CITY OF PHILADELPHIA
REBUILD | CAPITAL PROGRAM OFFICE

MAYOR - CHERELLE L. PARKER
MANAGING DIRECTOR - ADAM THIEL
DIRECTOR - CAPITAL PROGRAM OFFICE - APARNA PALANTINO
DIRECTOR - FREE LIBRARY OF PHILADELPHIA - KELLY RICHARDS
COMMISSIONER - DEPARTMENT OF PARKS & RECREATION - SUSAN SLAWSON

McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

PROJECT NO. 52025E-06-01

BID SET

CONSTRUCTION DOCUMENTS

SMPARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, Pennsylvania 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

LOCATION PLAN

PROJECT LOCATION:
McPHERSON SQUARE LIBRARY BRANCH
601 E INDIANA AVE, PHILADELPHIA, PA 19134-3042

OWNER: CITY OF PHILADELPHIA
OPA ACCOUNT #: 786225300
L&I BUILDING ID #: 1035730

ALTERNATES:

1. REPLACEMENT OF EXISTING SITE BENCHES OUTSIDE OF PROJECT LIMIT LINES.
2. REPLACEMENT OF EXISTING SITE TRASH RECEPTACLES OUTSIDE OF PROJECT LIMIT LINES.
3. REMOVAL AND PRUNING OF EXISTING SITE TREES OUTSIDE OF PROJECT LIMIT LINES.
4. (NOT USED)
5. PLAYGROUND SHADE STRUCTURE.
6. REPLACEMENT OF HARDSCAPE AT MIDWAY OF MAIN PATH TO KENSINGTON, FULL LENGTH OF PATH TO THE CORNER OF CLEARFIELD AND F STREETS, PORTIONS OF CIRCULAR PATH, AND TREE DISCONNECTS (SEE L100).

DRAWING LIST

GENERAL	
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A0.2	BUILDING CODE SUMMARY & LIFE SAFETY PLANS
CIVIL	
C1.0	EXISTING SITE PLAN
C2.0	DEMOLITION PLAN
C3.0	PROPOSED SITE PLAN
C4.0	PROPOSED GRADING PLAN
C5.0	PROPOSED UTILITY PLAN
C5.1	PROPOSED SMP SECTION PLAN
C6.0	EROSION AND SEDIMENT CONTROL PLAN
C6.1	EROSION AND SEDIMENT CONTROL DETAILS
C6.2	EROSION AND SEDIMENT CONTROL NOTES
C7.0	CONSTRUCTION DETAILS
C7.1	CONSTRUCTION DETAILS
C8.0	UTILITY DETAILS
C8.1	UTILITY DETAILS
C8.2	UTILITY DETAILS
C8.3	UTILITY DETAILS
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L200	MATERIALS PLAN
L300	JOINTING PLAN
L400	LAYOUT PLAN_OVERALL
L401	LAYOUT PLAN_ENLARGEMENT
L500	PLANTING PLAN
L600	SITE DETAILS
L601	SITE DETAILS
L602	SITE DETAILS
L603	PLANTING DETAILS
L604	ELEVATIONS
ARCHITECTURAL	
D2.1	DEMOLITION PLANS
D2.2	DEMOLITION DETAILS
D3.1	DEMOLITION ELEVATIONS
A2.1	PLANS
A3.1	ELEVATIONS
A3.2	BUILDING SECTIONS
A4.1	ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS
A5.1	INTERIOR ELEVATIONS
A5.2	INTERIOR ELEVATIONS
A5.3	INTERIOR ELEVATIONS
A5.4	INTERIOR ELEVATIONS
A5.5	INTERIOR ELEVATIONS
A6.1	REFLECTED CEILING PLANS
A7.1	ELEVATOR SHAFT PLANS & SECTIONS
A8.1	EXTERIOR STAIR & WALL SECTIONS
A8.2	ENLARGED RAMP PLAN, SECTIONS, & DETAILS
A9.1	DOOR SCHEDULE, TYPES, & DETAILS
A9.2	WINDOW TYPES & DETAILS
A9.3	PARTITION & STOREFRONT TYPES & DETAILS
A9.4	SIGNAGE DETAILS
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A10.2	FINISH SCHEDULE, FURNITURE SCHEDULE & CEILING DETAILS
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A11.3	CASEWORK DETAILS - CIRCULATION DESK
A11.4	CASEWORK DETAILS - CIRCULATION DESK AND PRINTING
A11.5	CASEWORK DETAILS - READING NOOKS AND SHELVING
A11.6	CASEWORK DETAILS - SMALL OFFICE AND LIBRARIAN SLIDING STORAGE
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S0.0	GENERAL NOTES
S0.1	STRUCTURAL LOADS & SCHEDULES
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S0.3	SPECIAL INSPECTIONS
S2.0	SITE RETAINING WALL PLAN
S2.1	FOUNDATION & FIRST FLOOR FRAMING PLANS
S2.2	ROOF FRAMING PLAN
S3.0	TYPICAL DETAILS
S3.1	TYPICAL DETAILS
S3.2	SECTIONS
S3.3	SECTIONS
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M3.0	MECHANICAL ENLARGED PLANS 1
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M3.2	MECHANICAL SECTION VIEWS
M4.0	MECHANICAL CONTROL DIAGRAMS
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M5.0	MECHANICAL DETAILS 1
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PD2.2	PLUMBING DEMOLITION PLANS - ENTRY LEVEL
PD2.3	PLUMBING DEMOLITION PLANS - ROOF
P2.0	PLUMBING SITE PLAN
P2.1	PLUMBING PLANS - LOWER LEVEL
P2.2	PLUMBING PLANS - ENTRY LEVEL
P2.3	PLUMBING PLANS - ROOF
P3.0	PLUMBING ENLARGED PLANS
P4.0	PLUMBING RISER DIAGRAMS
P4.1	PLUMBING RISER DIAGRAMS
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P5.1	PLUMBING DETAILS
P5.2	PLUMBING DETAILS
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E0.0	ELECTRICAL GENERAL NOTES & ABBREVIATIONS
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E2.0	ELECTRICAL SITE PLAN
E2.1	ELECTRICAL POWER PLANS - LOWER & ENTRY LEVEL
E2.2	ELECTRICAL POWER PLANS - POWER FOR MECHANICAL - LOWER AND ENTRY LEVEL
E2.3	ELECTRICAL POWER PLAN- POWER FOR MECHANICAL - SHADES - ENTRY LEVEL
E2.4	ELECTRICAL LIGHTING PLANS - LOWER & ENTRY LEVEL
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E5.3	ELECTRICAL DETAILS
E5.4	ELECTRICAL DETAILS
E5.5	ELECTRICAL DETAILS
E5.6	ELECTRICAL DETAILS
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FA2.1	FIRE ALARM PLANS - LOWER & ENTRY LEVEL
FA4.1	FIRE ALARM DIAGRAMS
FA4.2	FIRE ALARM DIAGRAMS
FA5.1	FIRE ALARM DETAILS
FA5.2	FIRE ALARM DETAILS
FA5.3	FIRE ALARM DETAILS
FA5.4	FIRE ALARM DETAILS
FA6.1	FIRE ALARM SCHEDULES
SPECIAL SYSTEMS	
SS0.0	SPECIAL SYSTEMS GENERAL NOTES, SYMBOLS & ABBREVIATIONS
SSD2.1	SPECIAL SYSTEMS DEMOLITION PLANS - LOWER & ENTRY LEVEL
SS2.0	SPECIAL SYSTEMS SITE PLAN
SS2.1	SPECIAL SYSTEMS PLANS - LOWER & ENTRY LEVEL
SS4.1	SPECIAL SYSTEMS DIAGRAMS
SS5.1	SPECIAL SYSTEMS DETAILS
SS5.2	SPECIAL SYSTEMS DETAILS
SS6.1	SPECIAL SYSTEMS SCHEDULES

PROJECT APPROVED

DIRECTOR | CAPITAL PROGRAM OFFICE

DIRECTOR | FREE LIBRARY OF PHILADELPHIA

COMMISSIONER | DEPARTMENT OF PARKS & RECREATION

PROJECT COORDINATOR | REBUILD

ART COMMISSION

HISTORICAL COMMISSION

SEALS

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT NO. 52025E-06-01	DRAWING NO. CS
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY MAC /JS / JGH / SCR	
CHECKED BY TW	FILE:

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED AS THEY MAY OCCUR ON THE SITE BEFORE PROCEEDING WITH THE WORK.

GENERAL HISTORIC TREATMENT NOTES:

1. THE PROJECT INVOLVES THE RENOVATION OF HISTORIC STRUCTURES AND SHALL BE TREATED RESPECTFULLY. EXISTING BUILDING ELEMENTS SHALL BE CAREFULLY HANDLED AND PROTECTED. NO EXISTING MATERIAL OR ELEMENT SHALL BE REMOVED OR ALTERED UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR DIRECTED BY THE ARCHITECT.

2. PRESERVATION OF THE HISTORIC STRUCTURE: THE WORK CONSISTS OF RESTORATION OF AN HISTORIC STRUCTURE LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES. EXERCISE EXTREME CARE IN ALL ASPECTS OF THE WORK TO CONSERVE, PRESERVE, AND PROTECT THE EXISTING STRUCTURE. DO NOT USE METHODS WHICH WILL RESULT IN UNNECESSARY LOSS OF DETAIL OR MATERIAL FROM THE EXISTING STRUCTURE. IF IN DOUBT, CONTACT THE ARCHITECT FOR ASSISTANCE.

3. THE WORK SHALL BE COMPLETED IN COMPLIANCE WITH THE UNITED STATES SECRETARY OF THE INTERIOR'S *STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES (REVISED 1995). STRICT* COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS IS REQUIRED TO ASSURE COMPLIANCE OF THE WORK WITH THESE STANDARDS.

4. CONTRACTOR IS TO MAINTAIN INDUSTRY STANDARD FOR STRUCTURAL STABILITY AND SAFETY. DO NOT SECURE SCAFFOLDING, PLATFORMS, LADDERS, MATERIALS OR EQUIPMENT TO THE EXISTING STRUCTURE PRIOR TO REVIEW AND APPROVAL BY THE ARCHITECT/STRUCTURAL ENGINEER.

5. THERE MAY BE CONCEALED BUILDING CONDITIONS THAT MAY REQUIRE COMMUNICATION BETWEEN CONTRACTOR AND ARCHITECT. IN THE INSTANCE WHERE SELECTIVE DEMOLITION OF EXTANT BUILDING ASSEMBLIES REVEALS PREVIOUSLY UNKNOWN CONSTRUCTIONS OF THE BUILDING OR DISCREPANCIES WITH THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL PLAN AND PROVIDE FOR TIMELY NOTIFICATION TO THE ARCHITECT AND OWNER WHEN MANDATORY OBSERVATION AREAS ARE UNCOVERED SO THAT WORK IS NOT DELAYED. DO NOT PROCEED WITH WORK UNTIL ARCHITECT AND OWNER OBSERVATION HAS BEEN PERFORMED AND FURTHER WORK IS APPROVED.

6. CONTRACTOR IS TO MAINTAIN INDUSTRY STANDARDS FOR FIRE HAZARDS AND FIRE PREVENTIONS. SMOKE WITHIN, ON OR NEAR THE STRUCTURE IS NOT PERMITTED. BURNING, CUTTING, WELDING, BRAZING, OR OPEN FLAMES WITHIN, OR ON, THE STRUCTURE IS NOT PERMITTED UNLESS NOTED OTHERWISE. POST AND MAINTAIN A FIRE-WATCH DURING SOLDERING WORK. MAINTAIN THE FIRE WATCH FOR A MINIMUM OF THREE HOURS AFTER CESSATION OF SOLDERING. DO NOT PERMIT STORAGE OF MATERIALS OR WASTE IN THE BUILDING. IMMEDIATELY REMOVE ALL WASTE FROM THE BUILDING AT THE END OF EACH WORK DAY. DO NOT STORE FLAMMABLE MATERIALS IN OR NEAR THE STRUCTURE.

7. MAINTAIN AN INDUSTRY STANDARD PROGRAM OF FIRE PREVENTION FOR DEMOLITION AND CONSTRUCTION OPERATIONS FOR THE DURATION OF WORK, INCLUDING APPROPRIATE FIRE EXTINGUISHERS IN COMPLIANCE WITH NFPA 241. PROVIDE FOR NOTIFICATION TO THE FIRE DEPARTMENT IN THE EVENT OF FIRE. MAINTAIN CLEAR ACCESS ON ROADS AND AROUND THE STRUCTURE AT ALL TIMES.

8. DISCREPANCIES BETWEEN EXISTING CONDITIONS AND/OR LAYOUT MAY APPEAR AS A RESULT OF CONTRACTOR-VERIFIED FIELD CONDITIONS. EXISTING CONDITIONS AS INDICATED IN THE DRAWINGS AND ACCOMPANYING SPECIFIED INSTALLATION ASSEMBLIES MAY REQUIRE ADAPTATION TO FIELD CONDITION AS VERIFIED. THE EXACT LOCATIONS, DISTANCES, LEVELS AND OTHER CONDITIONS THAT INFORM THE DESIGN INTENT WILL BE GOVERNED BY EXISTING CONSTRUCTION (VISIBLE OR CONCEALED) AND THE EXACT LOCATION OF EXISTING FEATURES. THE DRAWINGS AND DETAILS ARE TO BE USED FOR GUIDANCE IN SUCH REGARD.

9. IF DETRIMENTAL CONDITIONS APPEAR AS RESULT OF THE WORK, EXAMINE THE AREAS AND CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. NOTIFY THE ARCHITECT IF UNSOUND OR UNSAFE CONDITIONS ARE ENCOUNTERED/EXPOSED AND OBTAIN ARCHITECT DIRECTION. CORRECT CONDITIONS IN A TIMELY MANNER. DO NOT PROCEED UNTIL UNSOUND OR UNSAFE CONDITIONS ARE CORRECTED.

10. CONSTRUCT MOCKUPS AND SECURE APPROVAL OF MOCKUPS FROM THE ARCHITECT AND OWNER PRIOR TO PROCEEDING WITH PORTIONS OF THE WORK, AS DESCRIBED IN THE SPECIFICATIONS. DO NOT PROCEED WITH THE WORK IN OTHER AREAS UNTIL THE MOCKUPS HAVE BEEN ACCEPTED. SELECTED MOCKUPS MAY BE INCORPORATED INTO THE FINAL WORK ONLY AFTER APPROVAL BY ARCHITECT AND OWNER.

11. WHERE THE CONSTRUCTION DOCUMENTS NOTE POINTS DURING THE WORK AT WHICH THE OBSERVATION OF THE ARCHITECT AND OWNER IS REQUIRED BEFORE WORK MAY PROCEED, THE CONTRACTOR IS TO PLAN AND PROVIDE TIMELY NOTIFICATION TO THE ARCHITECT AND OWNER WHEN MANDATORY OBSERVATION POINTS WILL BECOME PART OF THE WORK AREA SO THAT WORK IS NOT DELAYED. DO NOT PROCEED WITH WORK UNTIL OBSERVATION IS COMPLETE AND FURTHER WORK HAS BEEN RELEASED BY THE ARCHITECT AND OWNER.

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS.

2. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO THE START OF CONSTRUCTION.

3. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, CODES AND ORDINANCES.

4. THE CONTRACTOR SHALL CONFIRM, LOCATE AND COORDINATE WORK WITH HIDDEN MECHANICAL, PLUMBING AND ELECTRICAL CONDITIONS.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING BUILDING, SITE AND EQUIPMENT DURING CONSTRUCTION, INCLUDING DAMAGE FROM THE ELEMENTS. THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE EXISTING BUILDING OR SITE DURING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE IMMEDIATELY AND TO THE SATISFACTION OF THE OWNER.

6. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS ON THE JOB SITE. IF EXISTING CONDITIONS DO NOT PERMIT INSTALLATION OF WORK IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, NOTIFY THE ARCHITECT AND PROVIDE A SKETCH OF THE CONDITION.

7. DIMENSIONS ARE TO FINISH FACE OF WALL UNLESS NOTED OTHERWISE.

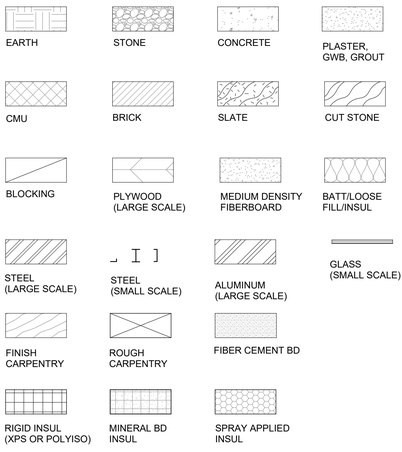
8. THE CONTRACTOR SHALL COORDINATE LOCATION AND SIZE OF ALL OPENINGS WITH ALL TRADES PRIOR TO INSTALLATION.

9. DETAILS SHOWN ARE INTENDED FOR SPECIFIC LOCATIONS AND CONDITIONS. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT SIMILAR CONDITIONS AND SHALL BE CONSIDERED PART OF THE WORK.

10. UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS AS BEING NIC, ALL ITEMS, MATERIALS, ETC. AND INSTALLATION OF SAME ARE A PART OF THE CONTRACT WORK.

11. THE GENERAL CONTRACTOR SHALL COORDINATE ALL SLEEVING WORK, UNO. COORDINATE LOCATION AND SIZE OF ALL OPENINGS, INTERIOR AND/OR EXTERIOR WITH ALL TRADES PRIOR TO INSTALLATION.

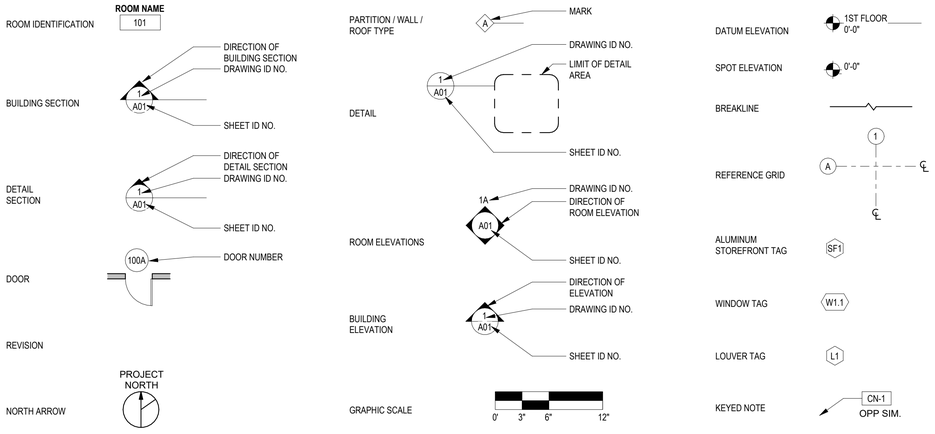
MATERIAL SYMBOLS:



ABBREVIATIONS:

A	
A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ABV	ABOVE
ACT	ACOUSTIC CEILING TILE
ADJ	ADJACENT/ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
ALCW	ALUMINUM CURTAINWALL
ALUM	ALUMINUM
ALSF	ALUMINUM STOREFRONT
ALW	ALUMINUM WINDOW
ANOD	ANODIZED
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
AL	ALIGN
B	
B&B	BOARD AND BATTEN
BCAB	BASE CABINET
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BLW	BELOW
B.O.	BOTTOM OF
BC	BROADLOOM CARPET
BM	BEAM
BRK	BRICK
BTW	BETWEEN
C	
CAB	CABINET
CB	CEMENTBOARD
CERT	CERTIFIED
CFMF	COLD FORMED METAL FRAMING
CJ	CONSTRUCTION/CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR/ CLEARANCE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPOSITE
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
COR	CORRUGATED
CPT	CARPET TILE
CT	CERAMIC TILE
CUH	CABINET UNIT HEATER
CW	CURTAIN WALL
D	
DEMO	DEMOLISH/DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWG(S)	DRAWING(S)
E	
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EP	ELECTRICAL PANEL
EPX	EPOXY
EQ	EQUAL
EQPM	EQUIPMENT
ES	EXPOSED STRUCTURE
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EXP	EXPOSED
EXG	EXISTING
EXT	EXTERIOR
F	
FA	FIRE ALARM
FCB	FIBER CEMENT BOARD
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FF	FACTORY FINISH
FFE	FINISHED FLOOR ELEVATION
FIN	FINISH(ED)
FLG	FLASHING
FLR	FLOOR(ING)
FND	FOUNDATION
F.O.	FACE OF
FP	FILLER PANEL
FT	FOOT (FEET)
FTG	FOOTING
FTR	FIN TUBE RADIATOR
G	
GA	GAUGE
GALV	GALVANIZED
GF	GROUND FACE
GLAZ	GLAZED, GLAZING, GLASS
GRG	GLASS REINFORCED GYPSUM
GWB	GYPSUM WALLBOARD
H	
HDPE	HIGH DENSITY POLYETHYLENE
HM	HOLLOW METAL
HOR	HORIZONTAL
HR	HOUR
HRWD	HARDWOOD
HSS	HOLLOW STEEL SECTION
HT	HEIGHT
HVAC	HEAVING/VENTILATION/AIR CONDITIONING
HWH	HOT WATER HEATER
I	
IGU	INSULATED GLAZING UNIT
INCL	INCLUDING/INCLUDED
INFO	INFORMATION
INSUL	INSULATED, INSULATION
INT	INTERIOR
J	
JT	JOINT
L	
LAM	LAMINATED
LF	LINEAR FEET
LG	LONG
LIN	LINOLEUM
LLV	LONG LEG VERTICAL
LTL	LINTEL
LT	LIGHT
LOUV	LOUVER
M	
MAS	MASONRY
MAS DIM	MASONRY DIMENSION
MATL	MATERIAL
MAX	MAXIMUIM
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
M.O.	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTL	METAL
MULL	MULLION
N	
N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
O	
OC	ON CENTER
OFE	OWNER FURNISHED EQUIPMENT
OH	OPPOSITE HAND
OPP	OPPOSITE
OPG	OPENING
OSB	ORIENTED STRAND BOARD
OTLN	OUTLINE
P	
PAC	PRECAST ARCHITECTURAL CONCRETE
PERF	PERFORATED
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNL	PANEL
PNLG	PANELING
PNT	PAINT(ED)
POL	POLISHED
PROJ	PROJECTION
P.T.	PRESSURE TREATED
PT	PORCELAIN TILE
PTN	PARTITION
PWD	PLYWOOD
PV	PIPE VENT
R	
RA	RETURN AIR
RAD	RADIUS
RB	RUBBER BASE
RBT	RUBBER STAIR TREAD
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFER; REFERENCE
REQ'D	REQUIRED
REV	REVISION, REVISE(D)
RSF	RESILIENT FLOORING
RT	RESILIENT TILE FLOORING
RM	ROOM
R.O.	ROUGH OPENING
RTF	RESILIENT RUBBER TILE FLOORING
RWC	RAINWATER CONDUCTOR
S	
S	SOUTH
SA	SUPPLY AIR
SBC	SINK BASE CABINET
SBO	SUPPLIED BY OTHERS
SFI	SPRAY FOAM INSULATION
SGT	STRUCTURAL GLAZED TILE
SIM	SIMILAR
SIP	STRUCTURAL INSULATED PANEL
SL	SLOPED/SLOPE
SOG	SLAB ON GRADE
SSTL	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STN	STAIN(ED)
STRUC	STRUCTURAL
SUSP	SUSPENDED
T	
TER	TERRAZZO
TF	TRANSPARENT FINISH
THK	THICKNESS
TLT	TOILET
TPTN	TOILET PARTITION
T.O.	TOP OF
TYP	TYPICAL
T&G	TONGUE AND GROOVE
U	
UNO	UNLESS NOTED OTHERWISE
V	
VAR	VARIES/VARIOUS
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
W	
W	WEST
W/	WITH
W/O	WITHOUT
WB	WALL BASE
WC	WATER CLOSET
WCAB	WALL CABINET
WD	WOOD
WDP	WOOD PANEL
WF	WIDE FLANGE
WIN	WINDOW
WOM	WALK OFF MAT
WSCT	WAINSCOT
X	
XPS	EXTRUDED POLYSTYRENE

REFERENCE SYMBOLS:



REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TODD WOODWARD No. RA405804

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

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CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A0.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AB / SCR	
CHECKED BY TW	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

CODE INFORMATION:

PROJECT:
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS
LOCATION: McPHERSON SQUARE, 601 E INDIANA AVE, PHILADELPHIA, PA 19134-3042
OPA ACCOUNT #: 786225300
L&I BUILDING ID #: 1035730
OWNER: CITY OF PHILADELPHIA
PROJECT COORDINATOR: PHILADELPHIA CAPITAL PROGRAM OFFICE (CPO); REBUILD PHILADELPHIA
PROJECT USERS: FREE LIBRARY OF PHILADELPHIA; PHILADELPHIA PARKS AND RECREATION

CODES REFERENCED:
PHILADELPHIA CODE, 2018, TITLE 14: ZONING AND PLANNING
PHILADELPHIA BUILDING CODE (IBC) 2018
PHILADELPHIA EXISTING BUILDING CODE (IEBC) 2018
PHILADELPHIA ACCESSIBILITY CODE (A117.1) 2009
REFER TO MEP DRAWINGS FOR ADDITIONAL CODES REFERENCED

PROJECT INFORMATION:
OCCUPANCY: ASSEMBLY GROUP A-3
CONSTRUCTION TYPE: TYPE III-B
STORIES ABOVE GRADE PLANE: 1
BASEMENTS: 1
BUILDING AREA:
ENTRY LEVEL: 4,930 SF
LOWER LEVEL: 4,930 SF
TOTAL: 9,860 SF
WORK AREA:
ENTRY LEVEL: 4,930 SF (100%)
LOWER LEVEL: 4,930 SF (100%)
TOTAL: 9,860 SF (100%)
ALTERATION LEVEL: LEVEL-3

ZONING SUMMARY:

PROJECT ADDRESS: McPHERSON SQUARE, 601 E INDIANA AVE, PHILADELPHIA, PA 19134-3042

REGULATIONS:
LAND AREA: 248,100 SF
BASE DISTRICT: SP-PO-A RECREATION
OVERLAY DISTRICTS: ACCESSORY SIGN CONTROLS; MIXED INCOME NEIGHBORHOOD OVERLAY DISTRICT; NARCOTICS INJECTION SITES OVERLAY DISTRICT

HISTORIC DESIGNATION: DISTRICT (NOT INDIVIDUALLY) LISTED
HISTORIC DISTRICT: CARNEGIE LIBRARY THEMATIC HISTORIC DISTRICT
DESIGNATION DATE: 7/9/2021

CODE SUMMARY (ALL REFERENCES TO IBC UNO):

CHAPTER 3: OCCUPANCY CLASSIFICATION & USE
ASSEMBLY GROUP A-3

CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS
GROUP A-3, NON-SPRINKLERED, TYPE III-B CONSTRUCTION
ALLOWABLE HT IN FT: 55' | ACTUAL: < 55' (NO CHANGE)
ALLOWABLE NUMBER OF STORIES: 2 | ACTUAL: 1 + B (NO CHANGE)
ALLOWABLE BUILDING AREA: 16,625 SF | ACTUAL: 4,930 SF (+ 4,930 SF BASEMENT) (NO CHANGE)
506.2.1: Aa = At + (NS x If) | Aa = 9,500 + (9,500 x .75)
506.1.3: BASEMENTS NEED NOT BE INCLUDED IN THE TOTAL ALLOWABLE FLOOR AREA OF A BUILDING PROVIDED THE TOTAL AREA OF SUCH BASEMENTS DOES NOT EXCEED THE AREA PERMITTED FOR A ONE-STORY ABOVE GRADE PLANE BUILDING.
506.3: If = [F/P - 0.25]W/30 | If = [382/382 - 0.25]30/30 | If = 0.75

CHAPTER 6: TYPE OF CONSTRUCTION
EXISTING BUILDING TYPE OF CONSTRUCTION: TYPE III-B, NS
FIRE-RESISTANT RATING REQUIREMENTS:
PRIMARY STRUCTURAL FRAME: 0HR
EXTERIOR / INTERIOR BEARING WALLS: 2HR / 0HR
NON-BEARING EXTERIOR WALLS: 0HR (TABLE 602)
NON-BEARING INTERIOR WALLS: 0HR
FLOOR CONSTRUCTION / ASSOCIATED MEMBERS: 0HR
ROOF CONSTRUCTION / ASSOCIATED MEMBERS: 0HR

CHAPTER 8: INTERIOR FINISHES
CLASS A MATERIALS: FLAME SPREAD INDEX 0-25; SMOKE DEVELOPED INDEX 0-450.
CLASS C MATERIALS: FLAME SPREAD INDEX 76-200; SMOKE DEVELOPED INDEX 0-450.
INTERIOR WALL AND CEILING FINISH REQUIREMENTS:
INTERIOR EXIT STAIRWAYS AND EXIT PASSAGEWAYS: CLASS A
CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS: CLASS A
ROOMS AND ENCLOSED SPACES: CLASS C

CHAPTER 9: FIRE PROTECTION AND LIFE SAFETY SYSTEMS
903.2.1.3 AUTOMATIC SPRINKLER SYSTEMS WHERE REQUIRED GROUP A-3:
1. THE FIRE AREA EXCEEDS 12,000SF
DOES NOT APPLY - FIRE AREA 9,860 SF.
2. THE FIRE AREA HAS AN OCCUPANT LOAD OF 300 OR MORE
DOES NOT APPLY - FIRE AREA OCCUPANT LOAD 258.
3. THE FIRE AREA IS LOCATED ON A FLOOR OTHER THAN A LEVEL OF EXIT DISCHARGE SERVING SUCH OCCUPANCIES
DOES NOT APPLY - EXTERIOR EGRESS STAIRS FROM LOWER LEVEL.
903.2.11.1 STORIES WITHOUT OPENINGS
DOES NOT APPLY TO LOWER LEVEL PER EXCEPTION 1: OPENINGS BELOW GRADE THAT LEAD DIRECTLY TO GROUND LEVEL BY AN EXTERIOR STAIRWAY (2).
903.2.11.1.3 BASEMENTS
DOES NOT APPLY TO LOWER LEVEL - ALL SPACES LOCATED WITHIN 75' OF OPENINGS REQUIRED BY SECTION 903.2.11.1.

CHAPTER 10: MEANS OF EGRESS
1004 OCCUPANT LOAD: SEE CHART BELOW
1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY
MAX OCC LOAD: 49 | MAX COMMON PATH OF TRAVEL: 75'
1006.3.2 MIN NUMBER OF EXITS OR ACCESS TO EXITS PER STORY: 2
1007.1.1 MIN SEPARATION BETWEEN EXITS: ONE-HALF MAX OVERALL DIAGONAL
1017.2 EXIT ACCESS TRAVEL DISTANCE: 200'
1020.1 CORRIDOR FIRE-RESISTANT RATING: 1HR; 1020.2 MIN WIDTH: 44"
1020.4 DEAD ENDS: DOES NOT APPLY - IEBC 805.6 DEAD-END CORRIDORS: 35' MAX

CHAPTER 12: INTERIOR ENVIRONMENT
1207 INTERIOR SPACE DIMENSIONS
MIN ROOM WIDTH: 7' MIN ANY DIMENSION, HABITABLE SPACES
MIN CEILING HEIGHTS: DOES NOT APPLY - IEBC 801.3, EXCEPTION 4: MIN CEILING HEIGHTS: 7'

OCCUPANT LOAD

OCCUPANCY CLASSIFICATION	ROOM NUMBER	ROOM NAME	AREA	FUNCTION (TABLE 1004.5)	SF/ OCCUPANT	OCCUPANT LOAD
BASEMENT LEVEL						
ASSEMBLY GROUP A-3	003	MEDIUM MEETING (CHILDREN'S LUNCH) ROOM	419 SF	Assembly without fixed seats - Unconcentrated (tables and chairs)	15 NET	28
ASSEMBLY GROUP A-3	004	STAFF LOUNGE	313 SF	Locker rooms	50 GROSS	7
ASSEMBLY GROUP A-3	006	OFFICE	158 SF	Business Areas	150 GROSS	2
ASSEMBLY GROUP A-3	008, 009, 010, 011, 012, 013, 014B	MECH / STORAGE SPACES (GROSS)	1367 SF	Accessory storage areas, mechanical equipment room	300 GROSS	5
ASSEMBLY GROUP A-3	014	LARGE MEETING ROOM	1752 SF	Assembly without fixed seats - Unconcentrated (tables and chairs)	15 NET	117
ASSEMBLY GROUP A-3	014A	FURN STORAGE	124 SF	Accessory storage areas, mechanical equipment room	300 GROSS	1
						160
LEVEL 1						
ASSEMBLY GROUP A-3	102, 104, 105, 107	READING ROOMS (COMBINED)	4018 SF	Library - Reading rooms	50 NET	81
ASSEMBLY GROUP A-3	108	STAFF WORKROOM	257 SF	Concentrated business use areas	50 GROSS	6
ASSEMBLY GROUP A-3	109	MEETING ROOM	121 SF	Assembly without fixed seats - Unconcentrated (tables and chairs)	15 NET	9
						96
TOTAL BUILDING OCCUPANT LOAD						256

CODE PLAN KEY

DOOR / CORRIDOR / STAIR CAPACITY

	TYPE	MARK
EXIT / STAIR / CORRIDOR WIDTH	EW	-
CODE WIDTH FACTOR	FC	0.2/0.3
ALLOWABLE CAPACITY	ALLOW	-
ACTUAL CAPACITY	ACTUAL	-

OCCUPANCY

OCCUPANCY CLASSIFICATION
EXTENT OF AREA (IF APPLICABLE)
ADMIN SUITE
B | 1200SF
8 OCC
SPACE NAME (IF APPLICABLE)
AREA
OCCUPANT COUNT

SYMBOLS

EXIT SIGN. SEE A6 SERIES FOR EXACT LOCATION AND DIRECTION.
FEC
FIRE EXTINGUISHER CABINET (SEMI-RECESSED, UNO)

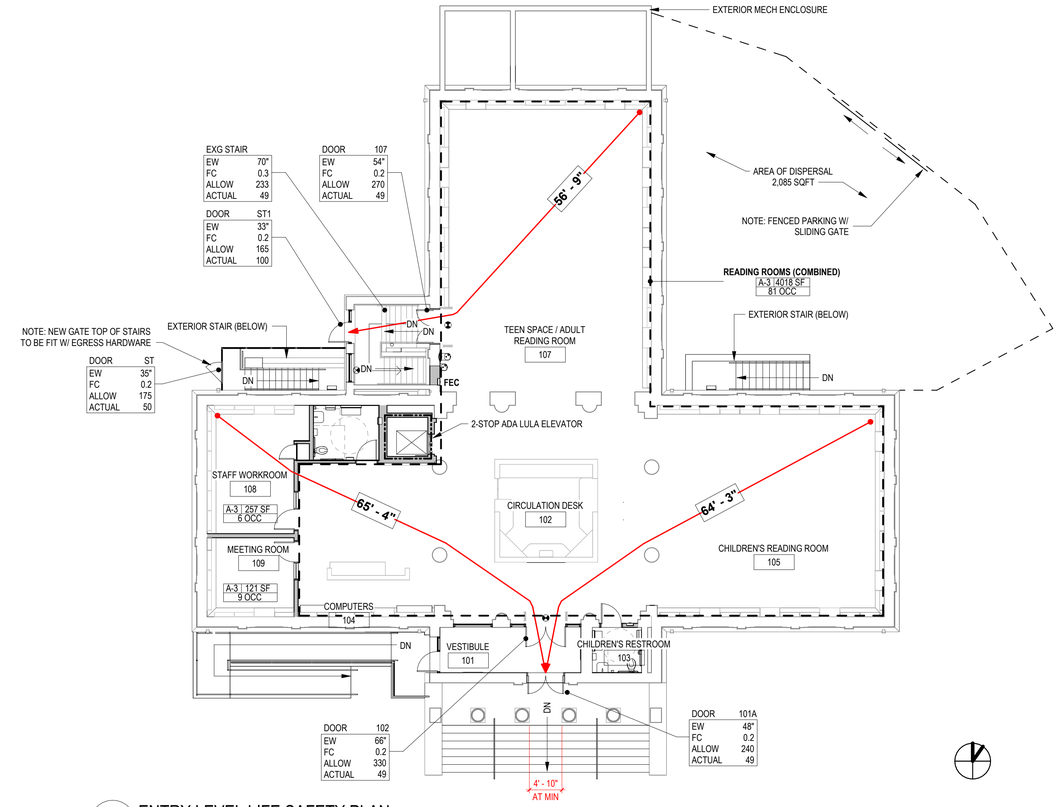
RATED WALLS

1 HOUR RATED
2 HOUR RATED

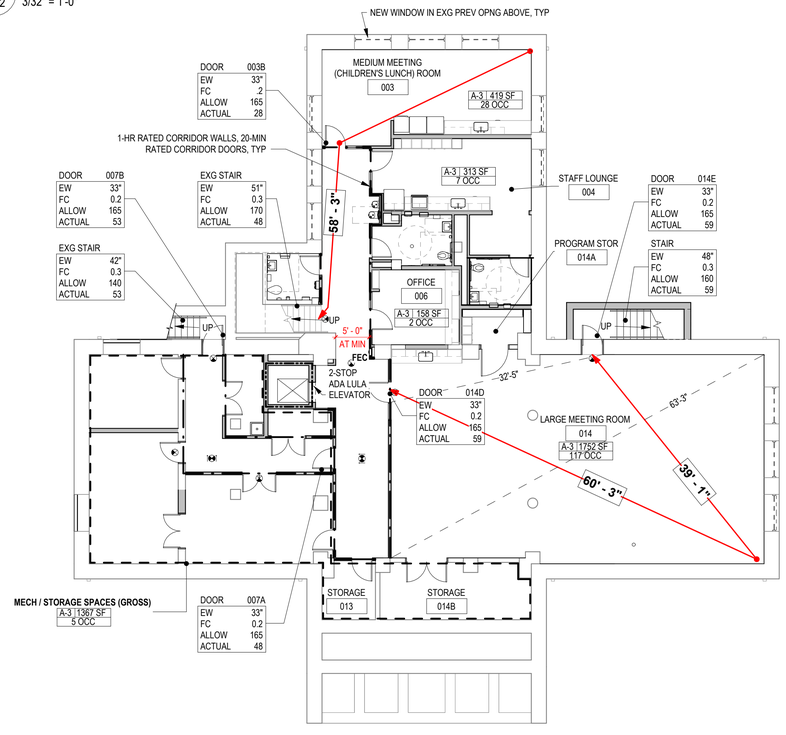
TRAVEL DISTANCE TO NEAREST EXIT

48'-6"
PATH OF TRAVEL
TRAVEL DISTANCE

PLAN EXAMINER STAMP AREA:



2 A0.2 ENTRY LEVEL LIFE SAFETY PLAN
3/32" = 1'-0"



1 A0.2 LOWER LEVEL LIFE SAFETY PLAN
3/32" = 1'-0"

REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
BUILDING CODE SUMMARY & LIFE SAFETY PLANS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A0.2
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AB / SCR	
CHECKED BY TW	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

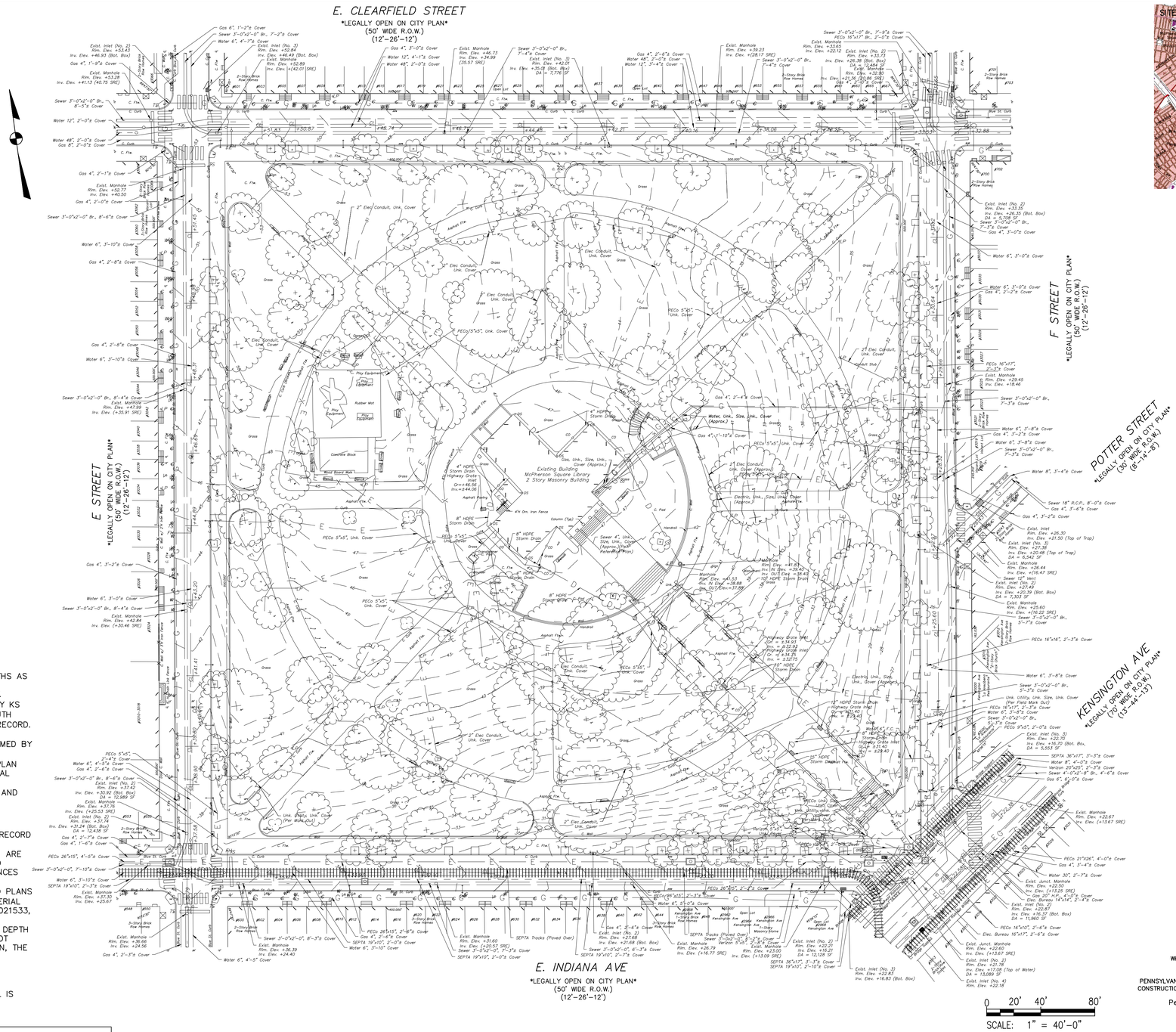
EXISTING LEGEND

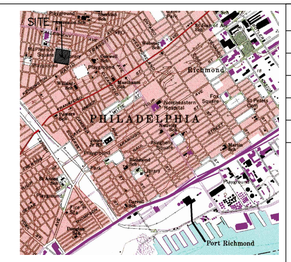
- PROPERTY LINES
- 101 CONTOUR LINE
- G GAS LINE
- POTABLE WATER
- SEWER (COMBINED)
- S S S SANITARY SEWER
- D D D STORM DRAIN
- T TELECOM CONDUIT
- E ELETRIC CONDUIT
- SEPTA UTILITY
- X X X CHAIN LINK FENCE
- CURB
- (U) UNKNOWN MANHOLE
- (T) TELEPHONE MANHOLE
- (S) SANITARY MANHOLE
- (W) WATER MANHOLE
- WV WATER VALVE
- FAI FRESH AIR INLET
- FH FIRE HYDRANT
- UTILITY POLE/STREET LIGHT
- LP LIGHTPOLE
- INLET
- AREA DRAIN
- TS SIGN
- TREE

GENERAL NOTES:

1. PROPERTY DIMENSIONS ARE PER DEEDS OF RECORD AND STREET WIDTHS AS PER CITY PLAN NO. 18 AND ARE SHOWN IN PHILADELPHIA DISTRICT STANDARD. ALL OTHER DIMENSIONS ARE SHOWN IN U.S. SURVEY FEET.
2. SURVEY INFORMATION OBTAINED FROM A FIELD SURVEY PERFORMED BY KS ENGINEERS, PC ON 04/16/2025. SURVEY BASED ON P.A.S.P.C.S. (SOUTH ZONE) NAD83. BEARINGS SHOWN ARE PER CITY PLAN AND DEED OF RECORD. ELEVATIONS ARE REFERENCED TO CITY VERTICAL DATUM.
3. EXISTING SITE CONDITIONS ARE BASED ON PLAN AND SURVEY PERFORMED BY RODRIGUEZ CONSULTING, LLC ON 02/19/2020. SURVEY BASED ON P.A.S.P.C.S. (SOUTH ZONE) NAD83. BEARINGS SHOWN ARE PER CITY PLAN AND DEED OF RECORD. ELEVATIONS ARE REFERENCED TO CITY VERTICAL DATUM.
4. EXISTING SITE CONDITIONS AND PROPERTY LINE ARE BASED ON PLAN AND SURVEY BY OTHERS:
   PLAN REFERENCE:
   #1 – PWD GSI PROJECT #50120, RECEIVED 11/26/2019
5. SUBJECT TO ALL RESTRICTIONS, EASEMENTS AND/OR COVENANTS OF RECORD EITHER WRITTEN OR IMPLIED THAT MAY NOT APPEAR OF THIS PLAN.
6. IF BUILDINGS ARE ON THIS PLAN, BUILDING OFFSET DISTANCES SHOWN ARE FOR THE PURPOSE OF CHECKING COMPLIANCE WITH ZONING AND DEED RESTRICTIONS ONLY. NO LIABILITY WILL BE ACCEPTED IF THESE DISTANCES ARE USED FOR ANY OTHER PURPOSES.
7. UNDERGROUND UTILITIES AS SHOWN TAKEN FROM FIELD EVIDENCE AND PLANS AS PROVIDED BY THE VARIOUS UTILITY AUTHORITIES (PA ONE CALL SERIAL NO. 20260021499, 20260021500, 20260021531, 20260021532, 20260021533, 20260021568, 20260021569, 20260021579, 20260021580, AND 20260021581). THE ACCURACY REGARDING UTILITY LOCATION AND/OR DEPTH CANNOT BE GUARANTEED AND ADDITIONAL UNDERGROUND UTILITIES NOT DEPICTED ON THIS PLAN MAY EXIST. BEFORE EXCAVATIONS ARE BEGUN, THE PENNSYLVANIA ONE CALL SYSTEM AT 1-800-242-1776 SHALL BE CONTACTED AT LEAST 3-10 DAYS PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR EXCAVATION ACTIVITIES IN ACCORDANCE WITH ALL APPLICABLE LAWS, RULES AND REGULATIONS.
8. INFORMATION PERTAINING TO LOTS OTHER THAN THE SUBJECT PARCEL IS SHOWN FOR INFORMATIONAL PURPOSES ONLY.
9. PROJECT SITE IS LOCATED WITHIN THE SP-PO-A DISTRICT.

PLAN EXAMINER STAMP AREA:





VICINITY MAP
SCALE: NTS

0 20' 40' 80'
SCALE: 1" = 40'-0"

PROTECT YOURSELF

PENNSYLVANIA UNDER GROUND LOCATION
1-800-242-1776
STOP CALL BEFORE YOU DIG!

WHAT YOU DON'T KNOW CAN HURT YOU.

CALL BEFORE YOU DIGI
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE & 10 WORKING DAYS IN DESIGN STAGE

Pennsylvania One Call System, Inc.
1-800-242-1776

PWD TRACKING No.

FY26-MCPH-8223-01

ACT 187

IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PENNSYLVANIA ACT 187 AND TO CONTACT THE "ONE CALL SYSTEM" THREE (3) WORKING DAYS (UNLESS OTHERWISE NOTED) PRIOR TO START OF CONSTRUCTION.

PENNSYLVANIA ONE CALL: 1-800-242-1776

PHILADELPHIA WATER DEPARTMENT
1101 MARKET STREET, 2nd FLOOR
PHILADELPHIA, PENNSYLVANIA
(215) 685-6270

PHILADELPHIA GAS WORKS
800 W. MONTGOMERY AVENUE, 3RD FLOOR
PHILADELPHIA, PENNSYLVANIA 19122
(215) 684-6796

PECO-CONSTRUCTION DEPARTMENT
2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19103
(215) 731-3264

VERIZON
900 RACE STREET
PHILADELPHIA, PENNSYLVANIA 19107
(215) 351-8947

COMCAST
1351 S. COLUMBUS BOULEVARD
PHILADELPHIA, PENNSYLVANIA 19147
(215) 952-4935

REVISIONS

ISSUE	DATE	REVISIONS
1	3/25/2026	REVISED PER PWD AND PADEP COMMENTS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH
PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
RICHARD S. BURRELL, JR.
ENGINEER
No. PE037818

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

EXISTING SITE PLAN

PROJECT NO. (CITY / KSE) 52025-E-06-01 | 2277-06	DRAWING NO. C1.0
DATE 04.08.2026	
SCALE AS NOTED	
DRAWN BY CMC	
CHECKED BY RSB	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

EXISTING LEGEND

- PROPERTY LINES
- CONTOUR LINE
- GAS LINE
- POTABLE WATER
- SEWER (COMBINED)
- SANITARY SEWER
- STORM DRAIN
- TELECOM CONDUIT
- ELETRIC CONDUIT
- SEPTA UTILITY
- CHAIN LINK FENCE
- CURB
- UNKNOWN MANHOLE
- TELEPHONE MANHOLE
- SANITARY MANHOLE
- WATER MANHOLE
- WATER VALVE
- FRESH AIR INLET
- FIRE HYDRANT
- UTILITY POLE/STREET LIGHT
- LIGHTPOLE
- INLET
- AREA DRAIN
- SIGN
- TREE

DEMOLITION LEGEND

- FEATURE TO BE REMOVED
- FEATURE TO BE ABANDONED
- LIMIT OF DISTURBANCE (LOD) / PADEP SITE BOUNDARY
- ADD-ALT LIMIT OF DISTURBANCE/ PADEP SITE BOUNDARY
- EX. INLET/ AREA DRAIN TO BE REMOVED
- EX. TREE TO BE REMOVED

GENERAL NOTES:

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4. EXISTING SITE CONDITIONS AND PROPERTY LINE ARE BASED ON PLAN AND SURVEY BY OTHERS:
   PLAN REFERENCE:
   #1 – PWD GSI PROJECT #50120, RECEIVED 11/26/2019
5. SUBJECT TO ALL RESTRICTIONS, EASEMENTS AND/OR COVENANTS OF RECORD EITHER WRITTEN OR IMPLIED THAT MAY NOT APPEAR OF THIS PLAN.
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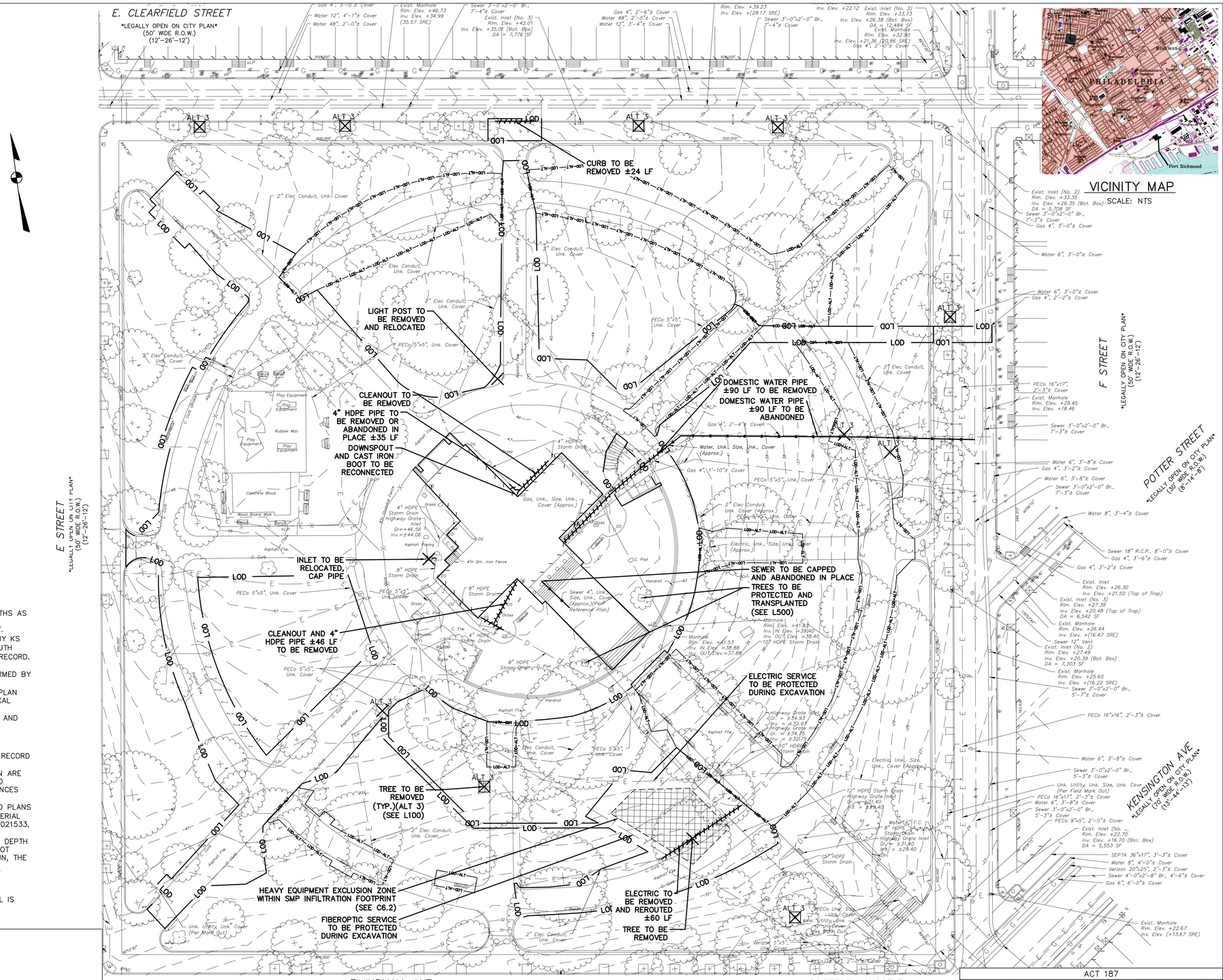
9. PROJECT SITE IS LOCATED WITHIN THE SP-PO-A DISTRICT.

PLAN EXAMINER STAMP AREA:



VICINITY MAP SCALE: NTS

LIMIT OF DISTURBANCE (LOD) SUMMARY		
ON-SITE	103,883 S.F.	2.38 ACRES
PUBLIC R.O.W.	1,030 S.F.	0.02 ACRES
TOTAL	104,913 S.F.	2.40 ACRES

PWD TRACKING No.

FY26-MCPH-8223-01

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Pennsylvania One Call System, Inc.
1-800-242-1776

REVISIONS

ISSUE	DATE	REVISIONS
1	3/25/2026	REVISED PER PWD AND PADEP COMMENTS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — RICHARD S. BURRELL, JR. — ENGINEER — NO. PE078158

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

DEMOLITION PLAN

ACT 187

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PHILADELPHIA WATER DEPARTMENT
1101 MARKET STREET, 2nd FLOOR
PHILADELPHIA, PENNSYLVANIA
(215) 685-6270

PHILADELPHIA GAS WORKS
800 W. MONTGOMERY AVENUE, 3RD FLOOR
PHILADELPHIA, PENNSYLVANIA 19122
(215) 684-6796

PECO-CONSTRUCTION DEPARTMENT
2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19103
(215) 731-3264

VERIZON
900 RACE STREET
PHILADELPHIA, PENNSYLVANIA 19107
(215) 351-8947

COMCAST
1351 S. COLUMBUS BOULEVARD
PHILADELPHIA, PENNSYLVANIA 19147
(215) 952-4935

PROJECT NO. (CITY / KSE) 52025-E-06-01 | 2277-06	DRAWING NO. C2.0
DATE 04.08.2026	
SCALE AS NOTED	
DRAWN BY CMC	
CHECKED BY RSB	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

EXISTING LEGEND

- PROPERTY LINES
- 101 CONTOUR LINE
- G GAS LINE
- POTABLE WATER
- SEWER (COMBINED)
- S S S SANITARY SEWER
- D D D STORM DRAIN
- T TELECOM CONDUIT
- E ELETRIC CONDUIT
- SEPTA UTILITY
- X X X CHAIN LINK FENCE
- CURB
- U UNKNOWN MANHOLE
- T TELEPHONE MANHOLE
- S SANITARY MANHOLE
- W WATER MANHOLE
- WV WATER VALVE
- FAI FRESH AIR INLET
- FH FIRE HYDRANT
- UTILITY POLE/STREET LIGHT
- LP LIGHTPOLE
- INLET
- AREA DRAIN
- TS SIGN
- TREE

PROPOSED LEGEND

- 150 PROPOSED CONTOUR
- STORM SEWER
- S S S SANITARY SEWER
- W DOMESTIC WATER SERVICE
- E E E ELECTRIC SERVICE
- LOD LOD LOD LOD LOD LIMIT OF DISTURBANCE (LOD) & PADEP SITE BOUNDARY
- LOD-ALT LOD-ALT LOD-ALT LOD-ALT LOD-ALT ADD-ALT LIMIT OF DISTURBANCE & PADEP SITE BOUNDARY
- INLET
- OBS WELL OBSERVATION WELL
- CO STORM DRAIN CLEANOUT
- SUBSURFACE INFILTRATION BASIN
- ASPHALT PAVING
- ASPHALT PAVING ADD-ALT
- CONCRETE PAVING
- PLAYGROUND SAFETY SURFACE
- MULCH AREA
- LAWN AREA
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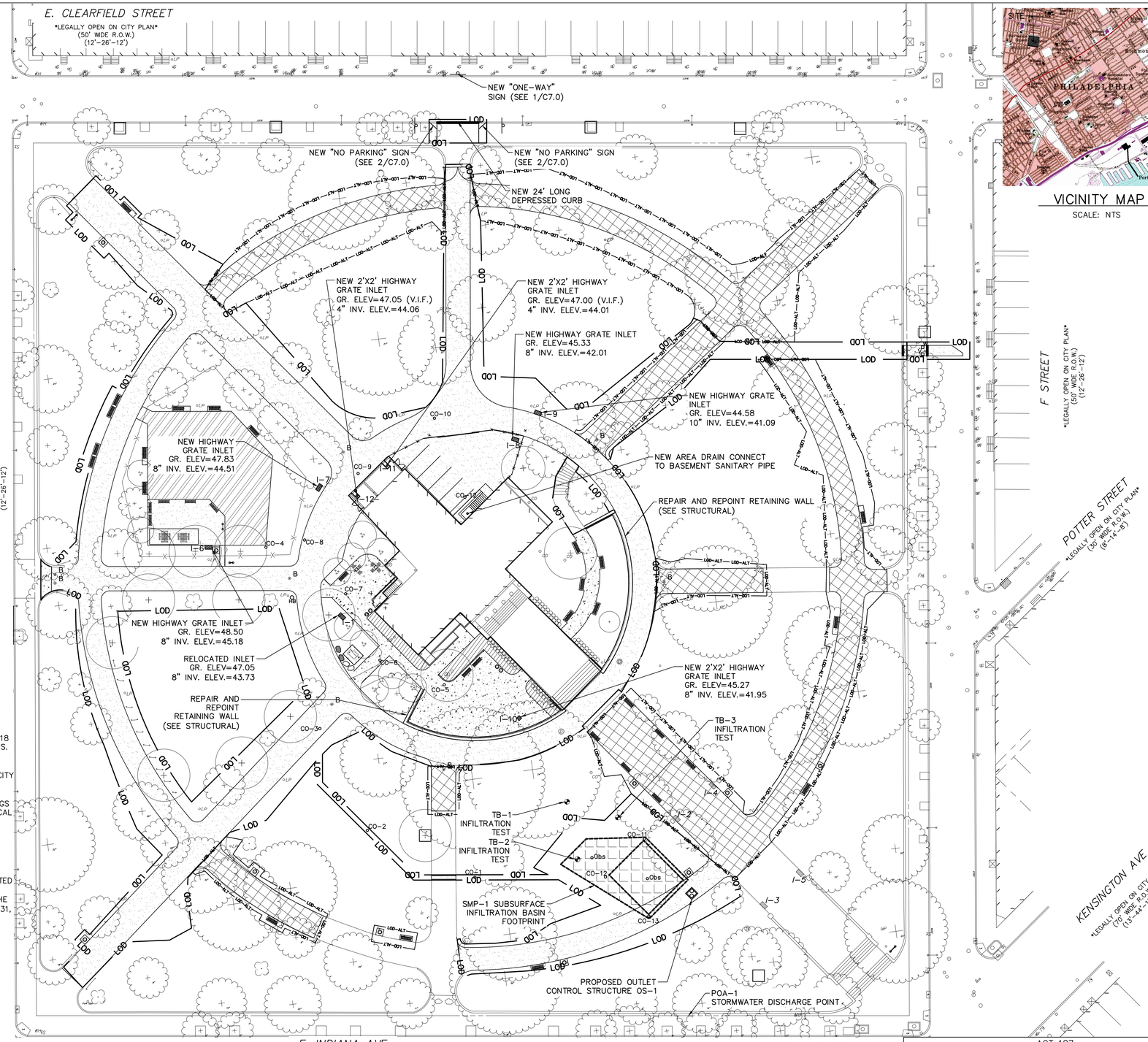
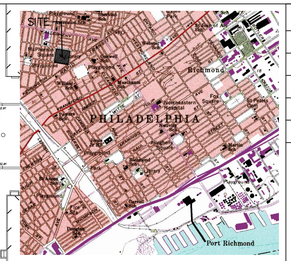
PLAN EXAMINER STAMP AREA:





VICINITY MAP
SCALE: NTS

PWD TRACKING No.

FY26-MCPH-8223-01

LIMIT OF DISTURBANCE (LOD) SUMMARY		
ON-SITE	103,883 S.F.	2.38 ACRES
PUBLIC R.O.W.	1,030 S.F.	0.02 ACRES
TOTAL	104,913 S.F.	2.40 ACRES

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Pennsylvania One Call System, Inc.
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PHILADELPHIA WATER DEPARTMENT
1101 MARKET STREET, 2nd FLOOR
PHILADELPHIA, PENNSYLVANIA
(215) 685-6270

VERIZON
900 RACE STREET
PHILADELPHIA, PENNSYLVANIA 19107
(215) 351-8947

PHILADELPHIA GAS WORKS
800 W. MONTGOMERY AVENUE, 3RD FLOOR
PHILADELPHIA, PENNSYLVANIA 19122
(215) 684-6796

COMCAST
1351 S. COLUMBUS BOULEVARD
PHILADELPHIA, PENNSYLVANIA 19147
(215) 952-4935

PECO-CONSTRUCTION DEPARTMENT
2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19103
(215) 731-3264

REVISIONS

ISSUE	DATE	REVISIONS
1	3/25/2026	REVISED PER PWD AND PADEP COMMENTS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL RICHARD S. BURRELL JR. ENGINEER No. PE078118

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
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215 985 4410

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Philadelphia, PA 19103
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215 625 0099

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215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
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215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
PCSM PROPOSED SITE PLAN

PROJECT NO. (CITY | KSE) 52025-E-06-01 | 2277-06	DRAWING NO. C3.0
DATE 04.08.2026	
SCALE AS NOTED	
DRAWN BY CMC	
CHECKED BY RSB	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

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- LIMIT OF DISTURBANCE (LOD) & PADEP SITE BOUNDARY
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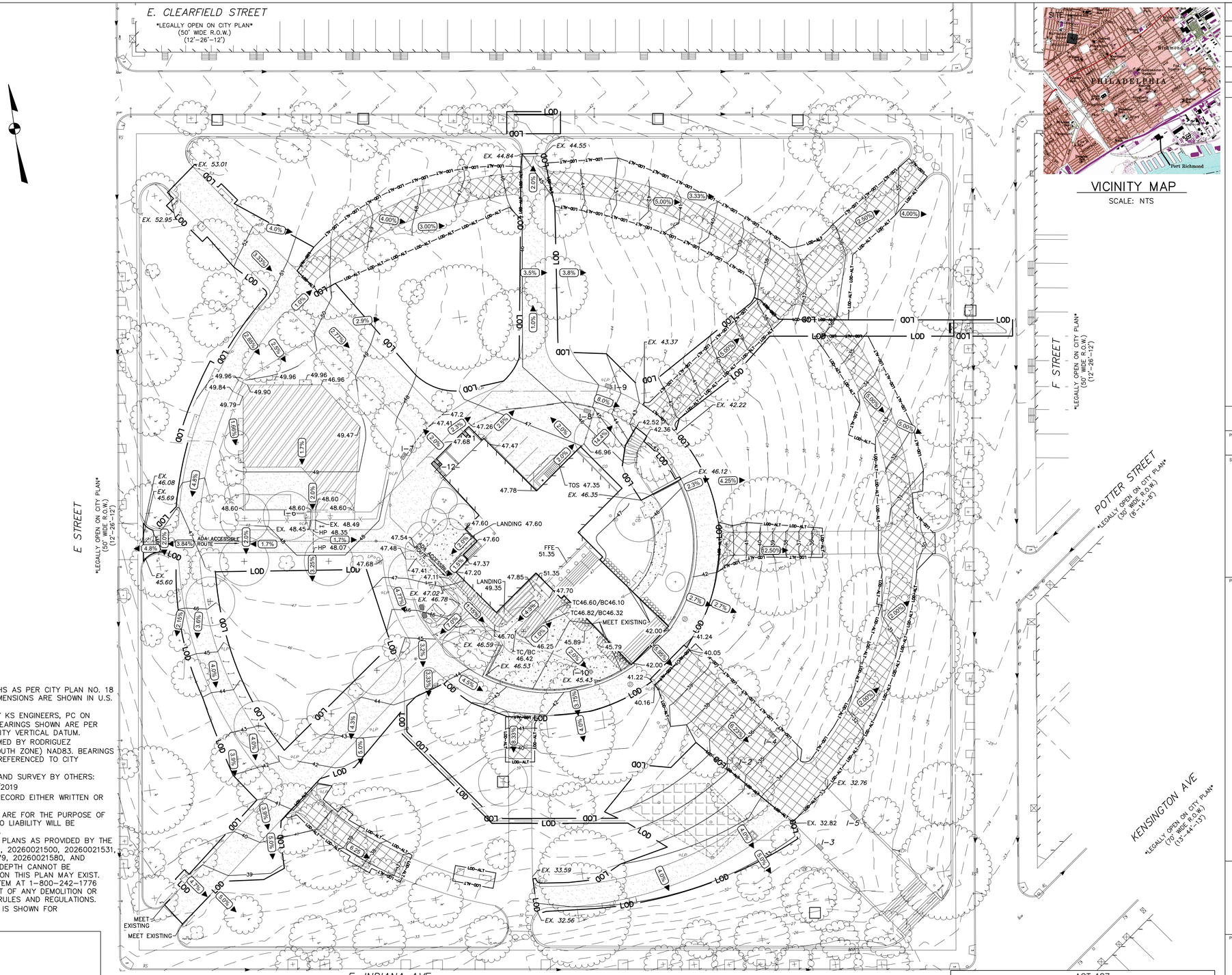

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0 15' 30' 60'
SCALE: 1" = 30'-0"

PWD TRACKING No.

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PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

PCSM - PROPOSED GRADING PLAN

PROJECT NO. (CITY / KSE)	DRAWING NO.
52025-E-06-01 | 2277-06	C4.0
DATE: 04.08.2026	
SCALE: AS NOTED	
DRAWN BY: CMC	
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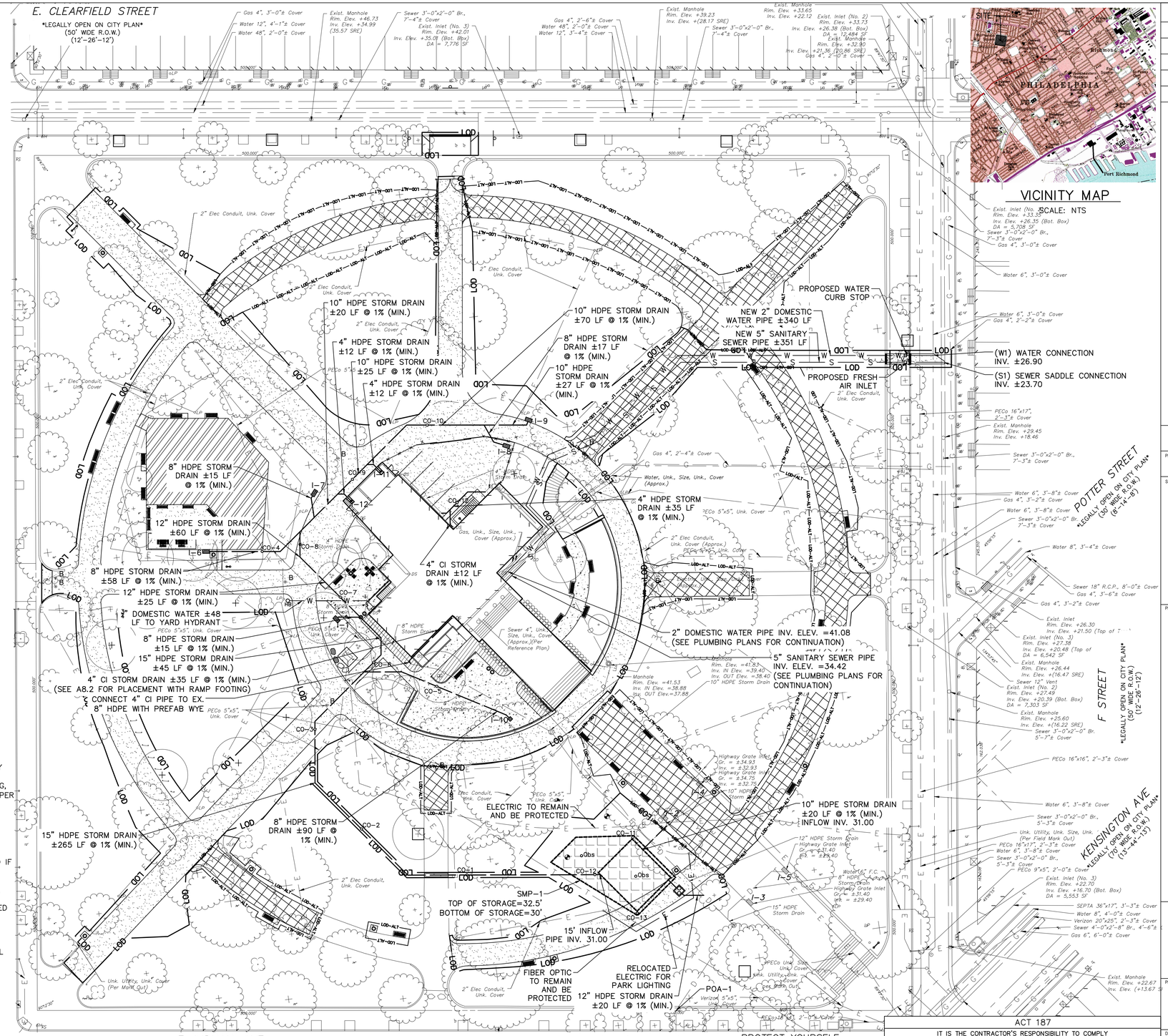

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TOTAL	104,913 S.F.	2.40 ACRES

UTILITY CONNECTIONS TABLE

ID	TYPE	SIZE	MATERIAL	CONNECTION METHOD	COMMENTS	PWD PUBLIC UTILITY
(W1)	DOMESTIC WATER	2"	K-COPPER	FERRULE CONNECTION	BACKFLOW PREVENTION REQUIRED	6" WATER MAIN
(S1)	SANITARY SEWER	5"	CAST IRON	SADDLE CONNECTION	–	3' X 2' BRICK COMBINED SEWER

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SMP-1 STAGE STORAGE TABLE				
LAYER	ELEVATION (FT)	VOID	INCREMENTAL VOLUME (CF)	ACCUMULATIVE VOLUME (CF)
BOTTOM OF STONE	30.00	40%		
TOP OF STONE	30.50	40%	388	388
BOTTOM OF MODULAR STORAGE	30.50	95%		
	31.00	95%	635	1,023
	31.50	95%	635	1,657
TOP OF MODULAR STORAGE	32.00	95%	635	2,292
BOTTOM OF STONE	32.00	40%		
TOP OF STONE	32.50	40%	388	2,680

SMP-1 ELEVATIONS	
TOP OF GRATE - OUTLET CONTROL STRUCTURE	33.68'
TOP OF WEIR ELEVATION	31.92'
WATER QUALITY VOLUME ELEVATION	31.84'

STORMWATER MANAGEMENT PLAN SUMMARY					
SYSTEM	TOTAL MANAGED IMPERVIOUS DRAINAGE AREA (SF)	STONE STORAGE FOOTPRINT (SF)	MODULAR STORAGE FOOTPRINT (SF)	LOADING RATIO	TYPE
1	18,018	1,820	896	1 : 9.9	SUBSURFACE INFILTRATION BASIN

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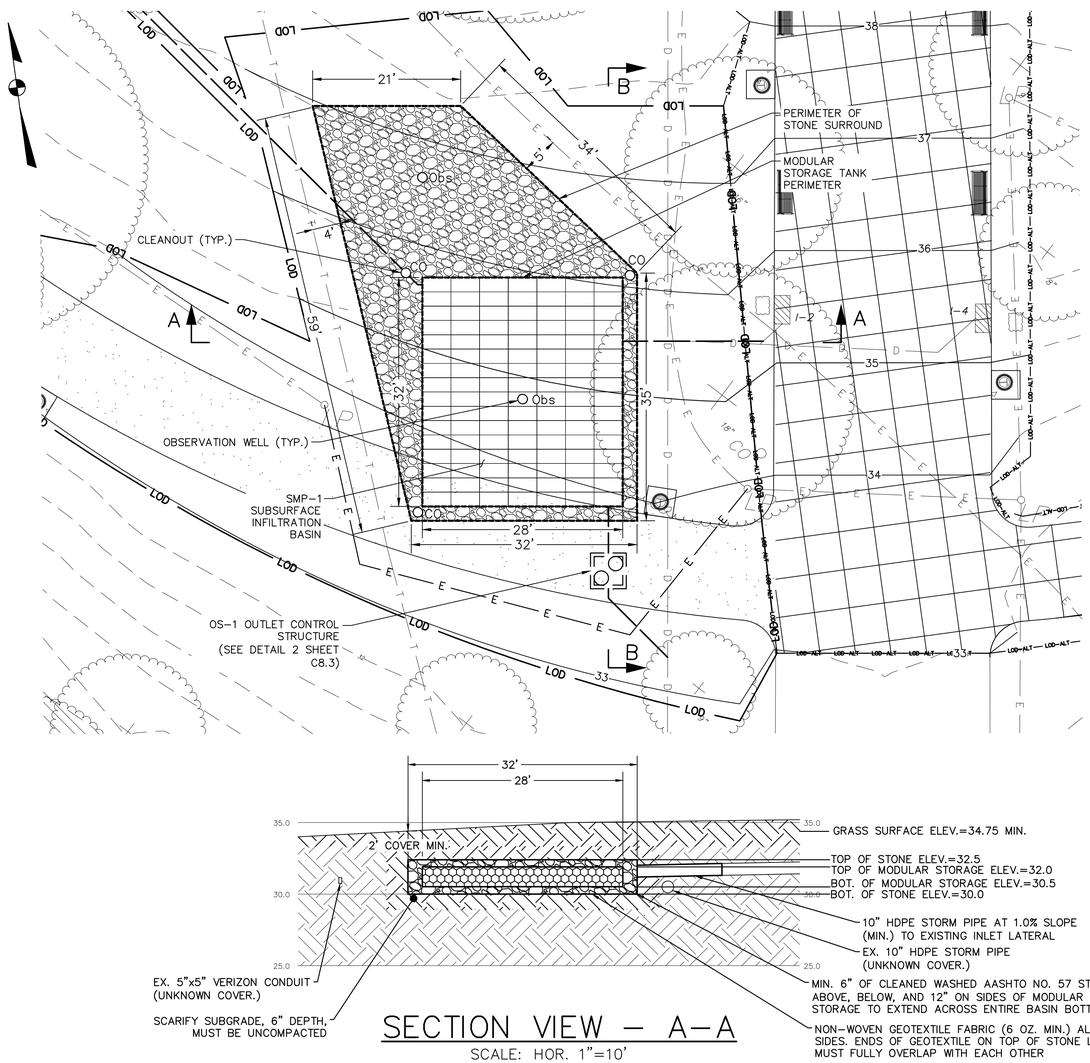
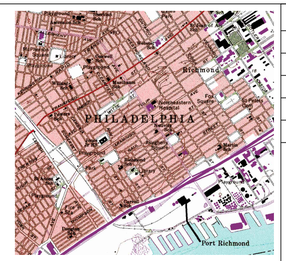
ON-SITE	103,883 S.F.	2.38 ACRES
PUBLIC R.O.W.	1,030 S.F.	0.02 ACRES
TOTAL	104,913 S.F.	2.40 ACRES

AREA TABLE	
	TOTAL
IMPERVIOUS AREA IN LOD	57,693 S.F.
DCIA	16,683 S.F.
DIC	37,067 S.F.
DIC EX TREE	2,543 S.F.
DIC PROP TREE	1,400 S.F.
MANAGED IMPERVIOUS TRADE AREA	2,562 S.F.
UNMANAGED IMPERVIOUS TRADE AREA	1,227 S.F.





VICINITY MAP

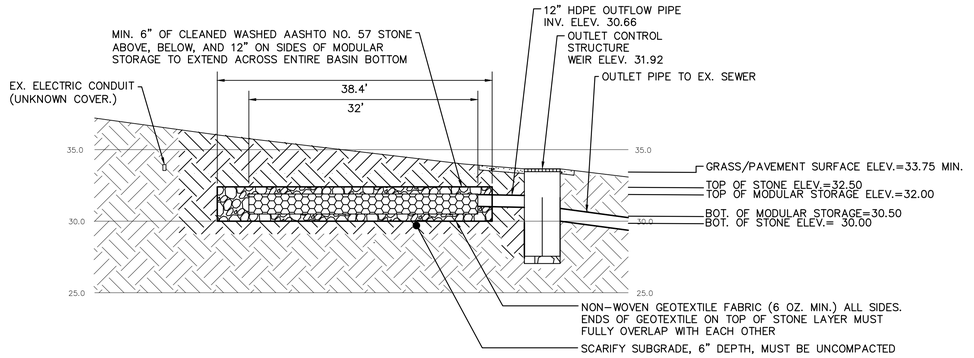
SCALE: NTS

SECTION VIEW - A-A

SCALE: HOR. 1"=10'
VER. 1"=5'

0 5' 10' 20'

SCALE: 1" = 10'-0"



SECTION VIEW - B-B

SCALE: HOR. 1"=10'
VER. 1"=5'

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NOTES:

1. GEOTEXTILE MUST CONSIST OF POLYPROPYLENE FIBERS AND MEET THE FOLLOWING SPECIFICATIONS (AASHTO CLASS 1 OR CLASS 2 GEOTEXTILE IS RECOMMENDED):
   a. GRAB TENSILE STRENGTH (ASTM-D4632): ≥120 LBS
   b. MULLEN BURST STRENGTH (ASTM-D3786): ≥225 PSI
   c. FLOW RATE (ASTM-D4491): ≥95 GAL/MIN/FT2
   d. UV RESISTANCE AFTER 500 HRS (ASTM-D4355): ≥70%
   e. HEAT-SET OR HEAT-CALENDARED FABRICS ARE NOT PERMITTED
2. STORAGE PIPES:
   a. PIPE USED WITHIN THE SUBSURFACE INFILTRATION SMP MUST BE CONTINUOUSLY PERFORATED AND HAVE A SMOOTH INTERIOR WITH A MINIMUM INNER DIAMETER OF FOUR INCHES.
   b. HIGH-DENSITY POLYETHYLENE (HDPE) PIPE MUST MEET THE SPECIFICATIONS OF AASHTO M252, TYPE S OR AASHTO M294, TYPE S.
   c. ANY PIPE MATERIALS OUTSIDE THE SMP ARE TO MEET CITY PLUMBING CODE STANDARDS.
3. STONE SHALL BE UNIFORMLY GRADED, CRUSHED, CLEAN-WASHED STONE. CLEAN-WASHED STONE IS DEFINED AS HAVING LESS THAN 0.5% WASH LOSS, BY MASS, WHEN TESTED PER THE AASHTO T-11 WASH LOSS TEST. AASHTO NO. 3 AND NO. 57 STONE CAN MEET THIS SPECIFICATION.

PLAN EXAMINER STAMP AREA:

ACT 187
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PHILADELPHIA, PENNSYLVANIA
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VERIZON
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PHILADELPHIA, PENNSYLVANIA 19107
(215) 351-8947

PHILADELPHIA GAS WORKS
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PHILADELPHIA, PENNSYLVANIA 19122
(215) 684-6796

COMCAST
1351 S. COLUMBUS BOULEVARD
PHILADELPHIA, PENNSYLVANIA 19147
(215) 952-4935

PECO-CONSTRUCTION DEPARTMENT
2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19103
(215) 731-3264

PWD TRACKING No.

FY26-MCPH-8223-01

REVISIONS		
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REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
RICHARD S. BURRELL, JR.
ENGINEER
No. PE078118

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
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Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
PCSM - PROPOSED SMP SECTION PLAN

PROJECT NO. (CITY | KSE) 52025-E-06-01 | 2277-06	DRAWING NO. C5.1
DATE 04.08.2026	
SCALE AS NOTED	
DRAWN BY CMC	
CHECKED BY RSB	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

EXISTING LEGEND

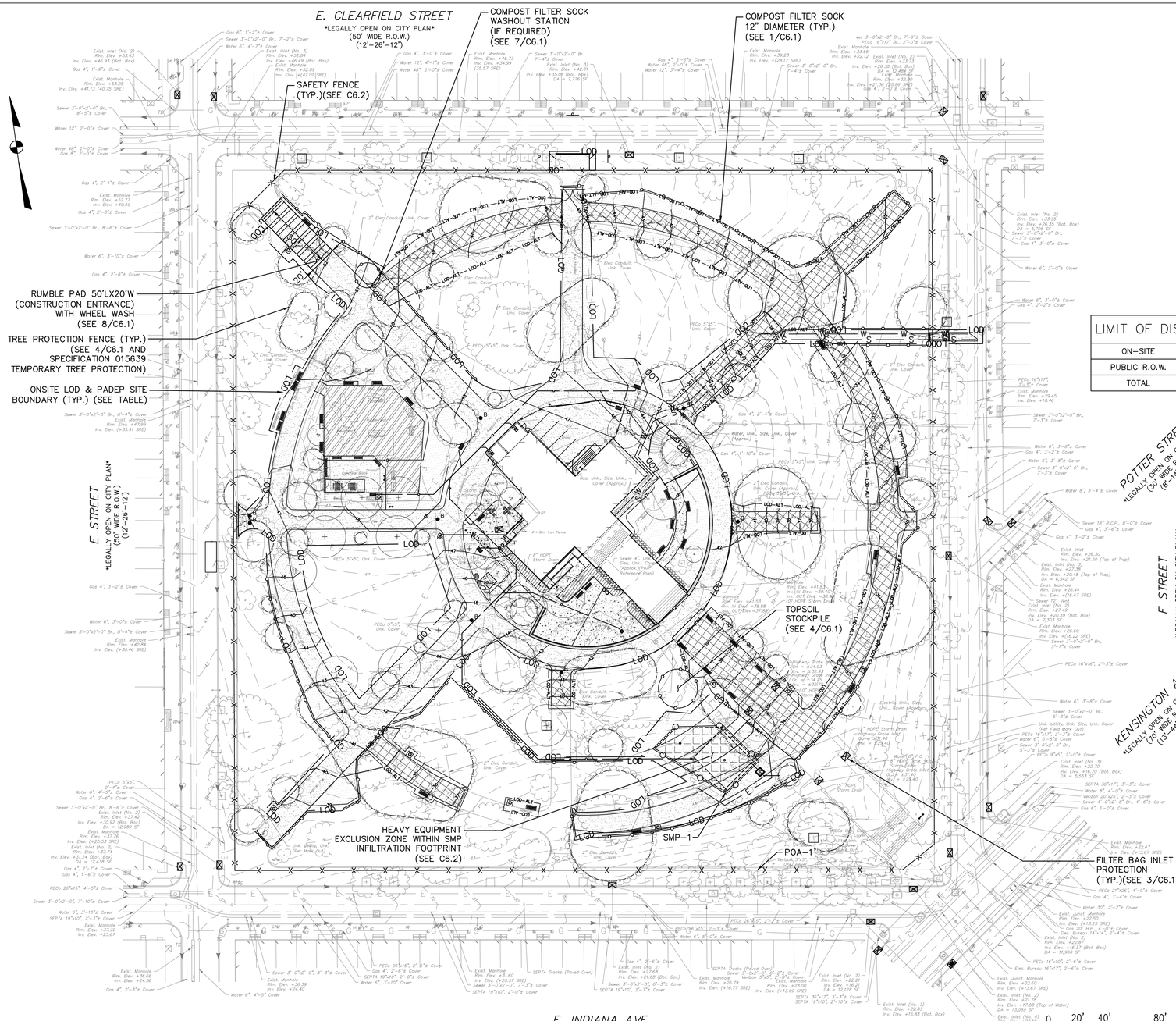
- PROPERTY LINES
- CONTOUR LINE
- GAS LINE
- POTABLE WATER
- SEWER (COMBINED)
- SANITARY SEWER
- STORM DRAIN
- TELECOM CONDUIT
- ELETRIC CONDUIT
- SEPTA UTILITY
- CHAIN LINK FENCE
- CURB
- UNKNOWN MANHOLE
- TELEPHONE MANHOLE
- SANITARY MANHOLE
- WATER MANHOLE
- WATER VALVE
- FRESH AIR INLET
- FIRE HYDRANT
- UTILITY POLE/STREET LIGHT
- LIGHTPOLE
- INLET
- AREA DRAIN
- SIGN
- TREE

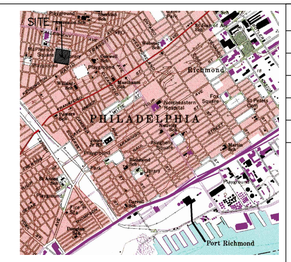
PROPOSED LEGEND

- PROPOSED CONTOUR
- STORM SEWER
- SANITARY SEWER
- DOMESTIC WATER SERVICE
- ELECTRIC SERVICE
- LIMIT OF DISTURBANCE (LOD) & PADEP SITE BOUNDARY
- ADD-ALT LIMIT OF DISTURBANCE & PADEP SITE BOUNDARY
- INLET
- OBSERVATION WELL
- STORM DRAIN CLEANOUT
- SUBSURFACE INFILTRATION BASIN
- ASPHALT PAVING
- ASPHALT PAVING ADD-ALT
- CONCRETE PAVING
- PLAYGROUND SAFETY SURFACE
- MULCH AREA
- LAWN AREA
- PROPOSED TREE

EROSION & SEDIMENT CONTROL LEGEND

- COMPOST FILTER SOCK, 12" DIAMETER
- SAFETY FENCE
- TREE PROTECTION FENCE
- DISTURBED AREA
- RUMBLE PAD CONSTRUCTION ENTRANCE
- FILTER BAG INLET PROTECTION





VICINITY MAP

DELAWARE DIRECT WATERSHED (SOUTH) MANAGEMENT DISTRICT A
SCALE N.T.S.

LIMIT OF DISTURBANCE (LOD) SUMMARY		
ON-SITE	103,883 S.F.	2.38 ACRES
PUBLIC R.O.W.	1,030 S.F.	0.02 ACRES
TOTAL	104,913 S.F.	2.40 ACRES

PWD TRACKING No.

FY26-MCPH-8223-01

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PLAN EXAMINER STAMP AREA:

EROSION AND SEDIMENT CONTROL (E&SC) NOTES:

1. EXISTING CONCRETE AND BITUMINOUS PAVING TO BE SAW-CUT ALONG LIMIT OF DISTURBANCE LINE WITH A CLEAN CUT LINE TO A SUFFICIENT DEPTH TO ALLOW THE REMOVAL OF PAVING WITHOUT DISTURBING THE EXISTING PAVING THAT IS TO REMAIN
2. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION AND SHALL SAFELY AND LEGALLY DISPOSE OF ALL THESE ITEMS IN ACCORDANCE WITH APPLICABLE LOCAL, FEDERAL, STATE AND REGULATORY AUTHORITY HAVING JURISDICTION. RECYCLING MUST BE DONE IN ACCORDANCE WITH APPLICABLE REGULATIONS. BURNING OF ANY DEMOLISHED MATERIALS ON-SITE SHALL NOT BE PERMITTED. RECYCLING OF DEMOLITION DEBRIS SHALL BE APPROVED BY THE OWNER. ALL EXISTING FILL TO BE REMOVED FROM SITE IN ACCORDANCE WITH THE PA DEP MANAGEMENT OF FILL POLICY AND REGULATIONS.
3. COMPOST FILTER SOCK ON PAVING TO BE WEIGHTED DOWN BY OBJECTS OF CONSIDERABLE MASS (SAND BAGS, CONCRETE BLOCK OR OTHER SUITABLE MATERIAL). COMPOST FILTER SOCK TO BE INSTALLED DOWNSTREAM OF ALL EARTH MOVING ACTIVITIES.
4. RUMBLE PAD CONSTRUCTION ENTRANCE TO BE SIZED IN ACCORDANCE WITH PA DEP MINIMUM REQUIREMENTS OF 50'L X 20'W AND BE INSTALLED IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS.
5. CONSTRUCTION, DEMOLITION AND EARTHWORK DUST CONTROL TO BE COMPLETED IN ACCORDANCE WITH THE CITY OF PHILADELPHIA DUST CONTROL REQUIREMENTS (AIR MANAGEMENT REGULATION (AMR) II. SECTION IX.) AND TO INCLUDE BUT NOT LIMITED TO:
   a. NOTIFY OCCUPANTS OF NEARBY PROPERTIES, IN WRITING 10 DAYS BEFORE ENGAGING IN EARTHWORK, CONSTRUCTION AND DEMOLITION ACTIVITIES.
   b. USE OF VACUUM OR SIMILAR SUCTION SYSTEMS TO CAPTURE DUST KICKED UP BY POWER TOOLS WHEN GRINDING OR CUTTING.
   c. APPLICATION OF WATER OR APPROVED DUST CONTROL SUPPRESSANT DURING EXCAVATION, DEMOLITION AND/OR CONSTRUCTION TO SUPPRESS DUST FORMATION.
   d. COVERING AND WETTING OF STOCKPILES EARTH, SAND, GRAVEL AND OTHER SIMILAR CONSTRUCTION MATERIALS.
   e. ALL PERIMETER FENCING MUST HAVE DUST CONTROL FABRIC AND MUST MEASURE A MINIMUM OF 5 FT IN HEIGHT FROM THE BOTTOM OF FENCING.
   f. 10 MILE PER HOUR SPEED LIMIT FOR ALL EQUIPMENT AND TRUCKS TRAVELING WITHIN THE WORK SITE.
   g. WETTING AND SWEEPING OF ROADWAYS / ACCESS ROAD IN A WORK SITE TO PREVENT DUST FORMATION.
6. PERMANENT INLET PROTECTION TO BE INSTALLED ON ALL INLETS THAT DRAIN TO THE UNDERGROUND STORMWATER MANAGEMENT SYSTEMS IN ACCORDANCE WITH THE SPECIFICATIONS.

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1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

EROSION AND SEDIMENT CONTROL PLAN

PROJECT NO. (CITY / KSE) 52025-E-06-01 | 2277-06	DRAWING NO. C6.0
DATE 04.08.2026	
SCALE AS NOTED	
DRAWN BY CMC	
CHECKED BY RSB	FILE

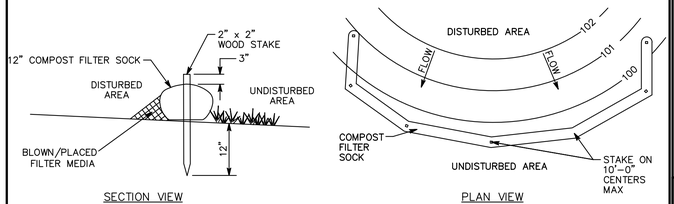
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

TABLE 4.1
Compost Sock Fabric Minimum Specifications

Material Type	3 mil HDPE	5 mil HDPE	5 mil HDPE	Multi-Filament Polypropylene (MFPP)	Heavy Duty Multi-Filament Polypropylene (HDMFPP)
Material Characteristics	Photo-degradable	Photo-degradable	Bio-degradable	Photo-degradable	Photo-degradable
Sock Diameters	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
Mesh Opening	3/8"	3/8"	3/8"	3/8"	1/8"
Tensile Strength		26 psi	26 psi	44 psi	202 psi
Ultraviolet Stability % Original Strength (ASTM G-155)	23% at 1000 hr.	23% at 1000 hr.		100% at 1000 hr.	100% at 1000 hr.
Minimum Functional Longevity	6 months	9 months	6 months	1 year	2 years
Two-ply systems					
Inner Containment Netting	HDPE biaxial net Continuously wound Fusion-welded junctures 3/4" X 3/4" Max. aperture size				
Outer Filtration Mesh	Composite Polypropylene Fabric (Woven layer and non-woven fleece mechanically fused via needle punch) 3/16" Max. aperture size				
Sock fabrics composed of burlap may be used on projects lasting 6 months or less.					

TABLE 4.2
Compost Standards

Organic Matter Content	80% - 100% (dry weight basis)
Organic Portion	Fibrous and elongated
pH	5.5 - 8.0
Moisture Content	35% - 55%
Particle Size	98% pass through 1" screen
Soluble Salt Concentration	5.0 dS/m (mmhos/cm) Maximum

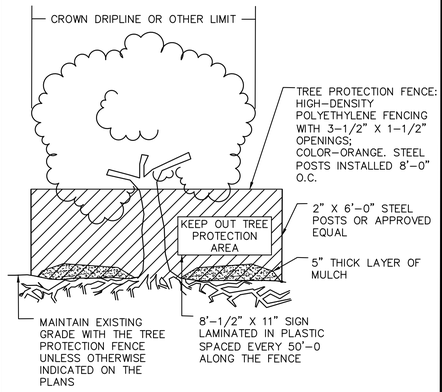


1. REMOVE DEPOSITS WHEN SEDIMENT ACCUMULATION IS ONE HALF THE HEIGHT OF THE EXPOSED COMPOST FILTER SOCK.
2. PLACE COMPOST FILTER SOCK ON LEVEL GRADE. EXTEND BOTH ENDS OF THE COMPOST FILTER SOCK AT LEAST 8'-0" UPSLOPE AT 45 DEGREES TO THE MAIN ALIGNMENT.
3. REPLACE BIODEGRADABLE FILTER SOCK AFTER 6 MONTHS; PHOTODEGRADABLE AFTER 12 MONTHS.
4. ALL DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.
5. CONTRACTOR SHALL PROVIDE SAND BAGS, CONCRETE BLOCKS, OR OTHER SUITABLE MATERIAL TO STABILIZE COMPOST FILTER SOCK ON PAVED AREAS AND PREVENT IT FROM MOVING OR SHIFTING.
6. STABILIZING DEVICES SHALL BE SPACED 10 FEET ON CENTER OR AS RECOMMENDED BY THE MANUFACTURER, WHICHEVER IS LESS.
7. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
8. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.

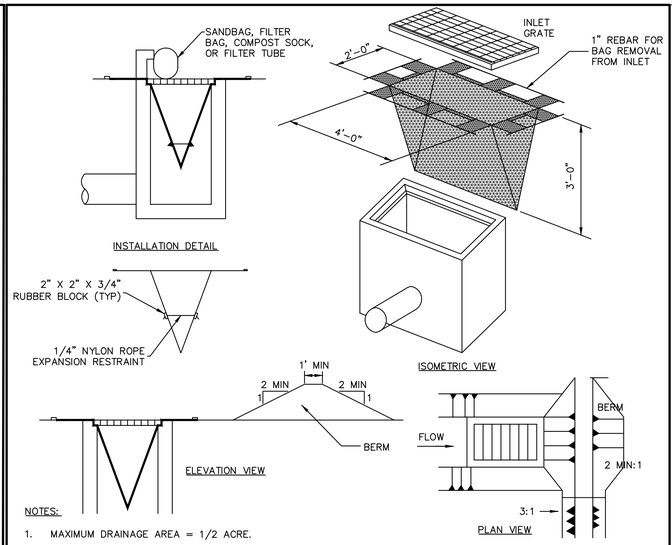
1 C6.1 COMPOST FILTER SOCK, 12" DIAMETER

NOTES:

1. SEE SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
2. IF THERE IS NO EXISTING IRRIGATION, SEE SPECIFICATIONS FOR WATERING REQUIREMENTS.
3. NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
4. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
5. SEE SITE PREPARATION PLAN FOR ANY MODIFICATIONS WITH THE TREE PROTECTION AREA.



2 C6.1 TREE PROTECTION DETAIL
SCALE: NTS



NOTES:

1. MAXIMUM DRAINAGE AREA = 1/2 ACRE.
2. INLET PROTECTION IS NOT REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS REQUIRED FOR ALL INSTALLATIONS.
3. EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR TO REMAIN PERMANENTLY.
4. DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS

3 C6.1 FILTER BAG INLET PROTECTION

TOPSOIL APPLICATION

Graded areas should be scarified or otherwise loosened to a depth of 3 to 5 inches to permit bonding of the topsoil to the surface areas and to provide a roughened surface to prevent topsoil from sliding down slope.

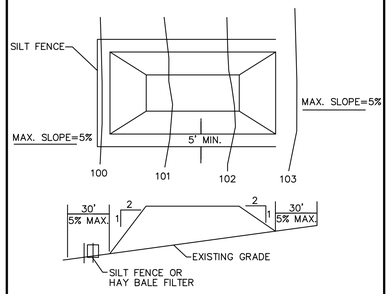
Topsoil should be uniformly distributed across the disturbed area to a depth of 4 to 8 inches minimum — 2 inches on fill outslopes. Spreading should be done in such a manner that sodding or seeding can proceed with a minimum of additional preparation or tillage. Irregularities in the surface resulting from topsoil placement should be corrected in order to prevent formation of depressions unless such depressions are part of the PCSM plan.

Topsoil should not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet, or in a condition that may otherwise be detrimental to proper grading and seedbed preparation. Compacted soils should be scarified 6 to 12 inches along contour wherever possible prior to seeding.

TABLE 11.1
Cubic Yards of Topsoil Required for Application to Various Depths

Depth (in)	Per 1,000 Square Feet	Per Acre
1	3.1	134
2	6.2	268
3	9.3	403
4	12.4	537
5	15.5	672
6	18.6	806
7	21.7	940
8	24.8	1,074

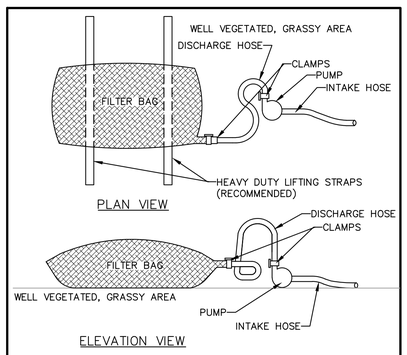
Adapted from VA DSWC



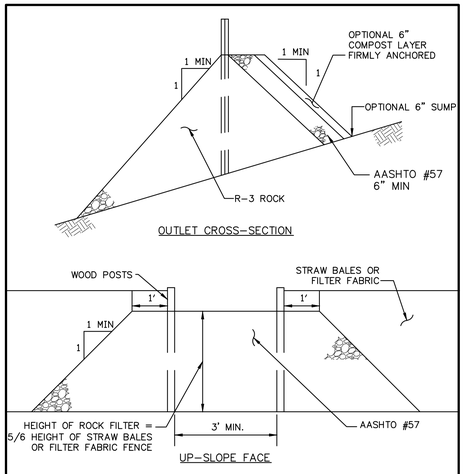
NOTES:

1. PLACE STOCKPILES AT LOCATIONS AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
2. ALL SIDE SLOPES SHALL BE 2 TO 1 OR FLATTER.
3. STOCKPILE SHALL RECEIVE A VEGETATIVE COVER IN ACCORDANCE WITH MINIMUM STABILIZATION REQUIRED.
4. SILT FENCE SHALL BE INSTALLED AS DETAILED HEREON.
5. STOCKPILE NOT TO EXCEED 20 FEET IN HEIGHT.

4 C6.1 TEMPORARY STOCKPILE



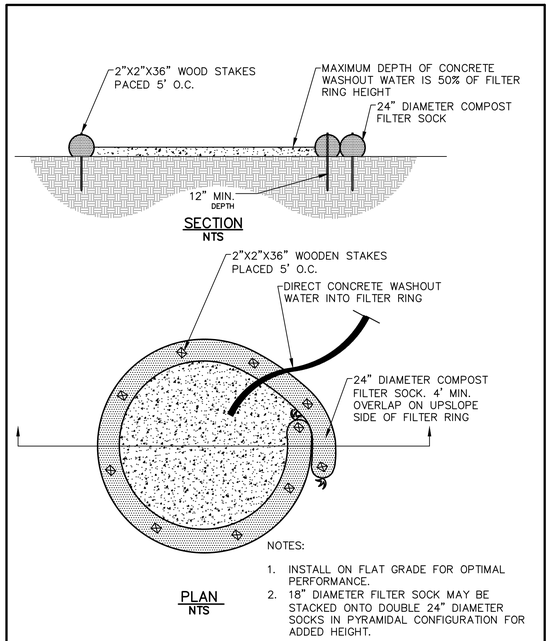
1 C6.1 PUMPED WATER FILTER BAG



Notes:

1. A rock filter outlet shall be installed where failure of a silt fence or straw barrier has occurred due to concentrated flow. Anchored compost layer shall be used on upslope face in HQ and EV watersheds.
2. Sediment must be removed when accumulations reach 1/3 the height of the outlet.

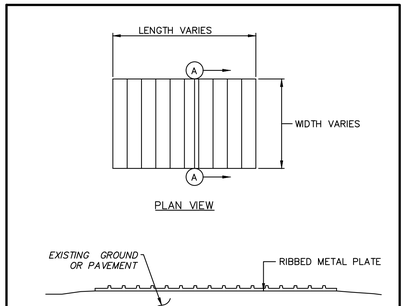
6 C6.1 ROCK FILTER OUTLET (IF REQUIRED)



NOTES:

1. INSTALL ON FLAT GRADE FOR OPTIMAL PERFORMANCE.
2. 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.

7 C6.1 COMPOST SOCK WASHOUT STATION



NOTES:

1. PRE-CONSTRUCTED RUMBLE PADS ARE TO BE USED IN LIEU OF ROCK CONSTRUCTION ENTRANCE. RUMBLE PAD SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND A SUFFICIENT NUMBER OF PADS SHALL BE INSTALLED TO PROVIDE FOR A MINIMUM OF FOUR (4) TIRE REVOLUTIONS WHILE ON THE PAD. MORE PADS MAY BE NEEDED DEPENDING ON SITE CONDITIONS. ACCUMULATED MATERIALS SHOULD BE CLEANED FROM THE PADS DAILY (MORE OFTEN IF NECESSARY) AND DISPOSED IN THE MANNER SPECIFIED BY THE PLAN.
2. MINIMUM SIZE 50'L X 20'W

8 C6.1 RUMBLE PAD (CONSTRUCTION ENTRANCE)

PLAN EXAMINER STAMP AREA:

PWD TRACKING No.

FY26-MCPH-8223-01

REVISIONS

ISSUE	DATE	REVISIONS
1	3/25/2026	REVISED PER PWD AND PADEP COMMENTS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL RICHARD S. BURRELL, JR. ENGINEER NO. PE078118

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

EROSION AND SEDIMENT CONTROL DETAILS

PROJECT NO. (CITY | KSE) 52025-E-06-01 | 2277-06	DRAWING NO. C6.1
DATE 04.08.2026	
SCALE AS NOTED	
DRAWN BY CMC	
CHECKED BY RSB	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

STANDARD EROSION AND SEDIMENT CONTROL NOTES:

1. AN INDUSTRIAL WASTE PERMIT WILL BE REQUIRED SHOULD PUMPING TO CITY–OWNED INFRASTRUCTURE BECOME NECESSARY DURING CONSTRUCTION. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
2. INLET PROTECTION SHOULD BE PROVIDED FOR ALL INLETS OWNED BY PWD THAT ARE LOCATED WITHIN ONE BLOCK OF THE PROJECT SITE.
3. PWD IS NOT RESPONSIBLE FOR ANY CLEANING OR REPAIRS NEEDED ON CITY–OWNED INFRASTRUCTURE DUE TO FAILURE OF ANY EROSION AND SEDIMENT CONTROL PRACTICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE FUNCTIONING IN ACCORDANCE WITH THE APPROVED PLANS.
4. INSPECTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL OCCUR ON A WEEKLY BASIS, BEFORE ANY ANTICIPATED PRECIPITATION EVENTS, AND AFTER ALL PRECIPITATION EVENTS.
5. THE MAXIMUM HEIGHT FOR STOCKPILES AREAS SHALL BE 20 FEET. THE MAXIMUM SIDE SLOPE FOR STOCKPILE AREAS SHALL NOT EXCEED 2:1.
6. THE ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED ON–SITE. A STOCKPILE SHALL BE MAINTAINED ON–SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
7. FILTER FABRIC FENCE SHOULD BE INSTALLED AT LEVEL GRADE. BOTH ENDS OF EACH FENCE SECTION SHOULD BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. SUPPORT STAKES SHALL BE SPACED AT A MAXIMUM OF 8 FEET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FILTER FENCE.
8. ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.
9. EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
10. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY PWD AND PA DEP.
11. UNTIL THE SITE IS STABILIZED, ALL E&S BMP'S SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL E&S BMP'S PRIOR TO ANY ANTICIPATED STORM EVENT, AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENETTING, MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS OF THOSE INSTALLED, WILL BE REQUIRED.
12. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING, AS WELL AS CUTS AND FILLS, SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. PWD SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. PWD MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
13. AT LEAST THREE (3) DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1–800–242–1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
14. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING BY PWD AND THE PA DEP PRIOR TO IMPLEMENTATION.
15. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL.
16. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING, AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OF THE PROJECT UNTIL THE E&S BMP'S SPECIFIED BY THE BMP'S SEQUENCE FOR THAT STAGE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
17. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
18. A LOG SHOWING DATES THAT E&S BMP'S WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO PWD AT THE TIME OF INSPECTION.
19. ALL SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN THE FOLLOWING MANNER: REMOVAL AND DISPOSAL TO BE AT AN OFF–SITE LOCATION IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
20. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF THREE TO FIVE INCHES –– SIX TO 12 INCHES ON COMPACTED SOILS –– PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM FOUR INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF TWO INCHES OF TOPSOIL.
21. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE, OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES, AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
22. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED NINE INCHES IN THICKNESS.
23. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
24. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
25. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
26. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
27. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
28. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUB–AREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON–GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN ONE YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN ONE YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
29. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON–VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
30. E&S BMP'S SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP'S APPROVED BY PWD AND PA DEP.
31. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY E&S BMP'S MUST BE REMOVED OR CONVERTED TO PERMANENT POST–CONSTRUCTION STORMWATER MANAGEMENT PRACTICES. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE E&S BMP'S SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
32. SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS. (WHEN APPLICABLE)
33. DURING CONSTRUCTION, THE SELECTED CONTRACTOR IS EXPECTED TO FOLLOW THE PCSMP APPROVED BY PWD (WHERE APPLICABLE). NO CHANGE OR DEVIATION FROM THE APPROVED PCSMP IS PERMITTED WITHOUT PRIOR APPROVAL FROM PWD.
34. ALL WORK ASSOCIATED WITH PWD WATER CONVEYANCE AND SEWER INFRASTRUCTURE SHALL BE DONE IN ACCORDANCE WITH THE CITY OF PHILADELPHIA WATER DEPARTMENT "WATER MAIN STANDARD DETAILS AND CORROSION CONTROL SPECIFICATIONS", 1985 EDITION, AND "STANDARD DETAILS AND STANDARD SPECIFICATIONS FOR SEWERS", 1985 EDITION.
35. CONTACT PWD WATER TRANSPORT RECORDS (1101 MARKET STREET, 2ND FLOOR, PHONE:215–685–6271) FOR ADDITIONAL APPROVALS AND PERMITS REQUIRED FOR ALL WATER SERVICES, METERS, AND CONNECTIONS TO THE EXISTING AND/OR PROPOSED PWD FACILITIES.
36. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE PADEP'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1 AND 287.1 ET SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
37. A DUST CONTROL PERMIT WILL BE REQUIRED WHEN COMPLETELY DEMOLISHING A BUILDING OR STRUCTURE THAT IS MORE THAN THREE (3) STORIES, GREATER THAN FORTY (40) FEET TALL, OR ENCOMPASSES MORE THAN TEN THOUSAND (10,000) SQUARE FEET; COMPLETELY OR PARTIALLY DEMOLISHING ANY BUILDING OR STRUCTURE BY IMPLOSION; OR ENGAGING IN EARTHWORKS, DEFINED AS "CLEARING, GRUBBING, OR EARTH DISTURBANCE OF ANY LAND EXCESS OF 5,000 SQUARE FEET."

SITE STABILIZATION METHODS (TEMPORARY & PERMANENT STABILIZATION)

1. STRAW MULCH MUST BE APPLIED AT 3.0 TONS PER ACRE.
2. MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS MUST BE INSTALLED ON ALL SLOPES GREATER THAN 3:1.
3. STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.

TEMPORARY SEEDING

1. THE FOLLOWING SURFACES OF THE SITE SHALL BE TEMPORARILY SEEDED AND MULCHED:
   A. THE SURFACE OF TOPSOIL STOCKPILES.
   B. THE SURFACE OF EXPOSED EARTH AREAS THAT WILL BE EXPOSED WITHOUT CONSTRUCTION ACTIVITY THEREON.
2. SEEDING SHALL OCCUR IMMEDIATELY AFTER ESTABLISHMENT OF THE TOPSOIL STOCKPILES OR ROUGH GRADED AREAS. THE FOLLOWING SHALL BE PLANTED:
   A. 40 LBS./ACRE ANNUAL RYE GRASS – COMMON, 100% P.L.S.
3. PREPARE AREAS TO BE SEEDED AS FOLLOWS:
   A. REMOVE ALL DEBRIS, INCLUDING LARGE STONES. APPLY LIME AT A RATE OF 3 TONS PER ACRE AND FERTILIZER AT THE RATE OF 50–50–50 PER ACRE AND WORK INTO SOIL.
   B. SOW SEED AT THE INDICATED RATE. DIVIDE SEED INTO TWO EQUAL LOTS. SOW ONE LOT IN ONE DIRECTION. SOW SECOND LOT AT RIGHT ANGLE TO FIRST. RAKE SEEDED AREA SLIGHTLY. ROLL SURFACE LIGHTLY TO FIRM SOIL AROUND SEED.
4. PLACE CLEAN DRY STRAW OR HAY MULCH WITHIN 48 HOURS AFTER SEEDING. PLACE AT THE RATE OF 3 TONS PER ACRE.
5. SEEDING DATES SHALL BE BETWEEN MARCH 1 AND NOVEMBER 15.

TEMPORARY MULCHING

1. MULCH PROPOSED LANDSCAPE AREAS OR TOPSOIL STOCKPILES IF EARTHWORK IS COMPLETED OUTSIDE OF THE RECOMMENDED PLANTING SEASONS FOR TEMPORARY SEEDING OR DUE TO UNFAVORABLE WEATHER CONDITIONS.
2. MULCH SHALL BE APPLIED IMMEDIATELY FOLLOWING THE ESTABLISHMENT OF THE TOPSOIL STOCKPILE OR ROUGH GRADING.
3. MULCH WITH SUITABLE FIBROUS GROUND, SHREDDED AGED HARDWOOD, PINE WOOD BARK OR STRAW, UNIFORMLY AND CONTINUOUSLY TO A LOOSE DEPTH OF 3 INCHES MINIMUM. ANCHOR AS REQUIRED.
4. PROPERLY MAINTAIN MULCHED AREAS UNTIL PERMANENT STABILIZATION MEASURES ARE COMPLETE. REAPPLY MULCH MATERIALS WHICH BECOME DISLODGED AS INITIAL OR MODIFIED RATES AS NECESSARY. IF A SLOPE FAILURE OCCURS WHICH REQUIRES REDRESSING, EXCAVATION, OR THE ESTABLISHMENT OF A NEW SLOPE, REPLACE MULCH AS NECESSARY.

PERMANENT SEEDING

1. PERMANENT SEEDING SHALL OCCUR IMMEDIATELY AFTER THE FINAL GRADING IS COMPLETED. THE FOLLOWING SEED SHALL BE PLACED UNLESS OTHERWISE SPECIFIED ON THE PLANS OR DIRECTED IN THE FIELD.
   THE FOLLOWING SEED MIX SHALL BE USED:
   A. 40% PENNLAWN FINE FESCUE
   B. 3% RED TOP
   C. 20% CHAMPION PERENNIAL RYE GRASS QUANTITIES ARE OF PURE LIVE SEED (P.L.S.) SPREAD AT A RATE OF 63 LBS. PER ACRE.
2. REMOVE ALL DEBRIS, INCLUDING LARGE STONES. TILL SOIL TO A DEPTH OF FOUR INCHES TO SIX INCHES. APPLY LIME AT A RATE OF 4 TONS PER ACRE. APPLY COMMERCIAL 10–20–20 FERTILIZER AT A RATE OF 930 LBS. PER ACRE. WORK FERTILIZER INTO TOP INCH OF SOIL.
3. SEED ONLY AT THE FOLLOWING TIMES:
   A. SPRING: MARCH 1 TO APRIL 30
   B. LATE SUMMER/EARLY FALL: AUGUST 15 TO NOVEMBER 15
4. DIVIDE SEED INTO TWO EQUAL LOTS. SOW ONE LOT IN ONE DIRECTION. SOW SECOND LOT AT RIGHT ANGLE TO FIRST LOT. RAKE SEEDED AREA SLIGHTLY. ROLL SURFACE LIGHTLY TO FIRM SOIL AROUND SEED.
5. MULCH SEEDED AREAS WITH STRAW OR HAY AT THE RATE OF 3 TONS PER ACRE. ANCHOR MULCH. COMPLY WITH THE REQUIREMENTS OF SECTION 805 – MULCHING, PENNDOT PUBLICATION 408. ANCHOR MULCH AS SPECIFIED.
6. MULCHING SHALL BE DONE AT THE MINIMUM RATE OF 3 TONS PER ACRE WITH SALT HAY, HAY OR STRAW MULCHES. PLACE MULCH IMMEDIATELY AFTER SEEDING OR WITHIN 48 HOURS AFTER SEEDING IS COMPLETED. PROPERLY MAINTAIN MULCHED AREAS UNTIL THE ENTIRE PROJECT HAS BEEN COMPLETED. PROMPTLY REAPPLY MULCH MATERIALS WHICH BECOME DISLODGED OR LOST DUE TO WIND, RAIN, OR OTHER CAUSES AT INITIAL RATES OR AS DIRECTED.
7. LIQUID MULCH BINDERS MAY BE USED TO ANCHOR SALT HAY, HAY OR STRAW MULCHES.
   A. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND CATCHES THE MULCH IN VALLEYS AND AT CRESTS OF BANKS. REMAINDER OF AREAS SHOULD BE UNIFORM IN APPEARANCE.
   B. USE ONE OF THE FOLLOWING: EMULSIFIED ASPHALT. CLASS E–1 OR E–6, APPLY 31 GALLONS PER 1,000 SQUARE YARDS ON SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET HIGH OR MORE, USE 58 GALLONS PER 1,000 SQUARE YARDS. CUTBACK ASPHALT. CLASS RC–250. APPLY 31 GALLONS PER 1,000 SQUARE YARDS ON FLAT AREAS AND ON SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET HIGH OR MORE, USE 58 GALLONS PER 1,000 SQUARE YARDS. NON–ASPHALTIC EMULSION – NATURAL VEGETABLE GUM BLENDED WITH GELLING AND HARDENING AGENTS (TERRA TACK, AR) AS MANUFACTURED BY GRASS GROWERS COMPANY OR EQUAL. APPLY 25 LBS. PER 1,000 SQUARE YARDS.

MAINTENANCE PROGRAM

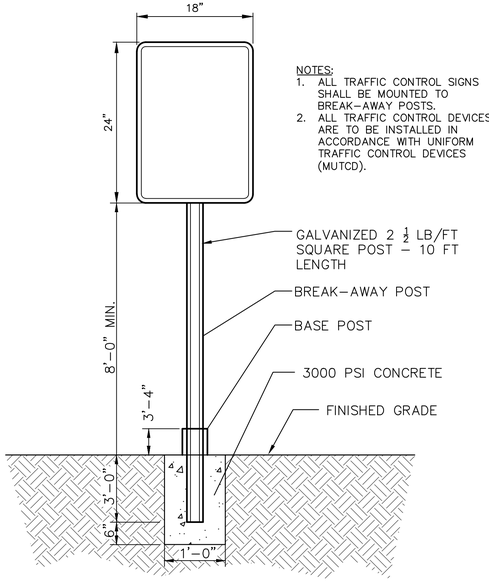
1. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION STABILIZATION, AND MAINTENANCE OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THIS PLAN. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND STABILIZATION OF PERMANENT CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THIS PLAN.
2. THE OWNER WILL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL PERMANENT CONTROL MEASURES.
3. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMP'S AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING,AND RENETTING, MUST BE DONE IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS TO THOSE INSTALLED WILL BE REQUIRED.
4. SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF AT AN OFF–SITE LOCATION IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
5. SOIL SEDIMENT REMOVED FROM SILT FENCE DURING REGULAR MAINTENANCE WILL BE INCORPORATED BACK INTO THE EARTHWORK AS FILL ON THE SITE. SOIL SEDIMENT MATERIAL SHALL BE DISTRIBUTED ON–SITE WITHOUT CHANGING DRAINAGE PATTERNS DURING A SPECIFIC CONSTRUCTION STAGE. SILT FENCE INSTALLED ON THE PROJECT SITE SHALL BE MAINTAINED AS FOLLOWS:
   A. THE FENCE CONDITION WILL BE INSPECTED ONCE A WEEK OR AFTER EVERY STORM EVENT, WHICHEVER COMES FIRST. ANY NECESSARY REPAIRS WILL BE MADE IMMEDIATELY
   B. ACCUMULATED SEDIMENTS WILL BE REMOVED AS REQUIRED TO KEEP THE FENCE FUNCTIONAL. DEPOSITS WILL BE REMOVED WHERE ACCUMULATIONS REACH ONE–HALF THE ABOVE–GROUND HEIGHT OF THE FENCE.
   C. UNDERCUTTING OR EROSION OF THE TOE ANCHOR WILL BE REPLACED IMMEDIATELY WITH ROCK FILTER OUTLETS.
   D. ANY MANUFACTURER'S RECOMMENDATIONS WILL BE ADHERED TO WHEN REPLACING FILTER FABRIC FENCE DUE TO WEATHERING.
6. AT THE END OF EACH CONSTRUCTION DAY, ANY SEDIMENT DEPOSITED ON PUBLIC ROADWAYS, WILL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. WASHING OF THE ROADWAY WITH WATER WILL NOT BE PERMITTED.
7. OTHER BMP'S
   A. SEDIMENT MUST BE REMOVED FROM STORM WATER INLET PROTECTION AFTER EACH RUNOFF EVENT.

CONSTRUCTION SEQUENCE:

1. AT LEAST SEVEN (7) DAYS PRIOR TO ANY EARTH DISTURBANCE, THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215–685–6387) MUST BE CALLED TO SCHEDULE A PRECONSTRUCTION MEETING. THE OPERATOR SHALL ALSO INVITE ALL CONTRACTORS INVOLVED IN EARTH MOVING ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE CITY OFFICIALS, AND THE EROSION AND SEDIMENT CONTROL PREPARER TO THIS ON–SITE MEETING.
2. AT LEAST THREE (3) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM INCORPORATED AT 1–800–242–1776 FOR BURIED UTILITY LOCATIONS.
3. INSTALL CONSTRUCTION FENCE AROUND THE PERIMETER OF THE WORK AREA. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE FENCE WITH THE OWNER AND/OR ENGINEER. CONSTRUCTION FENCE SHALL BE INSTALLED TO PROTECT THE PUBLIC FROM LAND DISTURBANCE ACTIVITIES AND TO MAINTAIN PEDESTRIAN ACCESS THROUGHOUT THE DURATION OF CONSTRUCTION.
4. INSTALL COMPOST FILTER SOCK DOWNHILL FROM ALL EARTH MOVING ACTIVITIES AND AS SHOWN ON THE PLAN. ALTHOUGH OFF–SITE AREAS ARE PAVED, COMPOST FILTER SOCK OR OTHER EROSION CONTROL PRACTICES SHALL BE INSTALLED AROUND THE PERIMETER OF THE WORK AREA AS SHOWN ON THE PLAN. PERIMETER FILTER SOCK SHALL REMAIN AND BE MAINTAINED FOR THE DURATION OF THE WORK.
5. INSTALL INLET PROTECTION ON ALL EXISTING INLETS WITHIN ONE (1) BLOCK OF THE PROJECT SITE AS SHOWN ON THE PLAN. EXISTING INLETS SHALL REMAIN PROTECTED AND BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
6. INSTALL CONSTRUCTION ENTRANCE AS SHOWN AND IN ACCORDANCE WITH THE CONSTRUCTION ENTRANCE DETAIL. THE CONSTRUCTION ENTRANCE SHALL REMAIN AND BE MAINTAINED FOR THE DURATION OF THE WORK. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.
7. INSTALL SAFETY FENCE AROUND THE PERIMETER OF THE PROPOSED STORMWATER MANAGEMENT FACILITY SMP–1. AREAS FOR PROPOSED SMP MUST BE PHYSICALLY MARKED AS HEAVY EQUIPMENT EXCLUSION ZONES PRIOR TO ANY LAND–DISTURBING ACTIVITIES TO AVOID SOIL DISTURBANCE AND COMPACTION DURING CONSTRUCTION. IF AREAS ARE COMPACTED DURING CONSTRUCTION, ADDITIONAL INFILTRATION TESTING AND POTENTIAL REDESIGN EFFORTS MAY BE REQUIRED.
8. CONTRACTOR SHALL PROVIDE PROTECTION OF ALL EXISTING UTILITIES, SURFACE FEATURES, TREES, AND PAVEMENTS THAT ARE TO REMAIN THROUGHOUT THE DURATION OF PROJECT CONSTRUCTION.
9. CLEAR AND GRUB SITE WITHIN LIMIT OF DISTURBANCE. DEMOLISH EXISTING PAVING, CURBING, AND FENCING AS REQUIRED. SAWCUT PAVED AREAS AS NEEDED TO MINIMIZE EARTH DISTURBANCE. DEMOLISHED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISCARDED IN ACCORDANCE WITH APPLICABLE CITY, STATE, AND FEDERAL REGULATIONS.
10. EXCAVATE TRENCHES FOR PROPOSED SEWER, STORM, AND WATER SERVICE CONNECTIONS AS SHOWN ON THE PLAN DRAWINGS. INSTALL NEW SEWERS, STORM DRAINAGE, AND WATER SERVICES IN ACCORDANCE WITH THE PLANS AND PHILADELPHIA WATER DEPARTMENT STANDARD SPECIFICATIONS. TEMPORARILY CAP ALL SEWER AND STORMWATER CONDUITS TO PREVENT SOIL FROM ENTERING PIPES.
11. ROUGH GRADE SUBBASE TO REQUIRED DEPTHS.
12. INSTALL ALL SITE INLETS AND CONVEYANCE PIPING IN ACCORDANCE WITH THE PLAN DRAWINGS. PHOTOGRAPH INLETS WITH THE PROPERLY INSTALLED SUMP (WITH TAPE MEASURE AS SIZE REFERENCE) AND TRAP/HOOD (INCLUDING GROUTING) IN ACCORDANCE WITH THE CONSTRUCTION CERTIFICATION PACKAGE. CONFIRM, MEASURE, AND PHOTOGRAPH INLET AND INLET SUMP DEPTHS IN ACCORDANCE WITH THE CONSTRUCTION CERTIFICATION PACKAGE. INSTALL INLET PROTECTION ON INLETS AS THEY BECOME FUNCTIONAL.
13. INSTALL STORMWATER MANAGEMENT SYSTEM SMP–1 IN ACCORDANCE WITH THE SMP–1 CONSTRUCTION SEQUENCE ON THIS SHEET.
14. INSTALL PROPOSED SITE IMPROVEMENTS INCLUDING PAVING, CONCRETE SIDEWALKS, CURBING, SITE FURNISHINGS, AND UTILITIES IN ACCORDANCE WITH THE PLAN DRAWINGS.
15. AS SOON AS SLOPES, CHANNELS, DITCHES, AND OTHER DISTURBED AREAS REACH FINAL GRADE, THEY MUST BE STABILIZED. CESSATION OF ACTIVITY FOR FOUR (4) DAYS OR LONGER REQUIRES TEMPORARY STABILIZATION.
16. PLACE TOPSOIL, SEED GRASSED AREAS, AND INSTALL PLANTS AND TREES IN ACCORDANCE WITH THE LANDSCAPING PLAN DRAWINGS.
17. SWEEP PAVED AREAS DAILY TO PREVENT TRACKING OF SOIL OFF–SITE.
18. ALL STONE THAT MAKES UP THE SUBSURFACE INFILTRATION BASIN SMP–1 MUST REMAIN FREE OF SEDIMENT. IF SEDIMENT ENTERS THE STONE, THE CONTRACTOR MAY BE REQUIRED TO REMOVE THE SEDIMENT AND REPLACE IT WITH CLEAN–WASHED STONE.
19. WATER PUMPED FROM WORK AREAS SHOULD BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGING TO A SURFACE WATER.
20. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215–685–6387) FOR A FINAL INSPECTION PRIOR TO REMOVAL OF THE E&S BMPS.
21. REMOVE ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AFTER SITE HAS BEEN INSPECTED, ACCEPTED, AND PERMANENTLY STABILIZED.
22. THE NPDES NOTICE OF TERMINATION (N.O.T.) MUST BE SUBMITTED TO PA DEP UPON COMPLETION OF CONSTRUCTION.

SUBSURFACE INFILTRATION BASIN SMP–1 CONSTRUCTION SEQUENCE:

1. AT LEAST THREE (3) DAYS PRIOR TO THE INSTALLATION OF THE SUBSURFACE INFILTRATION BASIN SMP–1, THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215–685–6387) MUST BE CALLED TO SCHEDULE AN INSPECTION.
2. STAKE OUT UNDERGROUND STORMWATER INFILTRATION BASIN SMP–1 AND PROTECT THE AREA FROM COMPACTION DURING CONSTRUCTION. INSTALL COMPOST FILTER SOCK SUCH THAT CONSTRUCTION RUNOFF IS DIRECTED AWAY FROM THE PROPOSED SUBSURFACE INFILTRATION SMP. PHOTOGRAPH THAT THE BASIN LOCATION IS STAKED AND SEDIMENT CONTROL DEVICES ARE IN PLACE IN ACCORDANCE WITH THE CONSTRUCTION CERTIFICATION PACKAGE PRIOR TO THE NEXT STEP.
3. EXCAVATE SUBSURFACE INFILTRATION AREA TO PROPOSED DEPTH AS SHOWN ON THE PLANS, PROVIDING APPROPRIATE SHORING AND SHEETING FOR DEEP EXCAVATIONS. ALL SHORING AND SHEETING WITHIN THE BASIN FOOTPRINT SHALL BE FULLY REMOVED FOLLOWING EXCAVATION TO AVOID INTERFERENCE WITH INFILTRATION PERFORMANCE.
4. UPON ACHIEVING FINAL SUBGRADE ELEVATIONS, CONFIRM THAT THE SUBGRADE ELEVATION IS CONSISTENT WITH THE APPROVED PCSMP DRAWINGS. PRIOR TO PLACEMENT OF GEOTEXTILE AND STONE, PWD MUST BE CALLED (215–685–6387) TO SCHEDULE AN OBSERVATION OF THE COMPLETED SUBGRADE. DO NOT PROCEED WITH GEOTEXTILE OR STONE PLACEMENT UNTIL THE PWD INSPECTOR HAS OBSERVED AND APPROVED THE SUBGRADE CONDITION AND ELEVATION.
5. MANUALLY GRADE AND SCARIFY THE EXISTING SOIL SURFACE AT THE BOTTOM OF THE SUBSURFACE INFILTRATION BASIN. THE BOTTOM OF THE BASIN SHALL BE AT A LEVEL GRADE (PLUS OR MINUS ONE–HALF INCH OVER TEN FEET). THE EXISTING SUBGRADE SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT PRIOR TO PLACEMENT OF GEOTEXTILE AND STONE BED. THE USE OF MACHINERY TO LOAD STONE FROM OUTSIDE OF THE INFILTRATION BED FOOTPRINT IS RECOMMENDED. STONE SHOULD BE CAREFULLY PLACED, NOT DUMPED, INTO THE INFILTRATION BED. IF IT IS ESSENTIAL THAT EQUIPMENT BE USED WITHIN THE EXCAVATED AREA, ALL EQUIPMENT MUST BE LOW GROUND PRESSURE EQUIPMENT (4 PSI OR LESS) AND APPROVED BY PWD. USE OF EQUIPMENT WITH NARROW TRACKS OR TIRES, RUBBER TIRES WITH LARGE LUGS, OR HIGH–PRESSURE TIRES WILL CAUSE EXCESSIVE COMPACTION AND IS NOT PERMITTED. SHOULD THE SUBGRADE BECOME COMPACTED DURING CONSTRUCTION, ADDITIONAL IN

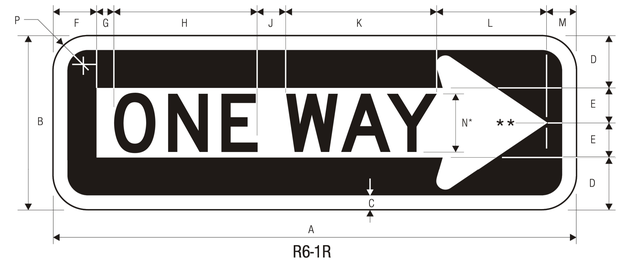


NOTES:
1. ALL TRAFFIC CONTROL SIGNS SHALL BE MOUNTED TO BREAK–AWAY POSTS.
2. ALL TRAFFIC CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

1 C7.0 SIGN POLE DETAIL
N.T.S.

Size: 12" x 18"
Color: Red and White
Border: .38" Red
Font: "C" Series
Letters are all capital
NOT TO SCALE

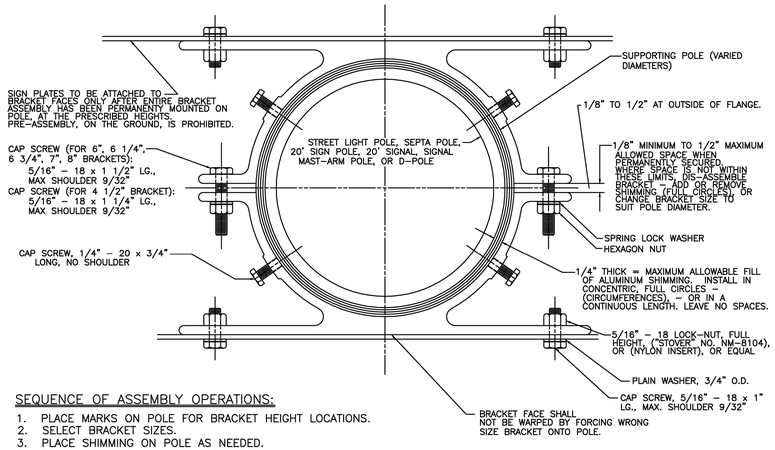
2 C7.0 NO PARKING SIGN
N.T.S.



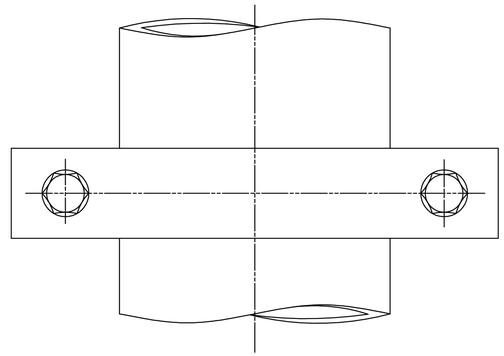
R6-1R
ONE WAY

	A	B	C	D	E	F	G	H	J	K	L	M
C	36	12	.5	3.375	2.625	3	1.25	9.125	2	9.625	9	2
	54	18	1	5.5	3.5	5	4	12.309	2.929	12.762	13	4

3 C7.0 ONE WAY SIGN
N.T.S.



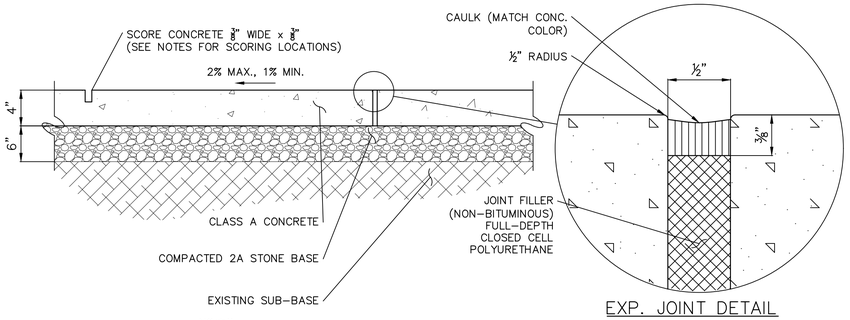
SEQUENCE OF ASSEMBLY OPERATIONS:
1. PLACE MARKS ON POLE FOR BRACKET HEIGHT LOCATIONS.
2. SELECT BRACKET SIZES.
3. PLACE SHIMMING ON POLE AS NEEDED.
4. SECURE & LEVEL BRACKET ASSEMBLIES.
5. ATTACH SIGN PLATES, & LEVEL, & CLEAN.
6. CHECK SIGN MESSAGES FOR ACCURACY.



NOTES

1. ALL BOLTS, NUTS, PLAIN & LOCK WASHERS MUST BE STAINLESS STEEL.
2. SHIMMING MATERIAL = ALUMINUM (1100) 0 – TEMPER, .063 GA. x 1 1/2" WIDE. – OTHER TYPE – WITH PERMISSION ONLY.

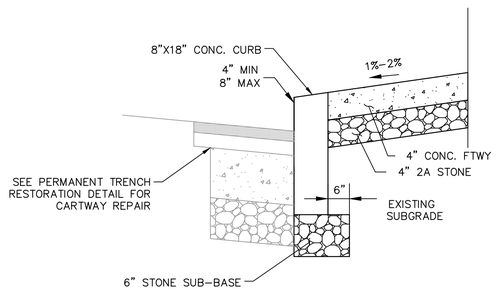
4 C7.0 ASSEMBLY OF SIGN BRACKETS
N.T.S.



EXP. JOINT DETAIL

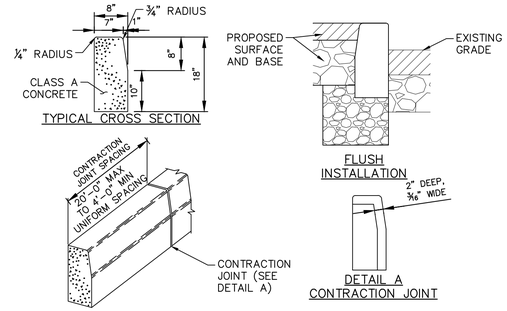
NOTES:
1. SPACE EXPANSION JOINTS 20' O.C. UNLESS SHOWN OTHERWISE ON PLANS.
2. INSTALL EXPANSION JOINTS WHERE WALK ABUTS OTHER STRUCTURES.
3. CONCRETE WALKWAY SHALL BE SCORED ON A 5' X 5' GRID. PERPENDICULAR TO THE CURBLINE.

5 C7.0 CONCRETE FOOTWAY DETAIL
SCALE: N.T.S.



NOTES:
1. SAW–CUT EXISTING BITUMINOUS PAVING AT THE CARTWAY.
2. REMOVE EXISTING CURB AND SIDEWALK TO BE REPLACED.
3. REPLACE NEW CONCRETE CURB AND SIDEWALK.
4. REPLACE SAW–CUT PORTION OF CARTWAY WITH NEW BITUMINOUS PAVEMENT.
5. USE THIS DETAIL AT REPLACEMENT OF EXISTING SIDEWALKS AND CURBS.
6. COMPLY WITH CITY OF PHILADELPHIA STANDARDS.

6 C7.0 CONCRETE CURB AND FOOTWAY DETAIL
SCALE: N.T.S.



7 C7.0 VERTICAL CURB DETAIL
SCALE: N.T.S.

PLAN EXAMINER STAMP AREA:

PWD TRACKING No.

FY26-MCPH-8223-01

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Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — RICHARD S. BURRELL, JR. — ENGINEER — No. PE078118

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

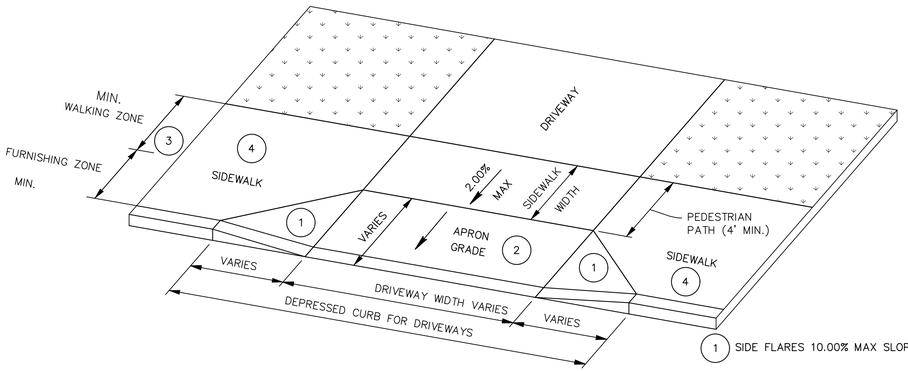
CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

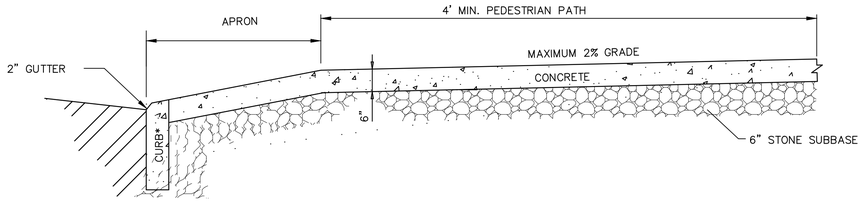
DRAWING TITLE
CONSTRUCTION DETAILS

PROJECT NO. (CITY | KSE) 52025-E-06-01 | 2277-06	DRAWING NO. C7.0
DATE 04.08.2026	
SCALE AS NOTED	
DRAWN BY CMC	
CHECKED BY RSB	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



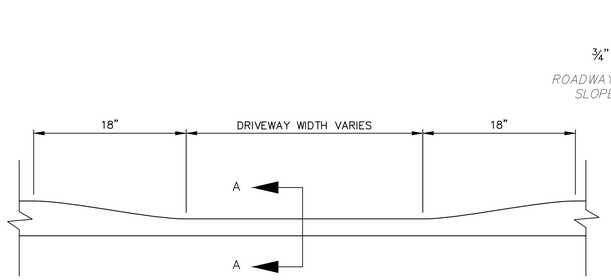
1. SIDE FLARES 10.00% MAX SLOPE
2. 8% MAX. CHANGE IN GRADE BETWEEN ROAD SURFACE AND DRIVEWAY
3. WHERE COMPLETE STREETS STANDARDS CANNOT BE MET WITHIN EXISTING LEGAL FOOTWAY, MAINTAIN 5' (MIN) CONTINUOUS CLEAR ACCESSIBLE SIDEWALK IN ACCORDANCE WITH RC-67M AND PUB 13M
4. SIDEWALK GRADE ADJUSTMENTS PERMITTED ONLY WHERE APRON GRADE EXCEEDS 8%. THE MAXIMUM GRADE PERMITTED IS 5%.



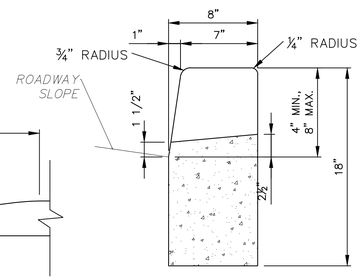
* REINFORCING MESH OR BARS ARE NOT PERMITTED IN THE DRIVEWAY APRON

STANDARD DRIVEWAY REGULATIONS FOR CURB CUTS

SCALE: N.T.S.



ELEVATION VIEW



SECTION A–A

DEPRESSED CURB FOR DRIVEWAYS DETAIL

SCALE: N.T.S.

NOTES:

1. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 630 FOR PLAIN CEMENT CONCRETE CURB AND DEPRESSED CURB.
2. SPACE CONTRACTION JOINTS IN UNIFORM LENGTHS OR SECTIONS.
3. PLACE ¾" THICK PREMOLDED EXPANSION JOINT FILLER MATERIAL AT STRUCTURES AND AT THE END OF THE WORK DAY. CUT MATERIAL TO CONFORM TO AREA ADJACENT TO CURB OR TO CONFORM TO CROSS SECTIONAL AREA OF CURB.
4. SPACE CONTROL JOINTS AT 5' CENTERS ALONG THE LENGTH ON CONCRETE STEP-OFF AND STANDARD CONCRETE SIDEWALK.
5. FOR SPARKLE CONCRETE SIDEWALK, SCORE LINES SHALL BE MADE AS FOLLOWS: A CONTINUOUS SCORE LINE 1'-6" FROM THE EDGE OF SIDEWALK, ANOTHER CONTINUOUS SCORE LINE 1'-6" FROM THE OTHER EDGE OF SIDEWALK AND ON 5' CENTERS ALONG THE LENGTH OF THE FOOTWAY.
6. IN CASES WHERE THE CURB IS BEING REPLACED AT THE SAME ALIGNMENT AND GUTTER ELEVATION, THE EXISTING ROADWAY SHALL NOT BE DISTURBED.

PWD TRACKING No.

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REBUILD | CASSIE O'CONNELL

SEALS

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
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CITY OF PHILADELPHIA
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1515 ARCH STREET
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PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
CONSTRUCTION DETAILS

PROJECT NO. (CITY | KSE) 52025-E-06-01 | 2277-06	DRAWING NO. C7.1
DATE 04.08.2026	
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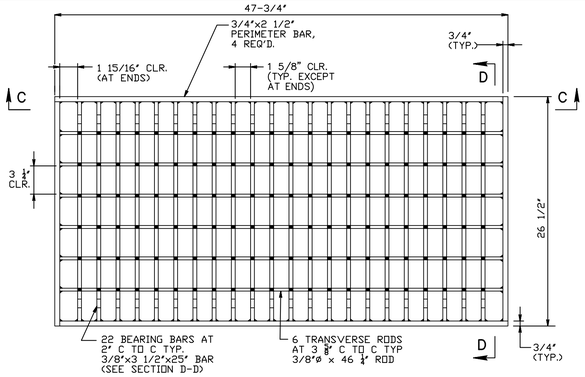
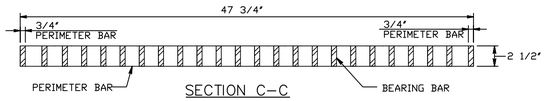
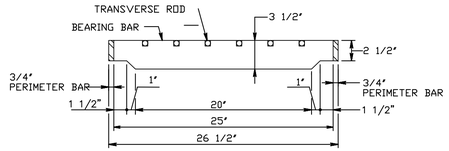




SECTION C–C

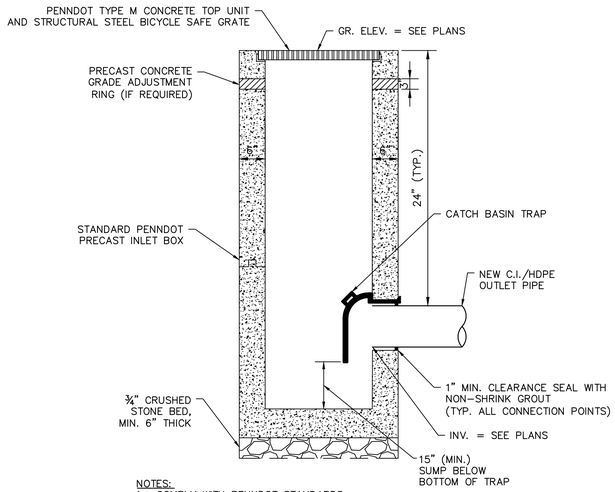


SECTION D–D

1/C8.0 **STRUCTURAL STEEL BICYCLE SAFE GRATE**
SCALE: N.T.S.

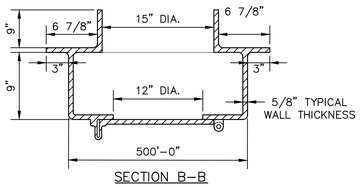
INLET NUMBER	GRATE TYPE	RIM ELEV.	INVERT OUT ELEV.	SUMP ELEV.
1	2' X 4' HIGHWAY GRATE	47.05	43.73	39.63
6	2' X 4' HIGHWAY GRATE	48.50	45.18	41.08
7	2' X 4' HIGHWAY GRATE	47.83	44.51	40.41
8	2' X 4' HIGHWAY GRATE	45.33	42.01	37.91
9	2' X 4' HIGHWAY GRATE	44.58	41.09	37.16
10	2' X 2' HIGHWAY GRATE	45.27	41.95	37.85
11	2' X 2' HIGHWAY GRATE	47.00	44.01	39.58
12	2' X 2' HIGHWAY GRATE	47.05	44.06	39.63

NOTE: EACH PROPOSED INLET MUST BE OUTFITTED WITH A SUMP AND TRAP

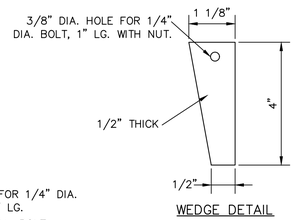


NOTES:
1. COMPLY WITH PENNDOT STANDARDS.
2. USE PRECAST PENNDOT INLET BOX WITH 3'–9¾"x2' INTERIOR DIMENSIONS AND 6" THICK WALLS.
3. SEAL INLET TRAP WITH NON–SHRINK, NON–METALLIC MORTAR. APPLY BITUMEN–TYPE SEALING COMPOUND TO JOINT.
4. PROPOSED INLET TRAP MUST BE AIR TIGHT.
5. USE PENNDOT STANDARD INLET BOX OR APPROVED EQUAL.

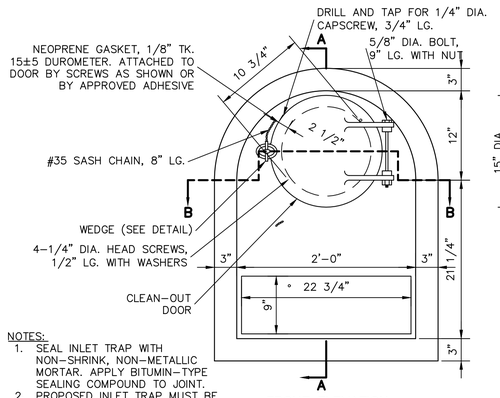
2/C8.0 **HIGHWAY GRATE INLET**
SCALE: N.T.S.



SECTION B–B

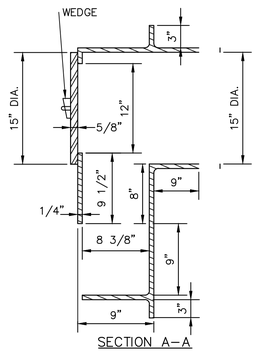


WEDGE DETAIL



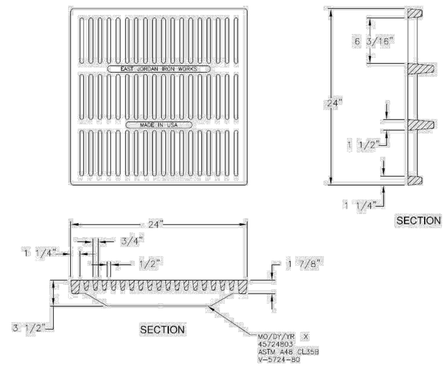
NOTES:
1. SEAL INLET TRAP WITH NON–SHRINK, NON–METALLIC MORTAR. APPLY BITUMIN–TYPE SEALING COMPOUND TO JOINT.
2. PROPOSED INLET TRAP MUST BE AIR TIGHT.

FRONT ELEVATION



SECTION A–A

3/C8.0 **INLET TRAP**
SCALE: N.T.S.



4/C8.0 **24" X 24" SQUARE ADA PEDESTRIAN GRATE**
N.T.S.

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PROJECT TEAM

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KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
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LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
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215 790 0727

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CHECKED BY RSB	FILE

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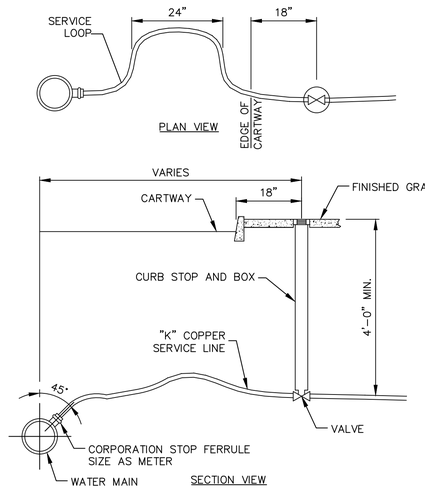
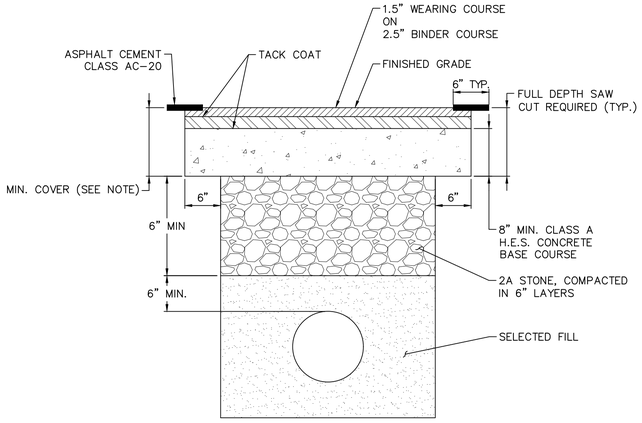


NOTES:
1. STREET CONTRACTOR SHALL STUB UP LATERAL AT RIGHT-OF-WAY LINE.
2. COMPLY WITH THE CITY PHILADELPHIA STANDARDS.

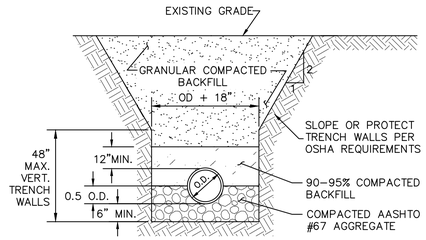
1 / C8.1 **WATER/FIRE SERVICE CONNECTION**
SCALE: N.T.S.



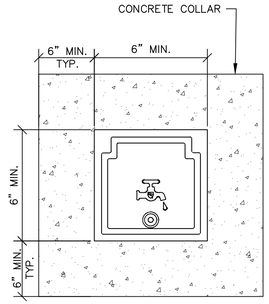
NOTE:

1. MINIMUM COVER: NO STRUCTURE SHALL BE PLACED LESS THAN 24-INCHES BELOW THE CARTWAY OR 15-INCHES BELOW THE FOOTWAY.
2. REPLACE ALL DISTURBED PAVEMENT MARKINGS WITH THERMOPLASTIC TAPE.
3. PAVEMENT MARKINGS MUST BE RESTORED WITHIN 7 DAYS OF TRENCH RESTORATION.
4. ALL RESTORATION BY PERMITTEE TO BE IN ACCORDANCE WITH THE LATEST STREETS DEPARTMENT STANDARDS.

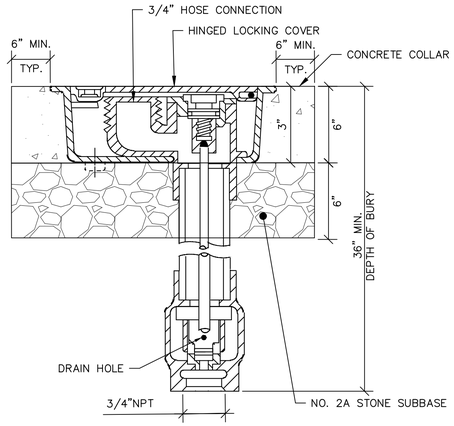
2 / C8.1 **PERMANENT TRENCH RESTORATION DETAIL FOR ROADWAY REPAIR**
SCALE: N.T.S.



3 / C8.1 **TRENCH RESTORATION (IN GRASS)**
SCALE: N.T.S.

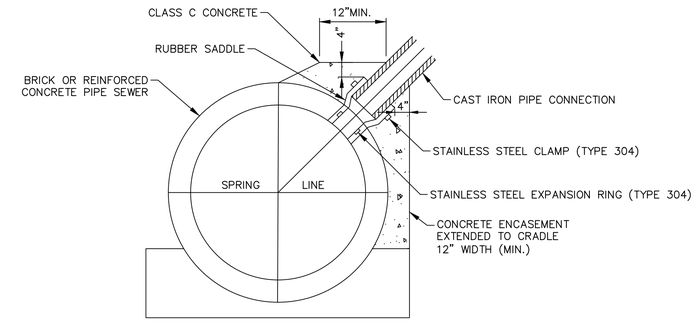


PLAN



SECTION

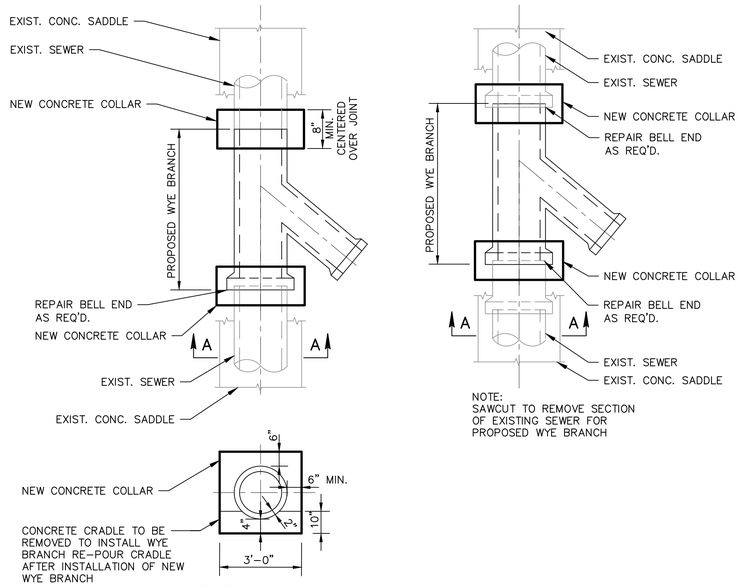
4 / C8.1 **FREEZE PROOF YARD HYDRANT**
SCALE: N.T.S.



SADDLE CONNECTION INSTALLATION PROCEDURE:

1. THE CONNECTIONS SHOULD NOT JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE EXISTING SEWER LINES NOR JEOPARDIZE OR COMPROMISE THE OPERATION AND FLOW OF THE EXISTING SEWER LINES.
2. EXCAVATE SAFELY TO EXPOSE THE EXISTING SEWER PIPE WITHOUT DAMAGING IT.
3. EXCAVATE A DITCH WIDE ENOUGH TO ACCOMMODATE CORING THE EXISTING SEWER PIPE AND CONCRETING THE CONNECTION JOINT TO 1-FOOT PAST THE EDGE OF THE CORED OPENING IN ALL DIRECTIONS.
4. CONTRACTORS SHOULD PERFORM THE CONNECTION IN A SAFE MANNER AND PER OSHA REGULATIONS.
5. SHORING SHALL BE INSTALLED IN DITCHES AND TRENCHES AS PER OSHA REGULATIONS OR AS REGULATED BY PWD. VIOLATION OF THIS PROVISION WILL RESULT IN A STOP WORK ORDER AND/OR PENALTIES PRESCRIBED BY LAW. (REFER TO PHILADELPHIA PLUMBING CODE 2004 SECTION P- 1503.2 SHORING).
6. CORE DRILL A HOLE NOT MORE THAN 1-INCH LARGER THAN THE OD OF THE CONNECTING PIPE OR SADDLE.
7. PREVENT ANY PIECES OF CORED SECTION OR DEBRIS TO FALL INTO THE SEWER.
8. REMOVE ALL THE BROKEN PIECES OR DEBRIS THAT FALL INTO THE SEWER.
9. CAULK THE INTERIOR SURFACE OF THE CORED AREA WITH NON-SHRINK OR EPOXY MORTAR.
10. CUT A SADDLE LONG ENOUGH ON THE BELL-END SIDE SO THAT WHEN INSERTED INTO THE CORED HOLE, IT WILL BE FLUSH WITH THE INSIDE FACE OF THE SEWER WALL OR WITH NOT MORE THAN 1-INCH PROTRUSION INTO THE SEWER PIPE AND ALSO THE BELL END WILL REST ON THE SEWER PIPE.
11. FILL THE ANNULAR SPACE BETWEEN THE SADDLE AND THE SEWER PIPE WITH APPROVED CAULK OR NON-SHRINK MORTAR.
12. SECURE THE SADDLE.
13. CONNECT THE FIRST PIECE OF THE LATERAL PIPE TO THE SADDLE.
14. FORM THE OUTSIDE OF THE CONNECTION JOINT SO THAT A 12-INCH THICK CONCRETE COLLAR COULD BE PLACED AROUND THE CONNECTION JOINT.
15. PLACE A MINIMUM OF 3,000 PSI CONCRETE COLLAR EXTENDING 12 INCH AROUND THE JOINT.
16. ALLOW AT LEAST 24 HOURS FOR THE CONCRETE TO HARDEN BEFORE BACKFILLING.
17. ANY OTHER PIPELINE EXPOSED AND UNDERMINED DURING THIS OPERATION MUST BE SUPPORTED IMMEDIATELY AND BACKFILLED WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM) AFTER THE COMPLETION OF THE CONNECTION.

5 / C8.1 **SEWER LATERAL CONNECTION DETAIL TO CIRCULAR RC PIPE SEWERS**
SCALE: N.T.S.



SECTION A-A

6 / C8.1 **PREFABRICATED WYE BRANCH DETAIL**
SCALE: N.T.S.

PWD TRACKING No.

FY26-MCPH-8223-01

PLAN EXAMINER STAMP AREA:

REVISIONS

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SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — RICHARD S. BURRELL, JR. — ENGINEER — No. PE078118

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
UTILITY DETAILS

PROJECT NO. (CITY | KSE) 52025-E-06-01 | 2277-06	DRAWING NO. C8.1
DATE 04.08.2026	
SCALE AS NOTED	
DRAWN BY CMC	
CHECKED BY RSB	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

FILL CHART

Material Location	Description	Material Classification			Compaction/Density Requirement (NOTE 3)
FINAL FILL Fill starting from the top of the embedment fill layer. (NOTE 1 and 2)	Suitable Fill Materials as noted in the Project Geotechnical Report and noted on the Site Design Engineer's Plans	See Project Geotechnical Report and Site Design Engineer's Plans			Plate Compact or Static Roll loose lifts to densify fill. Use at least two full passes of the equipment to level the layer. Continue until 24 inches of total fill thickness has been placed above the tank. For AASHTO M145 soils, a minimum of 95% of the Standard Proctor Maximum Dry Density is recommended. After 24 inches of fill is placed, place fill in accordance with the engineer of record's relative compaction requirement or to 95% of the Standard Proctor Maximum Dry Density - whichever is greater.
EMBEDMENT FILL Fill Immediately Surrounding the sides and top of tank (NOTE 4) **BEDDING FILL** Fill Immediately below the tank (NOTE 4)	Sand-Gravel Mixtures or Open-Graded Crushed Aggregate Blends	AASHTO M145 A-1, A-2-4, A-3	or	AASHTO M43 3, 357, 4, 467, 5, 56, 57	Plate Compact or Static Roll loose lifts to densify fill. Use at least two full passes of the equipment to level the layer. For AASHTO M145 soils, a minimum of 95% of the Standard Proctor Maximum Dry Density is recommended.

NOTE 1: This layer can include pavement subbase
NOTE 2: If open-graded aggregates are used for embedment fill, fines migration from the final to embedment fill layer may be reduced by installing a layer of 6 oz non-woven geotextile fabric at the final and embedment fill interface.
NOTE 3: See Construction Equipment Table for more information for construction equipment limitations.
NOTE 4: Import or native soils may be used if the soils meet the material classification listed. Fill material should be selected based on classification, groundwater conditions, and tank invert elevation.

COVER CHART

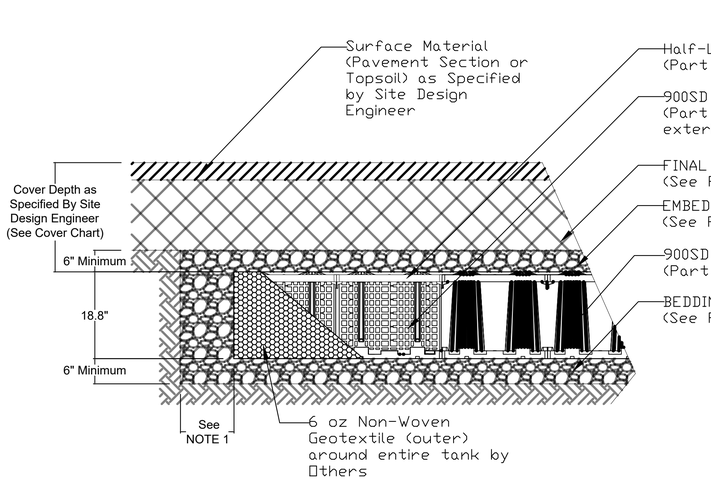
Live Loading Condition	Cover Thickness (inches)	
	Minimum	Maximum
Non-Trafficked Areas (i.e. Landscaping)	12	78
Passenger Vehicles Parking Lot (i.e. Gross Vehicle Weight <10,000 lbs)	18	78
Passenger Vehicle Parking Lot with one weekly AASHTO HS-20 vehicle	24	78
Heavy AASHTO HS-20 Traffic	26	78

NOTE 1: Minimum Cover Thickness in non-trafficked areas is based on landscape surface with a 40 degree load distribution. In trafficked areas, Minimum Cover Thicknesses are based on an asphalt-surfaced pavement with a 30 degree load distribution.
NOTE 2: Calculations assume backfill with a minimum 32-degree angle of internal friction and a maximum density of 120 lbs per cubic foot, and a seasonal groundwater elevation at least 2 feet below the invert of the tank.

SIDE PANEL PIPE DIAMETER CHART

Layer Height	Inlet/Outlet Pipe Diameter	
	Minimum	Maximum
0.5	4 inches	10 inches

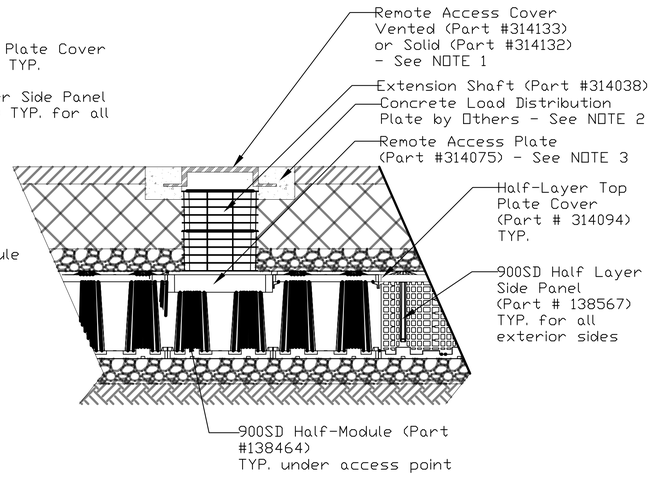
NOTE 1: Cut inlet/outlet pipe hole prior to side panel installation.
NOTE 2: Contact ACO for guidance for inlet / outlet pipes larger than 10-inch diameter



0.5 LAYER 900SD INFILTRATION CROSS SECTION

NTS

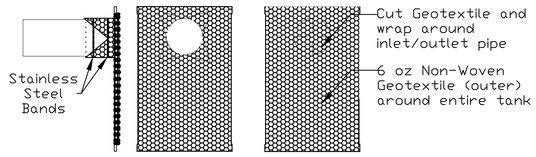
NOTE 1: The minimum width of sidewall backfill is 12" or large enough to accommodate selected compaction equipment, whichever is greater.



0.5 LAYER 900SD ACCESS POINT CROSS SECTION

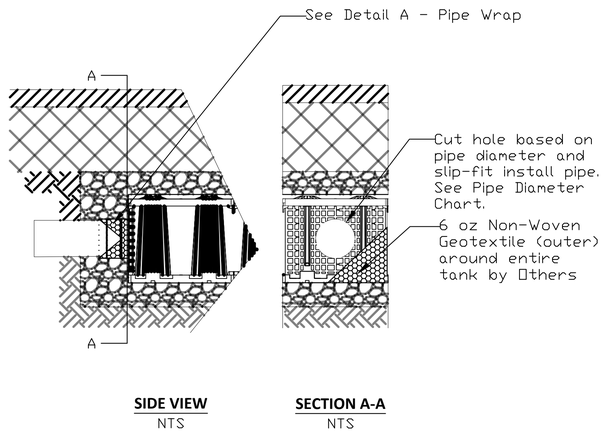
NTS

NOTE 1: Ventilation may be crucial to reducing the pressure build up within the system. If solid access covers are used, alternative methods of ventilation are recommended.
NOTE 2: Concrete Load Plate not required for unpaved applications. Consult Engineer of Record for requirements
NOTE 3: The Remote Access Plate is approximately the size of half of a half-module. The half-module at the top of the tank must be cut in half to accommodate the Remote Access Plate



DETAIL A - PIPE WRAP

NTS



SIDE VIEW
NTS

SECTION A-A
NTS

0.5 LAYER 900SD PIPE INSTALLATION

NTS

1 C8.2 STORMWATER MANAGEMENT MODULE DETAILS
SCALE: NOT TO SCALE

PLAN EXAMINER STAMP AREA:

PWD TRACKING No.

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KS ENGINEERS, P.C.
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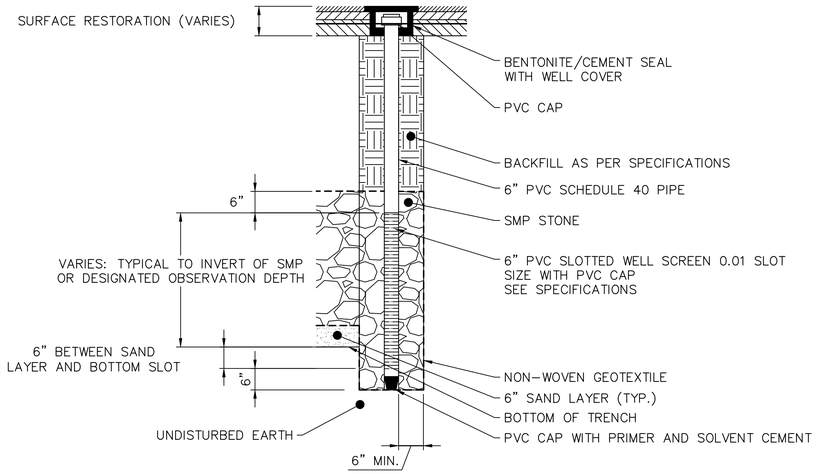
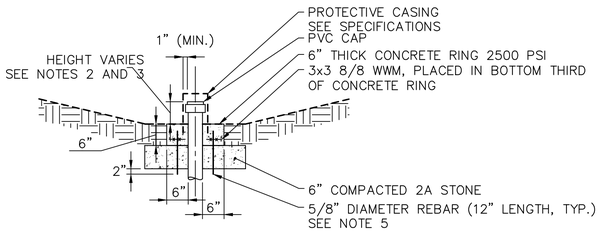


OBSERVATION WELL IN PAVED AREA



OBSERVATION WELL IN UNPAVED AREA

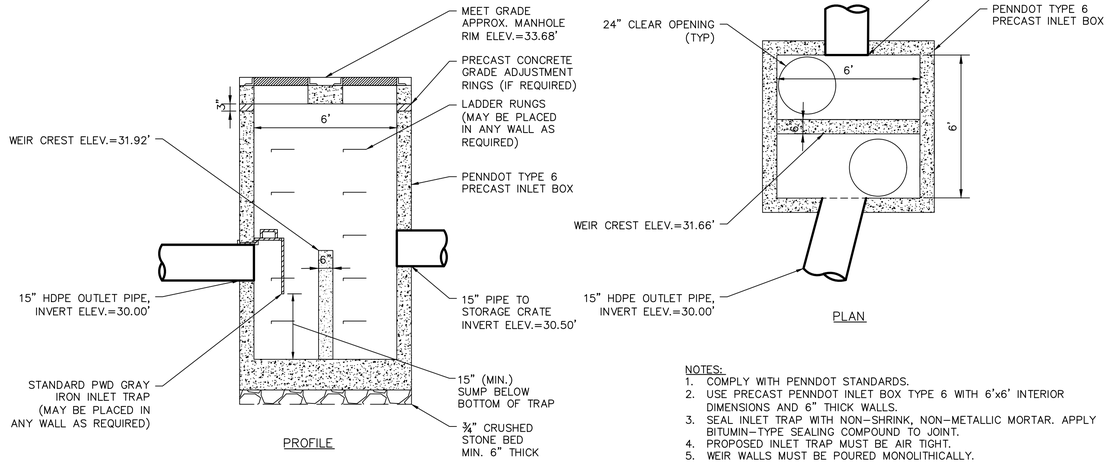
NOTES:
1. WELL COVER SHALL BE SECURED IN CONCRETE SURROUND (1'-6" TOTAL DIAMETER) IF WELL IS NOT OTHERWISE SECURED BY SURFACE RESTORATION.
2. FOR OBSERVATION WELLS LOCATED WITHIN SURFACE SMPs, PVC CAP SHALL EXTEND 3" ABOVE MAXIMUM PONDING DEPTH.
3. OBSERVATION WELLS LOCATED IN UNPAVED AREAS (NO SURFACE SMPs) SHALL BE FLUSH WITH FINISHED GRADE.
4. OBSERVATION WELLS AREA TO BE LOCATED AS SHOWN ON PLANS.
5. FOR OBSERVATION WELLS LOCATED IN UNPAVED AREAS, PLACE THREE (3) LENGTHS OF REBAR EVENLY SPACED AROUND COLLAR, AND 3" FROM OUTER EDGE.

1 / C8.3 OBSERVATION WELL
SCALE: N.T.S.

PWD TRACKING No.

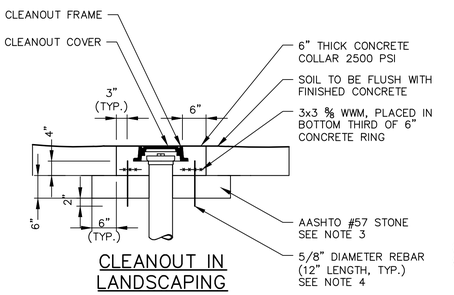
FY26-MCPH-8223-01

PLAN EXAMINER STAMP AREA:

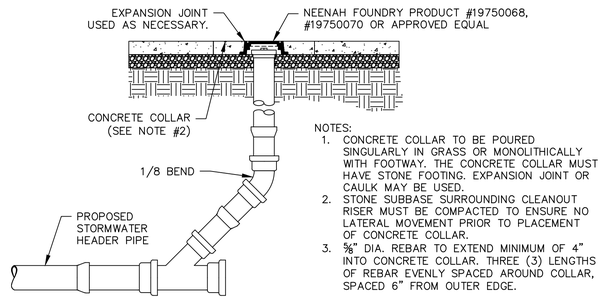


NOTES:
1. COMPLY WITH PENNDOT STANDARDS.
2. USE PRECAST PENNDOT INLET BOX TYPE 6 WITH 6'x6' INTERIOR DIMENSIONS AND 6" THICK WALLS.
3. SEAL INLET TRAP WITH NON-SHRINK, NON-METALLIC MORTAR. APPLY BITUMIN-TYPE SEALING COMPOUND TO JOINT.
4. PROPOSED INLET TRAP MUST BE AIR TIGHT.
5. WEIR WALLS MUST BE POURED MONOLITHICALLY.

2 / C8.3 OUTLET CONTROL STRUCTURE (OS-1)
SCALE: N.T.S.

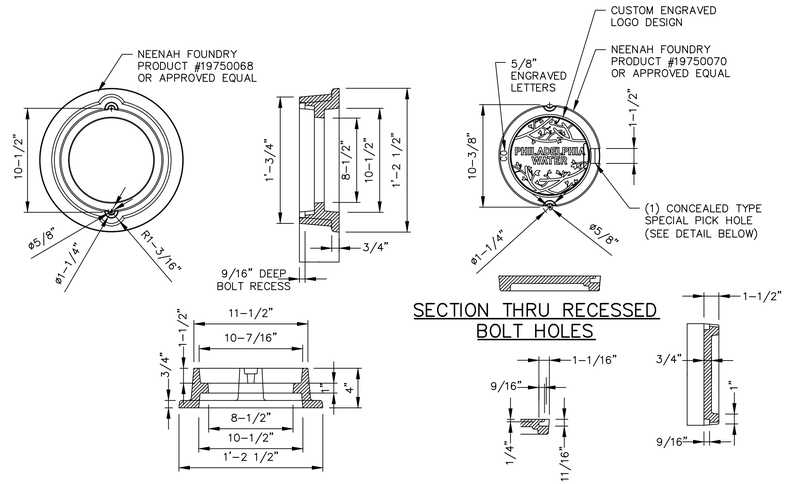


CLEANOUT IN LANDSCAPING



NOTES:
1. CONCRETE COLLAR TO BE POURED SINGULARLY IN GRASS OR MONOLITHICALLY WITH FOOTWAY. THE CONCRETE COLLAR MUST HAVE STONE FOOTING. EXPANSION JOINT OR CAULK MAY BE USED.
2. STONE SUBBASE SURROUNDING CLEANOUT RISER MUST BE COMPACTED TO ENSURE NO LATERAL MOVEMENT PRIOR TO PLACEMENT OF CONCRETE COLLAR.
3. ⅝" DIA. REBAR TO EXTEND MINIMUM OF 4" INTO CONCRETE COLLAR. THREE (3) LENGTHS OF REBAR EVENLY SPACED AROUND COLLAR, SPACED 6" FROM OUTER EDGE.

CLEANOUT IN FOOTWAY



3 / C8.3 CLEANOUT FRAME AND LID DETAIL
SCALE: N.T.S.

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1635 Market Street, Suite 1705
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530 Walnut Street, Suite 460
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DATE 04.08.2026	
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TREE PROTECTION NOTES

1. CONTRACTOR SHALL DOCUMENT EXISTING CONDITIONS OF EXISTING TREES AND PLANTINGS INDICATED TO REMAIN WITH DIGITAL PHOTOS AND/OR VIDEO, WHICH ESTABLISHES PRECONSTRUCTION CONDITIONS THAT MIGHT BE MISCONTRUED AS DAMAGE CAUSED BY CONSTRUCTION ACTIVITY. INCLUDE PLANS AND NOTATIONS TO INDICATE SPECIFIC WOUNDS AND DAMAGE CONDITIONS OF EACH TREE OR OTHER PLANTS DESIGNATED TO REMAIN.
2. LOCATE AND CLEARLY IDENTIFY TREES, SHRUBS AND OTHER VEGETATION TO REMAIN. FLAG EACH TREE TO REMAIN AT A HEIGHT OF 6-FEET +/- WITH DISTINCTIVE, HIGHLY VISIBLE COLOR FLAGGING TAPE. SUPERVISING CONTRACTOR AND/OR SITE FOREMAN IS RESPONSIBLE TO INSTRUCT AND MONITOR ALL LABORERS AND WORKERS ABOUT THE TREE PROTECTION REQUIREMENTS.
3. DEPARTMENT OF PARKS & RECREATION ARBORIST SHALL BE CONSULTED PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY. CONTRACTORS MUST COORDINATE ALL CONSTRUCTION ACTIVITY AFFECTING EXISTING TREES AND PLANTINGS INDICATED TO REMAIN WITH THE ARBORIST. ALL CONTRACTORS SHALL COMPLY WITH THE PROTECTION REQUIREMENTS SET FORTH BY THE CERTIFIED ARBORIST.
4. BRING ANY UNFORESEEN SITE CONDITIONS, SUCH AS STRUCTURAL ROOTS, THAT WILL IMPACT NEW CONSTRUCTION TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. DO NOT PROCEED WITH WORK WITHOUT WRITTEN AUTHORIZATION.
5. PROTECTION FENCING MUST BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WITH ANY DEMOLITION OR CONSTRUCTION WORK.
6. INSTALL PROTECTION FENCING BEFORE INSTALLING EROSION AND SEDIMENTATION CONTROLS. SILT FENCE IS PROHIBITED WITHIN PROTECTION ZONE. TRENCHING IS PROHIBITED IN TREE PROTECTION ZONES. FLOWS OF WATER REDIRECTED FROM CONSTRUCTION AREAS OR GENERATED BY CONSTRUCTION ACTIVITY ARE PROHIBITED FROM ENTERING OR CROSS PROTECTION ZONES.
7. WORK WITHIN PROTECTION FENCING, UNLESS NOTED HEREIN, MUST BE APPROVED BY AND SUPERVISED BY OWNER'S REPRESENTATIVE.
8. WHEN WORKING WITHIN TREE PROTECTION ZONES, USE CARE TO AVOID DAMAGE TO TREE TRUNKS AND ROOTS SUCH AS, BUT NOT LIMITED TO, IMPACT WOUNDS CAUSED BY EQUIPMENT. CONSULT A CERTIFIED ARBORIST IS DAMAGED TO AN PROTECTED TREE OCCURS.
9. LIMIT EXTENT OF EXCAVATION WITHIN PROTECTION ZONES TO THE GREATEST EXTENT FEASIBLE.
10. WHERE EXCAVATION IS REQUIRED IN PROTECTION ZONES TO INSTALL UTILITIES, HAND EXCAVATE AND/OR AIR-SPADE AROUND TREE ROOTS OR TUNNEL UNDER ROOTS BY DRILLING, AUGER BORING, OR PIPE JACKING. DO NOT CUT MAIN LATERIAL TREE ROOTS OR TAPROOTS. CUTTING OF SMALLER ROOTS BY A CERTIFIED ARBORIST THAT INTERFERE WITH INSTALLATION OF UTILITIES IS PERMITTED.
11. TRENCHING OR EXCAVATION WITHIN THE DRIPLINE OF EXISTING TREES SHALL BE COMPLETED WITH EXTREME CARE AND UNDER THE SUPERVISION OF A CERTIFIED ARBORIST. USE HAND TOOLS ONLY. ARBORIST SHALL BE PRESENT DURING ALL WORK DONE WITHIN DRIPLINE OF EXISTING TREES. NOTIFY OWNER PRIOR TO COMMENCEMENT OF WORK WITHIN DRIPLINE OF TREES.
12. WHERE EXSITING ROOTS OF TREES TO REMAIN ARE ENCOUNTERED WITHIN EXCAVATION AREAS, DO NOT ALLOW EXPOSED ROOTS TO DRY OUT PRIOR TO PLACING PERMANENT BACKFILL.
13. EXERCISE EXTREME CAUTION IN REMOVING PAVEMENT WITHIN DRIPLINE OF EXISTING TREES TO REMAIN.
14. MAINTAIN EXISTING GRADES WITHIN THE PROTECTION ZONE TO THE GREATEST EXTENT FEASIBLE. DO NOT LOWER OR RAISE GRADES MORE THAN 2-INCHES WITHIN PROTECTION ZONE. HAND-GRADE TO REQUIRED FINISHED ELEVATIONS WITH PROTECTION ZONES.
15. WHEN DIRECTED BY CERTIFIED ARBORIST, AERATE SURFACE SOIL COMPACTED DURING CONSTRUCTION. AERATE TO EXTENT AS DIRECTED BY ARBORIST AND NO CLOSER THAN 36-INCHES TO TREE TRUNK. DRILL 2-INCH DIAMETER HOLES A MINIMUM OF 12-INCHES DEEP AT 24-INCHES ON CENTER. BACKFILL HOLES WITH APPROVED COMPOST.
16. REPLACE TREES, SHRUBS AND OTHER VEGETATION INDICATED TO REMAIN THAT ARE DAMAGED BY CONSTRUCTION OPERATIONS, IN A MANNER APPROVED BY THE OWNER'S REPRESENTATIVE WHEN GREATER THAN OR EQUAL TO 25% OF THE PLANT IS DEAD OR IN AN UNHEALTHY CONDITION AND OWNER'S REPRESENTATIVE DETERMINES ARE INCAPABLE OF RESTORING TO NORMAL GROWTH. PROVIDE NEW TREES OF THE SAME SIZE AND APPROVED SPECIES FOR EACH TREE THAT MEASURES 6-INCHES IN CALIPER SIZE OR SMALLER. WHERE THE TREE TO BE REPLACED EXCEEDS 6-INCHES IN CALIPER, PROVIDE TWO (2) 8-INCH CALIPER TREES OF AN APPROVED SPECIES AT A LOCATION DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
17. PROTECT ROOT SYSTEMS FROM PONDING, ERODING, OR EXCESSIVE WETTING CAUSED BY DEWATERING OPERATIONS.
18. DO NOT PARK VEHICLES OR EQUIPMENT WITH PROTECTION ZONES.
19. CERTIFIED ARBORIST MAY REQUIRE CROWN PRUNING TO COMPENSATE FOR ROOT LOSS CAUSED BY DAMAGING OR CUTTING OF THE ROOT SYSTEM. PROVIDE SUBSEQUENT MAINTENANCE DURING CONTRACT PERIOD AS RECOMMENDED BY ARBORIST.
20. OWNER'S REPRESENTATIVE MAY REQUIRE ADDITIONAL PROTECTION FENCING OR RELOCATION OF FENCING AS WORK PROGRESSES.
21. AVOID DAMAGING EXISTING TREES. DAMAGE INCLUDES BUT IS NOT LIMITED TO: CUTTING, BREAKING, SKINNING OR COMPACTING OF ROOTS, SKINNING AND BRUISING OF BARK AND BREAKING OF BRANCHES AND LIMBS.
22. DO NOT ATTACH SIGNS TO OR AROUND TREES OR PLANTS TO REMAIN UNLESS OTHERWISE INDICATED.
23. DO NOT ALLOW ROOTS TO DRY OUT BEFORE PLACING PERMANENT BACKFILL. PROVIDE TEMPORARY EARTH COVER AND/OR WRAP WITH MOIST BURLAP. WATER AND MAINTAIN IN MOIST CONDITION. TEMPORARILY SUPPORT AND PROTECT ROOTS FROM DAMAGE UNTIL THEY ARE PERMANENTLY RELOCATED AND/OR COVERED WITH SOIL.
24. PROTECTION-ZONE SIGNAGE: "TREE PROTECTION AREA - DO NOT ENTER" 3-INCH HIGH MINIMUM LETTER SIZE, RED CHARACTERS ON WHITE BACKGROUND. INSTALL ALONG TOP OF PROTECTION FENCING SPACED EVERY 50-FEET AND/OR EACH SIDE OF PROTECTION ZONE.
25. REFER TO SPECIFICATION 015639 TEMPORARY TREE AND PLANT PROTECTION FOR ADDITIONAL INFORMATION.
26. TEMPORARY REMOVAL OF PROTECTION-ZONE FENCING IS ALLOWED IN ORDER TO COMPLETE WORK. FOLLOW SPECIFICATIONS FOR ALL AREAS SHOWN WITHIN TREE PROTECTION FENCE ON DRAWINGS, EVEN IF THE FENCE IS REMOVED TEMPORARILY. FENCE SHALL BE REPLACED IMMEDIATELY UPON COMPLETION OF WORK.

DEMOLITION LEGEND - BASE BID

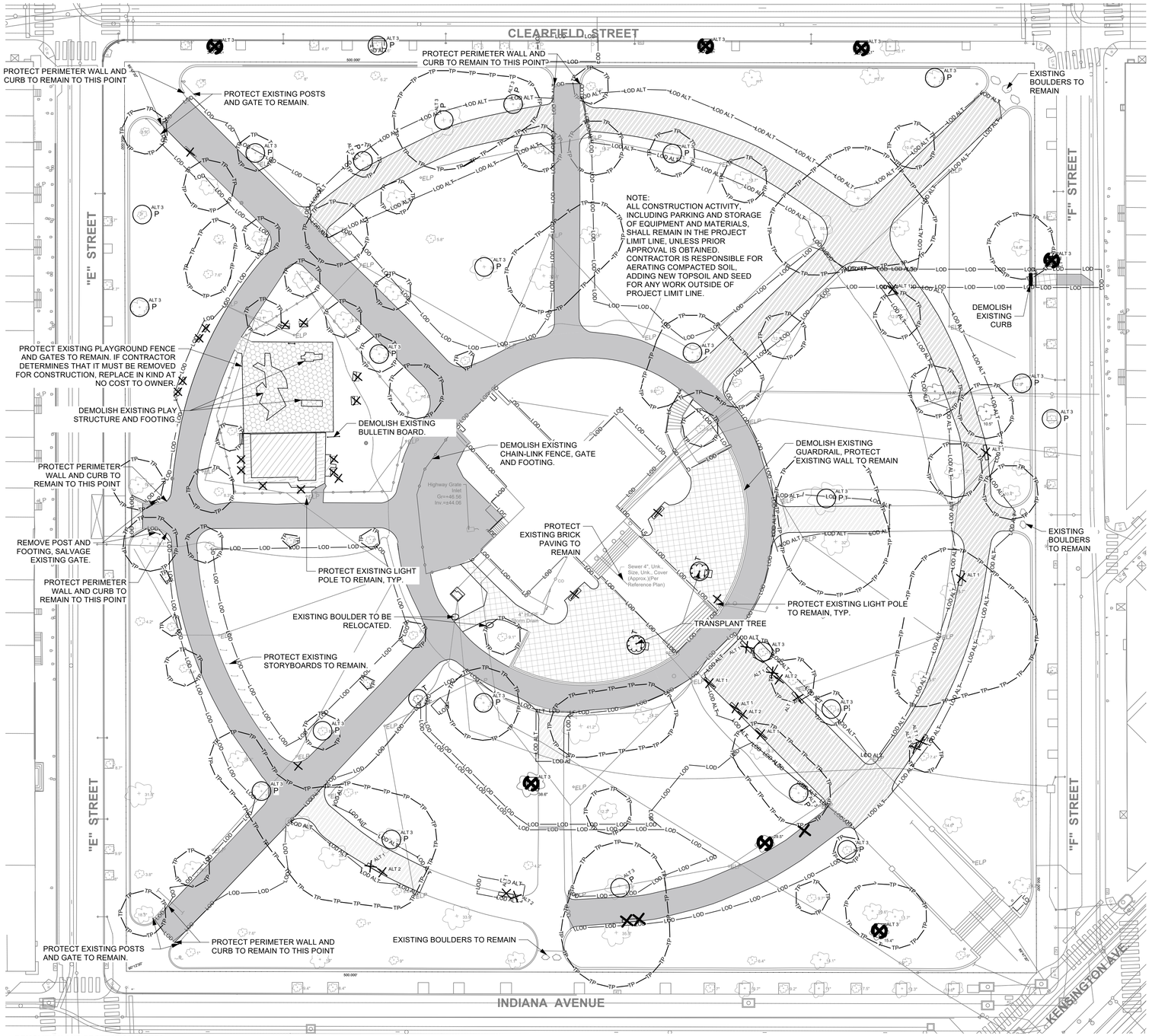
- LOD — LO — LIMIT OF DISTURBANCE
- TP — TP — TREE PROTECTION FENCE, REFER TO 2/L603
- EXISTING ASPHALT PAVING WITH CONCRETE SUBBASE & ADJACENT CURB TO BE REMOVED
- EXISTING CONCRETE & SUBBASE, TO BE REMOVED
- EXISTING PLAY AREA SAFETY SURFACE & SUBBASE, TO BE REMOVED
- EXISTING CONCRETE PAVERS & SUBBASE, TO BE REMOVED
- EXISTING WOOD BOARDWALK, TO BE REMOVED
- EXISTING BENCH, TO BE REMOVED
- EXISTING CHAIN-LINK FENCE, TO BE REMOVED
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING TREE, TO BE TRANSPLANTED

DEMOLITION LEGEND - ADD ALTERNATE

- LOD ALT — LIMIT OF DISTURBANCE- ADD ALTERNATE
- EXISTING ASPHALT PAVING WITH CONCRETE SUBBASE & ADJACENT CURB TO BE REMOVED, ADD ALTERNATE 6
- ALT 1 — EXISTING BENCH, TO BE REMOVED- ADD ALTERNATE 1
- ALT 2 — EXISTING TRASH RECEPTACLE, TO BE REMOVED- ADD ALTERNATE 2
- ALT 3 — EXISTING TREE, TO BE REMOVED- ADD ALTERNATE 3
- ALT 3 P — EXISTING TREE, TO BE PRUNED- ADD ALTERNATE 3

NOTES:
ADD ALTERNATE 1:
DEMOLISH (12) EXISTING BENCHES OUTSIDE PROJECT LIMIT LINE.
ADD ALTERNATE 2:
DEMOLISH (5) EXISTING TRASH RECEPTACLES OUTSIDE PROJECT LIMIT LINE.
ADD ALTERNATE 3:
A. REMOVE EXISTING TREES OUTSIDE PROJECT LIMIT LINE.
B. PRUNE TREES OUTSIDE PROJECT LIMIT LINE.
ADD ALTERNATE 6:
DEMOLISH PAVING AT MIDWAY PATH TO KENSINGTON, FULL LENGTH OF PATH TO THE CORNER OF CLEARFIELD AND F STREET, PORTIONS OF CIRCULAR PATH, AND TREE DISCONNECTS

PLAN EXAMINER STAMP AREA:



DEMOLITION AND PROTECTION NOTES:
1. REMOVE ALL PAVEMENT, BASE MATERIALS AND/OR CONSTRUCTION DEBRIS AND EXCAVATE REMAINING SOIL/FILL TO A MINIMUM OF 24" BELOW EXISTING GRADE IN ALL AREAS WHERE EXISTING PAVEMENTS ARE TO BE REMOVED AND REPLACED WITH LAWN AND/OR PLANTING.
2. NOTIFY OWNER AND RECEIVE APPROVAL PRIOR TO REMOVAL OF SIGNS.

GENERAL NOTES:
1. DO NOT SCALE DRAWINGS.
2. THE CONTRACTOR SHALL HAVE ALL REQUIRED SUBMITTAL APPROVALS PRIOR TO BEGINNING THE WORK OR ORDERING MATERIALS.
3. THE CONTRACTOR SHALL VERIFY ALL INVERTS, DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH WORK. DISCREPANCIES BETWEEN THE DOCUMENTS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND RESOLVED PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY, PROCEDURES, MEANS AND METHODS, SEQUENCING, SCHEDULE AND COORDINATION FOR WORK SHOWN IN THE DOCUMENTS.
5. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARHITECT OF UNFORESEEN CONDITIONS THAT ARE UNCOVERED OR EXPOSED DURING THE WORK.
6. FIELD CHANGES REQUIRE OWNER, OWNER REPRESENTATIVE AND DESIGN PROFESSIONAL REVIEW. WRITTEN CONFIRMATION IS REQUIRED TO PROCEED WITH FIELD CHANGES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT TO ANY SIDEWALK, LAWN, TREES, PAVING, AND OTHER IMPROVEMENTS DISTURBED OR DAMAGED BY THE CONSTRUCTION OR DEMOLITION ACTIVITIES PROPOSED HEREIN.
8. THE CONTRACTOR SHALL PROVIDE THE LAYOUT, LINE AND GRADE UNLESS OTHERWISE NOTED.
9. CONTRACTOR SHALL VERFIY THE STRUCTURAL CONDITIONS OF AFFECTED AREAS AND UTILIZE APPROPRIATE METHODS IN ORDER TO ASSURE STRUCTURAL INTEGRITY OF THE REMAINING STRUCTURAL COMPONENTS PRIOR TO DEMOLITION AND/OR EXCAVATION. DO NOT UNDERMINE STRUCTURAL INTEGRITY OF EXISTING STRUCTURES.

UTILITY COORDINATION NOTES:
1. CONTACT OR NOTIFY APPLICABLE UTILITY COMPANIES FOR TERMINATION OF SERVICE OR CHANGES TO EXISTING SERVICE.
2. CONTACT THE PENNSYLVANIA ONE CALL SYSTEM, 800-242-1776 NOT LESS THAN 3 DAYS NOR MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION.
3. PROVIDE PROTECTION AND MAINTAIN ALL EXISTING UTILITIES. IMMEDIATELY REPAIR ANY UTILITY LINE INTERRUPTION AT NO ADDITIONAL CONTRACT COST. PROVIDE ADEQUATE PROTECTION AND SUPPORT FOR ALL UTILITIES EXPOSED DURING THE WORK TO INSURE AGAINST DAMAGE AT NO ADDITIONAL CONTRACT COST.
4. THE EXTENT, EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES HAS NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. ALL CONTRACTORS AND DESIGNERS SHALL COMPLY WITH THE REQUIREMENTS OF PENNSYLVANIA ACT 287 AND ALL AMENDMENTS.
5. VERIFY THE EXACT LOCATION AND ELEVATIONS OF ALL UNDERGROUND UTILITIES AND OTHER STRUCTURES BEFORE STARTING WORK.

REVISIONS

ISSUE	DATE	REVISIONS

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PENNSYLVANIA — REGISTERED LANDSCAPE ARCHITECT — REGISTRATION NUMBER — LA000642

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
DEMOLITION & PROTECTION PLAN

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. L100
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JX/JB	
CHECKED BY JB	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

PLAY EQUIPMENT SCHEDULE

SYMBOL	MFR	QTY	PRODUCT NAME
A	BURKE	1	NUCLEUS NU-3200
B	BURKE	1	SWIFT TWIST
C	BURKE	1	5" ARCH SWING (2 TODDLER, 2 BELT, 1 ADA)
D	BURKE	1	ORB ROCKER
E	BURKE	1	LEVEL X LAUNCH
F	BURKE	1	STEMPLAY BB-3293

PAVEMENT MARKING NOTES

1. PROVIDE THERMOPLASTIC PAVEMENT MARKINGS. REFER TO SPECIFICATION 321723 - PAVEMENT MARKING
   a. FOUR SQUARE
   b. MIRROR ME GAME
   c. HOPSCOTCH
   d. JUMPING RULER

MATERIALS LEGEND - BASE DESIGN

—LOD—LO LIMIT OF DISTURBANCE

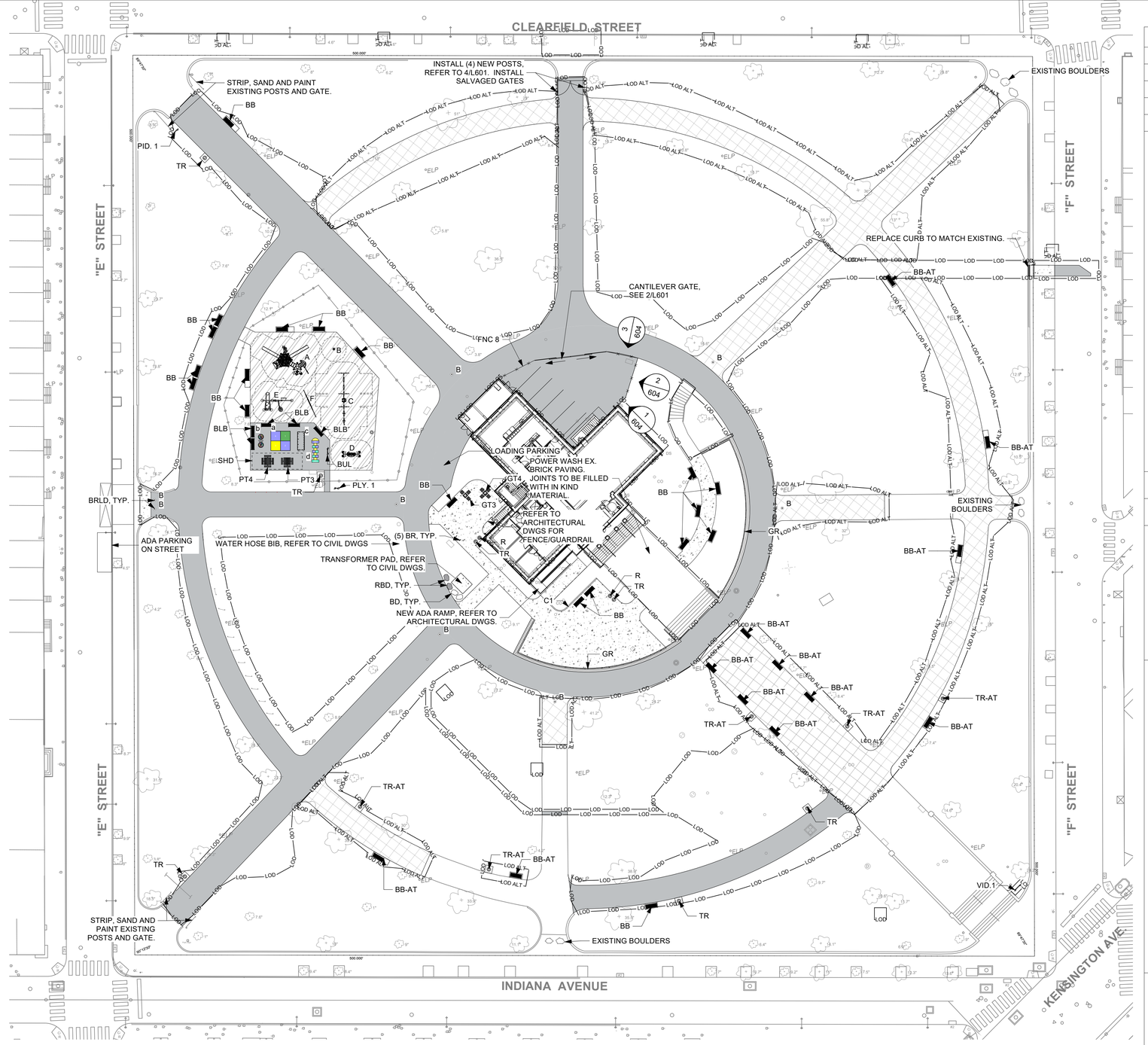
DETAIL	KEY	GRAPHIC	DESCRIPTION
1/L600			CONCRETE
SEE CIVIL DWGS			ASPHALT
3,4,5,6/L600			SAFETY SURFACE MIX
1/L602	BB		BACKED BENCH
1/L602	BLB		BACKLESS BENCH
4/L602	PT3		PICNIC TABLES (3-SEAT, ADA ACCESSIBLE)
4/L602	PT4		PICNIC TABLES (4-SEAT)
3/L602	GT3		GAME TABLES (3-SEAT, ADA ACCESSIBLE)
3/L602	GT4		GAME TABLES (4-SEAT)
2/L602	TR		TRASH RECEPTACLE
2/L602	R		RECYCLING RECEPTACLE
6/L602	BR		BIKE RACK
5/L602	RBD		RELOCATED BOULDER
5/L602	BD		BOULDER
2/L600	C1		CIP CONCRETE CURB, TYPE 1
3/L601	FNC8		WIRE MESH FENCE, 8' H
2/L601	GR		GUARDRAIL
7/L601	PLY. 1		PLAYGROUND SIGN
5/L601	BUL		BULLETIN BOARD
6/L601	PID. 1		PARK SIGN
8/L601	VID. 1		PARK SIGN
8/L602	BLRD	B	REMOVABLE BOLLARD

MATERIALS LEGEND - ADD ALTERNATE

– LOD ALT– —— LIMIT OF DISTURBANCE- ADD ALTERNATE

DETAIL	KEY	GRAPHIC	DESCRIPTION
1/L602	BB-AT		BACKED BENCH ADD ALTERNATE 1
SEE CIVIL DWGS			ASPHALT ADD ALTERNATE 6
2/L602	TR-AT		TRASH RECEPTACLE ADD ALTERNATE 2
7/L600	SHD		SHADE STRUCTURE ADD ALTERNATE 5

NOTES:
ADD ALTERNATE 1:
INSTALL (12) NEW BENCHES OUTSIDE PROJECT LIMIT LINE.
ADD ALTERNATE 2:
INSTALL (5) NEW TRASH RECEPTACLES OUTSIDE PROJECT LIMIT LINE.
ADD ALTERNATE 5:
INSTALL SHADE STRUCTURE AT PICNIC AREA.
ADD ALTERNATE 6:
INSTALL ASPHALT PAVING AT MIDWAY PATH TO KENSINGTON, FULL LENGTH OF PATH TO THE CORNER OF CLEARFIELD AND F STREET, PORTIONS OF CIRCULAR PATH, AND TREE DISCONNECTS



PLAN EXAMINER STAMP AREA:

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PROJECT COORDINATOR
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SEALS

PENNSYLVANIA — REGISTERED LANDSCAPE ARCHITECT

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

MATERIALS PLAN

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. L200
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JX/JB	
CHECKED BY JB	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

JOINTING LEGEND

-- LOD ALT-- LIMIT OF DISTURBANCE- ADD ALTERNATE

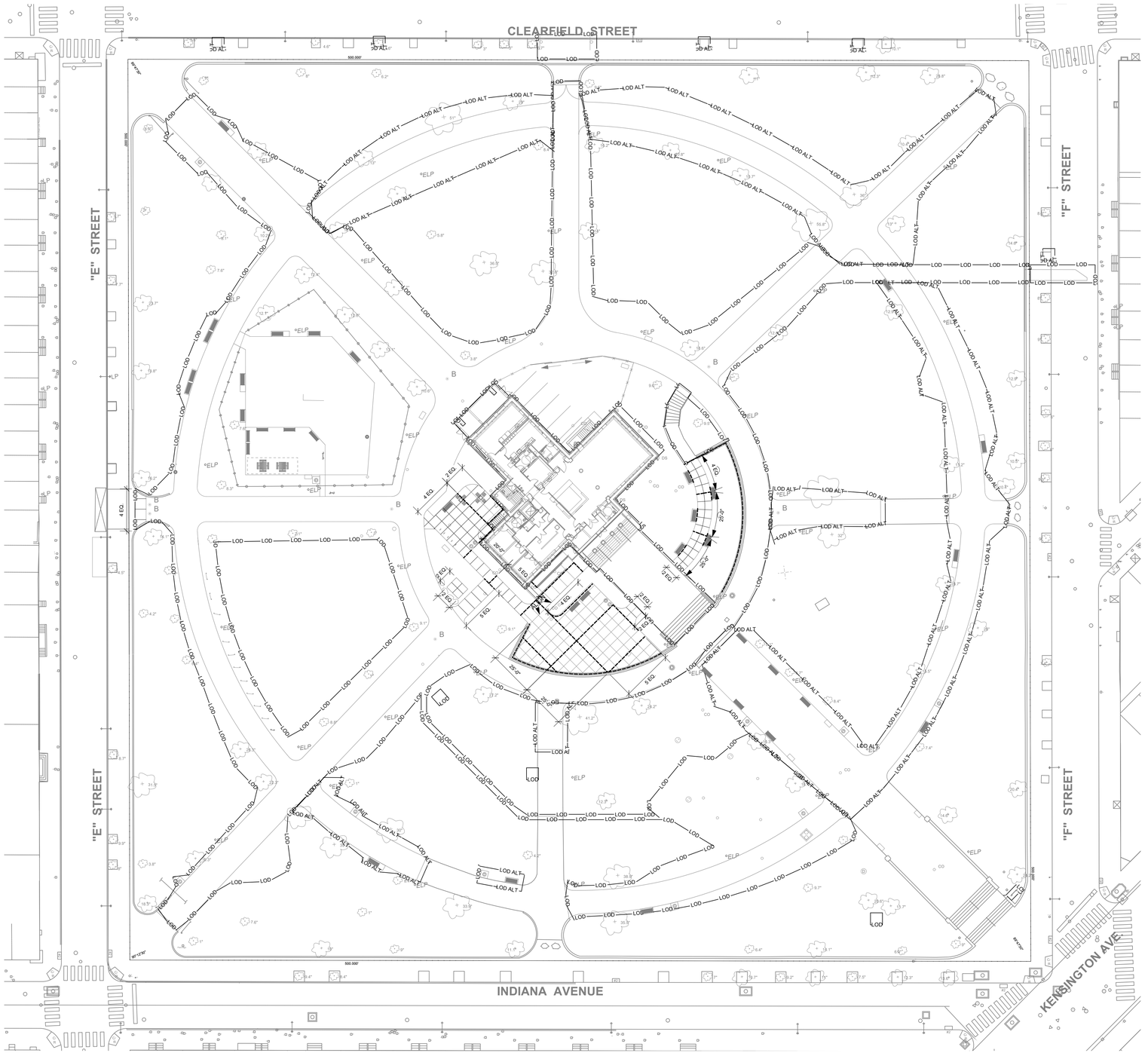
---------- ISOLATION JOINT

———— CONTRACTION JOINT

NOTES

1. PROVIDE ISOLATION JOINT BETWEEN CONCRETE PAVING AND ANY FIXED OBJECT OR STRUCTURE INCLUDING, BUT NOT LIMITED TO, CURBS, FACES OF BUILDING, UTILITY STRUCTURES (I.E. MANHOLES, INLETS, VENTS, ETC.), FOUNDATIONS (I.E. POLE LIGHTS, BOLLARDS, ETC.).

PLAN EXAMINER STAMP AREA:



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ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

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CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
JOINTING PLAN

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. L300
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JX/JB	
CHECKED BY JB	FILE:

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

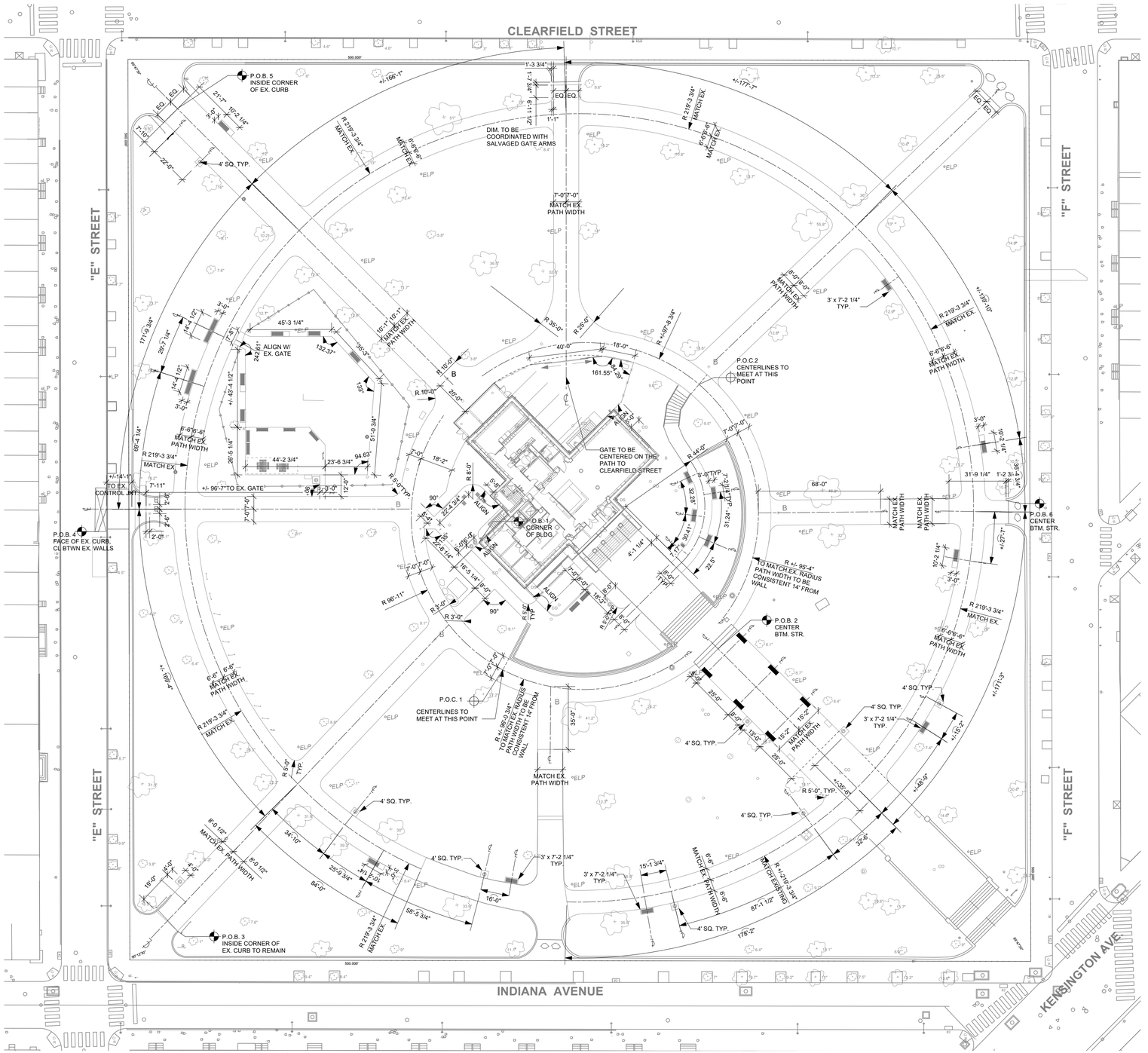
LAYOUT LEGEND

- CENTER LINE
- REFERENCE LINE
- x'-x" — LINEAR DIMENSION
- X° / R x'-x" — ANGULAR DIMENSION
- RADIAL DIMENSION
- P.O.B. — POINT OF BEGINNING
- P.O.C. — POINT OF CURVATURE

LAYOUT NOTES

1. ALL LINES ARE PARALLEL OR PERPENDICULAR UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE SHOWN TO FACE OF MATERIALS, UNLESS SHOWN OTHERWISE.
3. V.I.F. = VERIFY IN FIELD: VERIFY ALL DIMENSIONS FROM FIELD MEASUREMENTS. VERIFY LAYOUT OF ALL PROPOSED WORK WITH EXISTING CONDITIONS. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH ANY WORK.
4. PROVIDE STAKED LAYOUT FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.

PLAN EXAMINER STAMP AREA:



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SEALS

PENNSYLVANIA — REGISTERED LANDSCAPE ARCHITECT — REGISTRATION NUMBER — LA000940

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

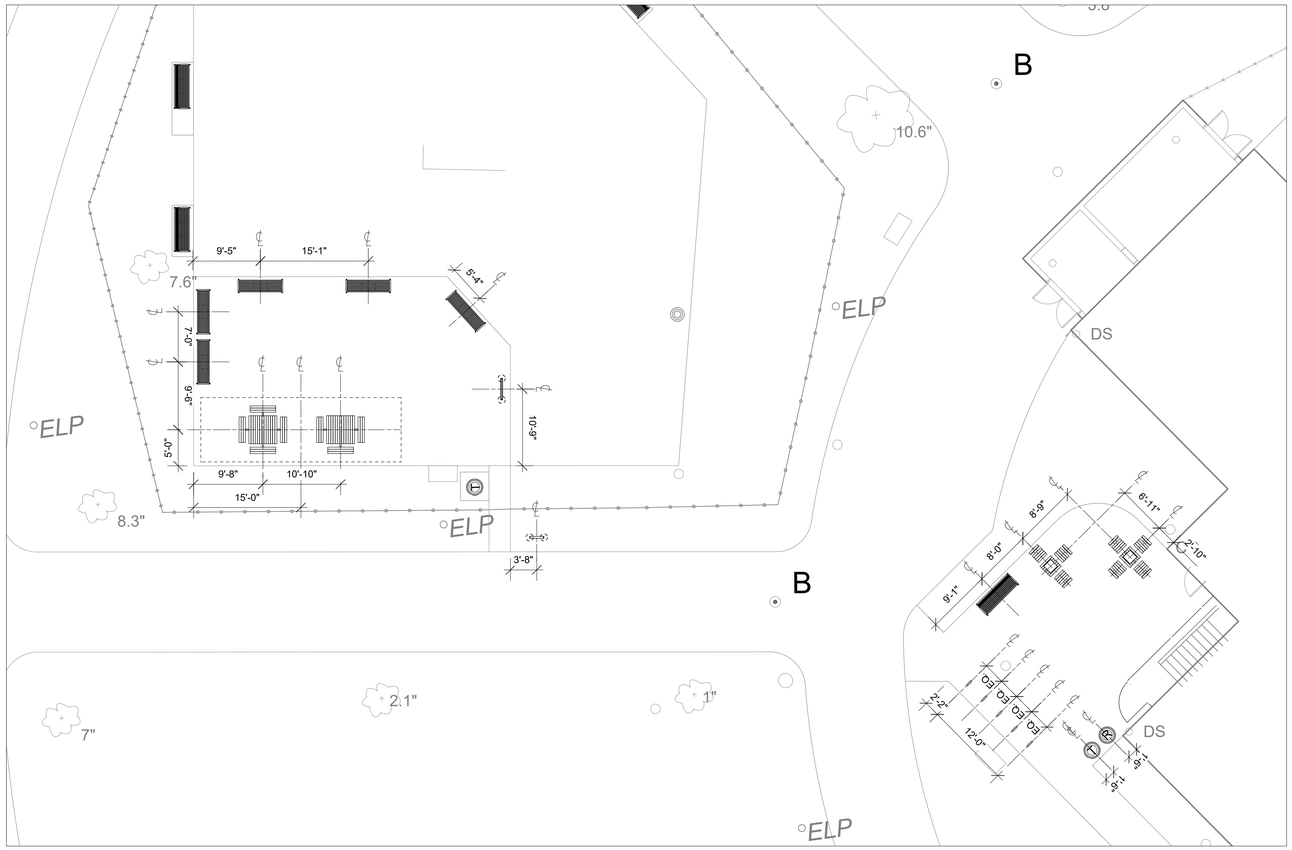
CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

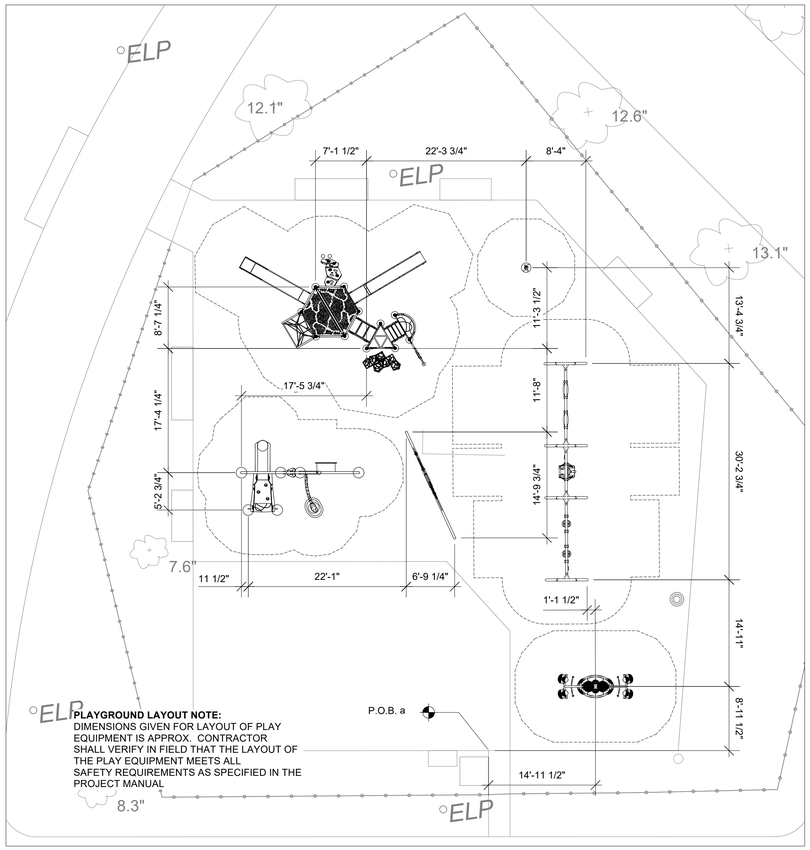
DRAWING TITLE
LAYOUT PLAN_OVERALL

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO. L400
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: JX/JB	
CHECKED BY: JB	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



3 LAYOUT PLAN - PICNIC AREA & STAFF ENTRANCE FURNISHING
Scale: 1" = 10'-0"



PLAYGROUND LAYOUT NOTE:
DIMENSIONS GIVEN FOR LAYOUT OF PLAY EQUIPMENT IS APPROX. CONTRACTOR SHALL VERIFY IN FIELD THAT THE LAYOUT OF THE PLAY EQUIPMENT MEETS ALL SAFETY REQUIREMENTS AS SPECIFIED IN THE PROJECT MANUAL

1 LAYOUT PLAN - PLAYGROUND
Scale: 1" = 10'-0"

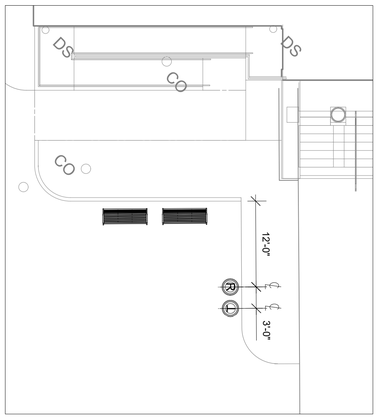
PLAN EXAMINER STAMP AREA:

LAYOUT LEGEND

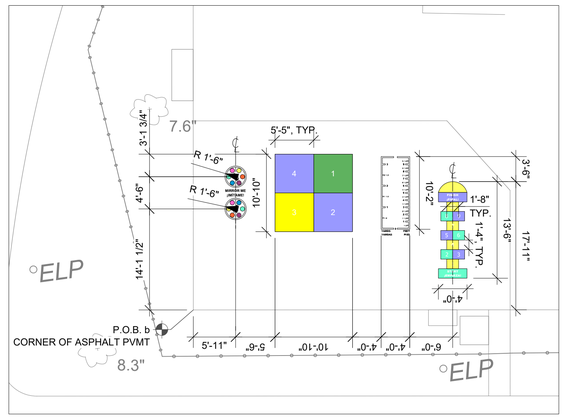
- CENTER LINE
- REFERENCE LINE
- x'-x" LINEAR DIMENSION
- X° ANGULAR DIMENSION
- R x'-x" RADIAL DIMENSION
- P.O.B. POINT OF BEGINNING
- P.O.C. POINT OF CURVATURE

LAYOUT NOTES

1. ALL LINES ARE PARALLEL OR PERPENDICULAR UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE SHOWN TO FACE OF MATERIALS, UNLESS SHOWN OTHERWISE.
3. V.I.F. = VERIFY IN FIELD: VERIFY ALL DIMENSIONS FROM FIELD MEASUREMENTS. VERIFY LAYOUT OF ALL PROPOSED WORK WITH EXISTING CONDITIONS. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH ANY WORK.
4. PROVIDE STAKED LAYOUT FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.



4 LAYOUT PLAN - LIBRARY PLAZA
Scale: 1" = 10'-0"



2 LAYOUT PLAN - PAVEMENT MARKINGS
Scale: 1" = 10'-0"

N

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PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
LAYOUT PLAN_ENLARGEMENT

PROJECT NO. (CITY / SMP) 52025-E-06-01 | 718.10	DRAWING NO. L401
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JX/JB	
CHECKED BY JB	FILE

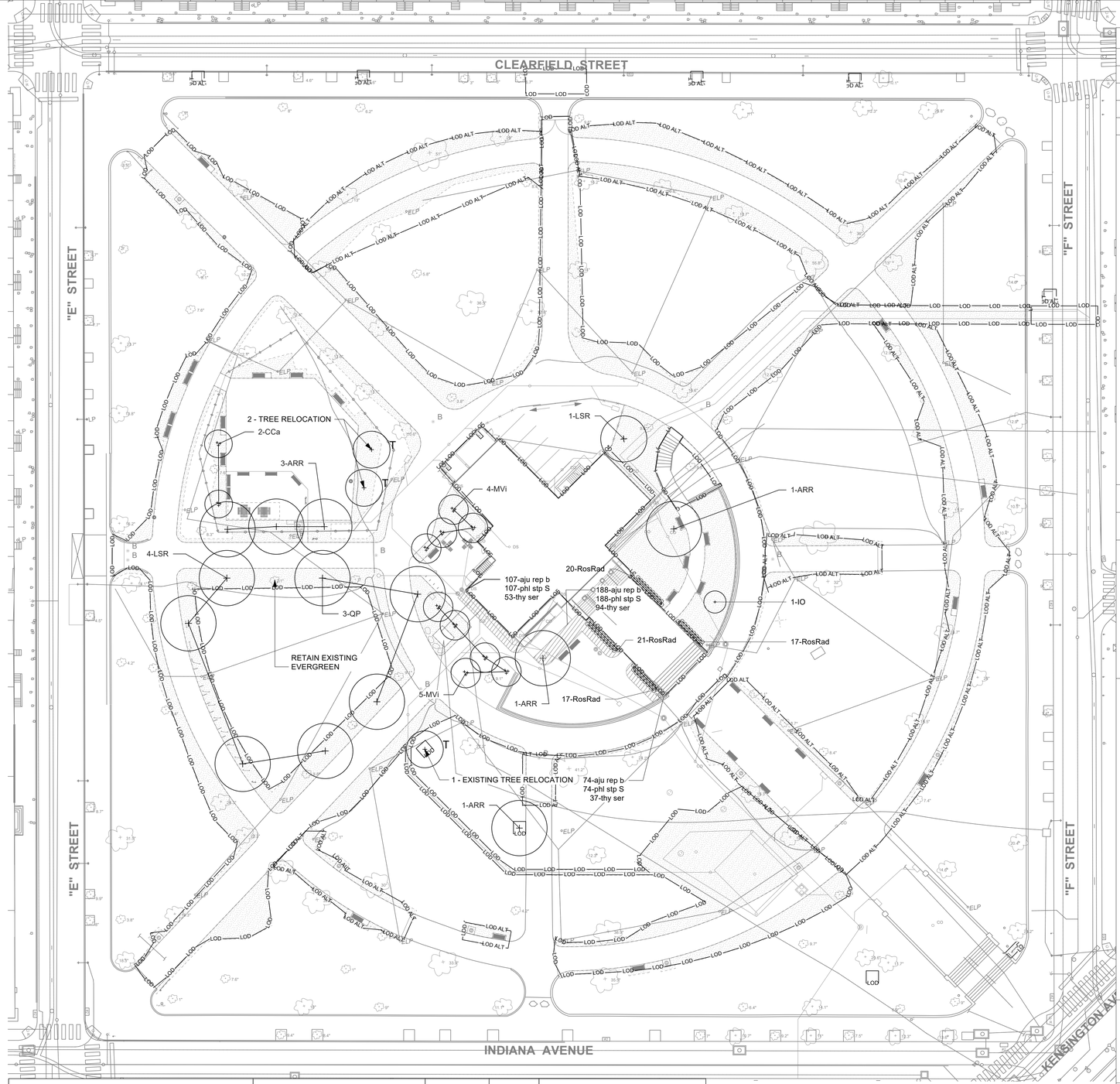
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

PLANTING LEGEND

LOD — LOD	LIMIT OF DISTURBANCE
LOD ALT	LIMIT OF DISTURBANCE- ADD ALTERNATE
	EXISTING TREE
	PROPOSED CANOPY TREE, REFER TO DETAIL 1/L603
	PROPOSED UNDERSTORY TREE, REFER TO DETAIL 1/L603
T	TRANSPLANTED TREE
	PROPOSED SHRUB, REFER TO DETAIL 4/L603
	PROPOSED GROUNDCOVER, REFER TO DEATILS 3 AND 5/L603
	PROPOSED LAWN, REFER TO DETAIL 6/L603

NOTES:
1. ASSUME MIN. 2' ON BOTH SIDES OF NEW PATHS TO RECEIVE NEW TOPSOIL AND SEED.
2. SEED ALL THE DISTURBED AREAS. REFER TO SPECIFICATION SECTION 329200 FOR MORE INFORMATION.
3. REFER TO SPECIFICATION SECTION 329300 FOR TREE MULCHING.

PLAN EXAMINER STAMP AREA:



PLANT SCHEDULE

Qty	Id	*Botanical Name*	Common Name	Size	Spacing	Notes
Canopy Trees						
6	ARR	*ACER RUBRUM 'RED SUNSET'*	RED SUNSET RED MAPLE	2 1/2" - 3"CAL.	AS SHOWN	SPECIMEN QUALITY, B&B
5	LSR	*LIQUIDAMBAR STYRACIFLUA 'ROTUNDILOBA'*	ROUND-LOBED SWEETGUM	2 1/2" - 3"CAL.	AS SHOWN	SPECIMEN QUALITY, B&B
3	QP	*QUERCUS PHELLOS*	WILLOW OAK	2 1/2" - 3"CAL.	AS SHOWN	SPECIMEN QUALITY, B&B
Understory Trees						
2	CCa	*CERCIS CANADENSIS*	EASTERN REDBUD	8' - 10' HT.	AS SHOWN	SPECIMEN QUALITY, B&B, MULTISTEM
9	MVi	*MAGNOLIA VIRGINIANA*	SWEET BAY MAGNOLIA	8' - 10' HT.	AS SHOWN	SPECIMEN QUALITY, B&B, MULTISTEM
Evergreen Trees						
1	IO	*ILEX OPACA*	AMERICAN HOLLY	10' - 12' HT.	AS SHOWN	SPECIMEN QUALITY, B&B
Shrubs						
75	RosRad	*ROSA X 'RADRAZZ'*	KNOCK OUT SHRUB ROSE	#3	AS SHOWN	
Ground cover						
443	aju rep b	*AJUGA REPTANS 'BRONZE BEAUTY'*	BRONZE BEAUTY BUGLEWEED	4" pot	12" o.c.	
443	phl stp S	*PHLOX STOLONIFERA 'SHERWOOD PURPLE'*	SHERWOOD PURPLE CREEPING PHLOX	#1	12" o.c.	
221	thy ser	*THYMUS SERPYLLUM*	CREEPING THYME	#1	12" o.c.	

0 30 60 90 FT

N

REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
Planting Plan

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. L500
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JX/JB	
CHECKED BY JB	FILE

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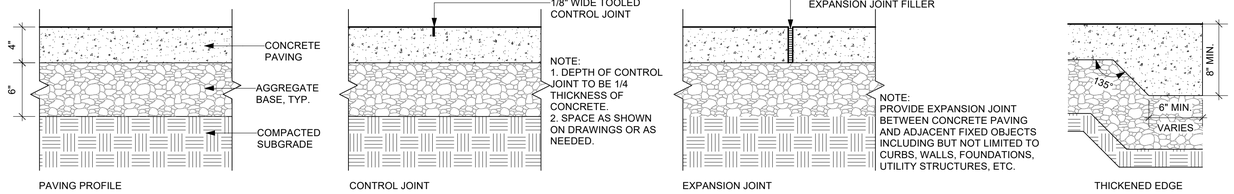
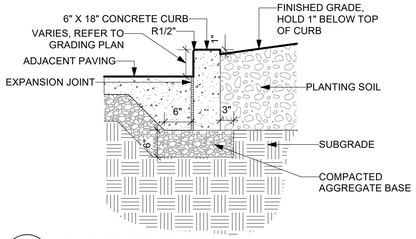


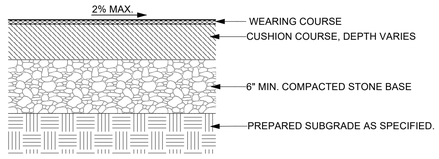
1 L600 **CONCRETE PAVING**
Scale: 1 1/2" = 1'-0"



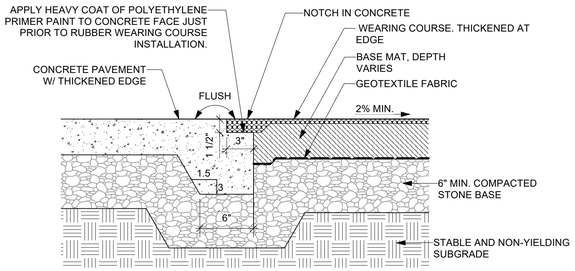
2 L600 **C.I.P. CURB, TYPE 1**
Scale: 3/4" = 1'-0"

NOTE:

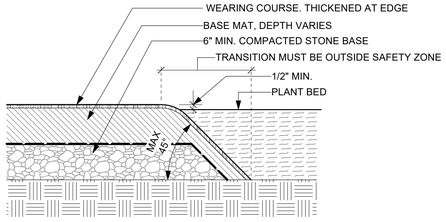
1. SAFETY SURFACE DEPTH MUST MEET OR EXCEED THAT WHICH IS REQUIRED TO MEET THE CRITICAL FALL HEIGHT CRITERIA OF EACH PIECE OF EQUIPMENT PER PPR STANDARDS, ASTM-F1292-04 & ASTM-F1292-13, OR MOST RECENT EDITION STANDARD.



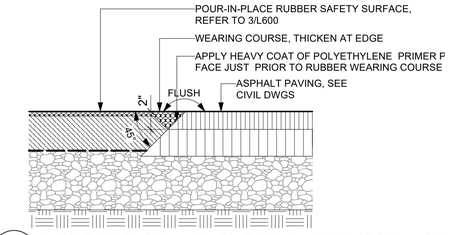
3 L600 **POUR-IN-PLACE RUBBER SAFETY SURFACE, TYP.**
Scale: 1 1/2" = 1'-0"



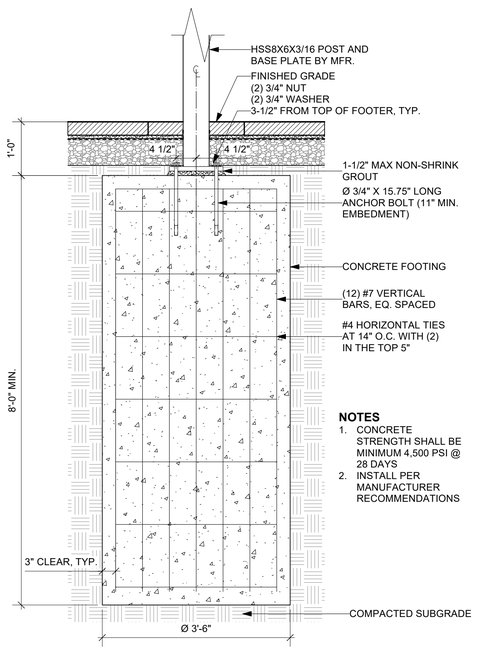
4 L600 **POUR-IN-PLACE RUBBER SAFETY SURFACE / CONCRETE TRANSITION**
Scale: 1 1/2" = 1'-0"



5 L600 **POUR-IN -PLACE SAFETY SURFACE/PLANTING TRANSITION**
Scale: 1 1/2" = 1'-0"

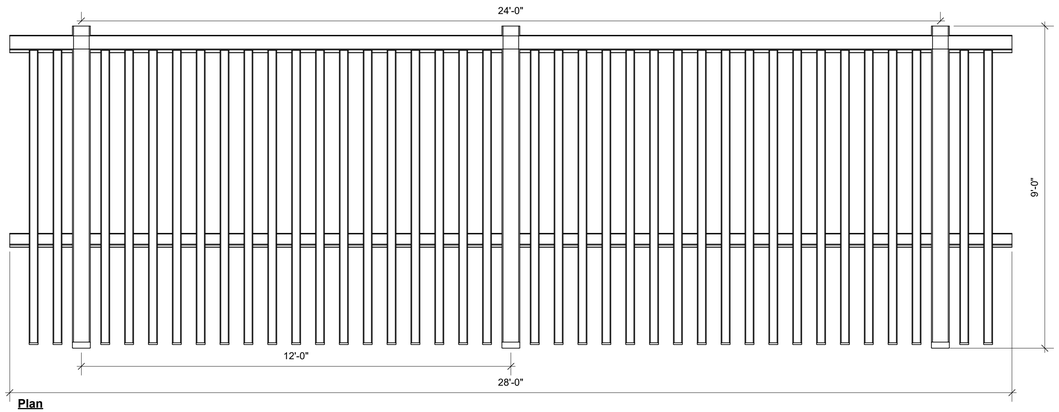


6 L600 **POUR-IN-PLACE RUBBER SAFETY SURFACE / ASPHALT TRANSITION**
Scale: 1 1/2" = 1'-0"

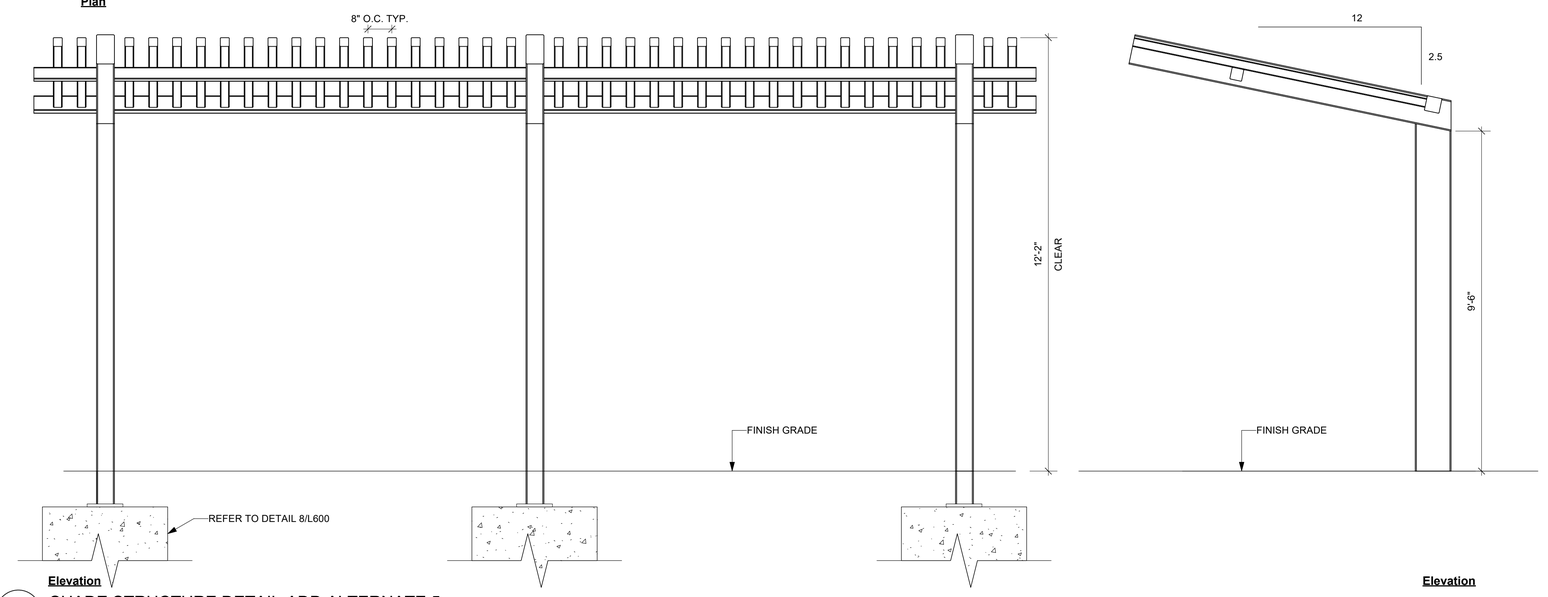


NOTES
1. CONCRETE STRENGTH SHALL BE MINIMUM 4,500 PSI @ 28 DAYS
2. INSTALL PER MANUFACTURER RECOMMENDATIONS

8 L600 **SHADE STRUCTURE FOOTING-ADD ALTERNATE 5**
Scale: 3/4" = 1'-0"



Plan



Elevation **Elevation**

7 L600 **SHADE STRUCTURE DETAIL-ADD ALTERNATE 5**
Scale: 1/2" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS		
ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

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215 625 0099

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KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

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Philadelphia, PA 19123
215 790 0727

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13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
SITE DETAILS

PROJECT NO. (CITY / SMP) 52025-E-06-01 | 718.10	DRAWING NO. L600
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JX/JB	
CHECKED BY JB	FILE

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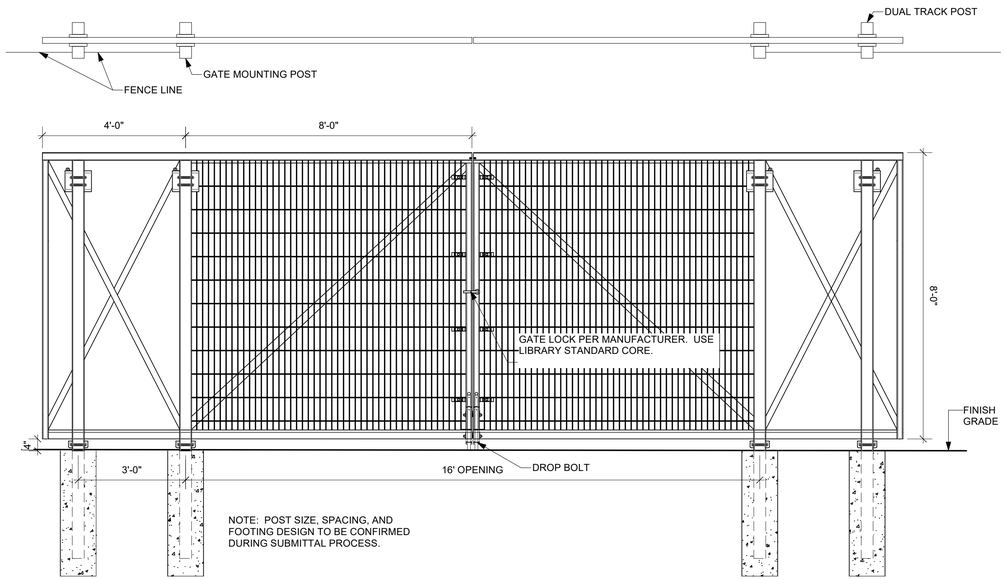
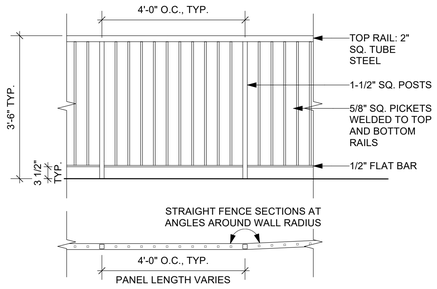
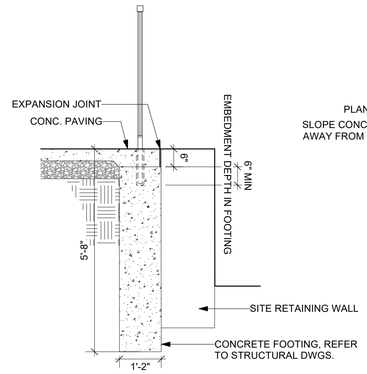


1 / L601 DOUBLE CANTILEVER SLIDE GATE
Scale: 1/2" = 1'-0"

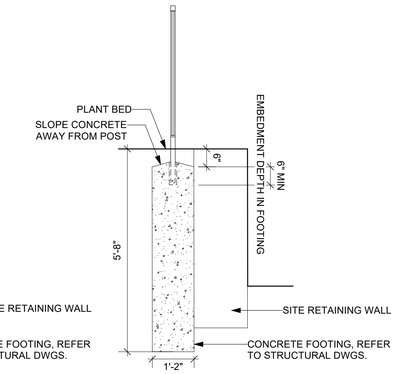


NOTES:
1. ALL GUARDRAIL COMPONENTS TO BE SHOP PRIMED (1 COAT) AND PAINTED (2 COATS) GLOSS BLACK.
2. ALL FILLET WELDS TO BE CLEAN, CONCAVE AND GROUND SMOOTH WHEN POSSIBLE.
3. STEEL TO BE 11 GAUGE.

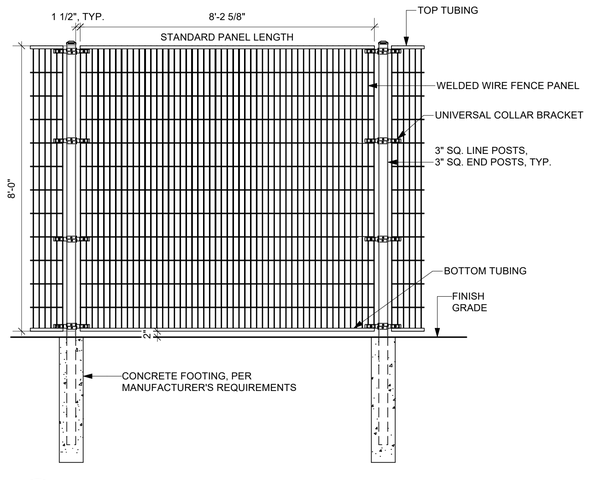
2 / L601 PAINTED STEEL GUARDRAIL
Scale: 1/2" = 1'-0"



GUARDRAIL IN CONCRETE PAVING

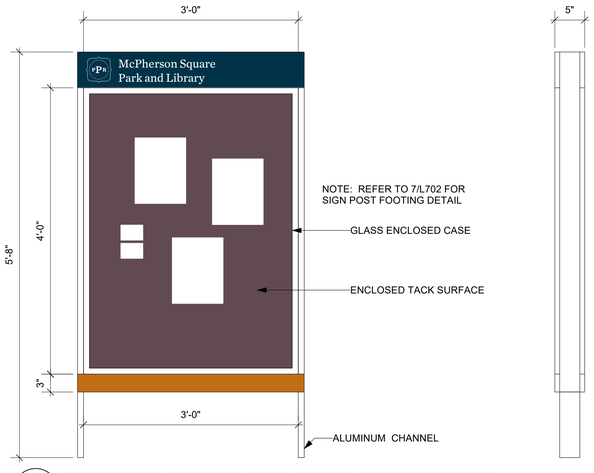


GUARDRAIL IN PLANT BED

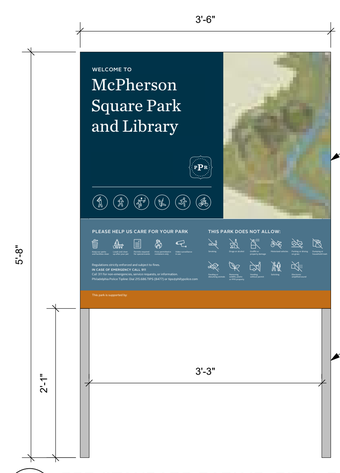


3 / L601 WELDED WIRE FENCE 8' HT
Scale: 1/2" = 1'-0"

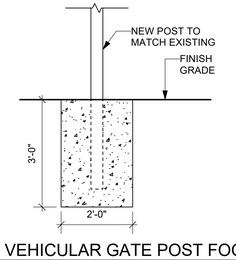
PLAN EXAMINER STAMP AREA:



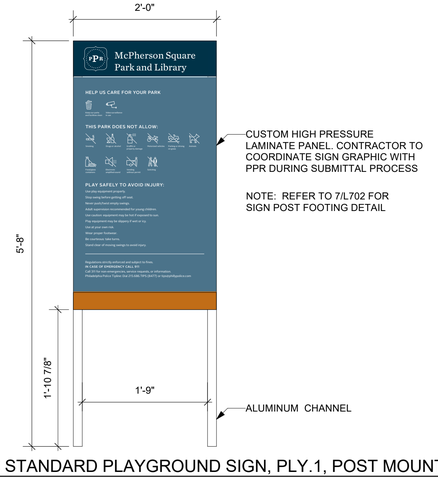
5 / L601 PPR STANDARD BULLETIN, BUL 2C, POST MOUNTED
Scale: 1" = 1'-0"



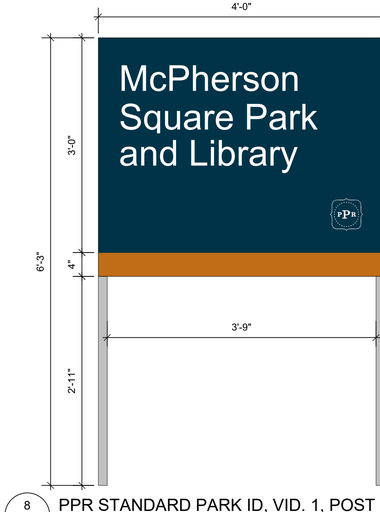
6 / L601 PPR STANDARD PARK ID, PID.1, POST MOUNTED
Scale: 1" = 1'-0"



4 / L601 VEHICULAR GATE POST FOOTING
Scale: 1/2" = 1'-0"



7 / L601 PPR STANDARD PLAYGROUND SIGN, PLY.1, POST MOUNTED
Scale: 1" = 1'-0"



8 / L601 PPR STANDARD PARK ID, VID. 1, POST MOUNTED
Scale: 1" = 1'-0"

REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

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SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

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ARORA ENGINEERS
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Philadelphia, PA 19103
215 571 4930

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KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

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1515 ARCH STREET
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PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
SITE DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. L601
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JX/JB	
CHECKED BY JB	FILE

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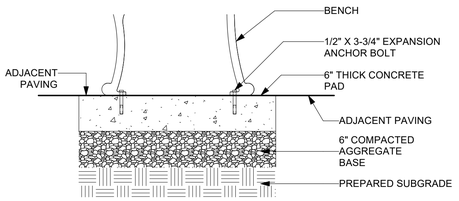
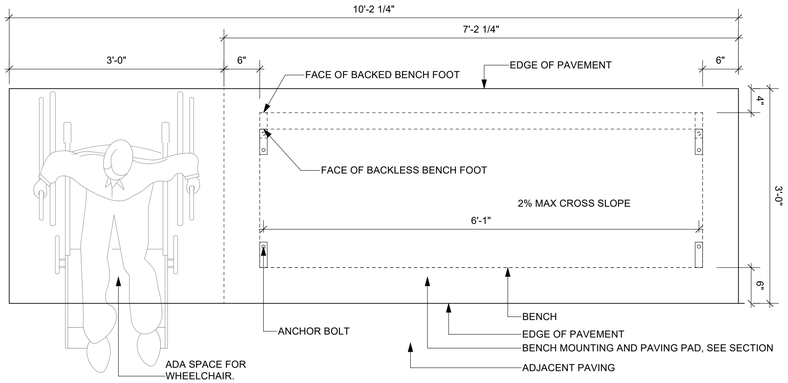
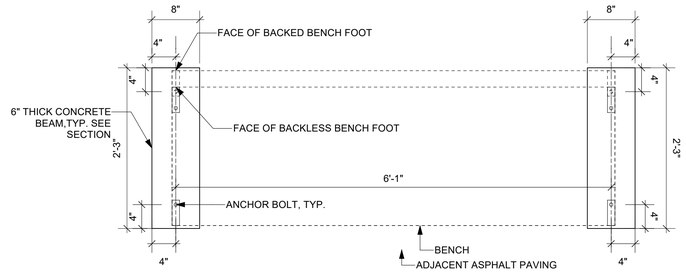


SECTION

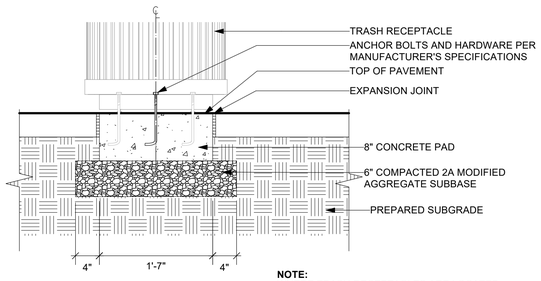


PLAN - BENCH ON CONCRETE PAVING



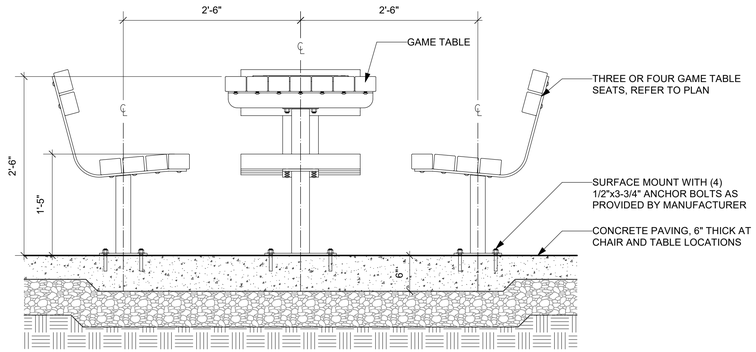
PLAN - BENCH IN ASPHALT PAVING AREA

1 L602 **BENCH**
Scale: 1" = 1'-0"



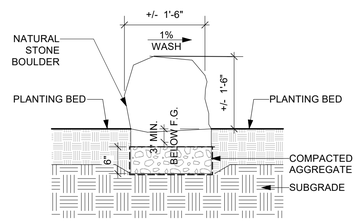
NOTE:
WHERE TRASH RECEPTACLES ARE LOCATED ALONG THE EDGE OF EXISTING OR PROPOSED ASPHALT PAVING, PROVIDE A 4'-0" X 4'-0" X 8" THICK CONCRETE PAD.

2 L602 **TRASH RECEPTACLE**
Scale: 1" = 1'-0"

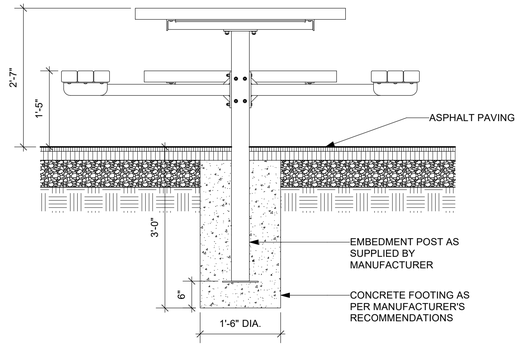


3 L602 **GAME TABLE SEATING**
Scale: 1" = 1'-0"

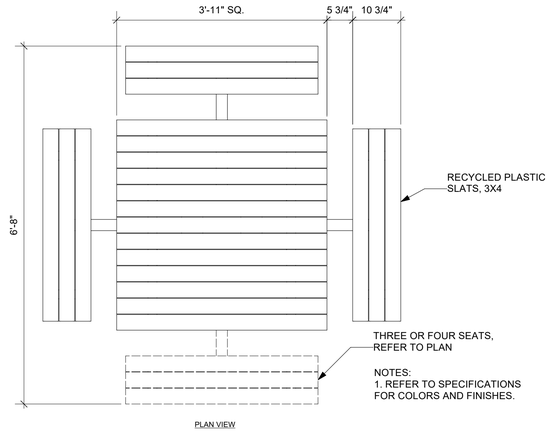
PLAN EXAMINER STAMP AREA:



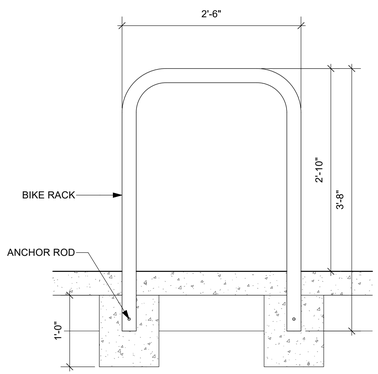
5 L602 **BOULDER**
Scale: 3/4" = 1'-0"



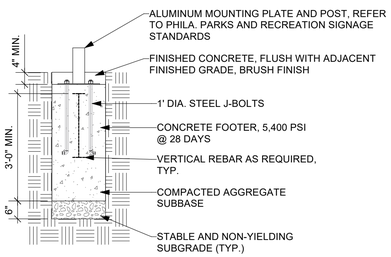
4 L602 **PICNIC TABLE**
Scale: 3/4" = 1'-0"



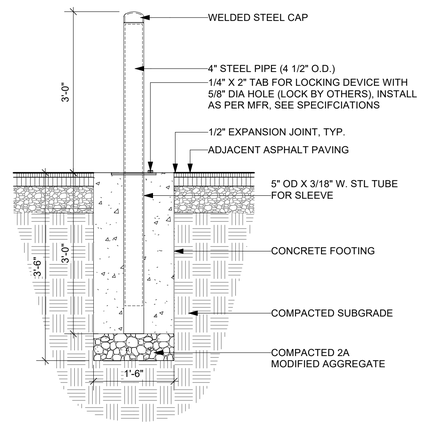
PLAN VIEW



6 L602 **BIKE RACK**
Scale: 1" = 1'-0"



7 L602 **SIGN POST FOOTING**
Scale: 1/2" = 1'-0"



8 L602 **REMOVABLE BOLLARD**
Scale: 3/4" = 1'-0"

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

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PENNSYLVANIA REGISTERED LANDSCAPE ARCHITECT

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

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PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

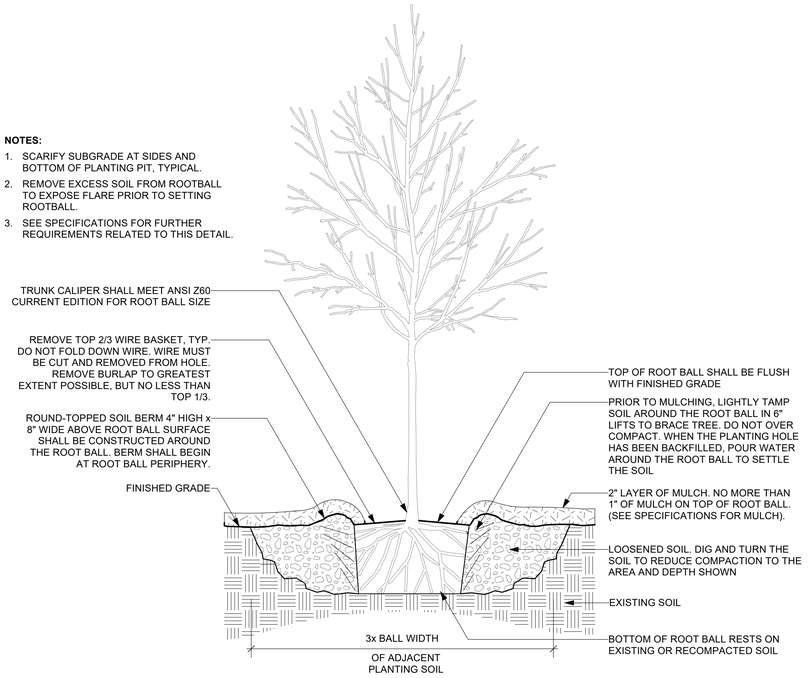
DRAWING TITLE
SITE DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. L602
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JX/JB	
CHECKED BY JB	FILE

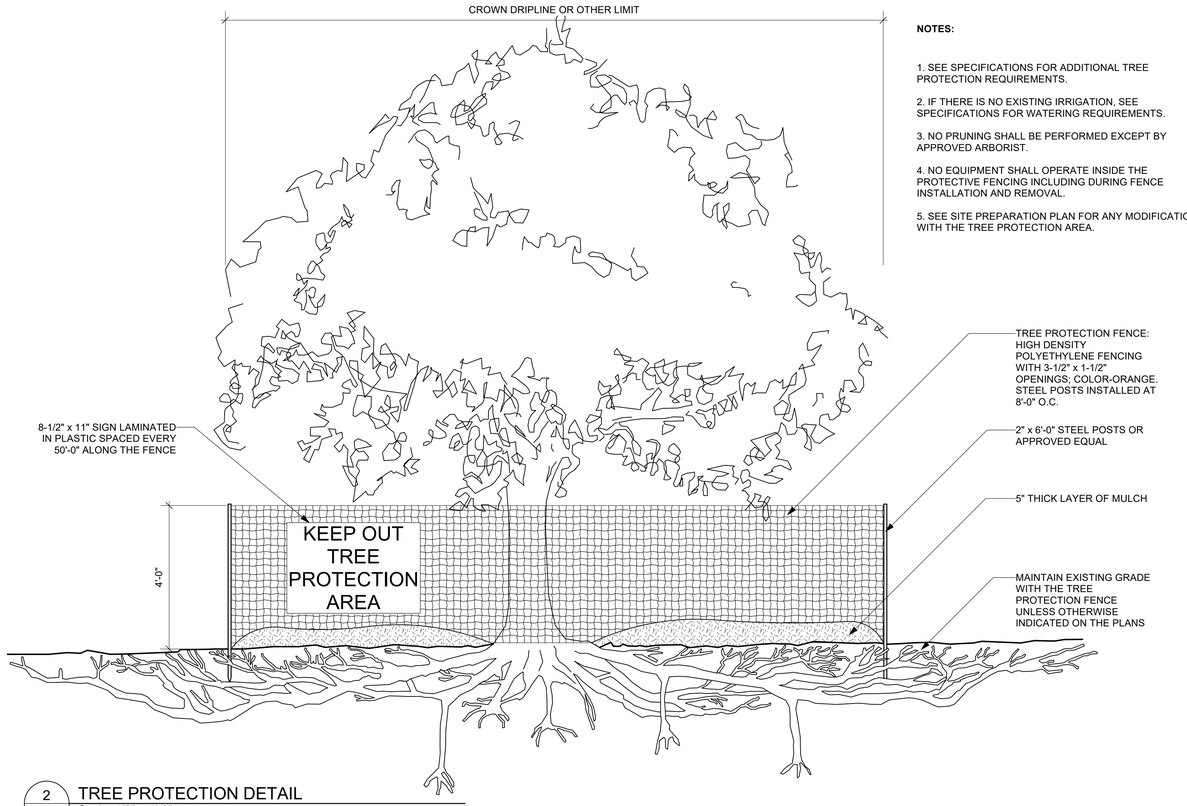
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

NOTES:

1. SCARIFY SUBGRADE AT SIDES AND BOTTOM OF PLANTING PIT, TYPICAL.
2. REMOVE EXCESS SOIL FROM ROOTBALL TO EXPOSE FLARE PRIOR TO SETTING ROOTBALL.
3. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.



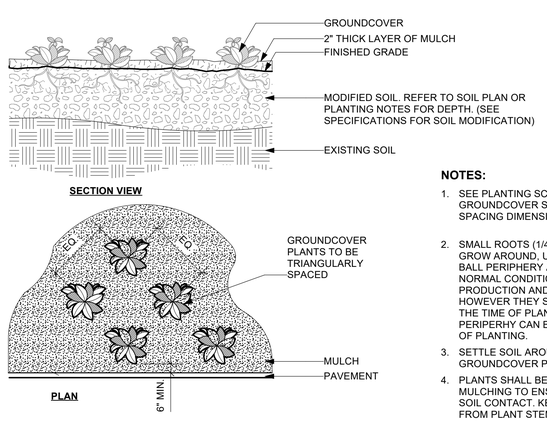
1 L603 **TREE PLANTING, TYP.**
Scale: 3/4" = 1'-0"



2 L603 **TREE PROTECTION DETAIL**
Scale: 1/2" = 1'-0"

NOTES:

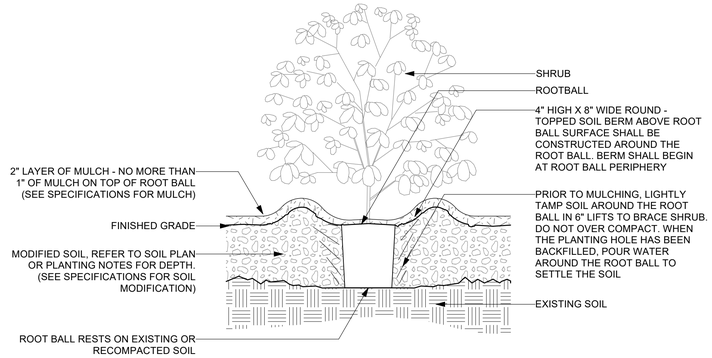
1. SEE SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
2. IF THERE IS NO EXISTING IRRIGATION, SEE SPECIFICATIONS FOR WATERING REQUIREMENTS.
3. NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
4. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
5. SEE SITE PREPARATION PLAN FOR ANY MODIFICATIONS WITH THE TREE PROTECTION AREA.



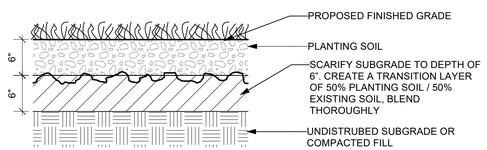
NOTES:

1. SEE PLANTING SCHEDULE FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSION.
2. SMALL ROOTS (1/4" DIA. OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPERHY CAN BE REMOVED AT THE TIME OF PLANTING.
3. SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.
4. PLANTS SHALL BE INSTALLED PRIOR TO MULCHING TO ENSURE PROPER ROOT TO SOIL CONTACT. KEEP MULCH LAYER AWAY FROM PLANT STEMS AND LEAVES.

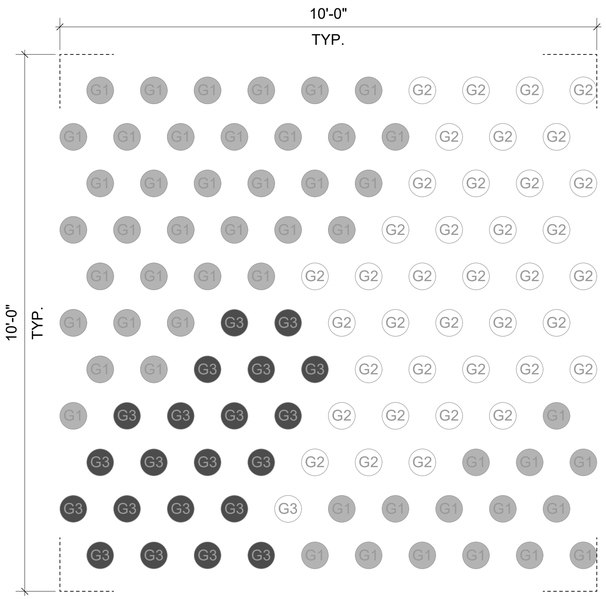
3 L603 **GROUNDCOVER PLANTING**
Scale: 3/4" = 1'-0"



4 L603 **SHRUB PLANTING**
Scale: 3/4" = 1'-0"



6 L603 **SEEDED LAWN PLANTING**
Scale: 1" = 1'-0"



NOTE:
1. GROUP VARIETIES IN MASSINGS OF 25-50 PLANTS.

2. VARIETY AND QUANTITIES OF GROUND COVERS WILL VARY BETWEEN LANDSCAPE AREAS.

5 L603 **GROUNDCOVER PLANTING LAYOUT-TYP.**
Scale: 3/4" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
PLANTING DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. L603
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JX/JB	
CHECKED BY JB	FILE

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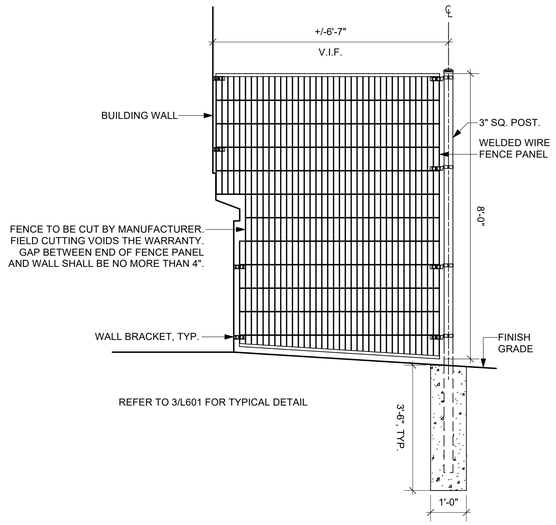
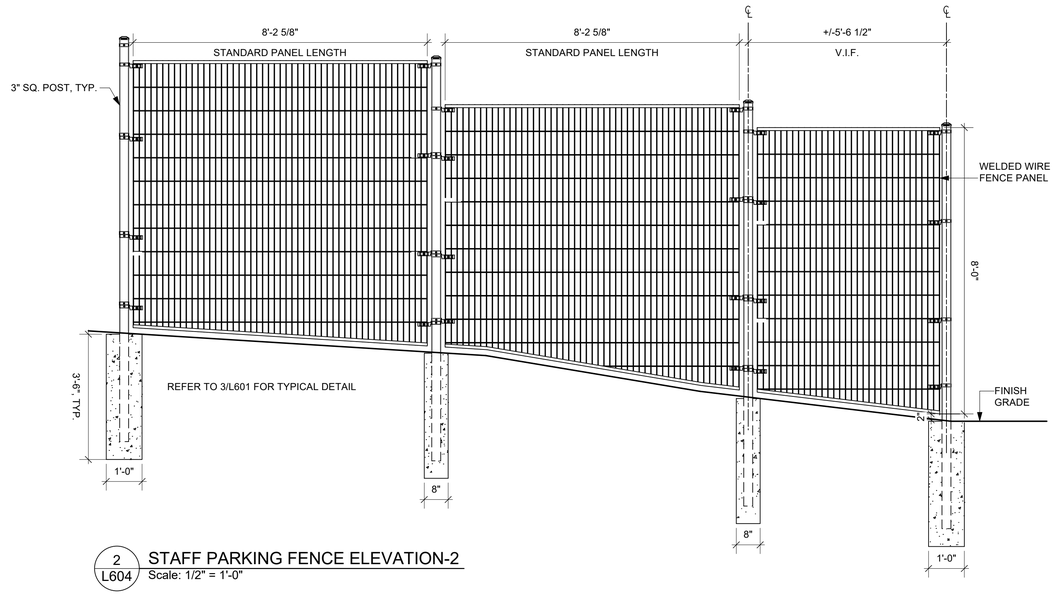
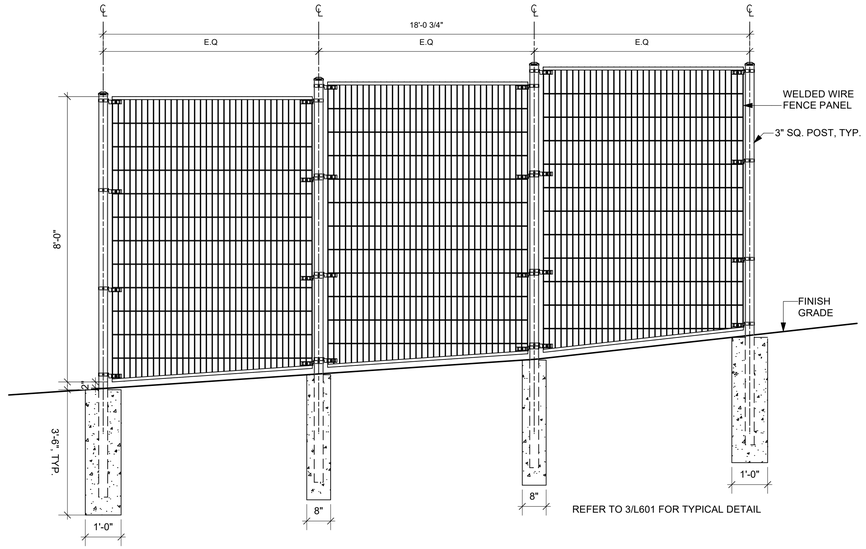


1 L604 STAFF PARKING FENCE ELEVATION-1
Scale: 1/2" = 1'-0"



2 L604 STAFF PARKING FENCE ELEVATION-2
Scale: 1/2" = 1'-0"



3 L604 STAFF PARKING FENCE ELEVATION-3
Scale: 1/2" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED LANDSCAPE ARCHITECT — REGISTRATION NUMBER LA000941

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
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PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELEVATIONS

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO. L604
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: JX/JB	
CHECKED BY: JB	FILE:

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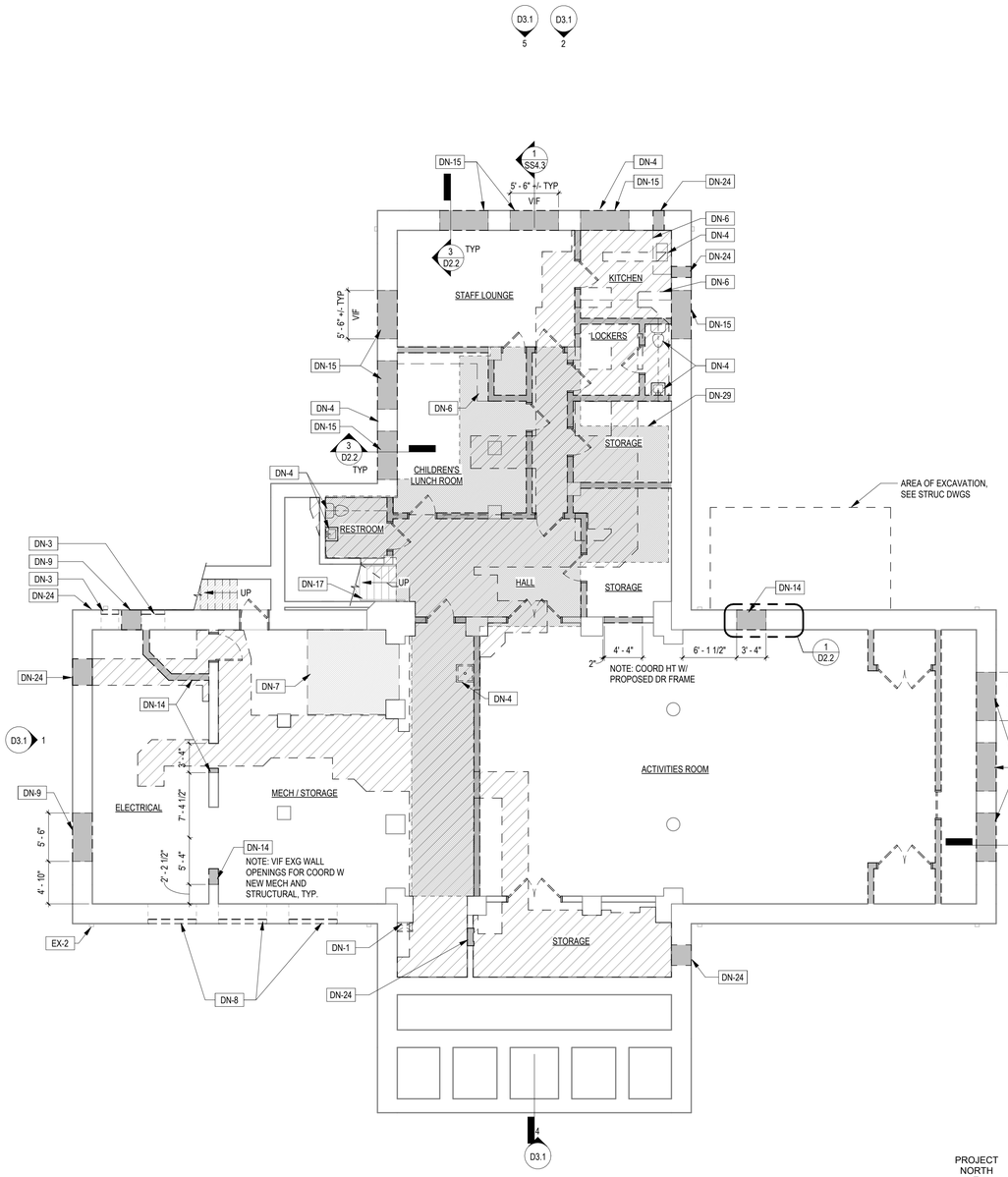
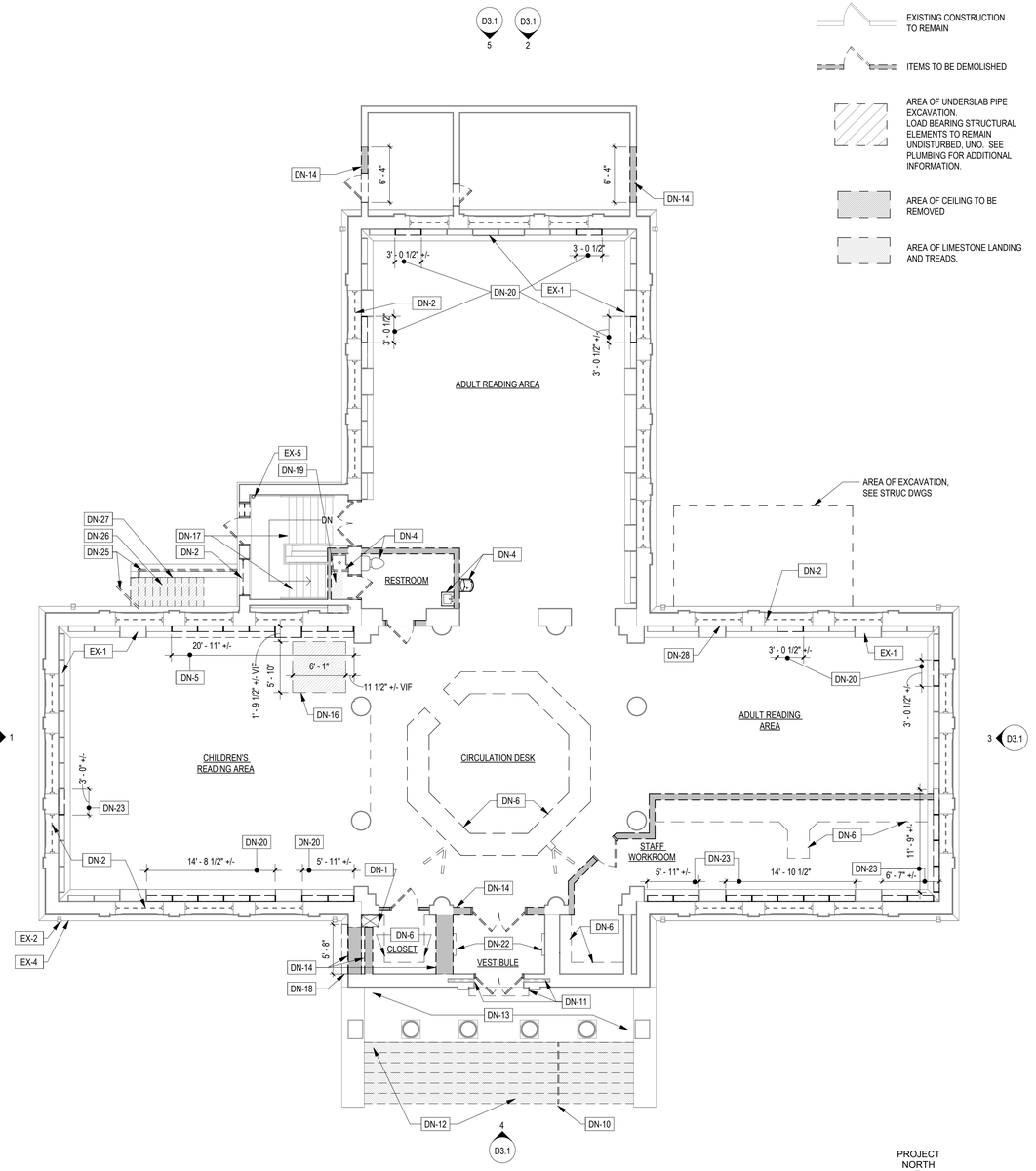


2 D2.1 LOWER LEVEL DEMOLITION PLAN
1/8" = 1'-0"



1 D2.1 ENTRY LEVEL DEMOLITION PLAN
1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL DEMOLITION NOTES

1. REMOVE ALL DEMOLITION DEBRIS FROM SITE IN ACCORDANCE WITH SPECIFICATIONS AND APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND REGULATIONS.
2. DURING DEMOLITION WORK, PROTECT FROM DAMAGE ALL SURFACES, CONSTRUCTION, AND EQUIPMENT INDICATED TO REMAIN.
3. COORDINATE ALL SELECTIVE DEMOLITION W/ ARCH AND STRUC PLANS, SCHEDULES, AND DIMENSIONS. IF DISCREPANCY NOTIFY ARCHITECT.
4. SEE MEPFP, STRUC, AND CIVIL DWGS FOR ADDITIONAL DEMOLITION SCOPE.
5. REMOVE ALL EXG FINISH FLOORING IN WORK AREA, UNO.
6. REMOVE ALL EXG DROPPED CEILINGS, INCLUDING ACT & SOFFITTED AREAS, IN WORK AREA, UNO. EXISTING PLASTER CEILINGS, AT BOTH ENTRY & LOWER LEVELS, TO REMAIN, UNO.
7. REMOVE ALL EXG WINDOW TREATMENTS IN WORK AREA, UNO.
8. REMOVE ALL EXG WALL-MOUNTED ITEMS IN WORK AREA, UNO. COORDINATE ITEMS TO SALVAGE WITH OWNER PRIOR TO REMOVAL.
9. REMOVE ALL EXG PLUMBING FIXTURES, CASEWORK, AND RESTROOM ACCESSORIES IN RESTROOMS WITHIN WORK AREA, UNO.
10. ALL STRUCTURE, INCLUDING BEARING MASONRY WALLS, COLUMNS, COLUMN FLARES, BEAMS AND GIRDERS, ARE TO REMAIN, UNO.
11. RESERVED.
12. REMOVE ALL EXG MECHANICAL AND ELECTRICAL EQUIPMENT IN LOWER LEVEL MECHANICAL ROOMS. COORDINATE WITH MECHANICAL & ELECTRICAL SCOPE.
13. REMOVE ALL EXG APPLIANCES, UNO. COORDINATE ITEMS TO SALVAGE WITH OWNER PRIOR TO REMOVAL.
14. REMOVE ALL EXG CASEWORK FROM LOWER LEVEL WORK AREA, UNO.
15. REMOVE ALL EXG WALL-MOUNTED WOOD SHADE POCKETS ON UPPER LEVEL ABOVE EXISTING WINDOWS. SALVAGE ONE FOR MILLING MATCH FOR NEW SHADE POCKETS.
16. REMOVE ALL EXISTING FURRING/GWB BACK TO THE EXG FOUNDATION WALLS, TYP AT LOWER LEVEL. NOTIFY ARCHITECT/ENGINEER TO REVIEW FDN CONDITIONS.
17. REMOVE EXISTING CONCRETE FLOOR SLAB AND UNDERSLAB MATERIAL IN WIDTH AND DEPTH ALLOWING FOR REMOVAL OF EXISTING AND INSTALLATION OF NEW DOMESTIC WATER AND SANITARY LINES. SEE PLUMBING DRAWINGS.
18. REMOVE EXISTING WOOD BLOCKING BEHIND THE DOWNSPOUTS, AT THE WATER TABLE LEVEL.
19. GC IS RESPONSIBLE TO PROVIDE PROTECTION FOR THE EXISTING ROOF, DOME, AND CORNICE. SEE SPECIFICATIONS SECTION 013591 HISTORIC TREATMENT PROCEDURES NOTING LIST OF ALL AREAS REQUIRING PROTECTION.

KEYED DEMOLITION NOTES

DN-1 REMOVE EXISTING ATTIC ACCESS LADDER AND INFILL FASTENER VOIDS.
DN-2 REMOVE EXISTING WINDOW AND FRAME IN ENTIRETY TO EXTENT OF OPENING, ABOVE, TYP. PLASTER-FRAMED ARCHES AT WINDOWS ARE TO BE PROTECTED AND REMAIN UNDAMAGED.
DN-3 REMOVE EXISTING MECHANICAL LOUVER.
DN-4 REMOVE EXISTING PLUMBING FIXTURE.
DN-5 REMOVE PORTION OF EXISTING PERIMETER BOOKSHELVES INCLUDING SILL AND INCOPORATED MECHANICAL TO EXTENT AS INDICATED.
DN-6 REMOVE EXISTING CASEWORK BUILT-IN IN ENTIRETY.
DN-7 REMOVE EXISTING CONCRETE SLAB TO EXTENT AS SHOWN & REQUIRED FOR PROPOSED ELEVATOR INSTALLATION. COORDINATE WITH PROPOSED ELEVATOR DETAILS A7.1.
DN-8 REMOVE EXISTING MECH LOUVER FOR INSTALL OF PROPOSED RAMP IN THIS LOCATION.
DN-9 REMOVE EXISTING MASONRY TO EXTENT REQUIRED FOR PROPOSED MECHANICAL LOUVERS.
DN-10 REMOVE EXISTING RAILING / GUARDRAIL.
DN-11 REMOVE EXISTING ROLL-DOWN DOOR & FRAME. REMOVE EXG DBL POCKET DOORS.
DN-12 REMOVE EXISTING LIMESTONE TREADS. EXISTING SUBSTRATE (MASONRY BEARING WALLS) TO REMAIN.
DN-13 STAIR LANDING TO REMAIN IN PLACE.
DN-14 REMOVE EXISTING MASONRY WALL TO EXTENT SHOWN. COORDINATE HT OF REMOVAL W/ PROPOSED WORK / ELEVATIONS.
DN-15 REMOVE EXISTING MASONRY FROM PREVIOUSLY INFILLED OPENING TO WIDTH OF ORIGINAL MASONRY OPENING. SEE ELEVATIONS FOR REQ'D HEIGHT.
DN-16 REMOVE EXISTING FLOOR INCLUDING STRUCTURE TO EXTENT SHOWN AS REQ'D FOR PROPOSED ELEVATOR. COORDINATE WITH PROPOSED ELEVATOR DETAILS SHT A7.1.
DN-17 REMOVE ALL FINISHES, INCLUDING RUBBER TREADS AND RISERS AND ACOUSTICAL CEILING TILE , ON EXISTING STAIRS TO REMAIN.

KEYED DEMOLITION NOTES

DN-18 CUT OUT EXISTING STONE WATERTABLE WITHIN WIDTH OF DOOR OPENING, OTHERWISE EXG WATERTABLE IS TO REMAIN. KEEP 1/2" BOND BREAK BETWEEN EXT FDN WALL/WATERTABLE AND RAMP LANDING, TYP. SEE STRUC DWGS FOR ADDITIONAL INFO.
DN-19 REMOVE EXISTING FLOOR INCLUDING FINISH AND STRUCTURE TO EXTENT INDICATED.
DN-20 REMOVE PORTION OF UPPER BOOKSHELVES TO EXTENT INDICATED FOR PROPOSED BENCH SEATING. LOWER SILL TO REMAIN - SEE PROPOSED INTERIOR ELEVATIONS. SALAVAGE ALL SHELVES FOR REUSE.
DN-22 REMOVE EXISTING CARNEGIE PLAQUE. SALVAGE AND PREP FOR REINSTALLATION.
DN-23 REMOVE SHELVING TO EXTENT INDICATED. LOWER SILL TO REMAIN.
DN-24 REMOVE PORTION OF WALL FOR NEW PIPING, SEE PLUMBING DWGS.
DN-25 REMOVE EXISTING FENCE AND GATE AND ASSOCIATED HARDWARE.
DN-26 REMOVE EXISTING CONC STAIR, BOTTOM LANDING TO REMAIN, SEE STRUCTURAL DWGS.
DN-27 EXG MASONRY WALL TO REMAIN. CUT OUT MASONRY JOINTS, PREP FOR REPOINTING. REMOVE EXG CAPSTONE. REFER TO STRUC DWGS.
DN-28 REMOVE EXG WD SKIRTING BELOW HIGH WINDOWS, TYP.
DN-29 DEMO PLASTER CEILING AT HATCHED AREA, REFER TO RCP

KEYED EXISTING NOTES

EX-1 EXG PERIMETER BOOKSHELVES TO REMAIN, TYP UNO
EX-2 EXISTING DOWNSPOUTS AND BOOTS TO REMAIN, TYP.
EX-4 EXISTING WATER TABLE TO REMAIN, TYP., UNO.
EX-5 EXISTING PIPE PENETRATION AT CEILING TO REMAIN.

DEMOLITION KEY:

EXISTING CONSTRUCTION TO REMAIN

ITEMS TO BE DEMOLISHED

AREA OF UNDERSLAB PIPE EXCAVATION. LOAD BEARING STRUCTURAL ELEMENTS TO REMAIN UNDISTURBED, UNO. SEE PLUMBING FOR ADDITIONAL INFORMATION.

AREA OF CEILING TO BE REMOVED

AREA OF LIMESTONE LANDING AND TREADS.

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

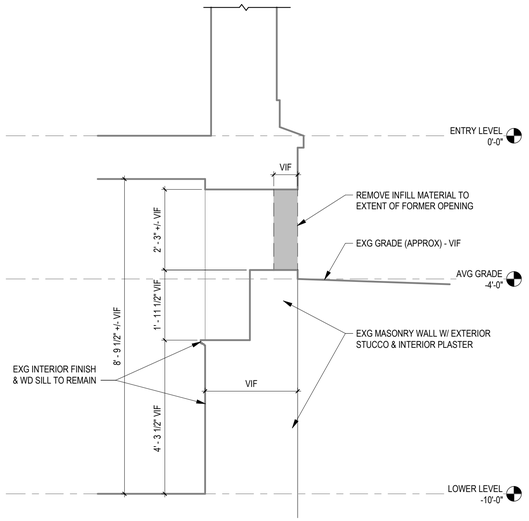
DEMOLITION PLANS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. D2.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JS / SCR	
CHECKED BY TW	FILE

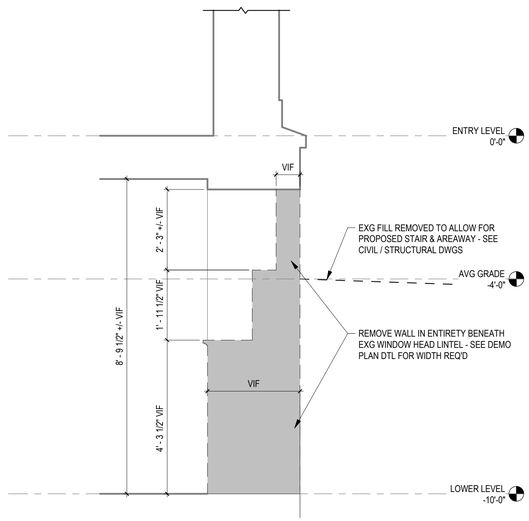
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

DEMOLITION KEY:

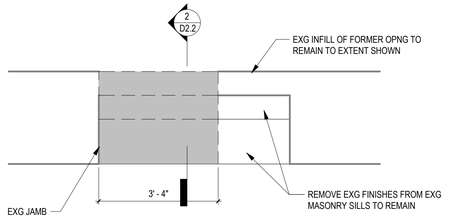
- EXISTING CONSTRUCTION TO REMAIN
- ITEMS TO BE DEMOLISHED
- AREA OF UNDERSLAB PIPE EXCAVATION. LOAD BEARING STRUCTURAL ELEMENTS TO REMAIN UNDISTURBED, UNO. SEE PLUMBING FOR ADDITIONAL INFORMATION.
- AREA OF CEILING TO BE REMOVED
- AREA OF LIMESTONE LANDING AND TREADS.



3 D2.2 DEMO SECTION DETAIL - TYPICAL LOWER LEVEL WINDOW OPNG
1/2" = 1'-0"



2 D2.2 DEMO SECTION DETAIL - LOWER LEVEL DOOR 014E OPNG
1/2" = 1'-0"



1 D2.2 DEMO PLAN DETAIL - LOWER LEVEL DOOR 014E OPNG
1/2" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL DEMOLITION NOTES

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10. ALL STRUCTURE, INCLUDING BEARING MASONRY WALLS, COLUMNS, COLUMN FLARES, BEAMS AND GIRDERS, ARE TO REMAIN, UNO.
11. RESERVED.
12. REMOVE ALL EXG MECHANICAL AND ELECTRICAL EQUIPMENT IN LOWER LEVEL MECHANICAL ROOMS. COORDINATE WITH MECHANICAL & ELECTRICAL SCOPE.
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REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TOM WISNIEWSKI No. RA051604

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
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215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
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915 Spring Garden Street, Suite 403
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DRAWING TITLE
DEMOLITION DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. D2.2
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AB / SCR	
CHECKED BY TW	FILE

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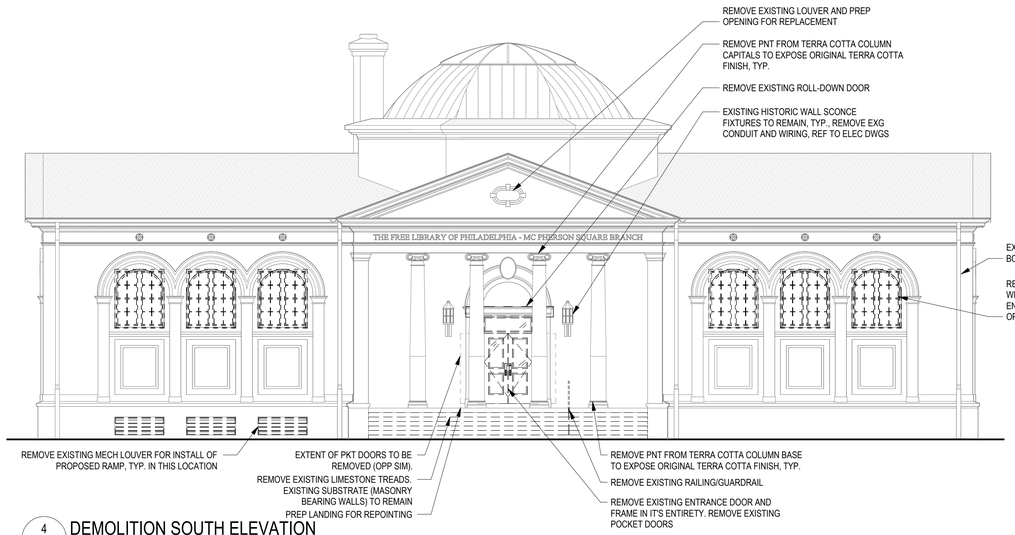
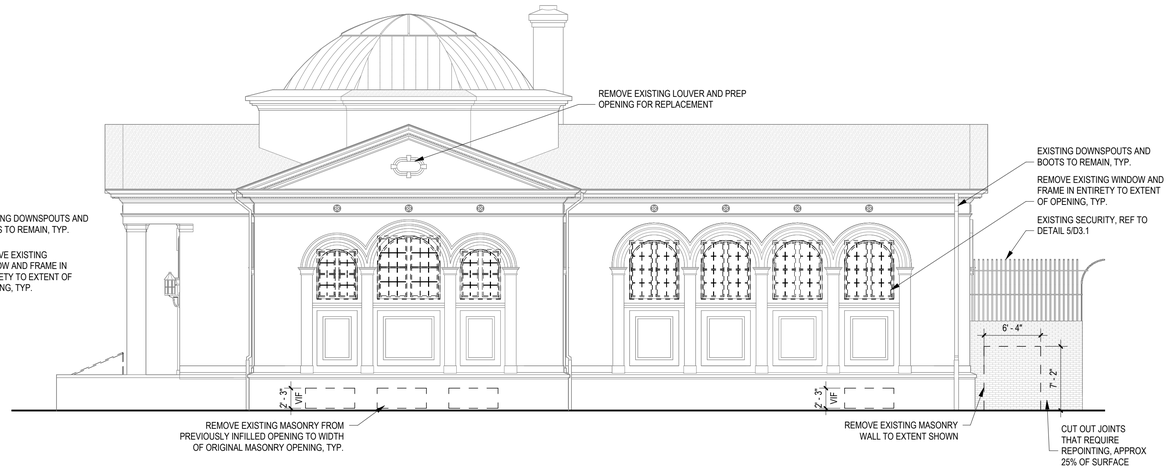


4 D3.1 DEMOLITION SOUTH ELEVATION
1/8" = 1'-0"

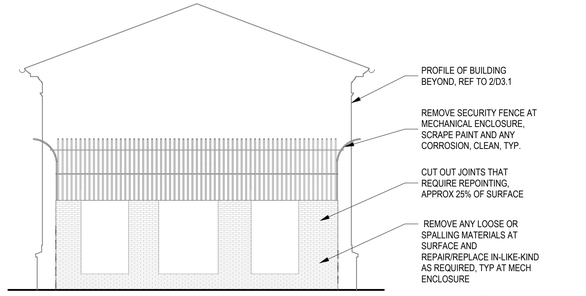


3 D3.1 DEMOLITION EAST ELEVATION
1/8" = 1'-0"

2 D3.1 DEMOLITION NORTH ELEVATION
1/8" = 1'-0"

1 D3.1 DEMOLITION WEST ELEVATION
1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:



5 D3.1 MECHANICAL ENCLOSURE
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. REMOVE ALL DEMOLITION DEBRIS FROM SITE IN ACCORDANCE WITH SPECIFICATIONS AND APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND REGULATIONS.
2. DURING DEMOLITION WORK, PROTECT FROM DAMAGE ALL SURFACES, CONSTRUCTION, AND EQUIPMENT INDICATED TO REMAIN.
3. COORDINATE ALL SELECTIVE DEMOLITION W/ ARCH AND STRUC PLANS, SCHEDULES, AND DIMENSIONS. IF DISCREPANCY NOTIFY ARCHITECT.
4. SEE MEPFP, STRUC, AND CIVIL DWGS FOR ADDITIONAL DEMOLITION SCOPE.
5. REMOVE ALL EXG FINISH FLOORING IN WORK AREA, UNO.
6. REMOVE ALL EXG DROPPED CEILINGS, INCLUDING ACT & SOFFITTED AREAS, IN WORK AREA, UNO. EXISTING PLASTER CEILINGS, AT BOTH ENTRY & LOWER LEVELS, TO REMAIN, UNO.
7. REMOVE ALL EXG WINDOW TREATMENTS IN WORK AREA, UNO.
8. REMOVE ALL EXG WALL-MOUNTED ITEMS IN WORK AREA, UNO. COORDINATE ITEMS TO SALVAGE WITH OWNER PRIOR TO REMOVAL.
9. REMOVE ALL EXG PLUMBING FIXTURES, CASEWORK, AND RESTROOM ACCESSORIES IN RESTROOMS WITHIN WORK AREA, UNO.
10. ALL STRUCTURE, INCLUDING BEARING MASONRY WALLS, COLUMNS, COLUMN FLARES, BEAMS AND GIRDERS, ARE TO REMAIN, UNO.
11. RESERVED.
12. REMOVE ALL EXG MECHANICAL AND ELECTRICAL EQUIPMENT IN LOWER LEVEL MECHANICAL ROOMS. COORDINATE WITH MECHANICAL & ELECTRICAL SCOPE.
13. REMOVE ALL EXG APPLIANCES, UNO. COORDINATE ITEMS TO SALVAGE WITH OWNER PRIOR TO REMOVAL.
14. REMOVE ALL EXG CASEWORK FROM LOWER LEVEL WORK AREA, UNO.
15. REMOVE ALL EXG WALL-MOUNTED WOOD SHADE POCKETS ON UPPER LEVEL ABOVE EXISTING WINDOWS. SALVAGE ONE FOR MILLING MATCH FOR NEW SHADE POCKETS.
16. REMOVE ALL EXISTING FURRING/GWB BACK TO THE EXG FOUNDATION WALLS, TYP AT LOWER LEVEL. NOTIFY ARCHITECT/ENGINEER TO REVIEW FDN CONDITIONS.
17. REMOVE EXISTING CONCRETE FLOOR SLAB AND UNDERSLAB MATERIAL IN WIDTH AND DEPTH ALLOWING FOR REMOVAL OF EXISTING AND INSTALLATION OF NEW DOMESTIC WATER AND SANITARY LINES. SEE PLUMBING DRAWINGS.
18. REMOVE EXISTING WOOD BLOCKING BEHIND THE DOWNSPOUTS, AT THE WATER TABLE LEVEL.
19. GC IS RESPONSIBLE TO PROVIDE PROTECTION FOR THE EXISTING ROOF, DOME, AND CORNICE. SEE SPECIFICATIONS SECTION 013591 HISTORIC TREATMENT PROCEDURES NOTING LIST OF ALL AREAS REQUIRING PROTECTION.

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
DEMOLITION ELEVATIONS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. D3.1
DATE 04/09/2026	
SCALE AS NOTED	
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CHECKED BY JGH/SCR/TW	FILE

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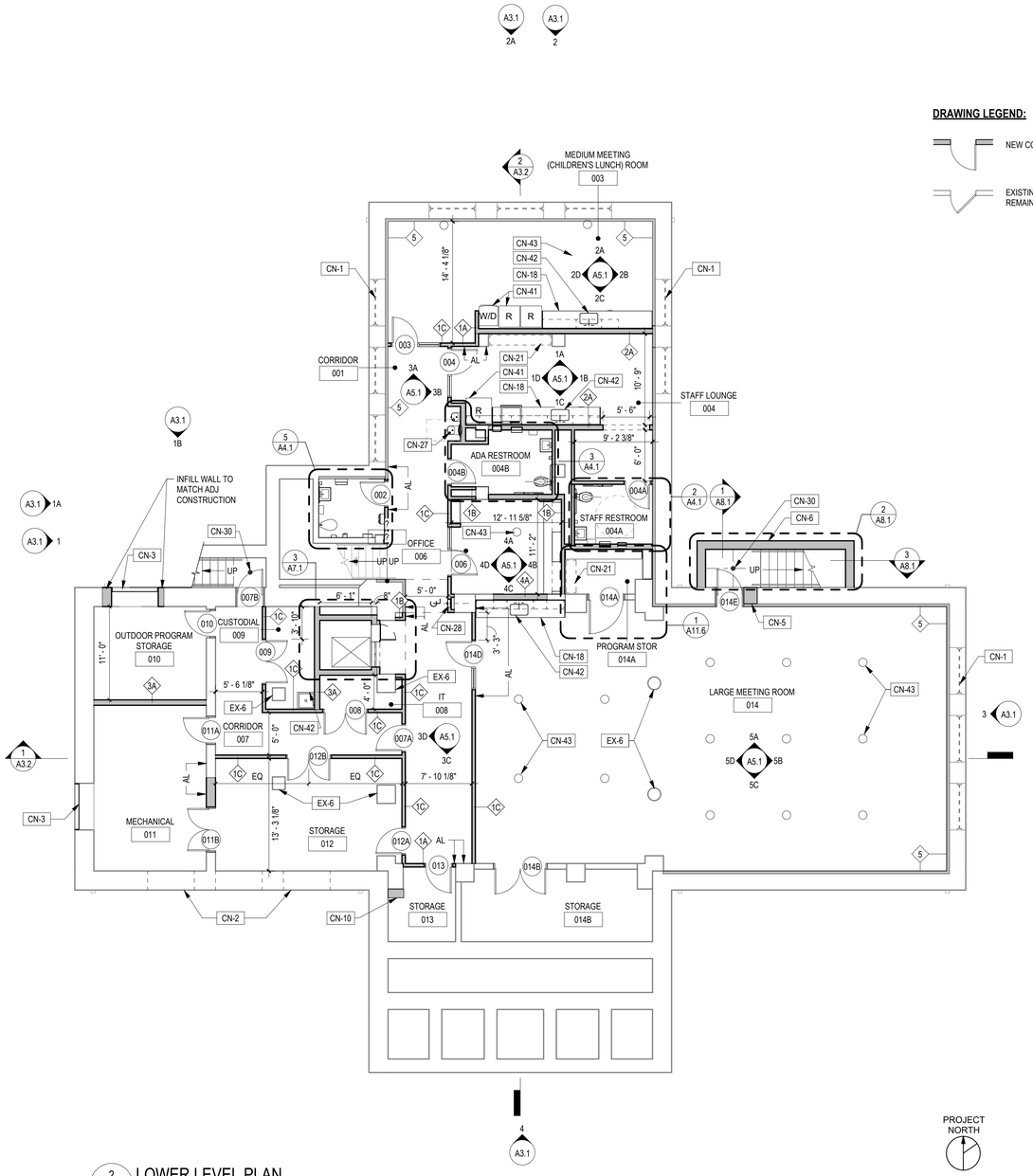
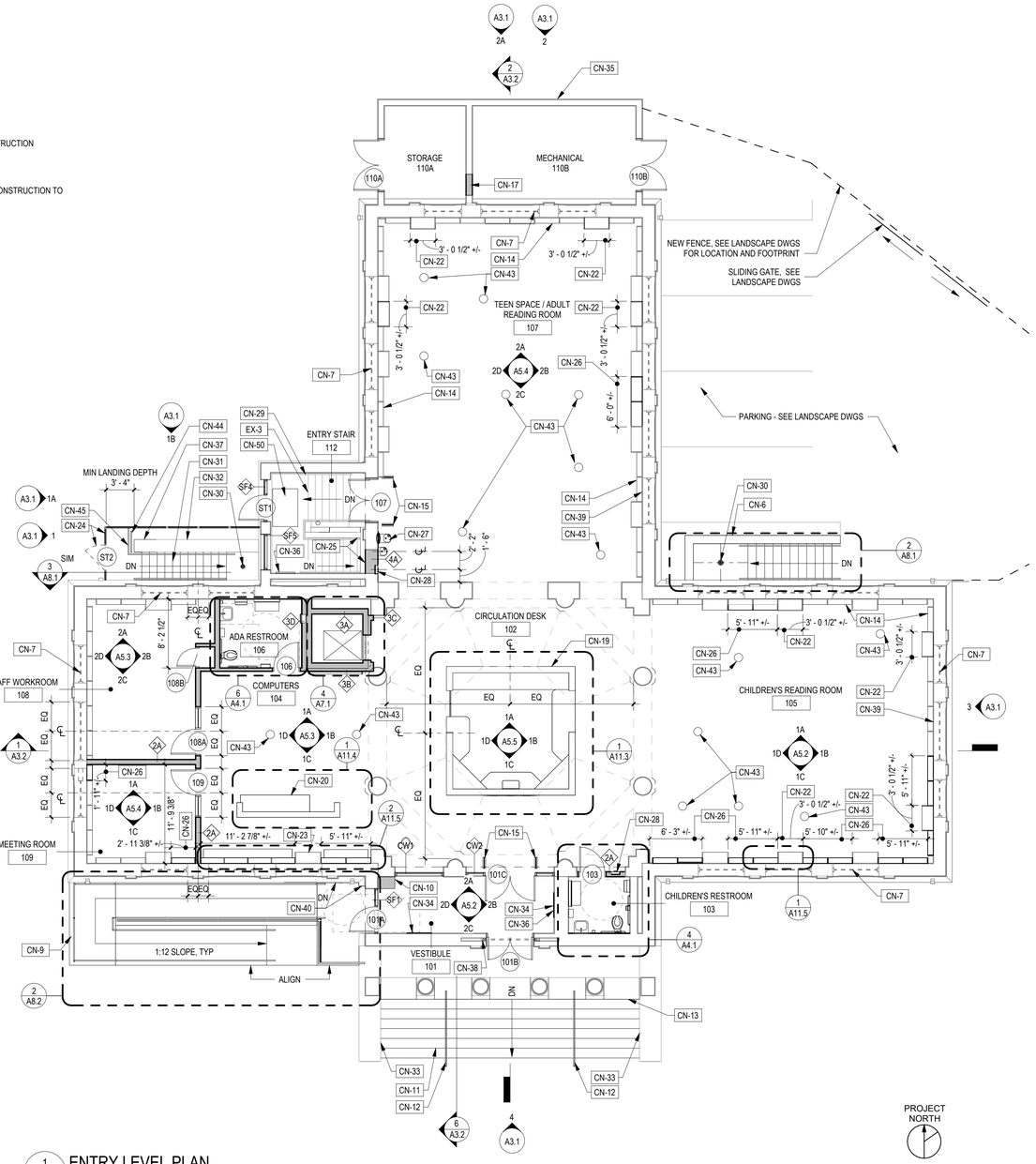


2 A2.1 LOWER LEVEL PLAN
1/8" = 1'-0"



1 A2.1 ENTRY LEVEL PLAN
1/8" = 1'-0"

DRAWING LEGEND:

NEW CONSTRUCTION

EXISTING CONSTRUCTION TO REMAIN

PLAN EXAMINER STAMP AREA:

GENERAL NOTES

1. THE WORK CONSISTS OF RENOVATION OF A HISTORIC BUILDING. THE CONTRACTOR SHOULD EXPECT TO ENCOUNTER LEAD PAINT DURING RENOVATION ACTIVITIES AND SHALL PROCEED IN COMPLIANCE WITH REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.

2. ALL DIMENSIONS SHOWN ON PLAN ARE TO BE VERIFIED IN THE FIELD. CONTRACTOR IS TO REPORT TO ARCHITECT ANY ENCOUNTER WITH STRUCTURAL DEFICIENCIES OR DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND FIELD CONDITIONS IDENTIFIED DURING CONSTRUCTION.

3. CONTRACTOR IS RESPONSIBLE TO COVER AND PROTECT ALL ELEMENTS OF THE EXISTING BUILDING NOTED TO REMAIN. SEE A0.1 FOR FULL LIST OF REQUIREMENTS FOR WORK ON A HISTORICAL BUILDING.

4. CONTRACTOR IS RESPONSIBLE TO PROTECT THE NEWLY COMPLETED PHASE 1 SCOPE OF WORK AT THE ROOF, CORNICE, AND DOWNSPOUTS. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES INCURRED DURING CONSTRUCTION.

5. SEE SHEET A0.1 FOR LIST OF ALTERNATES.

6. SEE MECHANICAL, ELECTRICAL, PLUMBING, CIVIL, LANDSCAPE, FIRE PROTECTION, AND STRUCTURAL DRAWINGS FOR FULL SCOPE OF PROPOSED WORK TO BE COORDINATED IN THE FIELD.

7. NEW FURRING AND GWB AT ALL EXG FOUNDATION WALLS IN OCCUPIED SPACES.

8. AT AREAS OF PARTIALLY DEMOLISHED BASEMENT FLOOR SLAB, PROVIDE INFILL TO MATCH EXISTING CONSTRUCTION. SEE D2.1 AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

9. REPAINT ALL EXG PAINTED SURFACES. PATCH, REPAIR AND PREP AS REQUIRED TO ACHIEVE LEVEL 5 FINISH.

10. BUILDING IS TO REMAIN SECURE DURING CONSTRUCTION WORK DAY AND AT THE END OF EACH PROJECT WORK DAY THROUGH PROJECT COMPLETION.

11. REFER TO FURNITURE PLAN FOR FIT OUT OF INTERIOR SPACES.

12. ALL ELECTRIC WIRING, DATA, PLUMBING ETC TO BE BEHIND FINISHED WALLS OR ABOVE FINISHED CEILINGS UNLESS OTHERWISE NOTED; DEMO/PATCH/REPAIR OF EXISTING WALLS TO INCLUDE ALL DEMO NECESSARY PER MEP/FA/SS SCOPE. CONSULT ARCHITECT IF MEP/FP/SS EQUIPMENT REQUIRES INSTALLATIONS WHICH DIFFER FROM THOSE SHOWN IN THE DRAWINGS. ALL EXPOSED DUCTS AND CONDUITS TO BE PAINTED TO MATCH ADJACENT CEILINGS/WALLS.

KEYED CONSTRUCTION NOTES

CN-1 PROVIDE NEW WINDOW IN EXG OPNG ABOVE, TYP.
CN-2 PROVIDE NEW CMU INFILL AT REMOVED MECH LOUVERS ABV, TYP.
CN-3 PROVIDE NEW MECH LOUVER ABV.
CN-5 PACK OUT AREA ADJACENT TO DR AT FORMER WINDOW OPNG W/ CMU. SEE STRUC DWGS & PROVIDE FINISH GWB TO TIE INTO ADJ PLASTER.
CN-6 PROVIDE NEW CONC WALL & EXTERIOR STAIR W/ WALL-MOUNTED SSTL HANDRAILS. SEE STRUC DWGS.
CN-7 PROVIDE NEW WINDOWS IN EXG LOCATIONS ABOVE. SEE ELEVS, TYP.
CN-9 PROVIDE NEW CONC ADA RAMP, SEE ENLARGED PLAN.
CN-10 PROVIDE NEW INFILL AT EXG SHAFT OPENING. NEW FLOOR TO MATCH EXG ASSEMBLY. VIF LOCATION, SIZE, AND CONSTRUCTION.
CN-11 INSTALL NEW STONE TREADS ON EXG STONE SUBSTRATE MASONRY BEARING WALLS; TREADS TO MATCH EXG.
CN-12 INSTALL NEW SSTL HANDRAIL AT ENTRY STAIR, TYP.
CN-13 CLEAN AND REPOINT EXG LANDING LEVEL AND STONE TREADS.
CN-14 RESTORE AND PAINT EXG PERIMETER BOOKSHELVES TO REMAIN, TYP.
CN-15 INSTALL NEW OWNER PROVIDED RFID PORTAL.
CN-17 INFILL EXIST OPENING WITH NEW BRICK TO MATCH ADJACENT CONSTRUCTION.
CN-18 PROVIDE NEW 25" DEPTH COUNTER, SEE INT ELEV.
CN-19 PROVIDE NEW CIRCULATION DESK CASEWORK.
CN-20 PROVIDE NEW PRINTER STATION CASEWORK, SEE INT ELEV.
CN-21 PROVIDE NEW LOCKERS
CN-22 PROVIDE NEW READING NOOK CASEWORK IN EXG BOOKCASE BAY, SEE INT ELEV.
CN-23 PROVIDE NEW BENCH SEATING CASEWORK, SEE INT ELEV.
CN-24 INSTALL NEW GUARDRAIL AND SECURITY FENCE AS SHOWN ON DWGS.
CN-25 PATCH AND REPAIR FINISHES AT LOCATION OF REMOVED FLR / WALLS. MATCH ADJACENT FINISHES. VIF EXTENTS AND CONSULT ARCHITECT.
CN-26 PROVIDE NEW UPPER BOOKSHELVES ON EXG LOWER SILL TO REMAIN TO EXTENT INDICATED. MATCH EXISTING - SEE INTERIOR ELEVATIONS.
CN-27 PROVIDE HI-LOW DRINKING FOUNTAIN W/ BOTTLE FILLER. SEE PLUMBING DWGS.

KEYED CONSTRUCTION NOTES

CN-28 PROVIDE NEW RECESSED FEC.
CN-29 PAINT EXG HANDRAIL, TYP AT ENTRY STAIR 112.
CN-30 INSTALL NEW FLOOR DRAIN, SEE PLUMBING DWGS.
CN-31 PROVIDE NEW EXTERIOR CONC STAIRS AND WALL MOUNTED SSTL HANDRAIL, SEE STRUCTURAL DWGS.
CN-32 REPOINT EXG MASONRY WALLS AT NEW CONC STAIR.
CN-33 REPOINT EXG MASONRY WALLS . PAINT TO MATCH BLDG EXTERIOR.
CN-34 CLEAN, RESTORE, AND REINSTALL PLAQUES IN LOCATIONS INDICATED. RESTORATION WORK MUST BE PERFORMED BY CONSERVATION EXPERT APPROVED BY THE OWNER.
CN-35 REPOINT JOINTS AND RESTORE TO A SMOOTH UNIFORM SURFACE. PNT FINISH TO MATCH EXTERIOR OF MAIN BUILDING.
CN-36 REINSTALL RESTORED MTL GRATES.
CN-37 ANCHOR NEW WALL TO EXG WALL AND INSTALL NEW CAPSTONE. SEE STRUCT DWGS.
CN-38 INFILL EXG VOID WITH EXPANDING FOAM, MASONRY BLOCKING AT SIDES / 2x DIMENSIONAL LUMBER ABOVE, AND STUCCO FLUSH W EXT FACE OF WALL. EXT SURFACE TO MATCH EXG. PTD FINISH.
CN-39 PATCH & REPAIR AREAS OF DEMOLISHED WD SKIRTING BELOW HIGH WINDOWS. PAINT TO MATCH ADJ WALL FINISH.
CN-40 APPLY STUCCO AT CUT-SIDE OF WATERTABLE AND SMOOTH SURFACE, TYP AT NEW DOOR OPENING. FINISH TO MATCH ADJACENT EXTERIOR.
CN-41 PROVIDE NEW APPLIANCES, TYP.
CN-42 PROVIDE NEW PLUMBING FIXTURES, TYP. SEE PLUMBING DWGS.
CN-43 PROVIDE NEW FLOOR BOX OR POKE THROUGH, SEE FURNITURE PLANS AND ELEC DWGS
CN-44 PROVIDE GUARDRAIL W/ CORE MOUNT AT LANDING
CN-45 PROVIDE HANDRAIL MOUNTED TO GUARDRAIL AT LANDING
CN-50 PROVIDE ENTRANCE FLOOR MAT

KEYED EXISTING NOTES

EX-3 EXISTING STAIRS TO REMAIN.
EX-6 EXISTING STRUCTURAL COLUMNS TO REMAIN,TYP.

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REBUILD | CASSIE O'CONNELL

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PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
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PROJECT TITLE

McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

PLANS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A2.1
DATE 04/09/2026	
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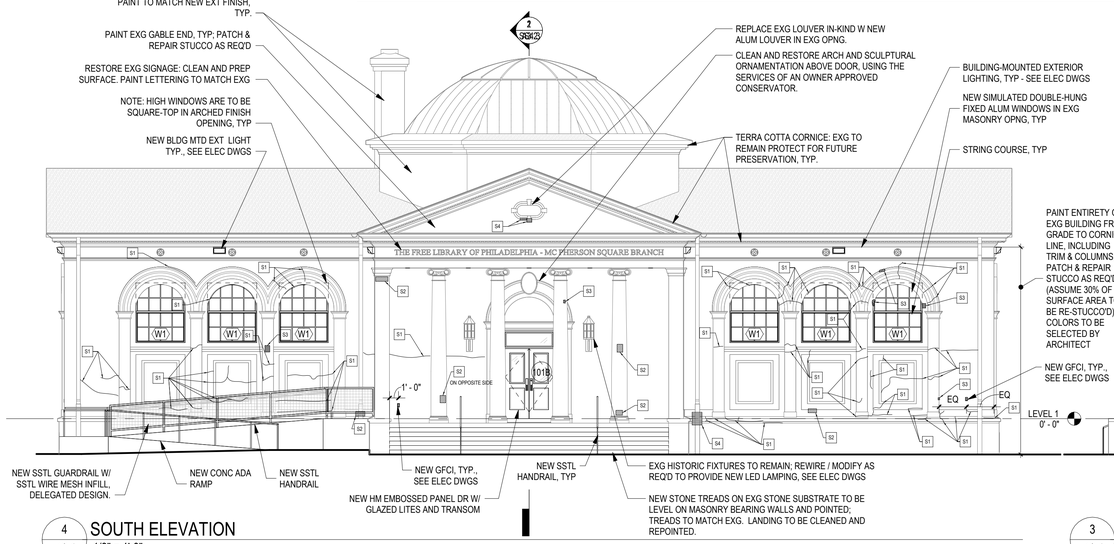
LEGEND

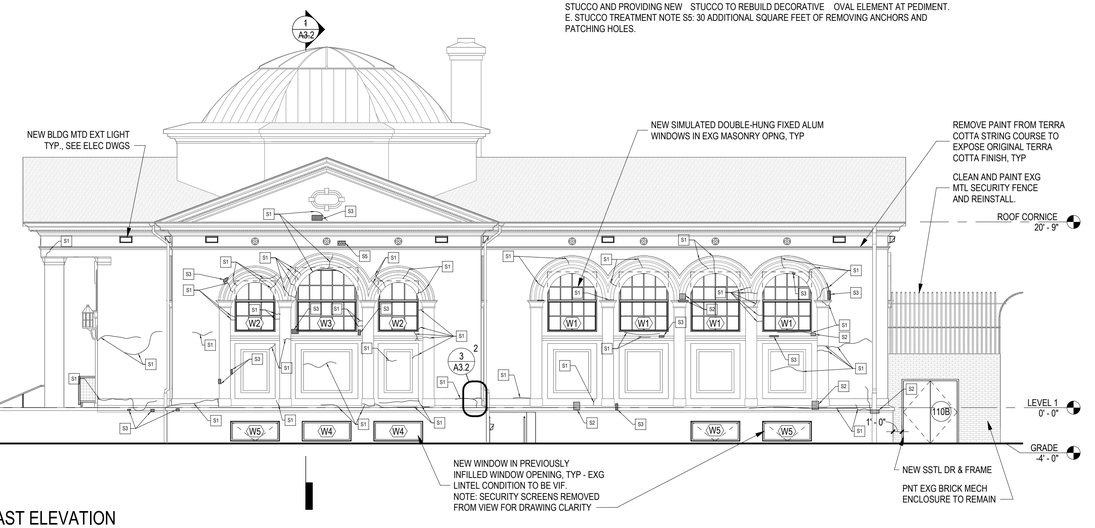
- S1 - ROUT CRACKS GREATER THAN 1/4 INCH WIDE AND PATCH CRACKS WITH REPLICATION STUCCO. FINISH STUCCO PATCH SURFACE TO MATCH TEXTURE OF ADJACENT EXISTING STUCCO. SEE 3/A3.2 (IMAGE 2) AND 4/A3.2.
- S2 - REMOVE LOOSE AND DETERIORATED STUCCO TO SOUND MATERIAL. PATCH WITH REPLICATION STUCCO. FINISH STUCCO PATCH SURFACE TO MATCH TEXTURE OF ADJACENT EXISTING STUCCO. SEE 3/A3.2 (IMAGE 1) AND 5/A3.2.
- S3 - PATCH AREA OF LOSS LARGER THAN 6 SQUARE INCHES AND DEEPER THAN 1/4 INCH WITH REPLICATION STUCCO. FINISH STUCCO PATCH SURFACE TO MATCH TEXTURE OF ADJACENT EXISTING STUCCO. SEE 5/A3.2.
- S4 - REMOVE DETERIORATED STUCCO AND PROVIDE NEW REPLICATION STUCCO TO REBUILD ORIGINAL PROFILE OF DECORATIVE OVAL ELEMENT AT PEDIMENT.
- S5 - REMOVE ABANDONED METAL ANCHORS FROM STUCCO SURFACES AND PATCH AREAS OF LOSS IN STUCCO LEFT BY REMOVAL.

GENERAL NOTES

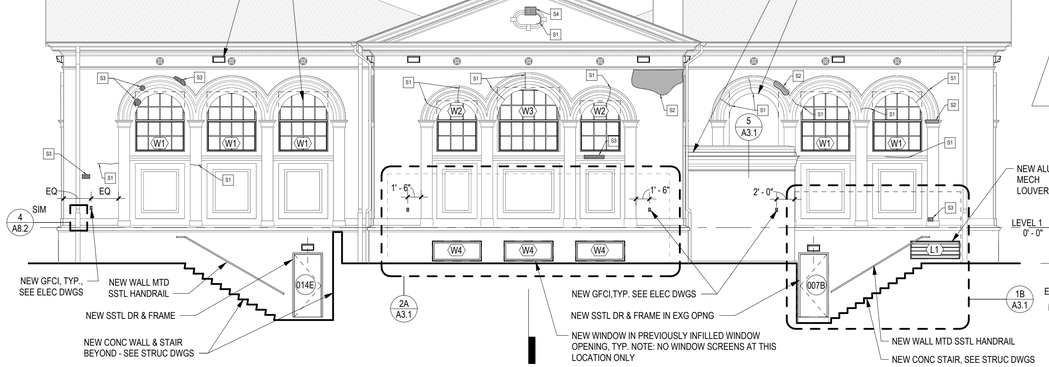
1. ROOF CORNICE AND BUILDING ENVELOPE ABOVE WERE RESTORED IN A PRIOR PHASE OF WORK. EXISTING TO REMAIN, PROTECT FOR FUTURE PRESERVATION. AS-BUILTS AVAILABLE UPON REQUEST.
2. PAINT AND REINSTALL MTL SECURITY FENCE AT MECH ENCLOSURE. SECURITY FENCE AT SIDE ENTRANCE TO REMAIN, NIC. (NOTE: SECURITY FENCES NOT SHOWN, WHERE OBSTRUCTING VIEW OF BUILDING ELEVATION, FOR GRAPHIC CLARITY.)
3. REMOVE 100% OF PAINT FROM ALL STUCCO SURFACES AND UNIT MASONRY. REMOVE 100% OF PAINT FROM TERRA COTTA STRING COURSE; ROSETTES; COLUMN CAPITALS; AND COLUMN BASES . DO NOT REMOVE PAINT FROM TERRA COTTA GABLE CORNICES.
4. ONCE PAINT IS REMOVED FROM EXTERIOR, CONTRACTOR TO IDENTIFY ALL AREAS OF ADDITIONAL STUCCO REPAIR. ALL AREAS OF ADDITIONAL WORK TO BE REVIEWED BY ARCHITECT PRIOR TO PERFORMING THE WORK.
5. PREPARE NEW AND EXISTING STUCCO AND UNIT MASONRY AND PROVIDE NEW PAINT COATING ON ALL STUCCO SURFACES AND UNIT MASONRY.
6. IN ADDITION TO STUCCO REPAIRS INDICATED ON ELEVATIONS, CONTRACTOR TO ASSUME THE FOLLOWING ADDITIONAL STUCCO REPAIR QUANTITIES:
   A. STUCCO TREATMENT NOTE S1: 500 ADDITIONAL LINEAR FEET OF PATCHING CRACKS ON DIMENSIONAL/PROFILED STUCCO.
   B. STUCCO TREATMENT NOTE S2: 1600 ADDITIONAL SQUARE FEET OF REMOVING LOOSE AND DETERIORATED FLAT STUCCO AND PATCHING. 500 ADDITIONAL SQUARE FEET OF REMOVING LOOSE AND DETERIORATED DIMENSIONAL/PROFILED STUCCO AND PATCHING.
   C. STUCCO TREATMENT NOTE S3: 400 ADDITIONAL SQUARE FEET OF PATCHING LOSS ON FLAT STUCCO. 200 ADDITIONAL SQUARE FEET PATCHING LOSS ON DIMENSIONAL/PROFILED STUCCO.
   D. STUCCO TREATMENT NOTE S4: 25 ADDITIONAL SQUARE FEET OF REMOVING DETERIORATED STUCCO AND PROVIDING NEW STUCCO TO REBUILD DECORATIVE OVAL ELEMENT AT PEDIMENT.
   E. STUCCO TREATMENT NOTE S5: 30 ADDITIONAL SQUARE FEET OF REMOVING ANCHORS AND PATCHING HOLES.



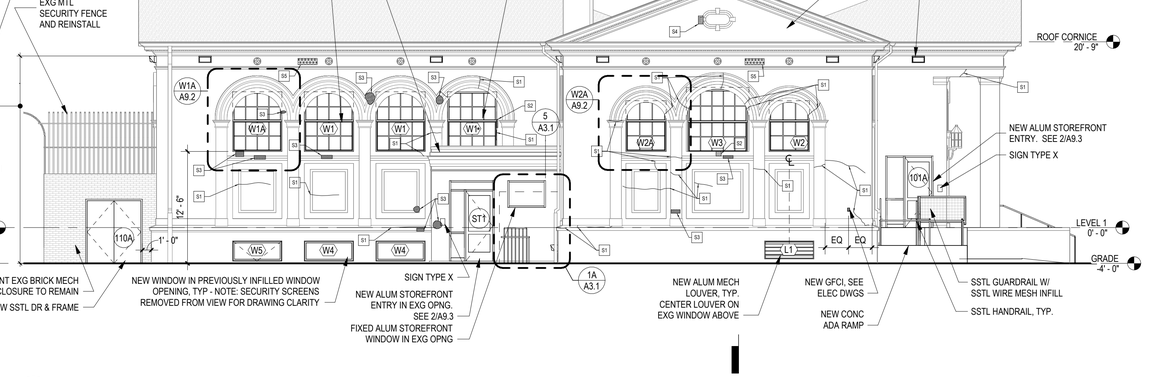
4 A3.1 SOUTH ELEVATION
1/8" = 1'-0"



3 A3.1 EAST ELEVATION
1/8" = 1'-0"

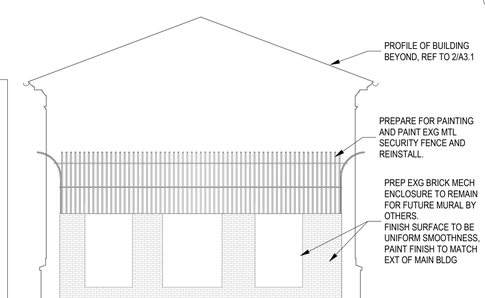


2 A3.1 NORTH ELEVATION
1/8" = 1'-0"

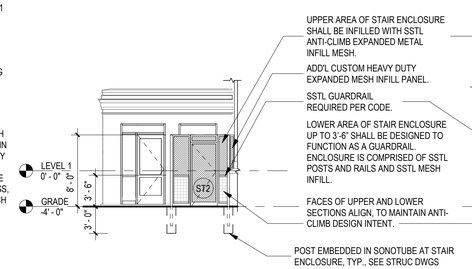


1 A3.1 WEST ELEVATION
1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

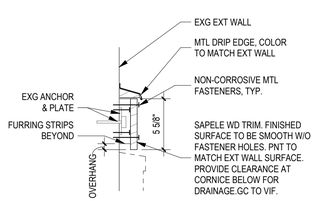


2A A3.1 NORTH ELEVATION: MECHANICAL ENCLOSURE
1/8" = 1'-0"



1A A3.1 EAST ELEVATION - STAIR ENCLOSURE
1/8" = 1'-0"

1B A3.1 NORTH ELEVATION - STAIR ENCLOSURE
1/8" = 1'-0"



5 A3.1 COVER AT ANCHOR PLATE
1 1/2" = 1'-0"

REVISIONS

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TODD WOODWARD No. RA426160

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
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PROJECT TITLE
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DRAWING TITLE
ELEVATIONS

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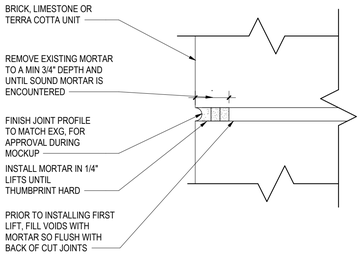
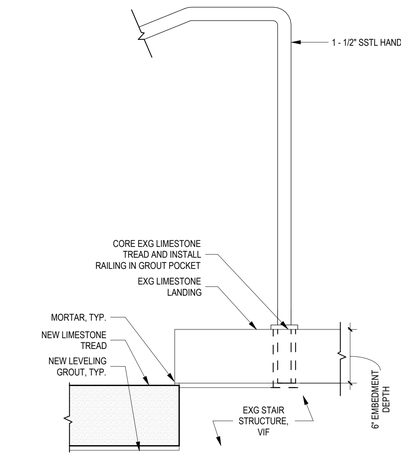
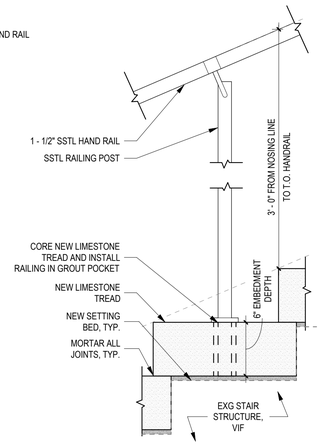
NOTE:
EXTREME CARE MUST BE TAKEN DURING MORTAR REMOVAL TO NOT DAMAGE THE FACE OF EXISTING BRICK, LIMESTONE OR TERRACOTTA UNITS. ANY MASONRY DAMAGED DURING MORTAR REMOVAL SHALL BE REPLACED OR REPAIRED AT THE CONTRACTOR'S EXPENSE.



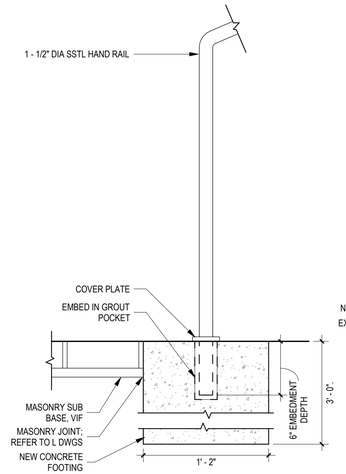
10 A3.2 DETAIL - TYPICAL MASONRY REPOINTING
6" = 1'-0"



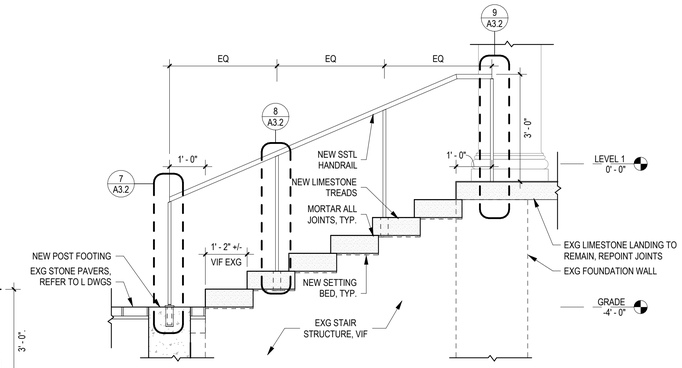
9 A3.2 RAILING POST AT EXISTING LANDING
1 1/2" = 1'-0"



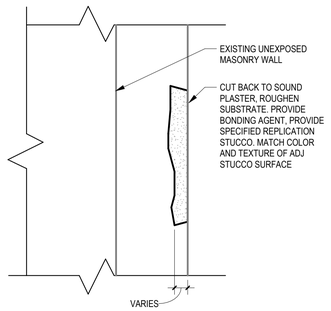
8 A3.2 RAILING POST AT NEW TREAD
1 1/2" = 1'-0"



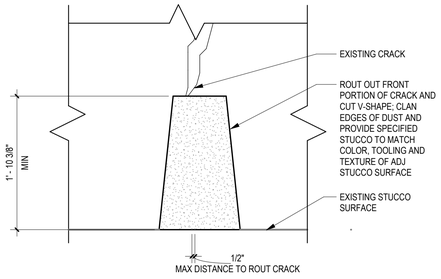
7 A3.2 RAILING POST AT MASONRY PAVING
1 1/2" = 1'-0"



6 A3.2 ENTRY STAIR SECTION
1/2" = 1'-0"



5 A3.2 STUCCO WALL FINISH REPAIR DETAILS
1" = 1'-0"



4 A3.2 STUCCO CRACK REPAIR DETAIL
1" = 1'-0"

IMAGE 1 - EXAMPLE OF LOOSE AND DETERIORATED STUCCO

IMAGE 2 - EXAMPLE OF CRACK IN STUCCO WIDER THAN 1/4"

3 A3.2 STUCCO PHOTOS
1" = 1'-0"

PLAN EXAMINER STAMP AREA:

2 A3.2 N-S BUILDING SECTION
1/8" = 1'-0"

1 A3.2 E-W BUILDING SECTION
1/8" = 1'-0"

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

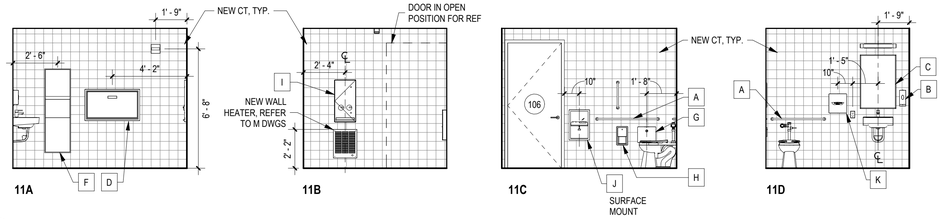
CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

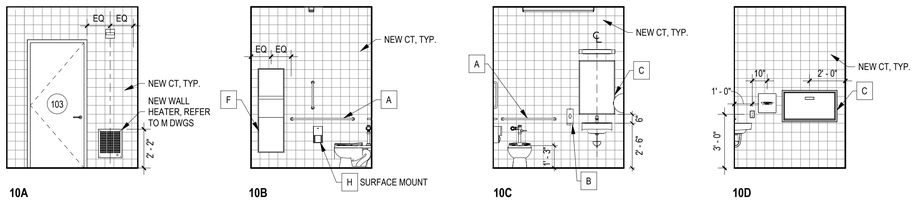
DRAWING TITLE
BUILDING SECTIONS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A3.2
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JS / SCR	
CHECKED BY TW	FILE

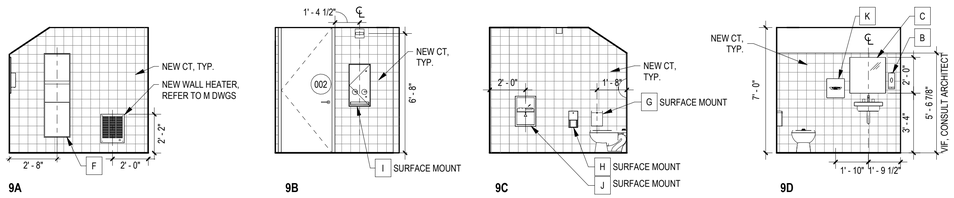
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



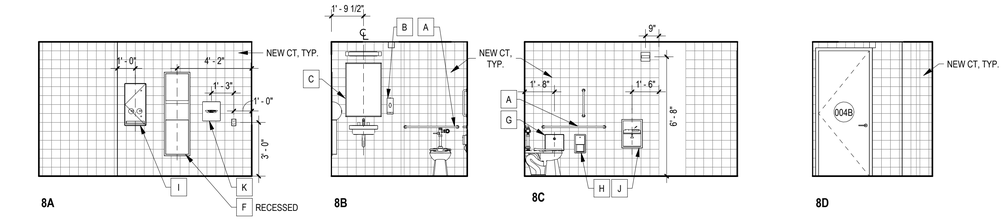
11 A4.1 ADA RESTROOM 106
1/4" = 1'-0"



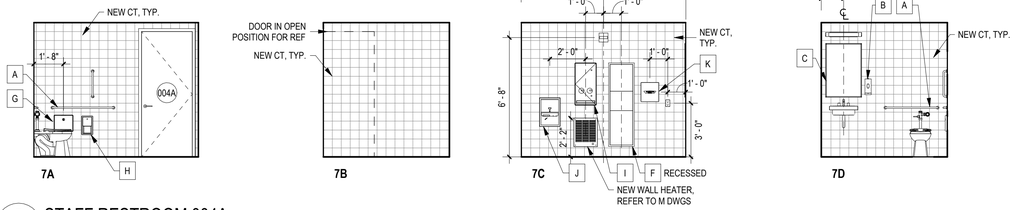
10 A4.1 CHILDREN'S RESTROOM 103
1/4" = 1'-0"



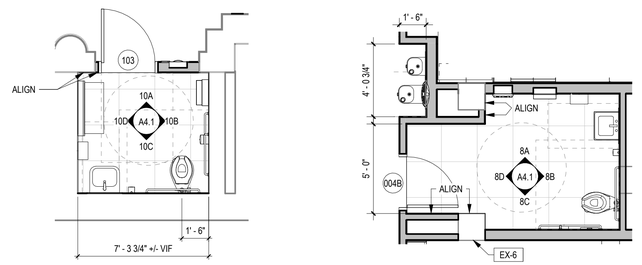
9 A4.1 RESTROOM 002
1/4" = 1'-0"



8 A4.1 ADA RESTROOM 004B
1/4" = 1'-0"



7 A4.1 STAFF RESTROOM 004A
1/4" = 1'-0"



4 A4.1 103 - CHILDREN'S RESTROOM
1/4" = 1'-0"

3 A4.1 004B ADA RESTROOM
1/4" = 1'-0"

2 A4.1 STAFF RESTROOM 004A
1/4" = 1'-0"

6 A4.1 106 - ADA RESTROOM
1/4" = 1'-0"

5 A4.1 002 - RESTROOM
1/4" = 1'-0"

PLAN EXAMINER STAMP AREA:

1 A4.1 TYPICAL MOUNTING HEIGHTS
1/4" = 1'-0"

REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

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530 Walnut Street, Suite 460
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CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
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PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A4.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AB / SCR	
CHECKED BY Checker	FILE

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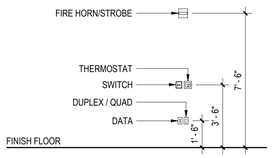
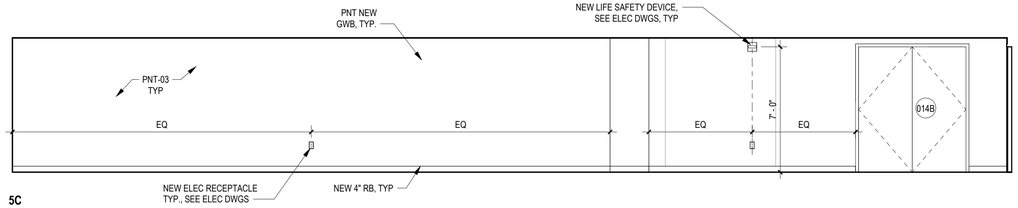


NOTES:
1. SEE MEP DWGS FOR DEVICE SPECIFIC INFORMATION.
2. DEVICE MOUNTING HEIGHTS TYPICAL UNO.

6 A5.1 DEVICE MOUNTING HEIGHTS
1/4" = 1'-0"



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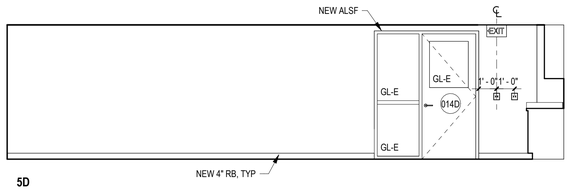

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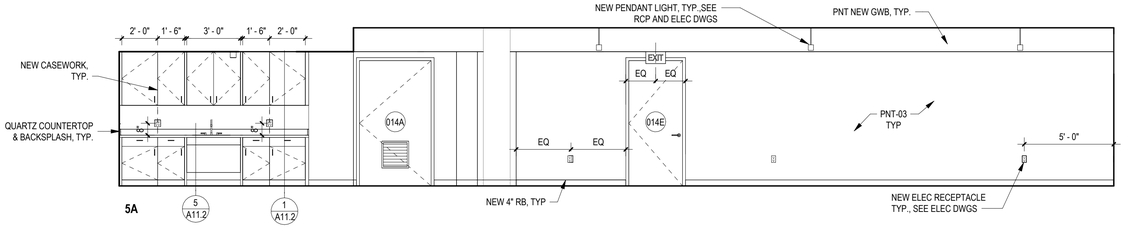

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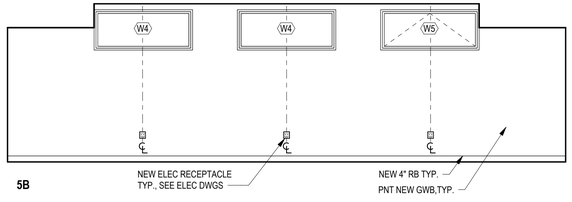
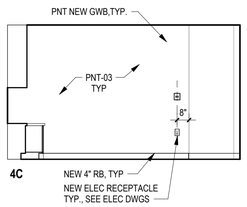


5B

5 A5.1 LARGE MEETING ROOM 014
1/4" = 1'-0"



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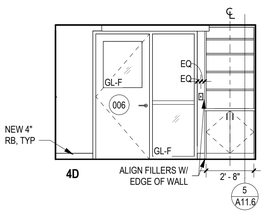

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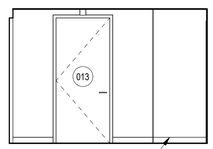

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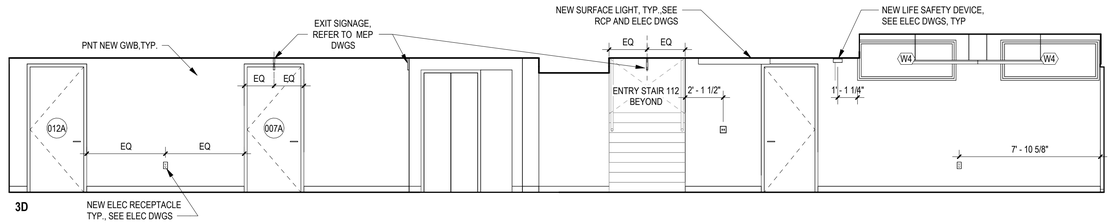

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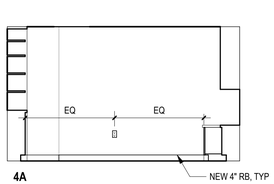

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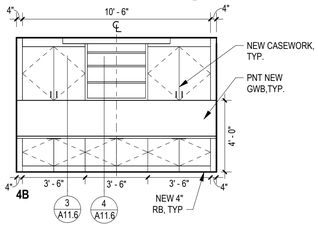

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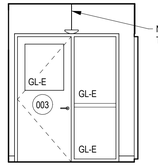

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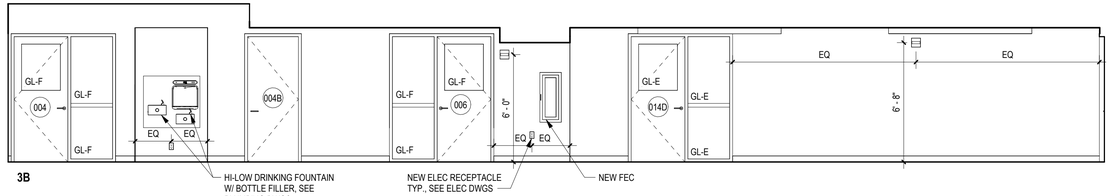
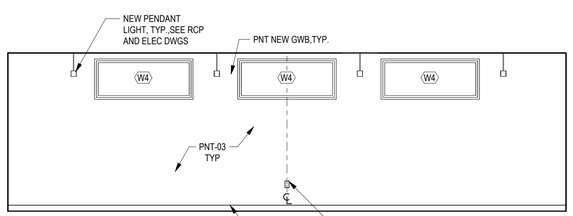


3B

4 A5.1 OFFICE 006
1/4" = 1'-0"

3 A5.1 CORRIDOR 001
1/4" = 1'-0"



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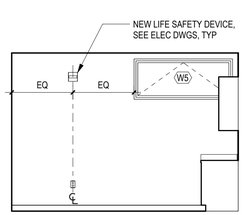

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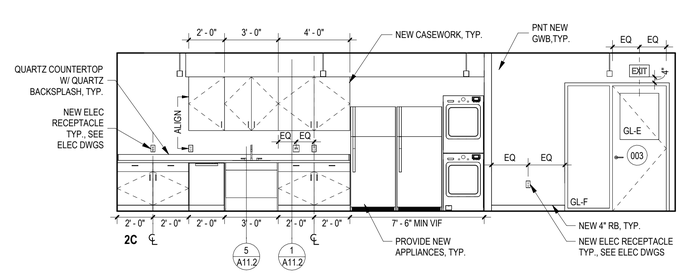

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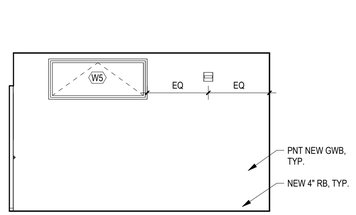
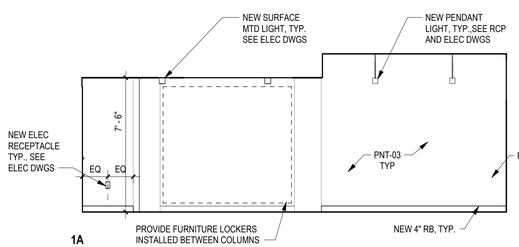


2D

2 A5.1 MEDIUM MEETING (CHILDREN'S LUNCH) ROOM 003
1/4" = 1'-0"

PLAN EXAMINER STAMP AREA:



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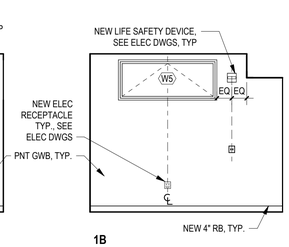

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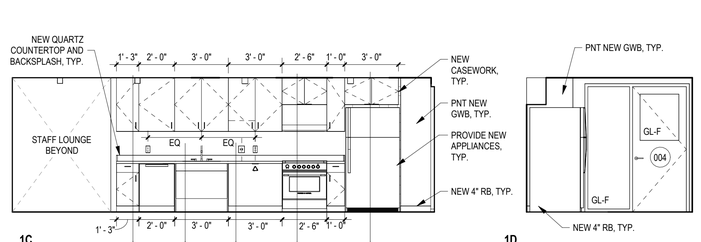

1C

1D

1 A5.1 STAFF LOUNGE 004
1/4" = 1'-0"

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA — TODD MCDONALD — No. RA-015170X

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
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1635 Market Street, Suite 1705
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915 Spring Garden Street, Suite 403
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215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

INTERIOR ELEVATIONS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A5.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AB / SCR	
CHECKED BY Checker	PLO

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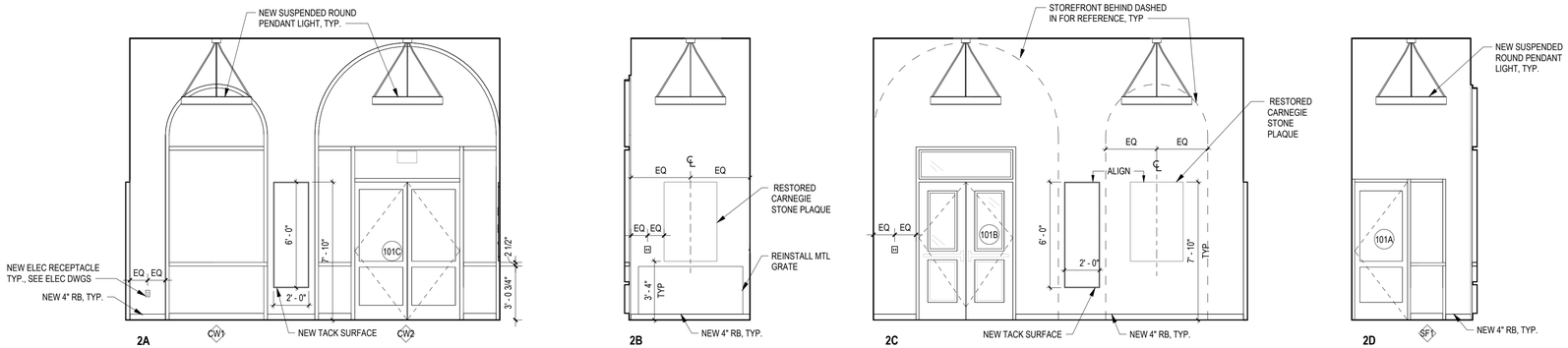
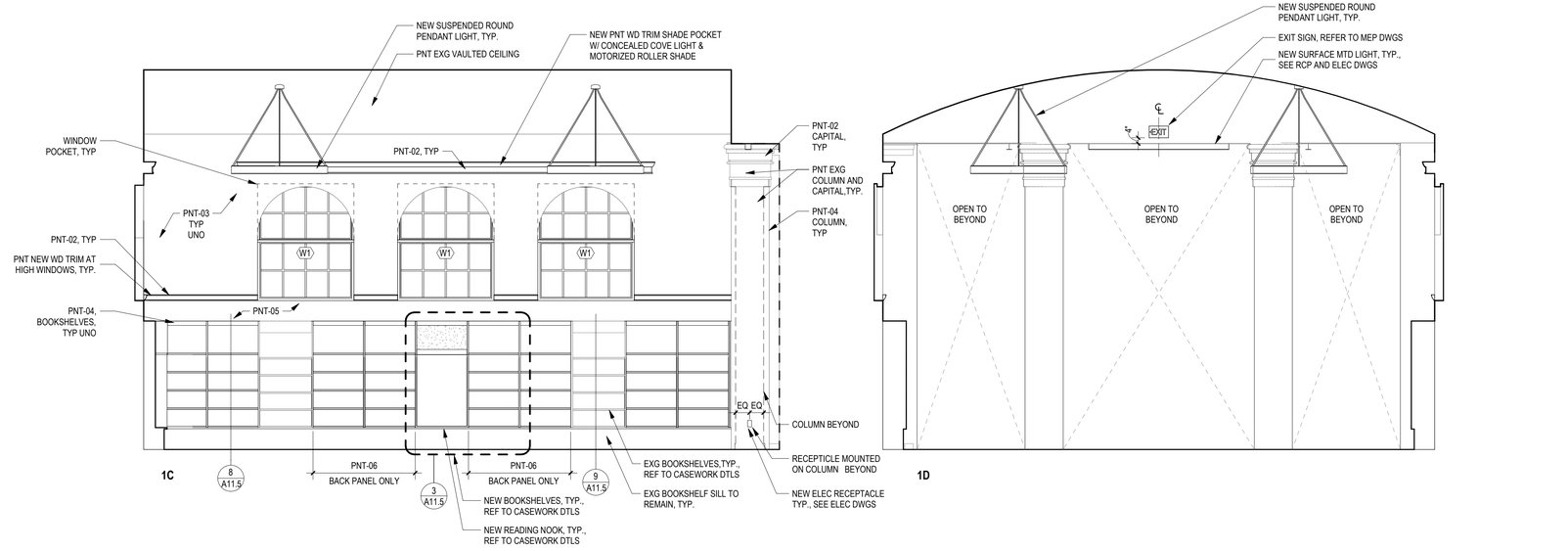
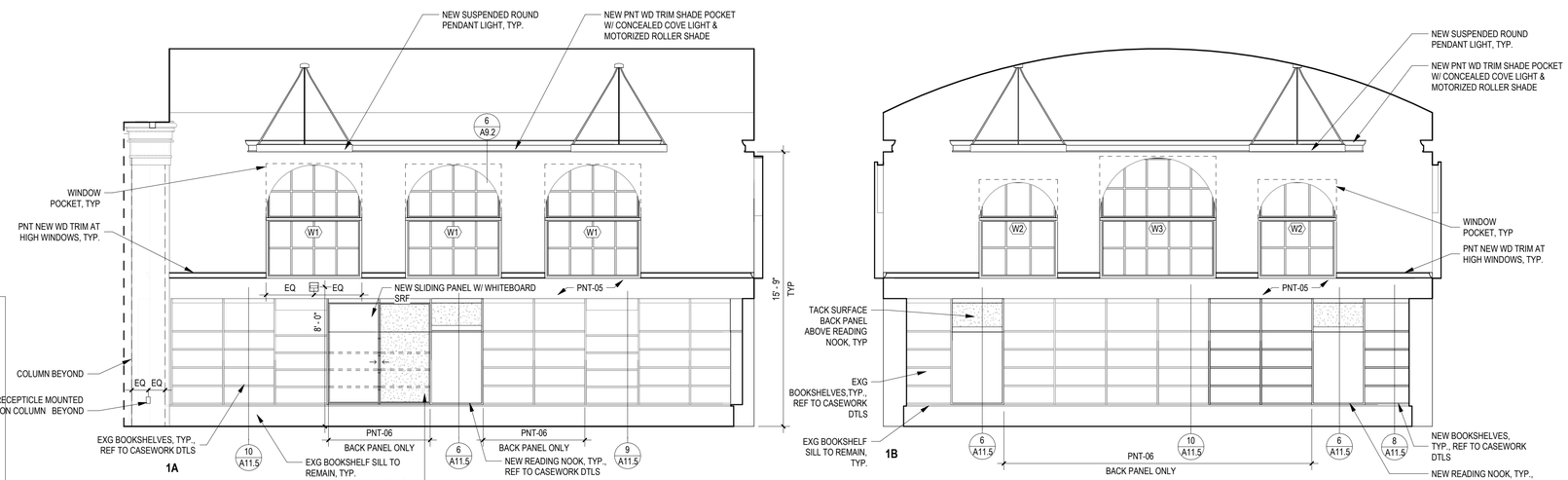


2 / A5.2 VESTIBULE 101
1/4" = 1'-0"





1 / A5.2 CHILDREN'S READING ROOM WING 105
1/4" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

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FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TODD HOODENPYLE No. RA016104X

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
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PROJECT TITLE

McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

INTERIOR ELEVATIONS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A5.2
DATE 04/09/2026	
SCALE AS NOTED	
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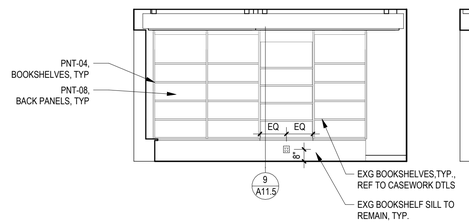

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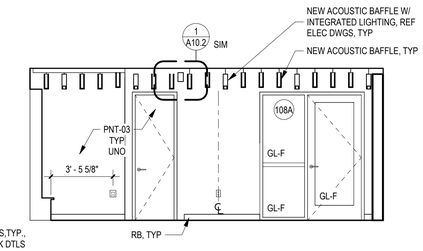

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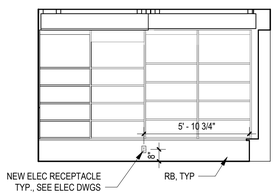

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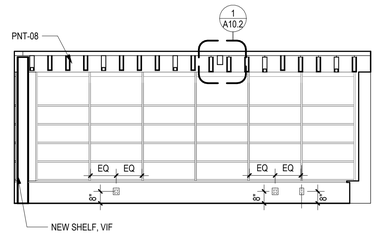

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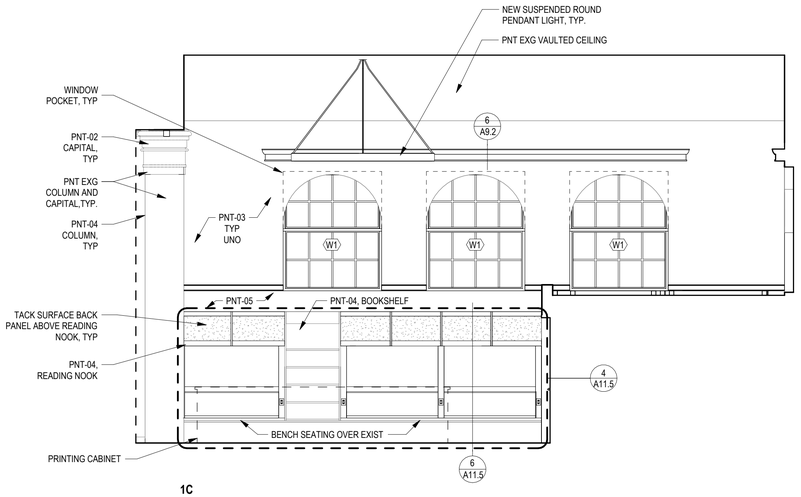
2 / A5.3 STAFF WORKROOM 108

1/4" = 1'-0"



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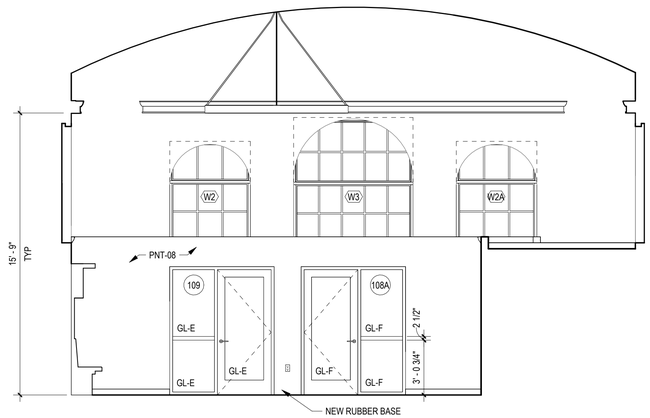

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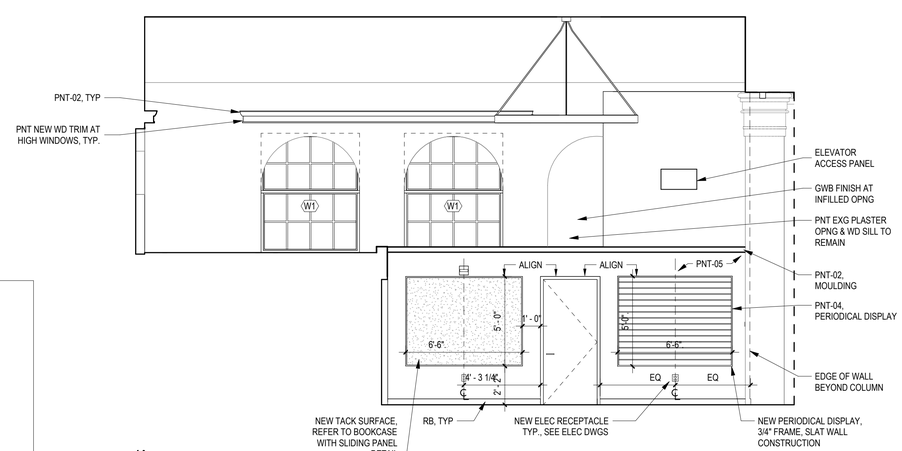

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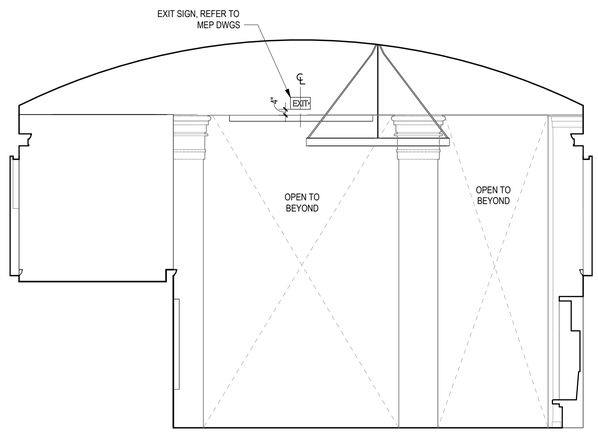

1B

1 / A5.3 COMPUTERS WING 104

1/4" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TODD ROCKWARD No. RA016106X

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

INTERIOR ELEVATIONS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A5.3
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JS / CC / SCR	
CHECKED BY Checker	FILE

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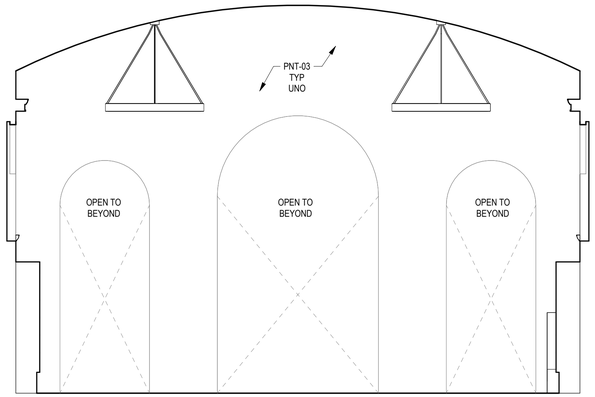

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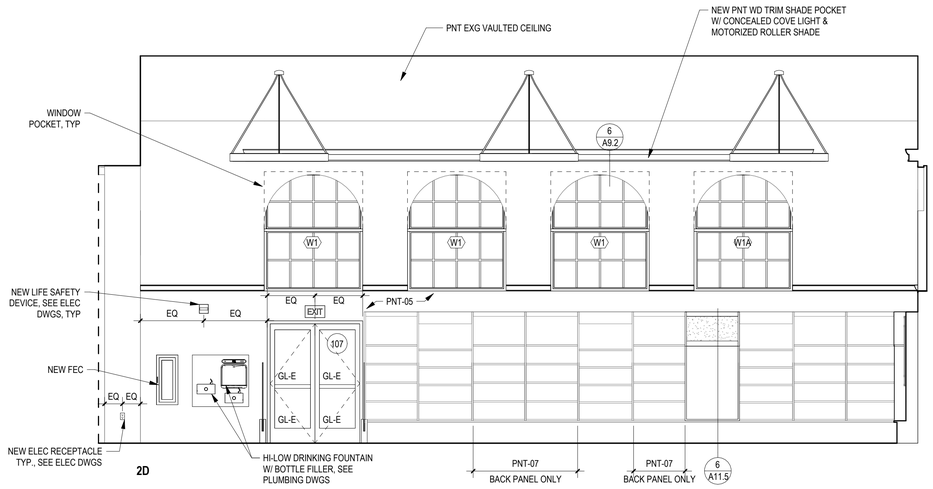

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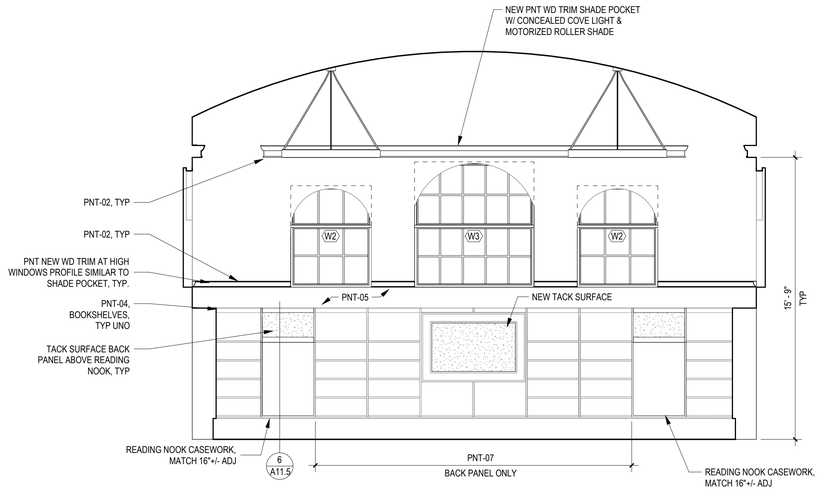

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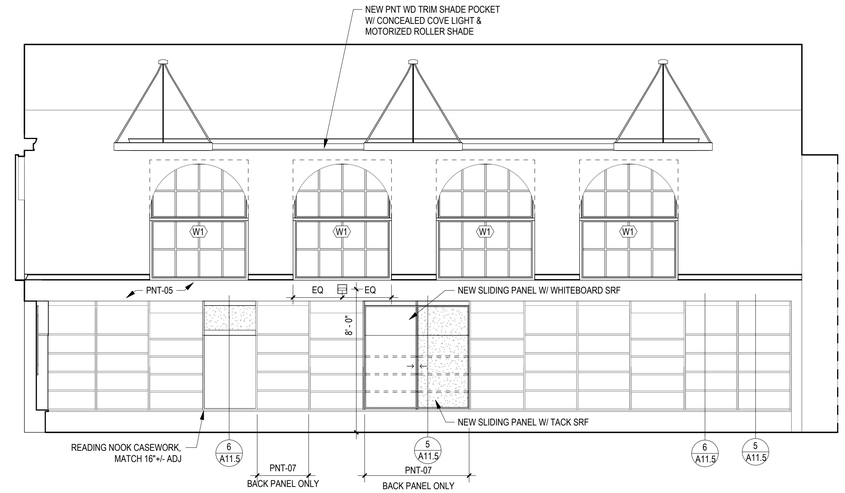
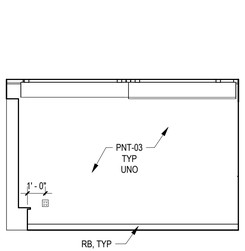


2B

2 / A5.4 TEEN SPACE / ADULT READING ROOM WING 107

1/4" = 1'-0"



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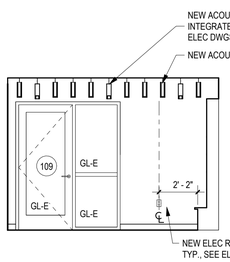

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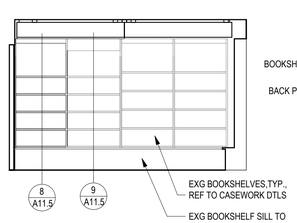

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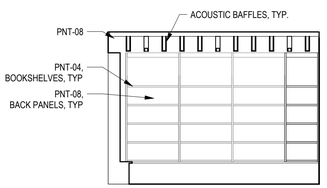

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1 / A5.4 MEETING ROOM 109

1/4" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
TODD HEDDERMAN No. RA405604

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY
RENOVATIONS AND PARK
IMPROVEMENTS

DRAWING TITLE
INTERIOR ELEVATIONS

PROJECT NO. (CITY | SMP)
52025-E-06-01 | 718.10

DRAWING NO.
A5.4

DATE
04/09/2026

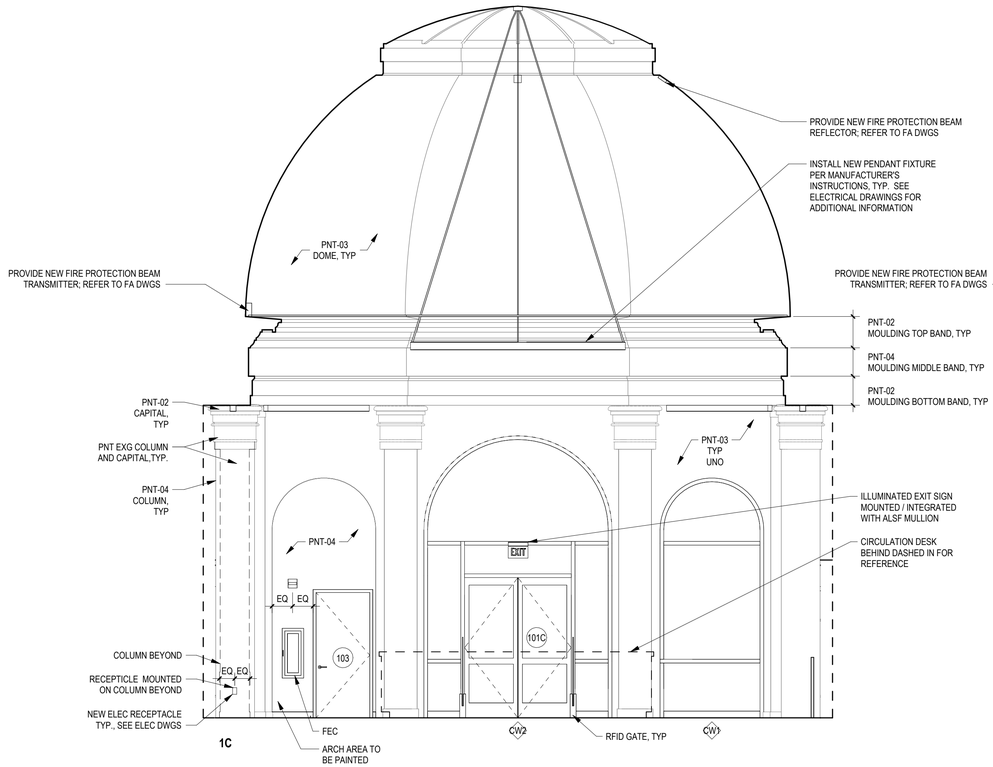
SCALE
AS NOTED

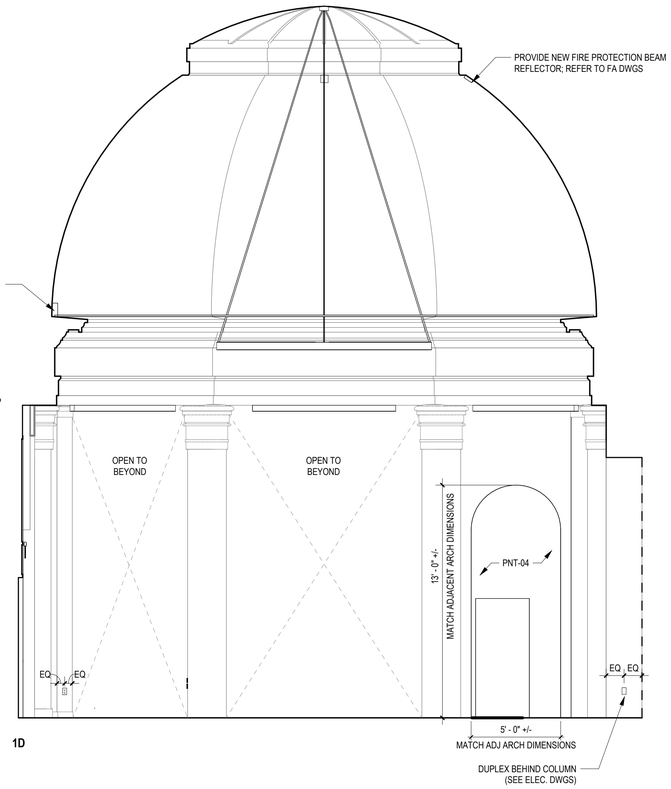
DRAWN BY
Author

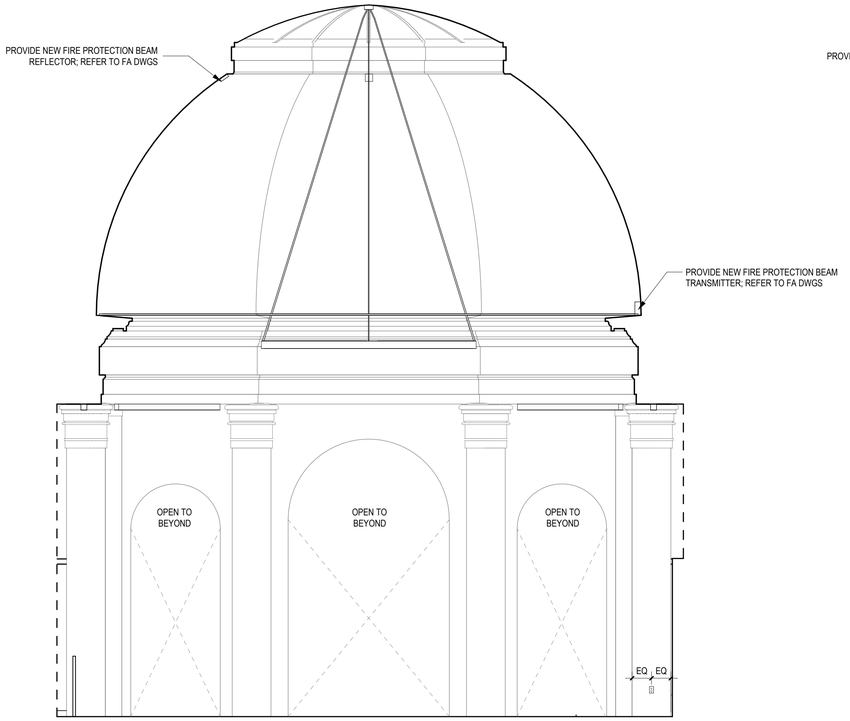
CHECKED BY
Checker

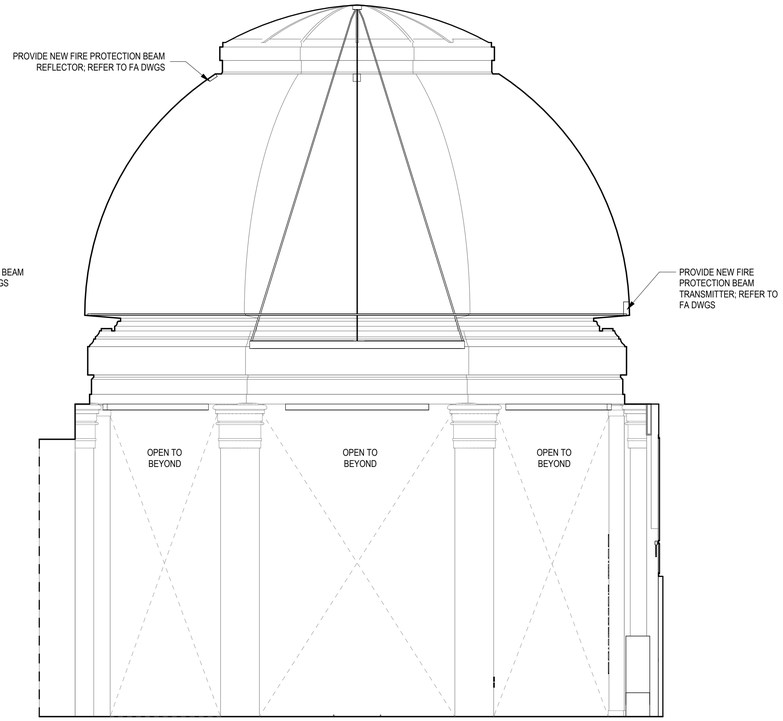
FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK









1 / A5.5 CIRCULATION 102
1/4" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TODD HOCKMAN No. RA051604

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

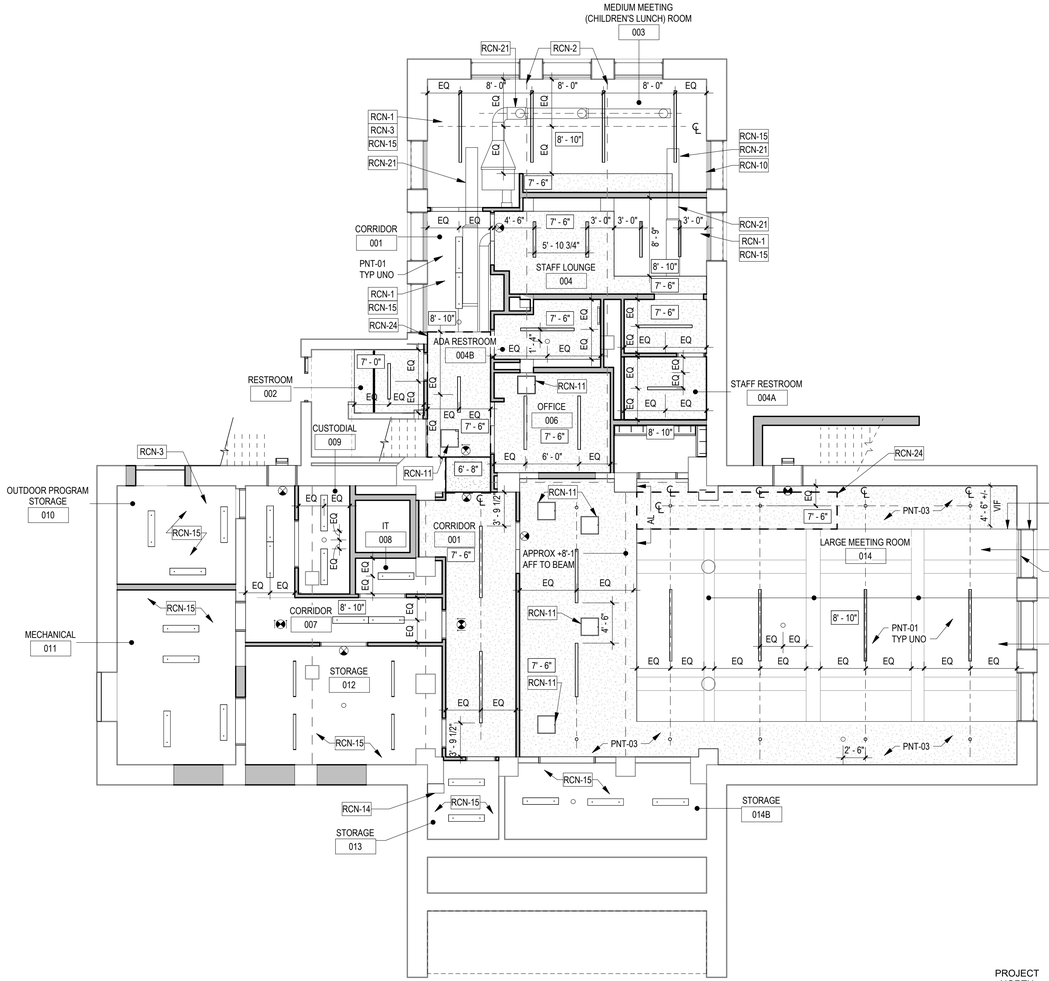
DRAWING TITLE
INTERIOR ELEVATIONS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A5.5
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JS / CC	
CHECKED BY Checker	FILE

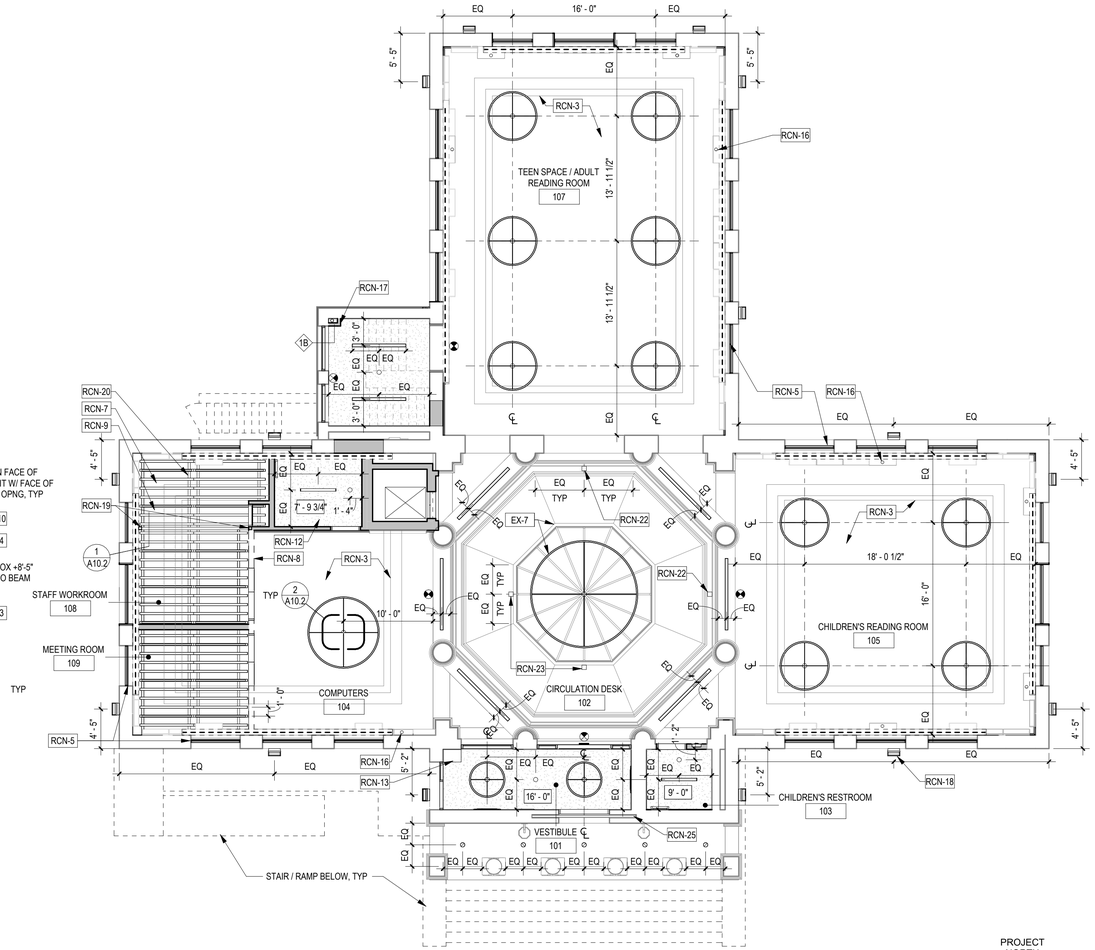
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

RCP LEGEND:

- 4' PENDANT MOUNTED LINEAR FIXTURE, SEE ELEC DWGS
- 8' PENDANT MOUNTED LINEAR FIXTURE, SEE ELEC DWGS
- 4' & 6' L RECESSED LINEAR FIXTURE, SEE ELEC DWGS
- SURFACE MOUNTED LINEAR FIXTURE
- RECESSED LED COVE UPLIGHT
- SURFACE MOUNTED VANITY FIXTURE, SEE ELEC DWGS
- RECESSED DOWNLIGHT, SEE ELEC DWGS
- SUSPENDED ROUND PENDANTS, SEE ELEC DWGS
- EXIST CEILING
- NEW SUSPENDED GWB CEILING
- SUSPENDED FELT SOUND BAFFLES, OPEN TO ABOVE
- REPAIR EXG MTL LATH & PLASTER CEILING
- ILLUMINATED EXIT SIGN, SEE ELEC DWGS
- FIRE HORN/STROBE, SEE ELEC DWGS
- SMOKE DETECTOR, SEE MEP DWGS
- JUNCTION BOX, SEE MEP DWGS
- 24x24 CEILING ACCESS PANEL
- OCCUPANCY SENSOR



2 A6.1 LOWER LEVEL RCP
1/8" = 1'-0"



1 A6.1 ENTRY LEVEL RCP
1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL REFLECTED CEILING PLAN NOTES

1. SEE MEP/FP/SS DWGS FOR ADDITIONAL DEMOLITION SCOPE.
2. PATCH & REPAIR EXISTING PLASTER CEILINGS TO REMAIN AS REQUIRED.
3. PAINT ALL EXISTING CEILINGS TO REMAIN.
4. ALL ELECTRIC WIRING, DATA, PLUMBING ETC TO BE BEHIND FINISHED WALLS OR ABOVE FINISHED CEILINGS UNLESS OTHERWISE NOTED; DEMO/PATCH/REPAIR OF EXISTING WALLS TO INCLUDE ALL DEMO NECESSARY PER MEP/FA/SS SCOPE. CONSULT ARCHITECT IF MEP/FP/SS EQUIPMENT REQUIRES INSTALLATIONS WHICH DIFFER FROM THOSE SHOWN IN THE DRAWINGS. ALL EXPOSED DUCTS AND CONDUITS TO BE PAINTED TO MATCH ADJACENT CEILINGS/WALLS.

KEYED CEILING NOTES (RCN)

RCN-1 EXISTING PLASTER CEILING TO REMAIN; APPROX +8'-10" AFF. NOTE PLASTER CEILING IS DIRECTLY ON FIRST FLOOR STRUCTURE (WOOD JOISTS); FLOOR TO FLOOR APPROX. 10' +/-
RCN-2 DASH INDICATES APPROX LOCATION OF EXG STL STRUCTURE (WITHIN CEILING PLENUM UNO).
RCN-3 PATCH/REPAIR AND PAINT EXG PLASTER CEILING AND TRIM AS REQUIRED TO ACHEIVE A UNIFORM AND SMOOTH FINISH.
RCN-4 PROVIDE MANUAL ROLLER SHADES, TYP ALL WINDOWS.
RCN-5 PROVIDE NEW POWERED ROLLER SHADE, TYP ALL HIGH WINDOWS.
RCN-6 EXG DOME & SKYLIGHT.
RCN-7 PROVIDE NEW ACOUSTIC BAFFLES @ 1'-0" O.C.
RCN-8 PROVIDE PARTIAL (8'-6") HEIGHT PARTITIONS AT STAFF WORKROOM, MEETING ROOM, ADA RESTROOM.
RCN-9 PROVIDE NEW ACOUSTIC BAFFLES WITH INTEGRATED LIGHT, REF TO RCP FOR LAYOUT.
RCN-10 PATCH/REPAIR EXG PLASTER CEILING WHERE DEMOLISHED AND PAINT TO ACHEIVE A UNIFORM AND SMOOTH FINISH.
RCN-11 PROVIDE NEW CEILING ACCESS PANEL, SEE MEP DWGS.
RCN-12 INSTALL NEW GYPSUM PLASTER CEILING AND PAINT TO ACHIEVE A UNIFORM AND SMOOTH FINISH.
RCN-13 RETAIN EXG SHAFT OPENING FOR INSTALL OF NEW ATTIC ACCESS HATCH W CONCEALED FLANGE.
RCN-14 INFILL EXG SHAFT VOID. MATCH ADJACENT.
RCN-15 COORDINATE LIGHTING WITH DUCTWORK. LOCATIONS TO BE APPROVED BY ARCHITECT BEFORE INSTALLATION.
RCN-16 PROVIDE NEW RECESSED DOWNLIGHT AT READING NOOKS, TYP.
RCN-17 FRAME OUT EXG DRAIN PIPE IN CEILING, VIF LOCATION OF FRAMING. PNT TO MATCH ADJACENT FINISH.
RCN-18 INSTALL NEW BLDG MTD EXT LIGHT TYP., SEE ELEC DWGS.
RCN-19 PROVIDE CFMF BOX POST SUPPORT FOR BOX BEAM.

KEYED CEILING NOTES (RCN)

RCN-20 PROVIDE ACOUSTIC BAFFLE SUPPORT STRUT WHERE INDICATED, TYP.
RCN-21 DO NOT PLACE DUCTWORK WITHIN 3' OF WINDOWS, TYP.
RCN-22 PROVIDE NEW FIRE PROTECTION BEAM TRANSMITTER, REFER TO FA DWGS
RCN-23 PROVIDE NEW FIRE PROTECTION BEAM REFLECTOR, REFER TO FA DWGS
RCN-24 COORDINATE MECHANICAL EQUIOMENT WITH NEW GWB CEILING AT HEIGHT INDICATED. CONSULT ARCHITECT IF CONDITIONS DIFFER FROM THOSE REPRESENTED IN THE DWGS.
RCN-25 INFILL EXG VOID WITH EXPANDING FOAM,COVER W 2x DIMENSIONAL LUMBER AND STUCCO FLUSH W EXT FACE OF WALL. EXT SURFACE TO MATCH EXG. PTD FINISH.

KEYED EXISTING NOTES

EX-7 EXISTING DOME AND SKYLIGHT TO REMAIN, TYP.

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA
Free Library of Philadelphia
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FIND YOUR PATH

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TODD R. GOODYEAR No. RA051604

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

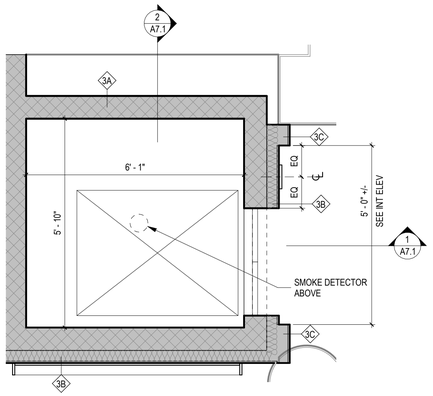
CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

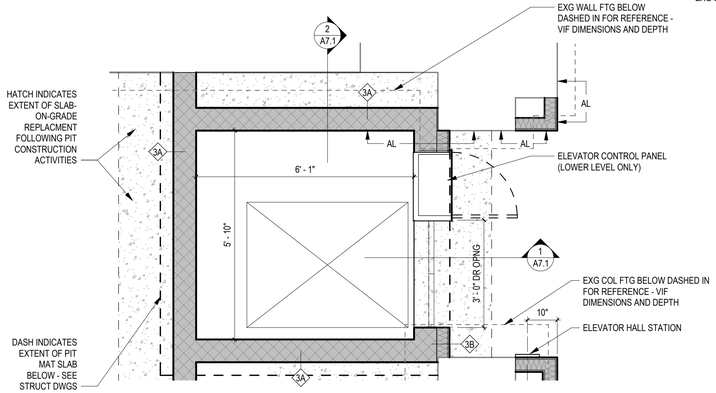
DRAWING TITLE
REFLECTED CEILING PLANS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A6.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JS / SCR	
CHECKED BY TW	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



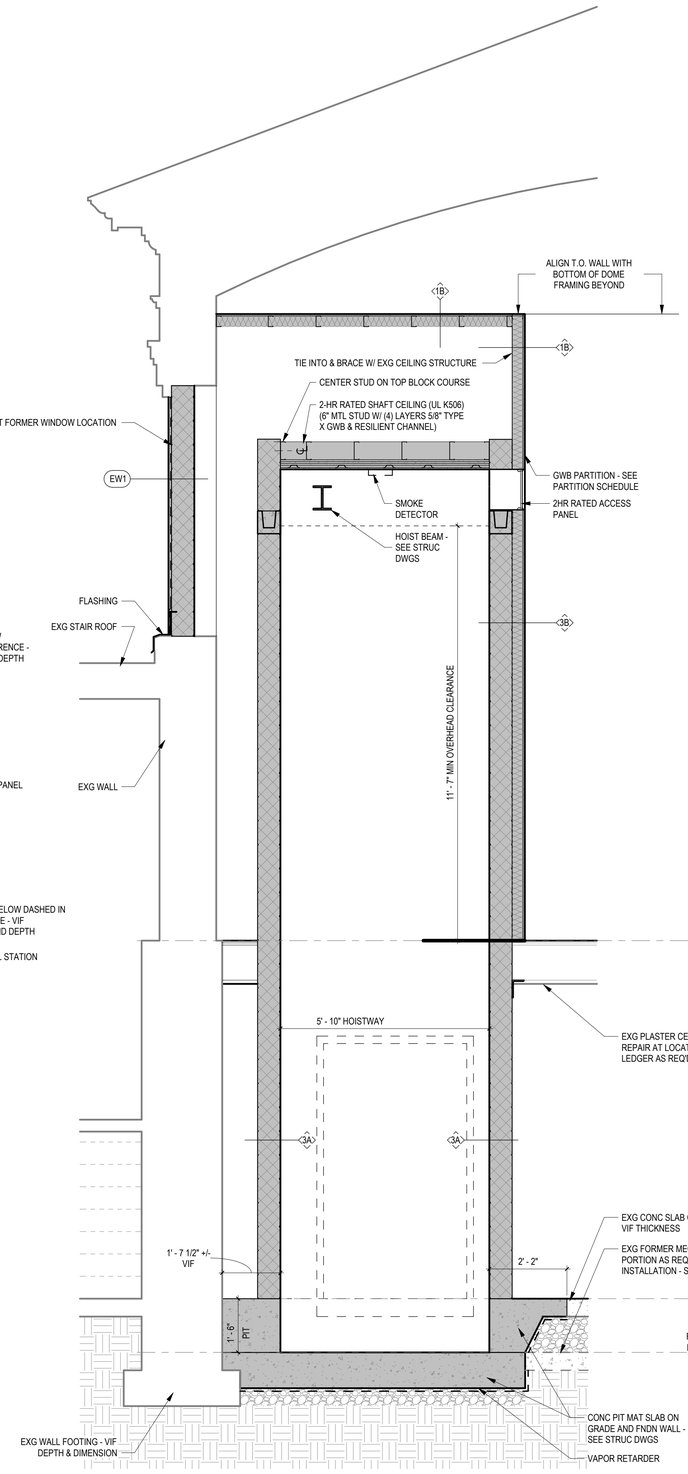
4 A7.1 ENLARGED ELEVATOR PLAN AT ENTRY LEVEL
1/2" = 1'-0"



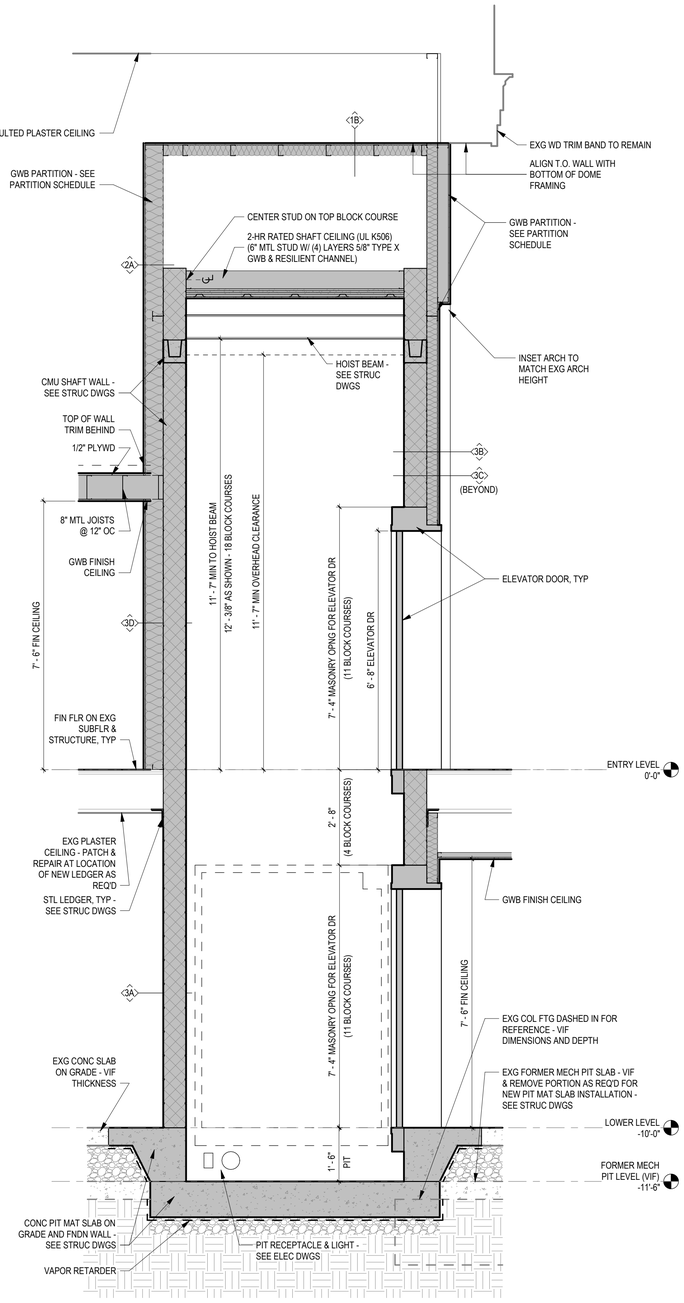
3 A7.1 ENLARGED ELEVATOR PLAN AT LOWER LEVEL
1/2" = 1'-0"

N

PLAN EXAMINER STAMP AREA:



2 A7.1 ELEVATOR SHAFT N/S SECTION
1/2" = 1'-0"



1 A7.1 ELEVATOR SHAFT E/W SECTION
1/2" = 1'-0"

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA THOMAS V. COCCHIARO No. RA015160X

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

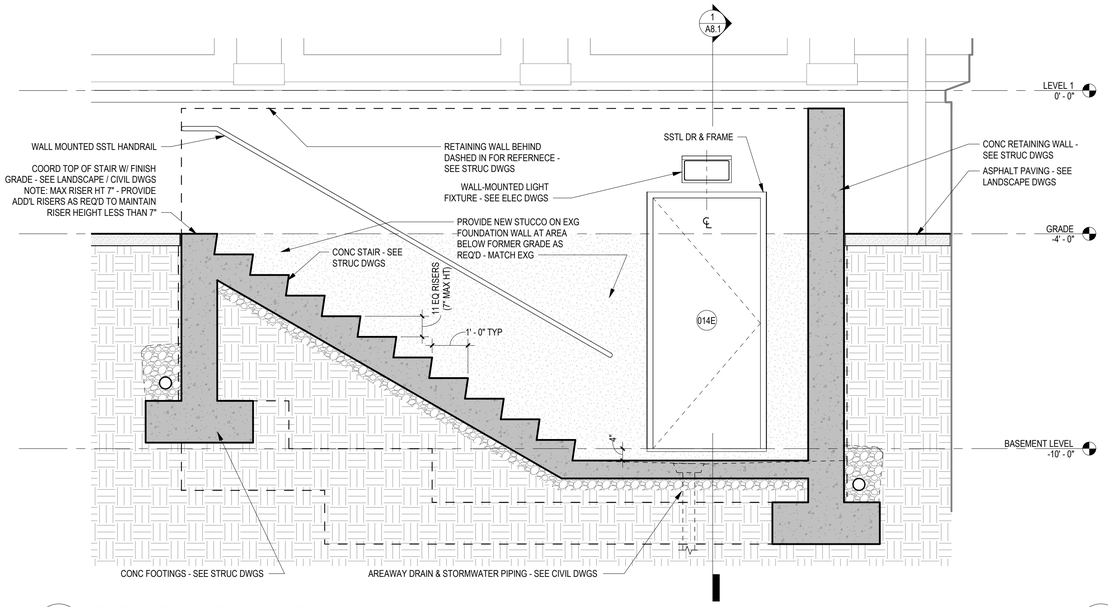
CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

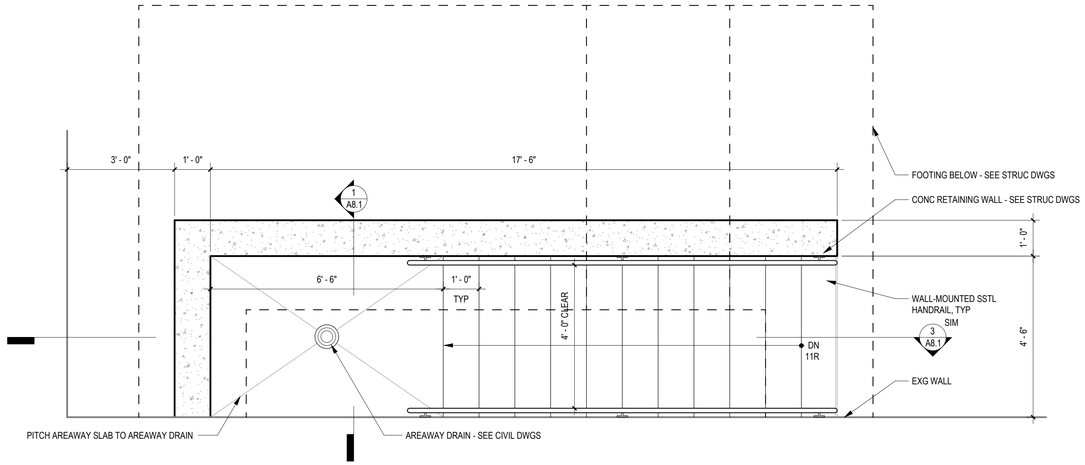
DRAWING TITLE
ELEVATOR SHAFT PLANS & SECTIONS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A7.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY MAC / SCR	
CHECKED BY TW	FILE

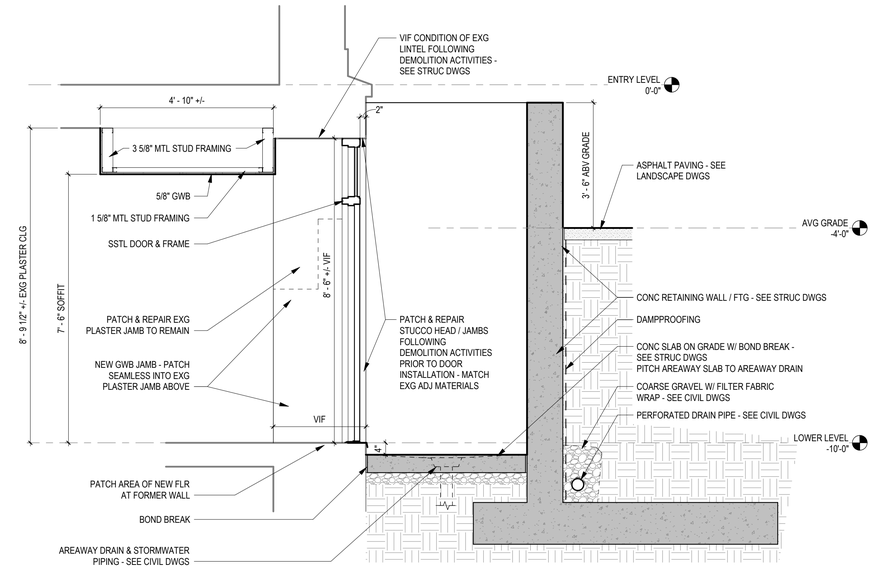
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



3 A8.1 SECTION THRU AREAWAY STAIR
1/2" = 1'-0"



2 A8.1 ENLARGED AREAWAY STAIR EAST
1/2" = 1'-0"



1 A8.1 SECTION THRU DOOR 014E & EXTERIOR STAIR / AREAWAY
1/2" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TOM WOODWARD No. RA051604X

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

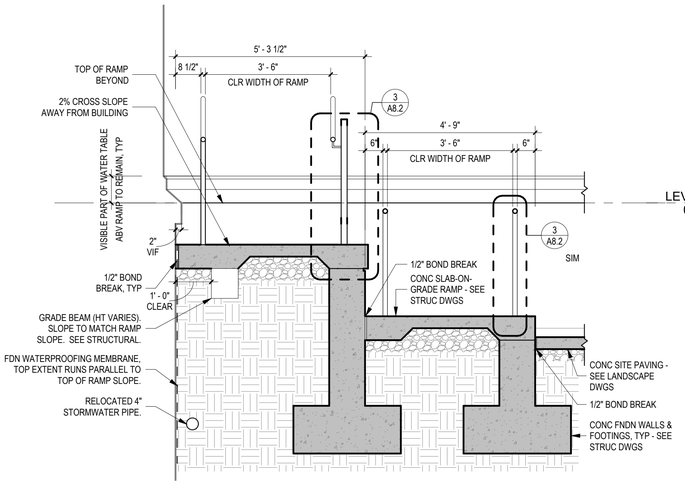
CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

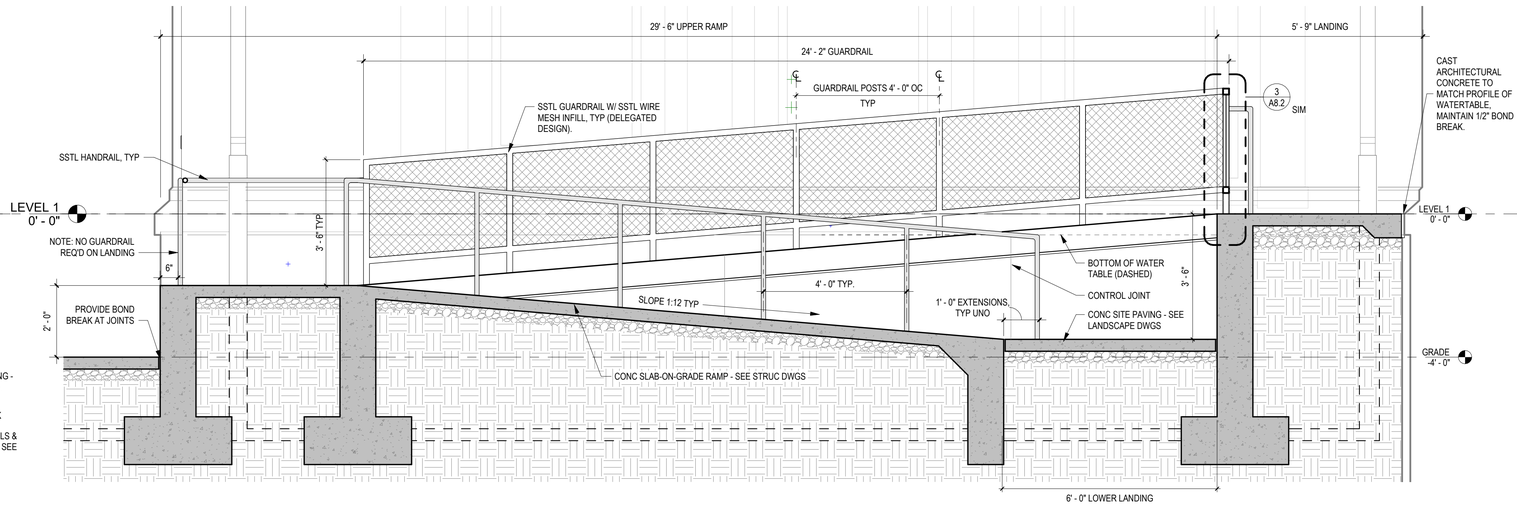
DRAWING TITLE
EXTERIOR STAIR & WALL SECTIONS

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO. A8.1
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: AB / SCR	
CHECKED BY: TW	FILE:

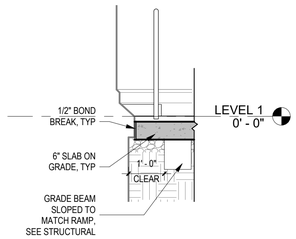
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



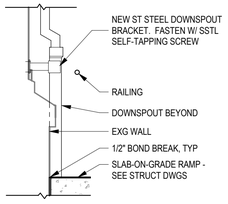
7 A8.2 **N-S SECTION THRU RAMP**
1/2" = 1'-0"



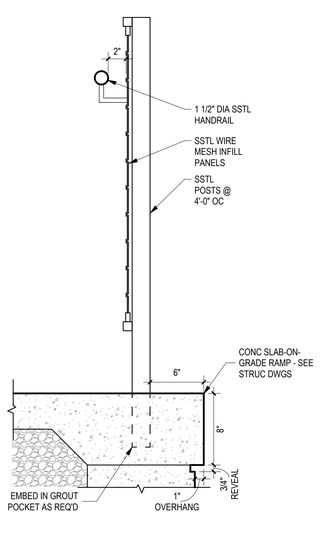
6 A8.2 **E-W SECTION THRU RAMP**
1/2" = 1'-0"



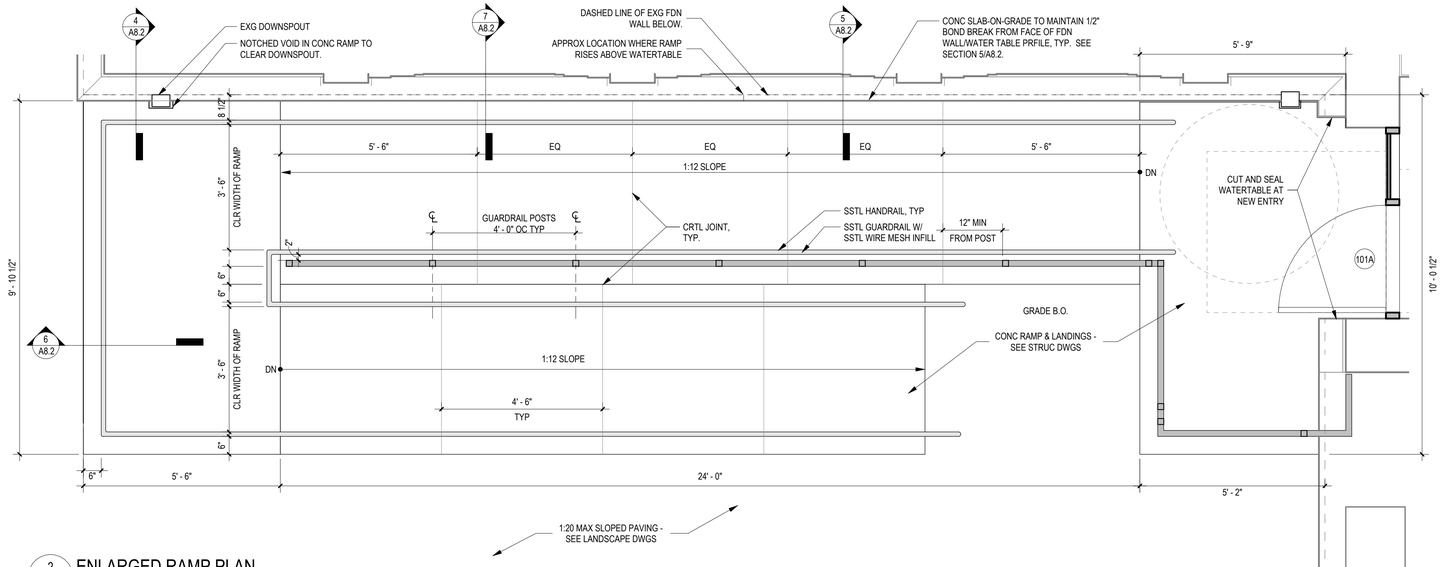
5 A8.2 **SECTION AT ENTRY LEVEL**
1/2" = 1'-0"



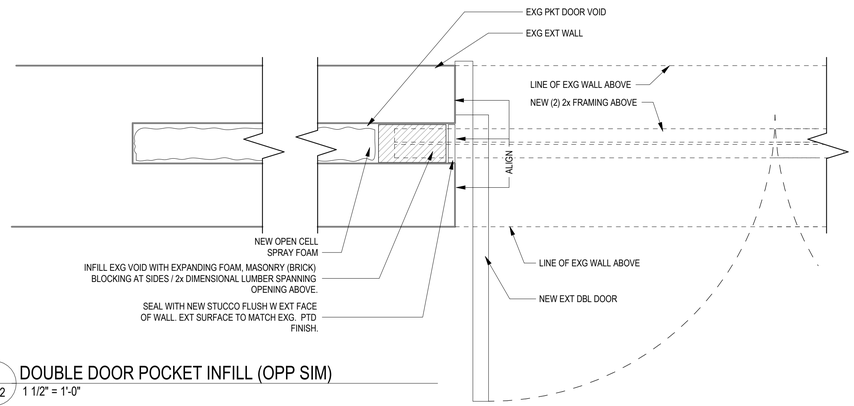
4 A8.2 **DOWNSPOUT DETAIL**
1/2" = 1'-0"



3 A8.2 **GUARDRAIL & HANDRAIL AT RAMP**
1 1/2" = 1'-0"



2 A8.2 **ENLARGED RAMP PLAN**
1/2" = 1'-0"



1 A8.2 **DOUBLE DOOR POCKET INFILL (OPP SIM)**
1 1/2" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PROJECT TEAM

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1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

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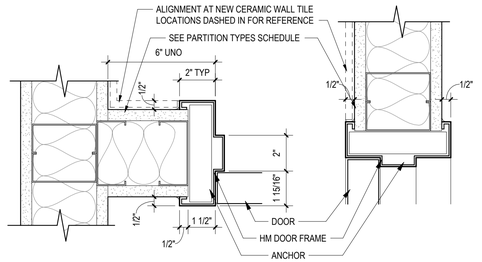
CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ENLARGED RAMP PLAN, SECTIONS, & DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A8.2
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AB / SCR	
CHECKED BY TW	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



A - TYP JAMB DETAIL AT GWB WALL

B - TYP HEAD DETAIL AT GWB WALL

GLAZING TYPES

TYPE GL-A: 1" CLEAR, LOW-E COATED, TEMPERED, INSULATED GLAZING UNIT

TYPE GL-B: 1" CLEAR, LOW-E COATED, TEMPERED, INSULATED GLAZING UNIT WITH IMPACT RESISTANT FILM

TYPE GL-C: 1" PRIVACY, LOW-E COATED, TEMPERED INSULATED GLAZING UNIT WITH IMPACT RESISTANT FILM

TYPE GL-D: 1" CLEAR, LOW-E COATED, TEMPERED, INSULATED GLAZING UNIT W/ SECURITY GLAZING

TYPE GL-E: 1/4" CLEAR, TEMPERED GLAZING

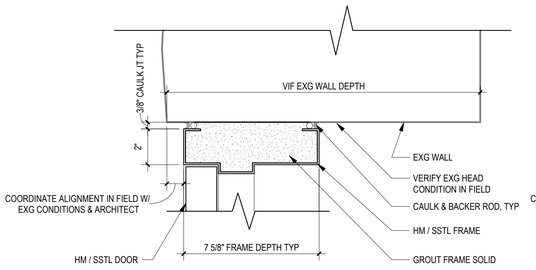
TYPE GL-F: 1/4" PRIVACY, TEMPERED GLAZING

DOOR SCHEDULE

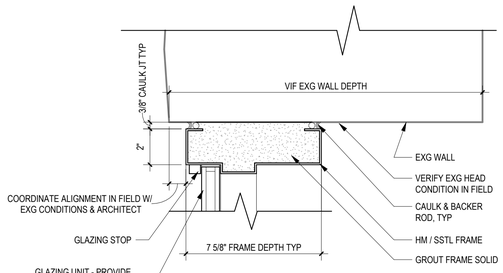
DOOR NO.	ROOM	INT	EXT	DOOR TYPE	DOOR MAT	DOOR FIN	DOOR RATING	DOOR WIDTH	DOOR HEIGHT	DOOR GLAZING	FRAME TYPE	FRAME MAT	FRAME FIN	DETAILS HEAD	DETAILS JAMB	HARDWARE	NOTES
002	RESTROOM	•		A	WD	FF	20 MINUTES	2' - 10"	7' - 0"	-	F1	HM	PNT	7B/A9.1	7A/A9.1		
003	MEDIUM MEETING (CHILDREN'S LUNCH) ROOM	•		C	WD	FF	20 MINUTES	3' - 0"	7' - 0"	GL-E	F2	HM	PNT	7B/A9.1 & 5B/A9.1	7A/A9.1 & 5C/A9.1	16.0	
004	STAFF LOUNGE	•		C	WD	FF	20 MINUTES	3' - 0"	7' - 0"	GL-F	F2	HM	PNT	7B/A9.1 & 5B/A9.1	7A/A9.1 & 5C/A9.1	7.0	
004A	STAFF RESTROOM	•		A	WD	FF	-	2' - 10"	7' - 0"	-	F1	HM	PNT	7B/A9.1	7A/A9.1	17.0	PROVIDE 1/2" DOOR UNDERCUT FOR VENTILATION
004B	ADA RESTROOM	•		A	WD	FF	20 MINUTES	2' - 10"	7' - 0"	-	F1	HM	PNT	7B/A9.1	7A/A9.1	19.0	PROVIDE 1/2" DOOR UNDERCUT FOR VENTILATION
004C	STAFF LOUNGE	•		A	-	-	-	5' - 6"	7' - 6"	-	1	WD	PNT	7B/A9.1	7A/A9.1	-	OPENING ONLY, NO DOOR
006	OFFICE	•		C	WD	FF	20 MINUTES	3' - 0"	7' - 0"	GL-F	F2	HM	PNT	7B/A9.1 & 5B/A9.1	7A/A9.1 & 5C/A9.1	16.0	
007A	CORRIDOR	•		A	WD	FF	20 MINUTES	3' - 0"	7' - 0"	-	F1	HM	PNT	7B/A9.1	7A/A9.1	8.0	
007B	CORRIDOR		•	A	SSTL	FF	-	3' - 0"	7' - 0"	-	F1	SSTL	FF	6B/A9.1	7A/A9.1	2.0	
008	IT	•		G	HM	PNT	20 MINUTES	5' - 0"	7' - 0"	-	F1	HM	PNT	7B/A9.1	7A/A9.1	10.0	
009	CUSTODIAL	•		G	HM	PNT	20 MINUTES	5' - 0"	7' - 0"	-	F1	HM	PNT	7B/A9.1	7A/A9.1	10.0	
010	OUTDOOR PROGRAM STORAGE	•		G	HM	PNT	20 MINUTES	3' - 0"	7' - 0"	-	F1	HM	PNT	6B/A9.1	6B/A9.1	14.0	
011A	MECHANICAL	•		A	HM	PNT	20 MINUTES	3' - 0"	7' - 0"	-	F1	HM	PNT	6B/A9.1	6B/A9.1	14.0	
011B	MECHANICAL	•		B	HM	PNT	-	5' - 0"	7' - 0"	-	F1	HM	PNT	6B/A9.1	6B/A9.1	9.0	
012A	STORAGE	•		A	WD	FF	20 MINUTES	3' - 0"	7' - 0"	-	F1	HM	PNT	7B/A9.1	7A/A9.1	14.0	
012B	STORAGE	•		G	HM	PNT	20 MINUTES	5' - 0"	7' - 0"	-	F1	HM	PNT	7B/A9.1	7A/A9.1	10.0	
013	STORAGE	•		A	WD	FF	-	3' - 0"	7' - 0"	-	F1	HM	PNT	7B/A9.1	7A/A9.1	13.0	
014A	PROGRAM STOR	•		G	HM	PNT	20 MINUTES	4' - 0"	7' - 0"	-	F1	HM	PNT	6B/A9.1	6B/A9.1	14.0	
014B	STORAGE	•		B	WD	FF	-	6' - 0"	7' - 0"	-	F1	HM	PNT	6B/A9.1	6B/A9.1	9.0	
014D	LARGE MEETING ROOM	•		C	WD	FF	20 MINUTES	3' - 0"	7' - 0"	GL-E	F2	HM	PNT	7B/A9.1 & 5B/A9.1	7A/A9.1 & 5C/A9.1	7.0	
014E	LARGE MEETING ROOM		•	A	SSTL	FF	-	3' - 0"	7' - 0"	-	F3	SSTL	FF	6B/A9.1	6B/A9.1	2.0	
101A	VESTIBULE		•	E	AL	FF	-	3' - 0"	7' - 10"	GL-D	ALSF	AL	FF	4I/A9.3	4A/A9.3 & 4C/A9.3	1.0	GLAZING W/ RIOTLITE LAMINATE. NO SECURITY BARS. WINDOW ALARM CONTACT.
101B	VESTIBULE		•	E	HM	PNT	-	5' - 8"	7' - 10"	GL-D	F4	HM	PNT	6D/A9.1	6D/A9.1	3.0	GLAZING W/ RIOTLITE LAMINATE. NO SECURITY BARS. WINDOW ALARM CONTACT.
101C	VESTIBULE	•		D	AL	FF	-	5' - 11 1/2"	7' - 10"	GL-E	ALSF	AL	FF	3J/A9.3	3D/A9.1	5.0	
103	CHILDREN'S RESTROOM	•		A	WD	FF	-	3' - 0"	7' - 0"	-	F1	HM	PNT	7B/A9.1	7A/A9.1	18.0	
106	ADA RESTROOM	•		A	WD	FF	-	3' - 0"	7' - 0"	-	F1	HM	PNT	7B/A9.1	7A/A9.1	19.0	PROVIDE 1/2" DOOR UNDERCUT FOR VENTILATION
107	TEEN SPACE / ADULT READING ROOM	•		D	WD	FF	-	5' - 0"	6' - 8"	GL-E	F1	HM	PNT	6B/A9.1	6B/A9.1	6.0	
108A	STAFF WORKROOM	•		C	WD	FF	-	3' - 0"	7' - 0"	GL-F	F2	HM	PNT	7B/A9.1 & 5B/A9.1	7A/A9.1 & 5C/A9.1	15.0	
108B	STAFF WORKROOM	•		A	WD	FF	-	2' - 2"	7' - 0"	-	F1	HM	PNT	7B/A9.1	7A/A9.1		
109	MEETING ROOM	•		C	WD	FF	-	3' - 0"	7' - 0"	GL-E	F2	HM	PNT	7B/A9.1 & 5B/A9.1	7A/A9.1 & 5C/A9.1	15.0	
110A	MECHANICAL		•	B	SSTL	FF	-	6' - 0"	7' - 0"	-	F1	SSTL	FF	6B/A9.1	-	4.0	
110B	STORAGE		•	B	SSTL	FF	-	6' - 0"	7' - 0"	-	F1	SSTL	FF	6B/A9.1	-	4.0	
ELEV - ENTRY LEVEL		•		ELEV	FF	FF		3' - 0"	6' - 8"								WITH ELEVATOR PACKAGE
ELEV - LOWER LEVEL	CORRIDOR	•		ELEV	FF	FF		3' - 0"	6' - 8"								WITH ELEVATOR PACKAGE
ST1	ENTRY STAIR		•	E	AL	FF	-	3' - 0"	7' - 10"	GL-D	ALSF	AL	FF	4F/A9.3	4A/A9.3 & 4C/A9.3	1.0	GLAZING W/ RIOTLITE LAMINATE. NO SECURITY BARS. WINDOW ALARM CONTACT.
ST2	BASEMENT STAIR ENCLOSURE		•	-	SSTL	-	-	2' - 10"	7' - 0"	-	-	SSTL	FF	-	-	20.0	GATE AT BASEMENT STAIR MESH ENCLOSURE (DELEGATED DESIGN)

7 A9.1 INTERIOR DOOR FRAME DETAILS

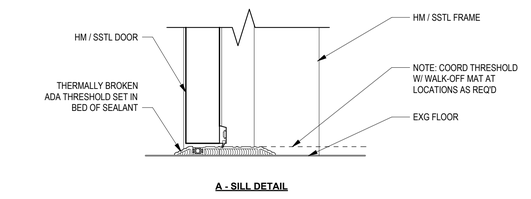
3" = 1'-0"



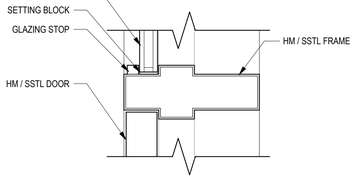
B - HEAD DETAIL (JAMB SIMILAR)



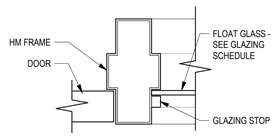
D - HEAD DETAIL AT GL TRANSOM (JAMB SIMILAR)



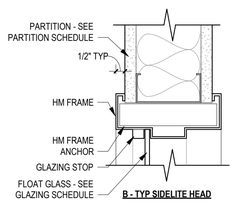
A - SILL DETAIL



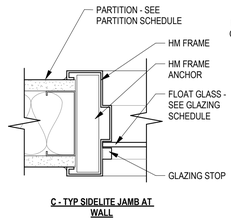
C - DR TRANSITION DETAIL AT GL TRANSOM



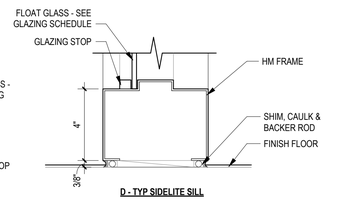
A - TYP SIDELIGHT JAMB AT DOOR



B - TYP SIDELITE HEAD



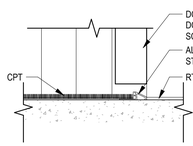
C - TYP SIDELITE JAMB AT WALL



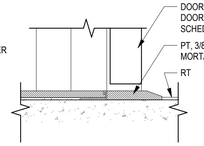
D - TYP SIDELITE SILL

6 A9.1 TYPICAL DOOR FRAME DETAILS AT EXG WALL

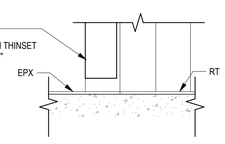
3" = 1'-0"



TYPE A - CPT TO RT



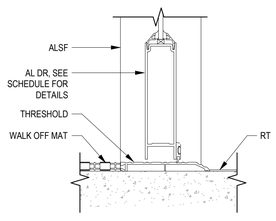
TYPE B - PT TO RT



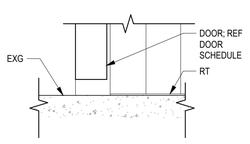
TYPE C - EPX TO RT

5 A9.1 TYPICAL INTERIOR DOOR FRAME AND SIDELITE DETAILS

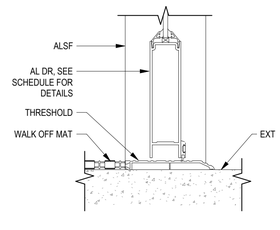
3" = 1'-0"



TYPE D - WOM TO RT



TYPE E - EXG TO RT



TYPE A - WOM TO RT

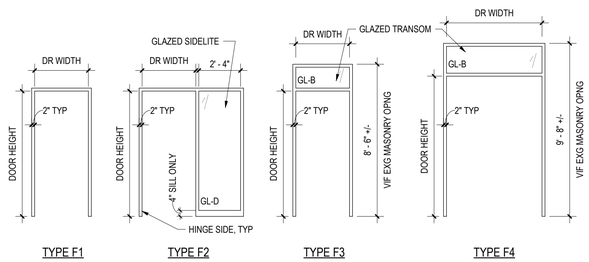
4 A9.1 DOOR DETAILS - INTERIOR THRESHOLDS

3" = 1'-0"

3 A9.1 DOOR DETAILS - EXTERIOR THRESHOLDS

3" = 1'-0"

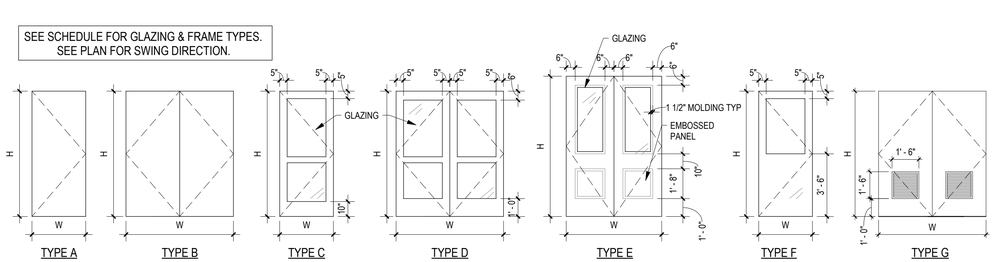
PLAN EXAMINER STAMP AREA:



2 A9.1 FRAME TYPES

1/4" = 1'-0"

SEE SCHEDULE FOR GLAZING & FRAME TYPES.
SEE PLAN FOR SWING DIRECTION.



1 A9.1 DOOR TYPES

1/4" = 1'-0"

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TODD WOODWARD No. RA435160

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

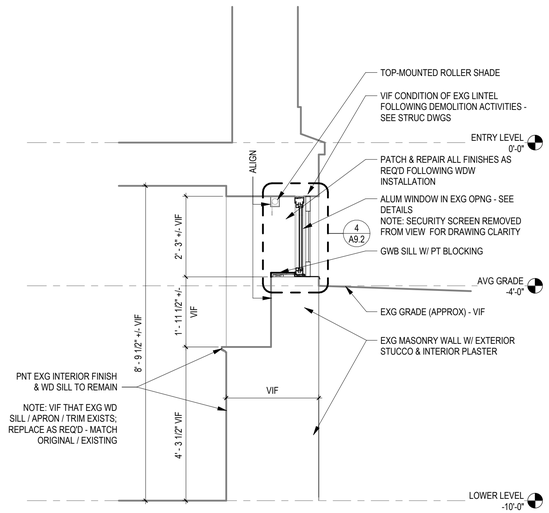
CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

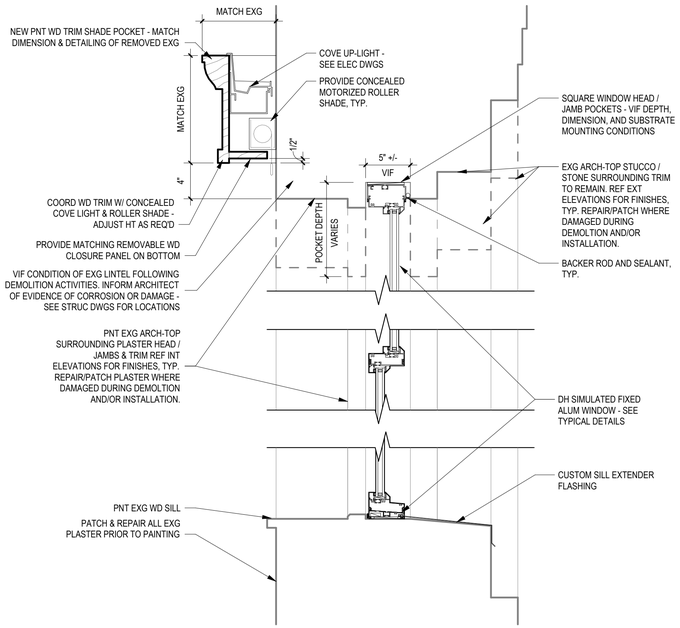
DRAWING TITLE
DOOR SCHEDULE, TYPES, & DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A9.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AB / SCR	
CHECKED BY TW	FILE

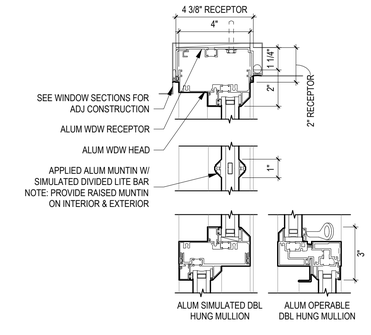
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



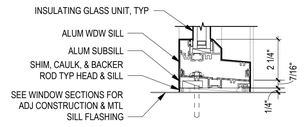
7 A9.2 TYPICAL WINDOW SECTION AT LOWER LEVEL
1/2" = 1'-0"



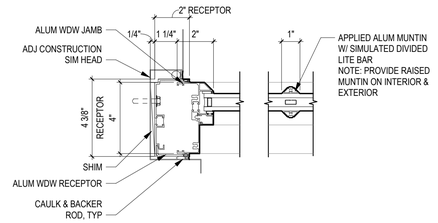
6 A9.2 ENLARGED UPPER LEVEL WINDOW DETAILS
1 1/2" = 1'-0"



5A TYPICAL HEAD/ MULLION AT ALUMINUM WINDOW

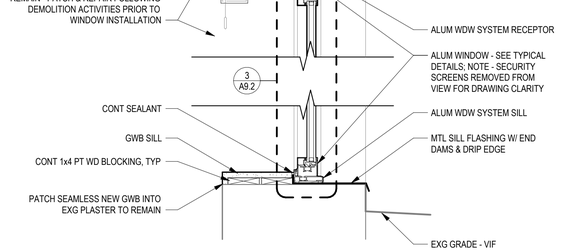


5B TYPICAL SILL AT ALUMINUM WINDOW

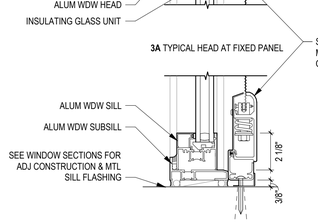


5C TYPICAL JAMB AT UPPER "SASH" (LOWER "SASH" SIM)

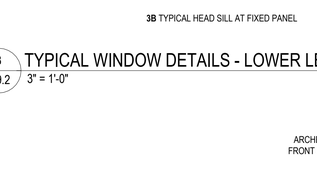
5 A9.2 TYPICAL WINDOW DETAILS - UPPER LEVEL
3" = 1'-0"



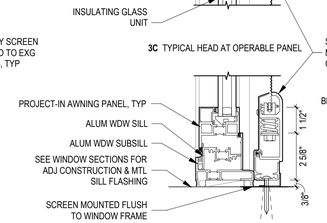
4 A9.2 ENLARGED LOWER LEVEL WINDOW DETAILS
1 1/2" = 1'-0"



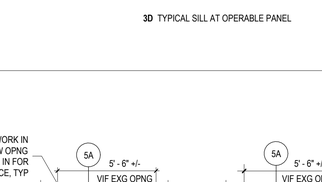
3A TYPICAL HEAD AT FIXED PANEL



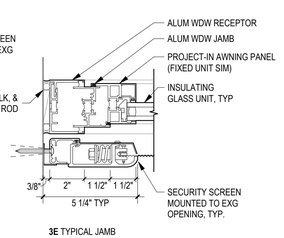
3B TYPICAL HEAD SILL AT FIXED PANEL



3C TYPICAL HEAD AT OPERABLE PANEL



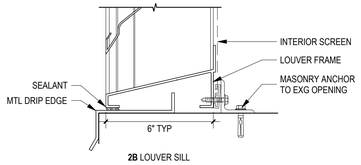
3D TYPICAL SILL AT OPERABLE PANEL



3E TYPICAL JAMB

3 A9.2 TYPICAL WINDOW DETAILS - LOWER LEVEL
3" = 1'-0"

2A LOUVER HEAD



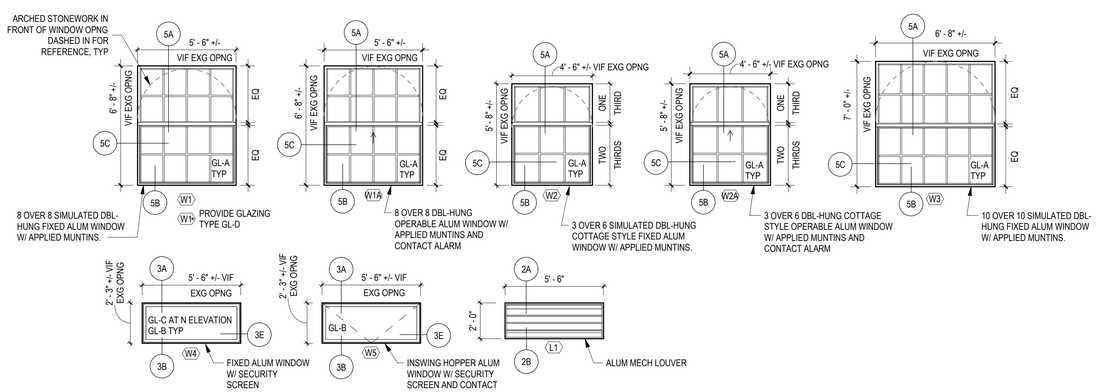
2B LOUVER SILL

2 A9.2 TYPICAL LOUVER DETAILS
3" = 1'-0"

GENERAL NOTES

1. VIF ALL EXG HEAD/SILL/JAMB CONDITIONS
2. PROTECT EXG WINDOWS ARCHES DURING CONSTRUCTION

GLAZING TYPES	
TYPE GL-A:	1" CLEAR, LOW-E COATED, TEMPERED, INSULATED GLAZING UNIT
TYPE GL-B:	1" CLEAR, LOW-E COATED, TEMPERED, INSULATED GLAZING UNIT WITH IMPACT RESISTANT FILM
TYPE GL-C:	1" PRIVACY, LOW-E COATED, TEMPERED INSULATED GLAZING UNIT WITH IMPACT RESISTANT FILM
TYPE GL-D:	1" CLEAR, LOW-E COATED, TEMPERED, INSULATED GLAZING UNIT W/ SECURITY GLAZING
TYPE GL-E:	1/4" CLEAR, TEMPERED GLAZING
TYPE GL-F:	1/4" PRIVACY, TEMPERED GLAZING



1 A9.2 WINDOW / LOUVER TYPES
1/4" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

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PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
WINDOW TYPES & DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A9.2
DATE 04/09/2026	
SCALE AS NOTED	
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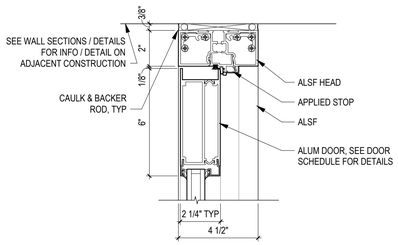
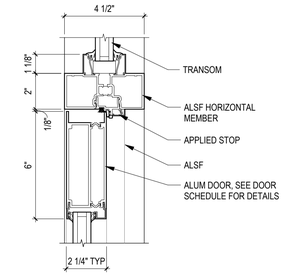
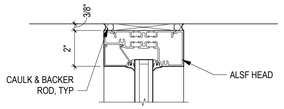


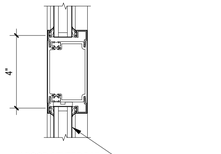
4I DOOR HEAD AT WALL



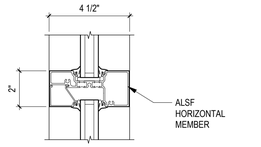
4J DOOR HEAD AT TRANSOM



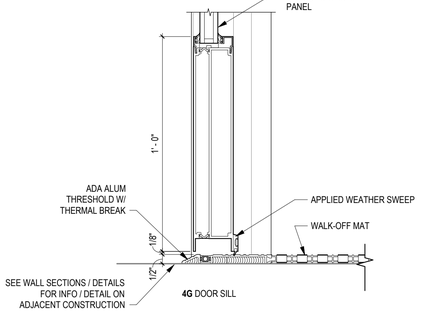
4F STOREFRONT HEAD



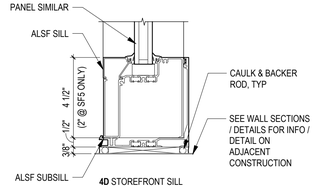
4H DOOR CENTER RAIL



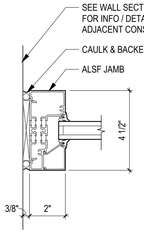
4E INTERMEDIATE MULLION



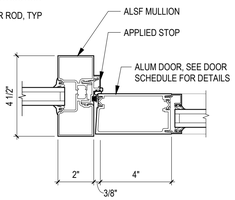
4G DOOR SILL



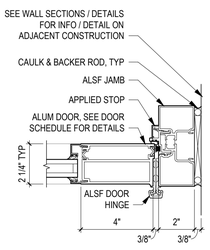
4D STOREFRONT SILL



4C JAMB AT WALL



4B DOOR JAMB AT SIDELITE



4A DOOR JAMB AT WALL

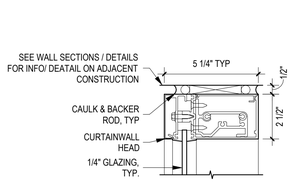
4 A9.3 ALUMINUM STOREFRONT DETAILS

3" = 1'-0"

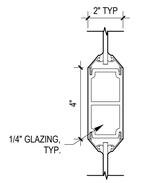
INTERIOR PARTITION & EXTERIOR WALL TYPES

TYPE	DESCRIPTION	HEIGHT	FIRE RATING	STC RATING	PLAN DETAIL	SPECIFICATION
1A	3 5/8" MTL STUD PARTITION	TO UNDERSIDE OF DECK, U.N.O.	0	40	4 7/8"	3 5/8" MTL STUDS @ 16" OC, 3 1/2" SOUND BATT INSULATION, 5/8" GWB BOTH SIDES.
1B	3 5/8" MTL STUD, 5/8" GWB ONE SIDE	TO UNDERSIDE OF DECK, U.N.O.	0	34	4 1/4"	3 5/8" MTL STUDS @ 16" OC, 3 1/2" SOUND BATT INSULATION, 5/8" GWB ONE SIDE.
1C	RATED 3 5/8" MTL STUD PARTITION	TO UNDERSIDE OF DECK, U.N.O.	1	40	4 7/8"	3 5/8" MTL STUDS @ 16" OC, 3 1/2" SOUND BATT INSULATION, 5/8" GWB BOTH SIDES.
2A	6" MTL STUD PARTITION	TO UNDERSIDE OF DECK, U.N.O.	0	44	7 1/4"	6" MTL STUDS @ 16" OC, 6" SOUND BATT INSULATION, 5/8" GWB BOTH SIDES.
3A	8" (NOM) CMU	TO UNDERSIDE OF DECK, U.N.O.	2 HR	-	7 5/8"	8" NOMINAL CONCRETE MASONRY UNIT.
3B	8" (NOM) CMU W/ 3 5/8" MTL STUD & 5/8" GWB ONE SIDE	TO UNDERSIDE OF DECK, U.N.O.	2 HR	-	11 7/8"	8" NOMINAL CONCRETE MASONRY UNIT, 3 5/8" MTL STUDS @ 16" OC, 3 1/2" SOUND BATT INSULATION, 5/8" GWB ONE SIDE.
3C	8" (NOM) CMU W/ DBL 3 5/8" MTL STUD & 5/8" GWB ONE SIDE	TO UNDERSIDE OF DECK, U.N.O.	2 HR	-	1' - 3 1/2"	8" NOMINAL CONCRETE MASONRY UNIT, (2) LAYERS 3 5/8" MTL STUDS @ 16" OC, 3 1/2" SOUND BATT INSULATION, 5/8" GWB ONE SIDE.
3D	8" (NOM) CMU W/ 6" MTL STUD & 5/8" GWB ONE SIDE	TO UNDERSIDE OF DECK, U.N.O.	2 HR	-	1' - 2 1/4"	8" NOMINAL CONCRETE MASONRY UNIT, 6" MTL STUDS @ 16" OC, 6" SOUND BATT INSULATION, 5/8" GWB ONE SIDE.
4A	EXG INTERIOR WALL INFILL	TO UNDERSIDE OF DECK, U.N.O.	0	40-44	VARIES	MTL STUDS @ 16" OC, SIZED AS REQ'D TO MATCH EXG WALL THICKNESS, 5/8" GWB BOTH SIDES. PATCH INTO EXG WALL FINISH.
5	FURRING WALL	TO UNDERSIDE OF DECK, U.N.O.	0	-	1 1/2"	7/8" MTL HAT CHANNEL @ 16" OC 5/8" GWB ONE SIDE.
EW1	8" (NOM) CMU W/ EXTERIOR STUCCO FINISH	TO FILL EXG OPNG	0	-	VARIES	8" NOMINAL CONCRETE MASONRY UNIT, 3-PART STUCCO OVER MEMBRANE DRAINGAGE BD & WATERPROOFING LAYER. PROVIDE INTERIOR FINISH OF GWB OVER 7/8" HAT CHANNEL AT LOCATIONS EXPOSED TO VIEW.

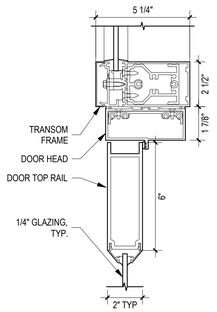
NOTES:
1. PROVIDE ABUSE-RESISTANT TYPE 'X' GWB AT ALL WALL LOCATIONS.
2. PROVIDE CEMENTITIOUS BACKERBOARD SUBSTRATE AT TILE LOCATIONS.
3. PROVIDE MOISTURE/MOLD RESISTANT GWB IN ALL DAMP/WET LOCATIONS AND LOWER LEVEL PERIMETER WALLS.
4. ALL NEW GWB CEILINGS AND SOFFIT WALLS TO BE TYPE 'C' GWB, U.N.O. SOFFIT CONSTRUCTION TO BE PARTITION TYPE 1B U.N.O.



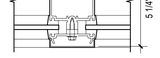
3J HEAD



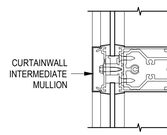
3F DOOR INTERMEDIATE RAIL



3G DOOR HEAD AT TRANSOM



3C VERTICAL MULLION



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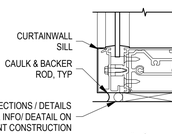
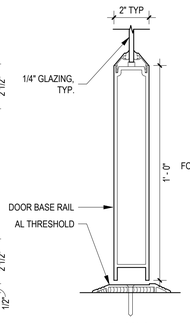
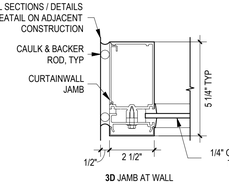


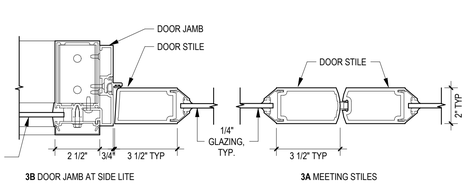
3H SILL



3E DOOR SILL



3D JAMB AT WALL



3B DOOR JAMB AT SIDE LITE

3A MEETING STILES

3 A9.3 ALUMINUM CURTAINWALL DETAILS

3" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTES

1. VIF ALL EXG HEAD/SILL/JAMB CONDITIONS
2. PROTECT EXG WINDOWS ARCHES DURING CONSTRUCTION

GLAZING TYPES

TYPE GL-A: 1" CLEAR, LOW-E COATED, TEMPERED, INSULATED GLAZING UNIT

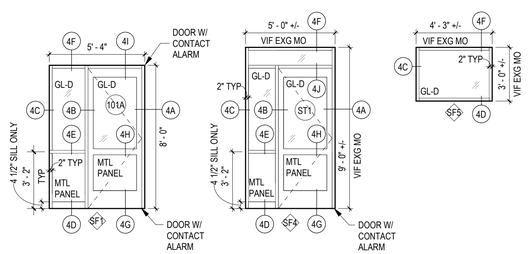
TYPE GL-B: 1" CLEAR, LOW-E COATED, TEMPERED, INSULATED GLAZING UNIT WITH IMPACT RESISTANT FILM

TYPE GL-C: 1" PRIVACY, LOW-E COATED, TEMPERED INSULATED GLAZING UNIT WITH IMPACT RESISTANT FILM

TYPE GL-D: 1" CLEAR, LOW-E COATED, TEMPERED, INSULATED GLAZING UNIT W/ SECURITY GLAZING

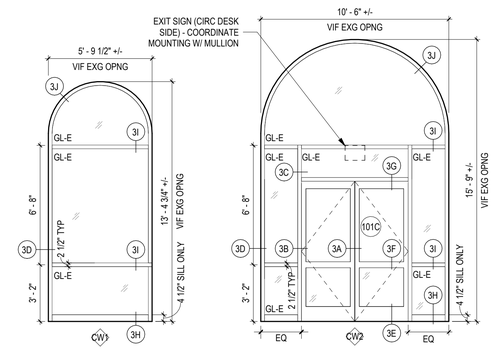
TYPE GL-E: 1/4" CLEAR, TEMPERED GLAZING

TYPE GL-F: 1/4" PRIVACY, TEMPERED GLAZING



2 A9.3 ALUMINUM STOREFRONT TYPES

1/4" = 1'-0"



1 A9.3 ALUMINUM CURTAINWALL TYPES

1/4" = 1'-0"

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TODD HOODWARD No. RA405106X

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

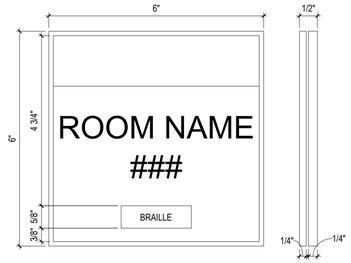
CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
PARTITION & STOREFRONT TYPES & DETAILS

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO. A9.3
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: AB / SCR	
CHECKED BY: TW	FILE:

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



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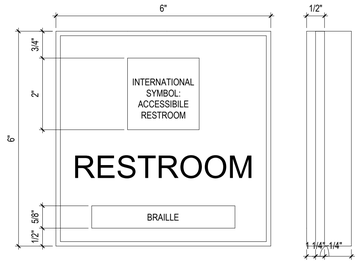

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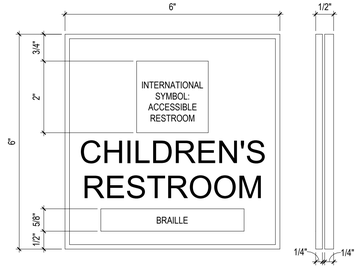
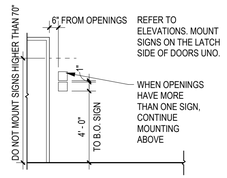
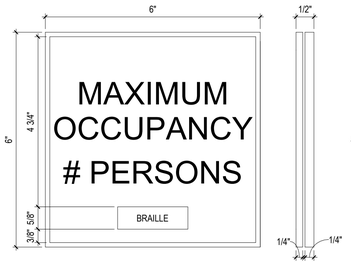


TYPE C



2 A9.4 TYPICAL SIGNAGE MOUTING
1/4" = 1'-0"



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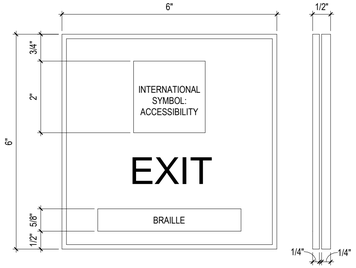
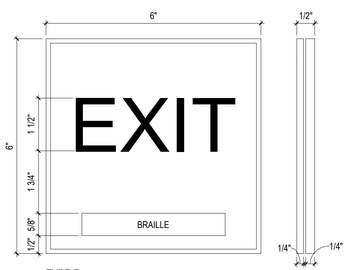


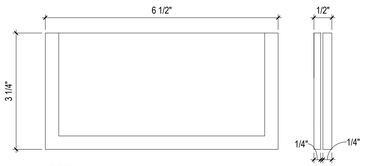
TYPE E



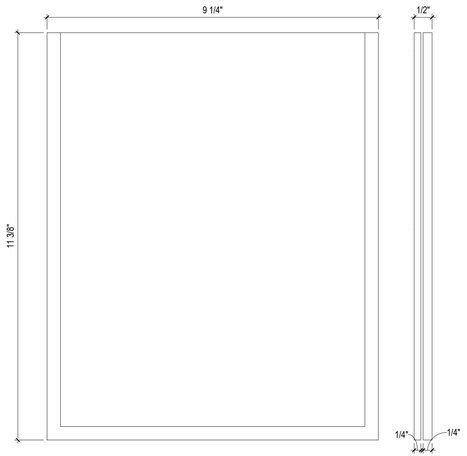
TYPE F

TYPE G

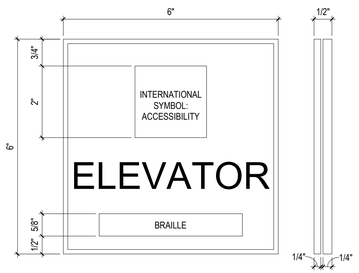
SIGNAGE SCHEDULE				
ASSOCIATED DOOR	SIGN TYPE	ROOM NUMBER	SIGN TEXT	NOTES
002	B	002	N/A	
003	A	003	MEDIUM MEETING ROOM	
003	D	003	MAXIMUM OCCUPANCY 28 PERSONS	
004	A	004	STAFF LOUNGE	
004A	B	004A	N/A	
004B	B	004B	N/A	
006	A	006	OFFICE	
007A	A	007	CORRIDOR	
007B	F	N/A	N/A	
008	A	008	IT	
009	A	009	CUSTODIAL	
010	A	010	OUTDOOR PROGRAM STORAGE	
011A	A	011	MECHANICAL	
011B	A	011	MECHANICAL	
012A	A	012	STORAGE	
012B	A	012	STORAGE	
013	A	013	STORAGE	
014A	A	014A	FURNITURE STORAGE	
014B	A	014B	STORAGE	
014D	A	014	LARGE MEETING ROOM	
014D	D	014	MAXIMUM OCCUPANCY 117 PERSONS	
014E	F	N/A	N/A	
101A	E	N/A	N/A	
101A	G	N/A	N/A	MOUNT AT BUILDING EXTERIOR
101B	F	N/A	N/A	
101C	E	N/A	N/A	
103	C	103	N/A	
106	B	106	N/A	
107	F	107	N/A	
108A	A	108	STAFF WORKROOM	
109	A	109	MEETING ROOM	
109	D	109	MAXIMUM OCCUPANCY 9 PERSONS	
ELEV - ENTRY LEVEL	I	N/A	N/A	
ELEV - LOWER LEVEL	I	N/A	N/A	
N/A	J	N/A	N/A	PROVIDE 10 PANELS, CONSULT ARCH TO VERIFY LOCATIONS
N/A	H	N/A	N/A	PROVIDE 60 PANELS, MOUNT IN EACH BOOKCASE BAY, REFER TO CASEWORK DTLS
N/A	M	N/A	N/A	MOUNT AT PRINTING DESK, CONSULT ARCH TO VERIFY LOCATION
N/A	K	N/A	N/A	MOUNT AT PRINTING DESK, CONSULT ARCH TO VERIFY LOCATION
N/A	L	N/A	N/A	MOUNT AT PRINTING DESK, CONSULT ARCH TO VERIFY LOCATION
N/A	N	N/A	N/A	MOUNT AT PRINTING DESK, CONSULT ARCH TO VERIFY LOCATION
ST1	F	N/A	N/A	
ST1	G	N/A	N/A	MOUNT AT BUILDING EXTERIOR



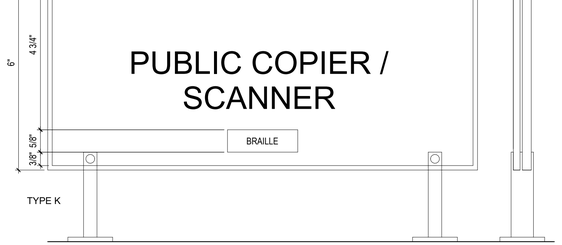
TYPE H



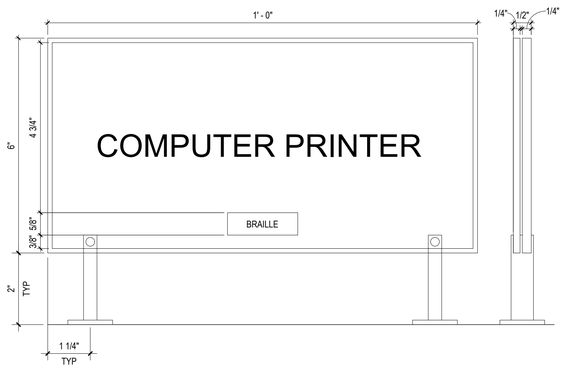
TYPE J



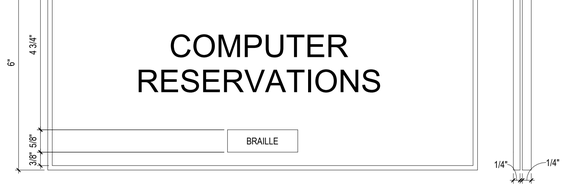
TYPE I



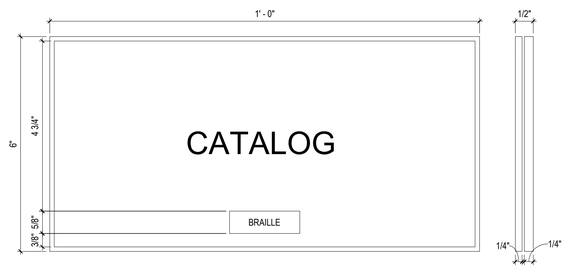
TYPE K



TYPE M



TYPE L



TYPE N

1 A9.4 SIGNAGE TYPES
6" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TODD HOCKMAN No. RA016104

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

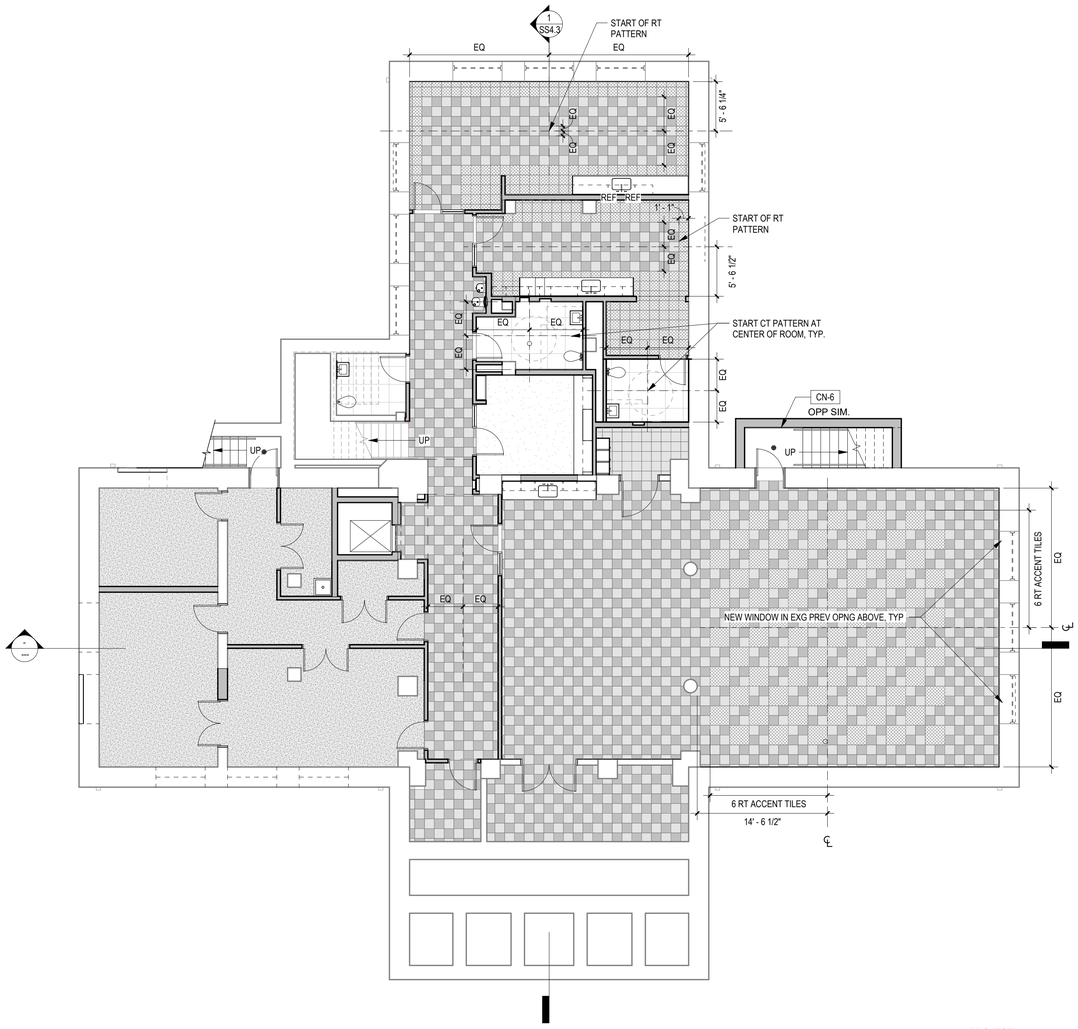
CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

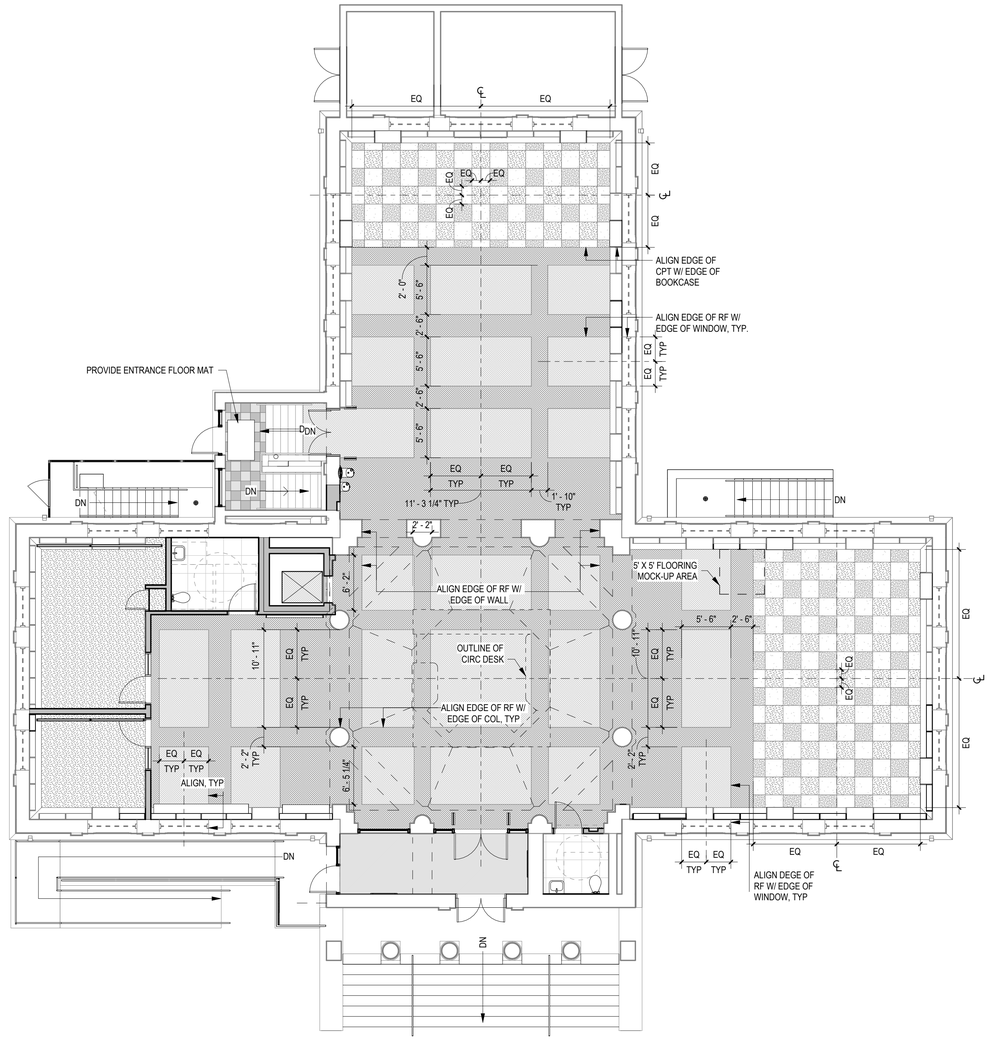
DRAWING TITLE
SIGNAGE DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A9.4
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY CC / SCR	
CHECKED BY TW	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



1 A10.1 LOWER LEVEL PLAN
1/8" = 1'-0"



2 A10.1 ENTRY LEVEL PLAN
1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

FINSH PLAN LEGEND:

- EXISTING TO REMAIN (ETR)
- RESILIENT FLOORING 1 (RF1)
- RESILIENT FLOORING 2 (RF2)
- RESILIENT TILE 1 (RT1)
- RESILIENT TILE 2 (RT2)
- RESILIENT TILE ACCENT
- CARPET TILE 1 (CPT1)
- CARPET TILE 2 (CPT2)
- CARPET TILE ACCENT
- CERAMIC TILE (CT)
- EPOXY FLOORING (EPX)
- WALK OFF MAT (WOM)

GENERAL NOTES:

1. PROVIDE HYDRAULIC CEMENT UNDERLAYMENT WHERE REQUIRED FOR FLOOR FINISH INSTALLATION.

2. FLOOR FINISH TO CONTINUE BENEATH ALL ARCHITECTURAL CASEWORK.

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
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215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

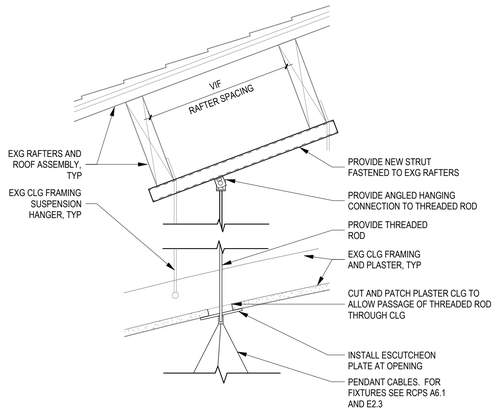
FINISH PLANS

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO. A10.1
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: SCR	
CHECKED BY: Checker	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

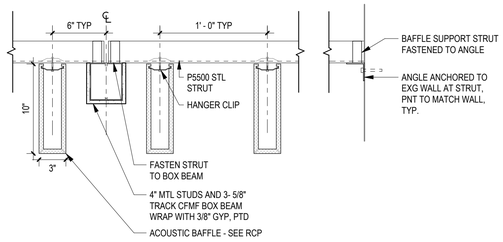
FINISH SCHEDULE

NO	NAME	FLOOR		BASE			NORTH		EAST		SOUTH		WEST		CEILING		NOTES
		MAT	FIN	MAT	FIN	HT	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
001	CORRIDOR	RT	FF	RB	FF	4"	GWB/GLAZ	PNT/FF	GWB/GLAZ	PNT/FF	GWB	PNT	GWB	PNT	GWB	PNT	
002	RESTROOM	CT	FF	CT	FF	6"	CT	FF	CT	FF	CT	FF	CT	FF	GWB	PNT	
003	MEDIUM MEETING (CHILDREN'S LUNCH) ROOM	RT	FF	RB	FF	4"	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
004	STAFF LOUNGE	RT	FF	RB	FF	4"	GWB	PNT	GWB	PNT	GWB/GLAZ/CT	PNT/FF	GWB	PNT	GWB	PNT	
004A	STAFF RESTROOM	CT	FF	CT	FF	6"	CT	FF	CT	FF	CT	FF	CT	FF	GWB	PNT	
004B	ADA RESTROOM	CT	FF	CT	FF	6"	CT	PNT	CT	FF	CT	FF	CT	FF	GWB	PNT	
006	OFFICE	CPT	FF	RB	FF	4"	GWB	PNT	GWB	FF	GWB	PNT	GWB	PNT	GWB	PNT	
007	CORRIDOR	EPX	FF	RB	FF	4"	GWB	-	GWB	-	GWB	-	GWB	-	GWB	-	
008	IT	EPX	FF	RB	FF	4"	GWB	-	GWB	-	GWB	-	GWB	-	GWB	-	
009	CUSTODIAL	EPX	FF	RB	FF	4"	GWB	-	GWB	-	GWB	-	GWB	-	GWB	-	
010	OUTDOOR PROGRAM STORAGE	EPX	FF	RB	FF	4"	GWB	-	GWB	-	GWB	-	GWB	-	GWB	-	
011	MECHANICAL	EPX	FF	RB	FF	4"	GWB	-	GWB	-	GWB	-	GWB	-	GWB	-	
012	STORAGE	EPX	FF	RB	FF	4"	GWB	-	GWB	-	GWB	-	GWB	-	GWB	-	
013	STORAGE	RT	FF	RB	FF	4"	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
014	LARGE MEETING ROOM	RT	FF	RB	FF	4"	GWB/CT	PNT/FF	GWB	PNT	GWB	PNT	GWB/CT	PNT/FF	GWB	PNT	
014A	PROGRAM STOR																
014B	STORAGE	RT	FF	RB	FF	4"	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	GWB	PNT	
101	VESTIBULE	WOM	FF	RB	FF	4"	GWB/GLAZ	PNT/ -	PLAS	PNT	PLAS	PNT	PLAS/GLAZ	PNT/ -	PLAS	PNT	
102	CIRCULATION DESK	RSF	FF	RB	FF	4"	-	-	-	-	-	-	-	-	PLAS	PNT	REFER TO DWGS FOR CASEWORK FINISHING
103	CHILDREN'S RESTROOM	CT	FF	CT	FF	6"	CT	FF	CT	FF	CT	FF	CT	FF	GWB	PNT	
104	COMPUTERS	RSF	FF	RB	FF	4"	PLAS/PNLG	PNT/FF	PLAS	PNT	PLAS	PNT	PLAS/PNLG	PNT/FF	PLAS	PNT	REFER TO DWGS FOR BOOKSHELF & CASEWORK FINISHING
105	CHILDREN'S READING ROOM	RSF/CPT	FF	RB	FF	4"	PLAS	PNT	PLAS	PNT	PLAS	PNT	PLAS	PNT	PLAS	PNT	REFER TO DWGS FOR BOOKSHELF FINISHING
106	ADA RESTROOM	CT	FF	CT	FF	6"											
107	TEEN SPACE / ADULT READING ROOM	RSF/CPT	FF	RB	FF	4"	PLAS/PNLG	PNT/FF	PLAS	PNT	PLAS	PNT	PLAS	PNT	PLAS	PNT	REFER TO DWGS FOR BOOKSHELF FINISHING
108	STAFF WORKROOM	CPT	FF	RB	FF	4"	PLAS	PNT	GWB/GLAZ	PNT/ -	GWB	PNT	PLAS	PNT	ACOUSTIC BAFFLES	FF	REFER TO DWGS FOR BOOKSHELF FINISHING
109	MEETING ROOM	CPT	FF	RB	FF	4"	GWB	PNT	GWB/GLAZ	PNT/ -	PLAS	PNT	PLAS	PNT	ACOUSTIC BAFFLES	FF	REFER TO DWGS FOR BOOKSHELF FINISHING
112	ENTRY STAIR	RT/RSF	FF	RB	FF	4"	PLAS	PNT	PLAS/GWB	PNT	PLAS	PNT	PLAS/GLAZ	PNT/ -	PLAS	PNT	



2 A10.2 DETAIL - TYP THROUGH PLASTER AT PENDANT MOUNTING

1 1/2" = 1'-0"



1 A10.2 CEILING BAFFLE DETAIL

1 1/2" = 1'-0"

PLAN EXAMINER STAMP AREA:

FURNITURE SCHEDULE

	MARK	MANUFACTURER	PRODUCT	QUANTITY	NOTES
ENTRY LEVEL CHILDREN'S WING	01	KI	COGNI 4 LEG CHAIR	08	GLIDE BASE, MEDIUM 16" H
	02	KI	COGNI 4 LEG CHAIR	04	GLIDE BASE, LARGE 18" H
	03	KI	MYPLACE 18" ROUND	02	CONCEALED GLIDES
	04	KI	MYPLACE 26" ROUND	01	CONCEALED GLIDES
	05	KI	MYPLACE 48" ROUND	01	CONCEALED GLIDES
	06	BENSON	GLIDER RECLINER	01	ARM CAPS
	07	HAWORTH	VERY OFFICE CHAIR	01	4-D ARMS, COLOR TO BE VERIFIED BY OWNER
	08	HAWORTH	VERY SIDE CHAIR	01	ARMS, GLIDE BASE
	09	KI	RUCKUS HEIGHT ADJUSTABLE POST LEG DESK	08	RECTANGLE 20"X30", 19-1/2"-32-1/2" H, 3/4" TOP
	10	HAWORTH	COLLABORATIVE POWER STATION	02	3 ELEC. RECEPTACLES, 1 USB-A, 1 USB-C
	11	HAWORTH	INTUITY BENCHING (PUBLIC COMPUTERS)	04	30"X48"
	12	TMC	PLAY CART	01	
	13	HAWORTH	UPSIDE SIT-STAND DESK (LIBRARIAN'S DESK)	01	90-DEGREE WRAPAROUND, 76"X82",PRIVACY PANELS, WRAP-AROUND CANTILEVER SHELF, GROMMETS, CPU HOLDER AND POWER MODULE
	14	HAWORTH	BE_HOLD CREDENZA	01	48"X16"X24", CASTERS, 3/4" WORKTOP, LOCKABLE
	15	HAWORTH	X-SERIES MOBILE PEDESTAL	01	CASTERS, LOCKABLE
	16	SPACESAVER	LIBRARY SHELVING MOBILE CARTS	02	LAMINATE PANELS, DOUBLE-SIDED, TWO TIERS, 36"X24"X40"
	17	TBD	BOOK BINS	02	
	18	TBD	DISPLAY SHELVING	01	
	19	TBD	CURVED SHELVING	TBD	
	20	NORA NIVEL	GENCI.02	01	

ENTRY LEVEL ADULT/TEEN WING	03	KI	MYPLACE 18" ROUND	02	CONCEALED GLIDES
	04	KI	MYPLACE 26" ROUND	02	CONCEALED GLIDES
	21	KI	MYPLACE INSIDE BACK 90 DEGREE CURVE	01	48" HIGH BACK, CONCEALED GLIDES
	22	KI	MYPLACE BACKLESS 45 DEGREE CURVE	01	CONCEALED GLIDES
	(reserved)				
	24	KI	MYPLACE 26" SQUARE	03	CONCEALED GLIDES
	25	KI	MYPLACE 48" RECTANGLE	02	32" LOW BACK, CONCEALED GLIDES, POWERED
	07	HAWORTH	VERY OFFICE CHAIR	02	4-D ARMS, COLOR TO BE VERIFIED BY OWNER
	08	HAWORTH	VERY SIDE CHAIR	12	(7) WITH ARMS, (5) WITHOUT ARMS, GLIDE BASE
	26	HAWORTH	VERY STOOL	02	GLIDE BASE
	27	KI	ZOETRY BARIATRIC LOUNGE CHAIR	02	
	11	HAWORTH	INTUITY BENCHING (PUBLIC COMPUTERS)	04	30"X48"
	28	HAWORTH	BELONG ACCESS, TERRITORY SCREEN	06	12"X24"
	13	HAWORTH	UPSIDE SIT-STAND DESK (LIBRARIAN'S DESK)	01	90-DEGREE WRAPAROUND, 76"X82",PRIVACY PANELS, WRAP-AROUND CANTILEVER SHELF, GROMMETS, CPU HOLDER AND POWER MODULE
	14	HAWORTH	BE_HOLD CREDENZA	01	48"X16"X24", CASTERS, 3/4" WORKTOP, LOCKABLE
	15	HAWORTH	X-SERIES MOBILE PEDESTAL	01	CASTERS, LOCKABLE
	29	HAWORTH	UPSIDE SIT-STAND DESK (SECURITY DESK)	01	29"X46", PRIVACY PANELS, GROMMETS, CPU HOLDER AND POWER MODULE
	30	HAWORTH	JIVE TABLE 30"	01	20" H, ROUND BASE, PROVIDE POWER MODULE
	31	HAWORTH	JIVE TABLE 36"	02	29" H, ROUND BASE
	32	HAWORTH	JIVE TABLE 42"	02	29" H, ROUND BASE, PROVIDE POWER MODULE
	33	HAWORTH	JIVE TABLE 48"	01	29" H, ROUND BASE, PROVIDE POWER MODULE
	34	KI	PILLAR TABLE, POST LEG, INSIDE CURVE	01	18"X102", PROVIDE POWER MODULE
	35	SPACESAVER	LIBRARY SHELVING MOBILE CARTS	02	LAMINATE PANELS, DOUBLE-SIDED, TWO TIERS, 72"X24"X45"
	36	SPACESAVER	LIBRARY SHELVING MOBILE CARTS	01	LAMINATE PANELS, DOUBLE-SIDED, FOUR TIERS, 36"X24"X69"
	18	TBD	DISPLAY SHELVING	01	

ENTRY LEVEL COMPUTER WING	07	HAWORTH	VERY OFFICE CHAIR	01	4-D ARMS
	08	HAWORTH	VERY SIDE CHAIR	06	(2) WITH ARM, GLIDE BASE
	11	HAWORTH	INTUITY BENCHING (PUBLIC COMPUTERS)	06	30"X48"
	28	HAWORTH	BELONG ACCESS, TERRITORY SCREEN	08	12"X24"
	15	HAWORTH	X-SERIES MOBILE PEDESTAL	01	CASTERS, LOCKABLE
	37	HAWORTH	INTUITY BENCHING (CATALOG/RESERVATIONS)	01	60"X48", PROVIDE HAWORTH COMPOSE PANELS
	38	KI	C-TABLE	05	18"X27"
ENTRY LEVEL WORKROOM	07	HAWORTH	VERY OFFICE CHAIR	05	4-D ARMS
	39	HAWORTH	UPSIDE SIT-STAND DESK	04	23"X70", GROMMETS, CPU HOLDER AND POWER MODULE
	40	HAWORTH	UPSIDE SIT-STAND DESK	01	23"X58", GROMMETS, CPU HOLDER AND POWER MODULE
	15	HAWORTH	X-SERIES MOBILE PEDESTAL	05	CASTERS, LOCKABLE
	51	HAWORTH	ADAPTABLE WOOD OPEN SIDED SHELF	01	60"X29"
ENTRY LEVEL MEETING ROOM	08	HAWORTH	VERY SIDE CHAIR	04	WITH ARM, CASTERS
	41	HAWORTH	JIVE TABLE 60"	01	29" H, ROUND BASE, PROVIDE POWER MODULE
ENTRY LEVEL ENTRY	07	HAWORTH	VERY OFFICE CHAIR	02	4-D ARMS
	42	HAWORTH	VERY OFFICE STOOL	03	4-D ARMS
	29	HAWORTH	UPSIDE SIT-STAND DESK (SECURITY DESK)	01	29"X46", PRIVACY PANELS, GROMMETS, CPU HOLDER AND POWER MODULE
	15	HAWORTH	X-SERIES MOBILE PEDESTAL	02	CASTERS, LOCKABLE

LOWER LEVEL COMMUNITY ROOM	43	HAWORTH	VERY SIDE CHAIR, WIRE STACKER	52	(16) W ARMS, (36) ARMLESS, PROVIDE STORAGE CART
	42	HAWORTH	VERY OFFICE STOOL	03	4-D ARMS
	41	HAWORTH	JIVE TABLE 60"	04	29" H, BRIDGE BASE
	44	HAWORTH	JIVE TABLE, NESTING	18	30"X72"X29"
	45	OKLAHOMA SOUND	ORATOR LECTERN	01	
LOWER LEVEL CHILDREN'S LUNCH ROOM	43	HAWORTH	VERY SIDE CHAIR, WIRE STACKER	12	(4) W ARMS, (8) ARMLESS, PROVIDE STORAGE CART
	41	HAWORTH	JIVE TABLE 60"	01	29" H, BRIDGE BASE
	46	HAWORTH	JIVE TABLE 42" HALF RACETRACK	02	29" H, BRIDGE BASE
	47	HAWORTH	JIVE TABLE 42" HALF SQUARE	01	29" H, BRIDGE BASE
LOWER LEVEL OFFICE	07	HAWORTH	VERY OFFICE CHAIR	01	4-D ARMS
	08	HAWORTH	VERY SIDE CHAIR	01	WITH ARM, GLIDE BASE
	48	HAWORTH	UPSIDE SIT-STAND DESK	01	29"X64", GROMMETS, CPU HOLDER AND POWER MODULE
	15	HAWORTH	X-SERIES MOBILE PEDESTAL	01	CASTERS, LOCKABLE
LOWER LEVEL STAFF LOUNGE	06	BENSON	GLIDER RECLINER	01	ARM CAPS
	08	HAWORTH	VERY SIDE CHAIR	04	ARMS, CASTERS
	49	HAWORTH	JIVE TABLE 30"X60"	01	29" H, BRIDGE BASE
	38	KI	C-TABLE	01	18"X27"
	50	TBD	GYMNASIUM LOCKERS	5 MIN	90"X30" NICHE
LOWER LEVEL STORAGE	50	TBD	GYMNASIUM LOCKERS	3 MIN	36"X30" NICHE

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR

REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TODD HOODWARD No. RA435160

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

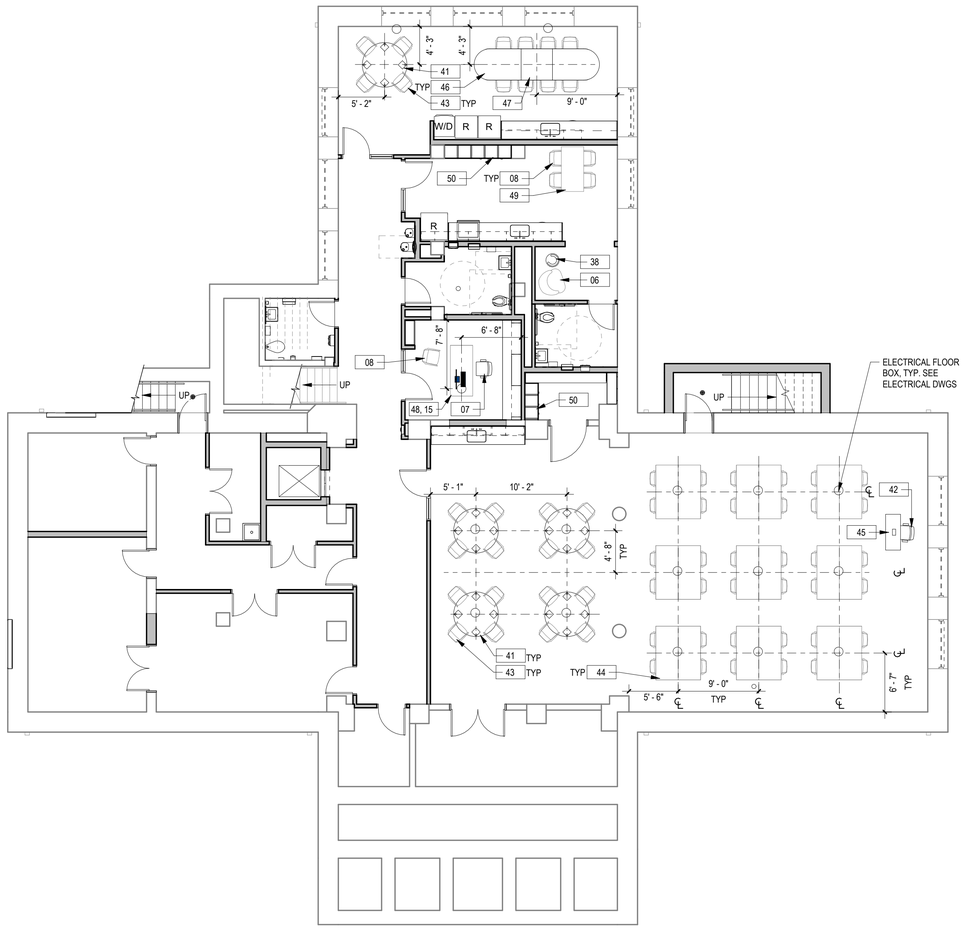
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

FINISH SCHEDULE, FURNITURE SCHEDULE & CEILING DETAILS

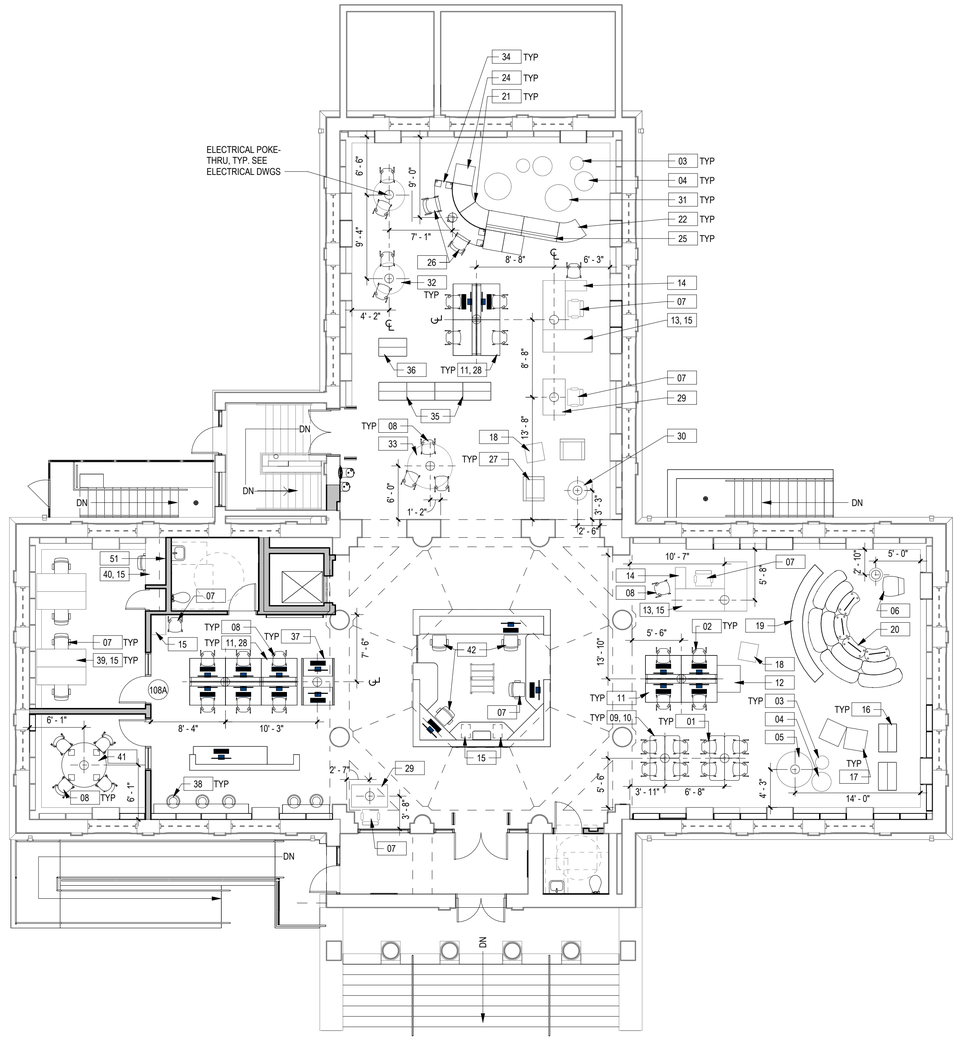
PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A10.2
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AB / SCR	
CHECKED BY TW	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



2 A11.1 LOWER LEVEL FURNITURE PLAN

1/8" = 1'-0"



1 A11.1 ENTRY LEVEL FURNITURE PLAN

1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTE:

01. REFER TO FURNITURE SCHEDULE.

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR

REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT — COMMONWEALTH OF PENNSYLVANIA — TODD HOODWOOD — No. RA051604X

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

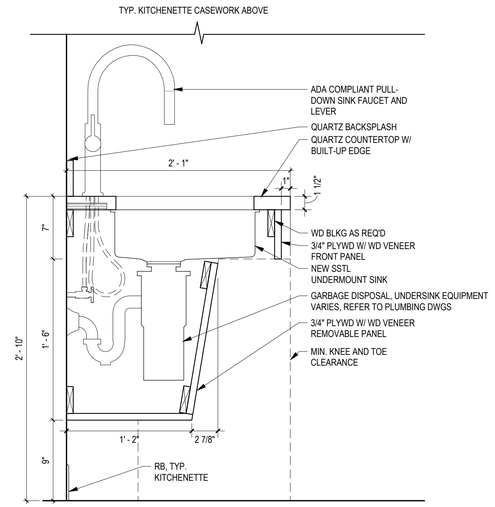
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

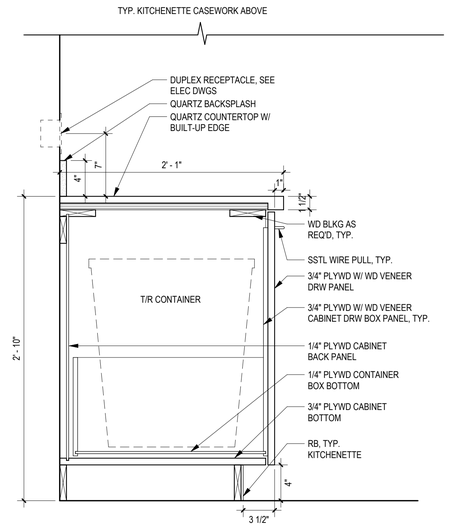
FURNITURE PLANS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A11.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AB / SCR	
CHECKED BY TW	FILE

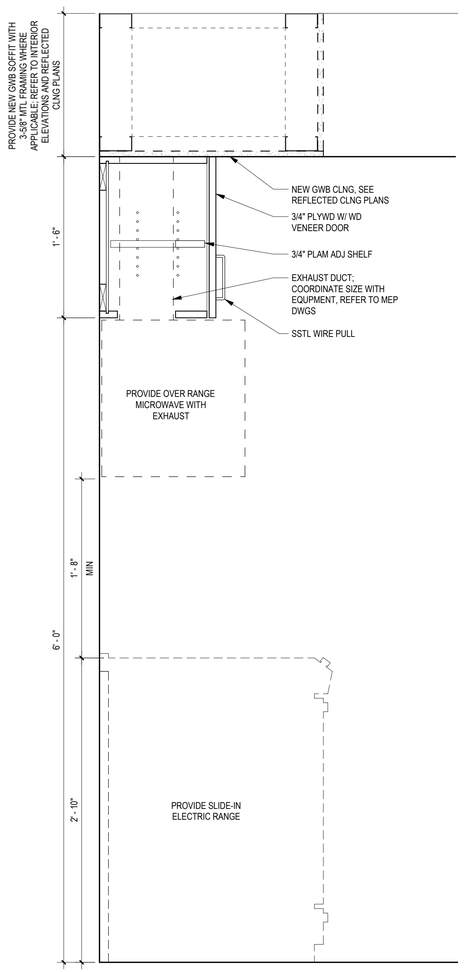
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



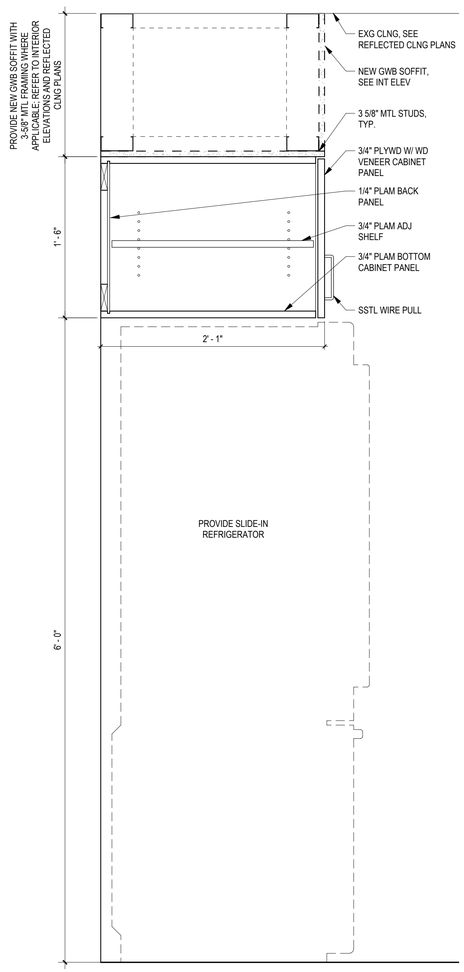
5 A11.2 ADA SINK CASEWORK
1 1/2" = 1'-0"



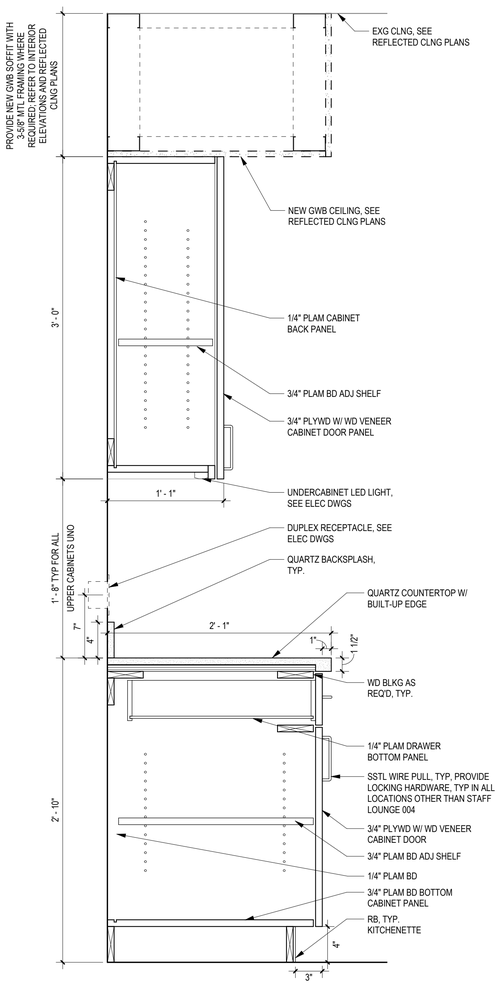
4 A11.2 TRASH/RECYCLING BASE CABINET
1 1/2" = 1'-0"



3 A11.2 CABINET AT RANGE & HOOD
1 1/2" = 1'-0"



2 A11.2 TYP. CABINET AT REFRIGERATOR
1 1/2" = 1'-0"



1 A11.2 TYP. KITCHENETTE CASEWORK
1 1/2" = 1'-0"

GENERAL NOTES

1. ALL CABINETS IN PUBLIC AREAS TO BE LOCKABLE

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
CASEWORK DETAILS - MEETING ROOMS & STAFF LOUNGE

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO. A11.2
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: AB / SCR	
CHECKED BY: TW	FILE:

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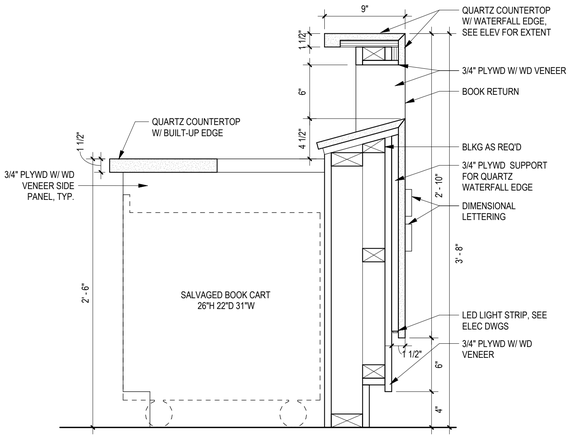
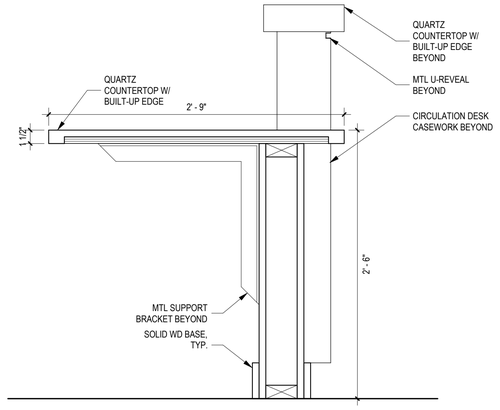
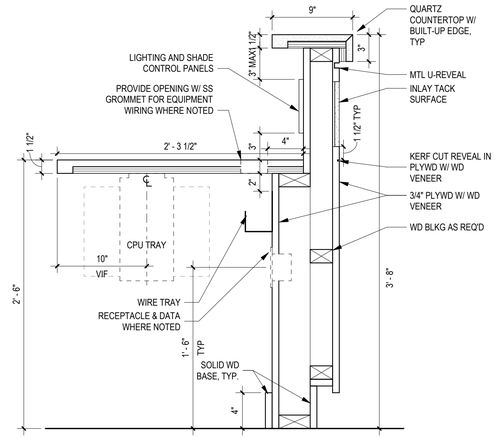


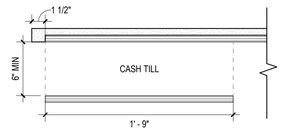
10 A11.3 CIRCULATION DESK - BOOK DROP
1 1/2" = 1'-0"



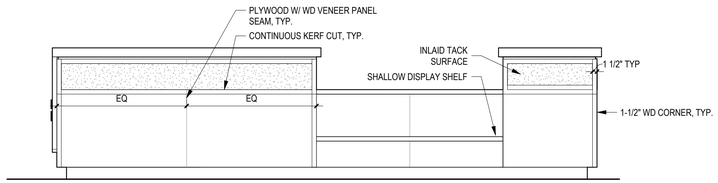
9 A11.3 CIRCULATION DESK - LOW TOP - DISCUSSION
1 1/2" = 1'-0"



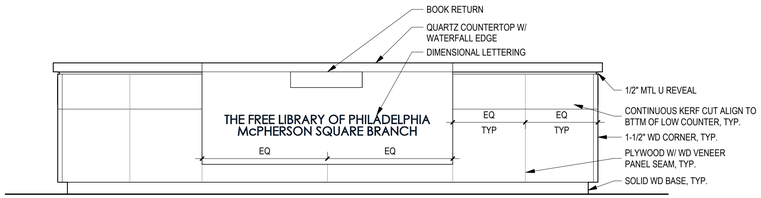
8 A11.3 CIRCULATION DESK - TYP LOW WORKSTATION
1 1/2" = 1'-0"



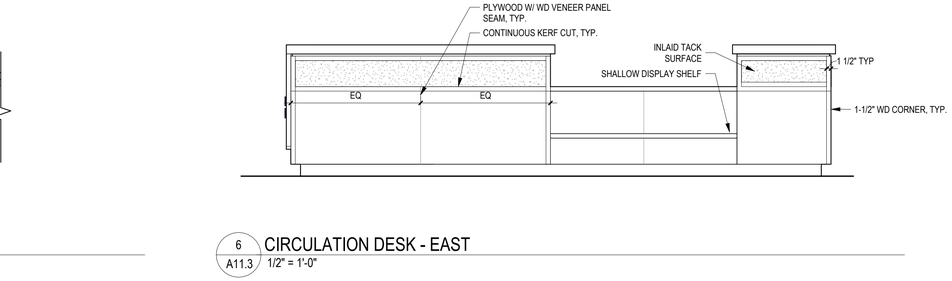
7 A11.3 CIRCULATION DESK - CASH TILL
1 1/2" = 1'-0"



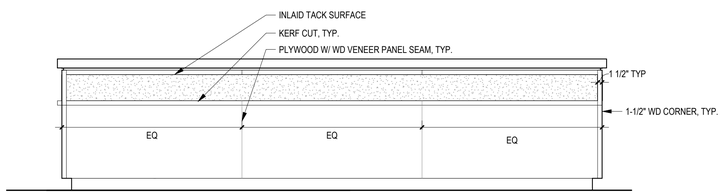
6 A11.3 CIRCULATION DESK - EAST
1/2" = 1'-0"



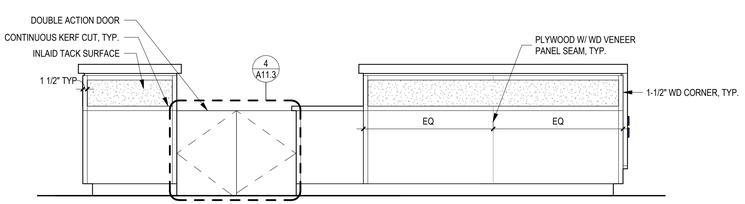
5 A11.3 CIRCULATION DESK - SOUTH
1/2" = 1'-0"



4 A11.3 CIRCULATION DESK - GATE ELEVATION
1 1/2" = 1'-0"



3 A11.3 CIRCULATION DESK - NORTH
1/2" = 1'-0"



2 A11.3 CIRCULATION DESK - WEST
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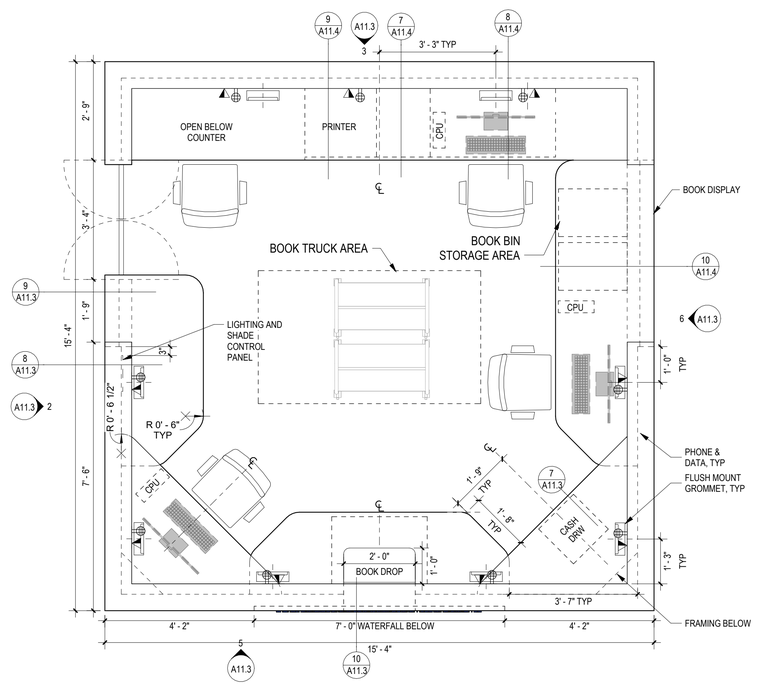

1 A11.3 ENLARGED PLAN - CIRCULATION DESK
1/2" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS		
ISSUE	DATE	REVISIONS

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TOM WOODWARD No. RA016160X

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

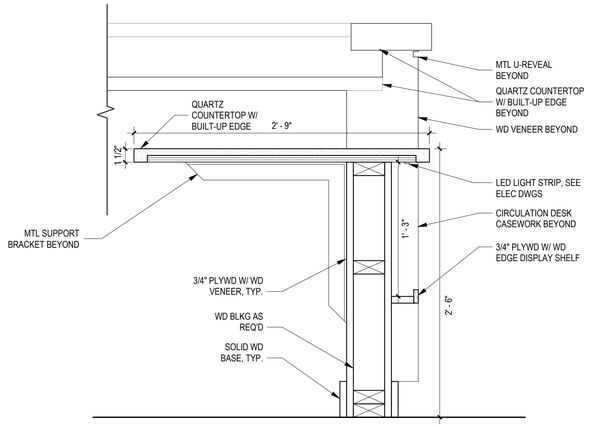
CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

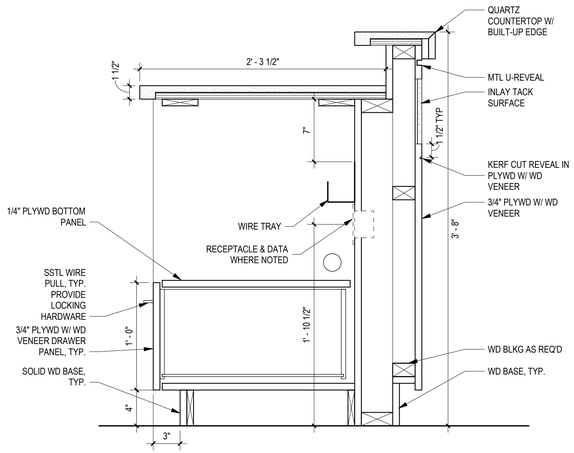
DRAWING TITLE
CASEWORK DETAILS - CIRCULATION DESK

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A11.3
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AB / SCR	
CHECKED BY TW	FILE

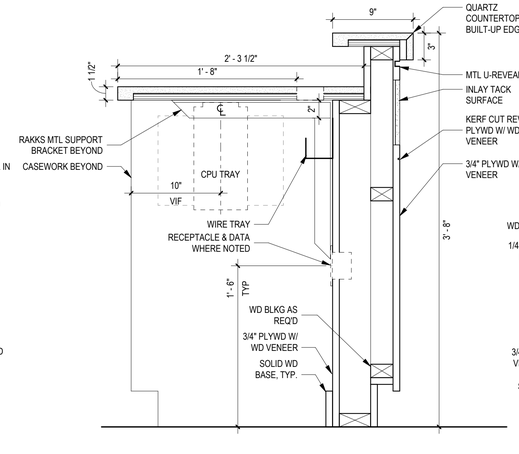
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



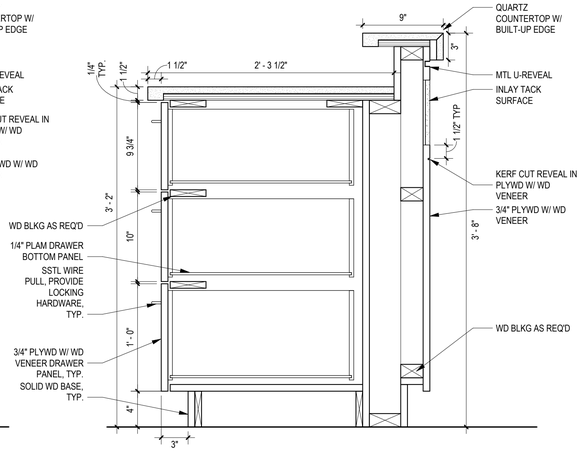
10 A11.4 CIRCULATION DESK - LOW TOP WITH DISPLAY SHELF
1 1/2" = 1'-0"



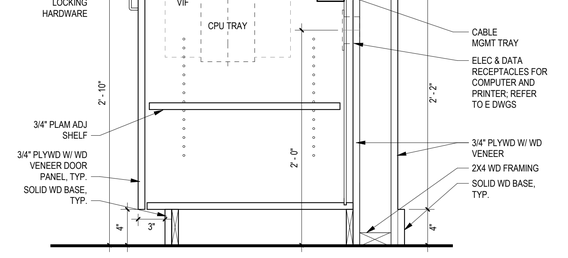
9 A11.4 CIRCULATION DESK - PRINTER
1 1/2" = 1'-0"



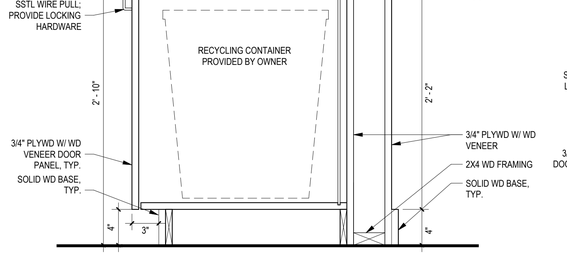
8 A11.4 CIRCULATION DESK - HIGH TOP WORKSTATION
1 1/2" = 1'-0"



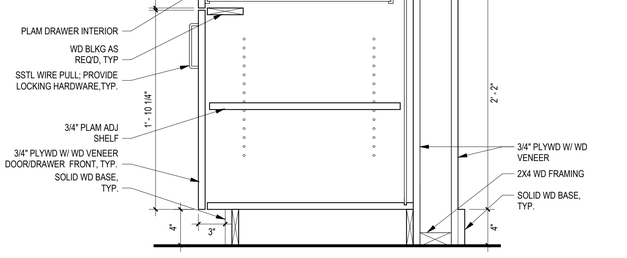
7 A11.4 CIRCULATION DESK - DRAWERS AT HIGH TOP
1 1/2" = 1'-0"



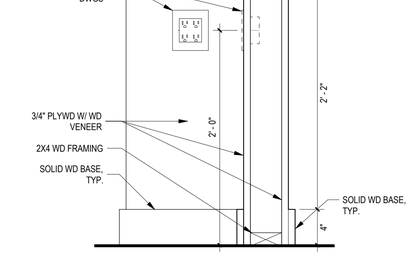
6 A11.4 SECTION - PRINTING CABINET W GROMMET
1 1/2" = 1'-0"



5 A11.4 SECTION - PRINTING CABINET W TRASH
1 1/2" = 1'-0"

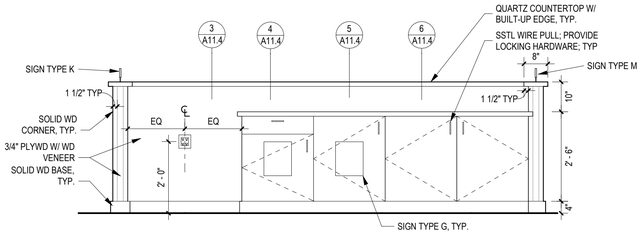


4 A11.4 SECTION - PRINTING CABINET
1 1/2" = 1'-0"

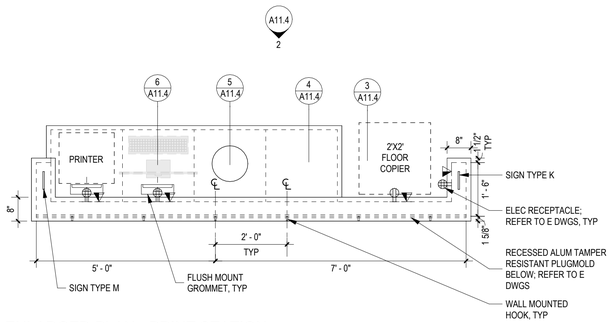


3 A11.4 SECTION - PRINTING @ FLOOR COPIER
1 1/2" = 1'-0"

PLAN EXAMINER STAMP AREA:



2 A11.4 ELEVATION - PRINTING STATION
1/2" = 1'-0"



1 A11.4 ENLARGED PLAN - PRINT STATION
1/2" = 1'-0"

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

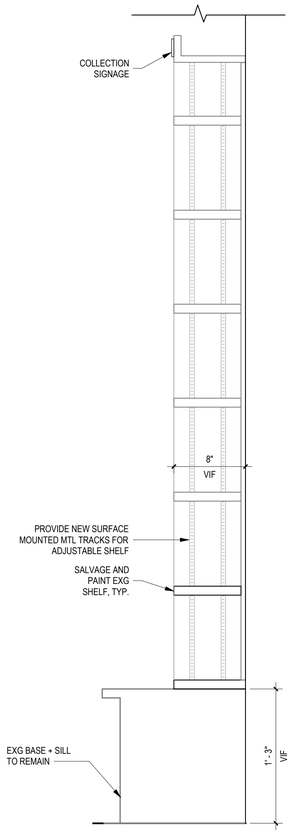
CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

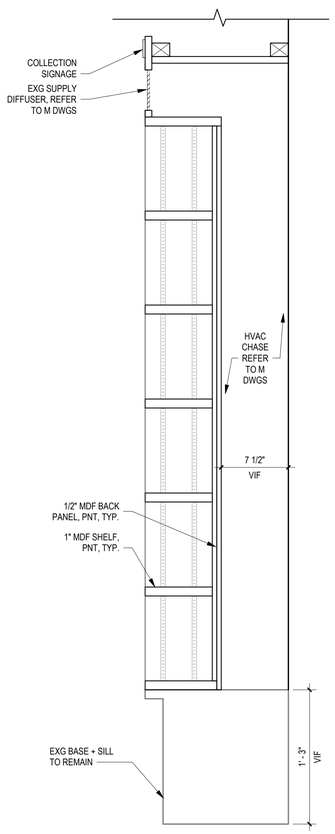
DRAWING TITLE
CASEWORK DETAILS - CIRCULATION DESK AND PRINTING

PROJECT NO. (CITY | SMP) 520025-E-06-01 | 718.10	DRAWING NO. A11.4
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AB / SCR	
CHECKED BY TW	FILE

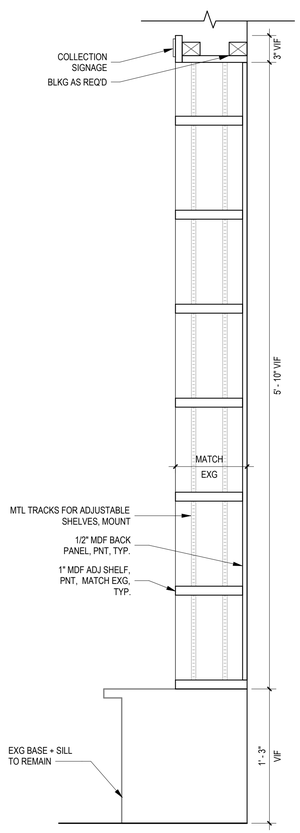
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



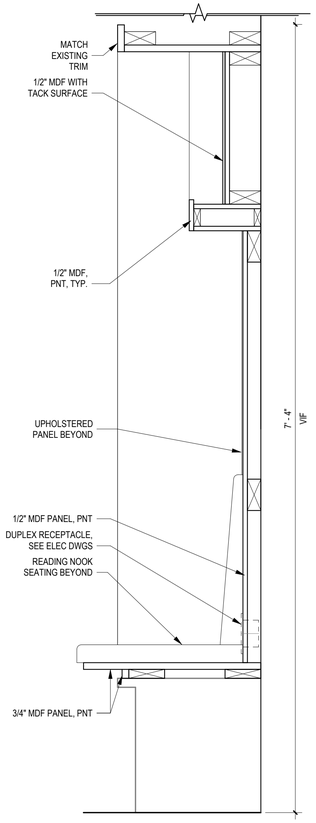
10 A11.5 EXG BOOKCASE
1 1/2" = 1'-0"



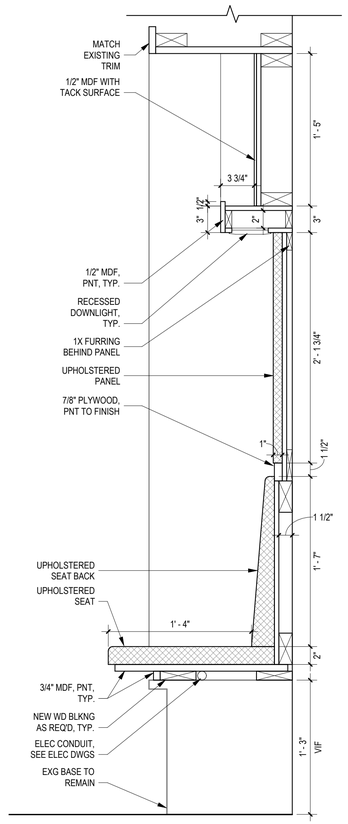
9 A11.5 HVAC BOOKCASE
1 1/2" = 1'-0"



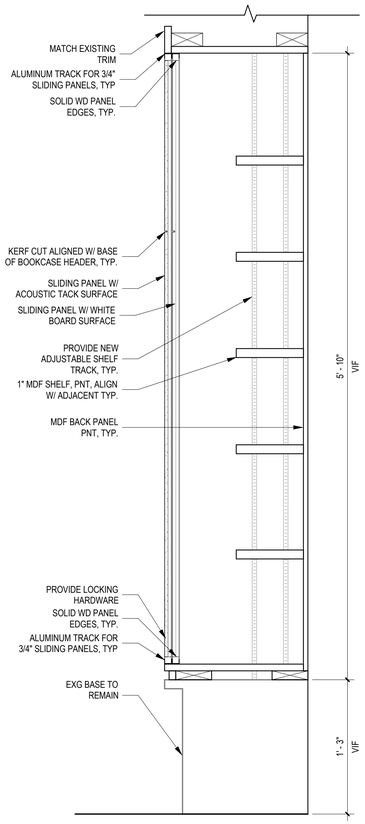
8 A11.5 NEW BOOKCASE
1 1/2" = 1'-0"



7 A11.5 DETAIL AT READING NOOK ENDS, TYP.
1 1/2" = 1'-0"

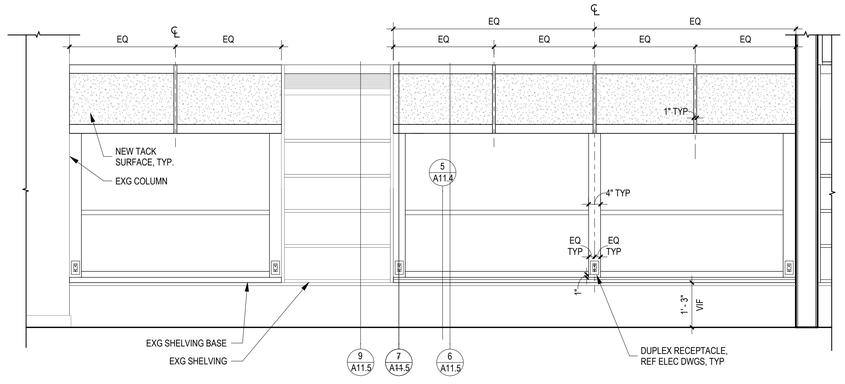


6 A11.5 READING NOOK, TYP.
1 1/2" = 1'-0"

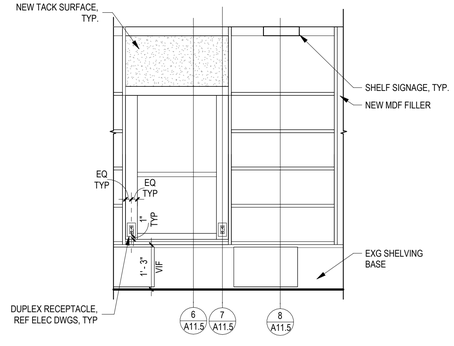


5 A11.5 BOOKCASE WITH SLIDING PANELS
1 1/2" = 1'-0"

NOTE: SALAVGE ALL EXG SHELVES THAT ARE NOT CRACKED, WARPED OR OTHERWISE UNUSEABLE, CONSULT ARCHITECT. PROVIDE NEW SHELVING TO MATCH EXISTING AS REQUIRED TO PROVIDE 6 SHELVES/BAY.

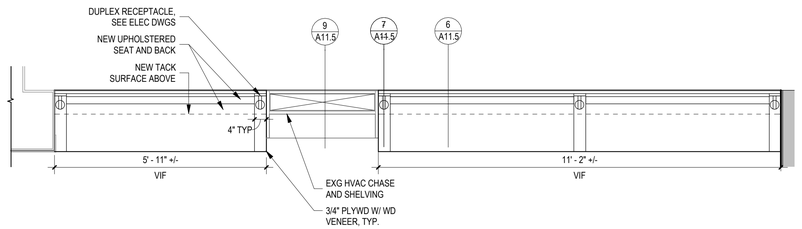


4 A11.5 ELEVATION - NOOK W/ LAPTOP BAR
1/2" = 1'-0"

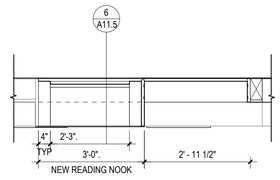


3 A11.5 ELEVATION - TYP READING NOOK & NEW BOOKCASE
1/2" = 1'-0"

PLAN EXAMINER STAMP AREA:



2 A11.5 ENLARGED PLAN - NOOK W/ LAPTOP BAR
1/2" = 1'-0"



1 A11.5 PLAN - TYP READING NOOK & NEW BOOKCASE
1/2" = 1'-0"

REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TOM WOODWARD No. RA015104

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

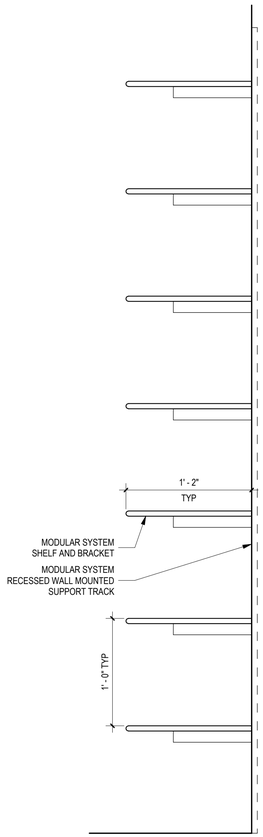
CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

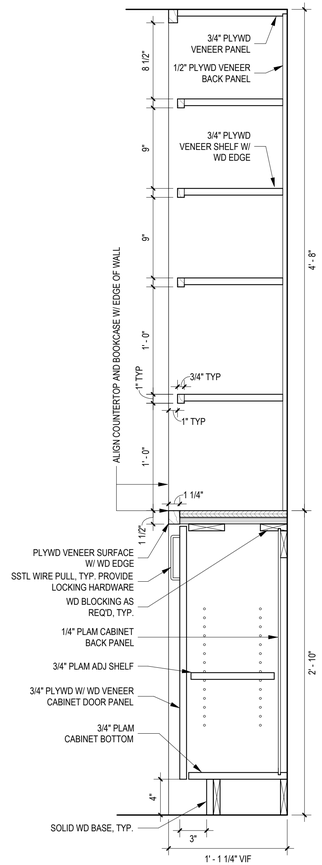
DRAWING TITLE
CASEWORK DETAILS - READING NOOKS AND SHELVING

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. A11.5
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AB / SCR	
CHECKED BY TW	FILE

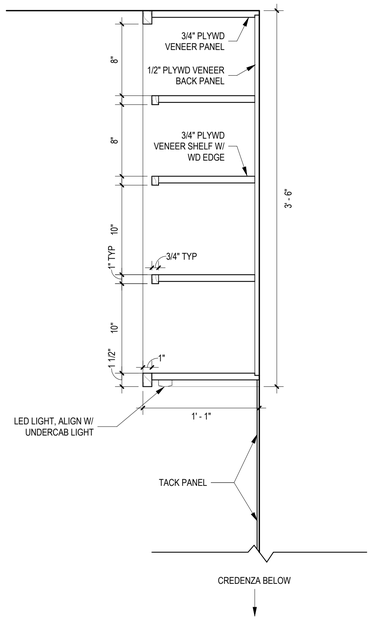
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



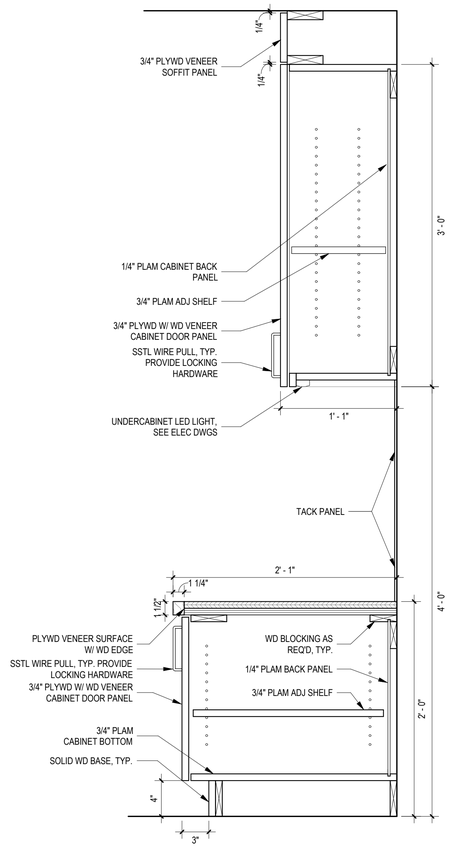
6 A11.6 RAKKS SHELVING - FURNITURE STOR 014
1 1/2" = 1'-0"



5 A11.6 BOOKSHELF - SMALL OFFICE
1 1/2" = 1'-0"

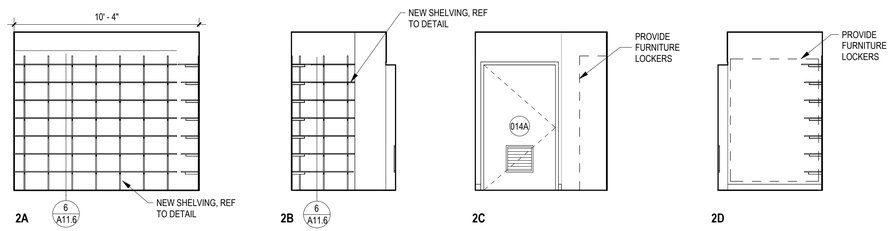


4 A11.6 SHELVES OVER CREDENZA - SMALL OFFICE
1 1/2" = 1'-0"

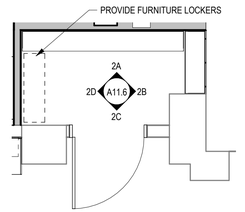


3 A11.6 CREDENZA W/ WALL CABINETS - SMALL OFFICE
1 1/2" = 1'-0"

PLAN EXAMINER STAMP AREA:



2 A11.6 FURNITURE STORAGE 014A
1/4" = 1'-0"



1 A11.6 014A - FURNITURE STORAGE
1/4" = 1'-0"

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA TODD HAROLD RAKKS REGISTERED No. RA051604X

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
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PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
McPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
CASEWORK DETAILS - SMALL OFFICE AND LIBRARIAN SLIDING STORAGE

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10
DRAWING NO.: A11.6
DATE: 04/09/2026
SCALE: AS NOTED
DRAWN BY: Author
CHECKED BY: Checker
FILE:

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

GENERAL

1. These notes highlight but do not replace the specifications contained in the Project Manual.
2. The applicable building code is 2018 IBC and 2018 IEBC as amended by the Philadelphia Building Code.
3. Refer to the Special Inspections tables on sheet S0.2 for special inspection requirements for the project.
4. Contractor is solely responsible for means and methods during the course of the work. Do not damage or endanger the structural integrity of the Work or Existing Structure.
5. Contractor shall be responsible for the proper and safe design of shoring systems for trenches and excavations.
6. Notify Structural Engineer of Record (SEOR) in case of discrepancies between drawings and these notes before proceeding with the work.
7. Use architectural drawings and drawings of other disciplines in conjunction with the structural drawings to properly perform the work.
8. Contractor is responsible for coordinating between sub-contractors.
9. Do not scale drawings.
10. Field dimensions
    A. If structural drawings are used for layout, all dimensions shall first be verified with the architectural drawings. Layout shall be checked before work is begun.
    B. Verify all dimensions and accurately locate all existing columns, bearing walls, and other structural members before beginning work.
11. Sections and details shown, while drawn for specific locations, are intended to establish the general types of details to be used throughout.
12. The SEOR's review of a submittal shall not relieve the Contractor of their responsibility to follow the intent of the contract drawings.

DELEGATED DESIGN ITEMS

1. Employ or retain a licensed professional engineer in the Commonwealth of Pennsylvania to design and detail the following performance specified structural components:
    A. Shoring / Scaffolding
    B. Underpinning
    C. Concrete Mix Design (Engineer's Seal is not required)
    D. Railings and Ladders
2. See individual material sections for additional requirements.

EXISTING BUILDING/STRUCTURE NOTES

1. Verify all existing dimensions and elevations before beginning work
2. Utmost care shall be exercised at all times when working on existing structural members to avoid impairing the carrying capacity of the existing structure.
    A. Should the SEOR determine that the carrying capacity of the existing structure has been impaired by, or as a result of, the operations of the Contractor, or is otherwise not in conformance with the contract documents, appropriate remedial work shall be required.
    B. Any damage resulting from the operations of the Contractor shall be repaired as directed by the Owner's representative at no additional cost to the Owner.
3. Do not cut or remove of any part of the existing structure not indicated to be modified or demolished.

FOUNDATIONS

1. Foundations are designed for an assumed bearing pressure of 1500 psf based on presumptive load-bearing value for clay as defined by 2018 IBC.
2. Bottom of all exterior foundations shall be a minimum of 3'-0" below finished grade.
3. Special Inspector shall inspect and report on adequacy of bearing material.
4. Footings should be cast on the same day in which excavation for them is completed. If placing of concrete is delayed, footing bottom shall be trimmed to firm material immediately before casting.
5. Place concrete in dry excavations only. Note soil and water conditions at depths of footings as shown on foundation plans. Pending approval by the Owner, Contractor may elect to conduct further subsurface investigations at their own expense.
6. Where trench bottoms are dug below adjacent footing bottoms on a slope steeper than one vertical to two horizontal, the trench shall be backfilled with lean concrete to the point where the stated slope crosses the trench.
7. Footings shall be formed unless otherwise permitted by the SEOR.
8. Provide continuous keyway and dowels in top of wall footing supporting concrete walls.
9. Provide keyway and dowels at construction joints in concrete walls.
10. Provide keyway and joint filler at expansion joints in concrete walls. Discontinue reinforcing at joint.
11. Refer to architectural drawings for waterproofing details and procedures.
12. Retaining walls are designed for the following assumed soil parameters for clay as defined by 2018 IBC. Special inspector shall inspect the soil and verify these assumptions.
    A. Unit weight of soil = 120 PCF
    B. Active lateral pressure = 40 PSF
    C. At-rest lateral pressure = 60 PSF
    D. Passive lateral pressure = 100 PSF
    E. Coefficient of friction for sliding = 0.25
13. Backfilling:
    A. Before backfilling walls, grout and/or concrete shall have attained design strength, and all slabs and beams that are necessary for the stability of the walls shall be in place.
    B. Backfill shall be carried up evenly on both sides of wall to lower grade.
    C. Backfill shall be placed in maximum of 8" loose lift thickness and compacted to 95% of Modified Proctor in accordance with ASTM D1557.
    D. Tests shall be performed for each lift at a rate of two tests per lift minimum and not less than one test per 100' of wall length.
14. Structural fill, including under footings:
    A. Shall be placed in maximum of 8" loose lift thickness and compacted to 95% of Modified Proctor in accordance with ASTM D1557.
    B. On-site or imported granular fills including GW, GP, GM, SW, SP, ND, SM Classified in accordance with the Unified Soil Classification System (USCS) and within 2% of optimum moisture. Furthermore, the material to be utilized as structural fill should have a plasticity index (PI) less than 2.
15. Fill under slabs on grade shall be compacted to 95% of Modified Proctor density in accordance with ASTM D1557.

PLAN EXAMINER STAMP AREA:

SITE PREPARATION

1. Locate and mark all underground utility lines before starting work and call all local jurisdictions having authority.

UNDERPINNING

1. Underpinning of existing building foundation wall is required. The extent of underpinning is indicated on the foundation plan. Bottom of existing foundation wall elevation is approximate and will require field verification by the contractor and specialty engineer prior to preparation of underpinning submittals.
2. Engage a qualified Professional Engineer licensed in the Commonwealth of Pennsylvania to design underpinning and permanent tie-backs. Submit signed and sealed shop drawings and calculations for the underpinning system.
3. Information Submittal Requirements:
    A. Underpinning Contractor Statements of Qualifications-Proof and descriptions of at least five (5) underpinning projects of similar size and scope performed within the past 5 years.
    B. Delegated Designer Qualifications-Contractor shall also provide a resume and brief history of delegated designer engaged by the contractor to perform calculations and prepare plans and details for underpinning.
4. Action Submittal Requirements:
    A. Engineered Calculations and Shop Drawings-Bound calculations, signed and sealed by the specialty engineer shall be submitted with plans, sections and details prepared to describe the scope and sequence of the underpinning. Shop drawings shall convey construction sequence, methods, proposed depths, and bearing conditions of underpinning.
    B. Underpinning Concrete Mix Designs
    C. Tie-back Components
5. Prior to the start of work, the contractor and specialty engineer shall visit the site to review and verify conditions that may impact the design and construction of underpinning.
6. Contractor shall photograph and document all existing conditions. Submit one (1) copy of existing condition documentation to the Owner/Owner's Representative and maintain one (1) copy in the field office.
7. Typical completed underpinning details provided on sheet S3.0 convey the intent of the completed design. It is the responsibility of the contractor and their engineer to develop the construction sequence, and provide the means and methods required to satisfy the intent of these drawings.
8. Pre-Installation Conference: Conduct a pre-installation conference at the site to review underpinning procedures prior to execution of underpinning work. Attendees should include the Owner, Contractor, Specialty Engineer, SEOR and Underpinning Sub-Contractor.
9. Concrete: Provide 4000 psi (at 28 days) concrete. Use Type I/II or III cement.
10. Non-Shrink Grout: Provide a 5000 psi (at 28 days) non-metallic, non-shrink grout complying with ASTM C1107.
11. Refer to the project manual for additional product information.
12. Bear the bottom of underpinning on subgrade having a bearing capacity equal to or greater than the existing subgrade. Prior to casting concrete, notify the Special Inspector so subgrade inspection services at the bearing level are provided for each underpinning pier.
13. Allow underpinning concrete to cure 24 hours before dry-packing the void between underside of existing foundation and top of underpinning. Dry-pack material shall be damp, not wet. Dry-packing material shall be non-shrink, non-metallic grout or consist of 1 part Portland cement and 1 to 2 parts coarse sand mix. Ram in place with a hardwood compactor. Allow dry-packing to cure 24 hours before excavating the next section.

REINFORCED CONCRETE

1. Concrete construction shall follow requirements of ACI 301 "Specifications for Structural Concrete".
2. Detail, fabricate and place reinforcing and bar supports in accordance with the provisions set forth by the American Concrete Institute and the CRSI "Manual of Standard Practice."
3. Provide reinforcing steel conforming to ASTM A615, Grade 60. Provide epoxy-coated reinforcing bars conforming to ASTM A775.
4. Welded wire fabric shall conform to ASTM A1064. Epoxy-coated welded wire fabric shall conform to ASTM A884.
5. Length of reinforcing bars, if shown, does not include hooks.
6. Concrete properties: See schedule on sheet S0.1.
7. Clear cover for cast-in-place concrete reinforcing: See schedule on sheet S0.1.
8. Reinforcement not shown on sections and plans is the same as that shown in similar sections and at similar locations.
9. Extend reinforcing through construction joints or provide dowels equal in size and number to bars in the doweled member.
10. Develop or splice dowels on each side of cold joint according to the reinforcing development length tables on S0.1 and respective typical details.
11. Use stirrup and tie bending radii for all #3 through #5 bars.
12. Slabs on Grade:
    A. Unless otherwise noted, slab on grade shall be reinforced with 6x6, W2.1 x W2.1 WWF, lapped 8" on all sides, set 1-1/2" below top of slab.
13. Construction joints in areas receiving terrazzo finish shall coincide with metal divider strips.
14. Allow concrete to dry as required by floor finish/adhesive manufacturer before installing finishes. Test slab for moisture content and/or moisture vapor evaporation rates per ASTM F710 to verify adequate dryness in accordance with the flooring manufacturer's preparation requirements. Refer to ACI 302.1R and NRMCA CIP 28 for further discussion.
15. Contractor shall notify Owner's inspection agency before placement of concrete to allow for inspection of reinforcing placement, clearance, and to confirm debris has been removed from forms.
16. Refer to ACI 301 and special inspections table for testing requirements.

MASONRY

1. Masonry shall be constructed in accordance with TMS 602.
2. All concrete masonry units shall conform to ASTM C90. Provide two-cell units, unless noted otherwise on plans.
3. Compressive strength (f'm) of all concrete unit masonry assemblies shall be 2,000 psi at 28 days.
4. Concrete Unit Masonry Strength: Compressive strength of concrete unit masonry (f'm) may be determined either by strength or individual units, grout strength, and mortar type in accordance with TMS 602 article 1.4.B.2.b or by prism test method in accordance with TMS 602 article 1.4.B.3. Submit data and test results to validate masonry system strength via one of the two referenced methods.
5. Use ASTM C270, Type S mortar for CMU above grade.
6. Use ASTM C270, Type M mortar for CMU beow grade.
7. Lay CMU in piers, columns, pedestals and partially-grouted walls with face shells and webs fully bedded in mortar. Align vertical cells to be grouted. Fully-grouted walls may be bedded with face shells only.
8. Grout for masonry shall conform to ASTM C476 with a minimum 3,000 psi compressive strength at 28 days. Provide coarse grout unless dimensions of grout spaces and pour heights dictate fine grout according to TMS 602/ACI 530.1/ASCE 6.
9. See architectural drawings for other masonry requirements.
10. Lintels for non-bearing walls are shown in loose lintel schedule.
11. Lintels for load bearing walls are shown on plan and schedules.
12. Provide continuous bond beam below bearing for joists . Reinforce bond beams with 1-#5 continuous.
13. Install 9GA ladder-type joint reinforcement at 16". Discontinue joint reinforcing at control joints.
14. Provide partition top anchors at the top of non-load bearing masonry walls, spaced per the manufacturer's requirements.
15. Coordinate control and expansion joints with architectural drawings and recommendations of the Brick Industry Association and the National Concrete Masonry Association.
16. Provide shop drawings showing full information for reinforcing steel placement.
    A. Reinforcing steel detailer shall adequately cross reference the structural drawings to the satisfaction of the SEOR.
    B. Reinforcing steel detailer shall develop all wall elevations and sections with pertinent elevations given, to clearly indicate the position of the reinforcement and construction joints, without reproducing sections, plans, or elevations from the design drawings.

POST-INSTALLED ANCHORS

1. Drill and install post-installed anchors according to manufacturer's printed installation instructions. All holes shall be drilled using the Hilti SafeSet system with Hilti hollow drill bit.
2. Anchor capacity is dependent upon spacing between adjacent anchors and distance of anchors to the edge of base material. Anchors shall be installed in accordance with spacing and edge distance requirements indicated on the drawings.
3. Do not cut or damage existing reinforcement in concrete or CMU during drilling operations without prior approval from the SEOR. Offset anchor locations to clear existing reinforcement should reinforcing bars be encountered during drilling. It is recommended that the existing concrete or CMU be scanned to locate existing reinforcement prior to drilling for anchors.
4. Oversized holes may be provided for field adjustment of the anchors, provided 5/16" thick plate washers are field welded (3/16" all around) to the member. Provide standard holes in plate washers.
5. All post-installed anchors shall meet ICC-ES Compliance for each type of application.
6. Submit product information and ICC-ES Evaluation Report for each anchor.
7. All anchor designs are for installation in the following conditions, unless noted otherwise. Written approval must be received from SEOR prior to installation of adhesive anchors in alternate conditions.
    A. Dry concrete.
    B. Concrete temperature at time of installation must be between 14° F and 104° F. See manufacturer's printed installation instruction for adhesive gel and cure times.
    C. Anchor holes to be hammer drilled.
    D. Anchor holes to be cleaned per manufacturer's printed installation instructions prior to adhesive injection.
8. All installers of post-installed anchors shall be Hilti Certified. Submit certificates for record.
9. All post-installed anchors in concrete shall be suited for use in seismic and cracked concrete applications.

SHORING/SCAFFOLDING

1. The contractor shall submit shoring/scaffolding shop drawings and calculations, prepared and sealed by a professional engineer licensed in the Commonwealth of Pennsylvania, for the following:
    A. Earthwork sheeting and shoring.
    B. Scaffolding.
2. Shoring and scaffolding shall comply with O.S.H.A. regulations.
3. The SEOR will review shoring/scaffolding submittals only for loads transmitted to the building structure. Submittals shall clearly indicate the location and magnitude of all loads applied to the building or structure. The contractor is responsible for design and performance of the shoring/scaffold system.

STRUCTURAL STEEL

1. Detail, fabricate, and erect structural steel in accordance with AISC 360 and AISC 303 "Code of Standard Practice".
2. Structural steel design is based on the Allowable Strength Design (ASD) methodology. All loads shown on drawings are unfactored (service) loads, unless noted otherwise.
3. The structural steel detailer shall develop all elevations, plans, and sections without reproducing same from the design drawings. Detailer shall adequately cross reference the structural drawings to the satisfaction of the SEOR. All shop drawings shall be submitted for review and review comments incorporated prior to fabrication.
4. Materials shall conform to the following:
    A. W-Shapes, WTs, & Channels 8" or deeper - ASTM A992 (Fy = 50 ksi)
    B. Angles - ASTM A572, Gr 50 (Fy = 50 ksi)
    C. Plates 4" thickness or less - ASTM A572, Gr 50 (Fy = 50 ksi)
    D. High Strength Bolts – ASTM F3125: Grade A325 or F1852 TC Bolts; Grade A490 or F2280 TC Bolts (as required)
    E. Shear Stud Connectors - ASTM A108, AWS D1.1, Type B
    F. Welding Electrodes - AWS A5.1 E70XX
5. Connections:
    A. Connections for new steel work shall be standard AISC connections using 3/4" dia. high-strength bolts, unless noted otherwise.
    B. All bolted moment and bracing connections shall be slip-critical joints. Faying surfaces in slip-critical joints shall be uncoated.
    C. Provide standard AISC welded or high-strength bolted connections for connections of new work to existing steel beams and columns. Drill existing steel to receive new bolted connections; do not flame-cut holes.
    D. Minimum depth of shear connections shall be half the beam depth, two bolt minimum.
    E. All bolts, nuts, washers and related hardware for exterior and other galvanized steel construction shall be mechanically galvanized according to ASTM B695, Class 55.
    F. Provide minimum weld sizes in accordance with AISC 360 Specification for Structural Steel Buildings.
    G. Electrodes shall be suited to grade and weldability of base metal.
    H. Use AWS certified welders for structural welding.
    I. Remove galvanizing from steel in the area of field welding. Repair abraded surfaces and coat weld with zinc-rich coating.
6. Punch or drill holes for architectural details in shop.
7. Field cutting or burning of structural steel is prohibited.
8. Where plates, angles or other miscellaneous members require welding (either field or shop) or slip-critical connections, mask connection surfaces prior to shop priming and touch-up with primer after completing connection.
9. Galvanize exterior exposed steel in accordance with ASTM A-123. Repair scratched or abraded galvanized surfaces with zinc-rich coating. After galvanizing, straighten members to meet AISC standard mill tolerances.

STRUCTURAL DRAWINGS LIST

SHEET NUMBER	DRAWING TITLE	100% CD 03/18/2026	!	!
S0.0	GENERAL NOTES	X		
S0.1	STRUCTURAL LOADS & SCHEDULES	X		
S0.2	SPECIAL INSPECTIONS	X		
S0.3	SPECIAL INSPECTIONS	X		
S2.0	SITE RETAINING WALL PLAN	X		
S2.1	FOUNDATION & FIRST FLOOR FRAMING PLANS	X		
S2.2	ROOF FRAMING PLAN	X		
S3.0	TYPICAL DETAILS	X		
S3.1	TYPICAL DETAILS	X		
S3.2	SECTIONS	X		
S3.3	SECTIONS	X		

STANDARD ABBREVIATIONS

ABV	Above	HORIZ	Horizontal
ADDL	Additional	HT	Height
ADH	Adhesive	H&V	Horizontal & Vertical
ADJ	Adjacent, Adjustment	HVAC	Heating, Ventilating, & Air Conditioning
AFF	Above Finished Floor		
AGG	Aggregate	I.D.	Inside Diameter
ALT	Alternate	I.F.	Inside Face
ANCH	Anchor	INFO	Information
APRX	Approximate	INSTL	Install/Installation
AR	Anchor Rod	INSUL	Insulation
ARCH	Architect(ural)	INT	Interior
BOT, B	Bottom	JST(S)	Joist(s)
B/	Bottom of	JT	Joint
B-B	Back-to-Back	k	Kip (thousand pounds)
BAL	Balance	LB, #	Pound
BEL	Below	LEN	Length
BLDG	Building	LG	Long
BM	Beam	LL	Live Load
BP	Base Plate	LOCN	Location
BR	Brace(ing)	LONGIT	Longitudinal
BRG	Bearing	LSH	Long Side Horizontal
BRK	Brick	LSV	Long Side Vertical
BRKT	Bracket	M	Moment
BS	Both Sides	MAS	Masonry
BSMT	Basement	MATL	Material
BT	Bent	MAX	Maximum
BTWN	Between	MECH	Mechanical
BYD	Beyond	MFR	Manufacturer
CANT	Cantilever	MIN	Minimum
CAP.	Capacity	MISC	Miscellaneous
C-C	Center-to-Center	MONO	Monolithic
CE	Concrete Encased	MTL	Metal
CIP	Cast In Place	NIC	Not In Contract
CJ	Control/Contraction Joint	NO.	Number
CL	Centerline	NOM	Nominal
CLG	Ceiling	NS	Near Side
CLR	Clear	NTS	Not To Scale
CM	Construction Manager	NWC	Normal Weight Concrete
CMU	Concrete Masonry Unit	OC	On Centers
COL	Column	OD	Outside Diameter
COMB.	Combined	O.F.	Outside Face
COMP	Composite	O-O	Out-to-Out
CONC	Concrete	OPG	Opening
COND	Condition	OPP	Opposite
CONN	Connection	PCF	Pounds per Cubic Foot
CONST	Construction	PERP	Perpendicular
CONT	Continuous	PL	Plate
CONTR	Contractor	PLF	Pounds per Lineal Foot
COORD	Coordinate	PSF	Pounds per Square Foot
COV	Cover	PSI	Pounds per Square Inch
CP	Cap Plate	QTY	Quantity
CTR	Center(ed)	R	Radius
CY	Cubic Yard	(R)	Replace Existing Const with
DBL	Double	RCMU	Reinforced Concrete Masonry Unit
DEMO, (D)	Demolition/Demolish		
DEPR	Depress(ed)/Depression	RD	Roof Drain
DET(S)	Detail(s)	RDK	Roof Deck
DEV	Develop/Development	REF	Reference
DIA, ∅	Diameter	REINF	Reinforce(d)/ Reinforcement
DIAG	Diagonal	REQ(D)	Require(d)
DIM(S).	Dimension(s)	RET	Retaining
DIR	Direction	REV	Revise(d)/Revision
DK	Deck	RQMT(S)	Requirement(s)
DL	Dead Load	RXN	Reaction
DN	Down	SCHED	Schedule
do.	Ditto	SECT	Section
DP	Deep	SEOR	Structural Engineer of Record
DWG(S)	Drawing(s)	SF	Square Foot
DWL	Dowel	SIM	Similar
(E)	Existing	SL	Slope(d)
EA	Each	SOD	Slab On Deck
EE	Each End	SOG	Slab On Grade
EF	Each Face	SPA	Space(s)/Spacing
EJ	Expansion Joint	SPEC(S)	Specification(s)
EL	Elevation	SQ	Square
ELEC	Electrical	STD	Standard
ELEV	Elevator	STIFF	Stiffener
EMBED	Embedment/Embedded	STIR.	Stirrup
ENGR	Engineer	STL	Steel
EOD	Edge Of Deck	STRUC	Structural
EOS	Edge Of Slab	SUPT	Support
EQ	Equal	SYM	Symmetrical
EQP	Equipment	T	Top
ES	Each Side	T/	Top of
EXCAV	Excavate/Excavation	T&B	Top and Bottom
EXP	Expansion	TEMP	Temporary, Temperature
EXT	Exterior	THK	Thick(ness)
EW	Each Way	TRANS	Transverse
F/	Face of	TYP	Typical
FDN	Foundation	UNO	Unless Noted Otherwise
FIN.	Finish(ed)	U-P	Underpinning
FL	Floor	V	Shear
FLG	Flange	VAR	Varies
FRMG	Framing	VB	Vapor Barrier
FS	Far Side	VEF	Vertical Each Face
FT	Feet	VERT	Vertical
FTG	Footing	VIF	Vertical Inside Face, Verify In Field
FUT	Future		
GA	Gage	VOF	Vertical Outside Face
GALV	Galvanize(d)	VR	Vapor Retarder
GC	General Contractor	w/	With
GR	Grade	w/o	Without
HDR	Header	WP	Work Point, Waterproofing
HEF	Horizontal Each Face	WT	Weight
HI.	High	WWF	Welded Wire Fabric
HIF	Horizontal Inside Face	±	Exist Dim or El (VIF)
HK	Hook(ed)		
HOF	Horizontal Outside Face		

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

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FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — DENISE L RICHARDS — ENGINEER PE073244 — 03/13/2026

DENISE L. RICHARDS
PE#073244

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
GENERAL NOTES

PROJECT NO. (CITY | K&H): 52025-E-06-01 | 240239A.01
DATE: 04/09/2026
SCALE: AS NOTED
DRAWN BY: MV, SA, DL
CHECKED BY: AC, DR
DRAWING NO.: S0.0
FILE:

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

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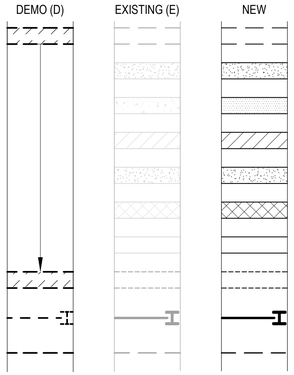
MATERIAL LEGEND



CONSTRUCTION NOTATION
WORK INDICATED IS NEW UNLESS NOTED AS
(E) = EXISTING CONSTRUCTION TO REMAIN.
(D) = DEMOLISH EXISTING CONSTRUCTION.
(R) = REPLACE EXISTING CONSTRUCTION WITH _____.

SYMBOLS

- 4" SOG 0'-0" — CONCRETE SLAB ON GRADE WITH TOP OF SLAB ELEVATION. SEE PLAN NOTES OR SCHEDULE
- 0'-0" — SPOT ELEVATION, SEE PLAN NOTES
- (_'-__") — T/STEEL ELEVATION SEE PLAN NOTES
- L_ — LINTEL ABOVE (LOAD-BEARING), SEE SCHEDULE
- SLOPE ARROW
- DIMENSION. DOT SNAPS TO CL OR GRIDS. TICK SNAPS TO EDGE OR FACE OF OBJECT.
- (E) GRID LINE

CAST IN PLACE CONCRETE CLEAR COVER FOR REINFORCEMENT

EXPOSURE	MEMBER	REINFORCEMENT	CLEAR COVER (IN)
CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	ALL	ALL	3
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND (NOT CAST AGAINST)	ALL	#6 BARS & LARGER	2
		#5 BARS & SMALLER	1 1/2
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND (INTERIOR)	SLABS	#11 BARS & SMALLER	3/4
	BEAMS, COLUMNS, WALLS, PIERS, & PILASTERS	ALL	1 1/2

NOTES:
1. COVER IS MEASURED FROM THE OUTERMOST FACE OF THE CONCRETE SURFACE TO THE OUTERMOST SURFACE OF THE REINFORCEMENT. COVER SHALL BE MEASURED TO THE OUTERMOST SURFACE OF THE STIRRUPS OR TIES WHERE PROVIDED.
2. WALLS BELOW GRADE SHALL BE ASSUMED TO BE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND, EVEN IF WATERPROOFED.

STRUCTURAL DESIGN LOADS AND FACTORS

DESIGN CODE: INTERNATIONAL BUILDING CODE 2018 ED
ASCE 7-16

DEAD & LIVE LOAD DATA - FLOOR & ROOF		
FLOOR OR ROOF AREA	SDL [psf]	LL [psf]
BASEMENT		100
FIRST FLOOR		100
ROOF		20

RAIN & SNOW LOAD DATA	
GROUND SNOW LOAD (Pg) [psf]	25
FLAT ROOF SNOW LOAD (Pf) [psf]	17.5
MINIMUM SNOW LOAD (Pm) [psf]	20
SNOW LOAD IMPORTANCE (Is)	1.0
SNOW EXPOSURE (Ce)	1.0
THERMAL FACTOR (Ct)	1.0
SLOPE FACTOR (Cs)	--
DRIFT SURCHARGE (Pd) [psf]	--
DRIFT WIDTH (w) [ft]	--
1-HR RAIN INTENSITY (i) [in/hr]	2.94
15-MIN RAIN INTENSITY (i) [in/hr]	5.58

WIND LOAD DATA	
RISK CATEGORY	II
WIND EXPOSURE	C
ULTIMATE WIND SPEED (Vult) (MPH)	115
NOMINAL WIND SPEED (Vasd) (MPH)	90
INTERNAL PRESSURE COEFFICIENT	±0.18
COMPONENTS AND CLADDING WIND PRESSURE [psf]	SEE SCHED

EARTHQUAKE DESIGN DATA	
RISK CATEGORY	II
SEISMIC IMPORTANCE FACTOR (Ie)	1.0
MAPPED SPECTRAL RESPONSE ACCELERATION 0.2 SEC (Ss)	0.200
MAPPED SPECTRAL RESPONSE ACCELERATION 1.0 SEC (S1)	0.06
SITE CLASS (ASSUMED)	D
DESIGN SPECTRAL RESPONSE ACCELERATION 0.2 SEC (Sds)	0.213
DESIGN SPECTRAL RESPONSE ACCELERATION 1.0 SEC (Sd1)	0.096
SEISMIC DESIGN CATEGORY	B
ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE	N/A

LOOSE LINTEL SCHEDULE (NON-LOAD BEARING WALLS)

M.O. WIDTH (MAX)	WALL THICKNESS 4"	WALL THICKNESS 6"	SECTION 4"	SECTION 6"
TO 3'-0"	L 3 1/2 x 3 1/2 x 1/4	L 5 x 5 x 5/16	L	L
TO 4'-0"	L 3 1/2 x 3 1/2 x 1/4	L 5 x 5 x 5/16	L	L
TO 5'-0"	L 4 x 3 1/2 x 1/4	L 5 x 5 x 5/16	L	L
TO 6'-0"	L 4 x 3 1/2 x 1/4	L 5 x 5 x 5/16	L	L
TO 7'-0"	L 5 x 3 1/2 x 1/4	L 5 x 5 x 3/8	L	L
TO 8'-0"	L 6 x 3 1/2 x 5/16	L 6 x 6 x 3/8	L	L
TO 8'-0"	4" x 8" NOM DIMENSION PRECAST LINTEL w/ 1-#4 T&B	6" x 8" NOM DIMENSION PRECAST LINTEL w/ 2-#4 T&B		

BEARING AND NON-LOADBEARING WALL LINTEL SCHEDULE NOTES:
1. GALVANIZE ALL LINTELS IN EXTERIOR WALLS AND EXTERIOR WALL BACKUP.
2. MINIMUM THICKNESS OF LOOSE LINTEL ANGLES IN EXTERIOR WALLS TO BE 5/16".
3. BEARING WIDTH SHALL BE 8", UNO.
4. GROUT CMU FOR (16") x (FULL HEIGHT OF OPENING) TO UNDERSIDE OF LINTEL BEARING (TYP, UNO).
5. GROUT OPEN CELLS OF UPPER COURSES MONOLITHICALLY w/ U-SHAPED BLOCK LINTEL.
6. PRECAST CONCRETE (PC) LINTELS SHALL BE MADE OF 3000 PSI CONCRETE (MINIMUM 28 DAY COMPRESSIVE STRENGTH).
7. USE (2) 4" PC UNITS FOR 8" WALL, 4" + 6" PC UNITS FOR 10" WALL, (2) 6" OR (3) 4" PC UNITS FOR 12" WALL, ETC.
8. USE ARCHITECTURAL AND MECHANICAL DRAWINGS TO COORDINATE LINTEL ELEVATIONS WITH DOOR SCHEDULE, CEILING HEIGHTS, DUCT ELEVATIONS, ETC. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW WITH THIS INFORMATION.

LINTEL SCHEDULE (BEARING WALLS)

MARK	M.O. WIDTH (MAX)	LINTEL COMPOSITION	SECTION	REMARKS
L1	6'-0"	(2) W8x21 w/ 3/8" x WALL THK BOT PL		BOT PL LENGTH TO MATCH MO WIDTH (SEE TYP DETAIL A/S3.2)

CMU REINFORCING DEVELOPMENT & LAP SPLICE LENGTHS (INCHES)

BAR SIZE	BAR POSITION CENTER	BAR POSITION EDGE	STANDARD HOOK
#3	16	16	5
#4	21	26	7
#5	26	40	9
#6	43	74	10

NOTES:
1. SCHEDULE IS BASED ON GRADE 60, UNCOATED REINFORCING, & 1500 psi COMPRESSIVE STRENGTH (f'm) AT 28 DAYS.
2. DEVELOPMENT & LAP SPLICES LENGTHS ARE FOR BOTH TENSION & COMPRESSION BARS.
3. FOR EDGE BAR POSITION, PROVIDE MINIMUM 2" CLEAR COVER FROM OUTSIDE OF CMU FACE SHELL.

CONCRETE GRADE BEAM SCHEDULE

MARK	SIZE ("W"x"D")	TOP CONT REINF	BOT CONT REINF	STIRRUP SIZE	STIRRUP TYPE	STIRRUP LEGS	STIRRUP LE QTY & SPA	STIRRUP TYP SPA	STIRRUP RE QTY & SPA	REMARKS
GB1	12"x14"	2#6	2#6	#3	C	2	1@2"	5 1/2"	1@2"	

REINFORCEMENT DEVELOPMENT & LAP SPLICE LENGTHS (TENSION ONLY)

NOTES:
1. LENGTHS GIVEN IN SCHEDULE ARE BASED ON GRADE 60, UNCOATED REINFORCEMENT IN NORMAL WEIGHT CONCRETE. INCREASE LENGTHS BY THE FACTORS LISTED BELOW BASED ON THE ACTUAL CONDITIONS. EACH FACTOR SHALL BE APPLIED WHERE MULTIPLE CONDITIONS OCCUR.
   - LIGHTWEIGHT CONCRETE = 1.3
   - EPOXY COATED REINF w/ CLEAR COVER LESS THAN 3xBAR DIA OR CLEAR SPACING LESS THAN 6xBAR DIA = 1.5
   - ALL OTHER EPOXY COATED REINF = 1.2
2. LENGTHS GIVEN IN SCHEDULES ARE BASED ON EITHER:
   - BEAMS & COLUMNS - CLEAR SPACING OF REINF NOT LESS THAN BAR DIA & CLEAR COVER OF AT LEAST BAR DIA
   - SLABS & WALLS - CLEAR SPACING OF REINF NOT LESS THAN 2xBAR DIA & CLEAR COVER NOT LESS THAN BAR DIA.

   INCREASE LENGTHS BY A FACTOR OF 1.5 IF THESE SPACING REQUIREMENTS ARE NOT MET.
3. CONCRETE STRENGTH INDICATED IS 28 DAY COMPRESSIVE STRENGTH.
4. CLASS A TENSION LAP SPLICE LENGTHS SHALL BE TAKEN AS THE DEVELOPMENT LENGTH. ONLY USE WHERE PERMITTED ON DRAWINGS.
5. LAP SPLICES SHALL BE MADE USING CONTACT OR NON-CONTACT LAP SPLICES IN ACCORDANCE WITH ACI. MECHANICAL SPLICE COUPLERS MAY BE USED IN LIEU OF LAP SPLICES AT CONTRACTOR OPTION.
6. WHEN BARS OF DIFFERENT SIZES ARE SPLICED, THE SPLICE LENGTH SHALL BE THE LARGER OF EITHER THE DEVELOPMENT LENGTH OF THE LARGER BAR OR THE LAP SPLICE LENGTH OF THE SMALLER BAR.
7. A FACTOR OF 0.7 CAN BE APPLIED TO THE SCHEDULED DEVELOPMENT LENGTHS FOR HOOKED REINFORCEMENT WITH CLEAR COVER GREATER THAN 2 1/2".
8. A "TOP BAR" IS DEFINED AS A HORIZONTAL BAR WITH MORE THAN 12" OF FRESH CONCRETE PLACED BELOW THE BAR. ALL OTHER CONDITIONS SHALL BE CONSIDERED "OTHER BARS."
9. SCHEDULES APPLY TO REINFORCEMENT PLACED IN CONCRETE ONLY. REFER TO THE CMU DEVELOPMENT AND LAP SPLICE LENGTH TABLE FOR REINF PLACED IN CMU.

STRAIGHT BARS IN TENSION

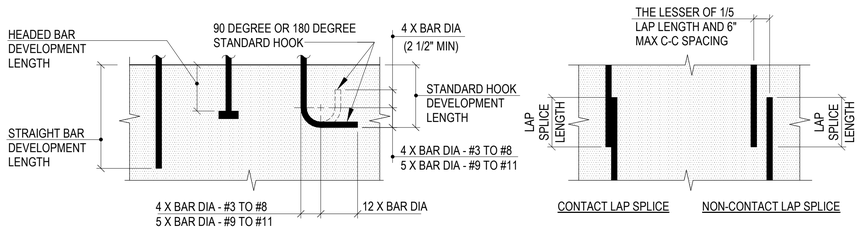
BAR SIZE	CONDITION	CONCRETE STRENGTH (psi) 4000 TOP BARS	4000 OTHER BARS	4500 TOP BARS	4500 OTHER BARS	5000 TOP BARS	5000 OTHER BARS
#3	DEV. LENGTH	1'-7"	1'-3"	1'-6"	1'-2"	1'-5"	1'-1"
	CLASS B SPLICE	2'-1"	1'-7"	1'-11"	1'-6"	1'-10"	1'-5"
#4	DEV. LENGTH	2'-1"	1'-7"	2'-0"	1'-6"	1'-11"	1'-5"
	CLASS B SPLICE	2'-9"	2'-1"	2'-7"	2'-0"	2'-5"	1'-11"
#5	DEV. LENGTH	2'-7"	2'-0"	2'-6"	1'-11"	2'-4"	1'-10"
	CLASS B SPLICE	3'-5"	2'-7"	3'-2"	2'-6"	3'-0"	2'-4"
#6	DEV. LENGTH	3'-1"	2'-5"	2'-11"	2'-3"	2'-10"	2'-2"
	CLASS B SPLICE	4'-1"	3'-1"	3'-10"	2'-11"	3'-8"	2'-10"
#7	DEV. LENGTH	4'-6"	3'-6"	4'-3"	3'-4"	4'-1"	3'-2"
	CLASS B SPLICE	5'-11"	4'-6"	5'-7"	4'-3"	5'-3"	4'-1"
#8	DEV. LENGTH	5'-2"	4'-0"	4'-11"	3'-9"	4'-8"	3'-7"
	CLASS B SPLICE	6'-9"	5'-2"	6'-4"	4'-11"	6'-0"	4'-8"
#9	DEV. LENGTH	5'-10"	4'-6"	5'-6"	4'-3"	5'-3"	4'-0"
	CLASS B SPLICE	7'-7"	5'-10"	7'-2"	5'-6"	6'-9"	5'-3"
#10	DEV. LENGTH	6'-7"	5'-1"	6'-2"	4'-9"	5'-11"	4'-6"
	CLASS B SPLICE	8'-6"	6'-7"	8'-0"	6'-2"	7'-8"	5'-11"
#11	DEV. LENGTH	7'-3"	5'-7"	6'-10"	5'-4"	6'-6"	5'-0"
	CLASS B SPLICE	9'-6"	7'-3"	8'-11"	6'-10"	8'-6"	6'-6"

DEVELOPMENT LENGTH OF STANDARD HOOK IN TENSION

BAR SIZE	CONCRETE STRENGTH (psi) 4000	4500	5000
#3	0'-8"	0'-7"	0'-7"
#4	0'-10"	0'-9"	0'-9"
#5	1'-0"	1'-0"	0'-11"
#6	1'-3"	1'-2"	1'-1"
#7	1'-5"	1'-4"	1'-3"
#8	1'-7"	1'-6"	1'-5"
#9	1'-10"	1'-9"	1'-8"
#10	2'-1"	1'-11"	1'-10"
#11	2'-3"	2'-2"	2'-0"

DEVELOPMENT LENGTH OF HEADED BAR IN TENSION

BAR SIZE	CONCRETE STRENGTH (psi) 4000	4500	5000
#3	0'-6"	0'-6"	0'-6"
#4	0'-8"	0'-8"	0'-7"
#5	0'-10"	0'-9"	0'-9"
#6	1'-0"	0'-11"	0'-11"
#7	1'-2"	1'-1"	1'-0"
#8	1'-4"	1'-3"	1'-2"
#9	1'-6"	1'-5"	1'-4"
#10	1'-8"	1'-7"	1'-6"
#11	1'-10"	1'-9"	1'-8"



PLAN EXAMINER STAMP AREA:

CONCRETE GRADE BEAM SCHEDULE NOTES:
1. SAS = SEE ADJACENT SPAN. REINF FROM ADJACENT SPAN TO BE CONT THROUGH SUPPORT.
2. LE = BEAM LEFT END, RE = BEAM RIGHT END, CANT = CANTILEVER. THE ORIENTATION OF THE BEAM MARK ON PLAN DEFINES THE RIGHT AND LEFT ENDS OF EACH BEAM FOR PLACEMENT OF ADDITIONAL TOP REINF. SEE FRAMING NOTATIONS.
3. UNLESS SHOWN OR NOTED OTHERWISE, FIRST STIRRUP SHALL BE SPACED 2" FROM FACE OF SUPPORT. SEE 'REMARKS' COLUMN FOR ADDITIONAL STIRRUPS THROUGH SUPPORT.
4. STIRRUPS 4@6" INDICATES 4 STIRRUPS SPACED @ 6". SPACING IN "STIRRUP LE" AND "STIRRUP RE" STARTS AT THE BEAM SUPPORT AND PROGRESSES TOWARDS THE CENTER OF THE BEAM.
5. CONTINUOUS TOP AND BOTTOM REINFORCING SHALL PASS BETWEEN THE LONGITUDINAL REINFORCING OF SUPPORTING COLUMNS.
6. O = OPEN STIRRUPS; C = CLOSED STIRRUPS. SEE CONCRETE BEAM DETAIL.
7. TOP LEFT & RIGHT REINF IS IN ADDITION TO THE SCHEDULED TOP CONT REINF.
8. USE TYP STIRRUP SPACING WHERE NO QUANTITY IS NOTED IN LE OR RE COLUMN.
9. SEE NOTATIONS FOR BEAM ORIENTATION.
10. LAP BOTTOM REINFORCEMENT OVER SUPPORTS.
11. LAP TOP REINFORCEMENT AT MID-SPAN.
12. HOOK TOP REINFORCEMENT AT ENDS OF CANTILEVER AND AT END OF BEAM WHEN BEAM DOES NOT CONTINUE.

CAST-IN-PLACE CONCRETE PROPERTIES SCHEDULE

TYPE	28 DAY COMPRESSIVE STRENGTH	MAX W/C[2] RATIO	AIR CONTENT[1] (±1.5%)	NOMINAL MAXIMUM COARSE AGGREGATE (ASTM C33 GRADING)	EXPOSURE CATEGORY & CLASS (F / S / W / C)
FOUNDATIONS	4,000	0.55	4.5%	1" (#57)	F1 / S0 / W0 / C1
FOUNDATION WALLS	4,500	0.55	4.5%	1" (#57)	F1 / S0 / W0 / C1
INTERIOR SLABS ON GRADE	4,000	-	-	1" (#57)	F0 / S0 / W0 / C0
ALL EXTERIOR SLABS	5,000	0.40	6%	3/4" (#67)	F3 / S0 / W1 / C2
SITE WALLS & RETAINING WALLS	4,500	0.45	6%	1" (#57)	F2 / S0 / W1 / C1

NOTES:
1. AIR-ENTRAIN CONCRETE WHERE PERCENTAGES ARE INDICATED. DO NOT ALLOW AIR CONTENT OF TROWELED FINISHED FLOORS TO EXCEED 3%.
2. W/C INDICATES WATER TO CEMENTITIOUS MATERIALS RATIO.
3. INTERIOR INDICATES CONCRETE PLACED INSIDE THE BUILDING WATERPROOFING ENVELOPE.

REVISIONS

ISSUE	DATE	REVISIONS

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CONSTRUCTION DOCUMENTS

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SEALS
COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL ENGINEER — DENISE L RICHARDS — PE073244 — 03/27/2026
DENISE L. RICHARDS PE#073244

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
STRUCTURAL LOADS & SCHEDULES

PROJECT NO. (CITY | KEH): 52025-E-06-01 | 240239A.01
DRAWING NO.: S0.1
DATE: 04/09/2026
SCALE: AS NOTED
DRAWN BY: MV, SA, DL
CHECKED BY: AC, DR
FILE:

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

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SPECIAL INSPECTIONS PROGRAM - CONCRETE CONCRETE

(IBC TABLE 1705.3)

VERIFICATION AND INSPECTION		CONTINUOUS	PERIODIC	2018 IBC REFERENCE SECTION	REFERENCE STANDARD	COMMENTS
GENERAL	INSPECTION OF FABRICATORS		X	1704.2.5		SEE NOTE 2.
INSPECTION OF REINFORCING STEEL, & PLACEMENT			X	1705.3, 1908.4	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-3	
INSPECTION OF ANCHORS CAST IN CONCRETE			X	1705.3	ACI 318: 17.8.2	
VERIFYING USE OF REQUIRED DESIGN MIX			X	1705.3,1904.1,1904 .2,1908.2,1908.3	ACI 318: Ch. 19, 26.4.3, 26.4.4	
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE		X		1705.3, 1908.10	ASTM C 172 ASTM C 31 ACI 318: 26.5.2, 26.12	
INSPECTION OF CONCRETE & PLACEMENT FOR PROPER APPLICATION TECHNIQUES		X		1705.3,1908.6, 1908.7,1908.8	ACI 318: 26.5	
VERIFYING MAINTENANCE OF SPECIFIED CURING TEMPERATURE & TECHNIQUES			X	1705.3, 1908.9	ACI 318: 26.5.3-5.5	

SPECIAL INSPECTIONS PROGRAM - POST INSTALLED ANCHORS

VERIFICATION AND INSPECTION		CONTINUOUS	PERIODIC	2018 IBC REFERENCE SECTION	REFERENCE STANDARD	COMMENTS
INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE	ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X		TABLE 1705.3	ACI 318: 17.8.2	SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS
	ALL OTHER MECHANICAL ANCHORS AND ADHESIVE ANCHORS		X	TABLE 1705.3	ACI 318: 17.8.2	SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS
INSPECTION OF ANCHORS INSTALLED IN MASONRY			X		ACI 530: TABLE 3.1.3, 3.1.2	REFER TO MASONRY SECTION FOR LEVEL OF INSPECTION REQUIRED. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

SPECIAL INSPECTIONS PROGRAM - SOILS

(IBC TABLE 1705.6)

VERIFICATION AND INSPECTION		CONTINUOUS	PERIODIC	2018 IBC REFERENCE SECTION	REFERENCE STANDARD	COMMENTS
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY			X	1705.6, 1803, 1806		OBTAIN APPROVED GEOTECH REPORT IF APPLICABLE
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL			X	1705.6, 1804, 1808, 1809, 1810		do.
CONTROLLED FILL	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS		X	1705.6, 1803, 1804		do.
	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X		1705.6, 1804		do.
	PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X	1705.6, 1804		do.

SPECIAL INSPECTIONS PROGRAM - STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL

VERIFICATION AND INSPECTION		CONTINUOUS	PERIODIC	2021 IBC REFERENCE SECTION	REFERENCE STANDARD	COMMENTS
GENERAL	INSPECTION OF FABRICATORS		X	1704.2.5		SEE NOTE 2.
WELDING OF STAINLESS STEEL			X		AWS D1.6	
WELDING OF CANTILEVERED STEEL RAILING SYSTEMS			X	1705.2.1	AWS D1.1, D1.3, D1.6	

SPECIAL INSPECTIONS PROGRAM - MASONRY LEVEL 2

VERIFICATION AND INSPECTION		CONTINUOUS	PERIODIC	ACI 530-16/ ASCE 5-16/ TMS 402-16 SECTION	ACI 530.1-16/ ASCE 6-16/ TMS 602-16 ARTICLE	COMMENTS
GENERAL	COMPLIANCE w/ THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS		X		1.5	
	VERIFICATION OF f'_m AND f'_{AAC} PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE CODE		X		1.4B	
	VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT	X			1.5,1.6.3	
AT START OF MASONRY CONSTRUCTION	PROPORTIONS OF SITE-PREPARED MORTAR		X		2.1, 2.6A,2.6C	
	GRADE, TYPE, & SIZE OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS.		X		3.4, 3.6A	
PRIOR TO GROUTING	GROUT SPACE		X		3.2D, 3.2F	
	PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS		X	6.1, 6.3.1, 6.3.6, 6.3.7	3.2E, 3.4	
DURING CONSTRUCTION	MATERIALS AND PROCEDURE WITH THE APPROVED SUBMITTALS		X		1.5	
	PLACEMENT OF MASONRY UNITS & MORTAR JOINT CONSTRUCTION		X		3.3B	
	SIZE & LOCATION OF STRUCTURAL ELEMENTS		X		3.3F	
	TYPE, SIZE & LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION		X	1.2.1(e), 6.1.4.3, 6.2.1		

NOTE: OWNER SHALL ENGAGE THE INDEPENDENT SPECIAL INSPECTION AGENCY. CONTRACTOR TO NOTIFY INSPECTOR OF PROGRESS OF CONSTRUCTION AND PROVIDE ACCESS TO THE SITE TO COMPLETE INSPECTIONS.

STRUCTURAL TESTING & INSPECTION PROGRAM NOTES:

1. THE INTENTION OF THIS TABLE IS TO IDENTIFY THE CONSTRUCTION REQUIRING SPECIAL INSPECTION AS REQUIRED BY THE INTERNATIONAL BUILDING CODE (IBC). OWNER SHALL ENGAGE INDEPENDENT SPECIAL INSPECTION AGENCY. CONTRACTOR TO NOTIFY SPECIAL INSPECTOR OF PROGRESS OF CONSTRUCTION AND PROVIDE ACCESS TO THE SITE TO COMPLETE INSPECTIONS. EACH SPECIAL INSPECTOR IS RESPONSIBLE FOR JOB SPECIFIC ITEMS AS DEFINED IN CHAPTER 17 OF THE IBC (AND IN ACCORDANCE WITH THE SPECIFICATION)
2. INSPECTIONS OF FABRICATORS IS NOT REQUIRED IF THE FABRICATOR IS APPROVED IN ACCORDANCE TO IBC SECTION 1704.2.5 AND CERTIFIES COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
3. THE ITEMS CHECKED WITH AN "X" SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO THE MATERIAL SAMPLING AND TESTING SECTION OF THE PROJECT SPECIFICATIONS AND THE GENERAL NOTES. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ENGINEER, CONTRACTOR AND BUILDING OFFICIAL. ANY CONSTRUCTION WHICH FAILS TO MEET THE PROJECT SPECIFICATIONS AND IBC REQUIREMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND THE ENGINEER IF UNCORRECTED. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
4. FREQUENCY OF INSPECTIONS.
   A. CONTINUOUS SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR SHALL BE ON SITE AT ALL TIMES OBSERVING THE WORK REQUIRING SPECIAL INSPECTION. FOR STRUCTURAL STEEL, INSPECTION TASK MUST BE COMPLETED FOR EACH MEMBER OR CONNECTION.
   B. PERIODIC SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON THE SITE AT THE TIME INTERVALS NECESSARY TO CONFIRM THAT ALL WORK REQUIRING SPECIAL INSPECTIONS IS IN COMPLIANCE. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
5. STRUCTURAL STEEL SPECIAL INSPECTIONS:
   A. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY THE TESTING AGENCY.
   B. "O" INDICATES OBSERVATIONS TO BE PERFORMED ON A RANDOM BASIS. "P" INDICATES TASKS TO BE PERFORMED FOR EACH WELDED JOINT OR MEMBER.
6. ALL WELDS SHALL BE VISUALLY INSPECTED BY AN AWS CERTIFIED WELDING INSPECTOR. ALL PROVISIONS OF AWS D1.1/D1.1M "STRUCTURAL WELDING CODE- STEEL" SHALL APPLY TO STEEL CONSTRUCTION. NON-DESTRUCTIVE TESTING OF WELD JOINTS SHALL BE IN ACCORDANCE WITH AISC 360 SECTION N5.

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — DENISE L RICHARDS — ENGINEER PE073244 — 03/13/2026

DENISE L. RICHARDS
PE#073244

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
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1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
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13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
SPECIAL INSPECTIONS

PROJECT NO. (CITY | K&H) 52025-E-06-01 | 240239A.01	DRAWING NO. S0.2
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY MV, SA, DL	
CHECKED BY AC, DR	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

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NOTE: OWNER SHALL ENGAGE THE INDEPENDENT SPECIAL INSPECTION AGENCY. CONTRACTOR TO NOTIFY INSPECTOR OF PROGRESS OF CONSTRUCTION AND PROVIDE ACCESS TO THE SITE TO COMPLETE INSPECTIONS.

STRUCTURAL TESTING & INSPECTION PROGRAM NOTES:

1. THE INTENTION OF THIS TABLE IS TO IDENTIFY THE CONSTRUCTION REQUIRING SPECIAL INSPECTION AS REQUIRED BY THE INTERNATIONAL BUILDING CODE (IBC). OWNER SHALL ENGAGE INDEPENDENT SPECIAL INSPECTION AGENCY. CONTRACTOR TO NOTIFY SPECIAL INSPECTOR OF PROGRESS OF CONSTRUCTION AND PROVIDE ACCESS TO THE SITE TO COMPLETE INSPECTIONS. EACH SPECIAL INSPECTOR IS RESPONSIBLE FOR JOB SPECIFIC ITEMS AS DEFINED IN CHAPTER 17 OF THE IBC (AND IN ACCORDANCE WITH THE SPECIFICATION)
2. INSPECTIONS OF FABRICATORS IS NOT REQUIRED IF THE FABRICATOR IS APPROVED IN ACCORDANCE TO IBC SECTION 1704.2.5 AND CERTIFIES COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
3. THE ITEMS CHECKED WITH AN "X" SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO THE MATERIAL SAMPLING AND TESTING SECTION OF THE PROJECT SPECIFICATIONS AND THE GENERAL NOTES. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ENGINEER, CONTRACTOR AND BUILDING OFFICIAL. ANY CONSTRUCTION WHICH FAILS TO MEET THE PROJECT SPECIFICATIONS AND IBC REQUIREMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND THE ENGINEER IF UNCORRECTED. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
4. FREQUENCY OF INSPECTIONS.
   A. CONTINUOUS SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR SHALL BE ON SITE AT ALL TIMES OBSERVING THE WORK REQUIRING SPECIAL INSPECTION. FOR STRUCTURAL STEEL, INSPECTION TASK MUST BE COMPLETED FOR EACH MEMBER OR CONNECTION.
   B. PERIODIC SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON THE SITE AT THE TIME INTERVALS NECESSARY TO CONFIRM THAT ALL WORK REQUIRING SPECIAL INSPECTIONS IS IN COMPLIANCE. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
5. STRUCTURAL STEEL SPECIAL INSPECTIONS:
   A. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY THE TESTING AGENCY.
   B. "O" INDICATES OBSERVATIONS TO BE PERFORMED ON A RANDOM BASIS. "P" INDICATES TASKS TO BE PERFORMED FOR EACH WELDED JOINT OR MEMBER.
6. ALL WELDS SHALL BE VISUALLY INSPECTED BY AN AWS CERTIFIED WELDING INSPECTOR. ALL PROVISIONS OF AWS D1.1/D1.1M "STRUCTURAL WELDING CODE- STEEL" SHALL APPLY TO STEEL CONSTRUCTION. NON-DESTRUCTIVE TESTING OF WELD JOINTS SHALL BE IN ACCORDANCE WITH AISC 360 SECTION N5.

PLAN EXAMINER STAMP AREA:

SPECIAL INSPECTIONS PROGRAM - STRUCTURAL STEEL (AISC 360 CHAPTER N)

VERIFICATION AND INSPECTION		QC	QA	2018 IBC REFERENCE SECTION	AISC 360 REFERENCE	COMMENTS
GENERAL	INSPECTION OF FABRICATORS		P	1704.2.5		SEE NOTE 2.
	DOCUMENT ACCEPTANCE OR REJECTION OF INSPECTED ITEMS	P	P		TABLES N5.4-3, N5.6-3, N6.1	WELDED ELEMENTS, BOLTED ELEMENTS
PLACEMENT OF ANCHOR RODS & OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL	VERIFY DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM		P		SECTION N5.8	
	VERIFY EXTENT OR DEPTH OF EMBEDMENT INTO CONCRETE PRIOR TO CONCRETE PLACEMENT		P		SECTION N5.8	
INSPECTION OF GALVANIZED STRUCTURAL STEEL MEMBERS	EXPOSED CUT SURFACES & EXPOSED CORNERS OR RECTANGULAR HSS SHALL BE VISUALLY INSPECTED FOR CRACKS SUBSEQUENT TO GALVANIZING	P			SECTION N5.7	CRACKS SHALL BE REPAIRED OR MEMBER REJECTED
INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE w/ CONSTRUCTION DOCUMENTS	DETAILS SUCH AS BRACING & STIFFENING	P			SECTION N5.8	
	MEMBER LOCATIONS	P			SECTION N5.8	
	APPLICATION OF JOINT DETAILS AT EACH CONNECTION	P			SECTION N5.8	
PRIOR TO WELDING	WELDER QUALIFICATION RECORDS & CONTINUITY RECORDS	P	O		TABLE N5.4-1	
	WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	P	P		TABLE N5.4-1	
	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P		TABLE N5.4-1	
	MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O		TABLE N5.4-1	
	WELDER IDENTIFICATION SYSTEM	O	O		TABLE N5.4-1	THE FABRICATOR OR ERECTOR SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED
	FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) - JOINT PREPARATION - DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) - CLEANLINESS (CONDITION OF STEEL SURFACES) - TACKING (TACK WELD QUALITY AND LOCATION) - BACKING TYPE AND FIT (IF APPLICABLE)	O	O		TABLE N5.4-1	
	CONFIGURATION AND FINISH OF ACCESS HOLES	O	O		TABLE N5.4-1	
	FIT-UP OF FILLET WELDS - DIMENSIONS (ALIGNMENT, GAPS AT ROOT) - CLEANLINESS (CONDITION OF STEEL SURFACES) - TACKING (TACK WELD QUALITY AND LOCATION)	O	O		TABLE N5.4-1	
	CHECK WELDING EQUIPMENT	O			TABLE N5.4-1	
DURING WELDING	CONTROL AND HANDLING OF WELDING CONSUMABLES - PACKAGING - EXPOSURE CONTROL	O	O		TABLE N5.4-2	
	NO WELDING OVER CRACKED TACK WELDS	O	O		TABLE N5.4-2	
	ENVIRONMENTAL CONDITIONS - WIND SPEED WITHIN LIMITS - PRECIPITATION AND TEMPERATURE	O	O		TABLE N5.4-2	
	WPS FOLLOWED - SETTINGS ON WELDING EQUIPMENT - TRAVEL SPEED - SELECTED WELDING MATERIALS - SHIELDING GAS TYPE/FLOW RATE - PREHEAT APPLIED - INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) - PROPER POSITION (F, V, H, OH)	O	O		TABLE N5.4-2	
	WELDING TECHNIQUES - INTERPASS AND FINAL CLEANING - EACH PASS WITHIN PROFILE LIMITATIONS - EACH PASS MEETS QUALITY REQUIREMENTS	O	O		TABLE N5.4-2	
	PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	P	P		TABLE N5.4-2	
AFTER WELDING	WELDS CLEANED	O	O		TABLE N5.4-3	
	SIZE, LENGTH AND LOCATION OF WELDS	P	P		TABLE N5.4-3	
	WELDS MEET VISUAL ACCEPTANCE CRITERIA - CRACK PROHIBITION - WELD/BASE-METAL FUSION - CRATER CROSS SECTION - WELD PROFILES - WELD SIZE - UNDERCUT - POROSITY	P	P		TABLE N5.4-3	
	ARC STRIKES	P	P		TABLE N5.4-3	
	k-AREA	P	P		TABLE N5.4-3	WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES, OR STIFFENERS HAS BEEN PERFORMED IN THE k-AREA, VISUALLY INSPECT THE WEB FOR CRACKS WITHIN 3" OF WELD
	WELD ACCESS HOLES IN ROLLED HEAVY SHAPES & BUILT-UP HEAVY SHAPES	P	P		TABLE N5.4-3	AFTER ROLLED HEAVY SHAPES (SEE AISC SECTION A3.1c) & BUILT - UP HEAVY SHAPES (SEE AISC SECTION A3.14) ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLES FOR CRACKS
	BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	P		TABLE N5.4-3	
	REPAIR ACTIVITIES	P	P		TABLE N5.4-3	
	NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	O	O		TABLE N5.4-3	

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS
COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
DENISE L RICHARDS
ENGINEER PE073244
03/13/2026
DENISE L. RICHARDS
PE#073244

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
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13TH FLOOR, ONE PARKWAY BUILDING
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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
SPECIAL INSPECTIONS

PROJECT NO. (CITY | K&H) 52025-E-06-01 | 240239A.01	DRAWING NO. S0.3
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY MV, SA, DL	
CHECKED BY AC, DR	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

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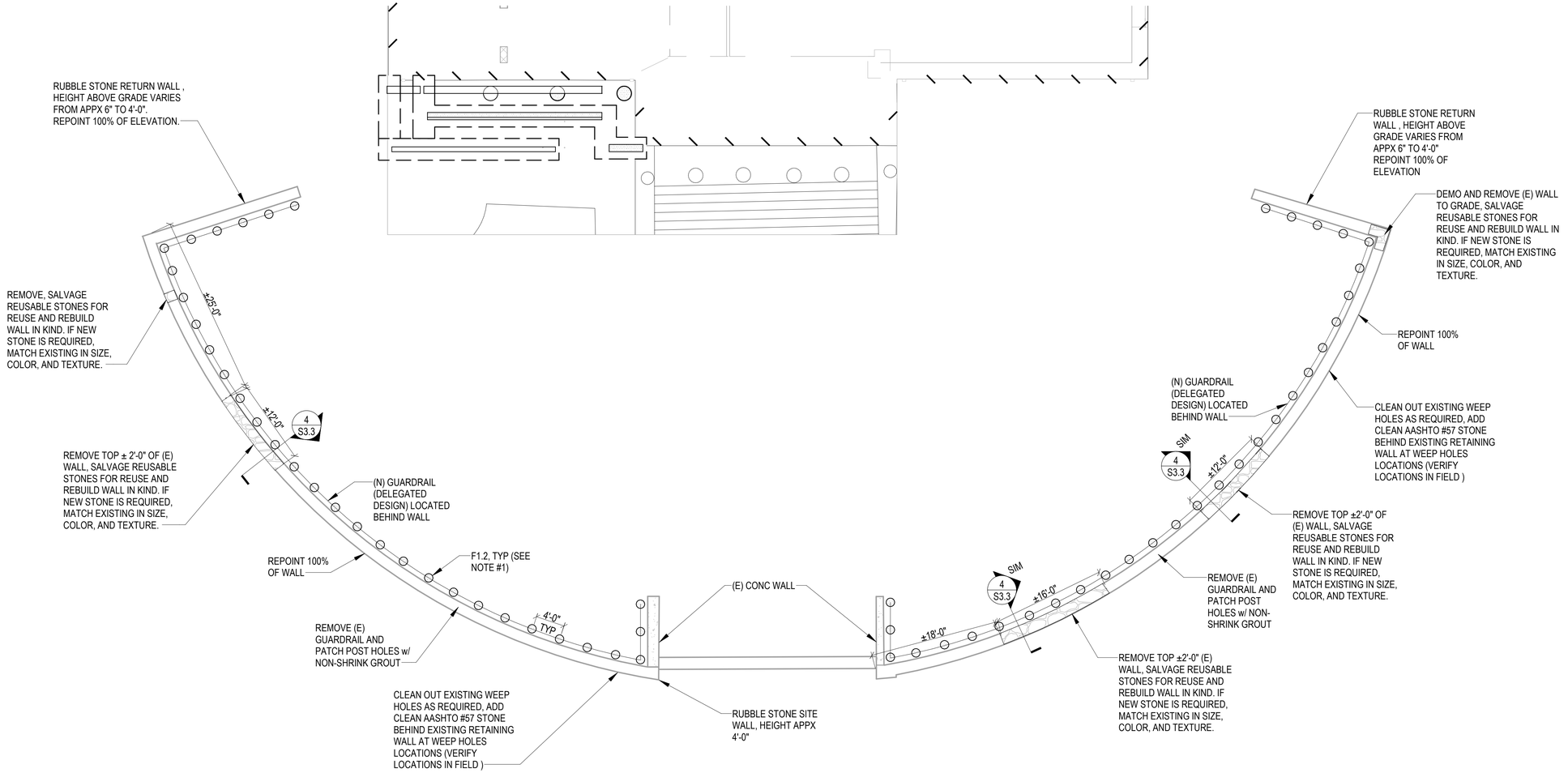

N

1 S2.0 SITE RETAINING WALL PLAN

8' 0 8' 16'

SCALE AT FULL SIZE 1/8" = 1'-0"

NOTES:
1. "F.2" INDICATES 14"Øx5"-8" DEEP SONOTUBE FTG FOR GUARD RAILING POST SUPPORT REINF w/ 6 #4 VERT w/ #3@12" TIES w/ 3 ADDITIONAL TIES AT TOP OF SONOTUBE. SEE DETAIL H/S3.1 AND 4/S3.3 FOR ADDITIONAL INFORMATION.

PLAN EXAMINER STAMP AREA:

REVISIONS

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FIND YOUR PATH PHILADELPHIA PARKS & RECREATION

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL DENISE L RICHARDS ENGINEER PE073244 03/13/2026

DENISE L. RICHARDS
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ARCHITECT:
SMP ARCHITECTS
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13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

SITE RETAINING WALL PLAN

PROJECT NO. (CITY | K&H) 52025-E-06-01 | 240239A.01	DRAWING NO. S2.0
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY MV, SA, DL	
CHECKED BY AC, DR	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

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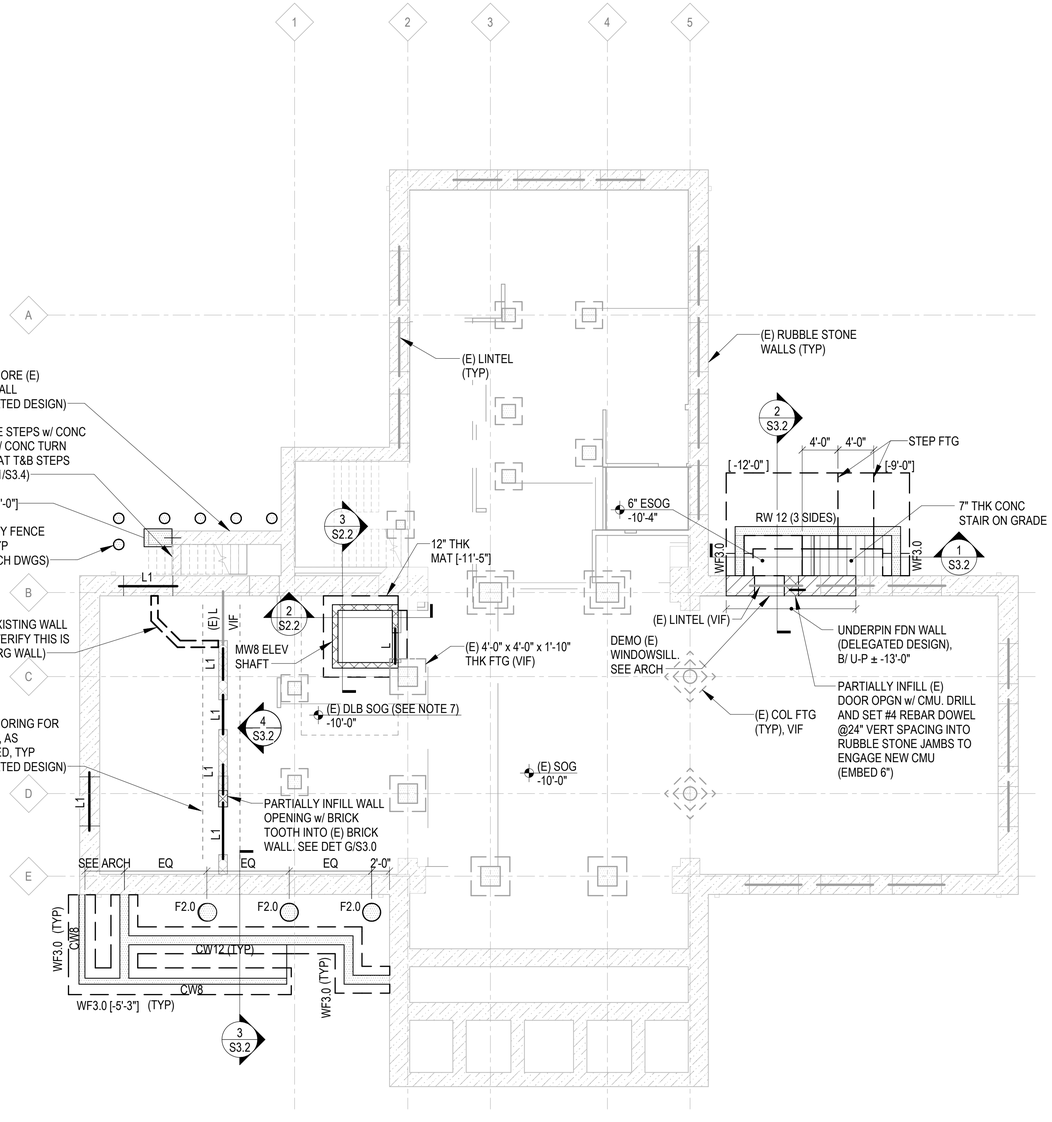
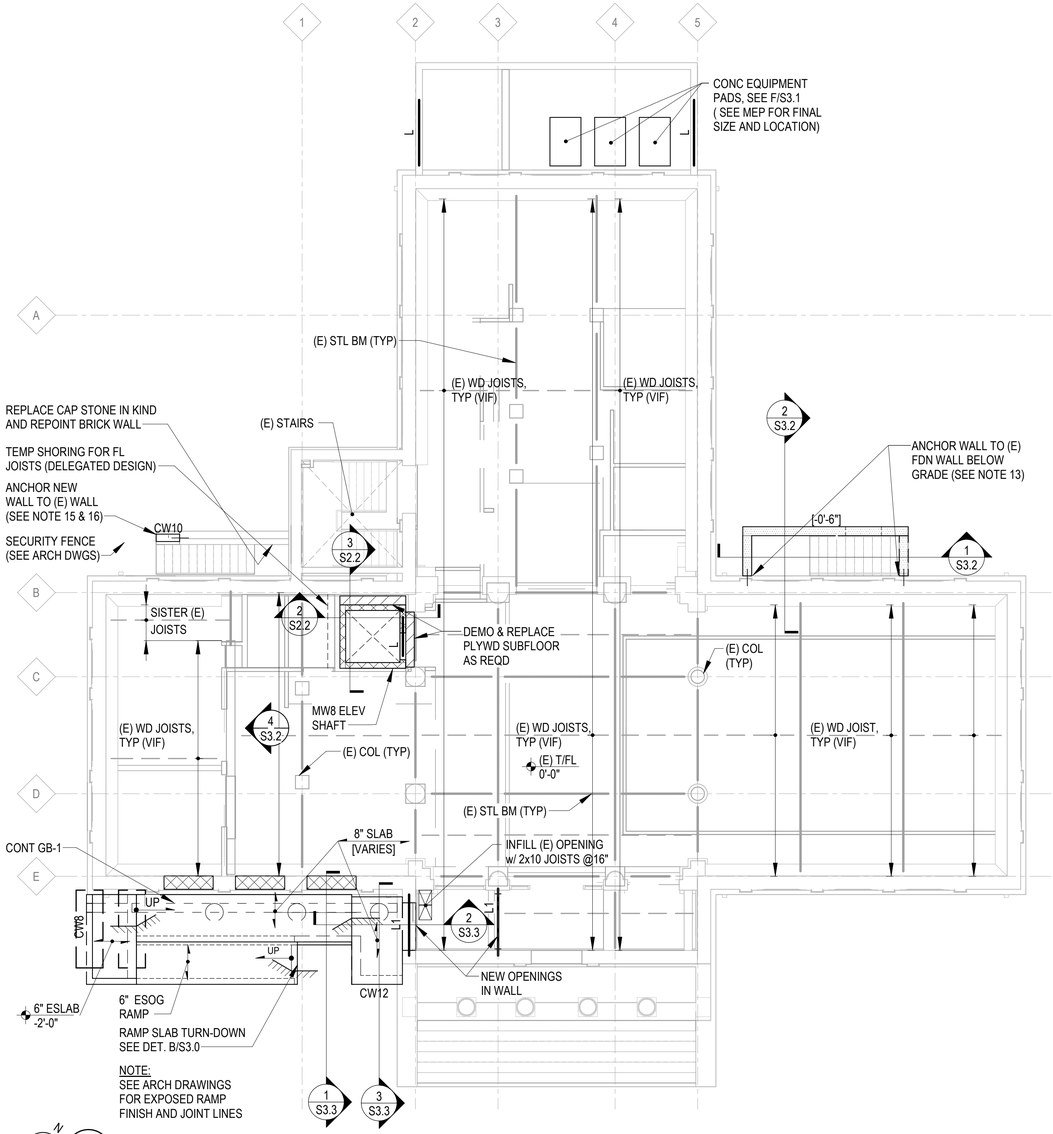


1 S2.1 FOUNDATION PLAN

8' 0 8' 16'

SCALE AT FULL SIZE 1/8" = 1'-0"



NOTE:
SEE ARCH DRAWINGS FOR EXPOSED RAMP FINISH AND JOINT LINES

2 S2.1 FIRST FLOOR FRAMING PLAN

8' 0 8' 16'

SCALE AT FULL SIZE 1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

FOUNDATION PLAN NOTES:

1. TOP OF EXISTING SLAB ELEVATION TO BE VIF. DATUM ELEVATION IS TOP OF FIRST FLOOR (0'-0").
2. REFERENCE CIVIL DRAWINGS FOR SITE CONSTRUCTION OUTSIDE OF THE BUILDING FOOTPRINT.
3. REFERENCE CIVIL AND PLUMBING DRAWINGS FOR UNDERGROUND UTILITY INFORMATION. COORDINATE FOUNDATION ELEVATIONS WITH UTILITIES. SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
4. REFERENCE SHEET S3.0 FOR TYPICAL DETAILS OF CONSTRUCTION NOT SHOWN ON PLAN.
5. 6" ESOG INDICATES 6" THICK CONCRETE SLAB ON GRADE REINFORCED w/ 6x6 W4.0xW4.0 EPOXY COATED WWF OVER CRUSHED STONE.
6. L INDICATES NON-LOAD BEARING PRECAST CONCRETE LINTEL. SEE SCHEDULE ON SHEET S0.1.
7. (E) DLB SOG INDICATES APPX EXTENT OF FORMER 1'-5" DEEP DEPRESSION THAT WAS INFILLED AND CAPPED w/ AN ADD'L SOG TO MATCH BSMT DLEV.
8. F2.0 INDICATES 24"Ø SONOTUBE FTG w/ 6#6 VERT @ #3@12" TIES w/ 3 ADDITIONAL TIES AT TOP OF SONOTUBE. BOTTOM OF FTG TO MATCH (E) SEE H/S3.1 AND 4/S3.3 FOR ADDITIONAL INFORMATION.
9. WF3.0 INDICATES CONTINUOUS 36" WIDE x16" THICK WALL FTG w/ 4#5 LONGITUDINAL & #5@12" TRANSVERSE REINFORCEMENT.
10. CW8 INDICATES 8" THICK CONCRETE WALL. SEE SECTIONS FOR REINF.
11. CW12 INDICATES 12" THICK CONCRETE WALL. SEE SECTIONS FOR REINF.
12. RW12 INDICATES 12" THICK RETAINING WALL. SEE SECTIONS FOR REINF.
13. MW8 INDICATES 8" REINFORCED CMU WALL (FULLY GROUTED) w/ #5@32" VERT. ADDITIONAL 2#5 VERT REINF AT EA JAMB AND WALL CORNER CONDITION.
14. WF2.0 INDICATES CONTINUOUS 24" WIDE X16" THICK WALL FTG W/ 3#5 LONGITUDINAL & #5@12" TRANSVERSE REINFORCEMENT.
15. Lx INDICATES LOAD BEARING LINTEL. SEE SCHEDULE ON SHEET S0.1.

FRAMING PLAN NOTES:

1. SEE PLAN FOR TOP OF FLOOR ELEVATIONS. FIRST FLOOR ELEVATION IS (0'-0").
2. REFERENCE FOUNDATION PLANS FOR GRID DIMENSIONS.
3. REFERENCE ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB DIMENSIONS.
4. REFERENCE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FIREPROOFING REQUIREMENTS.
5. REFERENCE SHEET S3.0 FOR TYPICAL DETAILS OF CONSTRUCTION NOT SHOWN ON PLAN.
6. 12" MAT INDICATES 12" THICK CONCRETE MAT FOUNDATION w/ #6 @ 12" T&B EW.
7. 4" ESOG INDICATES 4" THICK CONCRETE SLAB ON GRADE REINFORCED w/ 6x6 W2.0xW2.0 EPOXY COATED WWF OVER CRUSHED STONE AND COMPACTED SOIL.
8. L INDICATES NON-LOAD BEARING PRECAST CONCRETE LINTEL. SEE SCHEDULE ON SHEET S0.1.
9. ▨ HATCH INDICATES (E) WINDOW TO BE INFILLED w/ CMU BLOCK (GROUTED SOLID), ATTACH TO (E) WALL w/ POST-INSTALLED REBAR
10. GB-1 INDICATES A 12" WIDE x14" DEEP CONC BEAM w/ 2#6 T&B & #3@5 1/2" STIRRUPS.
11. 6" ESLAB INDICATES 6" THICK CONC SLAB w/ #4@12" (EPOXY COATED) CENTERED EW OVER COMPACTED CRUSED STONE AND COMPACTED SOIL.
12. 8" ESLAB INDICATES 8" THICK CONC SLAB w/ #4@12" (EPOXY COATED) CENTERED EW OVER COMPACTED CRUSHED STONE AND COMPACTED SOIL.
13. DRILL AND SET #6 DOWEL SPACED VERT @12" oc, EMBED 4 1/2" w/ MESH SLEEVES INTO FND WALL (BELOW GRADE ONLY).
14. MW8 INDICATES 8" REINFORCED CMU WALL (FULLY GROUTED) w/ #5@32" VERT. ADDITIONAL 2#5 VERT REINF AT EA JAMB AND WALL CORNER CONDITION.
15. DRILL AND SET #4 DOWELS SPACED 12" VERTICALLY TO (E) BRICK WALL W/ HILTI HY-270 ADHESIVE WITH MESH SLEEVES (EMBED 8", PROJECT 12").
16. CW10 INDICATES 10" CONCRETE WALL w/ BRICK FACING THE STAIRS & REINFORCED w/ #4@12" EW EF.
17. Lx INDICATES LOAD BEARING LINTEL. SEE SCHEDULE ON SHEET S0.1.

REVISIONS

ISSUE	DATE	REVISIONS

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CONSTRUCTION DOCUMENTS

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REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — DENISE L RICHARDS — ENGINEER PE073244 — 03/13/2026

DENISE L. RICHARDS
PE#073244

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

FOUNDATION & FIRST FLOOR FRAMING PLANS

PROJECT NO. (CITY | K&H) 52025-E-06-01 | 240239A.01	DRAWING NO. S2.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY MV, SA, DL	
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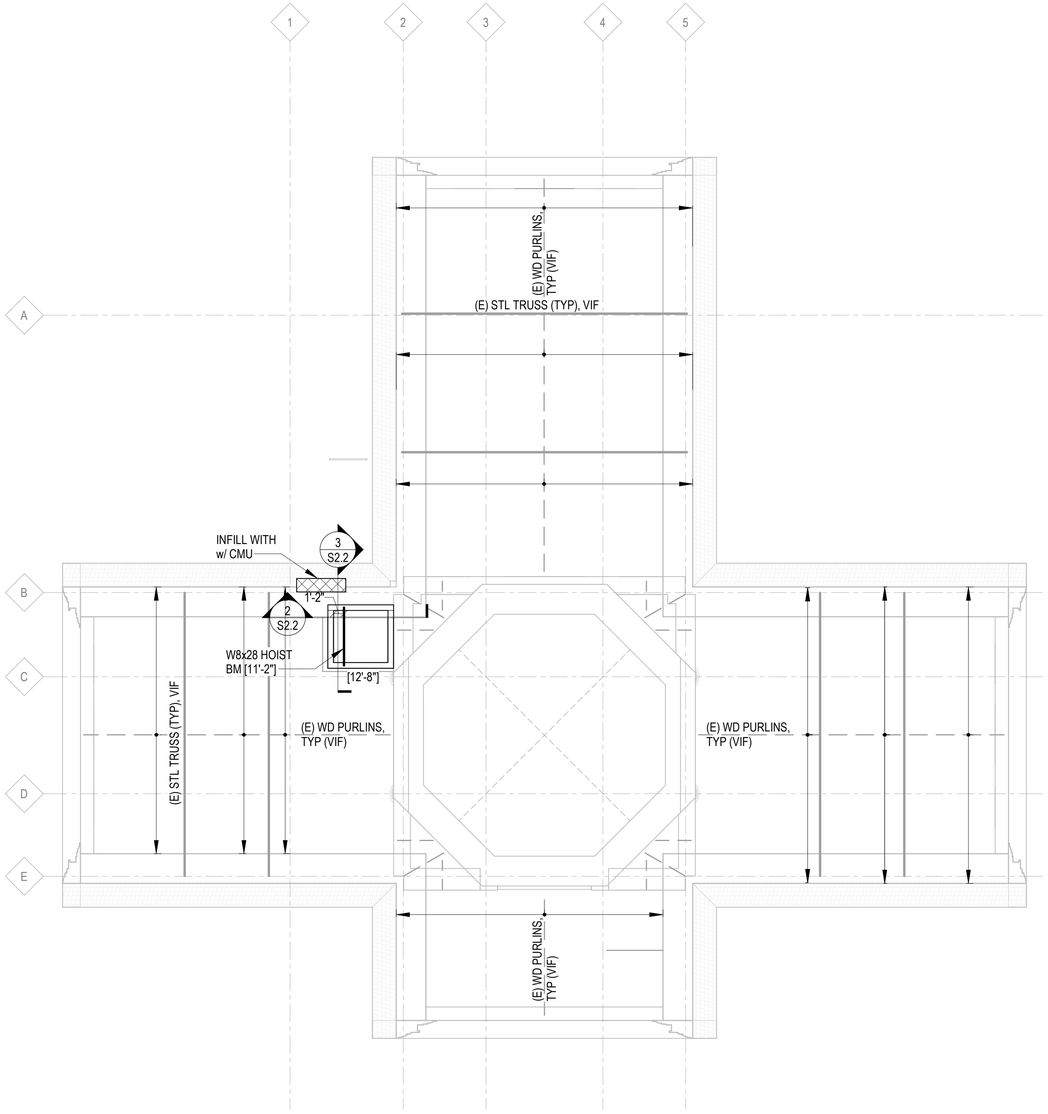


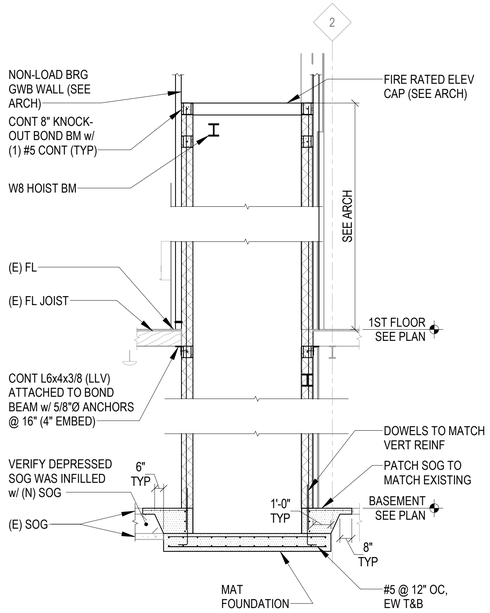
1 S2.2 ROOF FRAMING PLAN

8' 0 8' 16'

SCALE AT FULL SIZE 1/8" = 1'-0"

FRAMING PLAN NOTES:

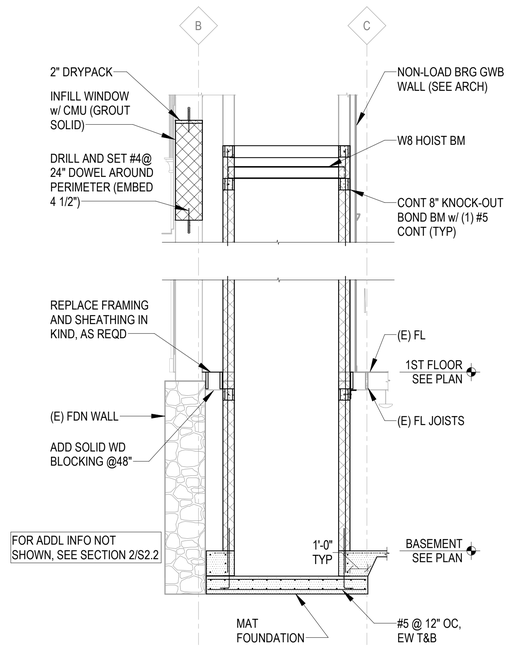
1. ALL ELEVATIONS SHOWN ARE RELATIVE TO FIRST FLOOR ELEVATION.
2. REFERENCE FOUNDATION PLANS FOR GRID DIMENSIONS.
3. REFERENCE SHEET S3.0 FOR TYPICAL DETAILS OF CONSTRUCTION NOT SHOWN ON PLAN.



2 S2.2 ELEVATOR SHAFT SECTION

4' 0 4' 8'

SCALE AT FULL SIZE 1/4" = 1'-0"



3 S2.2 ELEVATOR SHAFT SECTION

4' 0 4' 8'

SCALE AT FULL SIZE 1/4" = 1'-0"

PLAN EXAMINER STAMP AREA:

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MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

ROOF FRAMING PLAN

PROJECT NO. (CITY | K&H) 52025-E-06-01 | 240239A.01	DRAWING NO. S2.2
DATE 04/09/2026	
SCALE AS NOTED	
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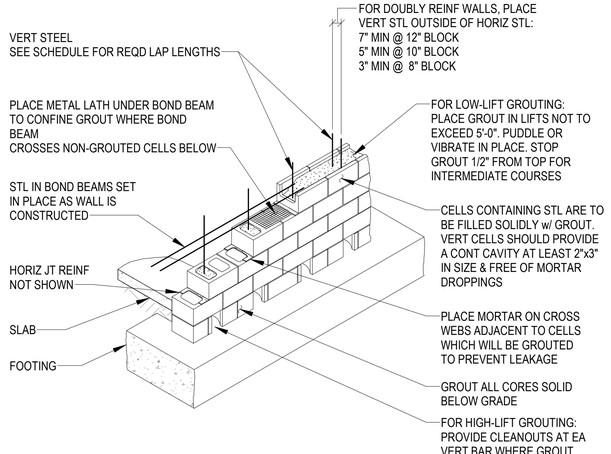
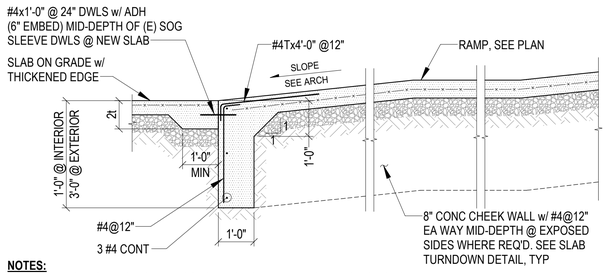
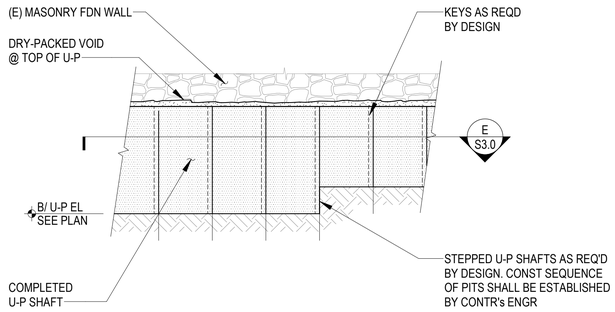


A S3.0 ISOMETRIC VIEW - TYPICAL MASONRY WALL CONSTRUCTION
NTS

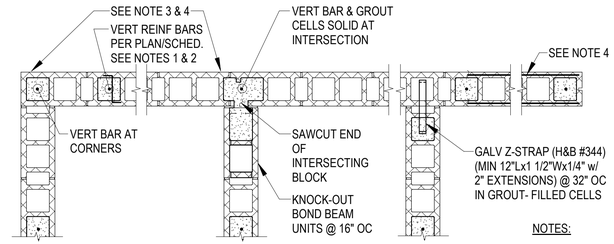


NOTES:
1. SEE TYPICAL SLAB ON GRADE CONSTRUCTION DETAIL FOR INFO NOT SHOWN.
2. EPOXY COAT REINFORCEMENT IN EXTERIOR STAIRS & SLABS.

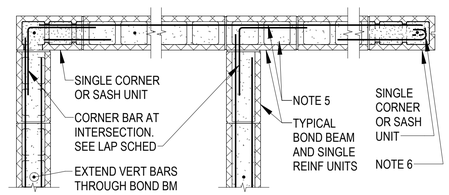
B S3.0 DETAIL - TYPICAL RAMP SLAB ON GRADE
NTS



C S3.0 ELEVATION - TYPICAL COMPLETED U-P SHAFTS @ MAS FDN WALL (DELEGATED DESIGN)
NTS



TYPICAL CMU WALL & REINF

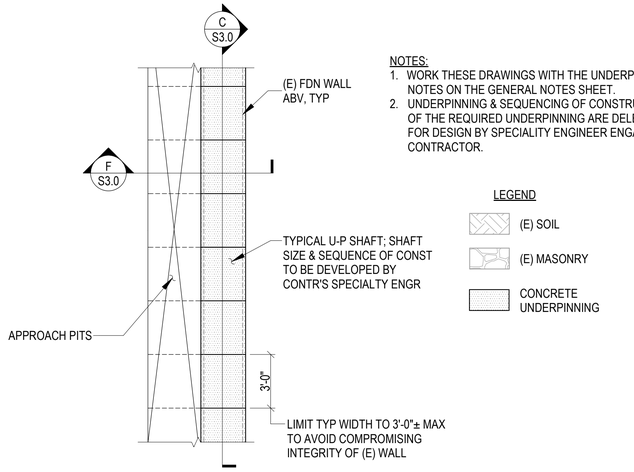


BOND BEAM REINF LAYOUT

NOTES:

1. REINFORCEMENT TO BE SUPPORTED TO PREVENT DISPLACEMENT DURING PLACEMENT OF GROUT OR MORTAR. AS A MINIMUM PROVIDE WIRE POSITIONERS, OR SIMILAR DEVICE, AT THE TOP AND BOTTOM ENDS, AND AT INTERVALS NOT EXCEEDING 192 BAR DIAMETERS.
2. VERT REINF FULL WALL HEIGHT. PROVIDE FULL LAP SPLICE LENGTHS. FULLY GROUT REINF CELLS.
3. AT CORNERS AND INTERSECTIONS, BOND WALLS TOGETHER BY INTERLOCKING ALTERNATE COURSES, UNLESS NOTED OTHERWISE.
4. LADDER-TYPE HORIZONTAL JOINT REINFORCEMENT PER SPECS. USE PREFAB 'T' & 'L' SECTIONS AT INTERSECTIONS AND CORNERS.
5. RUN BOND BEAM REINF CONTINUOUS THROUGH INTERSECTIONS AND CORNERS. INTERRUPT BOND BEAM REINF @ CONTROL JOINTS, EXCEPT MAKE CONTINUOUS AT TOP OF WALLS AND FLOOR LEVELS.
6. STANDARD 180° HOOK AT END OF WALLS & AT CJ's. OPTION TO USE 90° HOOK INTO CMU CORE BELOW.

D S3.0 PLAN DETAIL - TYPICAL SINGLE REINFORCED STRUCTURAL MASONRY WALL
NTS

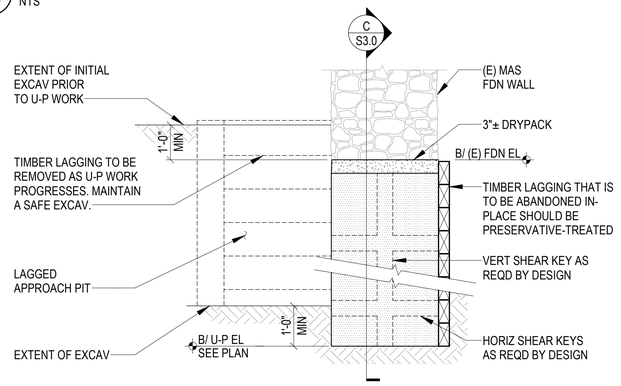


NOTE: LAGGING NOT SHOWN IN PLAN VIEWS FOR CLARITY.

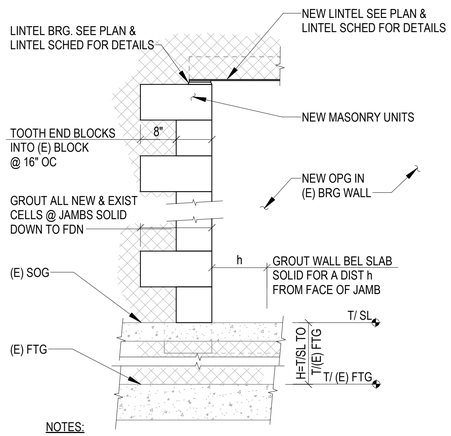
NOTES:
1. WORK THESE DRAWINGS WITH THE UNDERPINNING NOTES ON THE GENERAL NOTES SHEET.
2. UNDERPINNING & SEQUENCING OF CONSTRUCTION OF THE REQUIRED UNDERPINNING ARE DELEGATED FOR DESIGN BY SPECIALITY ENGINEER ENGAGED BY CONTRACTOR.

LEGEND
- (E) SOIL
- (E) MASONRY
- CONCRETE UNDERPINNING

E S3.0 PLAN DETAIL - TYPICAL COMPLETED U-P SHAFTS @ MAS FDN WALL (DELEGATED DESIGN)
NTS



F S3.0 SECTION - TYPICAL COMPLETED U-P SHAFT @ MAS FDN WALL (DELEGATED DESIGN)
NTS



NOTES:
1. SHORE ALL SLABS, JOISTS AND BEAMS THAT BEAR ON WALL BEFORE MAKING NEW OPENINGS.
2. NEEDLE AND SHORE WALL AS NECESSARY DURING LINTEL INSTALLATION.
3. WHERE ADJACENT OPENINGS WOULD LEAVE A CENTER PIER OF 32" OR LESS, REBUILD PIER, REINFORCE WITH 1 #4 IN EACH CELL AND GROUT SOLID.

G S3.0 DETAIL - TYPICAL DETAIL @ JAMB OF NEW OPENINGS IN MASONRY BRG WALLS
NTS

PLAN EXAMINER STAMP AREA:

REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS
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DRAWING TITLE
TYPICAL DETAILS

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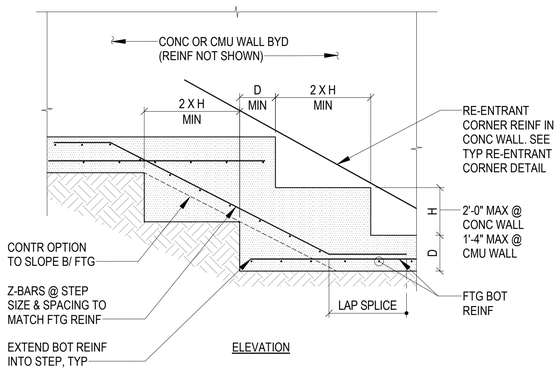
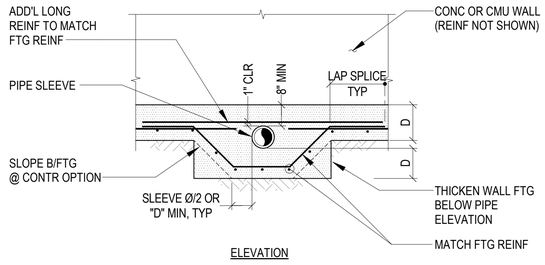


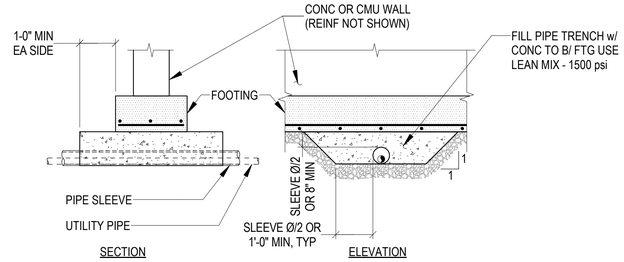
ELEVATION

NOTE: WALL DOWELS INTO FTG NOT SHOWN.



ELEVATION

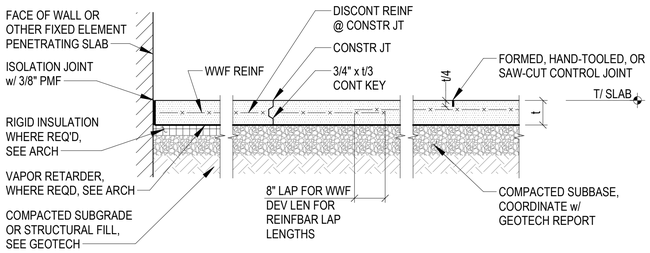
NOTES:
1. FOR USE WHERE T/ UTILITY IS LOCATED LESS THAN 0'-8" FROM B/FTG. FTG MAY BE STEPPED PER TYPICAL STEPPED WALL FTG @ CONTR OPTION.
2. DETAIL ONLY APPLIES AT WALL FTGS, DOES NOT APPLY AT COLUMN FTGS.
3. SEE TYPICAL STEPPED WALL FTG DETAIL FOR ADDITIONAL INFO.
4. WALL DWLS INTO FTG NOT SHOWN.



SECTION ELEVATION

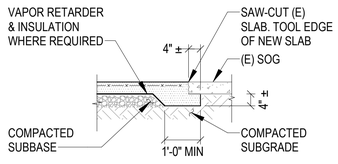
NOTES:
1. FOR USE WHERE T/UTILITY IS LOCATED 0'-8" TO 4'-0" BELOW B/ FTGS. LEAN CONCRETE NOT RE'D FOR T/ UTILITY DEPTHS GREATER THAN 4'-0 BELOW B/ FTG. STEP FTG WHERE T/ UTILITY IS LESS THAN 0'-8" BELOW B/ FTG .
2. DETAIL ONLY APPLIES TO WALL FTGS. DOES NOT APPLY TO COLUMN FOOTINGS.
3. WALL DWLS INTO FTG NOT SHOWN.

A S3.1 DETAIL - TYPICAL WALL FOOTING STEP
NTS

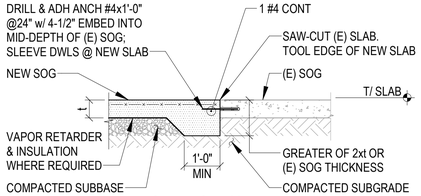


NOTES:
1. LOCATE CONSTR OR CTRL JTS ON ALL COL GRIDLINES AND SUBDIVIDE AS REQD TO LIMIT JT SPA TO A MAX OF 36xt INCHES. AT TILE FLOORING OR EPOXY TERRAZZO, COORD SLAB CTRL JT LOCNS WITH TILE JOINTS. COORD WITH ARCH DWGS.
2. LOCATE JTS IN A PATTERN THAT SUB-DIVIDES SLAB INTO PANELS THAT HAVE AN ASPECT RATIO BETWEEN 1.0 AND 1.5.
3. PROV JTS AT ALL SLAB RE-ENTRANT CORNERS OR PROVIDE ADDL REINF PER TYP DET.
4. SUBMIT PROPOSED JT LAYOUT FOR REVIEW.
5. REFER TO SPECS AND ARCH DWGS FOR JT SEALANT REQUIREMENTS.
6. WWF REINFORCEMENT SHOWN, REINFORCING BARS SIMILAR.

B S3.1 DETAIL - TYPICAL THICKENED WALL FTG @ UTILITY
NTS

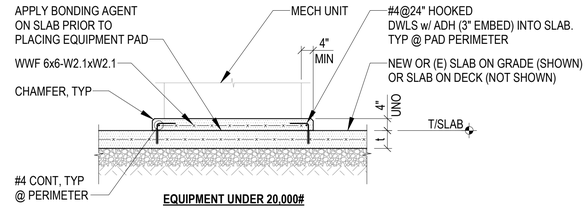


(E) SLAB THICKNESS 4" OR LESS



(E) SLAB THICKNESS > 4"

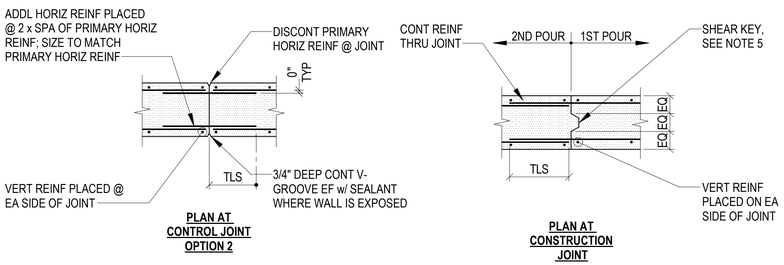
C S3.1 DETAIL - TYPICAL UTILITY BELOW WALL FOOTING
NTS



EQUIPMENT UNDER 20,000#

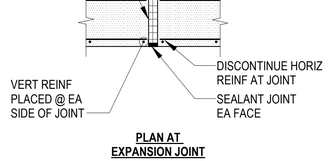
NOTES:
1. COORDINATE LOCATION AND DIMENSIONS w/ MECHANICAL & ELECTRICAL DWGS.
2. SEE TYPICAL SLAB ON GRADE CONSTRUCTION DETAIL FOR INFO NOT SHOWN.

D S3.1 DETAIL - TYPICAL SLAB ON GRADE CONSTRUCTION
NTS



PLAN AT CONTROL JOINT OPTION 2

PLAN AT CONSTRUCTION JOINT



PLAN AT EXPANSION JOINT

NOTES:
1. CONTROL JOINTS ARE NOT PERMITTED IN SHEAR WALLS.
2. PROVIDE CTRL JTS AT 25'-0" MAX SPACING. CONSTR JOINTS SHALL OCCUR AT 50'-0" MAX SPACING. COORD CTRL JT LOCNS WITH ARCH.
3. LOCATE FIRST JOINT AT 15'-0" MAX FROM CORNER.
4. SUBMIT JOINT LOCATIONS TO ARCHITECT AND ENGINEER FOR REVIEW.
5. ROUGHENED JOINT (i.e. STAY-FORM) IN LIEU OF SHEAR KEY AT CONTR's OPTION.
6. PROVIDE WATERSTOPS AT JOINTS WHERE REQUIRED. COORDINATE WITH THE ARCHITECT.
7. TWO CURTAINS OF REINFORCEMENT SHOWN; SINGLE CURTAIN IS SIMILAR.

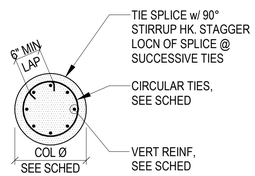
E S3.1 DETAIL - TYPICAL CONSTR JT BTWN NEW & EXIST SOG
NTS

F S3.1 DETAIL - TYPICAL INTERIOR EQUIPMENT PAD
NTS

G S3.1 DETAIL - TYPICAL VERTICAL CONSTRUCTION OR CONTROL JOINT IN WALL
NTS

COLUMN TIES	
SIZE OF VERT REINF	SIZE & SPACING OF TIES
#5	#3@10"
#6	#3@12"
#7	#3@12"
#8	#3@12"
#9	#4@12"
#10	#4@12"
#11	#4@12"

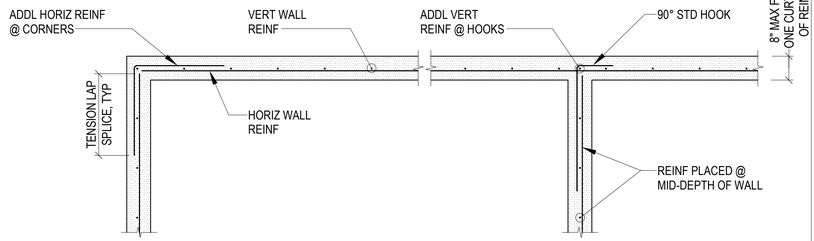
NOTES:
1. TIE SPACING SHALL NOT EXCEED SMALLEST DIMENSION OF THE COLUMN.
2. SEE COLUMN SCHEDULE FOR COLUMN DIMENSIONS & VERT REINFORCEMENT.



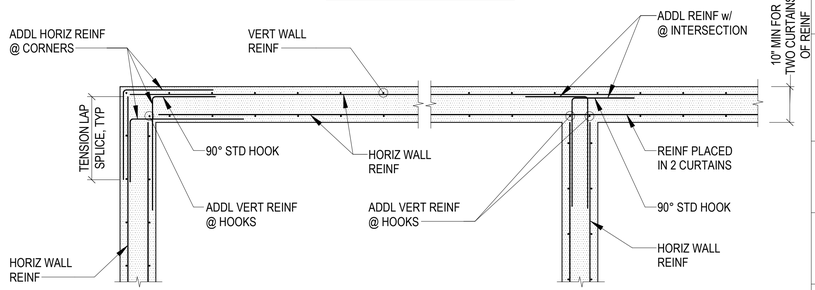
CIRCULAR COL

PLAN EXAMINER STAMP AREA:

H S3.1 DETAIL - TYPICAL CONCRETE SONOTUBE FOOTING REINF
NTS



PLAN - WALLS LESS THAN 10" THICK



PLAN - WALLS 10" THICK OR GREATER

NOTE:
1. ADDITIONAL REINF SHOWN TO MATCH SIZE & SPACING OF WALL REINF.

I S3.1 DETAIL - TYPICAL REINFORCEMENT IN CONCRETE WALLS
NTS

REVISIONS

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SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — DENISE L RICHARDS — ENGINEER PE073244 — 04/07/2026

DENISE L. RICHARDS
PE#073244

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
TYPICAL DETAILS

PROJECT NO. (CITY | K&H) 52025-E-06-01 | 240239A.01	DRAWING NO. S3.1
DATE 04/09/2026	
SCALE AS NOTED	
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CHECKED BY AC, DR	FILE:

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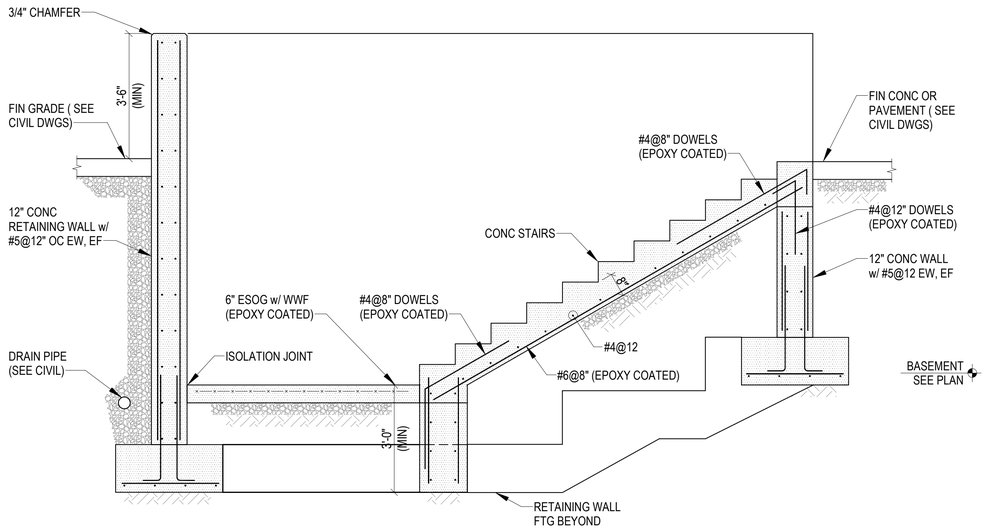
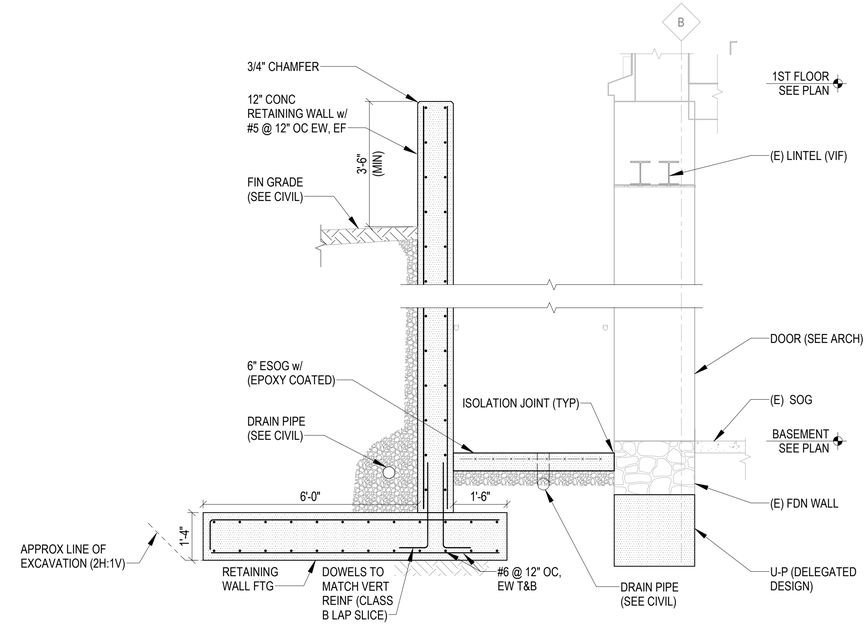


1 S3.2 SECTION

2' 0 2' 4'

SCALE AT FULL SIZE 1/2" = 1'-0"



2 S3.2 RETAINING WALL SECTION

1' 0 1' 2' 3'

SCALE AT FULL SIZE 1/2" = 1'-0"

3 S3.2 RAMP SECTION

1' 0 1' 2' 3'

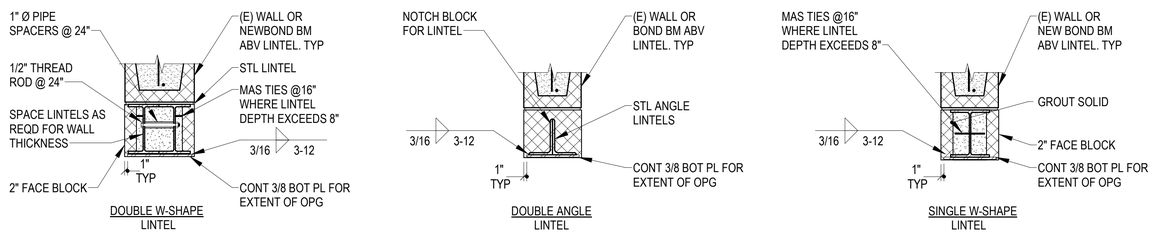
SCALE AT FULL SIZE 1/2" = 1'-0"

4 S3.2 ELEVATION

2' 0 2' 4'

SCALE AT FULL SIZE 1/4" = 1'-0"

PLAN EXAMINER STAMP AREA:



A S3.2 DETAIL - TYPICAL STEEL LINTELS

NTS

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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — DENISE L RICHARDS — ENGINEER PE073244 — 03/13/2026

DENISE L. RICHARDS
PE#073244

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

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1515 ARCH STREET
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PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

SECTIONS

PROJECT NO. (CITY | KAH) 52025-E-06-01 | 240239A.01	DRAWING NO. S3.2
DATE 04/09/2026	
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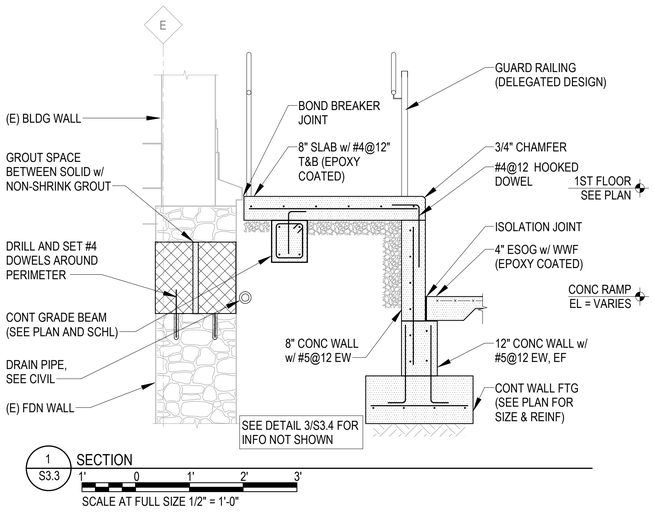
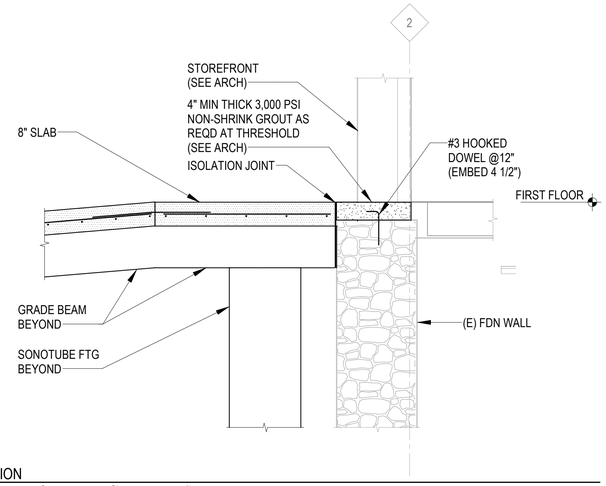


1 S3.3 SECTION

1' 0 1' 2' 3'

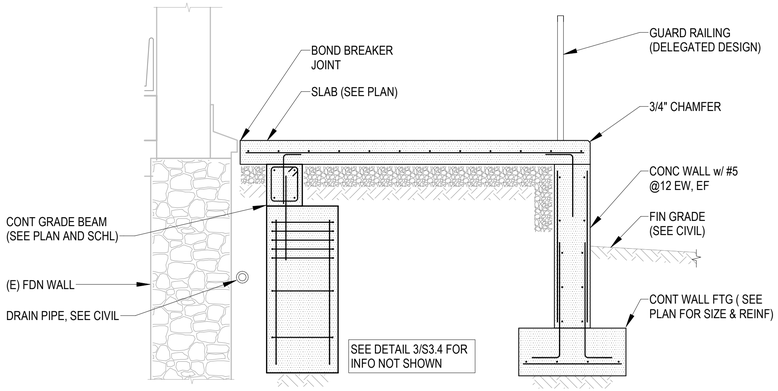
SCALE AT FULL SIZE 1/2" = 1'-0"



2 S3.3 SECTION

2' 0 2' 4'

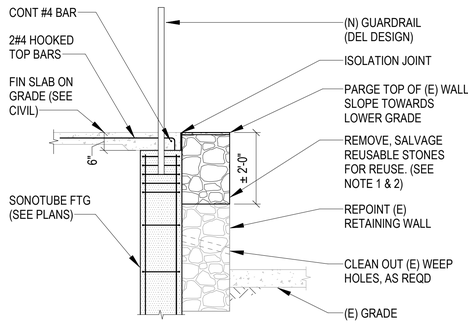
SCALE AT FULL SIZE 1/2" = 1'-0"



3 S3.3 SECTION

2' 0 2' 4'

SCALE AT FULL SIZE 1/2" = 1'-0"



4 S3.3 SITE RETAINING WALL SECTION

2' 0 2' 4'

SCALE AT FULL SIZE 1/2" = 1'-0"

NOTES:

1. STONE SHALL MATCH VARIETY, COLOR, TEXTURE, SIZE, SHAPE AND SHOULD BE DRESSED TO MATCH THE EXISTING SURFACE PROFILE.
2. MORTAR TO MATCH EXISTING IN COLOR, HARDNESS, AND TEXTURE. PROVIDE MOCK-UPS OF POINTING FOR ARCH TO REVIEW.

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

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SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — DENISE L RICHARDS — ENGINEER PE073244 — 03/13/2026

DENISE L. RICHARDS
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PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

SECTIONS

PROJECT NO. (CITY | K&H) 52025-E-06-01 | 240239A.01	DRAWING NO. S3.3
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY MV, SA, DL	
CHECKED BY AC, DR	FILE

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

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GENERAL NOTES:

1. ALL SYMBOLS AND ABBREVIATIONS MAY NOT APPLY TO THIS PROJECT.
2. BOUNDARY LINES SHOWN ON THE DRAWINGS DO NOT LIMIT THE SCOPE OF WORK FOR THE PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NOTED ON THE DRAWINGS.
3. CONTRACTOR SHALL COMPLY WITH ALL REGULATIONS AND LAWS OF AUTHORITIES HAVING JURISDICTION.
4. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD LOCATE AND IDENTIFY ALL UNDERGROUND UTILITIES WITHIN THE CONSTRUCTION AREA, WHETHER INDICATED ON DRAWINGS OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO UNDERGROUND UTILITIES DAMAGED DURING CONSTRUCTION. NO REIMBURSEMENT WILL BE ALLOWED FOR UTILITY REPAIR/OR REPLACEMENT.
5. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ENGINEER AT ONCE OF ANY DISCREPANCIES.
6. ALL PENETRATIONS THROUGH DESIGNATED FIRE RATED WALLS, CEILINGS AND FLOOR SLABS (WHICH ARE 2-HOUR RATED) SHALL BE PROPERLY SEALED WITH AN APPROVED RATED FIRE AND SMOKE STOPPING MATERIAL. ALL FIRE AND SMOKE STOPPING MATERIAL SHALL BE SUPPLIED AND WORK PERFORMED AS PER PROJECT SPECIFICATIONS. CONTRACTOR SHALL SUBMIT MANUFACTURER'S CATALOG DATA AND INSTALLATION DETAIL AS PER SPECIFICATIONS FOR FIRE AND SMOKE STOPPING TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR INSTALLATION.
7. THE CONTRACTOR SHALL NOT BE ALLOWED ANY STORAGE AREA OTHER THAN THAT AVAILABLE WITHIN THE LIMITS OF THE STAGING AREA, CONFINES OF THE WORK AREA, OR AS DESIGNATED BY THE OWNER.
8. ALL WORK AND MATERIALS SHALL COMPLY WITH APPLICABLE CODES, ORDINANCES AND REGULATIONS.
9. A COPY OF THE CURRENT SET OF CONTRACT DOCUMENTS (WITH AS-BUILT INFORMATION) SHALL BE KEPT AT THE JOB SITE AT ALL TIMES BY THE CONTRACTOR.
10. EACH CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS OF ALL TRADES FOR A THOROUGH UNDERSTANDING OF PROJECT AND ANY CROSS REFERENCING OF WORK. REVIEW ALL PROJECT REQUIREMENTS PRIOR TO BIDDING. IN CASE OF DISCREPANCIES, THE MOST STRINGENT SHALL GOVERN.
11. THE CONTRACTOR SHALL GUARANTEE THE ENTIRE INSTALLATION FOR A PERIOD OF ONE YEAR (EXCEPT WHERE EXTENSIONS OF THIS ONE YEAR PERIOD ARE NOTED) FROM THE DATE OF ACCEPTANCE OF THE SYSTEM AS A WHOLE. ANY DEFECTS, IN WORKMANSHIP, MATERIALS, MALFUNCTION OF EQUIPMENT OR UNSATISFACTORY PERFORMANCE, AND ALL OTHER WORK OR PARTS OF THE BUILDING DAMAGED THEREBY, AS A RESULT OF THE WORK OF THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PAY ALL REPAIR COSTS ACCORDINGLY WITHOUT ADDITIONAL COSTS TO OWNER.
12. IN ADDITION TO SPECIFICATIONS, AS MAY BE DEFINED HEREAFTER, THE CONTRACTOR SHALL PROTECT THE WORK SITE AND ALL HIS OR HER WORK AGAINST ANY DAMAGE (INCLUDING BUT NOT LIMITED TO WATER, DUST, HEAT, FREEZING, ETC.) UNTIL FINAL COMPLETION AND ACCEPTANCE BY THE OWNER.
13. CONTRACTOR SHALL, UPON COMPLETION OF THE WORK, SUBMIT AS-BUILT RECORD DRAWINGS SHOWING ALL CHANGES FROM THE CONTRACT DRAWINGS MADE IN THE INSTALLATION, AND SHOWING DIMENSION LOCATIONS OF CONCEALED EQUIPMENT.
14. PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE, THE CONTRACTOR SHALL PROVIDE MATERIAL SAFETY DATA SHEETS FOR ALL ITEMS AND MATERIALS USED IN THIS WORK.
15. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL CAPACITIES AND LOCATIONS OF EQUIPMENT TO BE REMOVED. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE TO DETERMINE ACTUAL PHYSICAL SIZE, CAPACITIES, AND LOCATIONS OF EXISTING EQUIPMENT TO BE REMOVED.
16. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, COORDINATE ALL REQUIRED EQUIPMENT AND SYSTEMS SHUTDOWN WITH OWNER, AND PROVIDE OWNER TWO WEEKS NOTICE OF THE SAME.
17. COORDINATE DEMOLITION WORK WITH ALL OTHER TRADES. PHASE WORK IN CONJUNCTION WITH OTHER TRADE PHASING AND PHASING DRAWINGS.
18. CONTRACTOR SHALL FIELD VERIFY OTHER EQUIPMENT/UTILITIES NOT ASSOCIATED WITH THIS WORK BUT LYING WITHIN THE WORK AREA, AND WILL NOT DISTURB THOSE EQUIPMENT/UTILITIES. THOSE EQUIPMENT/UTILITIES SHALL BE PROTECTED SO THAT THE SERVICE IS NOT INTERRUPTED. CONTRACTOR SHALL REPAIR ANY DAMAGE DONE TO THE EQUIPMENT/UTILITIES IN PERFORMANCE OF THE WORK.
19. CONTRACTOR SHALL KEEP WORK AREA CLEAN, ORDERLY, AND WORKMAN LIKE, AND REMOVE ALL DEMOLISHED TRASH/ RUBBLE/CONSTRUCTION DEBRIS ON A DAILY BASIS FROM THE WORK AREA AND OFF OWNERS PROPERTY. ALL TRASH/RUBBLE/CONSTRUCTION DEBRIS DEEMED AS HAZARDOUS WASTE/MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH EPA OR ANY OTHER PERTINENT GOVERNING AGENCY AND DISPOSED OF ACCORDINGLY AT AN APPROVED HAZARDOUS WASTE DUMPSITE WITH ALL OF THE APPROVED/REQUIRED DOCUMENTATION.
20. COORDINATE AND PHASE WORK IN CONJUNCTION WITH OTHER TRADE PHASING AND PHASING DRAWINGS.
21. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL HIS EMPLOYEES WITH SAFE AND HEALTHY WORKING CONDITIONS AS PRESCRIBED IN THE "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION" OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION OF THE U.S. DEPARTMENT OF LABOR.
22. SECURE AND DELIVER TO THE OWNER'S REPRESENTATIVE ALL CERTIFICATES OF COMPLIANCE REQUIRED BY LOCAL AUTHORITIES.
23. CONTRACTOR SHALL VERIFY ALL EXISTING TO BE RELOCATED EQUIPMENT AND MATERIAL ARE STILL IN GOOD WORKING CONDITION AND USABLE PRIOR TO REINSTALLATION.

GENERAL MECHANICAL NOTES:

1. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES.
2. CONTRACTOR SHALL FURNISH AND COMPLETE ALL PIPING SYSTEMS TO ALL EQUIPMENT REQUIRING SUCH. VERIFY ALL ROUGH-IN LOCATIONS AND COORDINATE PIPING LOCATIONS WITH WORK UNDER OTHER DISCIPLINES AND DIVISIONS OF THE SPECIFICATIONS TO AVOID CONFLICTS.
3. CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE HVAC DUCT SYSTEM TO ALL DIFFUSERS AND/OR EQUIPMENT REQUIRING SUCH. VERIFY ALL ROUGH-IN LOCATIONS AND COORDINATE HVAC LOCATIONS WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID CONFLICTS.
4. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, INSPECTION CERTIFICATES, ETC. REQUIRED UNDER THE PROJECT SCOPE.
5. CONTRACTOR SHALL FIELD VERIFY CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION, AND NOTIFY ENGINEERS OF ANY DISCREPANCIES BETWEEN THE PLAN AND CONDITIONS AND/OR POTENTIAL PROBLEMS OBSERVED PRIOR TO CONTINUING WORK.
6. DO NOT SCALE THE PLANS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALL DIMENSIONS, ETC.
7. CONTRACTOR WILL GIVE SUITABLE NOTICE TO ALL APPLICABLE UTILITY COMPANIES AND OWNER PRIOR TO PERFORMING WORK INVOLVING UTILITIES.
8. ALL EQUIPMENT SHALL BE HANDLED, STORED, AND PROTECTED TO PREVENT DAMAGE BEFORE AND DURING INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
9. ALL EQUIPMENT SHALL BE LOCATED AND INSTALLED IN A READILY ACCESSIBLE LOCATION SO AS TO PERMIT ACCESS FOR SERVICE WITHOUT DAMAGE TO BUILDING OR FINISHED MATERIALS, PER MANUFACTURER'S INSTRUCTIONS AND APPLICABLE CODES.
10. ALL MATERIALS SHALL BE NEW AND SHALL FIT THE SPACE AVAILABLE. VERIFY DIMENSIONS AT SITE.
11. ALL PIPING, APPARATUS, AND EQUIPMENT, ETC. SHALL BE PROPERLY SUPPORTED, BRACED VERTICALLY AND HORIZONTALLY IN ACCORDANCE WITH APPLICABLE CODES AND AS REQUIRED TO PREVENT EXCESSIVE MOVEMENT DURING SEISMIC CONDITIONS.
12. VALVES AND FITTINGS SHALL BE OF THE SAME SIZE AS THE PIPING FOR WHICH THEY ARE INSTALLED, UNLESS OTHERWISE NOTED.
13. CONTRACTOR SHALL VERIFY AND CORRECT SYSTEMS AS REQUIRED TO MEET ALL CODES AND REGULATIONS AND VERIFY AND CORRECT ANY/ALL POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTIONS SPECIFIED IN THE EQUIPMENT SCHEDULES AND EQUIPMENT ACTUALLY INSTALLED.
14. ALL PIPING SHALL BE ROUTED SO AS TO BE CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IS CHASES, EXCEPT FINAL CONNECTIONS, OR IN MECHANICAL ROOMS, UNLESS SPECIFICALLY NOTED OTHERWISE.
15. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF ALL EQUIPMENT SHOWN ON PLANS, INCLUDING COORDINATION OF ANY EQUIPMENT OF ALTERNATE MANUFACTURER. CONTRACTOR SHALL PROVIDE COMPOSITE DRAWINGS AS REQUIRED FOR INSTALLATION OF EQUIPMENT SHOWN ON PLAN FOR APPROVAL BY ENGINEER.
16. CONTRACTOR SHALL BECOME FAMILIAR WITH ALL CONDITIONS AFFECTING THIS PROJECT AND COORDINATE WITH ALL OTHER DISCIPLINES.
17. ALL EXISTING ABANDONED PIPING OR PIPING MADE ABANDONED BY THE WORK OF THIS PROJECT SHALL BE REMOVED FROM WITHIN THE PROJECT BOUNDARIES. CUT AND CAP PIPING BACK TO A POINT 6" BEYOND (OUTSIDE OF) THE PROJECT BOUNDARIES, UNLESS OTHERWISE NOTED ON THE DRAWINGS. PROVIDE CUTTING AND PATCHING OF ALL CEILINGS, FLOORS, AND WALLS AS REQUIRED.
18. PRIOR TO ACCEPTANCE OF THE SPACE, ALL SYSTEMS SHALL BE TESTED, BALANCED, AND OPERATED TO DEMONSTRATE TO THE OWNER , OR HIS OR HER DESIGNATED REPRESENTATIVE, THAT THE INSTALLATION AND PERFORMANCE OF THESE SYSTEMS AND/OR PARTS THEREOF CONFORM TO THE DESIGN INTENT.
19. JUNCTION BOXES OR ANY EQUIPMENT REQUIRING CEILING ACCESS SHALL ONLY BE PERMITTED/LOCATED IN ACCESSIBLE TYPE CEILING AREAS (I.E. LAY-IN TYPE CEILING) OR WHERE ACCESS PANELS HAVE BEEN LOCATED. REFER TO ARCHITECTURAL DRAWINGS.
20. CONTRACTOR SHALL INSTALL DUCTWORK SYSTEMS PER LATEST SMACNA MANUALS. DUCT WORK SYSTEMS SHALL BE GALVANIZED G90 SHELL STEEL RATED FOR A PRESSURE CLASS OF 2" WG.
21. THE USE OF NEW EQUIPMENT TO PROVIDE TEMPORARY HEATING AND COOLING TO CONSTRUCTION AREAS IS TO BE MINIMIZED. WHEN NEW EQUIPMENT HAS TO BE USED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THE EQUIPMENT WHILE IN OPERATION AND JUST BEFORE IT IS TURNED OVER THE OWNER. UNDER NO CIRCUMSTANCES SHALL THE WARRANTY PERIODS PROVIDED FOR IN THE SPECIFICATIONS BE ABRIDGED BY THE TEMPORARY USE DURING CONSTRUCTION.
22. WATER PIPING SHALL NOT BE RUN IN AREAS SUBJECT TO FREEZING TEMPERATURES UNLESS OTHERWISE NOTED. WATER PIPING IN EXTERIOR WALLS SHALL BE RUN ON THE SIDE OF THE WALL INSULATION THAT BORDERS THE CONDITIONED SPACE.
23. PROVIDE DRAIN VALVES AT ALL LOW POINTS OF DOMESTIC WATER SYSTEMS FOR COMPLETE DRAINAGE AND INDICATE LOCATION OF SAME ON RECORD DRAWINGS.
24. CONTRACTOR SHALL REPAIR/PATCH ALL SURFACES/WALLS DAMAGED BY CONSTRUCTION.
25. ALL EXISTING TO REMAIN DUCTWORK SHALL BE CLEANED. REFER TO SPECIFICATION SECTION 230130.51 FOR AIR-DICTRIBUTION SYSTEM CLEANING. ALL EXISTING TO REMAIN SUPPLY AIR DUCTWORK SHALL BE REINSULATED.
26. ALL NEW SUPPLY AIR DUCTWORK AND OUTSIDE AIR DUCTWORK SHALL BE INTERNALLY INSULATED WITH 2" INSULATION. DUCT SIZES NOTED ON PLAN REFER TO THE INSIDE, CLEAR DIMENSION OF THE DUCT. ALL EXPOSED DUCTWORK SHALL BE PAINTED TO MATCH THE CEILING COLOR.

PLAN EXAMINER STAMP AREA:

ABBREVIATIONS:

ABV	ABOVE
AC	AIR CONDITIONING UNIT
ACH	AIR CHANGES PER HOUR
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AP	ACCESS PANEL
BAS	BUILDING AUTOMATION SYSTEM
BD	BALANCING (VOLUME) DAMPER
BDD	BACKDRAFT DAMPER
BFF	BELOW FINISHED FLOOR
BLW	BELOW
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BTUH	BRITISH THERMAL UNITS PER HOUR
CL	CENTERLINE
CLG	COOLING
CM	CONSTRUCTION MANAGER
CNTRL	CONTROL
COND	CONDENSATE
CONT	CONTINUED
CP	CONDENSATE PUMP
CU FT	CUBIC FEET
CUH	CABINET UNIT HEATER
CV	CONSTANT VOLUME
DB	DRY BULB TEMPERATURE
DBA	DECIBEL A-WEIGHTED
DB	DECIBEL
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DWG	DRAWING
(E)	EXISTING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EDB	ENTERING DRY BULB TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFT	THERMAL EFFECTIVENESS
EG	EXHAUST GRILLE
EL	ELEVATION
ELEC	ELECTRIC
EQUIP	EQUIPMENT
ER	EXHAUST REGISTER
ERV	ENERGY RECOVERY VENTILATOR
EST	ESTIMATED
EUH	ELECTRIC UNIT HEATER
EWB	ENTERING WET BULB TEMPERATURE
EXT	EXTERNAL
F	DEGREES FAHRENHEIT
FD	FIRE DAMPER
FIXT	FIXTURE (WC OR UR)
FLR	FLOOR
FPB	FAN POWERED VAV TERMINAL
FPM	FEET PER MINUTE
FT	FEET
GPH	GALLONS PER HOUR
GS	GALVANIZED STEEL
HP	HORSEPOWER
HTG	HEATING
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
IMC	INTERNATIONAL MECHANICAL CODE
IN	INCH
IN WG	INCHES WATER GAGE
INV EL	INVERT ELEVATION
J	PIPE JOINT
JAN	JANITOR
KW	KILOWATTS
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LIQ	LIQUID
LRA	LOCKED ROTOR AMPS
LV	LOUVER
LWB	LEAVING WET BULB TEMPERATURE
MAINT.	MAINTENANCE
MBH	BTU-H IN 1000'S
MCA	MAXIMUM CIRCUIT AMPACITY
MER	MECHANICAL EQUIPMENT ROOM
MFS	MAXIMUM FUSE SIZE
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NUMB	NUMBER
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
OED	OPEN END DUCT
P	PIPE
PC	PUMPED CONDENSATE
PHC	PREHEAT COIL
PLUMB	PLUMBING
(R)	REMOVE EXISTING
RCP	REFLECTED CEILING PLAN
REF	REFERENCE / REFRIGERANT
REQD	REQUIRED
RFS	RECOMMENDED FUSE SIZE
RG	RETURN GRILLE
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SCH	SCHEDULE
SD	DUCT SMOKE DETECTOR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SENS	SENSIBLE
SF	SQUARE FEET
SG	SUPPLY GRILLE
SMACNA	SHEET METAL & AIR-CONDITIONING CONTRACTOR NATIONAL ASSOCIATION
SPECS	SPECIFICATIONS
SR	SUPPLY REGISTER
STA	STATION
STD	STANDARD
SUC	SUCTION
TD	TRANSFER DUCT
TDH	TOTAL DYNAMIC HEAD
TG	TRANSFER GRILLE
TOT	TOTAL
TYP	TYPICAL
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
VAV	VARIABLE AIR VOLUME
V/PH/HZ	VOLTS/PHASE/HERTZ
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCE DRIVE
VRF	VARIABLE REFRIGERANT VOLUME
W/	WITH
W/O	WITHOUT
WB	WET BULB TEMPERATURE
WC	WATER CLOSET
WMS	WIRE MESH SCREEN

APPLICABLE CODES:

1. 2018 INTERNATIONAL MECHANICAL CODE (2018 IMC)
2. NFPA-90A STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION SYSTEMS
3. NFPA-90B STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR-CONDITIONING SYSTEMS
4. 2018 INTERNATIONAL ENERGY CONSERVATION CODE (2018 IECC)
5. 2019 ASHRAE 15 APPENDUM P SAFETY STANDARD FOR REFRIGERATION SYSTEMS

DUCTWORK:

- SUPPLY DUCT TURNING UP (ROUND OR RECTANGULAR)
- SUPPLY DUCT TURNING DOWN (ROUND OR RECTANGULAR)
- RETURN DUCT TURNING UP
- RETURN DUCT TURNING DOWN
- EXHAUST DUCT TURNING UP
- EXHAUST DUCT TURNING DOWN
- CEILING RETURN, EXHAUST OR TRANSFER REGISTER
- CEILING SUPPLY DIFFUSER
- MITERED ELBOW WITH TURNING VANES
- 10"x10" SQUARE OR RECTANGULAR DUCTWORK
- FLEXIBLE DUCT CONNECTOR
- FLEXIBLE DUCT
- FIRE DAMPER
- SD SMOKE DETECTOR
- VD VOLUME BALANCING DAMPER
- M MOTORIZED DAMPER
- MANBARS OR SECURITY BARS
- ∅ INDICATES ROUND DUCTWORK (DIAMETER)
- RETURN, EXHAUST OR TRANSFER AIR FLOW
- SUPPLY AIR FLOW
- AIR FLOW DIRECTION ARROW
- TAG / NECK SIZE / CFM AIR TERMINAL TAG

CONTROLS:

- AFM AIR FLOW MONITORING STATION
- AI ANALOG INPUT (TO PANEL)
- AO ANALOG OUTPUT (OUT OF PANEL)
- DI DIGITAL INPUT (TO PANEL)
- DO DIGITAL OUTPUT (OUT OF PANEL)
- CONTROL WIRING (SIGNAL PATH)
- C CARBON DIOXIDE SENSOR
- DP DIFFERENTIAL PRESSURE SWITCH
- DP DIFFERENTIAL PRESSURE SENSOR
- SD DUCT SMOKE DETECTOR
- F FAN ON-OFF SWITCH
- FMS FLOW MEASURING STATION
- FS FIRESTAT
- FZ FREEZESTAT
- HL HIGH LIMIT TEMPERATURE SENSOR
- H HUMIDISTAT
- H HUMIDITY SENSOR
- I AIR ION CONCENTRATION SENSOR
- TCP LOCAL TEMPERATURE CONTROL PANEL
- LL LOW LIMIT TEMPERATURE SENSOR
- M MOTOR
- M MOTORIZED DAMPER
- MS MOTOR STARTER
- NC NORMALLY CLOSED
- NO NORMALLY OPENED
- P STATIC PRESSURE SENSOR
- STS STATIC TOTALIZER STATION
- S SWITCH
- T TEMPERATURE SENSOR
- TA AVERAGING THERMOSTAT
- TT TEMPERATURE TRANSMITTER
- T THERMOSTAT
- TH COMBINED THERMOSTAT AND HUMIDISTAT
- TC TIME CLOCK
- V-I VALVE IDENTIFICATION
- VFD VARIABLE FREQUENCY DRIVE

VALVES AND ACCESSORIES:

- AUTOMATIC AIR VENT
- AUTOMATIC FLOW CONTROL VALVE
- BALANCING VALVE WITH TEST PORTS
- BLIND FLANGE
- BOTTOM CONNECTION
- CAPPED PIPE
- CHECK VALVE
- CONCENTRIC REDUCER
- DIRECTION OF FLOW
- ECCENTRIC REDUCER
- FLANGED CONNECTION
- EXPANSION COMPENSATOR
- FLEXIBLE CONNECTION
- FLOW MEASURING DEVICE
- FLOW METER
- GLOBE VALVE
- MANUAL AIR VENT
- PRESSURE/TEMPERATURE TEST PLUG
- PIPE ANCHOR
- PIPE GUIDE
- PIPE HEAT TRACING ELEMENT
- PIPE SLEEVE
- PIPE TURNING UP
- PIPE TURNING DOWN
- PITCH
- PRESSURE REDUCING VALVE
- PRESSURE RELIEF VALVE
- PRESSURE GAUGE WITH GAUGE COCK
- SHUTOFF VALVE (SEE SPECIFICATIONS FOR TYPE)
- STEAM TRAP
- STRAINER
- STRAINER W/BLOW DOWN VALVE
- TWO WAY CONTROL VALVE
- THREE WAY CONTROL VALVE
- THERMOMETER
- THERMOSTATIC RADIATOR VALVE
- TOP CONNECTION
- UNION
- VACUUM BREAKER

PIPING SYMBOLS:

- HWS HEATING HOT WATER SUPPLY
- HWR HEATING HOT WATER RETURN

GENERAL SYMBOLS:

- ? / ? DETAIL # / SHEET # — DETAIL TAG
- ? / ? SECTION # / SHEET # — SECTION TAG
- ? / ? EQUIP TYPE / EQUIP # — EQUIPMENT TAG
- POINT OF CONNECTION
- POINT OF DISCONNECTION

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PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — ANASTACIA MICHIAN — ENGINEER — PE092368

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
MECHANICAL GENERAL NOTES, SYMBOLS & ABBREVIATIONS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. M0.0
DATE 04/09/2026	
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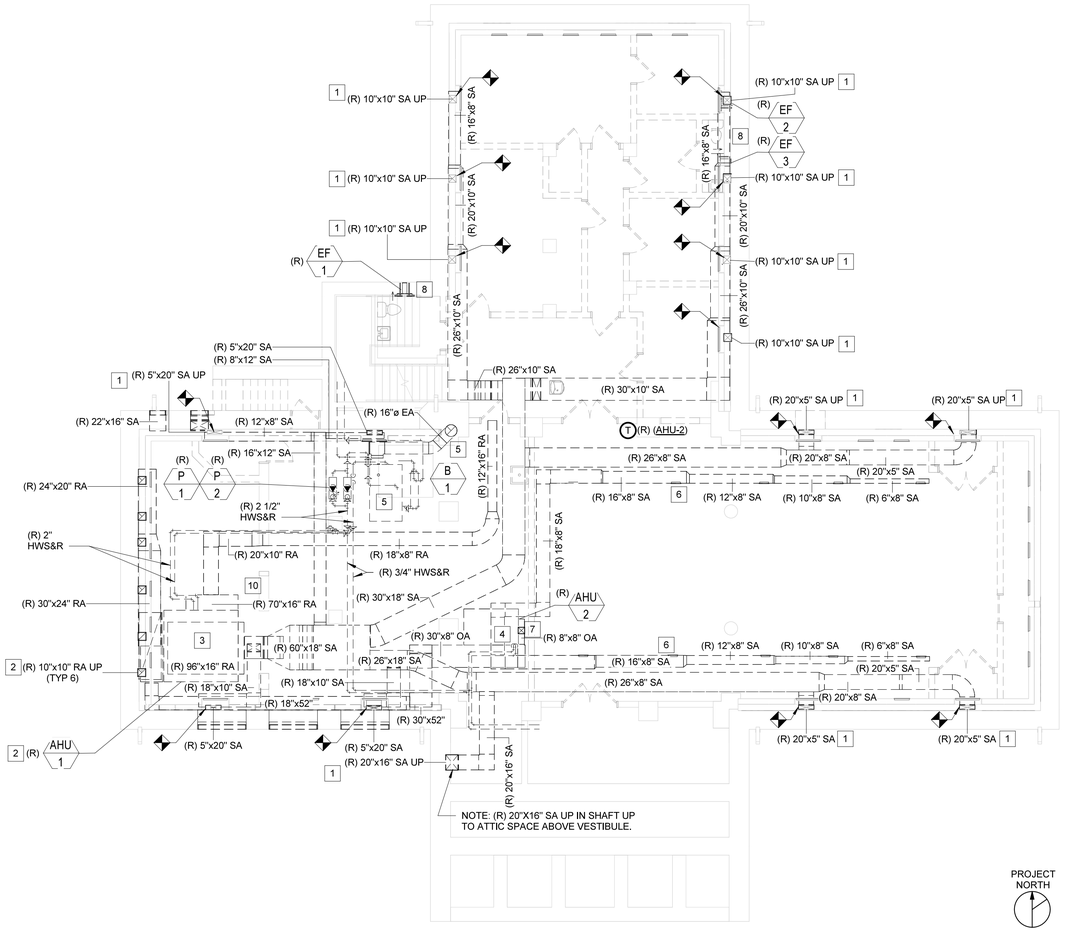
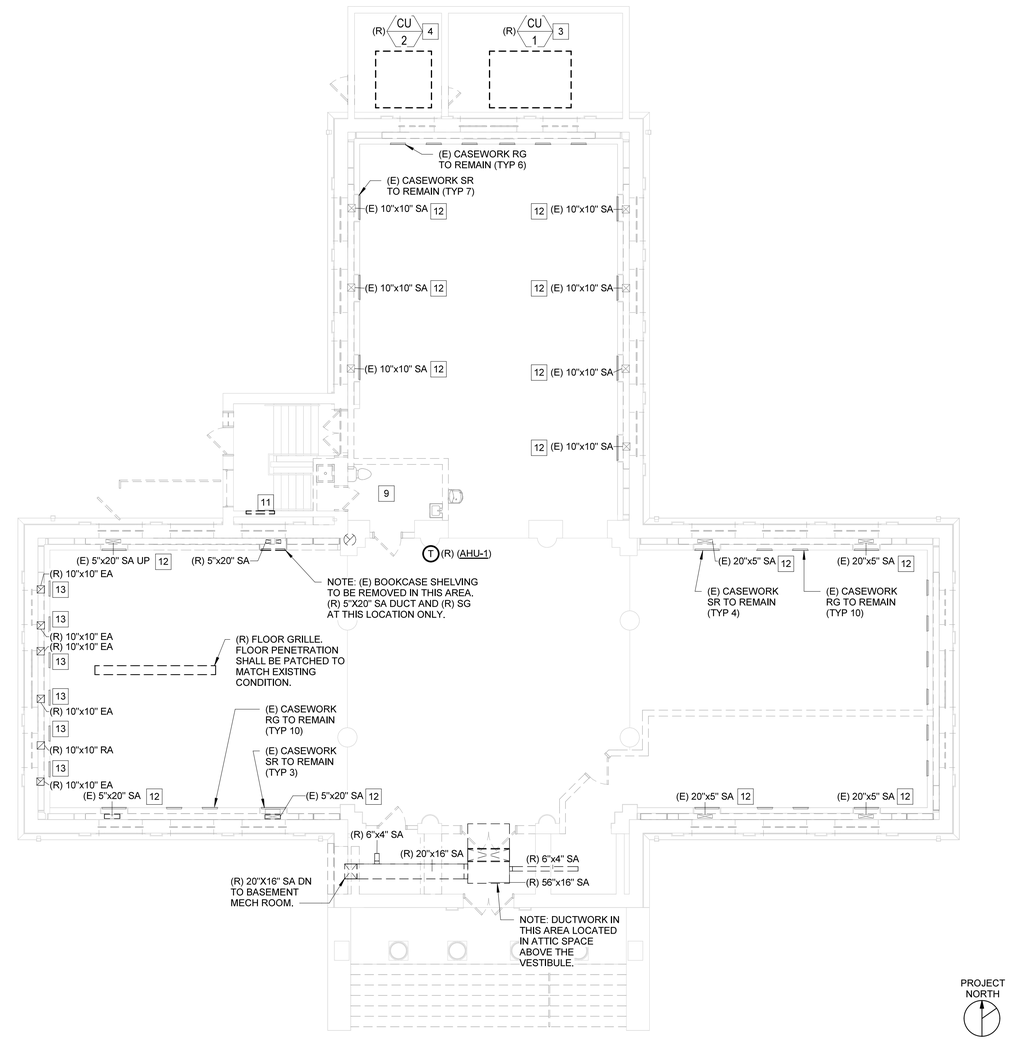


1 MD2.1 MECHANICAL DEMOLITION PLAN - LOWER LEVEL
1/8" = 1'-0"



2 MD2.1 MECHANICAL DEMOLITION PLAN - ENTRY LEVEL
1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. SEE SHEET M0.0 FOR MECHANICAL GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE SHEETS M4.0 AND M4.1 FOR MECHANICAL CONTROL DIAGRAMS.
3. SEE SHEETS M5.0, M5.1, AND M5.2 FOR MECHANICAL DETAILS.
4. SEE SHEETS M6.0 AND M6.1 FOR MECHANICAL SCHEDULES.

KEY NOTES:

1. REMOVE SUPPLY AIR DUCTWORK UP TO FIRE DAMPER WITHIN SLAB. REMOVE ALL ASSOCIATED DUCT HANGERS, SUPPORTS, AND ACCESSORIES INCLUDING THE FIRE DAMPER IN THE FLOOR SLAB. DUCTWORK ABOVE SLAB ON ENTRY LEVEL WITHIN BOOKCASE SHELVING ON SHALL REMAIN EXISTING.
2. REMOVE ENTIRETY OF RETURN AIR DUCTWORK UP TO BOTTOM OF BOOKCASE. REMOVE ALL ASSOCIATED DUCT HANGERS, SUPPORTS, AND ACCESSORIES INCLUDING THE FIRE DAMPER IN THE FLOOR SLAB.
3. REMOVE EXISTING AIR HANDLING UNIT SYSTEM AHU-1 IN ITS ENTIRETY. DISCONNECT FROM EXISTING ELECTRICAL SERVICE. REMOVE ALL ASSOCIATED CONTROLS AND ACCESSORIES INCLUDING THE THERMOSTAT. REMOVE CONDENSATE DRAIN PIPING. REMOVE ALL THE ASSOCIATED DUCTWORK TO POINTS INDICATED, SUPPLY GRILLES AND DIFFUSERS, ACCESSORIES, AND HANGERS AND SUPPORTS. REMOVE ALL REFRIGERANT, REFRIGERANT PIPING, HYDRONIC PIPING, PIPING ACCESSORIES, VALVES, AND PIPING HANGERS AND SUPPORTS. REMOVE ASSOCIATED OUTDOOR CONDENSING UNIT CU-1.
4. REMOVE EXISTING AIR HANDLING UNIT SYSTEM AHU-2 IN ITS ENTIRETY. DISCONNECT FROM EXISTING ELECTRICAL SERVICE. REMOVE ALL ASSOCIATED CONTROLS AND ACCESSORIES INCLUDING THE THERMOSTAT. REMOVE CONDENSATE DRAIN PIPING. REMOVE ALL THE ASSOCIATED DUCTWORK TO POINTS INDICATED, SUPPLY GRILLES AND DIFFUSERS, ACCESSORIES, AND HANGERS AND SUPPORTS. REMOVE ALL REFRIGERANT, REFRIGERANT PIPING, HYDRONIC PIPING, PIPING ACCESSORIES, VALVES, AND PIPING HANGERS AND SUPPORTS. REMOVE ASSOCIATED OUTDOOR CONDENSING UNIT CU-2.
5. REMOVE HYDRONIC HEATING SYSTEM IN ITS ENTIRETY. REMOVE GAS BOILER B-1 AND ALL ASSOCIATED GAS PIPING BACK TO GAS MAIN. REMOVE BOILER FLUE IN ITS ENTIRETY. REMOVE INLINE HYDRONIC HEATING PUMPS P-1 AND P-2 AND ALL ASSOCIATED VALVES, PIPING, AND ACCESSORIES. REMOVE AIR SEPARATOR AND EXPANSION TANK.
6. REMOVE SUPPLY AIR DUCTWORK FROM AHU-2 WITHIN THE EXISTING PLENUM BOX. REMOVE ALL SUPPLY AIR GRILLES, HANGERS, SUPPORTS, AND ACCESSORIES.
7. REMOVE RETURN AIR GRILLE AND RETURN AIR DUCTWORK FROM AHU-2.
8. REMOVE WALL MOUNTED EXHAUST FAN SERVING RESTROOM AND ALL ASSOCIATED CONTROLS.
9. REMOVE ROOF MOUNTED EXHAUST FAN SERVING FIRST LEVEL RESTROOM AND ALL ASSOCIATED EXHAUST AIR DUCTWORK, EXHAUST AIR GRILLE, AND CONTROLS.
10. REMOVE HORIZONTAL HYDRONIC UNIT HEATER AND ALL ASSOCIATED PIPING, PIPING ACCESSORIES, AND CONTROLS.
11. REMOVE HYDRONIC CABINET UNIT HEATER AND ALL ASSOCIATED PIPING, PIPING ACCESSORIES, AND CONTROLS.
12. SUPPLY AIR DUCTWORK UP THROUGH SLAB BEHIND THE EXISTING HISTORIC BOOKSHELVES AND SUPPLY GRILLE WITHIN SHELVING SHALL REMAIN EXISTING.
13. RETURN GRILLE WITHIN SHELVING SHALL REMAIN EXISTING.

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PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS
COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
ANASTACIA MICHIGAN
ENGINEER
PE092368

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
MECHANICAL DEMOLITION PLANS - LOWER AND ENTRY LEVEL

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. MD2.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JB	
CHECKED BY AM	

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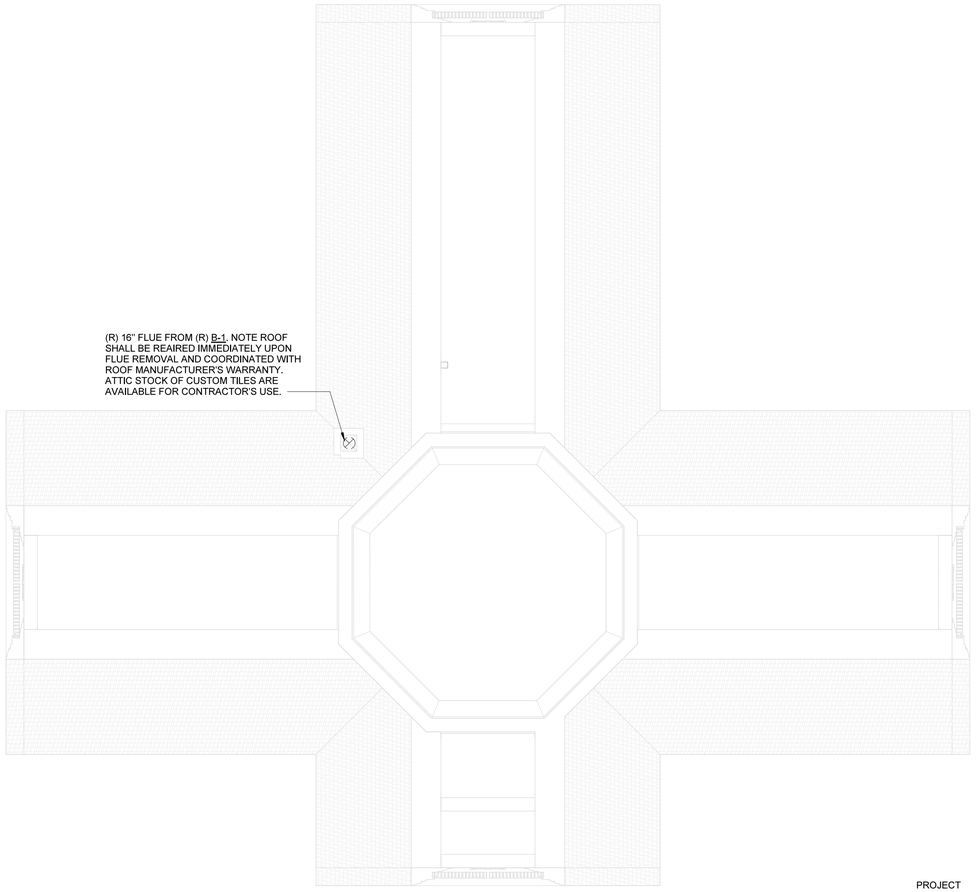

1 / MD2.2 MECHANICAL DEMOLITION PLAN - ROOF

1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. SEE SHEET M0.0 FOR MECHANICAL GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE SHEETS M4.0 AND M4.1 FOR MECHANICAL CONTROL DIAGRAMS.
3. SEE SHEETS M5.0, M5.1, AND M5.2 FOR MECHANICAL DETAILS.
4. SEE SHEETS M6.0 AND M6.1 FOR MECHANICAL SCHEDULES.

KEY NOTES:

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REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
ANASTACIA MICHIGAN
ENGINEER
PE092368

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

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1515 ARCH STREET
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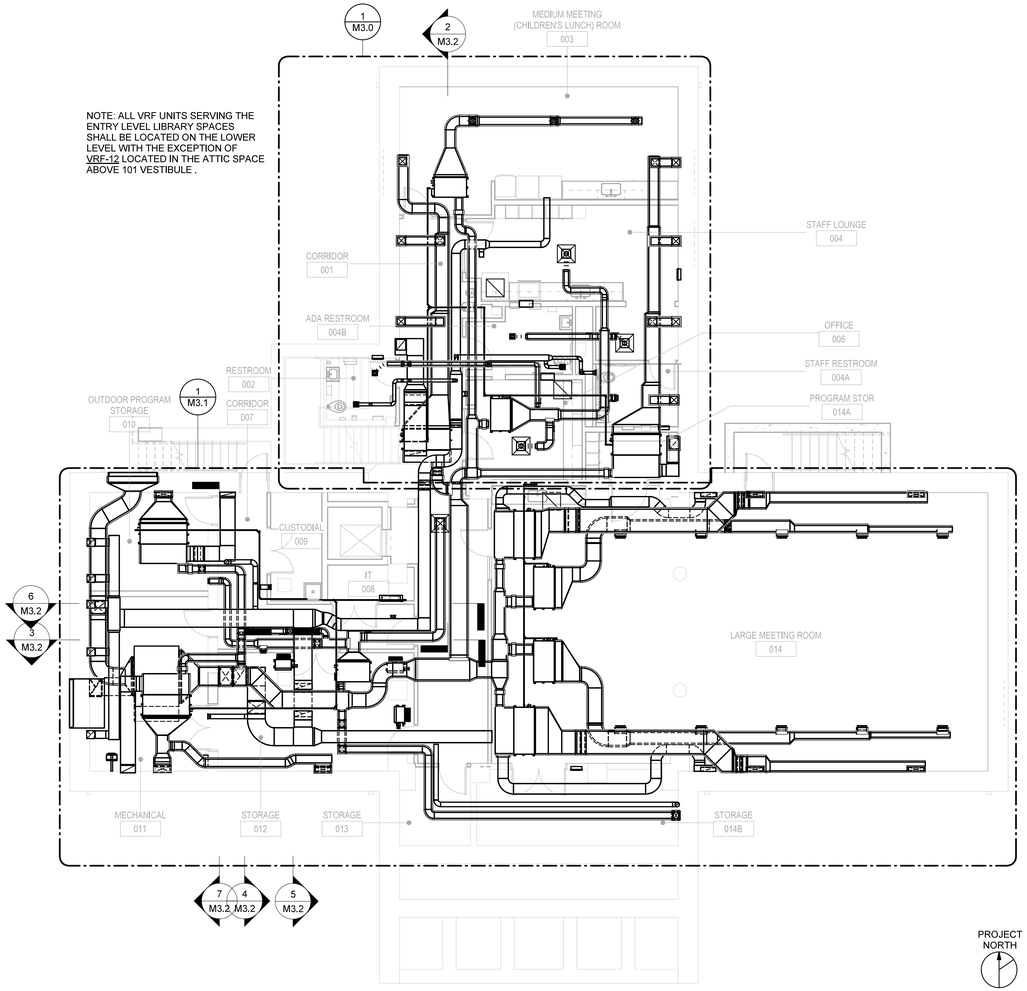
DRAWING TITLE

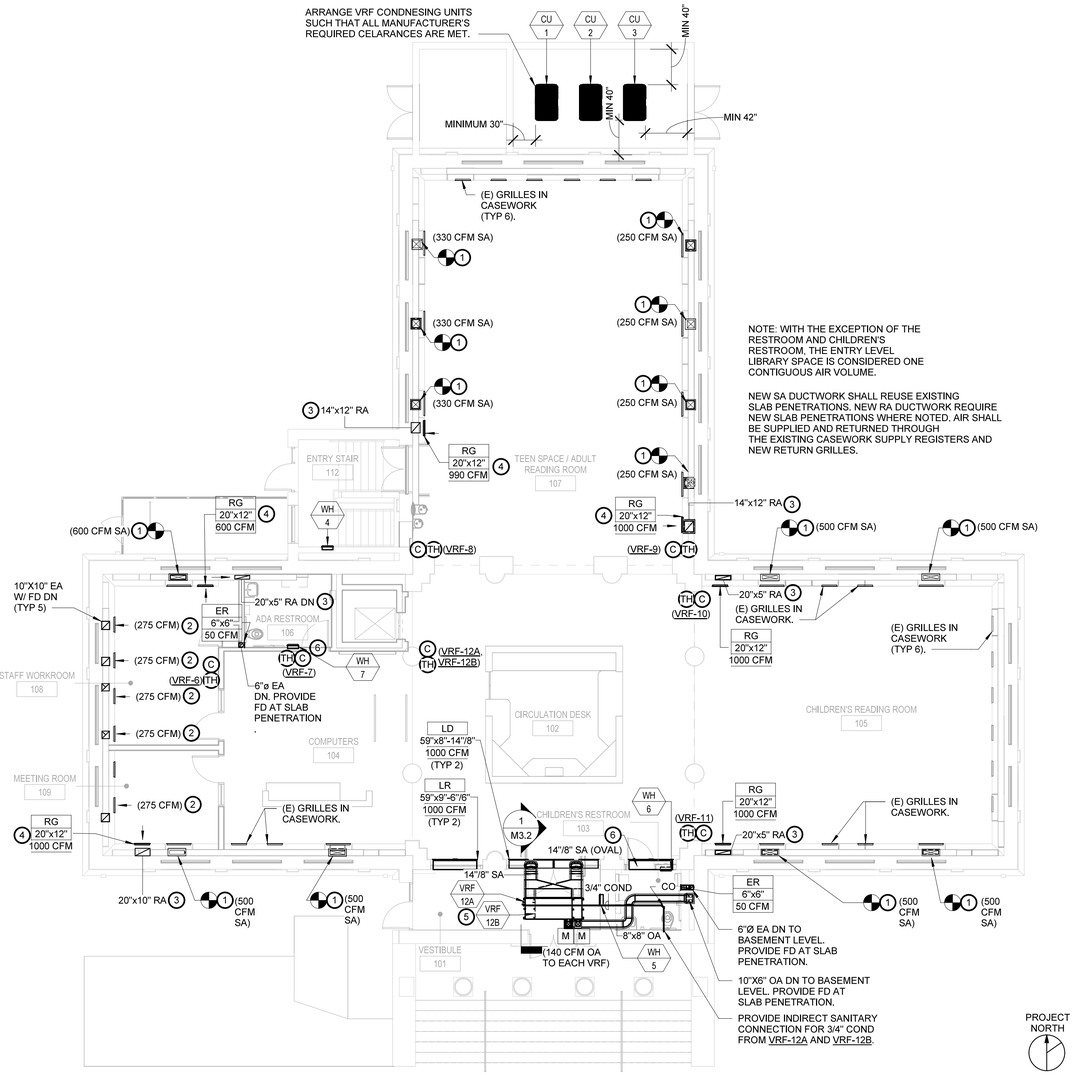
MECHANICAL DEMOLITION PLAN - ROOF

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10
DRAWING NO.: MD2.2
DATE: 04/09/2026
SCALE: AS NOTED
DRAWN BY: JB
CHECKED BY: AM

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



1 M2.1 MECHANICAL PLAN - LOWER LEVEL
1/8" = 1'-0"



2 M2.1 MECHANICAL PLAN - ENTRY LEVEL
1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. SEE SHEET M0.0 FOR MECHANICAL GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

2. SEE SHEETS M4.0 AND M4.1 FOR MECHANICAL CONTROL DIAGRAMS.

3. SEE SHEETS M5.0, M5.1, AND M5.2 FOR MECHANICAL DETAILS.

4. SEE SHEETS M6.0 AND M6.1 FOR MECHANICAL SCHEDULES.

5. SEE SHEET M3.0 AND M3.1 FOR ENLARGED BASEMENT LEVEL MECHANICAL PLANS.

6. PROVIDE ALL REQUIRED REFRIGERANT PIPING SIZED PER MANUFACTURER'S RECOMMENDATIONS. REFER TO SHEET M4.1 FOR ANTICIPATED REFRIGERANT PIPING LINE LENGTHS AND SIZES.

7. PER ASHRAE 15, PROVIDE REFRIGERANT MONITORING CONTROL SYSTEM FOR A2L REFRIGERANT SYSTEM. CONTROLS MAY BE INTEGRAL TO VRF SYSTEM.

8. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING DEVICE COORDINATION.

9. PROVIDE MOTORIZED DAMPER ON OUTDOOR AIR INLET DUCT TO VRF UNIT WHERE SHOWN ON PLAN SIZED TO MATCH THE DUCT SIZE. MOTORIZED DAMPERS SHALL BE 120 V. SEE CONTROL DIAGRAM FOR INFORMATION ON CO2 INTERFACE.

KEY NOTES: (#)

1. PROVIDE NEW SUPPLY AIR DUCT AND A NEW FIRE DAMPER WITHIN THE SLAB PENETRATION CONNECTION TO THE EXISTING SUPPLY AIR DUCTWORK WITHIN THE CASEWORK. EXISTING SUPPLY AIR DUCT BEHIND THE CASEWORK SHALL BE CLEANED, REINSULATED, AND PREPPED FOR RECONNECTION TO NEW SUPPLY AIR DUCTWORK FROM BELOW. CLEAN, REPAINT, AND REBALANCE EXISTING SUPPLY DIFFUSER TO THE VALUE NOTED ON THE PLAN.

2. PROVIDE NEW EXHAUST AIR DUCT AND A NEW FIRE DAMPER WITHIN THE SLAB PENETRATION CONNECTION TO THE BOTTOM OF THE EXISTING CASEWORK. EXISTING GRILLES IN THE BOTTOM OF THE CASEWORK WILL ACT AS AN AIR PATHWAY TO THE EXHAUST AIR OPENINGS. BALANCE NEW EXHAUST AIR DUCTWORK TO THE VALUE NOTED ON THE PLAN.

3. PROVIDE NEW SLAB PENETRATION AT LOCATION SHOWN FOR NEW RETURN AIR DUCTWORK AND FIRE DAMPER.

4. PROVIDE NEW 20"X12" RETURN AIR REGISTER IN THE BOTTOM PANEL OF THE EXISTING CASEWORK. INTENT IS TO RETURN AIR TO BASEMENT LEVEL VRF UNIT SERVING SPECIFIC ZONE.

5. LOCATE VRF-12A AND VRF-12B IN ATTIC SPACE ABOVE VESTIBULE. VRF-12A AND VRF-12B SHALL BE STACKED AND SUPPORTED WITH A UNISTRUT FRAMING SUPPORT SYSTEM. ATTIC SPACE SHALL BE ACCESSIBLE VIA A CEILING HATCH, REFER TO THE ARCHITECTURAL DRAWING SET FOR EXACT LOCATION AND DETAILS.

6. PROVIDE 12"X12" TRANSFER AIR GRILLE IN THE RESTROOM DOOR. SEE ARCHITECTURAL PLANS FOR MORE INFORMATION.

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REBUILD | CASSIE O'CONNELL

SEALS
COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — ANASTACIA MICHIGAN — ENGINEER PE092368

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
MECHANICAL PLANS - LOWER AND ENTRY LEVEL

PROJECT NO. (CSP) | (SMP) 52025-E-06-01 | 718.10	DRAWING NO. M2.1
DATE 04/09/2026	
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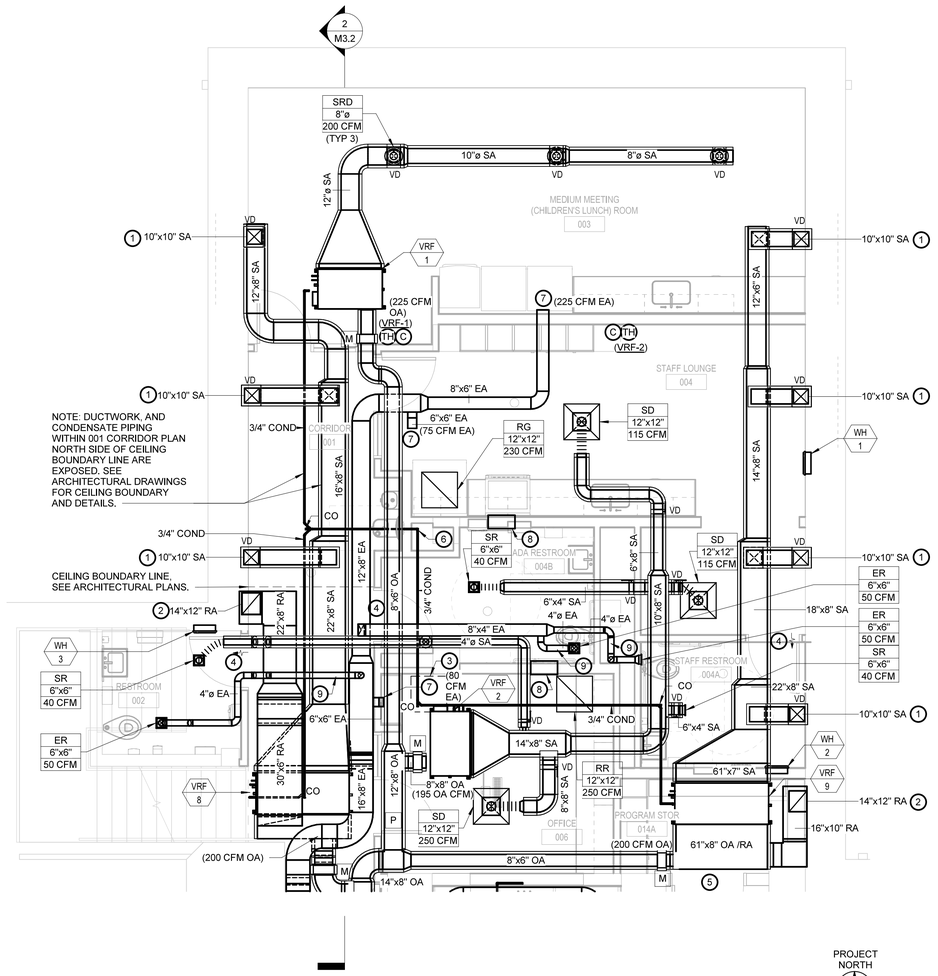

1 M3.0 MECHANICAL ENLARGED PLAN - LOWER LEVEL - 1
1/4" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. SEE SHEET M0.0 FOR MECHANICAL GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE SHEETS M4.0 AND M4.1 FOR MECHANICAL CONTROL DIAGRAMS.
3. SEE SHEETS M5.0, M5.1, AND M5.2 FOR MECHANICAL DETAILS.
4. SEE SHEETS M6.0 AND M6.1 FOR MECHANICAL SCHEDULES.
5. PROVIDE ALL REQUIRED REFRIGERANT PIPING SIZED PER MANUFACTURER'S RECOMMENDATIONS. REFER TO SHEET M4.1 FOR ANTICIPATED REFRIGERANT PIPING LINE LENGTHS AND SIZES.
6. PER ASHRAE 15, PROVIDE REFRIGERANT MONITORING CONTROL SYSTEM FOR A2L REFRIGERANT SYSTEM. CONTROLS MAY BE INTEGRAL TO VRF SYSTEM.
7. INSTALL VRF UNITS AND DUCTWORK TIGHT TO THE STRUCTURAL JOISTS. MAINTAIN A MINIMUM 1" GAP BETWEEN THE DUCTWORK AND THE JOISTS ABOVE.
8. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING DEVICE COORDINATION.

KEY NOTES: (#)

1. PROVIDE NEW SUPPLY AIR DUCTWORK WITH 2-HR FIRE DAMPER AT EXISTING SLAB PENETRATION. RECONNECT TO EXISTING SUPPLY AIR DUCTWORK ABOVE SLAB ON ENTRY LEVEL WITHIN THE CASEWORK. PROVIDE VOLUME DAMPER BELOW SLAB PENETRATION.
2. PROVIDE NEW RETURN AIR DUCTWORK WITH 2-HR FIRE DAMPER WITHIN NEW SLAB PENETRATION. RETURN AIR DUCTWORK SHALL RETURN AIR FROM THE BOTTOM OF THE EXISTING CASEWORK THROUGH A NEW RETURN AIR GRILLE.
3. PROVIDE 2'X2' ACCESS PANEL AT NOTED LOCATION IN HARD CEILING FOR ACCESS TO VRF UNIT. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
4. PROVIDE MINIMUM 18"X18" TRANSFER AIR GRILLE WITHIN THE DOOR TO PROVIDE A TRANSFER AIR PATH AND MAINTAIN ACCEPTABLE A2L REFRIGERANT ACCEPTABLE CONCENTRATION LIMIT.
5. PROVIDE A FULLY LOUVERED DOOR FOR 014A FURN STOR TO MAINTAIN ACCEPTABLE A2L REFRIGERANT CONCENTRATION LIMIT.
6. PROVIDE INDIRECT SANITARY CONNECTION FOR CONDENSATE PIPING TERMINATION AT ELECTRIC WATER COOLER.
7. OPEN ENDED EXHAUST AIR DUCT LOCATED ABOVE CEILING.
8. PROVIDE A MINIMUM 18"X6" TRANSFER OPENING IN THE WALL ABOVE THE CEILING.
9. PROVIDE SELF CONTINED VENTURI AIR VALVE AS MANUFACTURED BY ANTEC CONTROLS OR EQUIVALENT IN RESTROOM EA DUCT BALANCED TO MAINTAIN A CONSTANT EXHAUST AIRFLOW RATE OF 50 CFM.

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — ANASTACIA MICHIAN — ENGINEER PE092368

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
MECHANICAL ENLARGED PLANS 1

PROJECT NO. [CITY] [SMP]: 52025-E-06-01 | 718.10	DRAWING NO. M3.0
DATE: 04/09/2026	
SCALE: AS NOTED	
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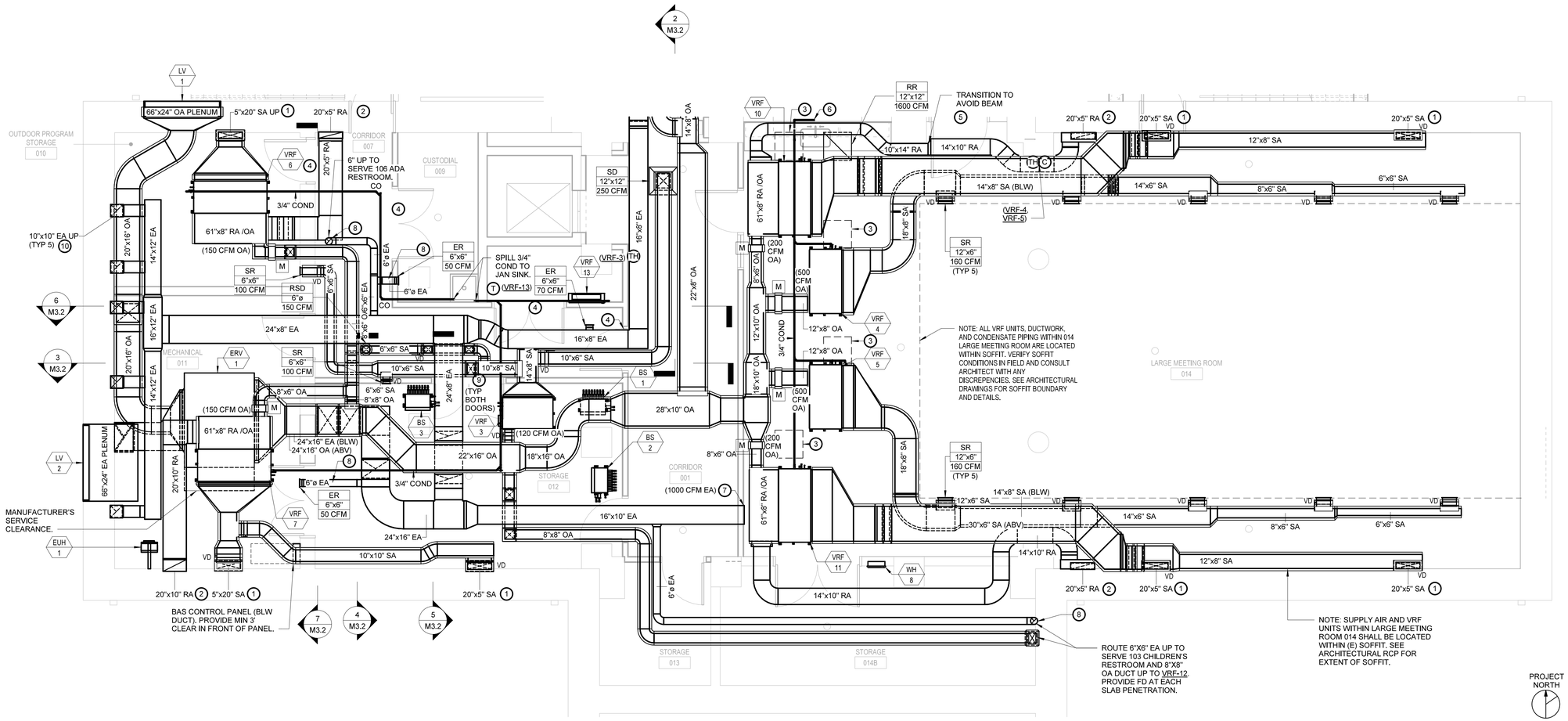

1 M3.1 MECHANICAL ENLARGED PLAN - LOWER LEVEL - 2
1/4" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. SEE SHEET M0.0 FOR MECHANICAL GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. SEE SHEETS M4.0 AND M4.1 FOR MECHANICAL CONTROL DIAGRAMS.
3. SEE SHEETS M5.0, M5.1, AND M5.2 FOR MECHANICAL DETAILS.
4. SEE SHEETS M6.0 AND M6.1 FOR MECHANICAL SCHEDULES.
5. PROVIDE ALL REQUIRED REFRIGERANT PIPING SIZED PER MANUFACTURER'S RECOMMENDATIONS. REFER TO SHEET M4.1 FOR ANTICIPATED REFRIGERANT PIPING LINE LENGTHS AND SIZES.
6. PER ASHRAE 15, PROVIDE REFRIGERANT MONITORING CONTROL SYSTEM FOR A2L REFRIGERANT SYSTEM. CONTROLS MAY BE INTEGRAL TO VRF SYSTEM.
7. INSTALL VRF UNITS AND DUCTWORK TIGHT TO THE STRUCTURAL JOISTS. MAINTAIN A MINIMUM 1" GAP BETWEEN THE DUCTWORK AND THE JOISTS ABOVE.
8. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING DEVICE COORDINATION.

KEY NOTES: (#)

1. PROVIDE NEW SUPPLY AIR DUCTWORK WITH 2-HR FIRE DAMPER AT EXISTING SLAB PENETRATION. RECONNECT TO EXISTING SUPPLY AIR DUCTWORK ABOVE SLAB ON ENTRY LEVEL WITHIN THE CASEWORK.
2. PROVIDE NEW RETURN AIR DUCTWORK WITH 2-HR FIRE DAMPER WITHIN NEW SLAB PENETRATION. RETURN AIR DUCTWORK SHALL RETURN AIR FROM THE BOTTOM OF THE EXISTING CASEWORK THROUGH A NEW RETURN AIR GRILLE.
3. PROVIDE 2'X2' ACCESS PANEL AT NOTED LOCATION IN HARD CEILING FOR ACCESS TO VRF UNIT. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
4. PROVIDE MINIMUM 18"X18" TRANSFER AIR GRILLE WITHIN THE DOOR TO PROVIDE TRANSFER AIR PATH AND MAINTAIN ACCEPTABLE A2L REFRIGERANT CONCENTRATION LIMIT.
5. PROVIDE A FULLY LOUVERED DOOR FOR 014A FURN STOR TO MAINTAIN ACCEPTABLE A2L REFRIGERANT CONCENTRATION LIMIT.
6. PROVIDE INDIRECT SANITARY CONNECTION FOR CONDENSATE PIPING TERMINATION AT SINK.
7. OPEN ENDED EXHAUST AIR DUCT LOCATED ABOVE CEILING.
8. PROVIDE SELF CONTAINED VENTURI AIR VALVE AS MANUFACTURED BY ANTEC CONTROLS OR EQUIVALENT IN RESTROOM OR CUSTODIAL EA DUCT BALANCED TO MAINTAIN A CONSTANT EXHAUST AIRFLOW RATE OF 50 CFM.
9. PROVIDE MINIMUM 24"X18" TRANSFER AIR GRILLE WITHIN BOTH DOORS TO PROVIDE TRANSFER AIR PATH AND MAINTAIN ACCEPTABLE A2L REFRIGERANT CONCENTRATION LIMIT.
10. PROVIDE NEW EXHAUST AIR DUCTWORK WITH 2-HR FIRE DAMPER WITHIN EXISTING SLAB PENETRATION. EXHAUST AIR DUCTWORK SHALL EXHAUST AIR FROM THE BOTTOM OF THE EXISTING CASEWORK THROUGH AN EXISTING AIR GRILLE.

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS
COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ANASTACIA MICHIGAN ENGINEER PE092368

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
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PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
MECHANICAL ENLARGED PLANS 2

PROJECT NO. [CITY] [SMP] 52025-E-06-01 | 718.10	DRAWING NO. M3.1
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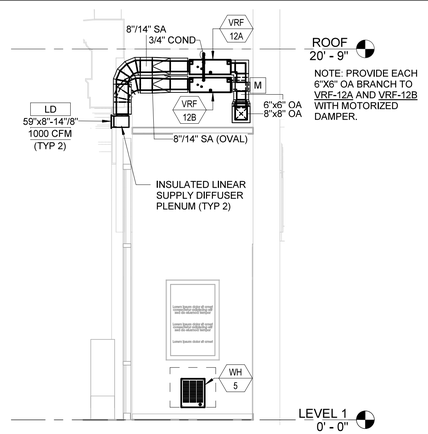
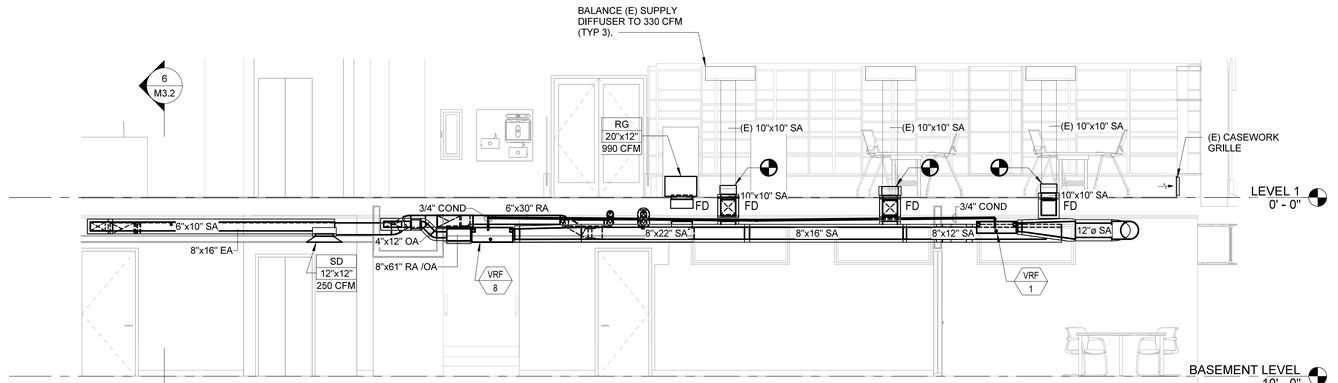
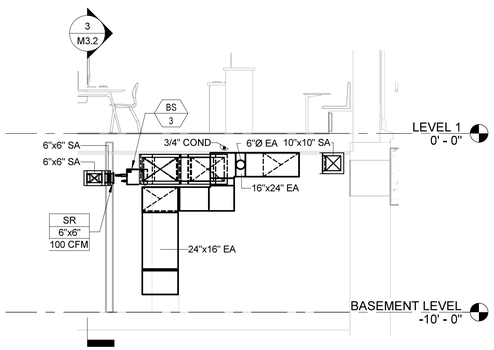


1 M3.2 VESTIBULE SECTION
1/4" = 1'-0"

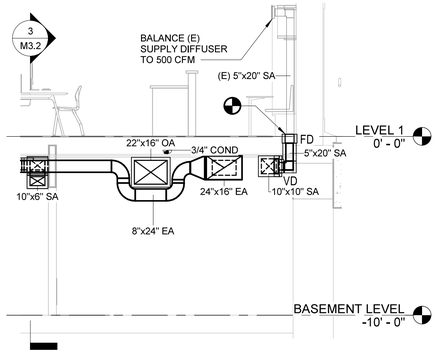


2 M3.2 001 CORRIDOR SECTION
1/4" = 1'-0"

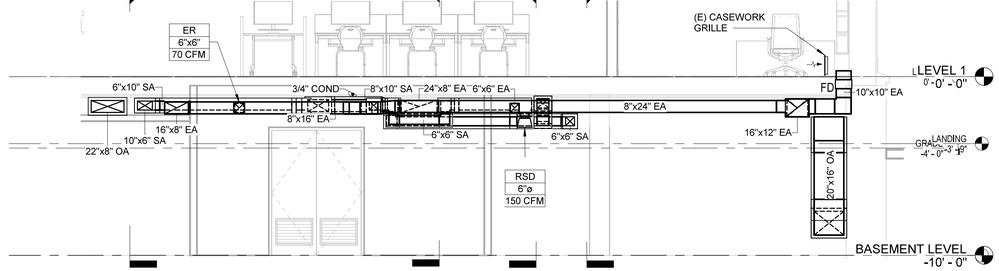
3 M3.2 MECHANICAL ROOM SECTION
1/4" = 1'-0"



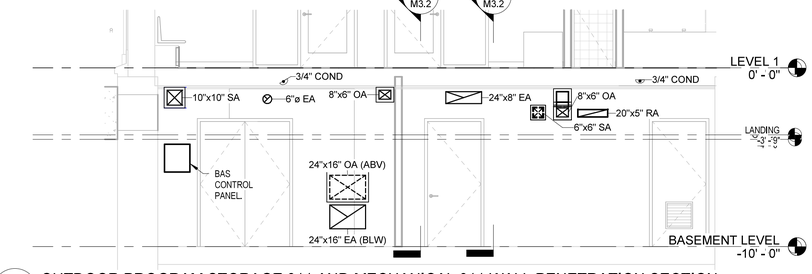
4 M3.2 STORAGE 012 SECTION 1
1/4" = 1'-0"



5 M3.2 STORAGE 012 SECTION 2
1/4" = 1'-0"



6 M3.2 CORRIDOR 007 SECTION
1/4" = 1'-0"



7 M3.2 OUTDOOR PROGRAM STORAGE 011 AND MECHANICAL 011 WALL PENETRATION SECTION
1/4" = 1'-0"

PLAN EXAMINER STAMP AREA:

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3. SEE SHEETS M5.0, M5.1, AND M5.2 FOR MECHANICAL DETAILS.
4. SEE SHEETS M6.0 AND M6.1 FOR MECHANICAL SCHEDULES.

KEY NOTES: (#)

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PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
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ARORA ENGINEERS
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1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
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530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
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915 Spring Garden Street, Suite 403
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CITY OF PHILADELPHIA
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1515 ARCH STREET
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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
MECHANICAL SECTION VIEWS

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO.: M3.2
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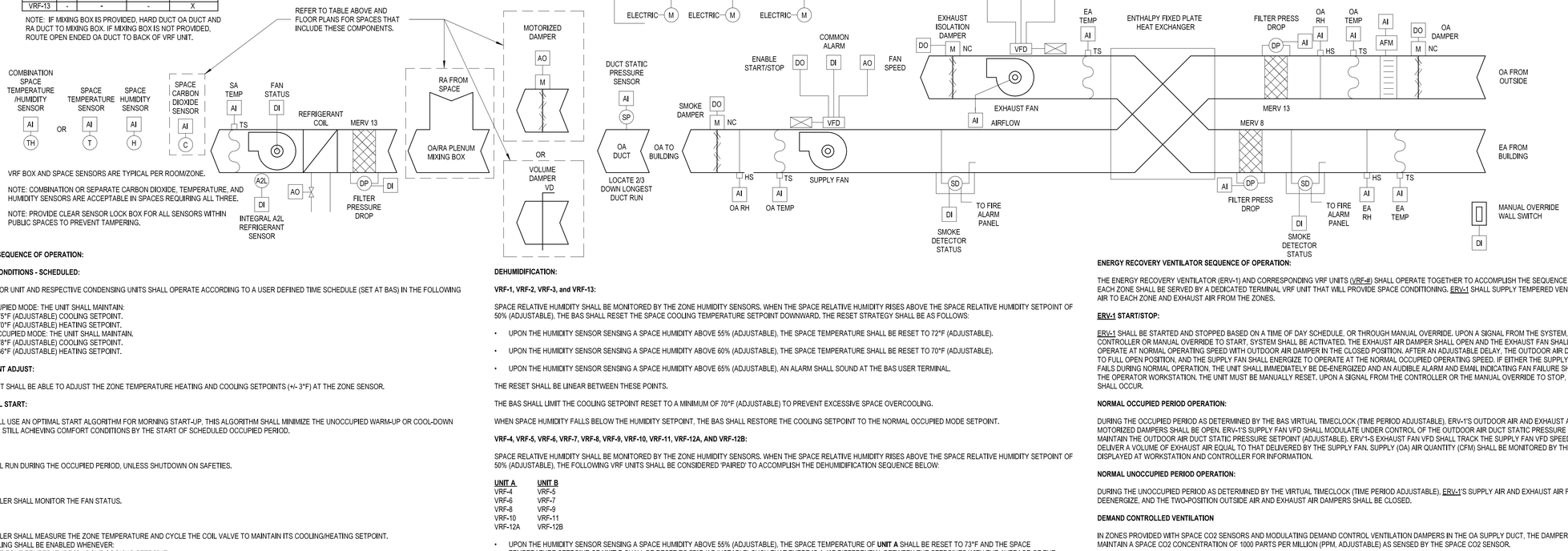
CHECKED BY: DM	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

TAG:	VD:	MOD AND CO2 SENSOR:	MIXING BOX:	RECIRC UNIT:
VRF-1	-	X	-	-
VRF-2	-	X	-	-
VRF-3	X	-	-	-
VRF-4	-	X	-	-
VRF-5	-	X	-	-
VRF-6	-	X	X	-
VRF-7	-	X	X	-
VRF-8	-	X	X	-
VRF-9	-	X	X	-
VRF-10	-	X	X	-
VRF-11	-	X	X	-
VRF-12A	-	X	-	-
VRF-12B	-	X	-	-
VRF-13	-	-	-	X

NOTE: IF MIXING BOX IS PROVIDED, HARD DUCT OA DUCT AND RA DUCT TO MIXING BOX. IF MIXING BOX IS NOT PROVIDED, ROUTE OPEN ENDED OA DUCT TO BACK OF VRF UNIT.



VRF SYSTEM SEQUENCE OF OPERATION:

OPERATING CONDITIONS - SCHEDULED:

THE VRF INDOOR UNIT AND RESPECTIVE CONDENSING UNITS SHALL OPERATE ACCORDING TO A USER DEFINED TIME SCHEDULE (SET AT BAS) IN THE FOLLOWING MODES:

OCCUPIED MODE: THE UNIT SHALL MAINTAIN:
A. A 75°F (ADJUSTABLE) COOLING SETPOINT.
B. A 70°F (ADJUSTABLE) HEATING SETPOINT.
UNOCCUPIED MODE: THE UNIT SHALL MAINTAIN.
A. A 78°F (ADJUSTABLE) COOLING SETPOINT.
B. A 66°F (ADJUSTABLE) HEATING SETPOINT.

ZONE SETPOINT ADJUST:

THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS (+/- 3°F) AT THE ZONE SENSOR.

ZONE OPTIMAL START:

THE UNIT SHALL USE AN OPTIMAL START ALGORITHM FOR MORNING START-UP. THIS ALGORITHM SHALL MINIMIZE THE UNOCCUPIED WARM-UP OR COOL-DOWN PERIOD WHILE STILL ACHIEVING COMFORT CONDITIONS BY THE START OF SCHEDULED OCCUPIED PERIOD.

FAN:

THE FAN SHALL RUN DURING THE OCCUPIED PERIOD, UNLESS SHUTDOWN ON SAFETIES.

FAN STATUS:

THE CONTROLLER SHALL MONITOR THE FAN STATUS.

COIL VALVE:

THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND CYCLE THE COIL VALVE TO MAINTAIN ITS COOLING/HEATING SETPOINT.
COOLING SHALL BE ENABLED WHENEVER:
A. THE ZONE TEMPERATURE IS ABOVE COOLING SETPOINT.
B. THE FAN IS ON.
HEATING SHALL BE ENABLED WHENEVER:
A. THE ZONE TEMPERATURE IS BELOW THE HEATING SETPOINT.
B. THE FAN IS ON.

SUPPLY AIR TEMPERATURE:

THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN 85°F (ADJ.)
LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN 60°F (ADJ.)
HIGH SUPPLY AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.)
LOW SUPPLY AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS LESS THAN 40°F (ADJ.)
HIGH HUMIDITY ALARM: IF ZONE HUMIDITY IS GREATER THAN 65% (ADJ.)
FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
FILTER HIGH DIFFERENTIAL PRESSURE.
CONDENSATE DRAIN HIGH LEVEL.
A2L REFRIGERANT: IF FACTORY-INSTALLED REFRIGERANT DETECTOR DETECTS A LEAK.

DEHUMIDIFICATION:

VRF-1, VRF-2, VRF-3, and VRF-13:

SPACE RELATIVE HUMIDITY SHALL BE MONITORED BY THE ZONE HUMIDITY SENSORS. WHEN THE SPACE RELATIVE HUMIDITY RISES ABOVE THE SPACE RELATIVE HUMIDITY SETPOINT OF 50% (ADJUSTABLE), THE BAS SHALL RESET THE SPACE COOLING TEMPERATURE SETPOINT DOWNWARD, THE RESET STRATEGY SHALL BE AS FOLLOWS:

- UPON THE HUMIDITY SENSOR SENSING A SPACE HUMIDITY ABOVE 55% (ADJUSTABLE), THE SPACE TEMPERATURE SHALL BE RESET TO 72°F (ADJUSTABLE).
- UPON THE HUMIDITY SENSOR SENSING A SPACE HUMIDITY ABOVE 60% (ADJUSTABLE), THE SPACE TEMPERATURE SHALL BE RESET TO 70°F (ADJUSTABLE).
- UPON THE HUMIDITY SENSOR SENSING A SPACE HUMIDITY ABOVE 65% (ADJUSTABLE), AN ALARM SHALL SOUND AT THE BAS USER TERMINAL.

THE RESET SHALL BE LINEAR BETWEEN THESE POINTS.

THE BAS SHALL LIMIT THE COOLING SETPOINT RESET TO A MINIMUM OF 70°F (ADJUSTABLE) TO PREVENT EXCESSIVE SPACE OVERCOOLING.

WHEN SPACE HUMIDITY FALLS BELOW THE HUMIDITY SETPOINT, THE BAS SHALL RESTORE THE COOLING SETPOINT TO THE NORMAL OCCUPIED MODE SETPOINT.

VRF-4, VRF-5, VRF-6, VRF-7, VRF-8, VRF-9, VRF-10, VRF-11, VRF-12A, AND VRF-12B:

SPACE RELATIVE HUMIDITY SHALL BE MONITORED BY THE ZONE HUMIDITY SENSORS. WHEN THE SPACE RELATIVE HUMIDITY RISES ABOVE THE SPACE RELATIVE HUMIDITY SETPOINT OF 50% (ADJUSTABLE), THE FOLLOWING VRF UNITS SHALL BE CONSIDERED 'PAIRED' TO ACCOMPLISH THE DEHUMIDIFICATION SEQUENCE BELOW:

UNIT A	UNIT B
VRF-4	VRF-5
VRF-6	VRF-7
VRF-8	VRF-9
VRF-10	VRF-11
VRF-12A	VRF-12B

- UPON THE HUMIDITY SENSOR SENSING A SPACE HUMIDITY ABOVE 55% (ADJUSTABLE), THE SPACE TEMPERATURE OF **UNIT A** SHALL BE RESET TO 73°F AND THE SPACE TEMPERATURE SETPOINT OF **UNIT B** SHALL BE RESET TO 77°F (ADJUSTABLE) SUCH THAT THERE IS A 4°F DIFFERENTIAL BETWEEN THE SETPOINTS WITH THE AVERAGE OF THE SPACE TEMPERATURE SETPOINTS EQUALING 75°F (ADJUSTABLE).
- AFTER 30 MINUTES, IF THE SPACE HUMIDITY SENSORS CONTINUES TO SENSE THE SPACE RELATIVE HUMIDITY SETPOINT OF ABOVE 55% (ADJUSTABLE), THE SPACE TEMPERATURE OF **UNIT B** SHALL BE RESET TO 72°F (ADJUSTABLE) AND THE SPACE TEMPERATURE SETPOINT OF **UNIT A** SHALL BE RESET TO 78°F (ADJUSTABLE) SUCH THAT THERE IS A 6°F DIFFERENTIAL BETWEEN THE SETPOINTS WITH THE AVERAGE OF THE SPACE TEMPERATURE SETPOINTS EQUALING 75°F (ADJUSTABLE). .
- AFTER AN ADDITIONAL 30 MINUTES, IF THE SPACE HUMIDITY SENSORS CONTINUES TO SENSE THE SPACE RELATIVE HUMIDITY SETPOINT OF ABOVE 55% (ADJUSTABLE), THE SPACE TEMPERATURE OF **UNIT A** SHALL BE RESET TO 71°F (ADJUSTABLE) AND THE SPACE TEMPERATURE SETPOINT OF **UNIT B** SHALL BE RESET TO 79°F (ADJUSTABLE) SUCH THAT THERE IS A 8°F DIFFERENTIAL BETWEEN THE SETPOINTS WITH THE AVERAGE OF THE SPACE TEMPERATURE SETPOINTS EQUALING 75°F (ADJUSTABLE).
- AFTER AN ADDITIONAL 30 MINUTES, IF THE SPACE HUMIDITY SENSORS CONTINUES TO SENSE THE SPACE RELATIVE HUMIDITY SETPOINT OF ABOVE 55% (ADJUSTABLE), AN ALARM SHALL SOUND AT THE BAS USER TERMINAL. **UNIT A** AND **UNIT B** SHALL CONTINUE TO SWITCH BETWEEN THE HIGHER AND LOWER SETPOINT EVERY 30 MINUTES UNTIL THE SPACE FALLS BELOW SPACE THE HUMIDITY SETPOINT.

WHEN SPACE HUMIDITY FALLS BELOW THE HUMIDITY SETPOINT, THE BAS SHALL RESTORE THE COOLING SETPOINT TO THE NORMAL OCCUPIED MODE SETPOINT.

A2L REFRIGERANT LEAK DETECTION:

EACH DUCTED VRF UNIT WITH A2L LEAK SENSOR SHALL CONTINUOUSLY MONITOR FOR REFRIGERANT LEAKS. UPON THE REFRIGERANT SENSOR SENSING A REFRIGERANT LEAK, AN AUDIBLE ALARM SHALL SOUND AT THE BAS WORKSTATION, AND THE VRF INDOOR UNIT THAT DETECTED THE LEAK SHALL SWITCH TO ITS HIGH FAN SPEED OPERATION TO DILUTE THE REFRIGERANT CONCENTRATION. THE ASSOCIATED OUTDOOR CONDENSING UNIT SHALL CEASE COMPRESSOR OPERATION TO PREVENT FURTHER REFRIGERANT CIRCULATION. THE SYSTEM SHALL REMAIN IN ALARM UNTIL THE LEAK IS REPAIRED.

ENERGY RECOVERY VENTILATOR SEQUENCE OF OPERATION:

THE ENERGY RECOVERY VENTILATOR (ERV-1) AND CORRESPONDING VRF UNITS (VRF-#) SHALL OPERATE TOGETHER TO ACCOMPLISH THE SEQUENCE DESCRIBED BELOW. EACH ZONE SHALL BE SERVED BY A DEDICATED TERMINAL VRF UNIT THAT WILL PROVIDE SPACE CONDITIONING. ERV-1 SHALL SUPPLY TEMPERED VENTILATION OUTDOOR AIR TO EACH ZONE AND EXHAUST AIR FROM THE ZONES.

ERV-1 START/STOP:

ERV-1 SHALL BE STARTED AND STOPPED BASED ON A TIME OF DAY SCHEDULE, OR THROUGH MANUAL OVERRIDE. UPON A SIGNAL FROM THE SYSTEM, THROUGH THE CONTROLLER OR MANUAL OVERRIDE TO START, SYSTEM SHALL BE ACTIVATED. THE EXHAUST AIR DAMPER SHALL OPEN AND THE EXHAUST FAN SHALL ENERGIZE TO OPERATE AT NORMAL OPERATING SPEED WITH OUTDOOR AIR DAMPER IN THE CLOSED POSITION. AFTER AN ADJUSTABLE DELAY, THE OUTDOOR AIR DAMPER SHALL OPEN TO FULL OPEN POSITION, AND THE SUPPLY FAN SHALL ENERGIZE TO OPERATE AT THE NORMAL OCCUPIED OPERATING SPEED. IF EITHER THE SUPPLY OR EXHAUST FAN FAILS DURING NORMAL OPERATION, THE UNIT SHALL IMMEDIATELY BE DE-ENERGIZED AND AN AUDIBLE ALARM AND EMAIL INDICATING FAN FAILURE SHALL BE ISSUED AT THE OPERATOR WORKSTATION. THE UNIT MUST BE MANUALLY RESET, UPON A SIGNAL FROM THE CONTROLLER OR THE MANUAL OVERRIDE TO STOP, THE REVERSE SHALL OCCUR.

NORMAL OCCUPIED PERIOD OPERATION:

DURING THE OCCUPIED PERIOD AS DETERMINED BY THE BAS VIRTUAL TIMECLOCK (TIME PERIOD ADJUSTABLE), ERV-1'S OUTDOOR AIR AND EXHAUST AIR TWO-POSITION MOTORIZED DAMPERS SHALL BE OPEN. ERV-1'S SUPPLY FAN VFD SHALL MODULATE UNDER CONTROL OF THE OUTDOOR AIR DUCT STATIC PRESSURE SENSOR TO MAINTAIN THE OUTDOOR AIR DUCT STATIC PRESSURE SETPOINT (ADJUSTABLE). ERV-1'S EXHAUST FAN VFD SHALL TRACK THE SUPPLY FAN VFD SPEED AT ALL TIMES TO DELIVER A VOLUME OF EXHAUST AIR EQUAL TO THAT DELIVERED BY THE SUPPLY FAN. SUPPLY (OA) AIR QUANTITY (CFM) SHALL BE MONITORED BY THE BAS AND DISPLAYED AT WORKSTATION AND CONTROLLER FOR INFORMATION.

NORMAL UNOCCUPIED PERIOD OPERATION:

DURING THE UNOCCUPIED PERIOD AS DETERMINED BY THE VIRTUAL TIMECLOCK (TIME PERIOD ADJUSTABLE), ERV-1'S SUPPLY AIR AND EXHAUST AIR FANS SHALL DEENERGIZE, AND THE TWO-POSITION OUTSIDE AIR AND EXHAUST AIR DAMPERS SHALL BE CLOSED.

DEMAND CONTROLLED VENTILATION

IN ZONES PROVIDED WITH SPACE CO2 SENSORS AND MODULATING DEMAND CONTROL VENTILATION DAMPERS IN THE OA SUPPLY DUCT, THE DAMPER WILL MODULATE TO MAINTAIN A SPACE CO2 CONCENTRATION OF 1000 PARTS PER MILLION (PPM, ADJUSTABLE) AS SENSED BY THE SPACE CO2 SENSOR.

TEMPERATURE AND HUMIDITY MONITORING:

CONTROLLER SHALL MONITOR AND SYSTEM GRAPHICS SHALL DISPLAY THE TEMPERATURE AND HUMIDITY OF ALL THE TEMPERATURE AND HUMIDITY SENSORS INDICATED.

ENERGY RECOVERY CORE DEFROST:

WHEN THE OUTDOOR TEMPERATURE IS BELOW 30°F, THE MANUFACTURER STANDARD DEFROST SEQUENCE WILL BE INITIATED FOR NO LONGER THAN 5 MINUTES IN DURATION.

FILTER ALARM:

A PRESSURE SWITCH SENSING FILTER DIFFERENTIAL PRESSURE AS PROGRAMMED BY THE MANUFACTURER SHALL INDICATE 'FILTER DIRTY' AND ISSUE AN ALARM AT THE CONTROLLER, AND AN AUDIBLE ALARM INDICATING A DIRTY FILTER CONDITION SHALL BE ISSUED AT THE BAS USER TERMINAL.

SMOKE DETECTOR STATUS:

THE EXHAUST AND SUPPLY AIR DUCT SMOKE DETECTORS, UPON SENSING SMOKE, SHALL DE-ENERGIZE THE UNIT. THE UNIT CONTROLLER SHALL ISSUE AN ALARM TO THE BUILDING FIRE ALARM SYSTEM AND AN AUDIBLE ALARM INDICATING SMOKE CONDITIONS SHALL BE ISSUED AT THE BAS USER TERMINAL. THE SUPPLY AND EXHAUST FANS CANNOT BE ENERGIZED UNTIL MANUALLY RESET BY AN OPERATOR.

1 / M4.0 MECHANICAL CONTROL DIAGRAMS AND SEQUENCE OF OPERATIONS
NOT TO SCALE

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — ANASTACIA MICHIGAN — ENGINEER PE092368

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

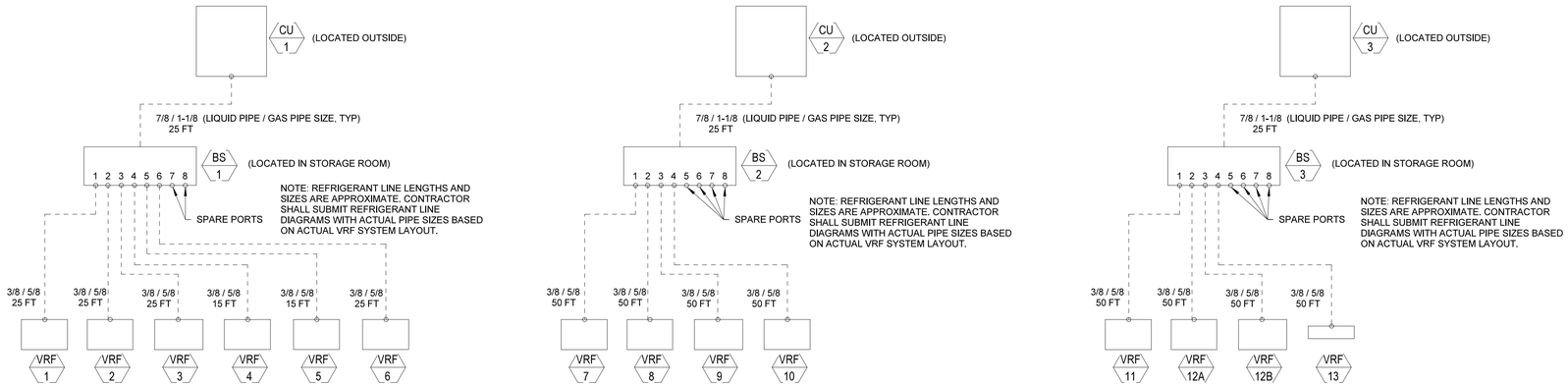
CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
MECHANICAL CONTROL DIAGRAMS 1

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10
DATE: 04/09/2026
SCALE: AS NOTED
DRAWN BY: JB
CHECKED BY: DM
DRAWING NO.: M4.0
REV.:

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



1 / M4.1 VRF REFRIGERANT LINE DIAGRAM

12" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

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PE092368

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PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

MECHANICAL CONTROL DIAGRAMS 2

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. M4.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JB	
CHECKED BY AM	REV.

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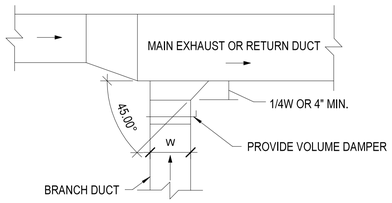
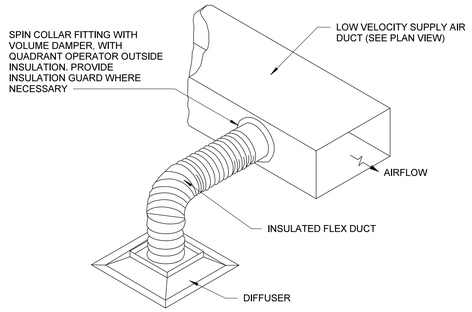


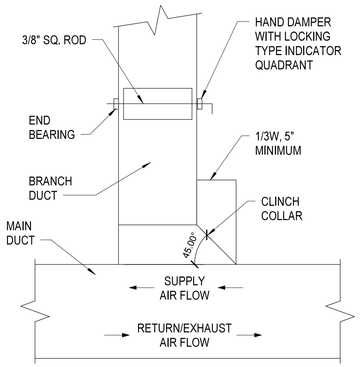
PLAN VIEW

1 M5.0 **BRANCH DUCT CONNECTION EXHAUST OR RETURN**
NOT TO SCALE

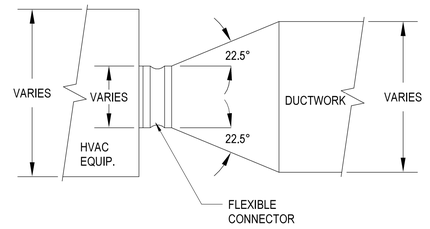


NOTE:
1. MAXIMUM LENGTH OF FLEXIBLE DUCT RUNOUT TO DIFFUSER TO BE 8FT
2. SEAL JOINTS WITH DUCT SEALER AND TAPE

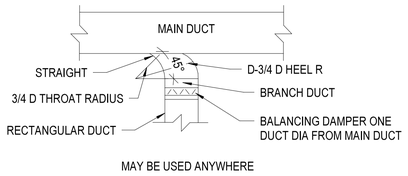
2 M5.0 **FLEXIBLE DUCT CONNECTION**
NOT TO SCALE



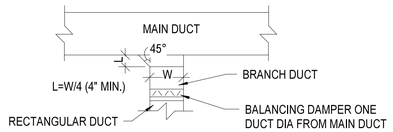
3 M5.0 **DUCT TAP WITH VOLUME DAMPER**
NOT TO SCALE



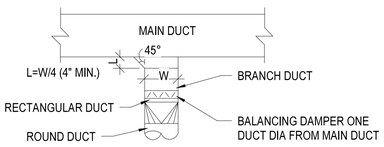
4 M5.0 **TYPICAL SUPPLY DUCT TRANSISTION**
NOT TO SCALE



MAY BE USED ANYWHERE

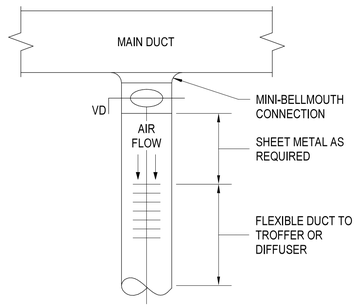


USE ONLY AT LAST TAKE OFF BEFORE OUTLETS AND THEN ONLY WHERE RECTANGULAR RUNOUTS ARE INDICATED ON DRAWINGS.

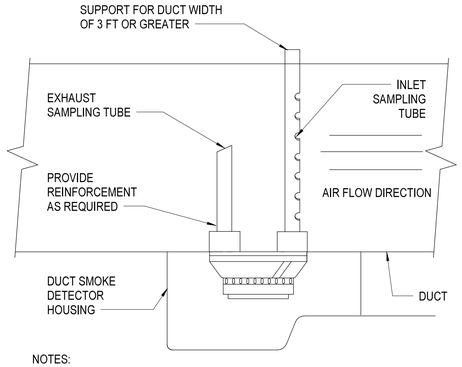


USE ONLY AT LAST TAKE OFF BEFORE OUTLETS AND THEN ONLY WHERE ROUND RUNOUTS ARE INDICATED ON DRAWINGS.

5 M5.0 **BRANCH DUCT CONNECTION SUPPLY DETAIL**
NOT TO SCALE



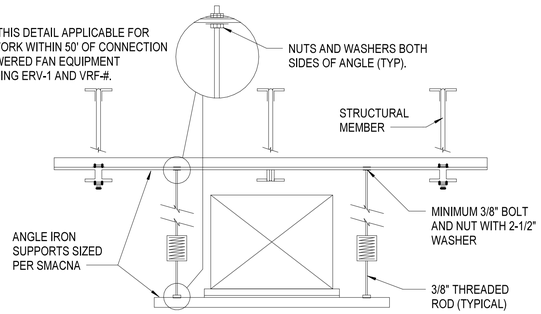
6 M5.0 **TYPICAL RECTANGULAR TO ROUND DUCT TAP**
NOT TO SCALE



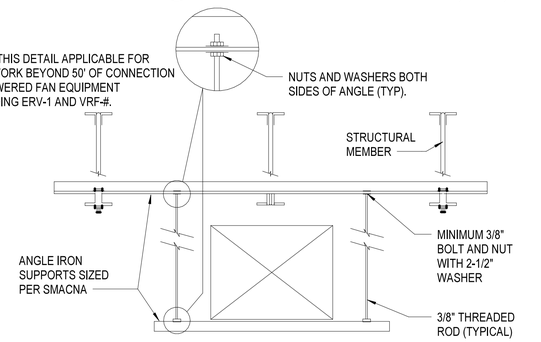
NOTES:
1. PROVIDE NEW DUCT SMOKE DETECTORS AS INDICATED ON THE FIRE ALARM DRAWINGS. CONNECT NEW DEVICES TO THE ADDRESSABLE CIRCUIT SERVING THE FLOOR AND PROVIDE EXTERNAL 24DVC POWER AS REQUIRED. ALL FAN UNITS SHALL BE WIRED FOR FAN SHUT-DOWN. COORDINATE WITH THE FIRE ALARM CONTRACTORS.
2. PROVIDE WIRING, CONDUIT, RELAYS AND REMOTE LED/TEST SWITCH AS REQUIRED.
3. ALL DUCT DETECTORS SHALL BE SUPPLIED WITH REMOTE LED/TEST SWITCH MODULES. COORDINATE THE LOCATION OF THESE MODULES WITH THE NEW FACILITY ENGINEER.

7 M5.0 **DUCT DETECTOR**
NOT TO SCALE

NOTE: THIS DETAIL APPLICABLE FOR DUCTWORK WITHIN 50' OF CONNECTION TO POWERED FAN EQUIPMENT INCLUDING ERV-1 AND VRF-#.



NOTE: THIS DETAIL APPLICABLE FOR DUCTWORK BEYOND 50' OF CONNECTION TO POWERED FAN EQUIPMENT INCLUDING ERV-1 AND VRF-#.



8 M5.0 **DUCT HANGER DETAILS**
NOT TO SCALE

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

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REBUILD | CASSIE O'CONNELL

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PROJECT TEAM

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SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

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1600 Market Street, Suite 1630
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KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
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530 Walnut Street, Suite 460
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LANDSCAPE ARCHITECT:
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915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
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CITY OF PHILADELPHIA
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PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
MECHANICAL DETAILS 1

PROJECT NO. (CITY | SMP) 520025-E-06-01 | 718.10	DRAWING NO. M5.0
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JB	
CHECKED BY AM	

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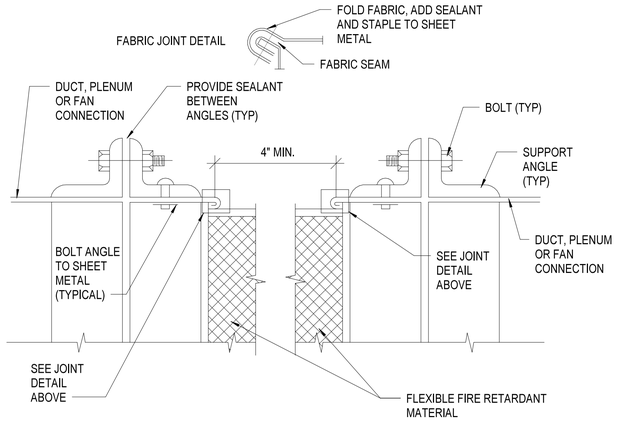
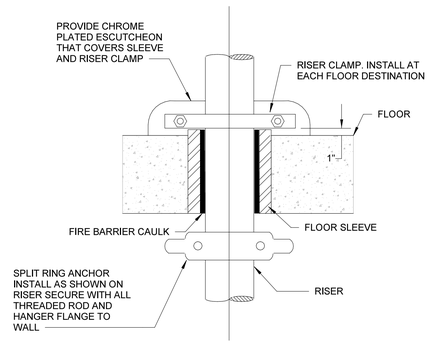
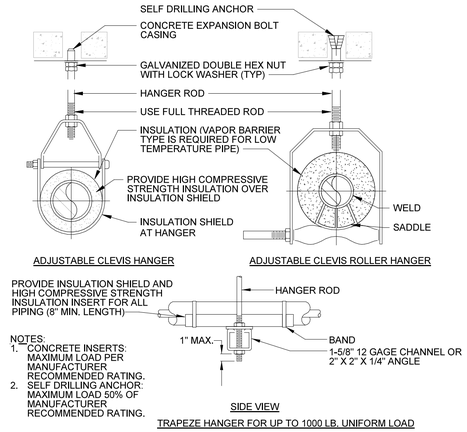


1 / M5.1 EQUIPMENT FLEXIBLE CONNECTION
NOT TO SCALE



2 / M5.1 PIPE HANGER THRU FLOOR DETAIL
NOT TO SCALE



3 / M5.1 PIPE HANGERS DETAIL
NOT TO SCALE

UNIT TYPE	A	B
DRAW THRU	2" PLUS X	X
BLOW THRU	1" MINIMUM	2X

WHERE X = STATIC PRESSURE IN PAN

4 / M5.1 TYPICAL CONDENSATE DRAIN AND TRAP
NOT TO SCALE

5 / M5.1 TYPICAL ACOUSTIC TRANSFER DUCT DETAIL
NOT TO SCALE

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

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PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

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1515 ARCH STREET
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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
MECHANICAL DETAILS 2

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO.: M5.1
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: JB	
CHECKED BY: AM	

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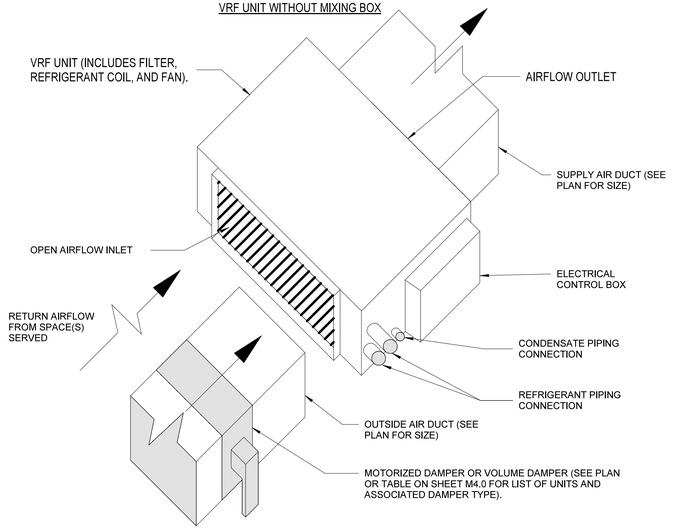
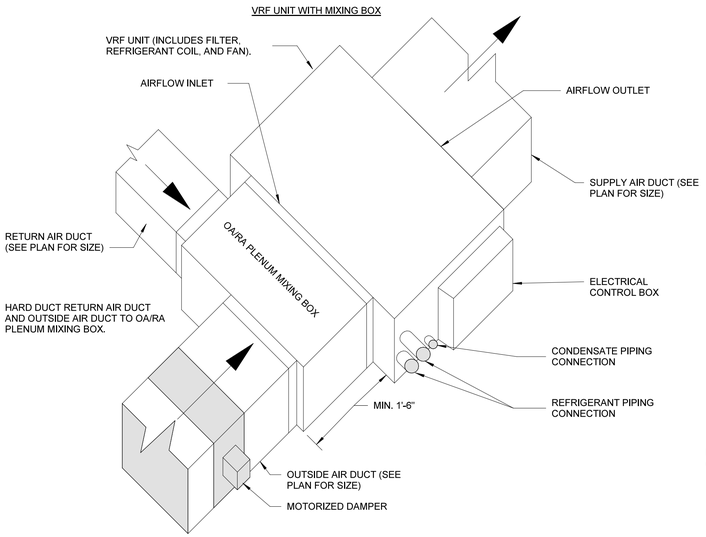
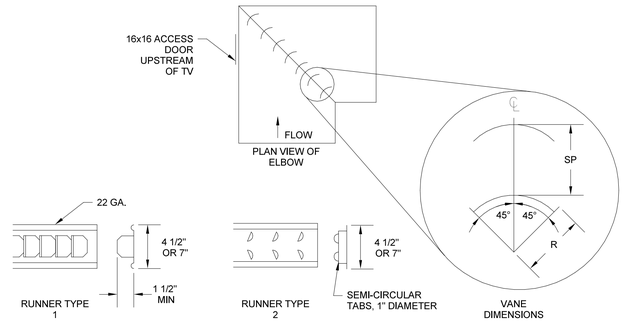




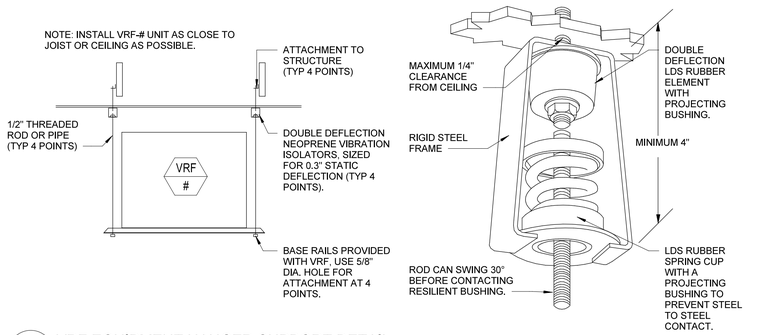
1 M5.2 TYPICAL DUCTED VRF UNIT DETAIL
NOT TO SCALE



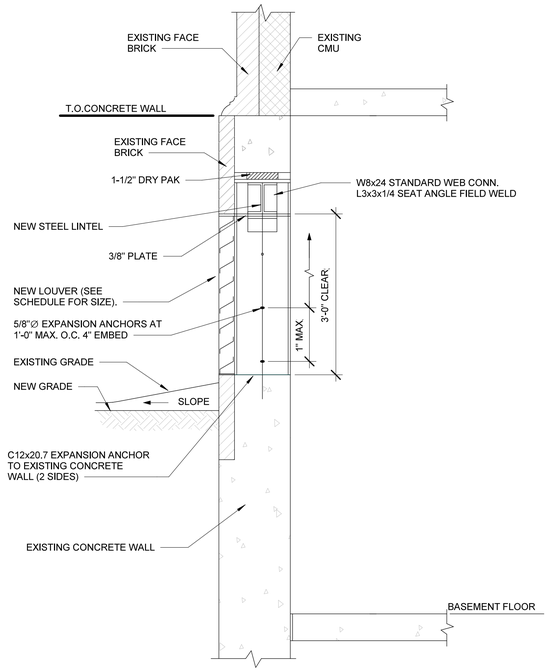
NOTES:
1. THIS LAYOUT PRESUMES AN ELBOW WITH EQUAL INLET & OUTLET SIZES. CHANGE ELBOWS (I.E WITH A SIZE CHANGE) SHALL BE INDIVIDUALLY DETAILED BY SHEET METAL CONTRACTOR, INDICATING MODIFIED OR CUSTOM RUNNER (RAIL) & VANE REQUIRED TO ENSURE VANES ARE PERPENDICULAR TO AIRFLOW.
2. MAX UNSUPPORTED VANE LENGTH SHALL NOT EXCEED 36" FOR LARGE OR SMALL SINGLE VANE. INSTALL LONGER LENGTHS IN MULTIPLE SECTIONS OR PROVIDE TIE-RODS.
3. VANES SHALL BE SECURELY FASTENED TO DUCT WITH SCREWS, BOLTS, OR WELDS.
4. RUNNERS SHALL BE SECURELY FASTENED TO DUCT WITH SCREWS, BOLTS, OR WELDS.

SINGLE VANE SCHEDULE			
	RADIUS (R)	SPACING (SP)	MIN. GUAGE
SMALL	2" (51mm)	1 1/2" (38mm)	24" (.70mm)
LARGE	4 1/2" (114mm)	3 1/4" (83mm)	22" (.85mm)

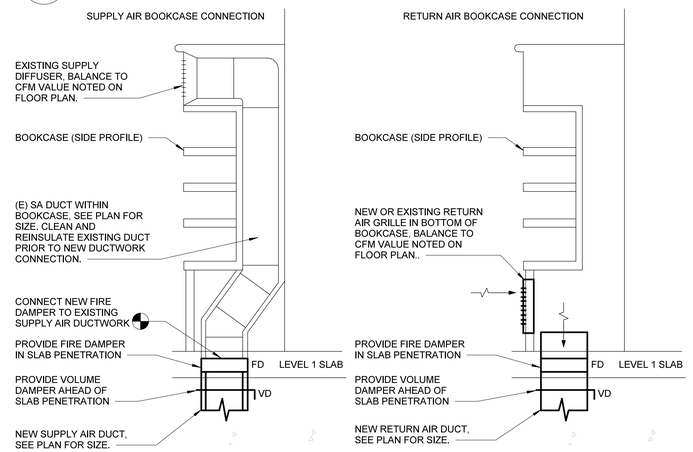
2 M5.2 TYPICAL TURNING VANE DETAIL
NOT TO SCALE



4 M5.2 VRF EQUIPMENT HANGER SUPPORT DETAIL
NOT TO SCALE



3 M5.2 LOUVER IN CONCRETE WALL
NOT TO SCALE



5 M5.2 EXISTING DUCTWORK IN BOOKCASE TYPICAL DETAIL
NOT TO SCALE

PLAN EXAMINER STAMP AREA:

REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
MECHANICAL DETAILS 3

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. M5.2
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AM	
CHECKED BY DM	REV.

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

ENERGY RECOVERY VENTILATOR UNIT SCHEDULE

TAG	LOCATION	TYPE	OUTSIDE	EXHAUST	SUPPLY FAN			EXHAUST FAN			HEAT EXCHANGER DATA - COOLING (NORMAL CONDITIONS)					HEAT EXCHANGER DATA - HEATING (NORMAL CONDITIONS)			ELECTRICAL DATA			MAXIMUM DIMENSIONS	MAXIMUM WEIGHT	BASIS OF DESIGN		REMARKS
			CFM	CFM	EXT. SP (IN WC)	QTY	FAN HP EACH	EXT. SP. (IN WC)	QTY	FAN HP EACH	EAT DB (F)	EAT WB (F)	LAT DB (F)	LAT WB (F)	ENTHALPY RECOVERY RATIO (%)	EAT DB (F)	LAT DB (F)	ENTHALPY RECOVERY RATIO (%)	VOLT/PH	MCA	MOCP	L x W x H (IN)	(LBS)	MANUFACTURER	MODEL	
ERV-1	011 MECHANICAL	ENTHALPY FIXED PLATE	3000	3000	2.0	2	1.5	1.5	2	1.5	95.0	75.0	81.4	68.1	59.0	5.0	49.3	61.0	208/3	19.7	20	60 X 81 X 46.1	980	GREENHECK	GREENHECK ECV-40-P-H	SEE NOTES 1, 2, 3, 4, 5

NOTES:
1. PROVIDE INTERNAL VIBRATION ISOLATION FOR ALL FANS.
2. PROVIDE MERV 13 FILTERS IN OUTSIDE AIR STREAM. PROVIDE MERV 8 FILTERS AHEAD OF THE ENERGY RECOVERY CORE IN EXHAUST STREAM.
3. PROVIDE ALL REQUIRED CONTROLS FOR ERV TO CONNECT TO AND COMMUNICATE WITH BAS SYSTEM.
4. PROVIDE SUPPLY AND EXHAUST FAN EACH WITH A VFD, FACTORY MOUNTED AND WIRED INSIDE UNIT CONTROL ENCLOSURE.
5. PROVIDE WITH TIMED EXHAUST FROST CONTROL.
6. PROVIDE NON-FUSED DISCONNECT SWITCH. NON-FUSED DISCONNECT SWITCH SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR.
7. PROVIDE FULL INTEGRATION OF ERV WITH BAS. INTERNAL MOTOR VFD'S SHALL BE PROVIDED WITH NETWORK CARDS TO ALLOW FULL INTERFACE WITH BAS.

VRF CONDENSING UNIT SCHEDULE

TAG	LOCATION	COOLING DATA				HEATING DATA			ELECTRICAL				REFRIGERANT	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	REMARKS
		NOMINAL TONS	CAP (MBH)	OAT (°F)	EER	CAP (MBH)	OAT (°F)	COP	MCA	MOCP	VOLTS	PHASE				
CU-1	OUTDOORS	16	192	95	11.9	192	5	3.3	60.0	100	208	3	R-32	MITSUBISHI	PURY-EM192TXU-A	SEE NOTES
CU-2	OUTDOORS	16	192	95	11.9	192	5	3.3	60.0	100	208	3	R-32	MITSUBISHI	PURY-EM192TXU-A	SEE NOTES
CU-3	OUTDOORS	16	192	95	11.9	192	5	3.3	60.0	100	208	3	R-32	MITSUBISHI	PURY-EM192TXU-A	SEE NOTES

NOTES:
1. PROVIDE FACTORY MOUNTED NON-FUSED DISCONNECT SWITCH.
2. PROVIDE WITH INTEGRAL MOTOR STARTERS AND DDC CONNECTION TO THE BAS.

VRF BRANCH SELECTOR CONTROLLER SCHEDULE

TAG	LOCATION	PORTS	ELECTRICAL		REFRIGERANT	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	REMARKS
			VOLTS	PHASE				
BS-1	011 MECH	8	208-230	1	R-32	MITSUBISHI	CMB-M108NU-MA-SV	SEE NOTES
BS-2	011 MECH	8	208-230	1	R-32	MITSUBISHI	CMB-M108NU-MA-SV	SEE NOTES
BS-3	011 MECH	8	208-230	1	R-32	MITSUBISHI	CMB-M108NU-MA-SV	SEE NOTES

NOTES:
1. COORDINATE EXACT LOCATION IN FIELD TO ENSURE MANUFACTURER'S REQUIRED CLEARANCE FOR PIPE TRANSITIONS ARE MET.

ELECTRIC UNIT HEATER SCHEDULE

TAG	LOCATION SERVED	TYPE	MBH	KW	ELECTRICAL (V/PH)	AMPS	MANUFACTURER AND MODEL NUMBER
WH-1	004 STAFF LOUNGE	ELECTRIC WALL HEATER	5.1	1.5	208/1	7.2	BERKO VFK204F
WH-2	004A STAFF RESTROOM	ELECTRIC WALL HEATER	5.1	1.5	208/1	7.2	BERKO VFK204F
WH-3	002 RESTROOM	ELECTRIC WALL HEATER	5.1	1.5	208/1	7.2	BERKO VFK204F
WH-4	ST1 STAIR	ELECTRIC WALL HEATER	10.2	3.0	208/1	14.4	BERKO VFK404F
WH-5	101 VESTIBULE	ELECTRIC WALL HEATER	10.2	3.0	208/1	14.4	BERKO VFK404F
WH-6	103 CHILDREN'S RESTROOM	ELECTRIC WALL HEATER	5.1	1.5	208/1	7.2	BERKO VFK204F
WH-7	106 ADA RESTROOM	ELECTRIC WALL HEATER	5.1	1.5	208/1	7.2	BERKO VFK204F
WH-8	014B STORAGE	ELECTRIC WALL HEATER	5.1	1.5	120/1	12.5	BERKO VFK151F
EUH-1	011 MECH	ELECTRIC UNIT HEATER	10.2	3.0	208/1	14.5	BERKO HUHAA320

NOTE: PROVIDE WITH UNIT MOUNTED THERMOSTAT AND FACTORY MOUNTED NON-FUSED DISCONNECT SWITCH.

PLAN EXAMINER STAMP AREA:

VRF FAN COIL UNIT SCHEDULE

TAG	AREA SERVED	AIRFLOW (CFM)	OA (CFM)	EXT SP(IN WC)	NOM. TONS	COOLING DATA				HEATING DATA			REFRIGERANT	ELECTRICAL				BASIS OF DESIGN MANUFACTURER/MODEL	REMARKS
						TOTAL CAP (MBH)	SENS. CAP (MBH)	EAT (°F)	LAT (°F)	CAP (MBH)	EAT (°F)	LAT (°F)		MCA	MOCP	VOLTS	PHASE		
VRF-1	003 MEDIUM MEETING CHILDREN'S	600	225	0.4	2.0	23.2	18.8	77	50	15.5	60	85	R-32	2.50	15	208	1	MITSUBISHI PEFY-M24NMSU-A	SEE NOTES
VRF-2	002, 004, 004A, 005, 006	600	195	0.4	2.0	23.2	18.8	77	50	15.5	61	85	R-32	2.50	15	208	1	MITSUBISHI PEFY-M24NMSU-A	SEE NOTES
VRF-3	001,007, 010, 012	600	120	0.4	2.0	23.2	18.8	76	50	15.5	64	88	R-32	2.50	15	208	1	MITSUBISHI PEFY-M24NMSU-A	SEE NOTES
VRF-4	014 LARGE MEETING ROOM, 014A, 014B	800	500	0.4	3.0	34.7	27.9	79	50	23.0	55	82	R-32	3.10	15	208	1	MITSUBISHI PEFY-M36NMAU-A	SEE NOTES
VRF-5	014 LARGE MEETING ROOM, 014A, 014B	800	500	0.4	3.0	34.7	27.9	79	50	23.0	55	82	R-32	3.10	15	208	1	MITSUBISHI PEFY-M36NMAU-A	SEE NOTES
VRF-6	104 COMPUTERS, 108 STAFF WORKROOM, 109 MEETING	600	150	0.4	4.5	52.1	37.7	77	50	34.5	63	100	R-32	3.40	15	208	1	MITSUBISHI PEFY-M54NMAU-A	SEE NOTES
VRF-7	104 COMPUTERS, 108 STAFF WORKROOM, 109 MEETING	1000	150	0.4	4.5	48.2	36.0	76	50	31.1	65	94	R-32	3.40	15	208	1	MITSUBISHI PEFY-M54NMAU-A	SEE NOTES
VRF-8	107 TEEN SPACE/ ADULT READING	1000	200	0.4	4.5	48.2	36.0	76	50	31.1	64	93	R-32	3.40	15	208	1	MITSUBISHI PEFY-M54NMAU-A	SEE NOTES
VRF-9	107 TEEN SPACE/ ADULT READING	1000	200	0.4	4.5	48.2	36.0	76	50	31.1	64	93	R-32	3.40	15	208	1	MITSUBISHI PEFY-M54NMAU-A	SEE NOTES
VRF-10	105 CHILDREN'S READING	1000	200	0.4	4.5	48.2	36.0	76	50	31.1	64	93	R-32	3.40	15	208	1	MITSUBISHI PEFY-M54NMAU-A	SEE NOTES
VRF-11	105 CHILDREN'S READING	1000	200	0.4	4.5	52.1	37.8	76	50	42.0	64	103	R-32	3.40	15	208	1	MITSUBISHI PEFY-M54NMAU-A	SEE NOTES
VRF-12A	102 CIRCULATION	1000	140	0.4	4.0	46.3	33.3	76	50	37.8	65	100	R-32	3.40	15	208	1	MITSUBISHI TPEFY-096MH140A	SEE NOTES
VRF-12B	102 CIRCULATION	1000	140	0.4	4.0	46.3	33.3	76	50	37.8	65	100	R-32	3.40	15	208	1	MITSUBISHI TPEFY-096MH140A	SEE NOTES
VRF-13	009 IT	300	0.0	0.3	0.5	11.6	8.4	75	55	9.5	68	97	R-32	0.24	15	208	1	MITSUBISHI PKFY-M12NLMU-A	SEE NOTES

NOTES:
1. PROVIDE WITH INTEGRAL MOTOR STARTERS, FACTORY MOUNTED DISCONNECT SWITCH, AND DDC CONNECTION TO THE BAS. PROVIDE WITH THERMOSTAT WITH BACNET CONNECTION TO BAS.
2. IF UNIT IS NOT PROVIDED WITH INTEGRAL CONDENSATE PUMP, PROVIDE WITH ADVANCED BLUE DIAMOND MINI CONDENSATE PUMP (OR EQUIVALENT) WITH RESERVOIR AND SENSOR (208 V).
3. PROVIDE REMOVABLE CONDENSATE TRAP WITH CLEANOUT PLUG.
4. PROVIDE UNIT WITH FILTER BOX WITH MERV 13 FILTER.

DIFFUSER, REGISTER AND GRILLE SCHEDULE

TAG	SERVICE	CFM RANGE	NECK DIA. (IN)	FACE SIZE (IN)	LINEAR DATA			MAX. PD (IN. WG)	MAX. NOISE (NC)	THROW @ 100 FPM (FT)	THROW PATTERN	MANUFACTURER AND MODEL NUMBER	REMARKS
					QTY OF SLOT	SLOT WIDTH (IN)	SLOT LENGTH (IN)						
SD	SQUARE CEILING DIFFUSER GENERAL SUPPLY CEILING	0-300	10X10	24 x 24	-	-	-	0.044	12	4	4 WAY (UNLESS OTHERWISE NOTED)	TITUS TMSA	ALL PATTERN SHALL BE 4-WAY UNLESS OTHERWISE NOTE. PROVIDE FRAME TO MATCH CEILING TYPE AS NECESSARY.
SRD	ROUND SUPPLY DIFFUSER DUCT MOUNTED	0-200	8"		-	-	-	0.031	-	5	360°	TITUS R-OMNI	DUCT-MOUNTED APPLICATION. ARCHITECT TO SPECIFY COLOR.
SR	SUPPLY REGISTER WALL MOUNTED	0-100	6 x 6	8 x 8	-	-	-	0.051	-	10	FIXED (22.5°)	TITUS 301F	ARCHITECT TO SPECIFY COLOR.
	SUPPLY REGISTER SOFFIT MOUNTED	0-160	12 x 6	14 x 8	-	-	-	0.049	-	11			
RR	RETURN REGISTER GENERAL RETURN CEILING	0-400	12 x 12	24 x 24	-	-	-	-	14	-	FIXED (35°)	TITUS 350R	ARCHITECT TO SPECIFY COLOR. PROVIDE FRAME TO MATCH CEILING TYPE AS NECESSARY.
		0-1600	20X20	24X24	-	-	-	-	14	-			
ER	EXHAUST GRILLE GENERAL EXHAUST WALL OR CEILING	0-50	6 x 6	8 x 8	-	-	-	-	14	-	FIXED (35°)	TITUS 350R	ARCHITECT TO SPECIFY COLOR.
RG	RETURN GRILLE BOOKCASE	0-1000	20X12	22X14	-	-	-	-		-	N/A	TITUS SG-LFF	PAINT TO MATCH BOOKCASE COLOR, REFER TO ARCHITECTURAL DOCUMENTS.
LD	LINEAR SLOT SUPPLY DIFFUSER	0-1000	14"/8 OVAL	-	6	3/4"	60	0.102	35	45	ADJUSTABLE	TITUS ML-38	COORDINATE BORDER TYPE WITH WALL TYPE. PROVIDE WITH INSULATED PLENUM MODEL MPI.
LR	LINEAR SLOT RETURN	0-1000	-	-	6	3/4"	60	0.102	37	-	-	TITUS MLR-38	COORDINATE BORDER TYPE WITH WALL TYPE.

REFER TO ARCHITECTURAL RCP PLAN FOR CEILING DEVICE COORDINATION.

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY of PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — ANASTACIA MICHIGAN — ENGINEER PE092368

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
MECHANICAL SCHEDULES 1

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10
DRAWING NO.: M6.0
DATE: 04/09/2026
SCALE: AS NOTED
DRAWN BY: AM
CHECKED BY: DM

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

VENTILATION CALCUALTION (ORGANIZED BY ASSOCIATED VRF UNIT)

ASSOCIATED VRF UNIT	NUMBER	NAME	AREA	LEVEL	CODE USE GROUP	NUMBER OF OCC/1000 SF	NUMBER OF OCC	NUMB OF PLUMB FIXT	OA CFM PER OCC	OCC OA REQD (CFM)	OA CFM PER SF REQD	AREA OA REQD (CFM)	TOT. OA (CFM)	ZONE EFFECTIVENESS (Ez)	TOT. OA REQD (CFM)	LEED TOT. OA REQD (CFM)	PROVIDED OA CFM	SA (CFM)	OA %	EA CFM PER FIXT REQD)	FIXT EA CFM REQD	TOT. EA REQD (CFM)	TOT. EA (CFM)
VRF-1	003	MEDIUM MEETING (CHILDREN'S LUNCH) ROOM	411	LEVEL 01	CONFERENCE ROOMS	50	22	0	5	110	0.06	24.7	134.7	0.8	168	219	225	600	38%	0	0	0	0
VRF-2	002	RESTROOM	53	LEVEL 01	TOILET ROOMS-PUBLIC	0	0	1	0	0	0.00	0.0	0.0	0.8	0	0	13	40		50	50	50	50
	004	STAFF LOUNGE	242	LEVEL 01	BREAKROOM	N/A	5	0	5	25	0.06	14.5	39.5	0.8	49	64	74	230		0	0	0	0
	004A	STAFF RESTROOM	65	LEVEL 01	TOILET ROOMS-PUBLIC	0	0	1	0	0	0.00	0.0	0.0	0.8	0	0	13	40	32%	50	50	50	50
	004B	ADA RESTROOM	79	LEVEL 01	TOILET ROOMS-PUBLIC	0	0	1	0	0	0.00	0.0	0.0	0.8	0	0	13	40		50	50	50	50
	006	OFFICE	145	LEVEL 01	CONFERENCE ROOMS	50	8	0	5	40	0.06	8.7	48.7	0.8	61	79	80	250		0	0	0	0
VRF-3	001	CORRIDOR	470	LEVEL 01	CORRIDOR	0	0	0	0	0	0.06	28.2	28.2	0.8	35	46	50	250		0	0	0	0
	007	CORRIDOR	179	LEVEL 01	CORRIDOR	0	0	0	0	0	0.06	10.7	10.7	0.8	13	17	30	150	20%	0	0	0	0
	010	OUTDOOR PROGRAM STORAGE	146	LEVEL 01	UNOCCUPIED STORAGE	0	0	0	0	0	0.00	0.0	0.0	0.8	0	0	20	100		0	0	0	0
	012	STORAGE	281	LEVEL 01	UNOCCUPIED STORAGE	0	0	0	0	0	0.00	0.0	0.0	0.8	0	0	20	100		0	0	0	0
VRF-4, VRF-5	014	LARGE MEETING ROOM	1713	LEVEL 01	CONFERENCE ROOMS	50	86	0	5	430	0.06	102.8	532.8	0.8	666	866	870	1400		0	0	0	0
	014A	FURN STORAGE	46	LEVEL 01	UNOCCUPIED STORAGE	0	0	0	0	0	0.00	0.0	0.0	0.8	0	0	60	100	62%	0	0	0	0
	014B	STORAGE	183	LEVEL 01	UNOCCUPIED STORAGE	0	0	0	0	0	0.00	0.0	0.0	0.8	0	0	60	100		0	0	0	0
VRF-6, VRF-7	104	COMPUTERS	477	LEVEL 02	LIBRARY	N/A	14	0	5	70	0.12	57.2	127.2	0.8	159	207	210			0	0	0	0
	108	STAFF WORKROOM	260	LEVEL 02	OFFICE	N/A	7	0	5	35	0.06	15.6	50.6	0.8	63	82	85	1600	22%	0	0	0	0
	109	MEETING ROOM	152	LEVEL 02	CONFERENCE ROOMS	N/A	4	0	5	20	0.06	9.1	29.1	0.8	36	47	50			0	0	0	0
VRF-8, VRF-9	107	TEEN SPACE/ADULT READING ROOM	1387	LEVEL 02	LIBRARY	10	14	0	5	70	0.12	166.4	236.4	0.8	296	384	400	2000	20%	0	0	0	0
VRF-10, VRF-11	105	CHILDREN'S READING ROOM	1084	LEVEL 02	LIBRARY	N/A	20	0	5	100	0.12	130.1	230.1	0.8	288	374	400	2000	20%	0	0	0	0
VRF-12	102	CIRCULATION DESK	998	LEVEL 02	LIBRARY	10	10	0	5	50	0.12	119.8	169.8	0.8	212	276	280	2000	23%	0	0	0	0
VRF-13	009	IT	34	LEVEL 01	UNOCCUPIED IT	0	0	0	0	0	0.00	0.0	0.0	0.8	0	0	0	0	0%	0	0	0	0
N/A	011	MECHANICAL	259	LEVEL 01	UNOCCUPIED MECHANICAL	0	0	0	0	0	0.00	0.0	0.0	0.8	0	0	0	0	0%	0	0	0	0
	013	STORAGE	65	LEVEL 01	UNOCCUPIED STORAGE	0	0	0	0	0	0.00	0.0	0.0	0.8	0	0	0	0	0%	0	0	0	0
	101	VESTIBULE	142	LEVEL 02	ENTRY VESTIBULE	NATURALLY VENTILATED PER SECTION 402 OF THE 2018 IMC.																	
	103	CHILDREN'S RR	49	LEVEL 02	RESTROOM	0	0	1	0	0	0	0	0	0	0	0	0	0	0%	0	50	50	50
	106	ADA RR	80	LEVEL 02	RESTROOM	0	0	1	0	0	0	0	0	0	0	0	0	0	0%	0	50	50	50
	112	ENTRY STAIR	131	LEVEL 01	ENTRY VESTIBULE	NATURALLY VENTILATED PER SECTION 402 OF THE 2018 IMC.																	

NOTE: CALCULATIONS BASED ON SECTION 403 OF THE 2018 INTERNATIONAL MECHANICAL CODE (IMC). WHERE NUMBER OF OCCUPANTS SHOW AS "N/A", THE NUMBER OF OCCUPANTS DETERMINED BY THE ARCHITECTURAL FURNITURE PLAN.

ASHRAE 15 REFRIGERANT CALCUALTIONS

	ASHRAE 15 REFRIGERANT LIMIT CALCULATIONS								MEDIATIONS			TRANSFER AIR OPENING CALC			
OUTDOOR UNIT	INDOOR UNIT	Mrel (lbs)	SPACE OF UNIT LOCATION AND SPACES SERVED BY UNIT	AREA (SF)	ROOM HEIGHT (INCLUDING PLENUM WHERE APPLICABLE) (FT)	SPACE VOLUME (CF)	LBS/CF	ABOVE LFL (YES/NO)	FACTORY REFRIGERANT LEAK DETECTOR REQUIRED?	ABOVE REFRIG CONC. LIMIT?	TRANSFER AIR GRILLE REQUIRED?	Mroom (LBS)	Mrel (LBS)	TRANS. AIR SIZE REQD (SF)	TRANS. AIR SIZE PROVIDED (SF)
CU-1	VRF-1	6.10	003 MEDIUM MEETING (CHILDREN'S LUNCH) ROOM	411	9	3699	0.0016	NO	YES	NO	NO	-	-	-	-
	VRF-2	6.10	004 STAFF LOUNGE	242	9	2178	0.0028	NO	YES	NO	NO	-	-	-	-
			004A STAFF RESTROOM	65	9	585	0.0104	NO		NO	NO	-	-	-	2.25
			004B ADA RESTROOM	79	9	711	0.0086	NO		NO	NO	-	-	-	2.25
			006 OFFICE	145	9	1305	0.0047	NO		NO	NO	-	-	-	-
	VRF-3	6.10	001 CORRIDOR	470	9	4230	0.0014	NO	YES	NO	NO	-	-	-	-
			007 CORRIDOR	179	9	1611	0.0038	NO		NO	NO	-	-	-	-
			010 OUTDOOR PROGRAM STORAGE	146	9	1314	0.0046	NO		NO	NO	-	-	-	2.25
			012 STORAGE	281	9	2529	0.0024	NO		NO	NO	-	-	-	-
	VRF-4	6.91	014 LARGE MEETING ROOM	1713	9	15417	0.0004	NO	YES	NO	NO	-	-	-	-
	VRF-5	6.91	014 LARGE MEETING ROOM	1713	9	15417	0.0004	NO	YES	NO	NO	-	-	-	-
	VRF-6	9.46	010 OUTDOOR PROGRAM STORAGE	146	9	1314	0.0072	NO	YES	NO	NO	-	-	-	2.25
			104 COMPUTERS/108 STAFF WORKROOM/109 MEETING ROOM	889	26	6734	0.0014	NO		NO	NO	-	-	-	-
CU-2	VRF-7	10.53	011 MECHANICAL	259	9	2331	0.0045	NO	YES	NO	NO	-	-	-	-
			104 COMPUTERS/108 STAFF WORKROOM/109 MEETING ROOM	889	26	23114	0.0005	NO		NO	NO	-	-	-	-
	VRF-8	10.53	001 CORRIDOR	470	9	4230	0.0025	NO	YES	NO	NO	-	-	-	-
			107 TEEN SPACE/ADULT READING ROOM	1387	26	36062	0.0003	NO		NO	NO	-	-	-	-
	VRF-9	10.53	014A FURN STORAGE	46	9	414	0.0254	YES	YES	YES	YES	2.20	10.53	1.33	20.00
			107 TEEN SPACE/ADULT READING ROOM	1387	26	36062	0.0003	NO		NO	NO	-		-	-
	VRF-10	10.53	014 LARGE MEETING ROOM	1713	9	15417	0.0007	NO	YES	NO	NO	-		-	-
			105 CHILDREN'S READING ROOM	1084	26	28184	0.0004	NO		NO	NO	-		-	-
CU-3	VRF-11	10.53	014 LARGE MEETING ROOM	1713	9	15417	0.0007	NO	YES	NO	NO	-		-	-
			105 CHILDREN'S READING ROOM	1084	26	28184	0.0004	NO		NO	NO	-		-	-
	VRF-12	10.53	101 VESTIBULE	142	16	2272	0.0046	NO	YES	NO	NO	-		-	-
			102 CIRCULATION DESK	998	40	39920	0.0003	NO		NO	NO	-		-	-
	VRF-13	3.13	009 IT	34	9	306	0.0102	NO	NO	NO	NO	-	-	-	2.25
CU-1	BS-1	46.08	012 STORAGE	281	9	2529	0.0182	NO	YES	NO	NO	-	-	-	6.00
CU-2	BS-2	48.50	012 STORAGE	281	9	2529	0.0192	YES	YES	YES	YES	12.14	48.50	5.82	
CU-3	BS-3	45.86	012 STORAGE	281	9	2529	0.0181	NO	YES	NO	NO	-	-	-	

NOTES: R-32 REFRIGERANT SPECIFIED FOR VRF SYSTEM. THE LOWER FLAMMABILITY LIMIT (LFL) OF R-32 IS 0.0191 LBS/CF AND THE RELATIVE MOLAR MASS (M) IS 52.02. THE REQUIRED TRANSFER AIR VENT SIZE IS CALCULATED PER PROCEDURE OUTLINE IN SECTION 7.2.3.2.2 IN ASHRAE 15-2024.

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ANASTACIA MICHIGAN ENGINEER PE092368

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
MECHANICAL SCHEDULES 2

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10
DATE: 04/09/2026
SCALE: AS NOTED
DRAWN BY: AM
CHECKED BY: DM

DRAWING NO.
M6.1

REV.:

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

GENERAL NOTES:

1. ALL SYMBOLS AND ABBREVIATIONS MAY NOT APPLY TO THIS PROJECT.
2. BOUNDARY LINES SHOWN ON THE DRAWINGS DO NOT LIMIT THE SCOPE OF WORK FOR THE PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NOTED ON THE DRAWINGS.
3. CONTRACTOR SHALL COMPLY WITH ALL REGULATIONS AND LAWS OF AUTHORITIES HAVING JURISDICTION.
4. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD LOCATE AND IDENTIFY ALL UNDERGROUND UTILITIES WITHIN THE CONSTRUCTION AREA, WHETHER INDICATED ON DRAWINGS OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO UNDERGROUND UTILITIES DAMAGED DURING CONSTRUCTION. NO REIMBURSEMENT WILL BE ALLOWED FOR UTILITY REPAIR/OR REPLACEMENT.
5. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ENGINEER AT ONCE OF ANY DISCREPANCIES.
6. ALL PENETRATION THROUGH DESIGNATED FIRE RATED WALLS, CEILINGS AND FLOOR SLABS (WHICH ARE 2-HOUR RATED) SHALL BE PROPERLY SEALED WITH AN APPROVED RATED FIRE AND SMOKE STOPPING MATERIAL. ALL FIRE AND SMOKE STOPPING MATERIAL SHALL BE SUPPLIED AND WORK PERFORMED AS PER PROJECT SPECIFICATIONS. CONTRACTOR SHALL SUBMIT MANUFACTURER'S CATALOG DATA AND INSTALLATION DETAIL AS PER SPECIFICATIONS FOR FIRE AND SMOKE STOPPING TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR INSTALLATION.
7. THE CONTRACTOR SHALL NOT BE ALLOWED ANY STORAGE AREA OTHER THAN THAT AVAILABLE WITHIN THE LIMITS OF THE STAGING AREA, CONFINES OF THE WORK AREA, OR AS DESIGNATED BY THE OWNER.
8. ALL MATERIALS SHALL COMPLY WITH APPLICABLE CODES, ORDINANCES AND REGULATIONS.
9. A COPY OF THE CURRENT SET OF CONTRACT DOCUMENTS (WITH AS-BUILT INFORMATION) SHALL BE KEPT AT THE JOB SITE AT ALL TIMES BY THE CONTRACTOR.
10. EACH CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS OF ALL TRADES FOR A THOROUGH UNDERSTANDING OF PROJECT AND ANY CROSS REFERENCING OF WORK. REVIEW ALL PROJECT REQUIREMENTS PRIOR TO BIDDING. IN CASE OF DISCREPANCIES, THE MOST STRINGENT SHALL GOVERN.
11. THE CONTRACTOR SHALL GUARANTEE THE ENTIRE INSTALLATION FOR A PERIOD OF ONE YEAR (EXCEPT WHERE EXTENSIONS OF THIS ONE YEAR PERIOD ARE NOTED) FROM THE DATE OF ACCEPTANCE OF THE SYSTEM AS A WHOLE. ANY DEFECTS, IN WORKMANSHIP, MATERIALS, MALFUNCTION OF EQUIPMENT OR UNSATISFACTORY PERFORMANCE, AND ALL OTHER WORK OR PARTS OF THE BUILDING DAMAGED THEREBY, AS A RESULT OF THE WORK OF THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PAY ALL REPAIR COSTS ACCORDINGLY WITHOUT ADDITIONAL COSTS TO OWNER.
12. IN ADDITION TO SPECIFICATIONS, AS MAY BE DEFINED HEREAFTER, THE CONTRACTOR SHALL PROTECT THE WORK SITE AND ALL HIS OR HER WORK AGAINST ANY DAMAGE (INCLUDING BUT NOT LIMITED TO WATER, DUST, HEAT, FREEZING, ETC.) UNTIL FINAL COMPLETION AND ACCEPTANCE BY THE OWNER.
13. CONTRACTOR SHALL, UPON COMPLETION OF THE WORK, SUBMIT AS-BUILT RECORD DRAWINGS SHOWING ALL CHANGES FROM THE CONTRACT DRAWINGS MADE IN THE INSTALLATION, AND SHOWING DIMENSION LOCATIONS OF CONCEALED EQUIPMENT. CONTRACTOR SHALL ALSO PROVIDE INSPECTION REPORT.
14. PRIOR TO DELIVERY OF ANY MATERIALS TO THE SITE, THE CONTRACTOR SHALL PROVIDE MATERIAL SAFETY DATA SHEETS FOR ALL ITEMS AND MATERIALS USED IN THIS WORK.
15. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL CAPACITIES AND LOCATIONS OF EQUIPMENT TO BE REMOVED. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE TO DETERMINE ACTUAL PHYSICAL SIZE, CAPACITIES, AND LOCATIONS OF EXISTING EQUIPMENT TO BE REMOVED.
16. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, COORDINATE ALL REQUIRED EQUIPMENT AND SYSTEMS SHUTDOWN WITH OWNER, AND PROVIDE OWNER TWO WEEKS NOTICE OF THE SAME.
17. COORDINATE DEMOLITION WORK WITH ALL OTHER TRADES. PHASE WORK IN CONJUNCTION WITH OTHER TRADE PHASING AND PHASING DRAWINGS.
18. CONTRACTOR SHALL FIELD VERIFY OTHER EQUIPMENT/UTILITIES NOT ASSOCIATED WITH THIS WORK BUT LYING WITHIN THE WORK AREA, AND WILL NOT DISTURB THOSE EQUIPMENT/UTILITIES. THOSE EQUIPMENT/UTILITIES SHALL BE PROTECTED SO THAT THE SERVICE IS NOT INTERRUPTED. CONTRACTOR SHALL REPAIR ANY DAMAGE DONE TO THE EQUIPMENT/UTILITIES IN PERFORMANCE OF THE WORK.
19. CONTRACTOR SHALL KEEP WORK AREA CLEAN, ORDERLY, AND WORKMAN LIKE, AND REMOVE ALL DEMOLISHED TRASH/ RUBBLE/CONSTRUCTION DEBRIS ON A DAILY BASIS FROM THE WORK AREA AND OFF OWNERS PROPERTY. ALL TRASH/RUBBLE/CONSTRUCTION DEBRIS DEEMED AS HAZARDOUS WASTE/MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH EPA OR ANY OTHER PERTINENT GOVERNING AGENCY AND DISPOSED OF ACCORDINGLY AT AN APPROVED HAZARDOUS WASTE DUMPSITE WITH ALL OF THE APPROVED/REQUIRED DOCUMENTATION.
20. ALL EXISTING ABANDONED PIPING OR PIPING MADE ABANDONED BY THE WORK OF THIS PROJECT SHALL BE REMOVED FROM WITHIN THE PROJECT BOUNDARIES. CUT AND CAP PIPING BACK TO A POINT 6" BEYOND (OUTSIDE OF) THE PROJECT BOUNDARIES, UNLESS OTHERWISE NOTED ON THE DRAWINGS. PROVIDE CUTTING AND PATCHING OF ALL CEILINGS, FLOORS, AND WALLS AS REQUIRED.
21. PRIOR TO ACCEPTANCE OF THE SPACE, ALL SYSTEMS SHALL BE TESTED, BALANCED, AND OPERATED TO DEMONSTRATE TO THE OWNNER , OR HIS OR HER DESIGNATED REPRESENTATIVE, THAT THE INSTALLATION AND PERFORMANCE OF THESE SYSTEMS AND/OR PARTS THEREOF CONFORM TO THE DESIGN INTENT.
22. JUNCTION BOXES OR ANY EQUIPMENT REQUIRING CEILING ACCESS SHALL ONLY BE PERMITTED/LOCATED IN ACCESSIBLE TYPE CEILING AREAS (I.E, LAY-IN TYPE CEILING) OR WHERE ACCESS PANELS HAVE BEEN LOCATED. REFER TO ARCHITECTURAL DRAWINGS.
23. COORDINATE WITH GENERAL CONTRACTOR FOR ITEMS SUCH AS ONE-CALL NOTIFICATIONS.

PLUMBING GENERAL NOTES:

1. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL STATE AND LOCAL APPLICABLE CODES.
2. CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE PIPING SYSTEM TO ALL FIXTURES AND/OR EQUIPMENT REQUIRING SUCH. VERIFY ALL ROUGH-IN LOCATIONS AND COORDINATE PIPING LOCATIONS WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID CONFLICTS.
3. CONTRACTORS SHALL SECURE AND PAY FOR ALL PERMITS, INSPECTION CERTIFICATES, ETC. REQUIRED UNDER THE PROJECT SCOPE.
4. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS AND/OR POTENTIAL PROBLEMS OBSERVED PRIOR TO CONTINUING WORK.
5. DO NOT SCALE THE PLANS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF DOORS, WINDOWS, FIXTURES, WALL DIMENSIONS, ETC.
6. CONTRACTOR SHALL GIVE SUITABLE NOTICE TO ALL APPLICABLE UTILITY COMPANIES AND OWNER PRIOR TO PERFORMING WORK INVOLVING UTILITIES.
7. ALL EQUIPMENT SHALL BE HANDLED, STORED, AND PROTECTED TO PREVENT DAMAGE BEFORE AND DURING INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
8. ALL EQUIPMENT, ETC, SHALL BE SO LOCATED AND INSTALLED IN A READILY ACCESSIBLE LOCATION SO AS TO PERMIT ACCESS FOR SERVICE WITHOUT DAMAGE TO BUILDING OR FINISHED MATERIALS, PER MANUFACTURER'S INSTRUCTION AND APPLICABLE CODES.
9. CONTRACTOR SHALL SUPPLY ACCESS DOORS FOR ACCESS TO EACH CONCEALED VALVE, PIECE OF EQUIPMENT, ETC. ACCESS DOORS SHALL BE HANDED OVER TO THE GC FOR INSTALLATION.
10. ALL MATERIAL SHALL BE NEW AND FIT THE SPACE AVAILABLE. VERIFY DIMENSIONS AT SITE.
11. ALL PIPING, APPARATUS, EQUIPMENT, ETC. SHALL BE PROPERLY SUPPORTED, BRACED VERTICALLY AND HORIZONTALLY IN ACCORDANCE WITH APPLICABLE CODES AND AS REQUIRED TO PREVENT EXCESSIVE MOVEMENT DURING SEISMIC CONDITIONS.
12. VALVES AND FITTINGS SHALL BE OF THE SAME SIZE AS THE PIPING FOR WHICH THEY ARE INSTALLED, UNLESS OTHERWISE NOTED.
13. STERILIZE DOMESTIC WATER PIPING IN ACCORDANCE WITH HEALTH DEPARTMENT REGULATIONS.
14. ALL SANITARY PIPING SHALL BE PITCHED IN ACCORDANCE WITH APPLICABLE CODE.
15. WATER PIPING SHALL NOT BE RUN IN AREAS SUBJECT TO FREEZING TEMPERATURES UNLESS OTHERWISE NOTED. WATER PIPING IN EXTERIOR WALLS SHALL BE RUN ON THE SIDE OF THE WALL INSULATION THAT BORDERS THE CONDITIONED SPACE.
16. PROVIDE DRAIN VALVES AT ALL LOW POINTS OF DOMESTIC WATER SYSTEMS FOR COMPLETE DRAINAGE AND INDICATE LOCATION OF SAME ON RECORD DRAWINGS.
17. PROVIDE VACUUM BREAKERS AND WATER HAMMER ARRESTORS AS REQUIRED BY CODE.
18. CONTRACTOR SHALL VERIFY AND CORRECT SYSTEMS AS REQUIRED TO MEET ALL CODES AND REGULATIONS AND VERIFY AND CORRECT ANY AND ALL POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTIONS SPECIFIED IN THE EQUIPMENT SCHEDULES AND EQUIPMENT ACTUALLY INSTALLED.
19. ALL PIPING SHALL BE ROUTED AS TO BE CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES, EXCEPT FINAL CONNECTIONS TO FIXTURES, OR IN MECHANICAL ROOMS, UNLESS SPECIFICALLY NOTED OTHERWISE.
20. CONTRACTOR SHALL VERIFY EXACT INVERT ELEVATIONS OF EXISTING PIPING TO WHICH NEW PIPING IS TO BE CONNECTED BEFORE INSTALLATION OF NEW PIPING.
21. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF ALL EQUIPMENT SHOWN ON PLANS, INCLUDING COORDINATION OF ANY EQUIPMENT OF ALTERNATIVE MANUFACTURER. CONTRACTOR SHALL PROVIDE COMPOSITE DRAWINGS AS REQUIRED FOR INSTALLATION OF EQUIPMENT SHOWN ON PLAN FOR APPROVAL BY ENGINEER.
22. ALL ROOF ACCESSORIES SHALL BE COMPATIBLE WITH ROOFING SYSTEMS AND PRE-ENGINEERED BUILDINGS AS REQUIRED.
23. CONTRACTOR SHALL BECOME FAMILIAR WITH ALL CONDITIONS AFFECTING THIS PROJECT AND COORDINATE WITH ALL OTHER DISCIPLINES.
24. CONTRACTOR SHALL SCOPE SANITARY PIPING AFTER CONSTRUCTION, PROVIDE A SCOPING REPORT, AND JET THE PIPE IF ANY DEBRIS IS FOUND.
25. ROOF TO BE REPAIRED IMMEDIATELY UPON VENT REPLACEMENT OR NEW VENT INSTALLATION AND COORDINATED WITH MANUFACTURER'S WARRANTY. ATTIC STOCK OF CUSTOM TILES ARE AVAILABLE FOR CONTRACTOR'S USE.

APPLICABLE CODES:

1. 2018 PHILADELPHIA PLUMBING CODE.
   A. DOMESTIC WATER IS SIZED PER CHAPTER 6.
   B. SANITARY AND VENT PIPING IS SIZED PER SECTION P-919 PHILADELPHIA SINGLE STACK WASTE AND VENT SYSTEM.
2. 2018 INTERNATIONAL FUEL GAS CODE, WITH LOCAL AMENDMENTS.
3. 2018 PHILADELPHIA EXISTING BUILDING CODE.
4. 2018 PHILADELPHIA BUILDING CODE.
5. 2018 PHILADELPHIA ENERGY CONSERVATION CODE.

PIPE RISER DESIGNATIONS:

W / #	WATER RISER
C / #	DOMESTIC COLD WATER RISER
H / #	DOMESTIC HOT WATER RISER
R / #	DOMESTIC HOT WATER RETURN RISER
S / #	SANITARY WASTE RISER
V / #	SANITARY VENT RISER
R / #	STORM WATER RISER

GENERAL SYMBOLS:

? DETAIL # / ? SHEET #	DETAIL TAG
? SECTION # / ? SHEET #	SECTION TAG
? EQUIP TYPE / ? EQUIP #	EQUIPMENT TAG
?.? FIXTURE TYPE / ? FIXTURE #	FIXTURE TAG
	POINT OF CONNECTION
	POINT OF DISCONNECTION

PLAN EXAMINER STAMP AREA:

PLUMBING SYMBOLS:

- AUTOMATIC AIR VENT
- AUTOMATIC FLOW CONTROL VALVE
- BFP — BACK FLOW PREVENTOR
- BALANCING VALVE WITH TEST PORTS
- BLIND FLANGE
- BOTTOM CONNECTION
- CAPPED PIPE
- CHECK VALVE
- CLEAN OUT
- CONCENTRIC REDUCER
- DIRECTION OF FLOW
- ECCENTRIC REDUCER
- EMERGENCY EYEWASH
- S — EMERGENCY SHOWER
- S — EMERGENCY EYEWASH & SHOWER COMBINED
- EXPANSION COMPENSATOR
- FLANGED CONNECTION
- FLEXIBLE CONNECTION
- FLOW MEASURING DEVICE
- FLOW METER
- FLOOR DRAIN
- FLOOR CLEAN OUT
- GLOBE VALVE
- MANUAL AIR VENT
- MOTORIZED VALVE (SEE SPECIFICATIONS FOR TYPE)
- PRESSURE/TEMPERATURE TEST PLUG
- PIPE ANCHOR
- PIPE HEAT TRACING ELEMENT
- PIPE GUIDE
- PIPE TURNING UP
- PIPE TURNING DOWN
- PITCH
- PRESSURE REDUCING VALVE
- PRESSURE RELIEF VALVE
- PRESSURE GAUGE WITH GAUGE COCK
- GATE VALVE
- BALL VALVE
- STRAINER
- STRAINER AND DRAIN VALVE W/ HOSE CONN.
- THERMOMETER
- THERMOSTATIC RADIATOR VALVE
- UNION
- TOP CONNECTION
- VACUUM BREAKER
- WALL CLEANOUT
- PUMP
- PUMP W/ BASIN
- HOSE BIBB
- WALL HYDRANT
- ROOF HYDRANT
- OPEN SIGHT DRAIN
- OSD — OPEN SIGHT DRAIN W/ TRAP
- PRZ — PRESSURE REDUCING ZONE
- OPEN SIGHT DRAIN
- REDUCER
- ELBOW

PIPING LEGEND:

— – — – — – —	DOMESTIC COLD WATER
— – — – — – —	DOMESTIC HOT WATER
——— – – – ———	DOMESTIC HOT WATER RETURN
— · — · — · — · —	NON-POTABLE WATER
———	SANITARY
– – – – – – – –	VENT
———	STORM, GAS (REFER TO TAG)

ABBREVIATIONS:

ABV	ABOVE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFWH	ANTI-FREEZE WALL HYDRANT
AG	AIR GAP
AHJ	AUTHORITIES HAVING JURISDICTION
AP	ACCESS PANEL
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
AV	ACID VENT
AW	ACID WASTE
BFP	BACK FLOW PREVENTER
BFF	BELOW FINISHED FLOOR
BHP	BRAKE HORSE POWER
BLW	BELOW
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT(S)
CA	COMPRESSED AIR
CD	CONDENSATE DRAIN
CI	CAST IRON
CL	CENTERLINE
CM	CONSTRUCTION MANAGER
CO	CLEANOUT
COND	CONDENSATE
CONT	CONTINUED
CP	CONDENSATE PUMP
CS	CEILING SUPPORT
CV	CONTROL VALVE
CW	DOMESTIC COLD WATER
CWFU	COLD WATER FIXTURE UNITS
(D)	DEMOLITION
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNITS
DIA	DIAMETER
DN	DOWN
DS	DOWNSPOUT
DWH	DOMESTIC WATER HEATER
(E)	EXISTING
EC	ELECTIRCAL CONTRACTOR
EP	EJECTOR PUMP
EPD	EJECTRO PUMP DISCHARGE
EQUIP	EQUIPMENT
ERD	EMERGENCY ROOF DRAIN
ESD	EMERGENCY STORM DRAIN
ESH	EMERGEMCY SHOWER
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWS	EMERGENCY WASH STATION
(ER)	EXISTING TO REMAIN
FCO	FLOOR CLEANOUT
FD	FLLOR DRAIN
FLA	FULL LOAD AMPS
FS	FLOOR SINK
FU	FIXTURE UNITS
G	NATURAL GAS
GAL	GALLONS
GPM	GALLONS PER MINUTE
GT	GREASE TRAP
GWH	GAS-FIRED HOT WATER HEATER
HB	HOSE BIBB
H&CW	HOT AND COLD WATER
HP	HORSEPOWER
HS	HAND SINK
HT	HEAT TRACE
HTT	HEAT TRACE TAPE
HW	DOMESTIC HOT WATER
HWFU	HOT WATER FIXTURE UNITS
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IMC	INTERNATIONAL MECHANICAL CODE
IN	INCHES
INV EL	INVERT ELEVATION
IPC	INTERNATIONAL PLUMBING CODE
IW	INDIRECT WASTE
KS	KITCHEN SINK
KW	KILOWATTS
HTG	HEATING
HTHWR	HIGH TEMPERATURE HOT WATER RETURN
HTHWS	HIGH TEMPERATURE HOT WATER SUPPLY
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HX	HEAT EXCHANGER
IEER	INTEGRATED ENERGY EFFICIENCY RATIO
IN	INCH
IN WG	INCHES WATER GAGE
INV EL	INVERT ELEVATION
J	PIPE JOINT
JAN	JANITOR'S
KW	KILOWATTS
LAV	LAVATORY
M	METERS
MAV	MANUAL AIR VENT
MC	MECHANICAL CONTRACTOR
MFR	MANUFACTURER
MH	MANHOLE
MOCP	MAXIMUM OVERCURRENT PROTECTION
MR	MOP RECEPTOR
N2O	NITROUS OXIDE
(N)	NEW
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN (FAIL SAFE OPEN)
NPW	NON-POTABLE WATER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
OFS	OVERFLOW SPOUT
OS&Y	OUTSIDE SCREW AND YOLK
OWS	OIL/WATER SEPARATOR
P	PUMP
PC	PLUMBING CONTRACTOR
PD	PUMP DISCHARGE
PHT	PIPE HEAT TRACE
PG	PRESSURE GAUGE
PHTP	PIPE HEAT TRACE PANEL
POC	POINT OF CONNECTION
PRV	PRESSURE REDUCING VALVE
PRZ	PRESSURE REDUCING ZONE
PW	POTABLE WATER
PWD	PHILADELPHIA WATER DEPARTMENT
(RE)	RELOCATED EXISTING
RAC	RUN ABOVE CEILING
RBF	RUN BELOW FLOOR
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
RH	ROOF HYDRANT
RL	ROOF LEADER
RP	RECIRCULATION PUMP
RWL	RAIN WATER LEADER
S	SANITARY STACK
SA	SHOCK ABSORBER
SAN	SANITARY
SCD	SCUPPER DRAIN
SD	STORM DRAIN
SFU	SUPPLY FIXTURE UNITS
SH	SHOWER
SI	SOLIDS INTERCEPTOR
SK	SINK
SMH	SANITARY MANHOLE
SP	SUMP PUMP
SPECS	SPECIFICATIONS
SS	STAINLESS STEEL
SSM	SANITARY SEWER MANHOLE
STD	STANDARD
SW	STORM WATER
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TMV	THERMOSTATIC MIXING VALVE
TP	AUTOMATIC TRAP PRIMER
TSFU	TOTAL SUPPLY FIXTURE UNITS
TYP	TYPICAL
UF	UNDER FLOOR
UG	UNDER GROUNG OR UNDER SLAB
UON	UNLESS OTHERWISE NOTED
UR	URINAL
V	VENT
V/Ø/HZ	VOLTS/PHASE/HERTZ
VB	VACUUM BREAKER
VS	VENT STACK
VT	VENT TERMINATOR
VTR	VENT THROUGH ROOF
W	WASTE
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WCO	WALL CLEANOUT
WG	WATER GAUGE
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WMB	WASHING MACHINE OUTLET BOX

PIPING SCHEDULE

SERVICE	SIZE	PIPE TYPE	JOINING METHOD	MAXIMUM HORIZONTAL HANGER SPACING (FT)	MAXIMUM VERTICAL HANGER SPACING (FT)
UNDERGROUND DOMESTIC WATER	ALL SIZES	COPPER TYPE K	SOLDERED	N/A	N/A
ABOVEGROUND DOMESTIC WATER	ALL SIZES	COPPER TYPE L	SOLDERED OR PRESSURE SEALED	12	10
UNDERGROUND SANITARY AND VENT	ALL SIZES	SERVICE WEIGHT CAST IRON HUB AND SPIGOT	LEAD AND OAKUM	N/A	N/A
ABOVEGROUND SANITARY AND VENT	2" AND SMALLER	DWV COPPER	SOLDERED	12	10
ABOVEGROUND SANITARY	2-1/2" AND LARGER	SERVICE WEIGHT CAST IRON HUBLESS	HEAVY DUTY HUBLESS PIPING COUPLINGS	5	15

REVISIONS

ISSUE	DATE	REVISIONS

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — DONNA A. GUZEWSKI — ENGINEER — No. 041816 — PENNSYLVANIA

Donna Guzewski — Digitally signed by Donna Guzewski. Reason: I have reviewed this document. Date: 2026.03.13 10:25:29-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

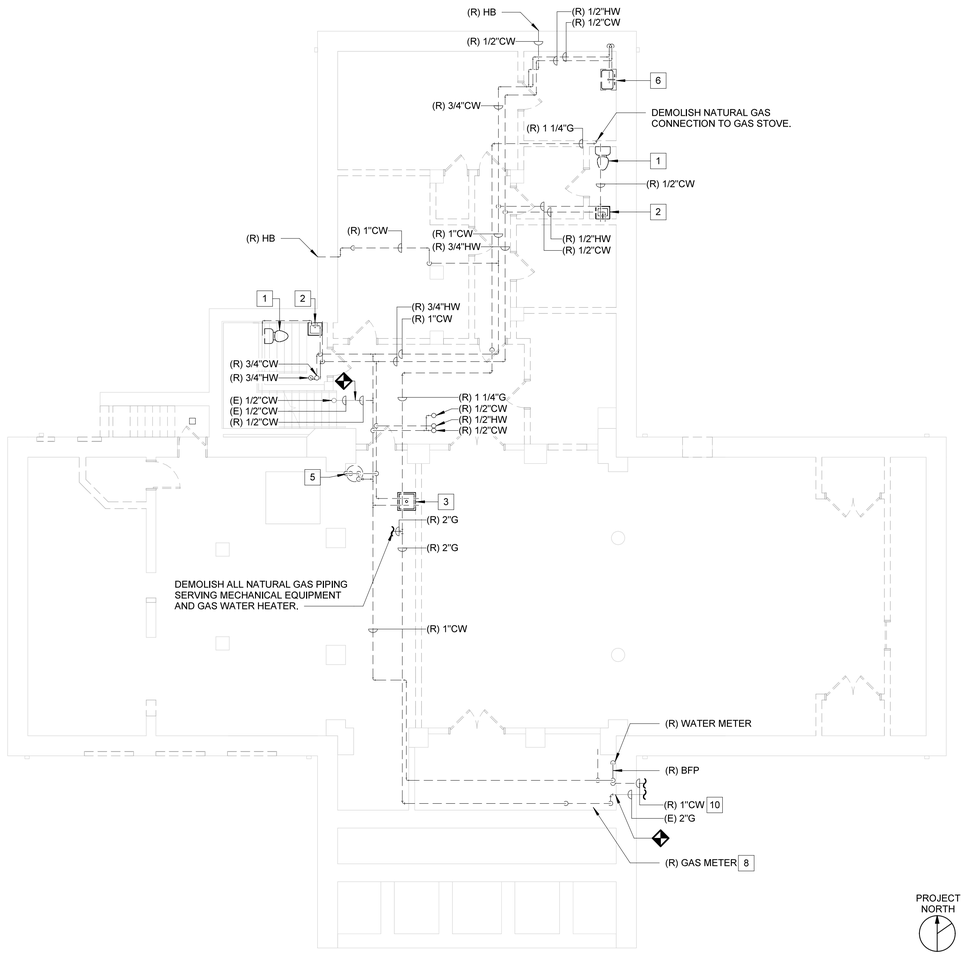
CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

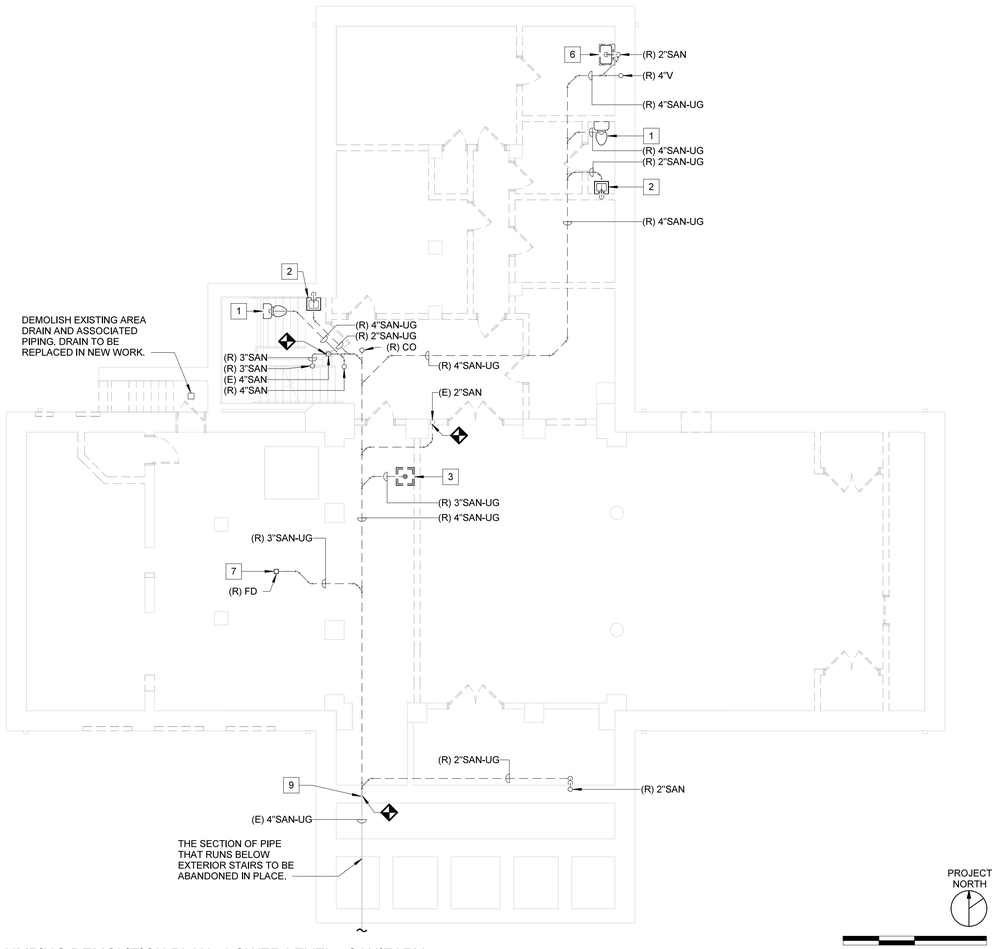
DRAWING TITLE
PLUMBING GENERAL NOTES, SYMBOLS & ABBREVIATIONS

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10
DATE: 04/09/2026
SCALE: AS NOTED
DRAWN BY: ED
CHECKED BY: DG
DRAWING NO.: P0.0

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



1 PD2.1 PLUMBING DEMOLITION PLAN - LOWER LEVEL - DOMESTIC WATER
1/8" = 1'-0"



2 PD2.1 PLUMBING DEMOLITION PLAN - LOWER LEVEL - SANITARY
1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. REFER TO SHEET P0.0 FOR PLUMBING GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS.

KEY NOTES:

NOT ALL DEMOLITION NOTES MAY APPEAR ON THIS DRAWING SHEET.

1. DISCONNECT AND REMOVE EXISTING WATER CLOSET IN ITS ENTIRETY INCLUDING SANITARY PIPING, VENT PIPING, COLD WATER PIPING, FLUSH VALVES, TANK, CARRIER, SUPPORTS, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
2. DISCONNECT AND REMOVE EXISTING LAVATORY IN ITS ENTIRETY INCLUDING SUPPORTS, FAUCET, SANITARY PIPING, VENT PIPING, COLD WATER PIPING, HOT WATER PIPING, AND ACCESSORIES, TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
3. DISCONNECT AND REMOVE EXISTING SERVICE SINK IN ITS ENTIRETY INCLUDING SUPPORTS, FAUCET, SANITARY PIPING, VENT PIPING, COLD WATER PIPING, HOT WATER PIPING, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
4. DISCONNECT AND REMOVE EXISTING ELECTRIC WATER COOLER IN ITS ENTIRETY INCLUDING SUPPORTS, FAUCET, SANITARY PIPING, VENT PIPING, COLD WATER PIPING, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
5. DISCONNECT AND REMOVE EXISTING GAS DOMESTIC WATER HEATER IN ITS ENTIRETY INCLUDING SUPPORTS, COLD WATER PIPING, HOT WATER PIPING, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
6. DISCONNECT AND REMOVE EXISTING SINK IN ITS ENTIRETY INCLUDING SUPPORTS, FAUCET, SANITARY PIPING, VENT PIPING, COLD WATER PIPING, HOT WATER PIPING, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
7. DISCONNECT AND REMOVE EXISTING FLOOR DRAIN IN ITS ENTIRETY INCLUDING SANITARY PIPING, VENT PIPING, COLD WATER PIPING, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
8. CUT AND CAP NATURAL GAS PIPE AT THE POINT AT WHICH IT ENTERS THE BUILDING. GAS SERVICE WILL NOT BE IN USE. REMOVE GAS METER. EXISTING GAS METER IS PROPERTY OF PHILADELPHIA GAS WORKS (PGW), AND DISCONNECTION OF EXISTING GAS SERVICES MUST BE COORDINATED WITH PGW
9. CUT AND CAP SANITARY PIPING. PIPE TO BE ABANDONED IN PLACE BENEATH THE EXTERIOR STAIRS..
10. DEMOLISH EXISTING 1" DOMESTIC WATER SERVICE TO INCREASE THE SERVICE SIZE AS PART OF THE NEW WORK. REMOVE EXISTING BFP AND WATER METER FOR REPLACEMENT IN NEW WORK. REFER TO CIVIL DRAWINGS FOR WATER SERVICE INFORMATION. EXISTING WATER METER IS PROPERTY OF THE PHILADELPHIA WATER DEPARTMENT (PWD), AND DISCONNECTION OF EXISTING WATER SERVICE MUST BE COORDINATED WITH PWD.
11. REMOVE EXISTING 2" VTR. EXISTING PENETRATION TO BE UTILIZED FOR THE NEW WORK.

REVISIONS

ISSUE	DATE	REVISIONS

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL DONNA A. GUZEWSKI ENGINEER No. 041818E

Donna Guzewski Digitally signed by Donna Guzewski Reason: I have reviewed this document Date: 2026.03.13 10:25:31-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

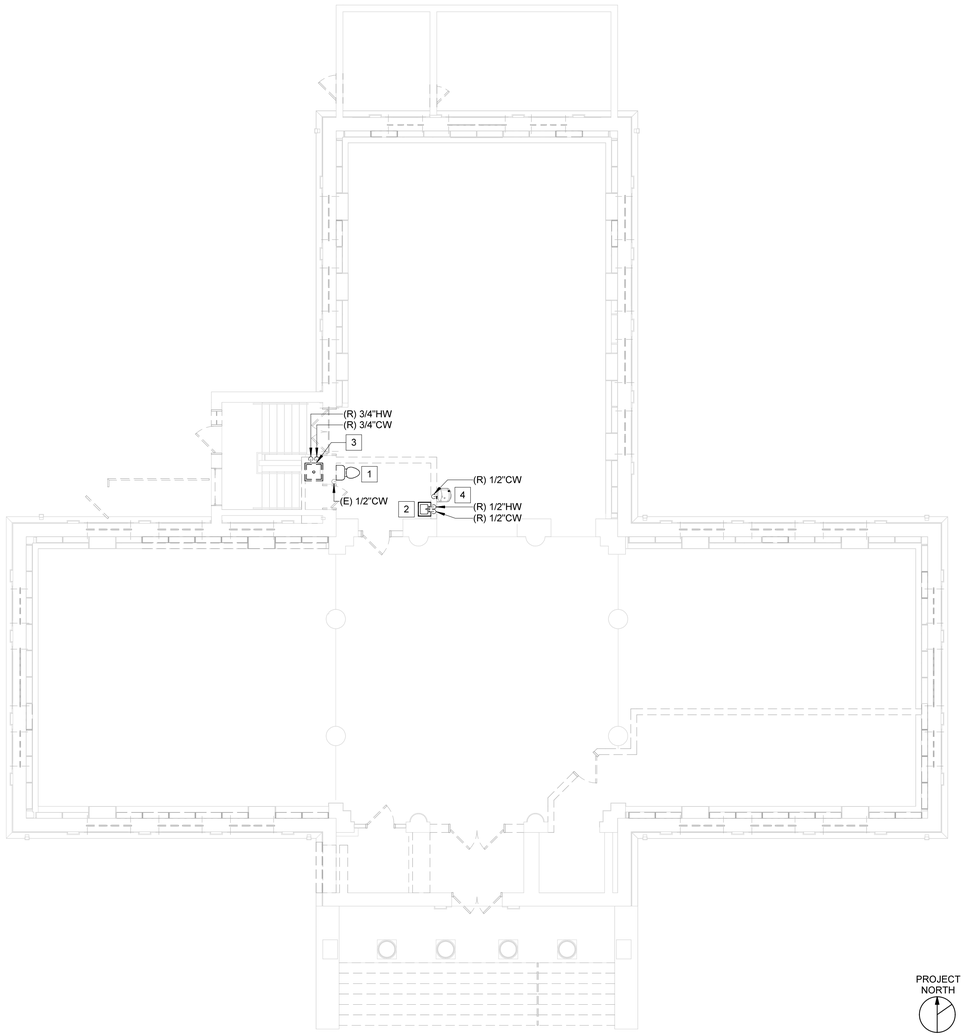
CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
PLUMBING DEMOLITION PLANS - LOWER LEVEL

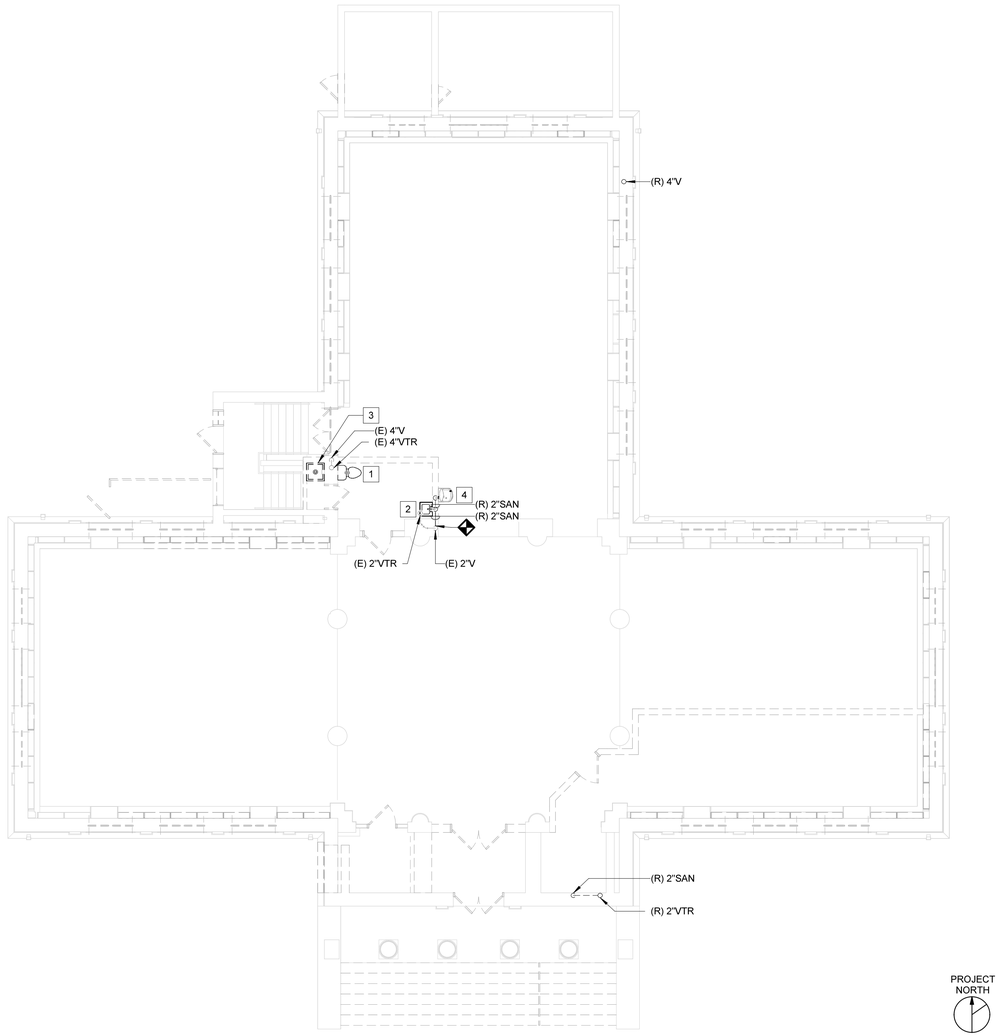
PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. PD2.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY ED	
CHECKED BY DG	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



1 PD2.2 1/8" = 1'-0"

PLUMBING DEMOLITION PLAN - ENTRY LEVEL - DOMESTIC WATER



2 PD2.2 1/8" = 1'-0"

PLUMBING DEMOLITION PLAN - ENTRY LEVEL - SANITARY

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. REFER TO SHEET P0.0 FOR PLUMBING GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS.

KEY NOTES:

NOT ALL DEMOLITION NOTES MAY APPEAR ON THIS DRAWING SHEET.

1. DISCONNECT AND REMOVE EXISTING WATER CLOSET IN ITS ENTIRETY INCLUDING SANITARY PIPING, VENT PIPING, COLD WATER PIPING, FLUSH VALVES, TANK, CARRIER, SUPPORTS, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
2. DISCONNECT AND REMOVE EXISTING LAVATORY IN ITS ENTIRETY INCLUDING SUPPORTS, FAUCET, SANITARY PIPING, VENT PIPING, COLD WATER PIPING, HOT WATER PIPING, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
3. DISCONNECT AND REMOVE EXISTING SERVICE SINK IN ITS ENTIRETY INCLUDING SUPPORTS, FAUCET, SANITARY PIPING, VENT PIPING, COLD WATER PIPING, HOT WATER PIPING, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
4. DISCONNECT AND REMOVE EXISTING ELECTRIC WATER COOLER IN ITS ENTIRETY INCLUDING SUPPORTS, FAUCET, SANITARY PIPING, VENT PIPING, COLD WATER PIPING, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
5. DISCONNECT AND REMOVE EXISTING GAS DOMESTIC WATER HEATER IN ITS ENTIRETY INCLUDING SUPPORTS, COLD WATER PIPING, HOT WATER PIPING, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
6. DISCONNECT AND REMOVE EXISTING SINK IN ITS ENTIRETY INCLUDING SUPPORTS, FAUCET, SANITARY PIPING, VENT PIPING, COLD WATER PIPING, HOT WATER PIPING, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
7. DISCONNECT AND REMOVE EXISTING FLOOR DRAIN IN ITS ENTIRETY INCLUDING SANITARY PIPING, VENT PIPING, COLD WATER PIPING, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS, REFER TO NEW WORK.
8. CUT AND CAP NATURAL GAS PIPE AT THE POINT AT WHICH IT ENTERS THE BUILDING. GAS SERVICE WILL NOT BE IN USE. REMOVE GAS METER. EXISTING GAS METER IS PROPERTY OF PHILADELPHIA GAS WORKS (PGW), AND DISCONNECTION OF EXISTING GAS SERVICES MUST BE COORDINATED WITH PGW
9. CUT AND CAP SANITARY PIPING. PIPE TO BE ABANDONED IN PLACE BENEATH THE EXTERIOR STAIRS..
10. DEMOLISH EXISTING 1" DOMESTIC WATER SERVICE TO INCREASE THE SERVICE SIZE AS PART OF THE NEW WORK. REMOVE EXISTING BFP AND WATER METER FOR REPLACEMENT IN NEW WORK. REFER TO CIVIL DRAWINGS FOR WATER SERVICE INFORMATION. EXISTING WATER METER IS PROPERTY OF THE PHILADELPHIA WATER DEPARTMENT (PWD), AND DISCONNECTION OF EXISTING WATER SERVICE MUST BE COORDINATED WITH PWD.
11. REMOVE EXISTING 2" VTR. EXISTING PENETRATION TO BE UTILIZED FOR THE NEW WORK.

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER DONNA A. GUZEWSKI No. 041818E

Donna Guzewski Digitally signed by Donna Guzewski Reason: I have reviewed this document Date: 2026.03.13 10:25:32-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
PLUMBING DEMOLITION PLANS - ENTRY LEVEL

PROJECT NO. [CITY	SMP] 52025-E-06-01 | 718.10	DRAWING NO. PD2.2
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY ED	
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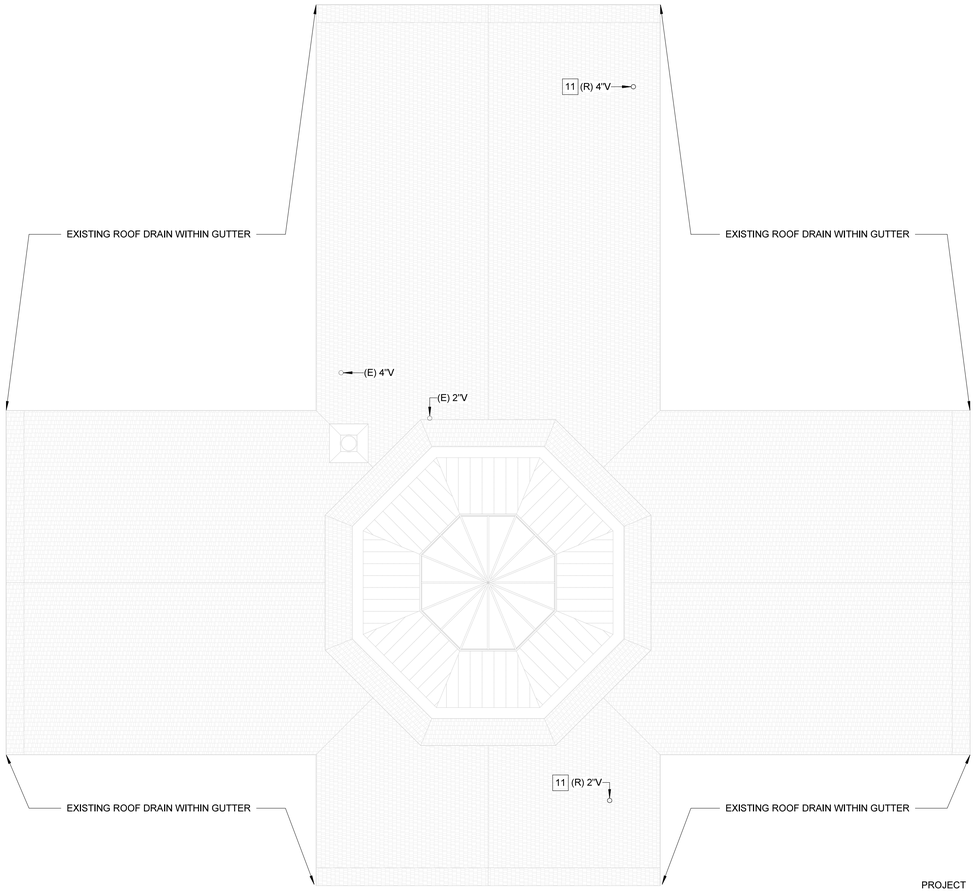

1 / PD2.3 PLUMBING DEMOLITION PLAN - ROOF - SANITARY

1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. REFER TO SHEET P0.0 FOR PLUMBING GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS.

KEY NOTES:

NOT ALL DEMOLITION NOTES MAY APPEAR ON THIS DRAWING SHEET.

1. DISCONNECT AND REMOVE EXISTING WATER CLOSET IN ITS ENTIRETY INCLUDING SANITARY PIPING, VENT PIPING, COLD WATER PIPING, FLUSH VALVES, TANK, CARRIER, SUPPORTS, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
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3. DISCONNECT AND REMOVE EXISTING SERVICE SINK IN ITS ENTIRETY INCLUDING SUPPORTS, FAUCET, SANITARY PIPING, VENT PIPING, COLD WATER PIPING, HOT WATER PIPING, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
4. DISCONNECT AND REMOVE EXISTING ELECTRIC WATER COOLER IN ITS ENTIRETY INCLUDING SUPPORTS, FAUCET, SANITARY PIPING, VENT PIPING, COLD WATER PIPING, AND ACCESSORIES. TEMPORARILY CAP PIPING TO FACILITATE FUTURE FIXTURES CONNECTIONS. REFER TO NEW WORK.
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8. CUT AND CAP NATURAL GAS PIPE AT THE POINT AT WHICH IT ENTERS THE BUILDING. GAS SERVICE WILL NOT BE IN USE. REMOVE GAS METER. EXISTING GAS METER IS PROPERTY OF PHILADELPHIA GAS WORKS (PGW), AND DISCONNECTION OF EXISTING GAS SERVICES MUST BE COORDINATED WITH PGW
9. CUT AND CAP SANITARY PIPING. PIPE TO BE ABANDONED IN PLACE BENEATH THE EXTERIOR STAIRS..
10. DEMOLISH EXISTING 1" DOMESTIC WATER SERVICE TO INCREASE THE SERVICE SIZE AS PART OF THE NEW WORK. REMOVE EXISTING BFP AND WATER METER FOR REPLACEMENT IN NEW WORK. REFER TO CIVIL DRAWINGS FOR WATER SERVICE INFORMATION. EXISTING WATER METER IS PROPERTY OF THE PHILADELPHIA WATER DEPARTMENT (PWD), AND DISCONNECTION OF EXISTING WATER SERVICE MUST BE COORDINATED WITH PWD.
11. REMOVE EXISTING 2" VTR. EXISTING PENETRATION TO BE UTILIZED FOR THE NEW WORK.

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR

REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER DONNA A. GUZEWSKI No. 041818E

Donna Guzewski Digitally signed by Donna Guzewski Reason: I have reviewed this document. Date: 2026.03.13 10:25:33-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

PLUMBING DEMOLITION PLANS - ROOF

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. PD2.3
DATE 04/09/2026	
SCALE AS NOTED	
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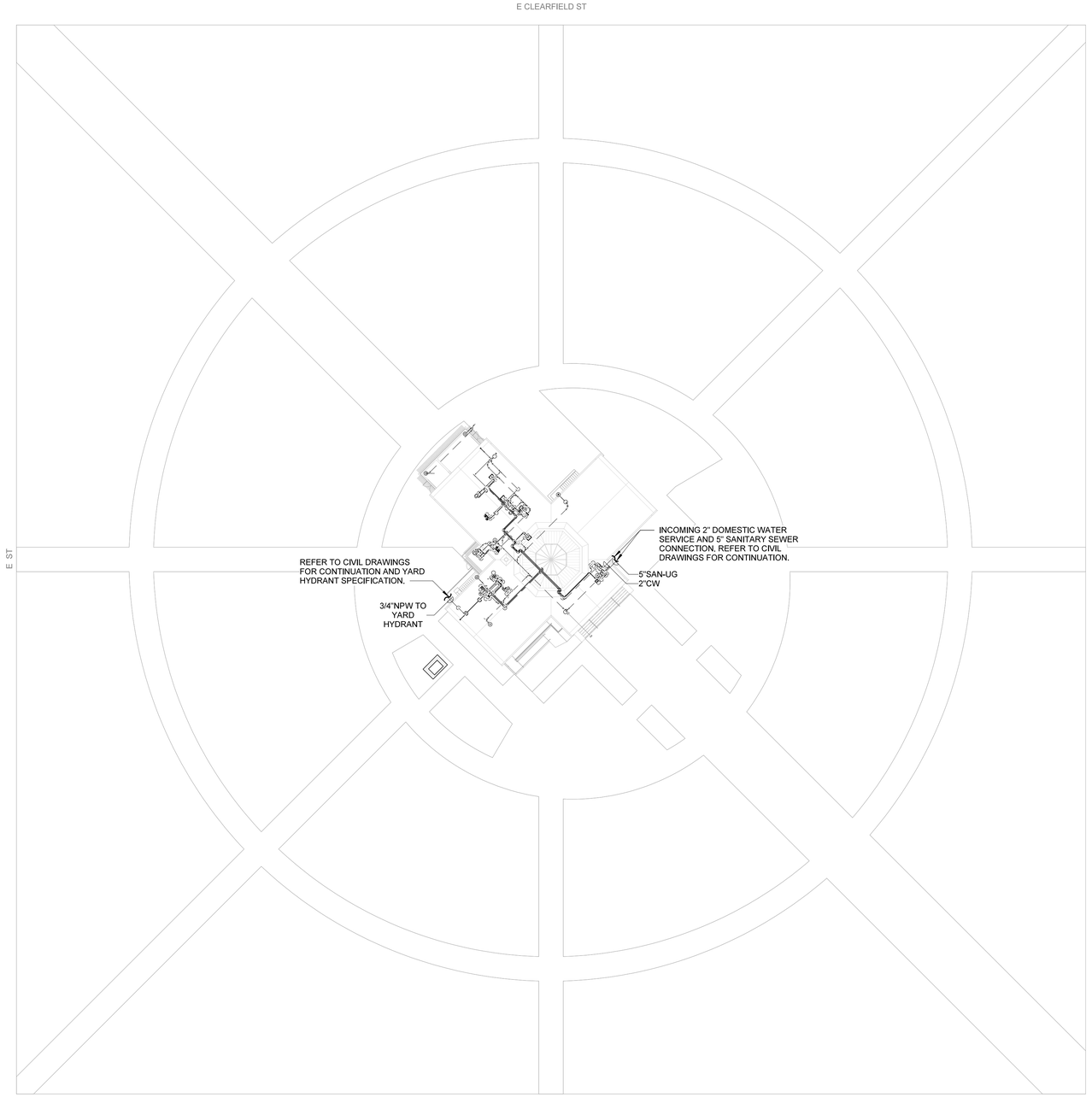

1 P2.0 PLUMBING SITE PLAN
1" = 30'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

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SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL DONNA A. GUZEWSKI ENGINEER No. 041818E

Donna Guzewski Digitally signed by Donna Guzewski
Reason: I have reviewed this document
Date: 2026.03.13 10:25:34-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
PLUMBING SITE PLAN

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. P2.0
DATE 04/09/2026	
SCALE AS NOTED	
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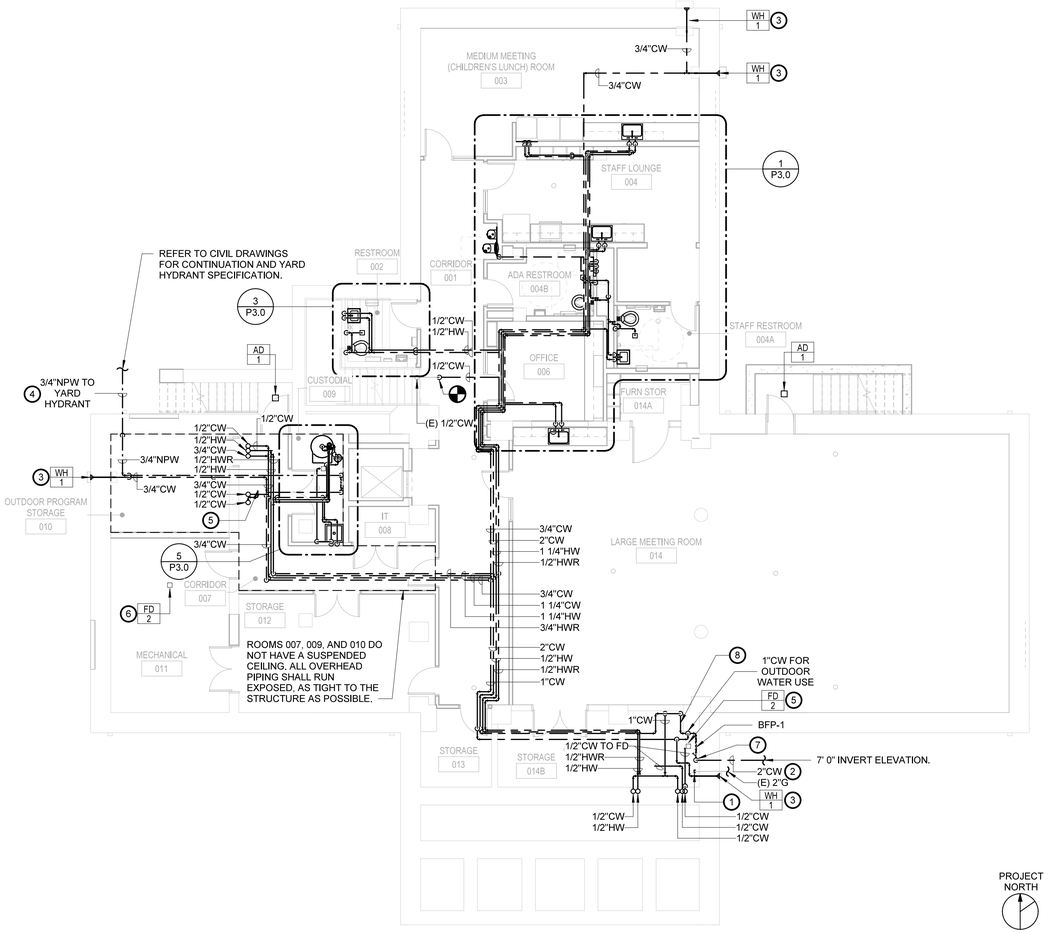
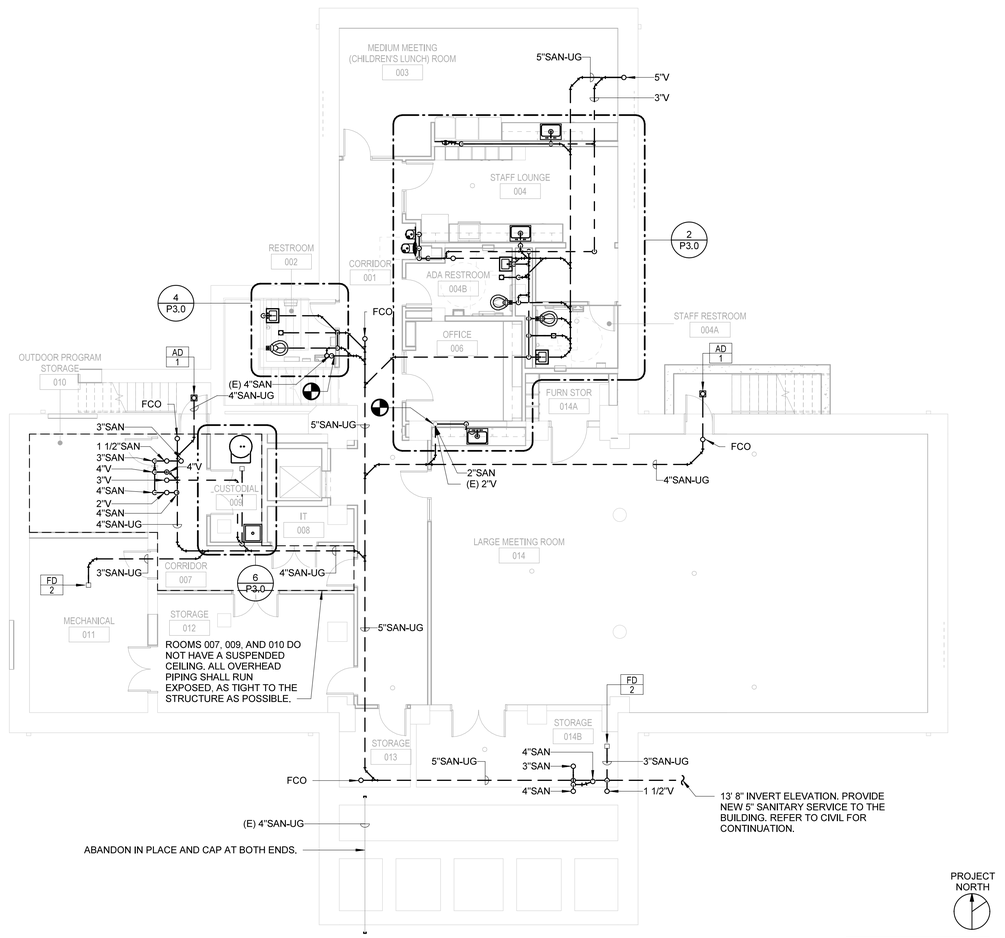


1 P2.1 PLUMBING PLAN - LOWER LEVEL - DOMESTIC WATER

1/8" = 1'-0"



2 P2.1 PLUMBING PLAN - LOWER LEVEL - SANITARY

1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. REFER TO SHEET P0.0 FOR PLUMBING GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS.

KEY NOTES: (#)

1. CAP NATURAL GAS PIPE AT THE POINT AT WHICH IT ENTERS THE BUILDING. GAS SERVICE WILL NOT BE IN USE.
2. PROVIDE NEW 2" DOMESTIC WATER SERVICE TO THE BUILDING, WITH NEW 2" DOMESTIC WATER METER AND BFP-1. REFER TO CIVIL DRAWINGS FOR NEW WATER SERVICE LINE INFORMATION. COORDINATE INSTALLATION OF NEW WATER METER WITH THE PHILADELPHIA WATER DEPARTMENT (PWD). WATER METER IS BY PWD, AND INSTALLATION MUST MEET PWD METER INSTALLATION STANDARDS.
3. INSTALL WALL HYDRANTS APPROXIMATELY 8' 6" ABOVE THE BASEMENT LEVEL. HYDRANTS WILL BE ABOVE GRADE ON THE EXTERIOR OF THE BUILDING.
4. PIPE MUST RUN 3'-6" MINIMUM BELOW GROUND SURFACE.
5. PROVIDE 1/2" TRAP PRIMER CONNECTION TO FLOOR DRAIN.
6. PROVIDE WITH BARRIER TYPE TRAP SEAL.
7. BUILDING DOMESTIC WATER SERVICE CONSUMPTION METER. TO BE INTERCONNECTED WITH MECHANICAL BAS PANEL LOCATED IN MECHANICAL ROOM.
8. PROVIDE BUILDING DOMESTIC INDOOR WATER SUBMETER. TO BE INTERCONNECTED WITH MECHANICAL BAS PANEL LOCATED IN MECHANICAL ROOM.

REVISIONS

ISSUE	DATE	REVISIONS

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — DONNA A. GUZEWSKI — ENGINEER — No. 041818E

Donna Guzewski Digitally signed by Donna Guzewski Reason: I have reviewed this document. Date: 2026.03.13 10:25:35-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

PLUMBING PLANS - LOWER LEVEL

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. P2.1
DATE 04/09/2026	
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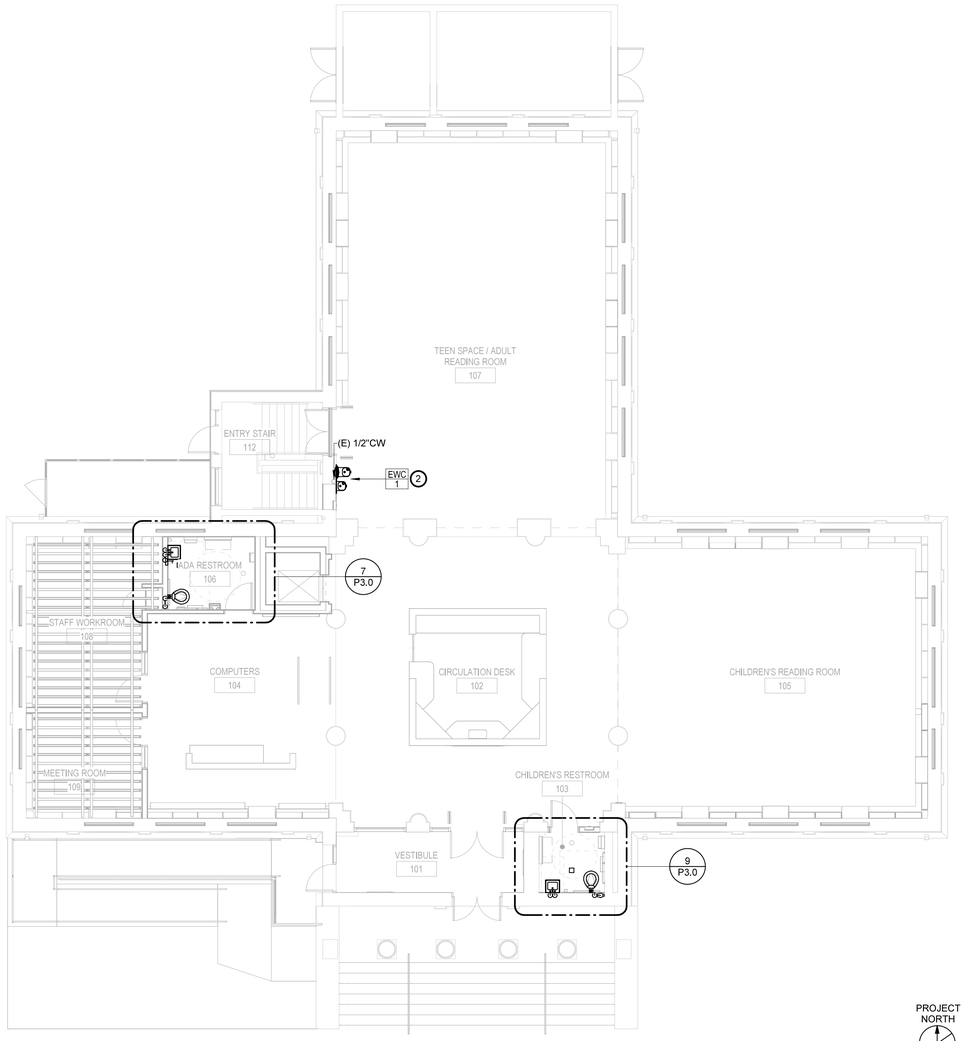
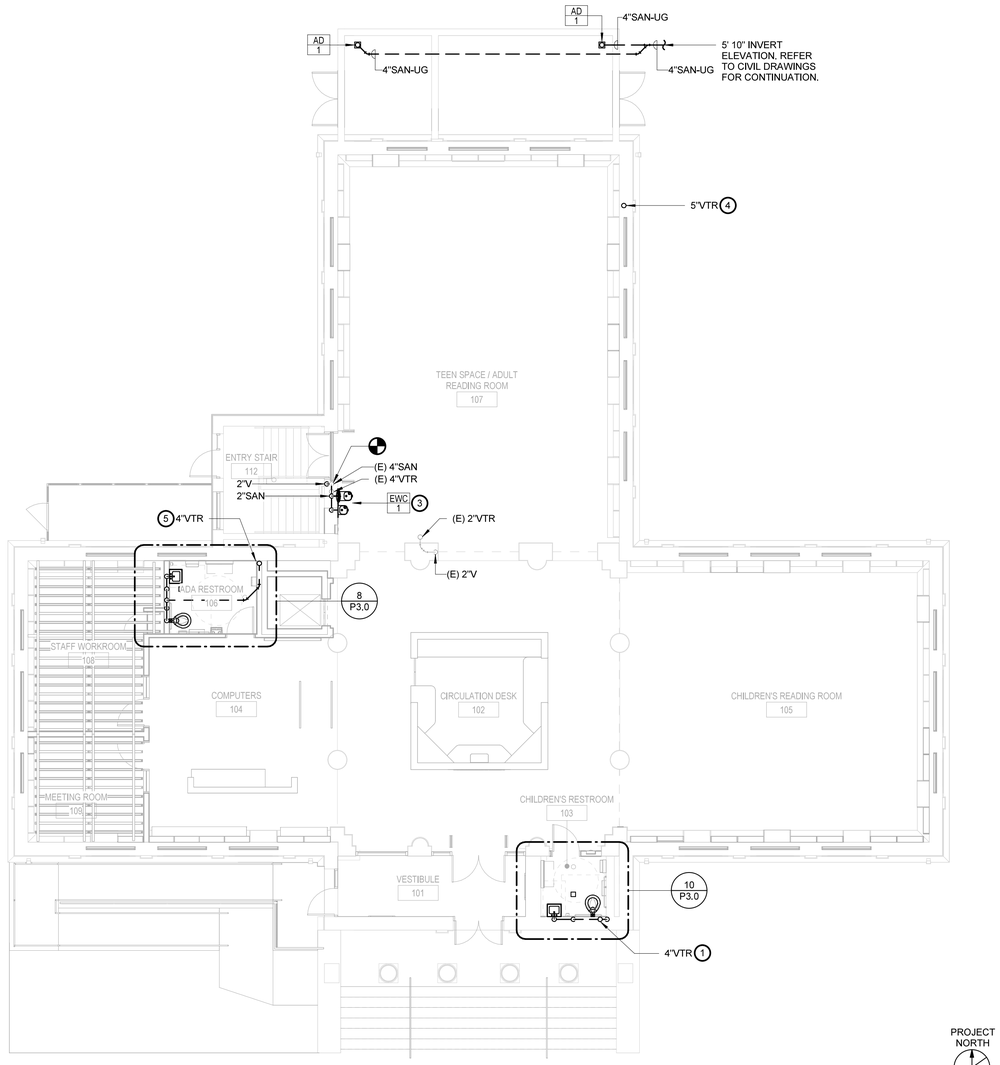


1 P2.2 PLUMBING PLAN - ENTRY LEVEL - DOMESTIC WATER

1/8" = 1'-0"



2 P2.2 PLUMBING PLAN - ENTRY LEVEL - SANITARY

1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. REFER TO SHEET P0.0 FOR PLUMBING GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS.

KEY NOTES: (#)

1. NEW 4"VTR TO BE INSTALLED IN THE SAME LOCATION AS THE EXISTING TO BE REMOVED 2"VTR.
2. PROVIDE 1/2"CW CONNECTION TO EWC.
3. PROVIDE 2"SAN CONNECTION TO EWC.
4. NEW 5"VTR TO BE INSTALLED IN THE SAME LOCATION AS THE EXISTING TO BE REMOVED 4"VTR.
5. NEW 4"VTR.

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL DONNA A. GUZEWSKI ENGINEER No. 041818E

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PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
PLUMBING PLANS - ENTRY LEVEL

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. P2.2
DWG 04/09/2026	
SCALE AS NOTED	
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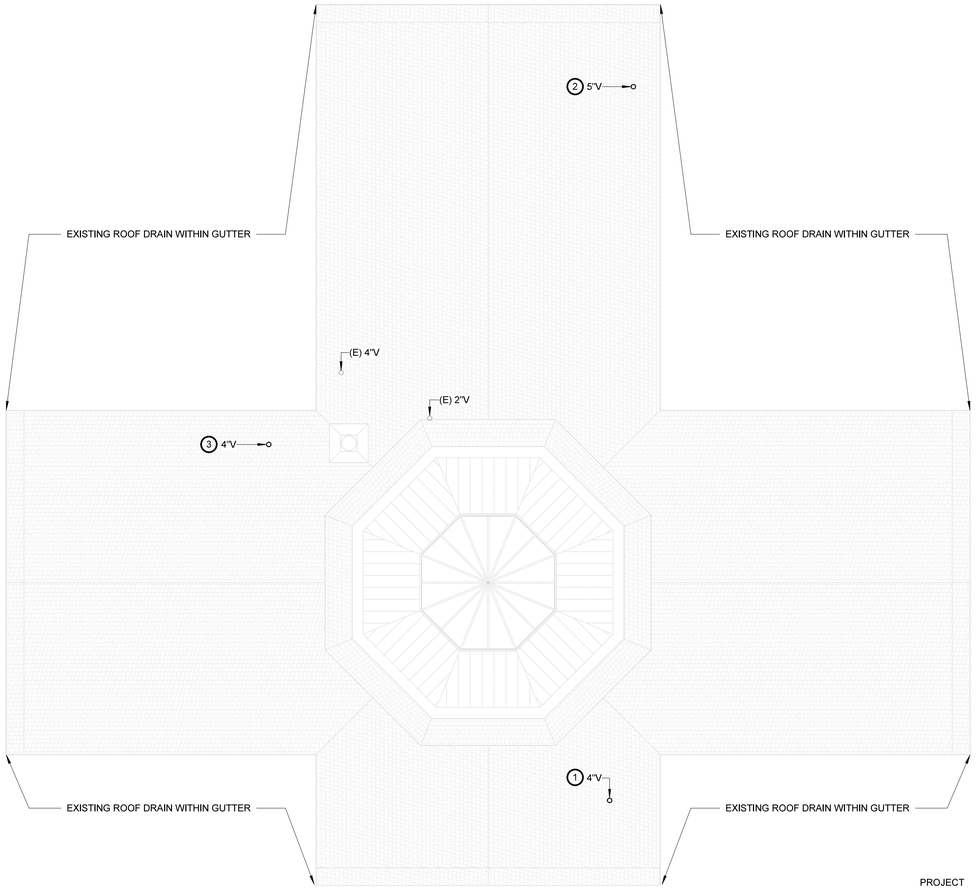

2 / P2.3 PLUMBING PLAN - ROOF - SANITARY

1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. REFER TO SHEET P0.0 FOR PLUMBING GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS.

KEY NOTES: (#)

1. NEW 4" VTR TO BE INSTALLED IN THE SAME LOCATION AS THE EXISTING TO BE REMOVED 2" VTR.
2. NEW 5" VTR TO BE INSTALLED IN THE SAME LOCATION AS THE EXISTING TO BE REMOVED 4" VTR.
3. NEW 4" VTR.

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR

REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL DONNA A. GUZEWSKI ENGINEER No. 041818E

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PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

PLUMBING PLANS - ROOF

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. P2.3
DATE 03/18/2026	
BID SET 04/09/2026	
DRAWN BY ED	
CHECKED BY DG	REV.

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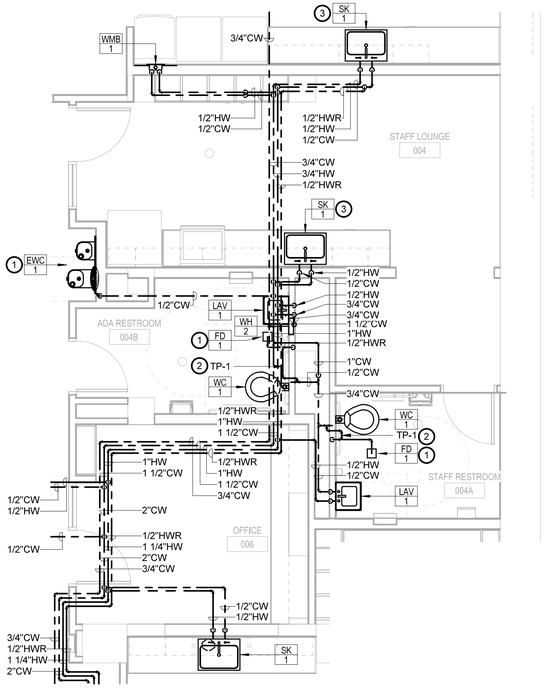
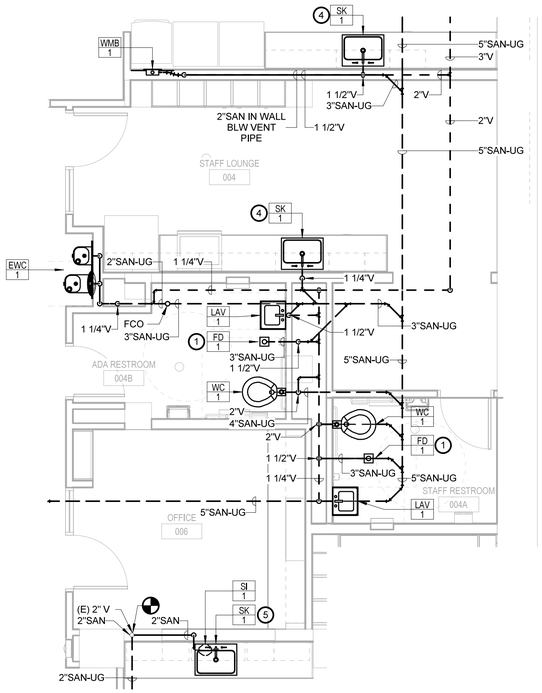
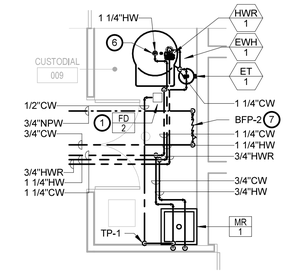


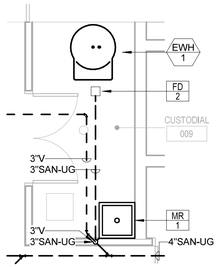
1 P3.0 PLUMBING ENLARGED PLAN - LOWER LEVEL - DW
1/4" = 1'-0"



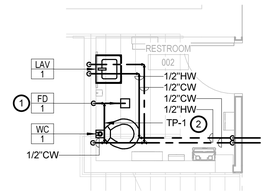
2 P3.0 PLUMBING ENLARGED PLAN - LOWER LEVEL - SAN & V
1/4" = 1'-0"



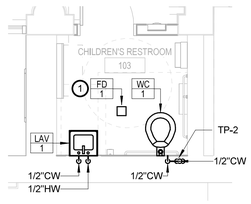
5 P3.0 PLUMBING ENLARGED PLAN - LOWER LEVEL - DW - CUSTODIAL ROOM
1/4" = 1'-0"



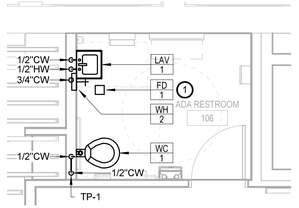
6 P3.0 PLUMBING ENLARGED PLAN - LOWER LEVEL - SAN & V - CUSTODIAL ROOM
1/4" = 1'-0"



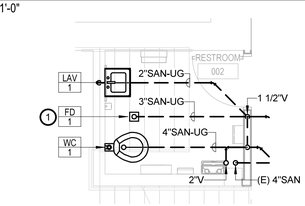
3 P3.0 PLUMBING ENLARGED PLAN - LOWER LEVEL - DW - RESTROOM
1/4" = 1'-0"



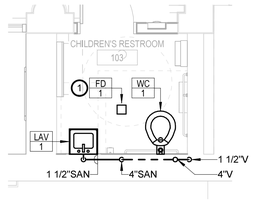
9 P3.0 PLUMBING ENLARGED PLAN - ENTRY LEVEL - DW - CHILDREN'S RESTROOM
1/4" = 1'-0"



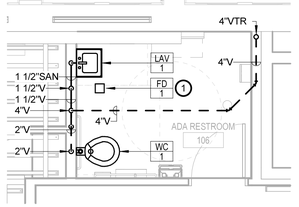
7 P3.0 PLUMBING ENLARGED PLAN - ENTRY LEVEL - DW - ADA RESTROOM
1/4" = 1'-0"



4 P3.0 PLUMBING ENLARGED PLAN - LOWER LEVEL - SAN & V - RESTROOM
1/4" = 1'-0"



10 P3.0 PLUMBING ENLARGED PLAN - ENTRY LEVEL - SAN & V - CHILDREN'S RESTROOM
1/4" = 1'-0"



8 P3.0 PLUMBING ENLARGED PLAN - ENTRY LEVEL - SAN & V - ADA RESTROOM
1/4" = 1'-0"

PROJECT NORTH

0' 2' 4' 8'

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. REFER TO SHEET P0.0 FOR PLUMBING GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS.

KEY NOTES:

1. PROVIDE 1/2" TRAP PRIMER CONNECTION TO FLOOR DRAIN.
2. TP-1 TO BE INSTALLED ABOVE THE CEILING. PROVIDE WITH ACCESS PANEL.
3. PROVIDE 1/2" HW CONNECTION BELOW SINK FOR DISHWASHER.
4. PROVIDE CONNECTION BELOW SINK FOR DISHWASHER DRAIN. PROVIDE SINK WITH GARBAGE DISPOSAL, GD-1.
5. PROVIDE TRAP CLEANOUT BELOW SINK.
6. PROVIDE BUILDING DOMESTIC HOT WATER SUBMETER. TO BE INTERCONNECTED WITH MECHANICAL BAS PANEL LOCATED IN MECHANICAL ROOM.
7. BFP-2 SERVING EXTERIOR YARD HYDRANT. DRAIN TO NEARBY FLOOR DRAIN. ALL PIPING DOWNSTREAM OF BFP-2 SHALL BE IDENTIFIED AS NONPOTABLE WATER.

REVISIONS

ISSUE	DATE	REVISIONS

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Free LIBRARY OF PHILADELPHIA

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — DONNA A. GUZEWSKI — ENGINEER — No. 041818E

Donna Guzewski
Digitally signed by Donna Guzewski
Reason: I have reviewed this document
Date: 2026.03.13 10:25:30-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
PLUMBING ENLARGED PLANS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. P3.0
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY ED	
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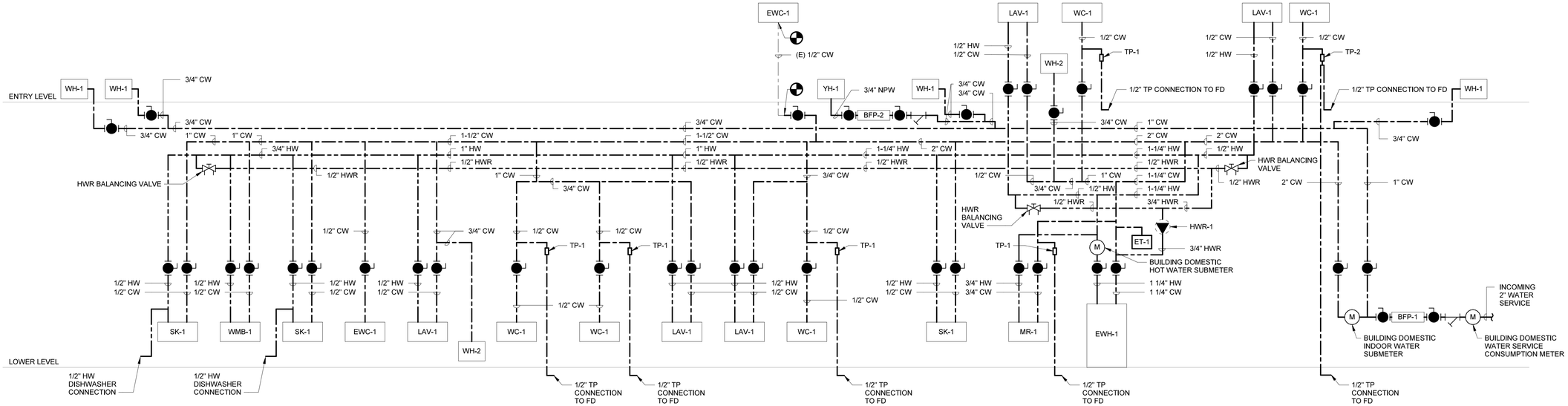
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

FIXTURE CONNECTION SIZE AND WSFU						
TAG	CW	HW	WSFU (TOTAL)	WSFU (CW)	WSFU (HW)	FIXTURE COUNT
EWC-1	1/2"	--	0.25	0.25	-	2
LAV-1	1/2"	1/2"	2	1.4	1.4	5
MR-1	3/4"	3/4"	3	2.25	2.25	1
SK-1	1/2"	1/2"	3	2.25	2.25	3
WC-1	1/2"	--	6	6	-	5
WH-1, YH-1	3/4"	--	1	1	-	5
WMB-1	1/2"	1/2"	3	2.25	2.25	1



1 P4.0 PLUMBING RISER - DOMESTIC WATER RISER DIAGRAM

12" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR

REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER DONNA A. GUZEWSKI No. 041818E

Donna Guzewski Digitally signed by Donna Guzewski Reason: I have reviewed this document Date: 2026.03.13 10:25:39-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
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MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

PLUMBING RISER DIAGRAMS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. P4.0
DATE 04/09/2026	
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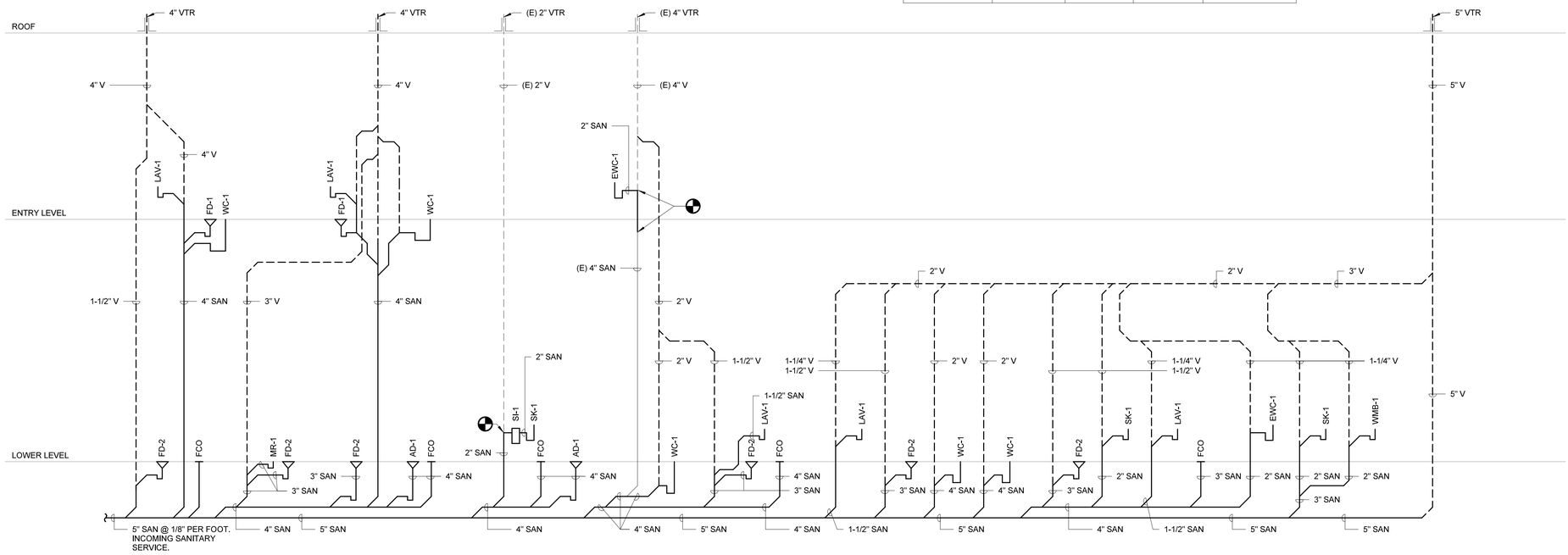
FIXTURE CONNECTION SIZE AND DFU				
FIXTURE	SAN	VENT	DFU PER FIXTURE	FIXTURE COUNT
EWC-1	2"	1-1/4"	0.5	2
LAV-1	1-1/2"	1-1/4"	2	5
MR-1	3"	1-1/2"	3	1
SK-1	1-1/2"	1-1/4"	3	3
WC-1	4"	2"	5	5
FD-1, FD-2	3"	1-1/2"	3	9
WMB-1	2"	1-1/4"	3	1



1 P4.1 PLUMBING RISER - SANITARY AND VENT RISER DIAGRAM
12" = 1'-0"

PLAN EXAMINER STAMP AREA:

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PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
PLUMBING RISER DIAGRAM

PROJECT NO. (CEPY | EMP) 52025-E-06-01 | 718.10	DRAWING NO. P4.1
DATE 04/09/2026	
SCALE AS NOTED	
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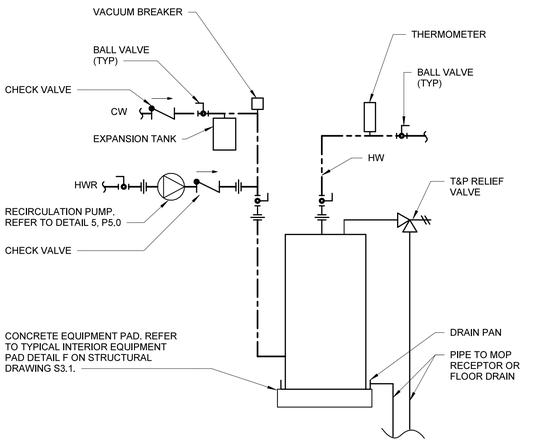
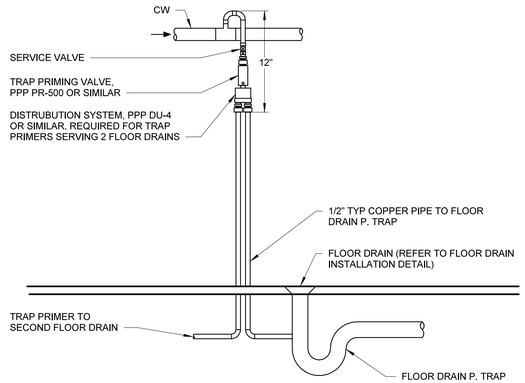


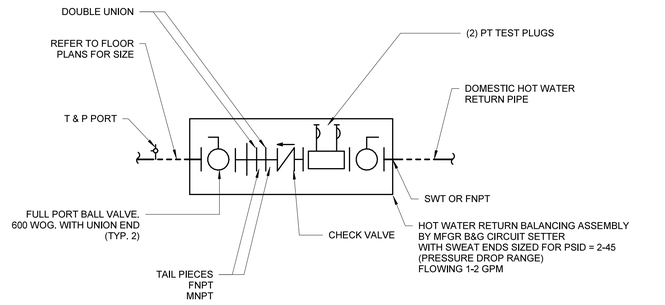
NOTE:
1. PIPE DRAIN PAN AND RELIEF TO MOP RECEPTOR OR CLOSEST FLOOR DRAIN.

1 P5.0 ELECTRIC WATER HEATER PIPING DETAIL
NOT TO SCALE



NOTE:
1. UNIT SHALL BE INSTALLED ABOVE ALL DRAINS IT IS INTENDED TO SERVE.
2. DETAIL IS FOR TYPICAL TRAP PRIMER CONNECTION. REFER TO SCHEDULE FOR TRAP PRIMER LABEL, ASSOCIATED LOCATION, AND NUMBER OF CONNECTIONS TO DRAINS.

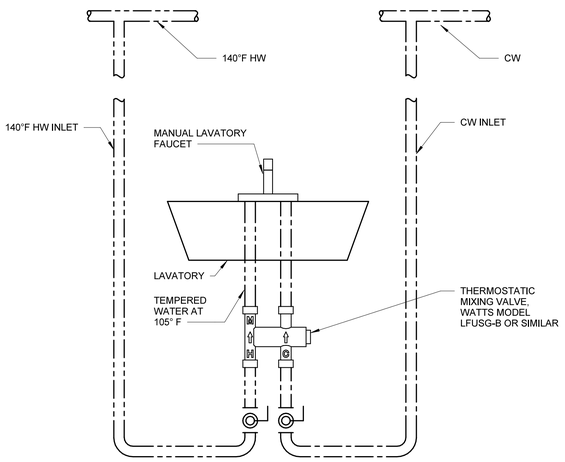
2 P5.0 TRAP PRIMER DETAIL
NOT TO SCALE



NOTE:

SEE FLOOR PLANS OR RISER DIAGRAMS FOR ALL LOCATIONS.

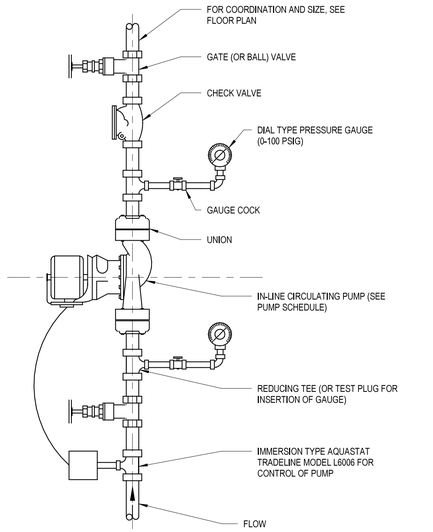
3 P5.0 HWR BALANCING ASSEMBLY DETAIL
NOT TO SCALE



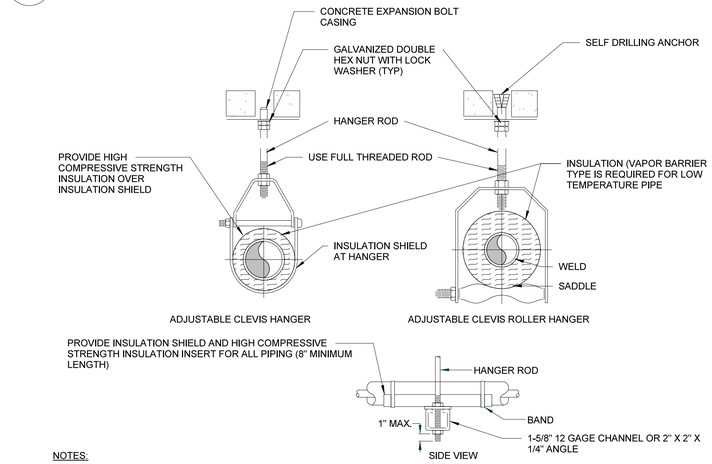
NOTE:

1. PIPING CONFIGURATION IS REPRESENTATION OF PIPING THROUGH THERMOSTATIC MIXING VALVE TO PREVENT SCALDING AT LAVATORY FAUCET.

4 P5.0 LAVATORY PIPING DETAIL
NOT TO SCALE



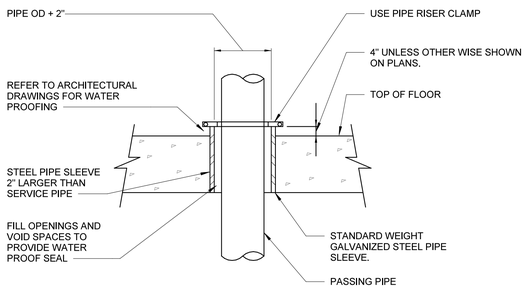
5 P5.0 CIRCULATING PUMP DETAIL
NOT TO SCALE



NOTES:

1. CONCRETE INSERTS: MAXIMUM LOAD PER MANUFACTURER RECOMMENDED RATING.
2. SELF DRILLING ANCHOR: MAXIMUM LOAD 50% OF MANUFACTURER RECOMMENDED RATING.
3. PIPES SHALL BE WRAPPED IN 1/4" FELT AT THE HANGER, EXTENDING A MINIMUM OF 1/4" PAST EDGE OF HANGER ON BOTH SIDES.

6 P5.0 TYPICAL PIPE HANGER DETAIL
NOT TO SCALE



7 P5.0 FLOOR SLEEVE DETAIL
NOT TO SCALE

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

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Donna Guzewski Digitally signed by Donna Guzewski Reason: I have reviewed this document Date: 2026.03.13 10:25:41-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

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DRAWING TITLE

PLUMBING DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. P5.0
DATE 04/09/2026	
SCALE AS NOTED	
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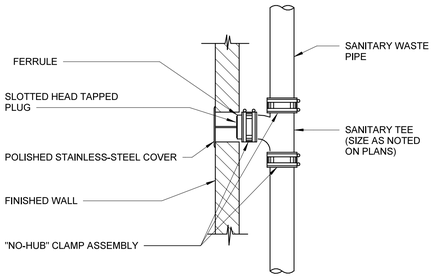
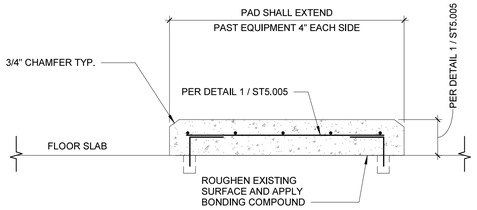
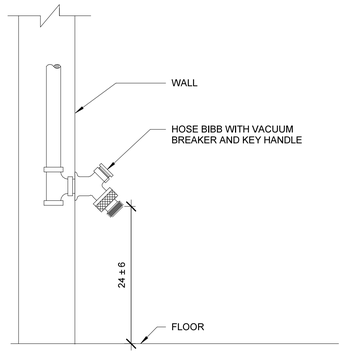


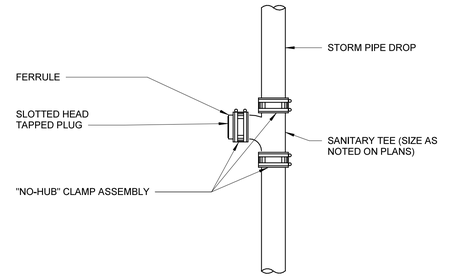
1 P5.1 WALL CLEANOUT DETAIL
NOT TO SCALE



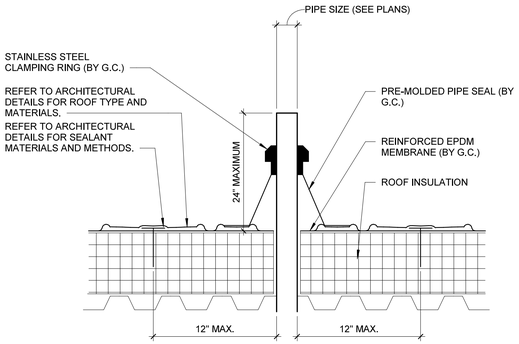
2 P5.1 CONCRETE EQUIPMENT PAD
NOT TO SCALE



3 P5.1 HOSE BIBB DETAIL
NOT TO SCALE



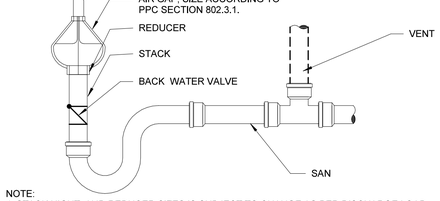
4 P5.1 VERTICAL EXPOSED PIPE CLEANOUT DETAIL
NOT TO SCALE



NOTE:

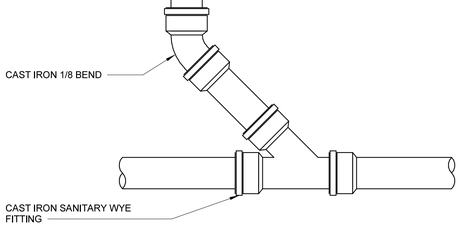
1. NOT ALL ROOF TYPES MAY MATCH THIS DETAIL.
2. REFER TO ARCHITECTURAL PLANS FOR ROOF TYPE AND METHOD OF ROOF PENETRATION FOR NEW VENT PIPING SYSTEMS.
3. REFER TO ARCHITECTURAL PLANS FOR WATERPROOFING SYSTEM TO BE APPLIED TO PREVENT WATER INTRUSION TO BUILDING, INSULATION ETC.

5 P5.1 VENT THRU ROOF DETAIL
NOT TO SCALE

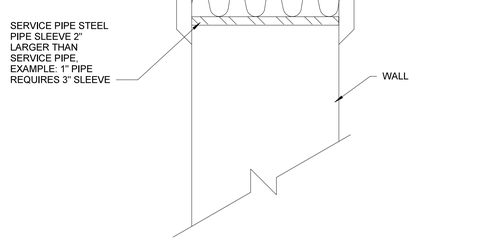


NOTE:
1. STACK HIGHT AND REDUCER SIZES IS SUBJECT TO CHANGE AS PER DISCHARGE LOAD.
2. REFER THE FLOOR PLAN SHEETS FOR SPECIFIC SIZE OF STACK AND REDUCER.

6 P5.1 INDIRECT WASTE RECEPTOR
NOT TO SCALE



7 P5.1 FLOOR CLEANOUT DETAIL
NOT TO SCALE



8 P5.1 INTERIOR WALL PENETRATION DETAIL
NOT TO SCALE

PLAN EXAMINER STAMP AREA:

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ISSUE	DATE	REVISIONS

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SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL DONNA A. GUZEWSKI ENGINEER No. 041818E

Donna Guzewski Digitally signed by Donna Guzewski Reason: I have reviewed this document. Date: 2026.03.13 10:25:42-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
PLUMBING DETAILS

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO.: P5.1
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SCALE: AS NOTED	
DRAWN BY: ED	
CHECKED BY: DG	

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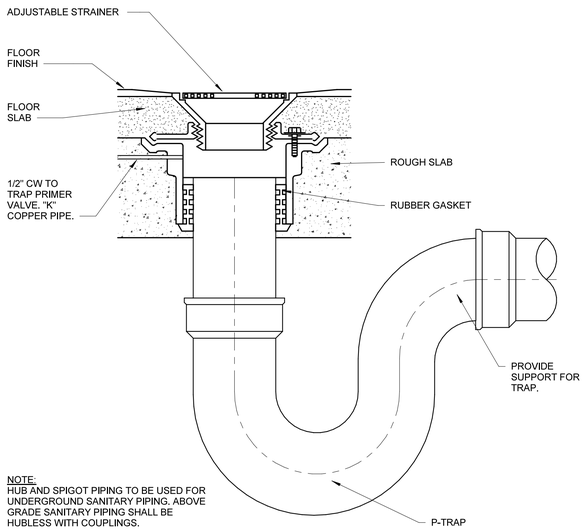


NOTE:
HUB AND SPIGOT PIPING TO BE USED FOR UNDERGROUND SANITARY PIPING. ABOVE GRADE SANITARY PIPING SHALL BE HUBLESS WITH COUPLINGS.

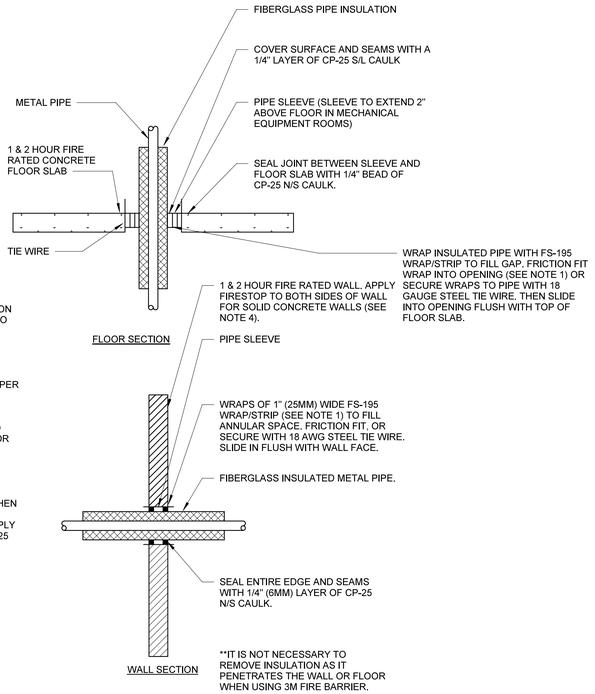
1 P5.2 FLOOR DRAIN DETAIL
NOT TO SCALE

UCP-25 CAULK NOTE:

1. USE CP-25 S/L SELF-LEVELING CAULK ON HORIZONTAL SURFACES WHEN FILLING GAPS FROM ABOVE THE PENETRATION.
2. USE CP-25 N/S NO-SAG CAULK ON VERTICAL SURFACES WHEN FILLING GAPS FROM BELOW.
3. 1/4" BEAD OF CP-25 N/S CAULK AROUND PERIMETER OF PIPE SLEEVE AT JUNCTION WITH WALL. APPLY TO BOTH SIDES OF WALL.

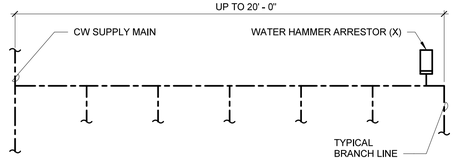
FIRE-STOPPING NOTES:

1. MINIMUM NUMBER OF FS-195 WRAPS DEPENDS ON INSULATION THICKNESS AND ANNULAR SPACE TO FILL.
   1. 1" (25mm) OF INSULATION-1 WRAP
   2. 2" (52mm) OF INSULATION-2 WRAPS
   3. 3" (76mm) OF INSULATION-3 WRAPS
   4. MINIMUM ANNULAR SPACE MUST ACCOMMODATE THE WRAPS REQUIRED PER INSULATION THICKNESS. REMAINING ANNULAR SPACE REQUIRES ADDITIONAL WRAPS TO CLOSE TO 1/4" OR LESS. PROVIDE PIPE SLEEVE OF ADEQUATE TO PROVIDE ANNULAR SPACE REQUIRED FOR FIRE BARRIER.
2. RECOMMENDATIONS BAED ON PRODUCT PERFORMANCEASTM E-814 (UL 1479) TIME TEMPERATURE CURVE FIRE EXPOSURE. UL CLASSIFICATION PER SYSTEM #91.
3. A 28 AWG METAL COVER PLATE IS REQUIRED WHEN ANNULAR SPACE EXCEEDS 3".
4. FOR SOLID CONCRETE WALL APPLICATIONS, APPLY FS-195 CENTERED WITHIN WALL AND APPLY CP-25 N/S CAULK FOR SMOKE SEAL.



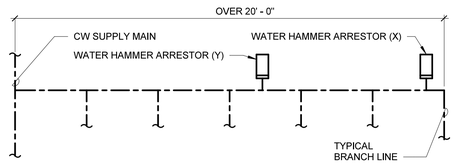
2 P5.2 FIRESTOPPING DETAIL FOR PIPES THRU RATED WALL
NOT TO SCALE

RULE 1 : COVERS MULTIPLE FIXTURES BRANCH LINES WHICH DO NOT EXCEED 20 FT IN LENGTH.



RULE 2 : COVERS MULTIPLE FIXTURE BRANCH LINES WHICH DO EXCEED 20 FT IN LENGTH.

EXPLANATION : THE SUM OF THE FIXTURE UNITS RATING OF UNITS X AND Y SHALL BE EQUAL TO OR GREATER THAN THE DEMAND OF THE BRANCHES.



NOTE: WATER HAMMER ARRESTOR MODEL NUMBERS SHOWN ABOVE ARE MANUFACTURED BY WATTS.

WATER HAMMER ARRESTOR SCHEDULE			
SIZE	MODEL NUMBER	CROSS FIXTURE UNITS	REF PDI STANDARD
1/2"	LF15M2-A	1 - 11	A
3/4"	LF15M2-B	12 - 32	B
1"	LF15M2-C	33 - 60	C
1"	LF15M2-D	61 - 113	D
1"	LF15M2-E	114 - 154	E

3 P5.2 WATER HAMMER ARRESTOR DETAIL
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PLAN EXAMINER STAMP AREA:

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REBUILD | CASSIE O'CONNELL

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ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

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DRAWING TITLE
PLUMBING DETAILS

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO.: P5.2
DATE: 04/09/2026	
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CHECKED BY: DG	FILE:

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PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER & MODEL NO.	CAPACITY	CONNECTION SIZE				REMARKS
				CW	HW	V	SAN	
AD-1	EXTERIOR AREA DRAIN	ZURN Z609-V-VP-Y	-	-	-	2"	4"	PROVIDE WITH BACKWATER VALVE, VANDAL-PROOF SECURED TOP, AND SEDIMENT BUCKET.
EWC-1	ELECTRIC WATER COOLER	ELKAY LZSTL8WSLK	8 GPH	1/2"	-	1-1/4"	2"	PROVIDE BI-LEVEL IN-WALL MOUNTED COOLER WITH FILTER AND REFRIGERATED CHILLING CAPACITY OF 8 GPH WITH BOTTLE FILLER. PROVIDE PUSH BUTTON ACTIVATION.
FD-1	LIGHT DUTY FLOOR DRAIN	JAY R SMITH 2005YB-P050-U	-	1/2"	-	1-1/2"	3"	PROVIDE WITH 6" SQUARE TOP, NICKEL BRONZE STRAINER, AND VANDAL PROOF SCREWS. PROVIDE WITH TRAP PRIMER CONNECTION WHERE INDICATED ON FLOOR PLANS.
FD-2	MEDIUM DUTY FLOOR DRAIN	ZURN Z1727-VP	-	1/2"	-	1-1/2"	3"	PROVIDE WITH 6" SQUARE TOP, STAINLESS STEEL STRAINER, AND VANDAL PROOF SCREWS.
LAV-1	LAVATORY	AMERICAN STANDARD 0355.012.020	0.35 GPM	1/2"	1/2"	1-1/4"	1-1/2"	WALL MOUNTED LAVATORY WITH FRONT OVERFLOW AND HOLES FOR CONCEALED ARMS SUPPORT. PROVIDE WITH GRID DRAIN. PROVIDE WITH AMERICAN STANDARD 5500.174 0.35 GPM 4" CENTERSET MANUAL FAUCET WITH WRIST BLADE HANDLES AND WATTS LFUSG-B MIXING VALVE. PROVIDE UNDER LAVATORY GUARD.
MR-1	MOP SINK	FIAT TSB3000	1.5 GPM	3/4"	3/4"	1-1/2"	3"	TERAZZO MOP SERVICE BASIN WITH 6" DROP FRONT. PROVIDE WITH AMERICAN STANDARD 8344.212 WALL-MOUNT FAUCET WITH INTEGRAL VACUUM BREAKER, HOSE END, AND BUCKET HOOK.
SK-1	COUNTER MOUNTED SINK	ELKAY ELUHAD211545PD	1.5 GPM	1/2"	1/2"	1-1/4"	1-1/2"	COUNTER MOUNTED PANTRY SINK. PROVIDE WITH KOHLER K-810T20-5AHA FAUCET.
WC-1	ADA FLOOR MOUNTED WATER CLOSET	AMERICAN STANDARD 2467.001	1.1 GPF	1"	-	2"	4"	FLOOR MOUNTED WATER CLOSET WITH FLUSH TANK AND BOTTOM OUTLET. PROVIDE WITH AMERICAN STANDARD 5901.100SS TOILET SEAT. FLUSH LEVER SHALL BE LOCATED TO OPEN SIDE OF ROOM. PROVIDE WITH STRYKER SAGE TRAPTEX PLUMBING PROTECTION SYSTEM OR SIMILAR.
WH-1	NON-FREEZE WALL HYDRANT	ZURN Z1320XL-30	1.5 GPM	3/4"	-	-	-	NON-FREEZE WALL HYDRANT WITH LOCKING BOX.
WH-2	INTERIOR WALL HYDRANT	MURDOCK M-3518	1.5 GPM	3/4"	-	-	-	MILD CLIMATE WALL HYDRANT WITH LOCKING BOX.
WMB-1	WASHING MACHINE OUTLET BOX	OATEY 38941	-	1/2"	1/2"	1-1/4"	2"	WASHING MACHINE OUTLET BOX. PROVIDE WITH WATER HAMMER ARRESTORS. REFER TO WASHING MACHINE SPECIFICATION FOR ADDITIONAL INFORMATION.

ELECTRIC WATER HEATER SCHEDULE

TAG	MANUFACTURER & MODEL NO.	CW INLET SIZE	HW OUTLET SIZE	CAPACITY (GAL)	ELECTRICAL CHARACTERISTICS			REMARKS
					kW	VOLTAGE	PHASE	
EWH-1	AO SMITH DSE-40A	1-1/4"	1-1/4"	120	45	208	3	PROVIDE WITH ET-1, AMTROL ST-5C-DD EXPANSION TANK, AND HWR-1. WATER HEATER SHALL HAVE A RECOVERY RATE OF 184 GPH AT A 100°F RISE.

HOT WATER RECIRCULATION PUMP SCHEDULE

TAG	MANUFACTURER & MODEL NO.	CAPACITY (GPM)	CONNECTION SIZE	ELECTRICAL CHARACTERISTICS				REMARKS
				W	VOLTAGE	PHASE	AMPS	
HWR-1	TACO 0026E-SF2	44	3/4"	120	115	1	1	PROVIDE FOR EWH-1.

BACKFLOW PREVENTER SCHEDULE

TAG	TYPE	MANUFACTURER & MODEL NO.	SIZE	REMARKS
BFP-1	REDUCED PRESSURE ZONE ASSEMBLY	WATTS LF909M1-QT	2"	PROVIDE WITH STRAINER. MAXIMUM WORKING PRESSURE 175 PSI. BFP WITH AIR GAP, ELBOW WITH TEST COCK. DRAIN TO NEAREST FLOOR DRAIN.
BFP-2	REDUCED PRESSURE ZONE ASSEMBLY	WATTS LF909-QT	3/4"	PROVIDE WITH STRAINER. MAXIMUM WORKING PRESSURE 175 PSI. BFP WITH AIR GAP, ELBOW WITH TEST COCK. DRAIN TO NEAREST FLOOR DRAIN.

TRAP PRIMER SCHEDULE

TAG	DESCRIPTION	MANUFACTURER & MODEL NO.	INLET/OUTLET SIZE	REMARKS
TP-1	TRAP PRIMER	PRECISION PLUMBING PRODUCTS PR-500	1/2"	1 OUTLET. MOUNT AT LEAST 12" ABOVE TRAP SERVICED.
TP-2	TRAP PRIMER	PRECISION PLUMBING PRODUCTS PR-500	1/2"	2 OUTLETS. MOUNT AT LEAST 12" ABOVE TRAP SERVICED.

INTERCEPTOR SCHEDULE

TAG	DESCRIPTION	MANUFACTURER & MODEL NO.	INLET/OUTLET SIZE	REMARKS
SI-1	SOLIDS AND PLASTER INTERCEPTOR	ZURN ZA-1184	2"	INSTALL IN LIEU OF P-TRAP FOR SINK LOCATED IN LARGE MEETING ROOM 014

GARBAGE DISPOSAL SCHEDULE

TAG	DESCRIPTION	MANUFACTURER & MODEL NO.	DRAIN SIZE	ELECTRICAL CHARACTERISTICS	REMARKS
GD-1	1/2 HP MOTOR GARBAGE DISPOSAL	INSINKERATOR BADGER 5	1-1/2"	120V, 6.3A	PROVIDE WITH DISHWASHER DRAIN CONNECTION.

PLAN EXAMINER STAMP AREA:

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Donna Guzewski Digitally signed by Donna Guzewski Reason: I have reviewed this document Date: 2026.03.13 10:25:44-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
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DRAWING TITLE

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PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. P6.0
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY ED	
CHECKED BY DG	REV.

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

GENERAL NOTES: (CODES, DIAGRAMMATIC)

1. ALL ELECTRICAL WORK IS NEW UON, SHALL BE INSTALLED IN ACCORDANCE W/ THE LATEST ADOPTED EDITION OF THE 2018 IBC, 2017 NEC, NESC, OSHA AND LOCAL CODES AND ORDINANCES, AND THE CITY OF PHILADELPHIA STANDARDS. FURNISH AND INSTALL ALL NECESSARY ELECTRICAL EQUIPMENT AND CONNECTIONS INCLUDING CONTROL WIRING REQUIRED FOR A COMPLETE, FUNCTIONAL ELECTRICAL SYSTEM.
2. COMPLY WITH ALL REGULATIONS AND LAWS OF AUTHORITIES HAVING JURISDICTION.
3. CONTRACT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE, DESIGN INTENT, AND GENERAL ARRANGEMENT ONLY. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES INCLUDING RESOLUTION OF FIELD CONFLICTS THAT MAY ARISE.
4. THESE DRAWINGS MAY NOT SHOW ALL REQUIRED CONNECTIONS, PATCH CORDS, INTERCONNECTING CABLES, CONDUITS, WIRING, JUNCTION/PULL BOXES, ETC. IT IS THE CONTRACTOR'S RESPONSBILITY TO PROVIDE IN THE BID PRICE ALL APPURTENANCES FOR A COMPLETE AND OPERATIONAL SYSTEM THAT MEETS THE SYSTEM DESIGN AND NEC REQUIREMENTS, WHETHER OR NOT SHOWN ON THE DRAWINGS OR CALLED OUT IN THE SPECIFICATIONS.
5. APPLY FOR, SECURE, AND PAY FOR ALL PERMITS AND/OR CERTIFICATES OF INSPECTION REQUIRED IN THE PERFORMANCE OF THE WORK BY ALL AUTHORITIES HAVING JURISDICTION.
6. ALL EQUIPMENT AND MATERIALS SHALL BE FACTORY TESTED FOR PERFORMANCE AND ALSO FIELD TESTED AFTER INSTALLATION IN ACCORDANCE WITH SPECIFICATIONS, MANUFACTURER'S RECOMMENDATIONS, AND APPLICABLE STANDARDS TO DEMONSTRATE PROPER OPERATIONAL AND FUNCTIONAL PERFORMANCE.
7. BOUNDARY LINES SHOWN ON THE DRAWINGS DO NOT LIMIT THE SCOPE OF WORK FOR THE PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NOTED ON THE DRAWINGS.
8. THE TERM "PROVIDE", WHERE USED ON THESE DRAWINGS, SHALL MEAN "FURNISH AND INSTALL".
9. PRIOR TO ACCEPTANCE OF THE SPACE, THE ELECTRICAL SYSTEM SHALL BE TESTED AND OPERATED TO DEMONSTRATE TO THE OWNER, OR HIS DESIGNATED REPRESENTATITVE, THAT THE INSTALLATION AND PERFORMANCE OF THE SYSTEM AND/OR PARTS THEREOF CONFORM TO THE DESIGN INTENT.
10. PROVIDE ALL REQUIRED PULL BOXES AND JUNCTION BOXES FOR INSTALLATION OF THE WIRING IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
11. ALL NEW DEVICES, WIRING, CONDUITS, CABLING, AND JUNCTION/DEVICE BOXES SHALL BE FLUSH MOUNTED AND CONCEALED IN WALLS, CEILINGS, OR FLOORS UNLESS OTHERWISE NOTED.
12. UPON COMPLETION OF WORK, THOROUGHLY CLEAN ALL WORK AREAS AND EQUIPMENT.
13. UPON COMPLETION OF THE WORK, SUBMIT AS-BUILT DRAWINGS SHOWING ALL CHANGES FROM THE CONTRACT DRAWINGS MADE DURING CONSTRUCTION. DIMENSION LOCATIONS OF CONCEALED AND UNDERGROUND EQUIPMENT.
14. MANUFACTURERS AND CATALOG NUMBERS LISTED ON THE DRAWINGS ARE THE BASIS OF DESIGN. EQUIVELANT PRODUCTS MAY BE SUBMITTED FOR APPROVAL, UNLESS OTHERWISE NOTED.
15. NO WORK OR STOCKPILING OF MATERIAL SHALL BE DONE OUTSIDE THE LIMITS OF WORK OR OUTSIDE OF APPROVED STOCKPILES, UNLESS APPROVED BY THE CONSTRUCTION MANAGER OR OWNER.
16. PERFORM WORK IN CONFINED SPACES IN ACCORDANCE WITH OSHA REQUIREMENTS. PROPER PERMITS FOR CONFINED SPACES SHALL BE OBTAINED PRIOR TO COMMENCING WORK.
17. THE USE OF ANY PROCESS INVOLVING ASBESTOS OR PCB, AND THE INSTALLATION OF ANY PRODUCT, INSULATION, COMPOUND OF MATERIAL CONTAINING OR INCORPORATING ASBESTOS OR PCB, IS PROHIBITED. THE REQUIREMENTS OF THIS SPECIFICATION FOR A COMPLETE AND PROPERLY OPERATING ELECTRICAL SYSTEM SHALL BE MET WITHOUT THE USE OF ASBESTOS OR PCB.
18. PROVIDE A UL LISTED FIRE RATED BARRIER APPLIED TO JUNCTION BOXES LOCATED ON A FIRE RATED WALL.
19. PROVIDE PULL STRINGS IN ALL EMPTY CONDUIT AND RACEWAYS AT EACH END.
20. ALL CONDUIT SHALL BE CONCEALED UNLESS IMPOSSIBLE DUE TO EXISTING CONDITIONS (I.E. EXPOSED STRUCTURAL CEILINGS, BUILDING EXTERIOR WALLS). CONCEAL ALL CONDUITS ABOVE CEILINGS OR WITHIN WALLS AND COUNTERS.
21. FLOOR OR WALL PENETRATING CONDUITS THAT ARE NOT USED SHALL BE CAPPED AND/OR SEALED WITH APPROVED SEALANTS.
22. PROVIDE A DEDICATED NEUTRAL FOR ALL 120V AND 277V CIRCUITS. SHARED NEUTRALS ARE NOT ALLOWED.
23. POWER, CONTROL, INSTRUMENTATION AND COMMUNICATION CABLES SHALL NOT BE SPLICED BETWEEN TERMINATIONS.
24. EMERGENCY SERVICES SHALL BE RUN IN SEPARATE RACEWAYS FROM ALL OTHER SYSTEMS.
25. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN RACEWAYS FOR ALL FEEDERS AND BRANCH CIRCUITS.
26. ALL PENETRATIONS THROUGH DESIGNATED FIRE RATED WALLS, CEILINGS AND FLOOR SLABS SHALL BE PROPERLY SEALED WITH A UL APPROVED RATED FIRE AND SMOKE STOPPING MATERIAL. ALL FIRE AND SMOKE STOPPING MATERIAL SHALL BE SUPPLIED AND WORK PERFORMED AS PER PROJECT SPECIFICATIONS.

PLAN EXAMINER STAMP AREA:

GENERAL NOTES: (CODES, DIAGRAMMATIC)

27. CONDUITS, BOXES, AND RACEWAYS SHALL BE SIZED AND INSTALLED PER NEC. BENDS SHALL BE MADE SO THAT CONDUIT WILL NOT BE DAMAGED AND THE INTERNAL DIAMETER OF THE CONDUIT WILL NOT BE EFFECTIVELY REDUCED. RADIUS OF CURVE TO CENTERLINE OF BENDS SHALL NOT BE LESS THAN ALLOWED PER NEC CHAPTER 9, TABLE 2.
28. PROVIDE JUNCTION AND PULL BOXES SUCH THAT TOTAL CONDUIT BENDING DOES NOT EXCEED 360 DEGREES. FIELD COORDINATE LOCATIONS OF JUNCTION AND PULL BOXES PRIOR TO ROUGH-IN. ALL BOXES SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
29. ALL CONDUCTORS INCREASED IN SIZE TO REDUCE VOLTAGE DROP SHALL BE SPLICED TO APPROPRIATE SIZE CONDUCTORS FOR TERMINATING ONTO EQUIPMENT AND DEVICES. SPLICES SHALL BE MADE INSIDE THE EQUIPMENT AS ALLOWED BY THE NEC OR AT THE CLOSEST JUNCTION BOX TO THE EQUIPMENT OR DEVICE. THE SPLICED CONDUCTOR SHALL BE SIZED TO THE LARGEST ACCEPTABLE CONDUCTOR BASED ON THE TERMINATION LIMITATIONS OF THE EQUIPMENT OR DEVICE.
30. CONTRACTOR SHALL TRACE ALL EXISTING CIRCUITS TO BE REUSED OR TO BE REMOVED TO IDENTIFY SOURCE PANELS.
31. ALL NEW TRANSFORMER WINDINGS AND PANELBOARD BUS BARS SHALL BE COPPER.
32. ALL WORK SHALL BE IN COMFORMANCE OF THE 2021 INTERNATIONAL BUILDING CODE.

GENERAL NOTES: (DEMO, TEMPORARY)

1. DEMOLITION DRAWINGS ARE BASED ON EXISTING DRAWINGS AND NONDESTRUCTIVE FIELD INVESTIGATIONS. THE CONTRACTOR IS TO VISIT THE EXISTING BUILDING AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND EXAMINE RELATED DRAWINGS TO AVOID CONFLICTS. NOT ALL ITEMS REQUIRING DEMOLITION MAY BE SHOWN.
2. EXERCISE CARE IN REMOVING DEMOLITION ITEMS AND REPAIR OR REPLACE ANY DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN AT NO ADDITIONAL COST TO THE OWNER.
3. WHERE EQUIPMENT OR DEVICES ARE NOTED AS "REMOVE", REMOVE CONDUCTORS ASSOCIATED WITH THESE ITEMS TO THE LAST ACTIVE ITEM ON THE CIRCUIT, OR TO THE BRANCH CIRCUIT BREAKER IF ALL ITEMS ON THE CIRCUIT ARE REMOVED. REMOVE CONDUITS FOR THESE CIRCUITS WHERE THEY RUN EXPOSED OR IN CEILING OR FLOOR PLENUMS. CONDUITS RUN CONCEALED IN WALLS OR FLOOR SLABS SHALL BE CUT OFF FLUSH WITH SURFACE AND ABANDONED. VOIDS IN WALLS OR FLOOR SLABS LEFT BY THE REMOVAL OF ELECTRICAL EQUIPMENT OR CONDUITS SHALL BE FILLED WITH NON-SHRINK GROUT AND FINISHED TO MATCH EXISTING ADJACENT SURFACES.
4. PATCH AND PAINT ALL SURFACES WHERE EXISTING EQUIPMENT, CONDUIT, OR WIRING HAS BEEN REMOVED. PAINT SHALL MATCH ADJACENT SURFACES.
5. COORDINATE ANY REQUIRED POWER OUTAGES WITH THE CONSTRUCTION MANAGER AND OWNER WELL IN ADVANCE. DO NOT PROCEED WITH OUTAGE UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED FROM CONSTRUCTION MANAGER OR OWNER.
6. REMOVE EXISTING POWER AND LIGHTING DEVICES, FIXTURES AND EQUIPMENT WHICH ARE MADE OBSOLETE OR WHICH INTERFERE WITH CONSTRUCTION. REINSTALL ANY SUCH POWER AND LIGHTING DEVICES, FIXTURES AND EQUIPMENT WHICH ARE REQUIRED TO REMAIN ACTIVE FOR THE FACILITY TO BE FULLY FUNCTIONAL.
7. BALLASTS CONTAINING PCB'S AND FLUORESCENT LAMPS SHALL BE COLLECTED IN APPROVED CONTAINERS AND PROPERLY DISPOSED OF ACCORDING TO LOCAL REGULATIONS.
8. OWNER HAS FIRST RIGHT OF REFUSAL TO ALL EQUIPMENT SCHEDULED TO BE DEMOLISHED OR REMOVED. ALL REMAINING MATERIALS SHALL BE PROPERLY RECYCLED OR DISPOSED OF ACCORDING TO LOCAL REGULATIONS. PROVIDE WRITTEN CERTIFICATION THAT ALL MATERIALS WERE RECYCLED OR DISPOSED OF PROPERLY.
9. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.
10. WHERE WORK IS REQUIRED NEAR EXISTING EXPOSED ENERGIZED EQUIPMENT, PROVIDE SUITABLE TEMPORARY INSULATING BARRIERS AND POST "DANGER CIRCUIT ENERGIZED" SIGNS TO PROTECT WORKERS.
11. RELOCATE ALL EXISTING JUNCTION BOXES OR SIMILAR ELECTRICAL ITEMS WITH CODE REQUIRED ACCESS THAT WILL BE RENDERED INACCESSIBLE BY NEW CONSTRUCTION FURNISHED UNDER ANY DIVISION OF THE PROJECT AT NO ADDITIONAL EXPENSE TO THE OWNER.
12. ALL OUTLET BOXES WHICH MUST BE REMOVED DUE TO REMOVAL OF A WALL OR CEILING, AND WHICH MUST REMAIN ACTIVE IN ORDER TO MAINTAIN CIRCUIT CONTINUITY SHALL BE RELOCATED IN CEILING OR FLOOR, BE ACCESSIBLE, AND HAVE BLANK COVER PLATE INSTALLED WITH FINISH TO MATCH EXISTING OR NEW FINISH AS APPLICABLE.
13. DISPOSE OF TRASH AND CONSTRUCTION DEBRIS ON A DAILY BASIS FROM WORK AREA AND OFF JOB SITE PROPERTY. ALL TRASH AND CONSTRUCTION DEBRIS SHALL BE HAULED OFF JOB SITE TO AN APPROVED DISPOSAL SITE. ANY TRASH AND CONSTRUCTION DEBRIS DEEMED AS HAZARDOUS WASTE SHALL BE DISPOSED OF IN ACCORDANCE WITH EPA AND AT AN APPROVED HAZARDOUS WASTE DUMPSITE WITH ALL OF THE APPROVED/REQUIRED DOCUMENTATION.
14. PRIOR TO ANY UTILITY OUTAGE/INTERRUPTION, PREPARE A SCHEDULE OF SUCH OUTAGE. INCLUDE DURATION, IDENTIFICATION OF UTILITY AFFECTED, TEMPORARY UTILITY SERVICE TO BE PROVIDED (IF REQUIRED) AND THE ACTION TO BE TAKEN IN CASE OF AN EMERGENCY. ALL OUTAGES SHALL BE IN WRITING, FULLY COORDINATED AND APPROVED BY THE CITY OF PHILADELPHIA. ALL OUTAGES SHALL BE SCHEDULED AT LEAST 72 HOURS IN ADVANCE. UTILITY OUTAGES/INTERRUPTIONS WILL NORMALLY BE SCHEDULED BETWEEN THE HOURS OF 12:00AM AND 5:00AM.
15. PROVIDE TEMPORARY LIGHTING WITHIN THE WORKSPACE DURING CONSTRUCTION. ALL MEANS AND METHODS SHALL BE COORDINATED WITH GENERAL CONTRACTOR AND AIRPORT REPRESENTATIVE PRIOR TO INSTALLATION. PROVIDE A MINIMUM OF 25 FOOTCANDLES MEASURED ON THE FLOOR.

GENERAL NOTES: (EXISTING CONDITIONS)

1. THE ELECTRICAL PLANS INDICATE GENERAL INTENT AND ARE NOT INTENDED TO SHOW ALL COMPONENTS AND ITEMS. THE ELECTRICAL CONTRACTOR SHALL VISIT AND PERFORM FIELD INVESTIGATIONS AND OBTAIN RECORD DRAWINGS OF EACH SYSTEM PRIOR TO SUBMISSION OF THE BID, IN ORDER TO BECOME FAMILIAR WITH THE ACTUAL WORKING CONDITIONS AND EXTENT OF WORK. IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND THE ARCHITECT/ENGINEER OF ANY UNANTICIPATED OR HIDDEN CONDITIONS ENCOUNTERED DURING CONSTRUCTION.
2. EXISTING WIRING, CONDUIT, OR JUNCTION BOXES TO REMAIN WHICH CONFLICT WITH NEW BUILDING ELEMENTS, INCLUDING BUT NOT LIMITED TO MECHANICAL DUCTWORK, PIPING, EQUIPMENT, OR DROP CEILINGS SHALL BE REWORKED AT NO ADDITIONAL EXPENSE TO THE OWNER.
3. ALL RECEPTACLES, DEVICES, LIGHT FIXTURES AND EQUIPMENT NOT SHOWN IN AREAS OUTSIDE OF RENOVATION SHALL REMAIN ACTIVE UON. FURNISH AND INSTALL ACCESSIBLE JUNCTION BOXES AND REWORK EXISTING CIRCUITS AS REQUIRED TO MAINTAIN CONTINUITY.
4. EXISTING PANELBOARDS MODIFIED BY OR CONNECTED TO IN THIS PROJECT: CLEAN EXPOSED SURFACES AND CHECK TIGHTNESS OF ELECTRICAL CONNECTIONS. REPLACE DAMAGED CIRCUIT BREAKERS AND PROVIDE CLOSURE PLATES FOR VACANT POSITIONS. PROVIDE TYPED CIRCUIT DIRECTORY SHOWING REVISED CIRCUITING ARRANGEMENT.
5. ALL NEW CIRCUIT BREAKERS WITHIN EACH EXISTING PANELBOARD SHALL BE THE SAME MANUFACTURER, STYLE AND AIC RATING OF EXISTING PANELBOARD.
6. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED.
7. WHERE POSSIBLE THE CONTRACTOR MAY UTILIZE AT HIS OPTION EXISTING OUTLETS, BOXES, CONDUITS AND OTHER MATERIALS THAT COMPLY WITH THE SPECIFICATIONS AND APPLICABLE CODES. ASSOCIATED CONDUITS AND CONDUCTORS SHALL BE REWORKED TO ACCOMMODATE THE NEW FEEDERS AND CIRCUITING AS INDICATED ON THE DRAWINGS. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT, WHICH REMAIN OR ARE TO BE REUSED.
8. EXISTING ELECTRICAL SERVICE: MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITHCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTAGE DURATION.
9. LOCKOUT AND TAGOUT OF EQUIPMENT SHALL BE COORDINATED IN ADVANCE WITH THE RESIDENT PROJECT REPRESENTATIVE THROUGH THE CONSTRUCTION MANAGER.

GENERAL NOTES: (NEW; CROSS-DISCIPLINE)

1. EACH CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS OF ALL TRADES. REVIEW ALL PROJECT REQUIREMENTS PRIOR TO BIDDING. DISCREPANCIES BETWEEN DOCUMENTS SHALL BE REPORTED TO THE ENGINEER.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LIGHT FIXTURES, OCCUPANCY SENSORS, AND OTHER ELECTRICAL RELATED ITEMS TO BE INSTALLED IN THE CEILING. ALL CEILING DEVICES SHALL BE CENTERED ON CEILING TILES UON.
3. COORDINATE EXACT LOCATION AND INSTALLATION REQUIREMENTS OF OUTLETS/FEEDERS/CONNECTIONS SERVING COMMUNICATION, DATA AND SECURITY SYSTEMS EQUIPMENT WITH SYSTEMS DRAWINGS, APPROVED SHOP DRAWINGS AND THE SYSTEM INSTALLER.
4. REFER TO STRUCTURAL PLANS FOR ADDITIONAL INFORMATION CONCERNING THE STRUCTURAL SLAB PENETRATION LOCATIONS AND DETAILS.
5. COORDINATE EXACT LOCATION AND INSTALLATION REQUIREMENTS OF OUTLETS IN MILLWORK WITH ARCHITECTURAL DRAWINGS, APPROVED SHOP DRAWINGS AND MILLWORK INSTALLED PRIOR TO ROUGH-IN.
6. VERIFY EXACT LOCATION OF ALL EQUIPMENT WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
7. ALL MOTOR RATED TOGGLE SWITCHES SERVICING MECHANICAL AND PLUMBING EQUIPMENT SHALL BE FIELD INSTALLED AT SAME HEIGHT AS POWER CONNECTION POINT. FINAL INSTALLATION LOCATIONS TO BE COORDINATED IN THE FIELD PRIOR TO INSTALLATION.
8. VERIFY THE PROPER DIRECTION OF PHASE ROTATION OF ALL MOTORS BEFORE TESTING. DISCONNECT ALL COUPLINGS TO PREVENT DAMAGE TO DRIVEN EQUIPMENT.

GENERAL NOTES: (NEW; LIGHTING)

1. LOCATIONS OF LUMINAIRES ARE SHOWN DIAGRAMMATICALLY. VERIFY EXACT LOCATION AND SPACING WITH ARCHITECTURAL DRAWINGS AND ARCHITECT AT THE SITE DURING INSTALLATION.
2. VERIFY AND COORDINATE RECESSED LUMINAIRE INSTALLATION AND MOUNTING WITH ARCHITECTURAL DETAILS, HOUSING TYPE. FIELD CONDITIONS AND CEILING SYSTEM DETAILS INCLUDING GRID TYPE AND FLANGE REQUIREMENTS SUCH THAT THERE ARE NO LIGHT LEAKS BETWEEN LUMINAIRE AND CEILING SYSTEM AND LUMINAIRE CAN ACCOMMODATE CEILING THICKNESS.
3. VERIFY MOUNTING DETAILS WITH ARCHITECT AND/OR ARCHITECTURAL DRAWINGS AND ORDER ALL MOUNTING COMPONENTS NECESSARY FOR INSTALLATION OF LUMINAIRE AT NO ADDITIONAL COST, EVEN IF SUCH COMPONENTS ARE NOT SPECIFICALLY CALLED FOR IN THE CONTRACT DRAWINGS.
4. PROVIDE UNSWITCHED PHASE CONDUCTOR TO ALL FIXTURES WITH EMERGENCY BATTERY PACKS, INCLUDING EXIT SIGNS.
5. PROVIDE ADEQUATE CORD LENGTHS TO SUSPEND ALL PENDANT MOUNT LUMINAIRES AT THE HEIGHTS SHOWN ON THE ARCHITECTURAL DRAWINGS OR AS INDICATED WITHIN THE LIGHT FIXTURE SCHEDULE.
6. PROVIDE ADEQUATE AND STURDY SUPPORT FOR EACH LUMINAIRE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING WEIGHT AND MOUNTING METHOD OF ALL LUMINAIRES. FUNISH AND INSTALL SUITABLE SUPPORTS. LUMINAIRE MOUNTING ASSEMBLIES SHALL COMPLY WITH ALL LOCAL SEISMIC CODES AND REGULATIONS.
7. ALL 0-10V DRIVER(S) PROVIDED SHALL BE ISOLATED TO AVOID AC INTERFACE ON THE DIMMING LINE.
8. LOCATE ALL REMOTE 0-10V DRIVER(S) IN A SECURE, CONCEALED, ACCESSIBLE AND WELL-VENTILATED LOCATION IN COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS, OR AS SHOWN ON THE DRAWINGS.

ELECTRICAL ABBREVIATIONS

A, AMP	AMPERE
A/C	AIR CONDITIONER, AIR CONDITIONING
AC	ALTERNATING CURRENT
AC	ABOVE COUNTER
AF	AMP FRAME
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ALT	ALTERNATE
ANN	ANNUNCIATOR
APPROX	APPROXIMATELY
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AV, A/V	AUDIO/VIDEO
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BHS	BAGGAGE HANDLING SYSTEM
BIDS	BAGGAGE INFORMATION DISPLAY SCREEN
BKR	BREAKER
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
BOD	BASIS OF DESIGN
C, CND	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CORD	CORD REEL
COTR	CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE
CP	CIRCULATING PUMP
CR	CLOCK RECEPTACLE
CT	CURRENT TRANSFORMER
CTR	CENTER
CTRL	CONTROL
CU	COPPER
CUH	CABINET UNIT HEATER
CWP	CHILLED WATER PUMP
CWRP	CHILLED WATER RECIRCULATING PUMP
DC	DIRECT CURRENT
DCP	DOMESTIC CIRCULATING PUMP
DDC	DIRECT DIGITAL CONTROL
DIA	DIAMETER
DISC, DS	DISCONNECT, DISCONNECT SWITCH
DWG	DRAWING
(E), EX, EXST	EXISTING
(ER)	EXISTING TO BE RELOCATED
E, EM, EMERG	EMERGENCY
EA	EACH
EC	ELECTRICAL CONTRACTOR
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EGC	EQUIPMENT GROUNDING CONDUCTOR
EH	ELECTRIC HEATER
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMH	ELECTRICAL MANHOLE
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF
EPP	EMERGENCY POWER PACK
EQ	EQUAL
ERU	ENERGY RECOVERY UNIT
ERV	ENERGY RECOVERY VENTILATOR
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXT	EXTERIOR
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FDR	FEEDER
FIDS	FLIGHT INFORMATION DISPLAY SCREEN
FLA	FULL LOAD AMPERES
FLR	FLOOR
FMC	FLEXIBLE METAL CONDUIT
FT	FOOT (FEET)
G, GND	GROUND
GEC	GROUNDING ELECTRODE CONDUCTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GFR	GROUND FAULT RELAY
GPU	GROUND POWER UNIT
GRS	GALVANIZED RIGID STEEL
GWB	GYPSUM WALL BOARD
GWH	GAS WATER HEATER
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HMI	HUMAN MACHINE INTERFACE
HP	HORSEPOWER
HTR	HEATER
HWP	HOT WATER PUMP
HWRP	HOT WATER RECIRCULATING PUMP
HZ	HERTZ
IG	ISOLATED GROUND
IT	INFORMATION TECHNOLOGY
JB	JUNCTION BOX
KA	KILOAMPERES
KAIC	KILOAMPERES INTERRUPTING CURRENT
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KVAR	KILOVOLT AMPERES REACTIVE
KW	KILOWATTS
KWH	KILOWATT HOURS

ELECTRICAL ABBREVIATIONS

LB	LOAD BREAK
LC	LIGHTING CONTACTOR
LCP	LIGHTING CONTROL PANEL
LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT
LP	LIGHTNING PROTECTION
LRA	LOCKED ROTOR AMPERES
LSIG	LONG-TIME, SHORT-TIME, INSTANTANEOUS AND GROUND FAULT
LTG	LIGHTING
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CONTROL PANEL
MECH	MECHANICAL
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MRTS	MOTOR RATED TOGGLE SWITCH
MTD	MOUNTED
MV	MEDIUM VOLTAGE
(N)	NEW
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NECA	NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION
NESC	NATIONAL ELECTRICAL SAFETY CODE
NETA	NATIONAL ELECTRIC TESTING ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NFSS	NON-FUSED SAFETY SWITCH
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OCPD	OVERCURRENT PROTECTION DEVICE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P	POLE
PB	PUSH BUTTON
PBB	PASSENGER BOARDING BRIDGE
PCAIR	PRECONDITIONED AIR UNITS
PF	POWER FACTOR
PH, Ø	PHASE
PIDS	PASSENGER INFORMATION DISPLAY SCREEN
PM	PLUGMOLD
PNL	PANEL
PP	POWER PACK
PT	POTENTIAL TRANSFORMER
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
PWC	POTABLE WATER CABINET
PWR	POWER
QTY	QUANTITY
(R)	REMOVE
RCPT	RECEPTACLE
REQ'D	REQUIRED
RF	RETURN FAN
RGS	RIGID GALVANIZED STEEL
RLA	RUNNING LOAD AMPERES
RM	ROOM
RMC	RIGID METAL CONDUIT
RNC	RIGID NON-METALLIC CONDUIT
RP	RECIRCULATING PUMP
S/N	SOLID NEUTRAL
SCCR	SHORT CIRCUIT CURRENT RATING
SEC	SECONDARY
SF	SQUARE FOOTAGE
SP	SUMP PUMP
SPD	SURGE PROTECTION DEVICE
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYS	SYSTEM
T, XFMR	TRANSFORMER
TBD	TO BE DETERMINED
TC	TIMECLOCK
TDDE	TIME-DELAY DUAL ELEMENT (FUSES)
TEL	TELEPHONE
TELE	TELECOMMUNICATIONS
TMH	TELECOMMUNICATIONS MANHOLE
TMP	TEMPERATURE
TR	TAMPER RESISTANT
TYP	TYPICAL
UE	UNDERGROUND ELECTRIC
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
V	VOLTAGE
VA	VOLT-AMPERES
VFC	VARIABLE FREQUENCY CONTROLLER
VFD	VARIABLE FREQUENCY DRIVE
VIF	VERIFY IN FIELD
W	WATTS
W	WIRE
W/	WITH
WH	WATER HEATER
WP	WEATHER-PROOF

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — FARES AL JUHESHI — ENGINEER — PE059564

Fares Al Juheshi
2026.04.10 07:02:09-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL GENERAL NOTES & ABBREVIATIONS

PROJECT NO. (CITY | SMP)	52025-E-06-01 | 718.10
DATE	04/09/2026
SCALE	AS NOTED
DRAWN BY	JEP
CHECKED BY	FAJ

DRAWING NO.
E0.0

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

ELECTRICAL EQUIPMENT

A — AUTOMATIC TRANSFER SWITCH

G — GENERATOR

PANELBOARD - 208V OR 240V WITH WORKING CLEARANCE

PANELBOARD - 480V WITH WORKING CLEARANCE

T — TRANSFORMER

U — UNINTERRUPTIBLE POWER SOURCE

ELECTRICAL EQUIPMENT W/ WORKING CLEARANCE AS PER NEC 110.26

ABC-#
XXX: ##

ELECTRICAL EQUIPMENT DESIGNATIONS:
- "ABC-#" REFLECTS ASSOCIATED NAMEPLATE (ABBREVIATED) AND ASSOCIATED DESIGNATION NUMBER FOR RESPECTIVE ELECTRICAL EQUIPMENT.
- "XXX: ##" RELFECTS ASSOCIATED CIRCUITING INFORMATION FOR RESPECTIVE ELECTRICAL EQUIPMENT, REFER TO PANEL SCHEDULE FOR MORE INFORMATION

ELECTRICAL FIXTURES

DISCONNECT SWITCH - FUSED, SIZE AND RATING PER LOCAL DISCONNECT SWITCH SCHEDULE

DISCONNECT SWITCH - NON-FUSED, SIZE AND RATING PER LOCAL DISCONNECT SWITCH SCHEDULE

SINGLE RECEPTACLE, 125V, NEMA 5-20R

DUPLEX RECEPTACLE, 125V, NEMA 5-20R

GFI RECEPTACLE - DUPLEX RECEPTACLE, 125V, NEMA 5-20R

J — JUNCTION BOX - CEILING MOUNT, 4" SQUARE X 2-1/8" DEEP, UON

J — JUNCTION BOX - FLOOR MOUNT, 4" SQUARE X 2-1/8" DEEP, UON

J — JUNCTION BOX - WALL MOUNT, 4" SQUARE X 2-1/8" DEEP, UON

$M — MOTOR RATED TOGGLE SWITCH, SIZE AND RATING PER LOCAL DISCONNECT SWITCH SCHEDULE

QUAD RECEPTACLE, 125V, NEMA 5-20R

SPECIAL RECEPTACLE, REFER TO SPECIAL RECEPTACLE SCHEDULE NOTES

FB — FLOOR BOX WITH 2 DUPLEX RECEPTACLES / 2 DATA JACKS

FP — POKE-THRU DEVICE WITH 2 DUPLEX RECEPTACLES / 2 DATA JACKS

+XX" WP XXX: ##

ELECTRICAL RECEPTACLE DESIGNATIONS:
NOTE: RECEPTACLE TYPE MAY VARY

- "B" INDICATES "BIDS"
- "CR" INDICATES "CLOCK RECEPTACLE"
- "F" INDICATES "FIDS"
- "IG" INDICATES "ISOLATED GROUND"
- "M" INDICATES "MONITOR"
- "P" INDICATES "PIDS"
- "PM" INDICATES "PLUGMOLD"
- "TR" INDICATES "TAMPER RESISTANT"
- "TV" INDICATES "TELEVISION"
- "WP" INDICATES "WEATHER RESISTANCE RATED"
- "XXX: ##" RELFECTS ASSOCIATED CIRCUITING INFORMATION FOR ELECTRICAL FIXTURE/DEVICE, REFER TO PANEL SCHEDULE FOR MORE INFORMATION
- "+XX" INDICATES MOUNTING HEIGHT OF ELECTRICAL FIXTURE (IN INCHES) NOT DEFINED BY STANDARD MOUNTING HEIGHTS.

ABC-#
XXX: ##

ELECTRICAL FIXTURE DESIGNATIONS:

- "ABC-#" REFLECTS ASSOCIATED NAMEPLATE (ABBREVIATED) AND ASSOCIATED DESIGNATION NUMBER FOR ELECTRICAL FIXTURE/DEVICE (LOCAL DISCONNECT SWITCH) PER OTHER DISCIPLINE DRAWINGS.
- "XXX: ##" RELFECTS ASSOCIATED CIRCUITING INFORMATION FOR ELECTRICAL FIXTURE/DEVICE, REFER TO PANEL SCHEDULE FOR MORE INFORMATION

PLAN EXAMINER STAMP AREA:

LIGHT FIXTURES

CEILING RECESSED / SURFACE - RECTANGULAR

CEILING RECESSED / SURFACE - SQUARE

EXIT SIGN - CEILING MOUNT - ARROWS/SHADING INDICATE DIRECTION/FACE

EXIT SIGN - WALL MOUNT - ARROWS/SHADING INDICATE DIRECTION/FACE

EXIT SIGN - WALL MOUNT EXTENDED - ARROWS/SHADING INDICATE DIRECTION/FACE

XXX: ##
A1
a

XXX: ##
A1
a

LIGHT FIXTURE DESIGNATIONS:
- "XXX: ##" REFLECTS ASSOCIATED CIRCUITING INFORMATION FOR LIGHT FIXTURE. REFER TO PANEL SCHEDULE FOR MORE INFORMATION
- "A1" REFLECTS ASSOCIATED LIGHT FIXTURE TYPE FOR LIGHT FIXTURE, TYPICAL ALL UPPER CASE LETTERS ("X" FOR EXIT SIGNS, ALL OTHER LETTERS EXCEPT "E" FOR ALL OTHER LIGHT FIXTURES). REFER TO LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION.
- "a" REFLECTS ASSOCIATED LIGHTING CONTROL ZONE FOR LIGHT FIXTURE, TYPICAL ALL LOWER CASE LETTERS (EXCEPT "e"), REFER TO LIGHTING CONTROL SCHEDULE FOR MORE INFORMATION

LIGHTING CONTROLS

$LV — LIGHT SWITCH - DIGITAL SWITCH, 20A, 120/277V

$D — LIGHT SWITCH - DIMMER SWITCH, 20A, 120/277V

$DO — LIGHT SWITCH - DIMMING OCCUPANCY SENSOR SWITCH, 20A, 120/277V

$K — LIGHT SWITCH - KEY SWITCH, 20A, 120/277V

$OS — LIGHT SWITCH - OCCUPANCY SENSOR SWITCH, 20A, 120/277V

$ — LIGHT SWITCH - TOGGLE SWITCH, 20A, 120/277V

$WP — LIGHT SWITCH - WEATHERPROOF TOGGLE SWITCH, 20A, 120/277V

$3D — LIGHT SWITCH - 3-WAY DIMMER SWITCH, 20A, 120/277V

$3 — LIGHT SWITCH - 3-WAY SWITCH, 20A, 120/277V

$4D — LIGHT SWITCH - 4-WAY DIMMER SWITCH, 20A, 120/277V

$4 — LIGHT SWITCH - 4-WAY SWITCH, 20A, 120/277V

OS — OCCUPANCY SENSOR - CEILING MOUNT, DUAL TECHNOLOGY, PROVIDE WITH POWER PACK AND NECESSARY MOUNTING BRACKETS.

$a OS

LIGHTING CONTROL DEVICE DESIGNATIONS:
- "a" REFLECTS ASSOCIATED LIGHTING CONTROL ZONE, TYPICAL ALL LOWER CASE LETTERS (EXCEPT "e")

SINGLE-LINE DIAGRAM

E N L — AUTOMATIC TRANSFER SWITCH (NO BYPASS)

DISCONNECT SWITCH - FUSED

DISCONNECT SWITCH - NON-FUSED

ENCLOSED CIRCUIT BREAKER

XXX — FEEDER DESIGNATION TAG

FUSE

GROUNDING WIRE

K — KIRK KEY

LOW VOLTAGE DRAWOUT CIRCUIT BREAKER

MEDIUM VOLTAGE DRAWOUT CIRCUIT BREAKER

XXX — MEDIUM VOLTAGE RELAY

M — METER

MOLDED CASE CIRCUIT BREAKER

PANEL — PANELBOARD

SPD — SURGE PROTECTION DEVICE

TRANSFORMER

STANDARD MOUNTING HEIGHTS

12" BELOW FINISHED CEILING	BATTERY LIGHTING UNITS AND REMOTE WALL MOUNTED LIGHT HEADS (OR 1'-0" BELOW FINISHED CEILING TO TOP OF UNIT
108"	PENDANT-HUNG INDUSTRIAL AND STRIP LIGHTING FIXTURES
80"	TOP OF BACK-MOUNTED WALL EXIT FIXTURES (NOT MOUNTED ABOVE DOORS)
72"	TOP OF HIGHEST ELECTRICAL ELECTRICAL EQUIPMENT AND FIXTURES (DISCONNECT SWITCHES, MAGNETIC STARTERS, CONTACTORS, PANELBOARDS)
46"	LIGHTING SWITCHES
18" - 24"	RECEPTACLES
0"	FINISHED FLOOR

NOTES:

1. MOUNTING HEIGHTS TO BE AT CENTER OF DEVICES UNLESS OTHERWISE NOTED.
2. THE ABOVE MOUNTING HEIGHTS SHALL BE ADHERED TO UNLESS NOTED OTHERWISE ON THE DRAWINGS OR SPECIFICATIONS.

DETAIL CALLOUT SYMBOLS

/ SHT — DETAIL REFERENCE
"#" DENOTES DETAIL NUMBER
"SHT" DENOTES SHEET NUMBER

/ SHT — ELEVATION OR SECTION IDENTIFIER
"#" DENOTES DETAIL NUMBER
"SHT" DENOTES SHEET NUMBER

X / # — EQUIPMENT TAG
"X" DENOTES EQUIPMENT ABBREVIATION
"#" DENOTES RESPECTIVE EQUIPMENT NUMBER

— KEY NOTE - DEMOLITION

(#) — KEY NOTE - NEW WORK

PRESENTATION:

ELECTRICAL EQUIPMENT DESIGNATED BY SOLID HEAVY LINE WEIGHT INDICATES NEW WORK TO BE PROVIDED.

ELECTRICAL EQUIPMENT DESIGNATED BY SOLID LIGHT LINE WEIGHT INDICATES EXISTING EQUIPMENT TO REMAIN, UNLESS OTHERWISE INDICATED.

ELECTRICAL EQUIPMENT DESIGNATED BY DASHED HEAVY LINE WEIGHT REPRESENTS EXISTING EQUIPMENT TO BE REMOVED AND DISPOSED, UNLESS INDICATED TO BE REMOUNTED, RELOCATED, OR TURNED OVER TO OWNER.

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED
PROFESSIONAL
FARES AL JUHESHI
ENGINEER
PE059564

Fares Al Juheshi
2026.04.10 07:02:23-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

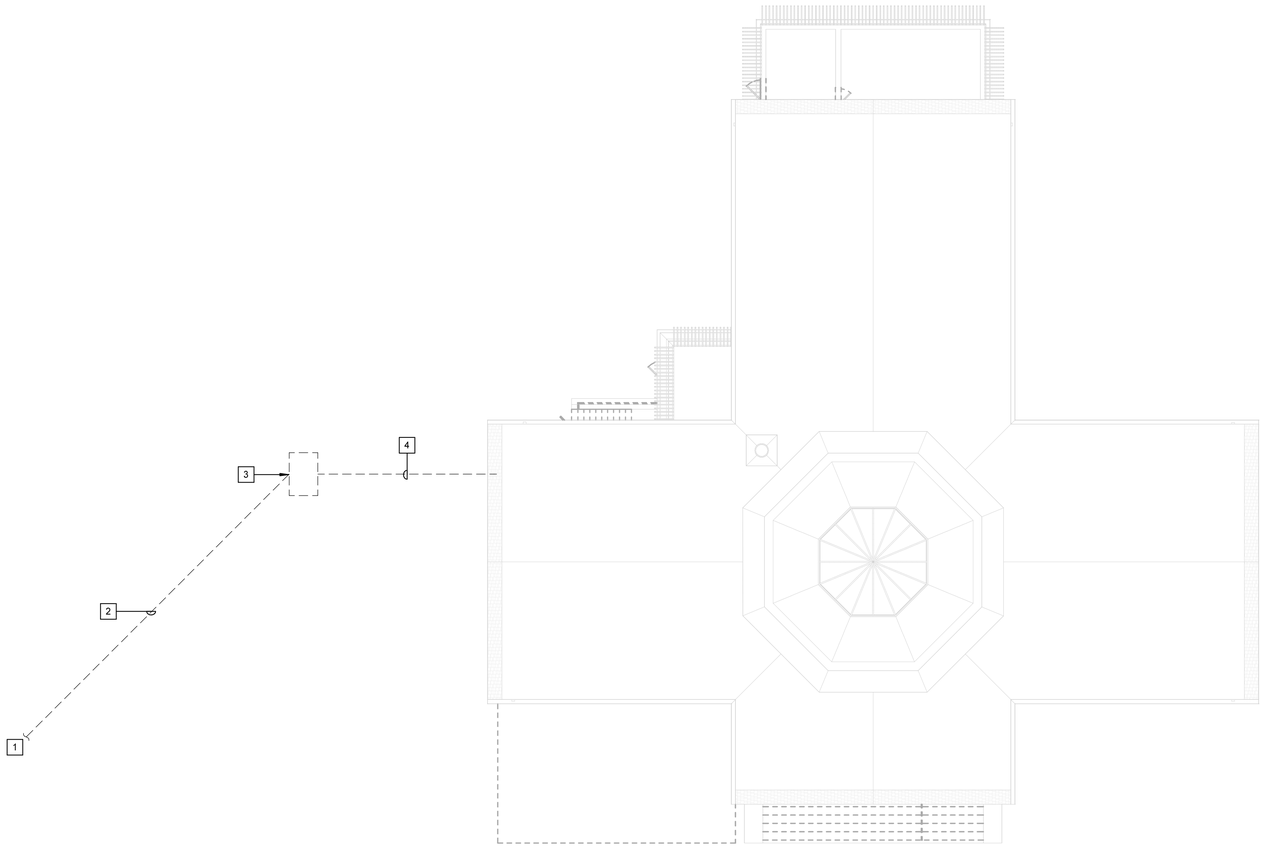
CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL SYMBOLS

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO.: E0.1
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: Author	
CHECKED BY: FAJ	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



1 / ED2.0 ELECTRICAL PLAN - SITE DEMOLITION
1" = 10'-0"

PLAN EXAMINER STAMP AREA:

ELECTRICAL SITE PLAN DEMOLITION KEY NOTES: #

1. EXISTING PECO 13.2 DISTRIBUTION ROUTED TO EXISTING PECO VAULT.
2. (E) 15KV RATED, SHIELDED EPR MV CABLE, 3 #2 100% CONCENTRIC WITH A #4 GND., IN A 2-WAY 3" DUCTBANK (1-ACTIVE, 1-SPARE) TO REMAIN.
3. EXISTING 150kVA: 13.2 PRIMARY - 208/120V SECONDARY TRANSFORMER TO BE REMOVED. COORDINATE ALL REQUIREMENTS WITH UTILITY COMPANY PRIOR TO COMMENCING ANY WORK.
4. EXISTING UNDERGROUND FEEDER FROM 150kVA TRANSFORMER TO INTERIOR CT METERING COMPARTMENT/UTILITY METER TO BE REMOVED. COORDINATE REMOVAL OF CT AND METERING EQUIPMENT WITH UTILITY COMPANY.

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
FARES AL JUHESHI
ENGINEER
PE059564

Fares Al Juheshi
2026.04.10 07:02:29-04'00'

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Philadelphia, PA 19103
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1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

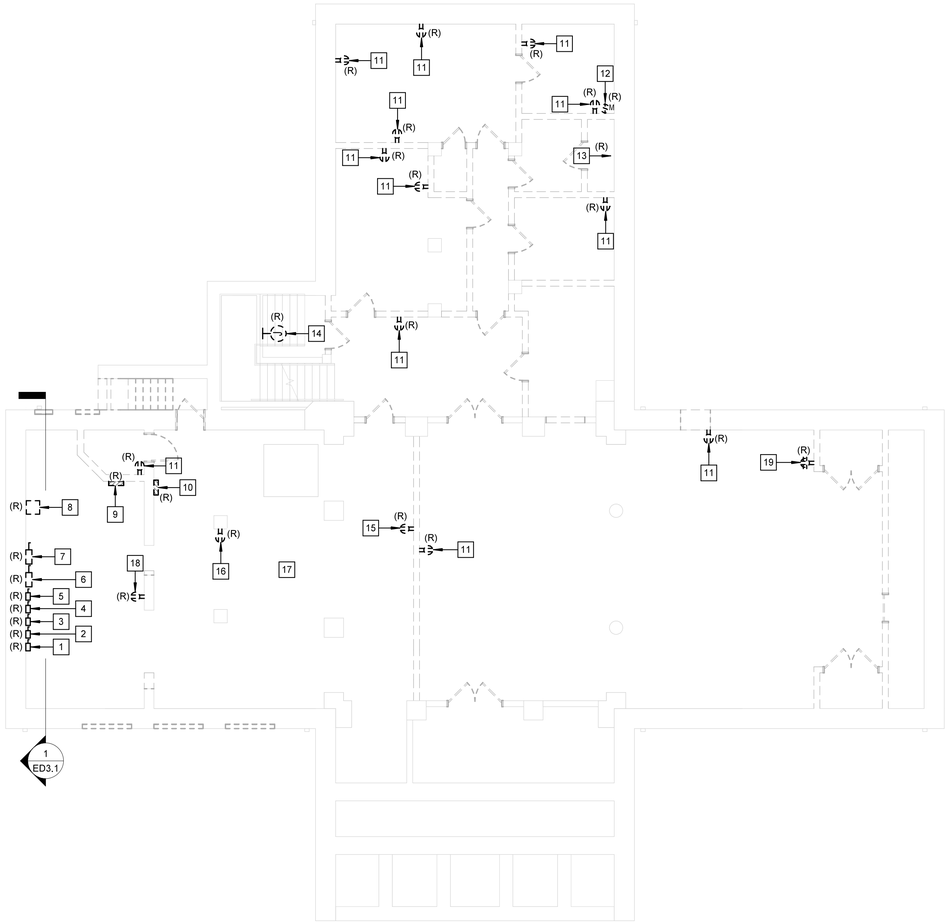
CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL DEMOLITION SITE PLAN

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO.: ED2.0
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: JEP	
CHECKED BY: FAJ	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

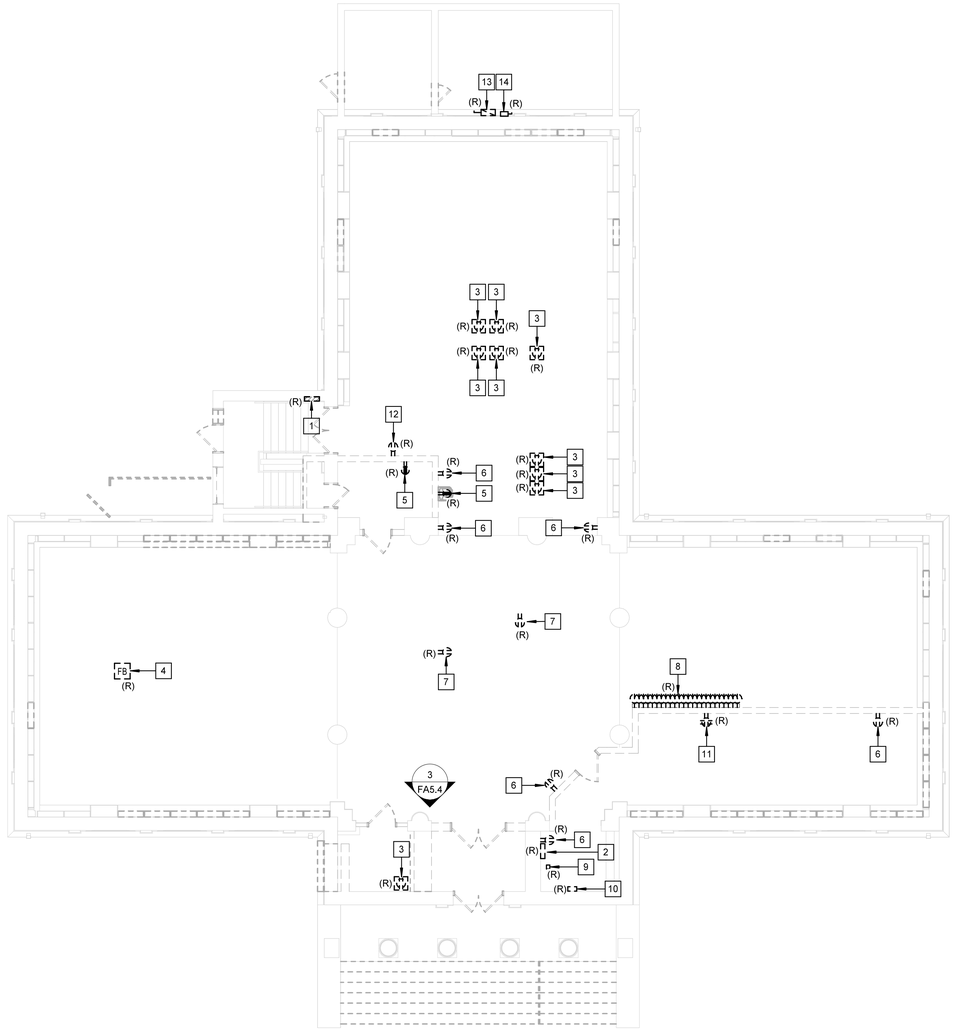


PROJECT NORTH

0' 4' 8' 16'

2 ED2.1 ELECTRICAL DEMOLITION PLAN - LOWER LEVEL

1/8" = 1'-0"



PROJECT NORTH

0' 4' 8' 16'

1 ED2.1 ELECTRICAL DEMOLITION PLAN - ENTRY LEVEL

1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

LOWER LEVEL DEMOLITION GENERAL NOTES:

1. NOT ALL ELECTRICAL DEVICES MAY BE SHOWN ON PLANS. ELECTRICAL CONTRACTOR SHALL DEMOLISH ALL INTERIOR DEVICES AND REMOVE CONDUIT AND WIRING BACK TO SOURCE. ANY DEVICES INCLUDING CONDUIT AND WIRING AND THAT HAS BEEN ABANDONED IN PLACE SHALL BE REMOVED.

LOWER LEVEL DEMOLITION KEY NOTES: #

1. EXISTING 100A/3P DISCONNECT SWITCH FOR AHU-1 TO BE REMOVED.
2. EXISTING 30A/1P DISCONNECT SWITCH FOR ALARM SYSTEM TO BE REMOVED.
3. EXISTING 100A/3P DISCONNECT SWITCH FOR PANEL 'LIBRARY' TO BE REMOVED.
4. EXISTING 100A/3P DISCONNECT SWITCH FOR PANEL 'L' TO BE REMOVED.
5. EXISTING 100A/3P DISCONNECT SWITCH FOR PANEL 'L2' TO BE REMOVED.
6. EXISTING 200A/3P DISCONNECT SWITCH FOR PANEL 'PP' TO BE REMOVED.
7. EXISTING 400A/3P SERVICE DISCONNECT SWITCH TO BE REMOVED.
8. EXISTING PECO UTILITY METER TO BE REMOVED.
9. EXISTING 225A, 3-PH PANEL 'PP' TO BE REMOVED.
10. EXISTING 100A, 3-PH PANEL 'LIBRARY' TO BE REMOVED.
11. EXISTING DUPLEX RECEPTACLE TO BE REMOVED.
12. EXISTING MOTOR RATED SWITCH FOR EXHAUST FAN TO BE REMOVED.
13. EXISTING ELECTRIC HEATER TO BE REMOVED.
14. EXISTING CONNECTION TO EXHAUST FAN. CIRCUITRY TO BE REMOVED.
15. EXISTING RECEPTACLE AT 6'-0" AFF TO BE REMOVED.
16. EXISTING RECEPTACLE AT 3'-0" AFF TO BE REMOVED.
17. ALL MECHANICAL ITEMS IN ROOM TO BE REMOVED. REMOVE ALL ASSOCIATED CONDUIT AND WIRING.
18. EXISTING RECEPTACLE AT 4'-0" AFF TO BE REMOVED.
19. EXISTING QUAD RECEPTACLE TO BE REMOVED.

ENTRY LEVEL DEMOLITION GENERAL NOTES:

1. NOT ALL ELECTRICAL DEVICES MAY BE SHOWN ON PLANS. ELECTRICAL CONTRACTOR SHALL DEMOLISH ALL INTERIOR AND EXTERIOR DEVICES AND REMOVE CONDUIT AND WIRING BACK TO SOURCE. ANY DEVICES INCLUDING CONDUIT AND WIRING AND THAT HAS BEEN ABANDONED IN PLACE SHALL BE REMOVED.

ENTRY LEVEL DEMOLITION KEY NOTES: #

1. EXISTING 225A, 3-PH PANEL 'L2' TO BE REMOVED.
2. EXISTING 100A, 3-PH PANEL 'L' TO BE REMOVED.
3. EXISTING FLOOR MOUNTED RECEPTACLE TO BE REMOVED.
4. EXISTING FLOOR BOX WITH (3) DUPLEX RECEPTACLES TO BE REMOVED.
5. EXISTING GFCI RECEPTACLE TO BE REMOVED.
6. EXISTING DUPLEX RECEPTACLE TO BE REMOVED.
7. EXISTING DUPLEX RECEPTACLE MOUNTED ON FURNITURE TO BE REMOVED.
8. EXISTING 12-0" SURFACE WALL-MOUNTED PLUGMOLD ABOVE COUNTER TO BE REMOVED.
9. (3) EXISTING LIGHTING TIME CLOCKS TO BE REMOVED.
10. EXISTING BACKUP EMERGENCY LIGHTING INVERTER TO BE REMOVED.
11. EXISTING QUAD RECEPTACLE TO BE REMOVED.
12. EXISTING RECEPTACLE LOCATED ABOVE SECURITY PANEL TO BE REMOVED.
13. EXISTING AC-1 DISCONNECT SWITCH TO BE REMOVED.
14. EXISTING AC-2 DISCONNECT SWITCH TO BE REMOVED.

REVISIONS

ISSUE	DATE	REVISIONS

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REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL FARES AL JUHESHI ENGINEER PE059564

Fares Al Juheshi
2026.04.10 07:02:35-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

ELECTRICAL DEMOLITION POWER PLANS - LOWER & ENTRY LEVEL

PROJECT NO. [CITY] [SMP] 52025-E-06-01 | 718.10	DRAWING NO. ED2.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JEP	
CHECKED BY FAJ	

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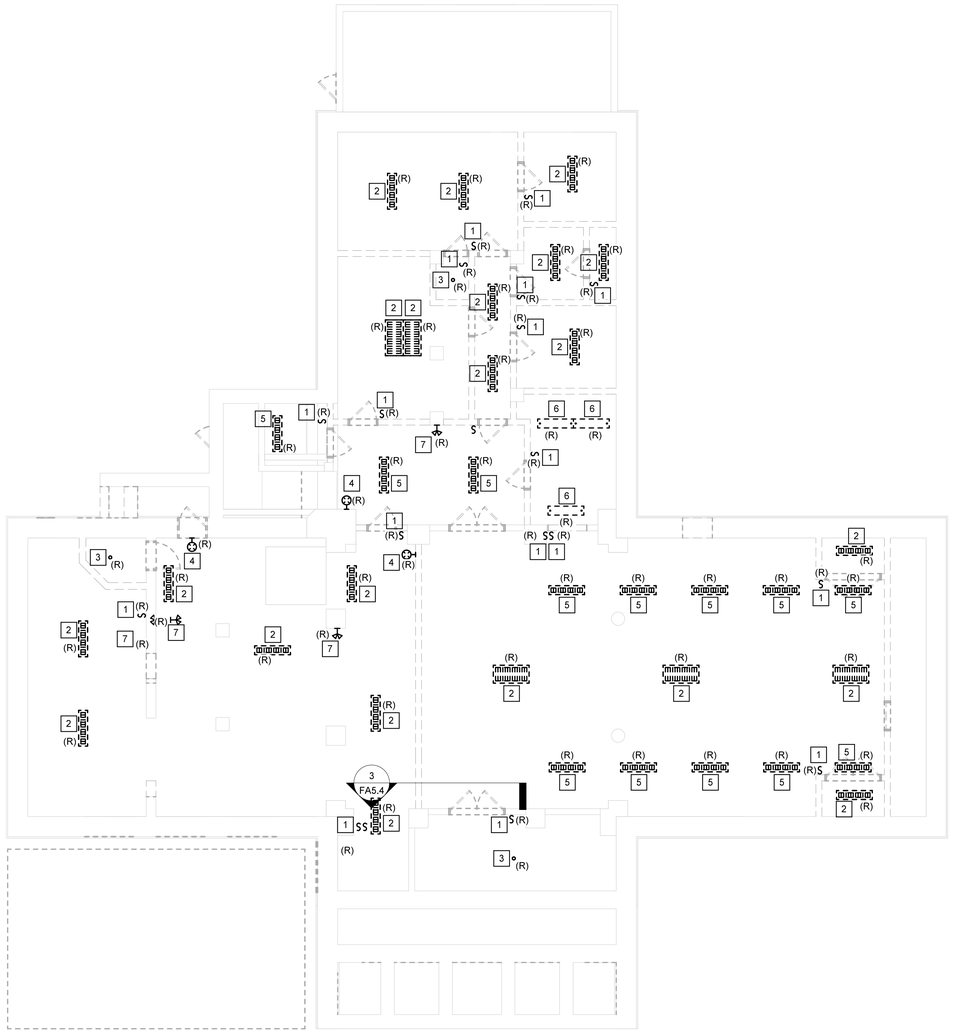
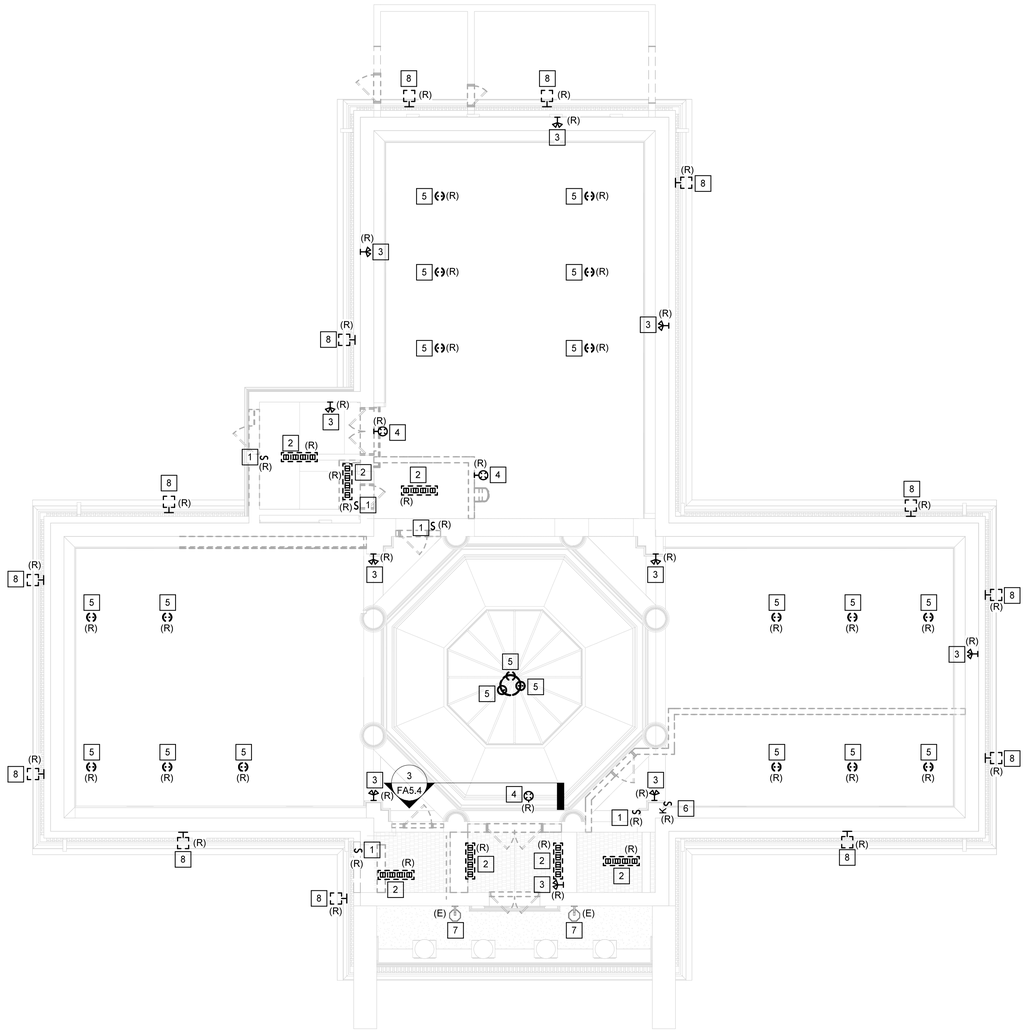


PROJECT NORTH

0' 4' 8' 16'

2 ED2.3 ELECTRICAL DEMOLITION LIGHTING PLAN - LOWER LEVEL

1/8" = 1'-0"



PROJECT NORTH

0' 4' 8' 16'

1 ED2.3 ELECTRICAL DEMOLITION LIGHTING PLAN - ENTRY LEVEL

1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

LOWER LEVEL DEMOLITION GENERAL NOTES:

1. NOT ALL ELECTRICAL DEVICES MAY BE SHOWN ON PLANS. ELECTRICAL CONTRACTOR SHALL DEMOLISH ALL INTERIOR DEVICES AND REMOVE CONDUIT AND WIRING BACK TO SOURCE. ANY DEVICES INCLUDING CONDUIT AND WIRING AND THAT HAS BEEN ABANDONED IN PLACE SHALL BE REMOVED.

LOWER LEVEL DEMOLITION KEY NOTES: #

1. EXISTING LIGHT SWITCH, CONDUIT, AND WIRING TO BE REMOVED.
2. EXISTING CEILING MOUNTED LIGHT FIXTURE,CONDUIT, AND WIRING TO BE REMOVED.
3. EXISTING CEILING MOUNTED FIXTURE WITH PORCELAIN SOCKET, CONDUIT, AND WIRING TO BE REMOVED.
4. EXISTING EXIT SIGN, CONDUIT, AND WIRING TO BE REMOVED.
5. EXISTING CEILING RECESSED LIGHT FIXTURE,CONDUIT, AND WIRING TO BE REMOVED.
6. EXISTING CEILING PENDANT FIXTURE, CONDUIT, AND WIRING TO BE REMOVED.
7. EXISTING BACKUP EMERGENCY LIGHTING INVERTER, CONDUIT, AND WIRING TO BE REMOVED.

ENTRY LEVEL DEMOLITION GENERAL NOTES:

1. NOT ALL ELECTRICAL DEVICES MAY BE SHOWN ON PLANS. ELECTRICAL CONTRACTOR SHALL DEMOLISH ALL INTERIOR AND EXTERIOR DEVICES AND REMOVE CONDUIT AND WIRING BACK TO SOURCE. ANY DEVICES INCLUDING CONDUIT AND WIRING AND THAT HAS BEEN ABANDONED IN PLACE SHALL BE REMOVED.

ENTRY LEVEL DEMOLITION KEY NOTES: #

1. EXISTING LIGHT SWITCH, CONDUIT, AND WIRING TO BE REMOVED.
2. EXISTING CEILING MOUNTED LIGHT FIXTURE,CONDUIT, AND WIRING TO BE REMOVED.
3. EXISTING BACKUP EMERGENCY LIGHTING INVERTER, CONDUIT, AND WIRING TO BE REMOVED.
4. EXISTING EXIT SIGN, CONDUIT, AND WIRING TO BE REMOVED.
5. EXISTING CEILING MOUNTED PENDANT FIXTURE AND WIRING AT THE OCULUS TO BE REMOVED. THE EXISTING CONDUIT ROUTED TO THE PENDANT FIXTURE IS CONCEALED AND ROUTED THROUGH A RIB UP TO THE OCULUS LOCATION. THE CONTRACTOR SHALL TRACE THIS CONDUIT FROM THE OCULUS TO THE COVE AREA AT LEAVE FOR REROUTING TO OCULUS. THIS SECTION OF EXISTING CONDUIT IS CONCEALED, AND IT SHALL BE EXTENDED TO NEW LIGHTING CONDUIT IN THE PROPOSED LIGHTING PLAN. ALL CONDUIT AND WIRING FROM THE COVE BACK TO SOURCE SHALL BE REMOVED.
6. EXISTING KEYED LIGHT SWITCH, CONDUIT, AND WIRING TO BE REMOVED.
7. REMOVE EXISTING CONDUIT AND WIRING FROM HISTORICAL WALL SCONCE FIXTURE BACK TO SOURCE. EXISTING FIXTURE SHALL BE RESTORED BY THE ELECTRICAL CONTRACTOR. FURNISH AND INSTALL A LED RETROFIT KIT AND REWIRE THE FIXTURE TO PROPERLY FUNCTION. LED RETROFIT KIT OPTIONS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
8. EXISTING EXTERIOR WALLPACK FIXTURE, CONDUIT, AND WIRING TO BE REMOVED.

REVISIONS

ISSUE	DATE	REVISIONS

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CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR

REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL FARES AL JUHESHI ENGINEER PE099564

Fares Al Juheshi
2026.04.10 07:02:42-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

ELECTRICAL DEMOLITION LIGHTING PLANS - LOWER & ENTRY LEVEL

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. ED2.3
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JEP	
CHECKED BY FAJ	Rev.

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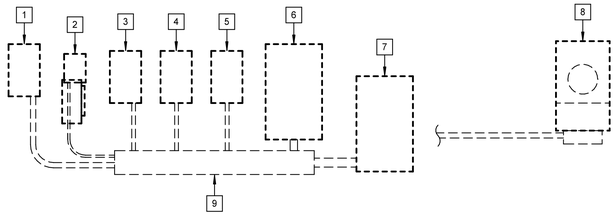

1 ED3.1 ELECTRICAL DEMOLITION ELEVATION
1/2" = 1'-0"

PLAN EXAMINER STAMP AREA:

LOWER LEVEL ELEVATION DEMOLITION NOTES: #

1. EXISTING 100A/3P DISCONNECT SWITCH FOR AHU-1 TO BE REMOVED.
2. EXISTING 30A/1P DISCONNECT SWITCH FOR ALARM SYSTEM TO BE REMOVED.
3. EXISTING 100A/3P DISCONNECT SWITCH FOR PANEL 'LIBRARY' TO BE REMOVED.
4. EXISTING 100A/3P DISCONNECT SWITCH FOR PANEL 'L' TO BE REMOVED.
5. EXISTING 100A/3P DISCONNECT SWITCH FOR PANEL 'L2' TO BE REMOVED.
6. EXISTING 200A/3P DISCONNECT SWITCH FOR PANEL 'PP' TO BE REMOVED.
7. EXISTING 400A/3P SERVICE DISCONNECT SWITCH TO BE REMOVED.
8. EXISTING PECO UTILITY METER TO BE REMOVED.
9. EXISTING ELECTRICAL WIRE TROUGH TO BE REMOVED.

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED
PROFESSIONAL
FARES AL JUHESHI
ENGINEER
PE059564

Fares Al Juheshi
2026.04.10 07:02:48-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL DEMOLITION ELEVATIONS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. ED3.1
DATE 04/09/2026	
SCALE AS NOTED	
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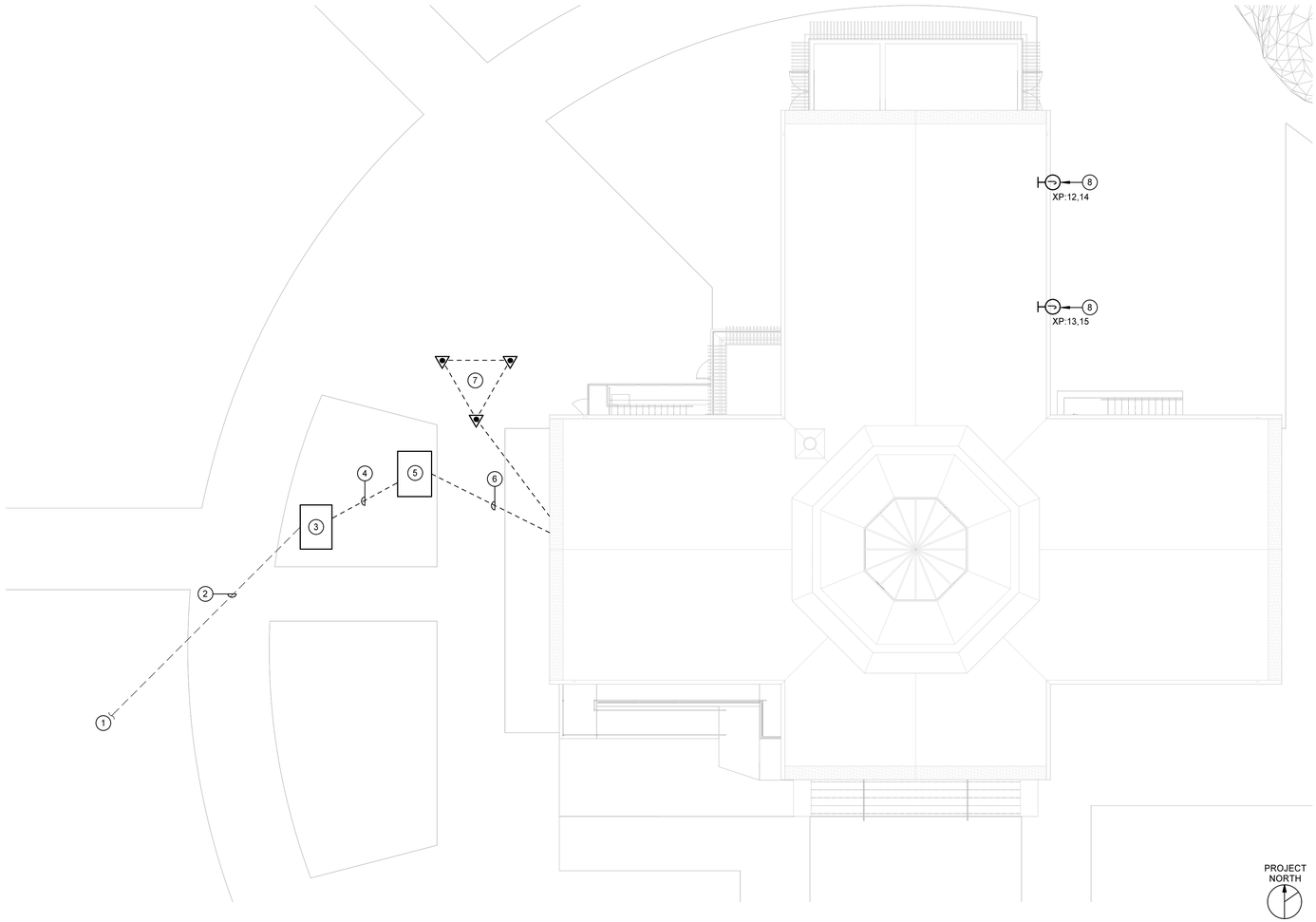

1 / E2.0 ELECTRICAL PLAN - SITE
1" = 10'-0"

PLAN EXAMINER STAMP AREA:

ELECTRICAL SITE PLAN KEY NOTES: (#)

1. EXISTING PECO 13.2 DISTRIBUTION TO EXISTING PECO VAULT
2. (E) 15KV RATED, SHIELDED EPR MV CABLE, 3 #2 100% CONCENTRIC WITH A #4 GND., IN A 2-WAY 3" DUCTBANK (1-ACTIVE, 1-SPARE) TO REMAIN. UTILIZE EXISTING FEEDERS, CAP EXISTING SPARE CONDUIT.
3. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A NEW NEMA 3R PAD-MOUNTED, SERVICE ENTRANCE RATED 15KV FUSED DISCONNECT WITH METERING COMPARTMENT.
4. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL PECO APPROVED MV CABLE, 3 #2 SHIELDED EPR, 15KV RATED, IN 3" PVC DUCTBANK.
5. PECO PROVIDED 300kVA: 13.2 PRIMARY - 208/120V SECONDARY UTILITY TRANSFORMER. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL INTERCONNECTION REQUIREMENTS WITH UTILITY COMPANY PRIOR TO COMMENCING WORK.
6. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL FEEDER FROM 300kVA TRANSFORMER TO PROPOSED 'MDP' IN LOWER LEVEL MECHANICAL ROOM.
7. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL GROUNDING TRIAD.
8. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER FOR A 2-VEHICLE, LEVEL 2 ELECTRICAL VEHICLE CHARGER. COORDINATE ALL POWER REQUIREMENTS WITH SHOP DRAWINGS.

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
FARES AL JUHESHI
ENGINEER
PE059564
Fares Al Juheshi
2026.04.10 07:02:55-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL SITE PLAN

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. E2.0
DATE 04/09/2026	
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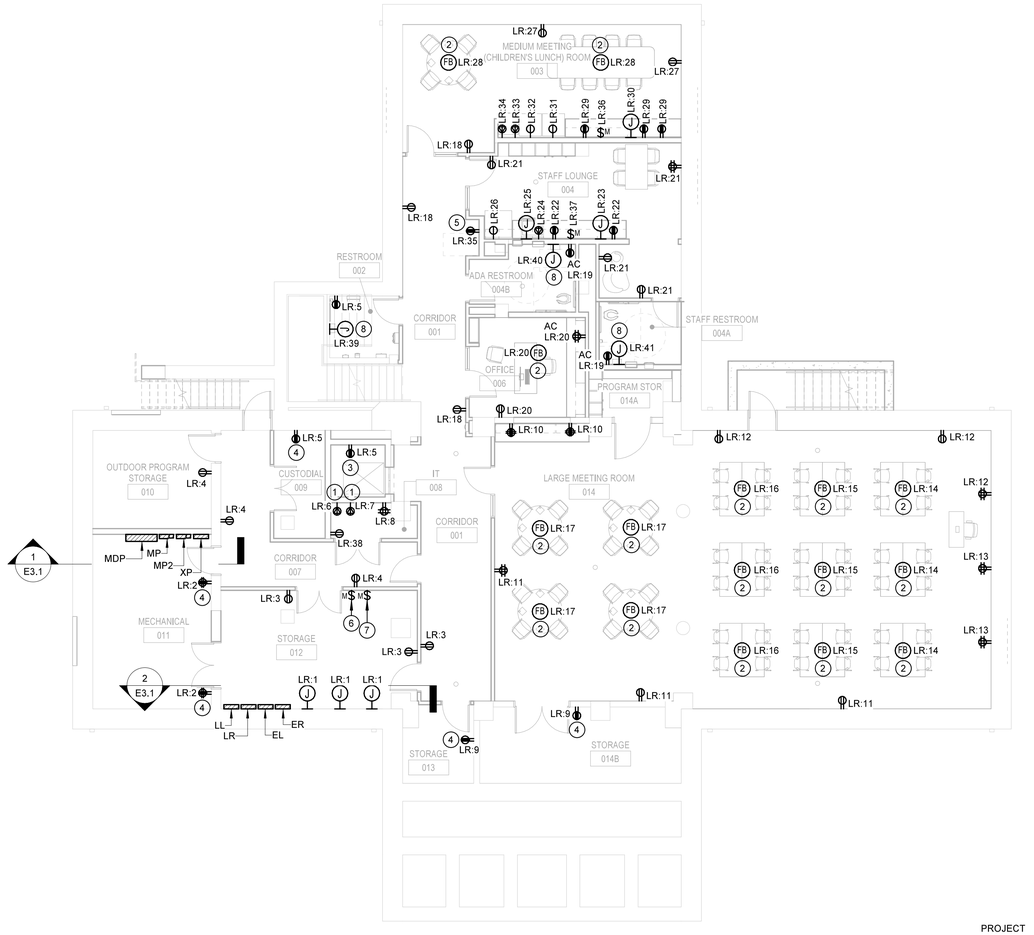
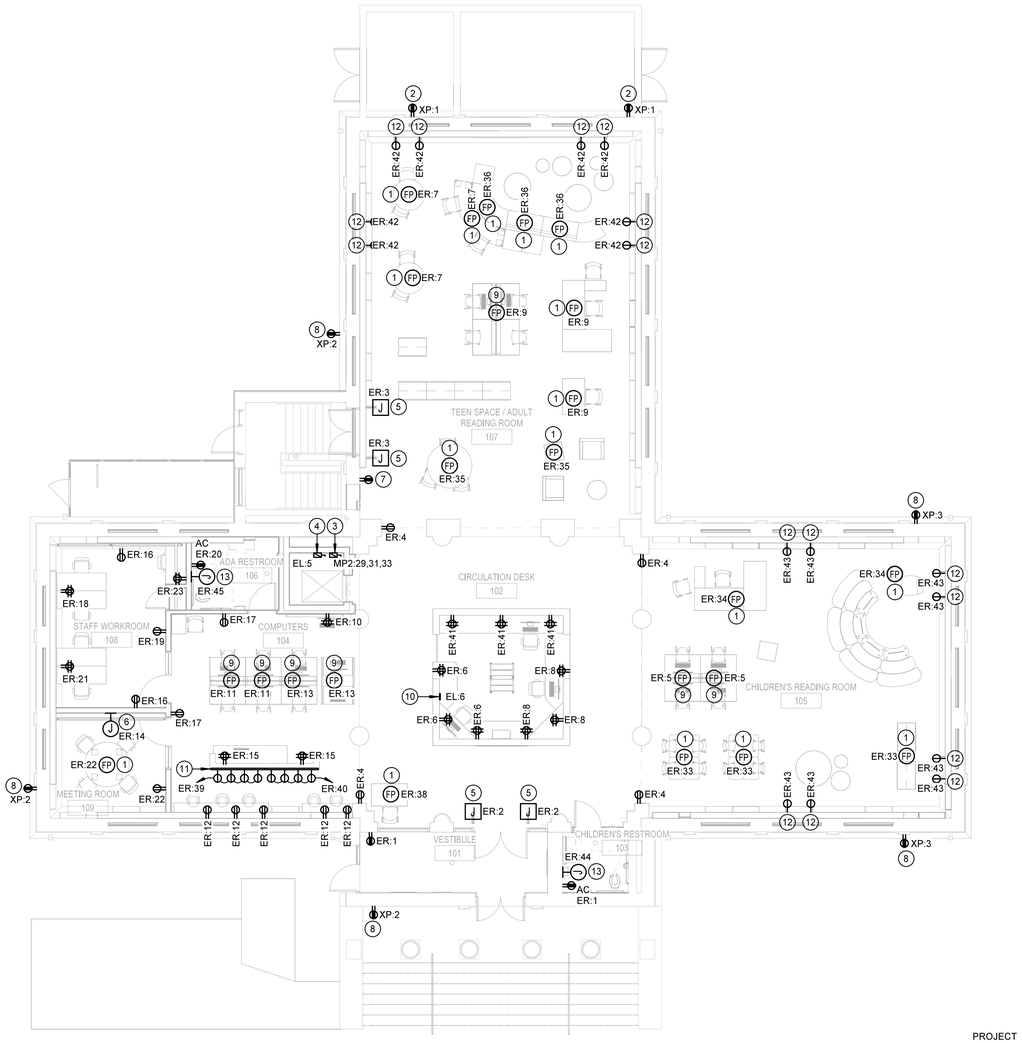


2 E2.1 ELECTRICAL PLAN - LOWER LEVEL
1/8" = 1'-0"



1 E2.1 ELECTRICAL PLAN - ENTRY LEVEL
1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

LOWER LEVEL POWER GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED BEHIND WALLS, UNDER FLOORS, AND ABOVE CEILINGS. ANY CONCEALED CONDUITS SHALL BE PAINTED TO MATCH THE SURFACES FINISHED COLOR.
2. THE CONTRACTOR SHALL ARRANGE AN ONSITE MEETING WITH THE ARCHITECT TO CONFIRM EXACT LOCATIONS OF FLOOR BOXES PRIOR TO INSTALLATION TO CONFIRM LOCATIONS AND FURNITURE ARRANGEMENTS.

LOWER LEVEL POWER KEY NOTES: (#)

1. (2) NEMA L5-30R TWISTLOCK RECEPTACLES FOR IT RACK.
2. FURNISH AND INSTALL A FLOOR BOX WITH (2) DUPLEX RECEPTACLES AND (2) DATA JACKS, LEGRAND EVOLUTION SERIES.
3. GFCI RECEPTACLE LOCATED IN ELEVATOR PIT.
4. DEVICE MOUNTED AT 3'-0" A.F.F..
5. FURNISH AND INSTALL GFCI RECEPTACLE FOR DRINKING FOUNTAIN / BOTTLE FILLER STATION. COORDINATE LOCATION WITH SHOP DRAWINGS.
6. FURNISH AND INSTALL A MOTOR-RATED SWITCH TO CONTROL 'ON / OFF' OF EXTERIOR RECEPTACLE CIRCUIT 'XP:2'.
7. FURNISH AND INSTALL A MOTOR-RATED SWITCH TO CONTROL 'ON / OFF' OF EXTERIOR RECEPTACLE CIRCUIT 'XP:3'.
8. FURNISH AND INSTALL A WALL MOUNTED JUNCTION BOX FOR POWER CIRCUITRY TO XLERATOR eco® XL-BW-ECO 1.1N HIGH SPEED COMMERCIAL HAND DRYER. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

ENTRY LEVEL POWER GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED BEHIND WALLS, UNDER FLOORS, AND ABOVE CEILINGS. ANY CONCEALED CONDUITS SHALL BE PAINTED TO MATCH THE SURFACES FINISHED COLOR.
2. THE CONTRACTOR SHALL ARRANGE AN ONSITE MEETING WITH THE ARCHITECT TO CONFIRM EXACT LOCATIONS OF POKE-THRU DEVICES PRIOR TO INSTALLATION TO CONFIRM LOCATIONS AND FURNITURE ARRANGEMENTS.

ENTRY LEVEL POWER KEY NOTES: (#)

1. FURNISH AND INSTALL A 6" POKE-THRU DEVICE WITH (2) DUPLEX RECEPTACLES AND (2) DATA JACKS, LEGRAND EVOLUTION SERIES.
2. FURNISH AND INSTALL A GFCI RECEPTACLE WITH A WEATHER-PROOF, TAMPER-PROOF, IN USE COVER MOUNTED AT 2'-0" ABOVE LANDING.
3. FURNISH AND INSTALL A LOCKABLE 208V, 3-PH. DISCONNECT SWITCH WITH 30A FUSES FOR ELEVATOR DRIVE MOTOR.
4. FURNISH AND INSTALL A LOCKABLE 120V, 1-PH. DISCONNECT SWITCH WITH 15A FUSES FOR ELEVATOR LIGHTING.
5. FURNISH AND INSTALL A 2-GANG JUNCTION BOX FOR POWER AND DATA FOR INTERCONNECTION TO SECURITY DEVICE TERMINATION POINT. COORDINATE LOCATION WITH ARCHITECT.
6. FURNISH AND INSTALL A 2-GANG JUNCTION BOX FOR POWER AND DATA FOR INTERCONNECTION TO WALL MONITOR. COORDINATE LOCATION WITH ARCHITECT.
7. FURNISH AND INSTALL GFCI RECEPTACLE FOR DRINKING FOUNTAIN / BOTTLE FILLER STATION. COORDINATE LOCATION WITH SHOP DRAWINGS.
8. FURNISH AND INSTALL A GFCI RECEPTACLE WITH A WEATHER-PROOF, TAMPER-PROOF, IN USE COVER MOUNTED AT 2'-0" ABOVE LANDING. CIRCUITRY SHALL BE WIRED THROUGH A LIGHT SWITCH LOCATED IN ROOM 012.
9. FURNISH AND INSTALL A 6" POKE-THRU DEVICE WITH (2) DATA JACKS AND A POWER WHIP TO ENERGIZE FURNITURE. LEGRAND EVOLUTION SERIES.
10. LOCATION OF TOUCH-PAD LIGHTING/SHADE CONTROL PANEL FOR ENTRY LEVEL LIGHTING. FRESCO TOUCHSCREEN: FCS-7TSN-X-DBL.
11. (2) 6'-0" LENGTH SECTIONS OF ALUMINUM TAMPER RESISTANT PREWIRED PLUGMOLD WITH (4) SINGLE RECEPTACLES 18" ON CENTERS. LEGRAND PLUGMOLD 2000TR SERIES OR APPROVED EQUAL. TOP OF PLUGMOLD 2" BELOW BOTTOM OF COUNTER.
12. NEMA 5-20R SINGLE RECEPTACLE LOCATED IN NOOK.
13. FURNISH AND INSTALL A WALL MOUNTED JUNCTION BOX FOR POWER CIRCUITRY TO XLERATOR eco® XL-BW-ECO 1.1N HIGH SPEED COMMERCIAL HAND DRYER. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

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Fares Al Juheshi
2026.04.10 07:03:01-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL POWER PLANS - LOWER & ENTRY LEVEL

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO. E2.1
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: Author	
CHECKED BY: FAJ	

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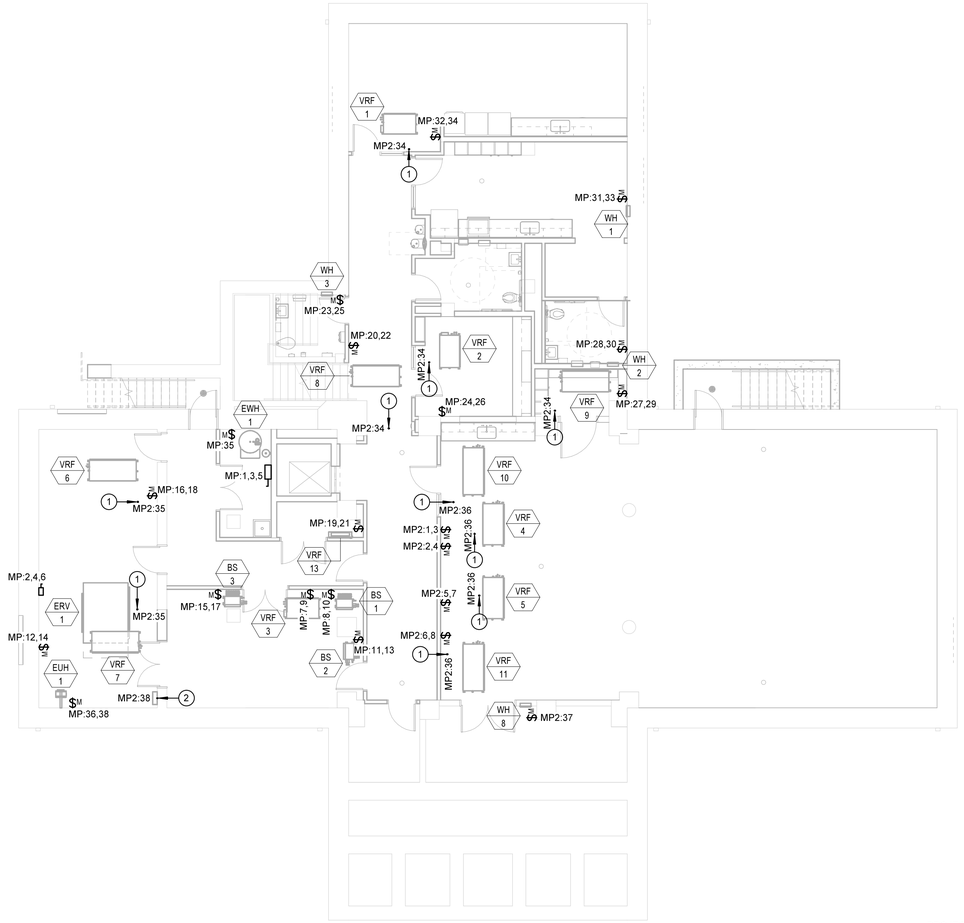
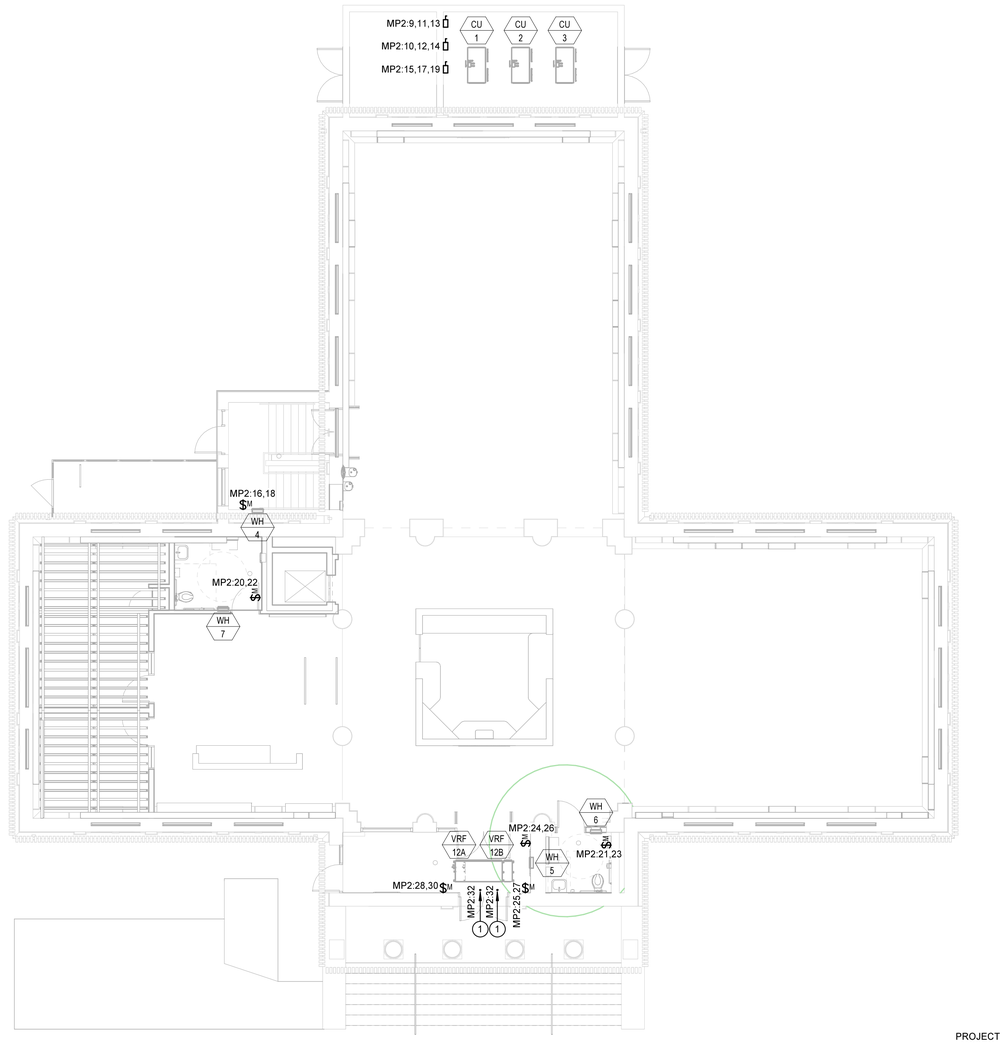


2 E2.2 ELECTRICAL PLAN - POWER FOR MECHANICAL - LOWER LEVEL
1/8" = 1'-0"



1 E2.2 ELECTRICAL PLAN - POWER FOR MECHANICAL - ENTRY LEVEL
1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

LOWER LEVEL MECHANICAL POWER GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED BEHIND WALLS, UNDER FLOORS, AND ABOVE CEILINGS. ANY CONCEALED CONDUITS SHALL BE PAINTED TO MATCH THE SURFACES FINISHED COLOR.

LOWER LEVEL MECHANICAL POWER KEY NOTES: (#)

1. INDICATES POWER CONNECTION TO MOTORIZED DAMPER.
2. INDICATES LOCATION OF BUILDING AUTOMATION SYSTEM (BAS) PANEL.

ENTRY LEVEL MECHANICAL POWER GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED BEHIND WALLS, UNDER FLOORS, AND ABOVE CEILINGS. ANY CONCEALED CONDUITS SHALL BE PAINTED TO MATCH THE SURFACES FINISHED COLOR.

ENTRY LEVEL MECHANICAL POWER KEY NOTES: (#)

1. INDICATES POWER CONNECTION TO MOTORIZED DAMPER.

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2026.04.10 07:03:07-04'00'

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ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL POWER PLANS - POWER FOR MECHANICAL - LOWER & ENTRY LEVEL

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. E2.2
DATE 04/09/2026	
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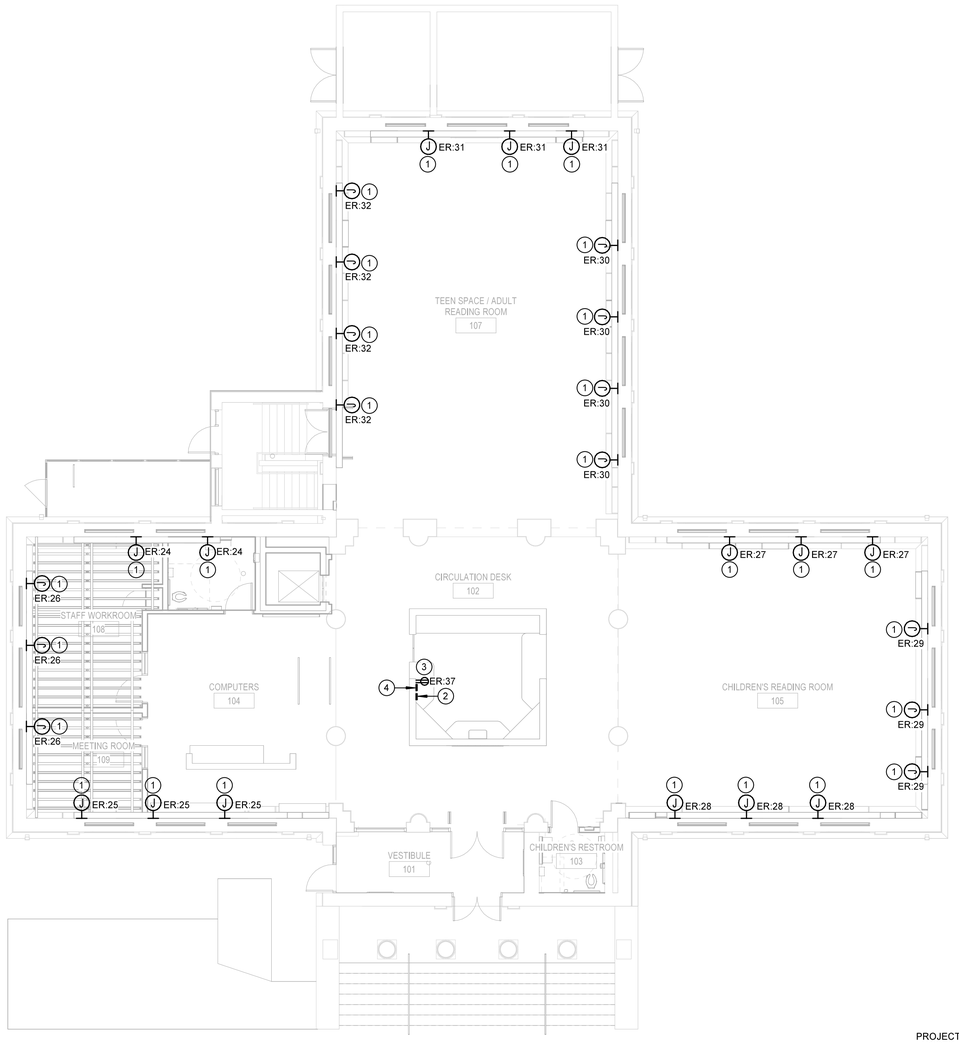
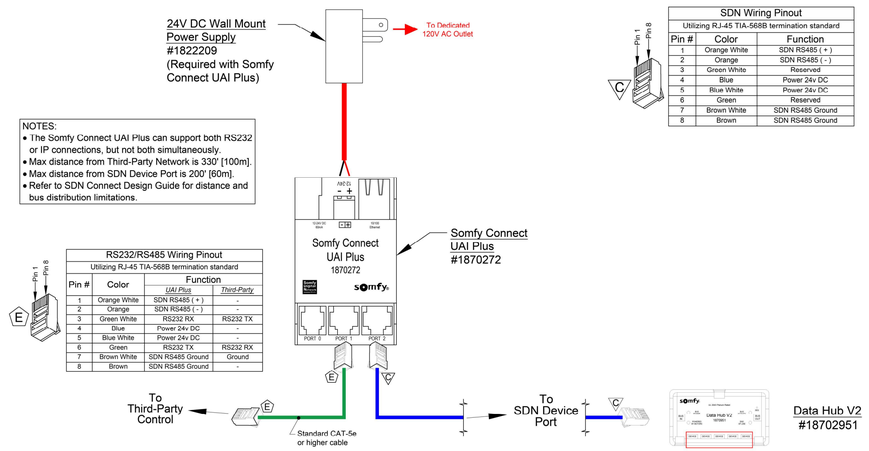


1 E2.3 ELECTRICAL PLAN - POWER FOR MECHANICAL SHADES - ENTRY LEVEL

1/8" = 1'-0"



NOTES:
- The Somfy Connect UAI Plus can support both RS232 or IP connections, but not both simultaneously.
- Max distance from Third-Party Network is 330' [100m].
- Max distance from SDN Device Port is 200' [60m].
- Refer to SDN Connect Design Guide for distance and bus distribution limitations.

RS232/RS485 Wiring Pinout

Utilizing RJ-45 TIA-568B termination standard			
Pin #	Color	Function	
		UAI Plus	*Third-Party*
1	Orange White	SDN RS485 (+)	-
2	Orange	SDN RS485 (-)	-
3	Green White	RS232 RX	RS232 TX
4	Blue	Power 24v DC	-
5	Blue White	Power 24v DC	-
6	Green	RS232 TX	RS232 RX
7	Brown White	SDN RS485 Ground	Ground
8	Brown	SDN RS485 Ground	-

SDN Wiring Pinout

Utilizing RJ-45 TIA-568B termination standard		
Pin #	Color	Function
1	Orange White	SDN RS485 (+)
2	Orange	SDN RS485 (-)
3	Green White	Reserved
4	Blue	Power 24v DC
5	Blue White	Power 24v DC
6	Green	Reserved
7	Brown White	SDN RS485 Ground
8	Brown	SDN RS485 Ground

2 E2.3 MOTORIZED SHADE INTERFACE DIAGRAM

NTS

PLAN EXAMINER STAMP AREA:

ENTRY LEVEL MECHANICAL SHADES POWER GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED BEHIND WALLS, UNDER FLOORS, AND ABOVE CEILINGS. ANY CONCEALED CONDUITS SHALL BE PAINTED TO MATCH THE SURFACES FINISHED COLOR.

ENTRY LEVEL MECHANICAL SHADES POWER KEY NOTES: (#)

1. INDICATES JUNCTION BOX FOR POWER INTERCONNECTION TO AUTOMATED SHADES. CONTRACTOR SHALL COORDINATE LOCATION OF POWER CONNECTION TO SHADES WITH SHOP DRAWINGS.
2. LOCATION OF TOUCH-PAD LIGHTING/SHADE CONTROL PANEL FOR ENTRY LEVEL LIGHTING. FRESCO TOUCHSCREEN: FCS-7TSN-X-DBL.
3. RECEPTACLE FOR MOTORIZED SHADE INTERFACE.
4. MOTORIZED SHADE INTERFACE.

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FARES AL JUHESHI
ENGINEER
PE099564

Fares Al Juheshi
2026.04.10 07:03:14-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

ELECTRICAL POWER PLAN – POWER FOR MECHANICAL SHADES – ENTRY LEVEL

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. E2.3
DATE 04/09/2026	
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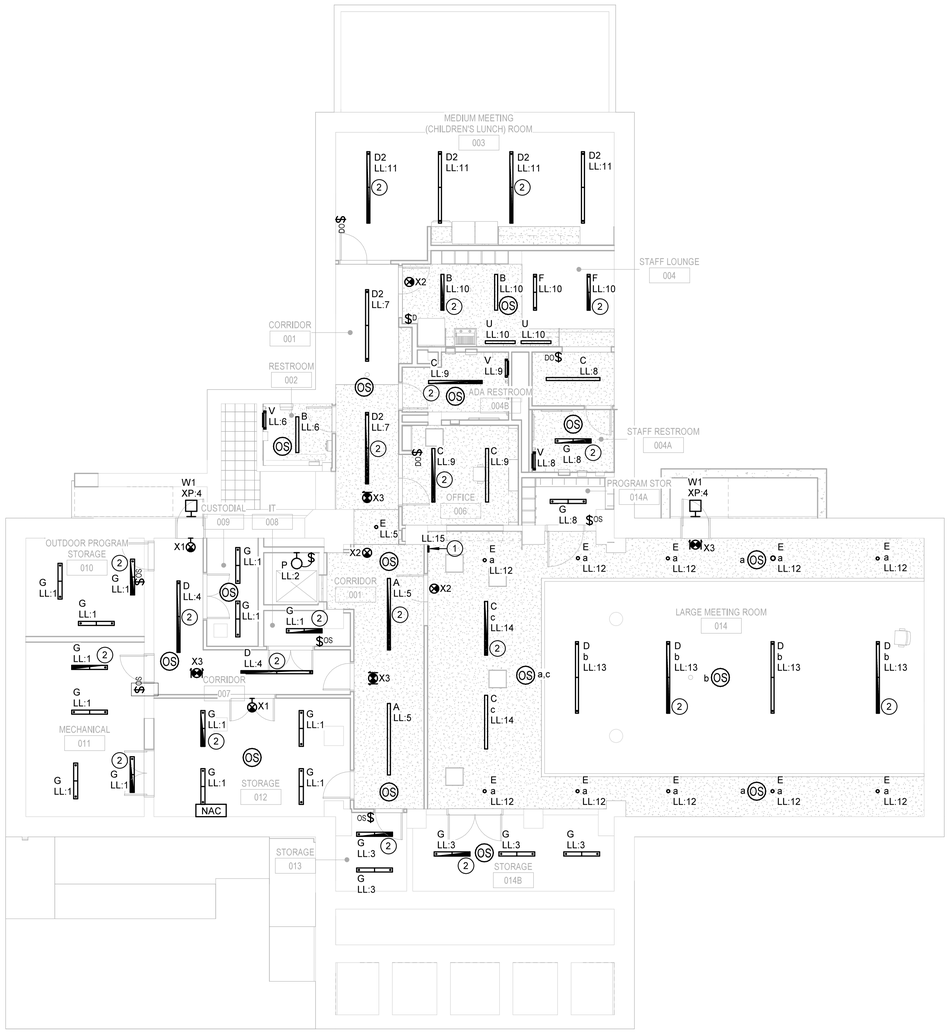
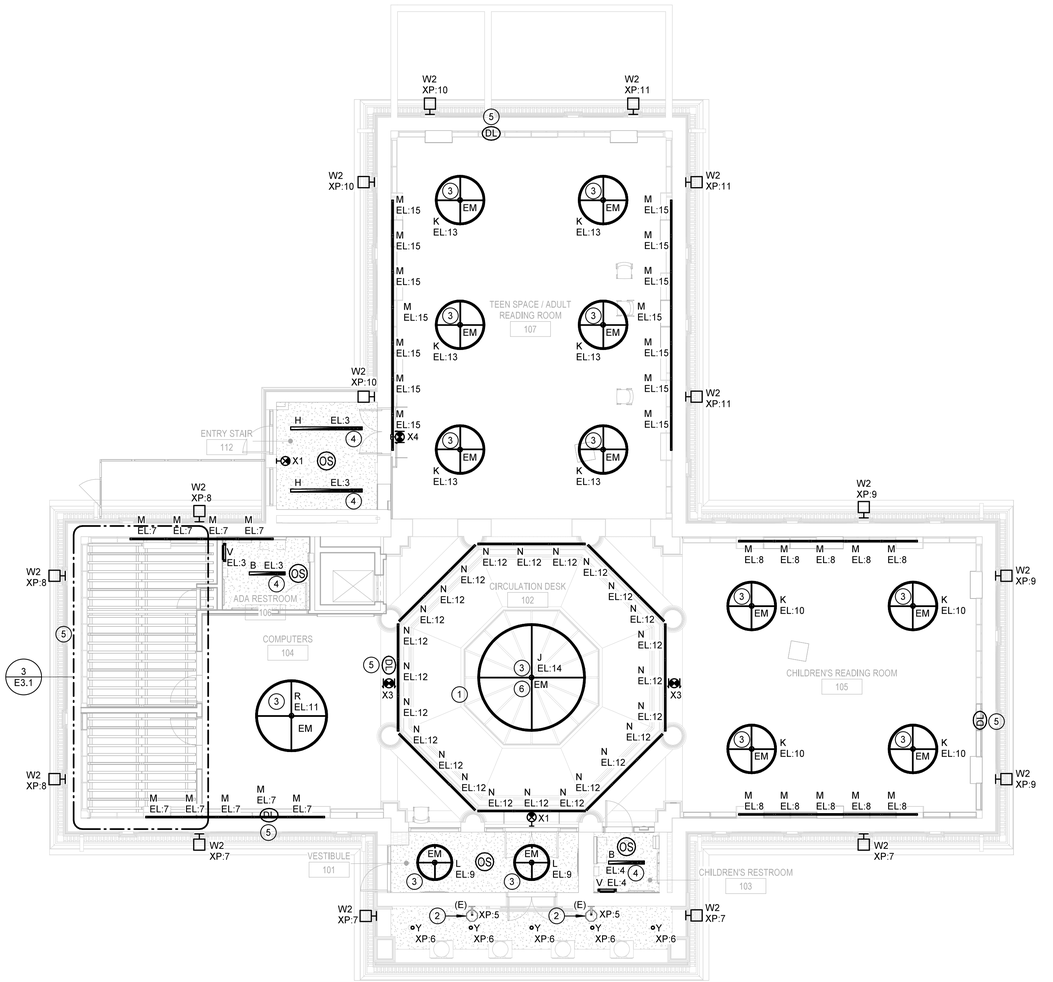


2 E2.4 ELECTRICAL LIGHTING PLAN - LOWER LEVEL
1/8" = 1'-0"

PROJECT NORTH
0' 4' 8' 16'



1 E2.4 ELECTRICAL LIGHTING PLAN - ENTRY LEVEL
1/8" = 1'-0"

PROJECT NORTH
0' 4' 8' 16'

PLAN EXAMINER STAMP AREA:

LOWER LEVEL LIGHTING GENERAL NOTES:

1. ALL EXIT SIGNS SHALL BE CONNECTED TO LIGHTING CIRCUIT SUPPLYING RESPECTIVE AREA. CIRCUITRY SHALL BE CONNECTED AHEAD OF CONTROLLER IN THE RESPECTIVE AREA.
2. ALL CONDUITS SHALL BE CONCEALED BEHIND WALLS, UNDER FLOORS, AND ABOVE CEILINGS. ANY CONCEALED CONDUITS SHALL BE PAINTED TO MATCH THE SURFACES FINISHED COLOR.

LOWER LEVEL LIGHTING KEY NOTES: (#)

1. LOCATION OF TOUCH-PAD LIGHTING CONTROL PANEL FOR LARGE MEETING ROOM. nLIGHT NPOD TOUCH.
2. INDICATES LIGHT FIXTURE WITH MANUFACTURER'S EMERGENCY BATTERY PACK. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION. FURNISH AND INSTALL ADDITIONAL WIRING FOR EMERGENCY BATTERY PACK AHEAD OF CONTROLS SERVING THIS LIGHTING CIRCUIT PROVIDING POWER LOSS SENSING AND CONSTANT CHARGING OF EMERGENCY BATTERY.

ENTRY LEVEL LIGHTING GENERAL NOTES:

1. ALL EXIT SIGNS SHALL BE CONNECTED TO LIGHTING CIRCUIT SUPPLYING RESPECTIVE AREA. CIRCUITRY SHALL BE CONNECTED AHEAD OF CONTROLLER IN THE RESPECTIVE AREA.
2. ALL CONDUITS SHALL BE CONCEALED BEHIND WALLS, UNDER FLOORS, AND ABOVE CEILINGS. ANY CONCEALED CONDUITS SHALL BE PAINTED TO MATCH THE SURFACES FINISHED COLOR.

ENTRY LEVEL LIGHTING KEY NOTES: (#)

1. REFER TO POWER PLAN FOR LOCATION OF TOUCH-PAD LIGHTING/SHADE CONTROL PANEL AT CIRCULATION DESK.
2. RECONDITIONED HISTORICAL WALL SCONCE.
3. 'EM' INDICATES PENDANT LIGHT FIXTURE WITH MANUFACTURER'S EMERGENCY BATTERY. FURNISH AND INSTALL ADDITIONAL WIRING FOR EMERGENCY BATTERY PACK AHEAD OF CONTROLS SERVING THIS LIGHTING CIRCUIT PROVIDING POWER LOSS SENSING AND CONSTANT CHARGING OF EMERGENCY BATTERY.
4. INDICATES LIGHT FIXTURE WITH MANUFACTURER'S EMERGENCY BATTERY PACK. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION. FURNISH AND INSTALL ADDITIONAL WIRING FOR EMERGENCY BATTERY PACK AHEAD OF CONTROLS SERVING THIS LIGHTING CIRCUIT PROVIDING POWER LOSS SENSING AND CONSTANT CHARGING OF EMERGENCY BATTERY.
5. LIGHTING DAYLIGHT SENSOR MOUNTED ON BOTTOM OF COVE TO CONTROL PENDANT FIXTURES WITHIN RESPECTIVE ROOM.
6. NEW CEILING MOUNTED RING FIXTURE. INTERCONNECT NEW CONDUIT TO THE EXISTING CONDUIT THAT IS ROUTED THROUGH A RIB UP TO THE OCULUS LOCATION.

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Fares Al Juheshi
2026.04.10 07:03:20-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL LIGHTING PLANS - LOWER & ENTRY LEVEL

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. E2.4
DATE 04/09/2026	
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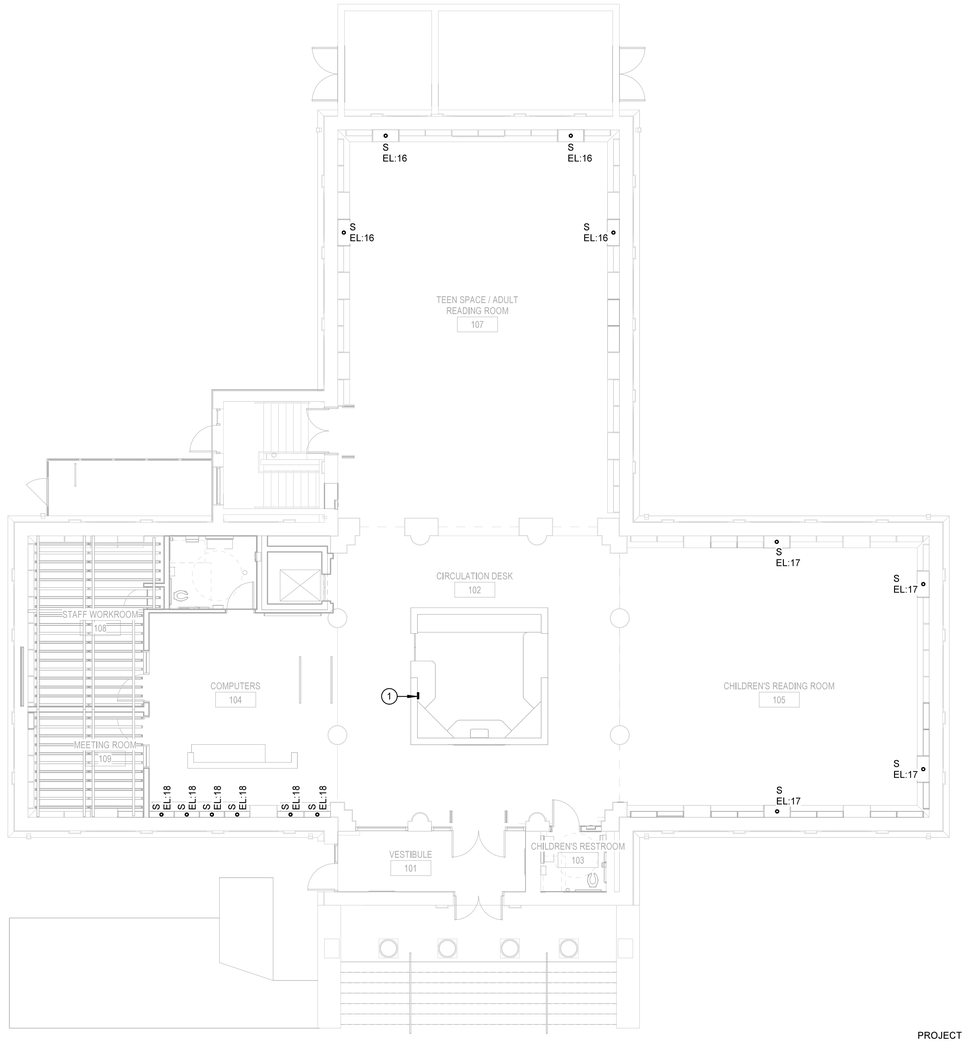

1 / E2.5 ELECTRICAL LIGHTING PLAN - ENTRY LEVEL - SHELVING LIGHTS

1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

ENTRY LEVEL SHELVING LIGHTS GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED BEHIND WALLS, UNDER FLOORS, AND ABOVE CEILINGS. ANY CONCEALED CONDUITS SHALL BE PAINTED TO MATCH THE SURFACES FINISHED COLOR.

ENTRY LEVEL SHELVING LIGHTS KEY NOTES: (#)

1. LOCATION OF TOUCH-PAD LIGHTING/SHADE CONTROL PANEL FOR ENTRY LEVEL LIGHTING.

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Fares Al Juheshi
2026.04.10 07:03:26-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

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ELECTRICAL LIGHTING PLAN - ENTRY LEVEL - SHELVING LIGHTS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. E2.5
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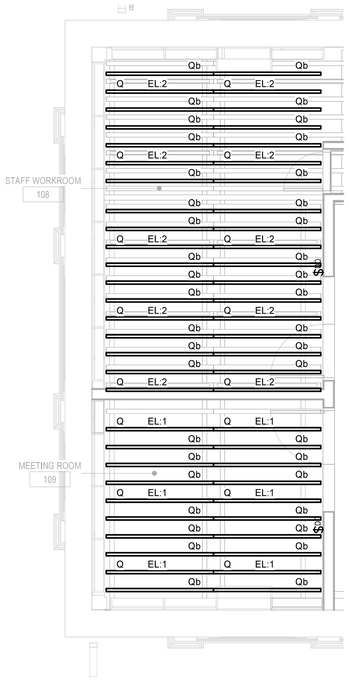
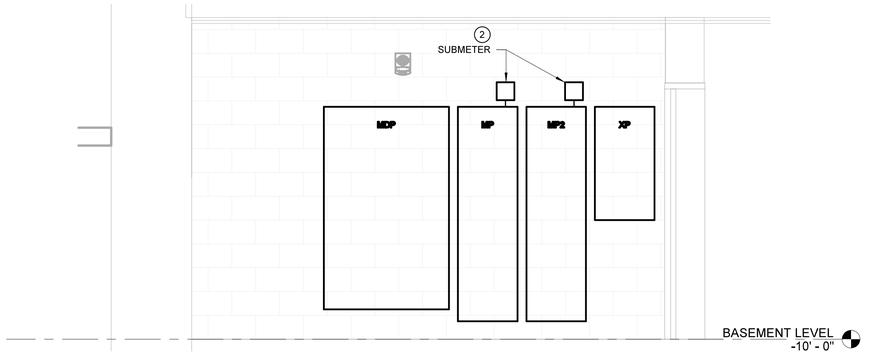


3 E3.1 ELECTRICAL LIGHTING PLAN - STAFF WORKROOM & MEETING ROOM

1/4" = 1'-0"

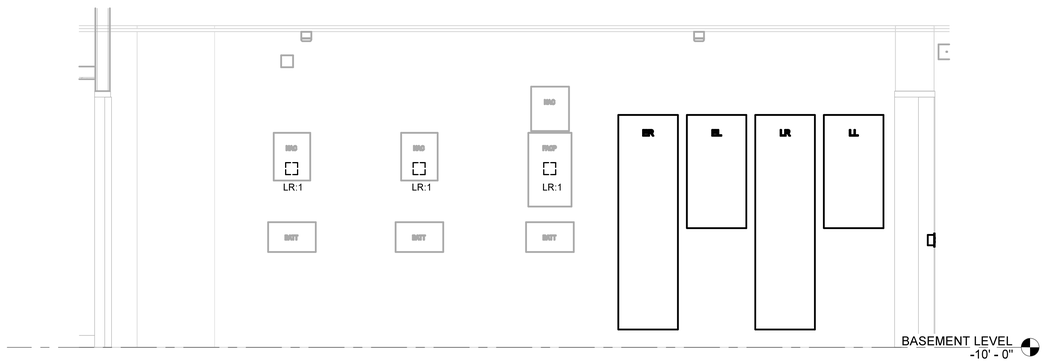
0' 2' 4' 8'



1 E3.1 ELECTRICAL ELEVATION

1/2" = 1'-0"

0 1' 2' 4'



2 E3.1 ELECTRICAL ELEVATION II

1/2" = 1'-0"

0 1' 2' 4'

PLAN EXAMINER STAMP AREA:

ENLARGED PLANS GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED BEHIND WALLS, UNDER FLOORS, AND ABOVE CEILINGS. ANY CONCEALED CONDUITS SHALL BE PAINTED TO MATCH THE SURFACES FINISHED COLOR.
2. FURNISH AND INSTALL ELECTRICAL SUBMETERS. SUBMETERS SHALL BE INTERCONNECTED TO BAS PANEL LOCATED IN LOWER LEVEL MECHANICAL ROOM. ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING METHODS TO SUBMETERS PER SUBMETER AND BAS PANEL MANUFACTURER'S REQUIREMENTS.

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Fares Al Juheshi
2026.04.10 07:03:31-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

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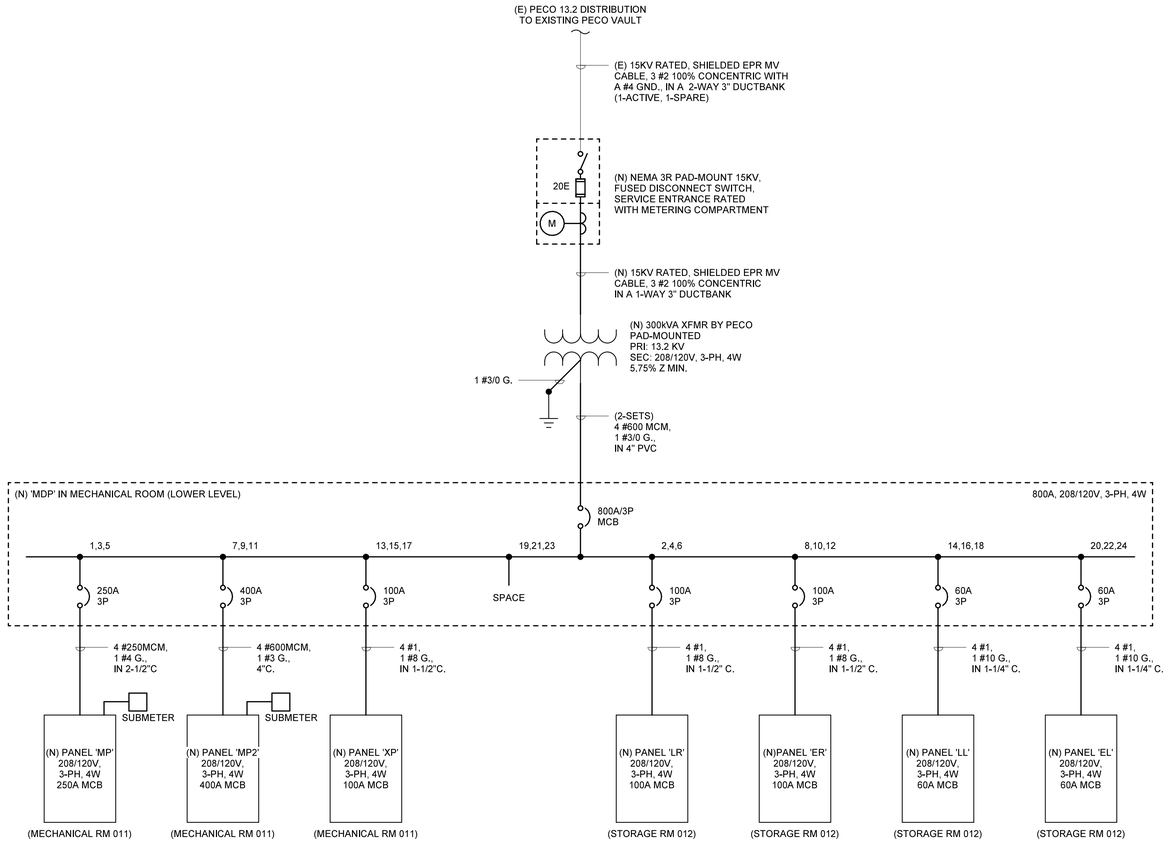
DRAWING TITLE
ELECTRICAL ENLARGED PLANS & ELEVATIONS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. E3.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JEP	
CHECKED BY FAJ	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



1 / E4.1 PROPOSED SINGLE LINE DIAGRAM

NTS

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR

REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
FARES AL JUHESHI
ENGINEER
PE059564

Fares Al Juheshi
2026.04.10 07:03:40-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

ELECTRICAL SINGE LINE DIAGRAM

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. E4.1
DATE 04/09/2026	
SCALE AS NOTED	
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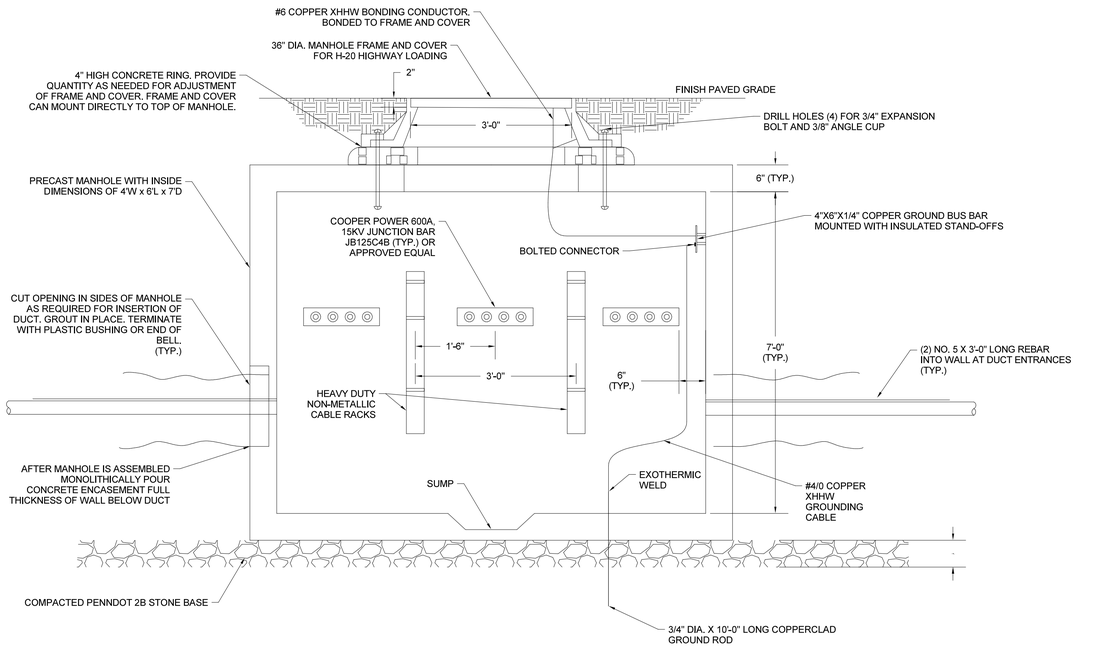
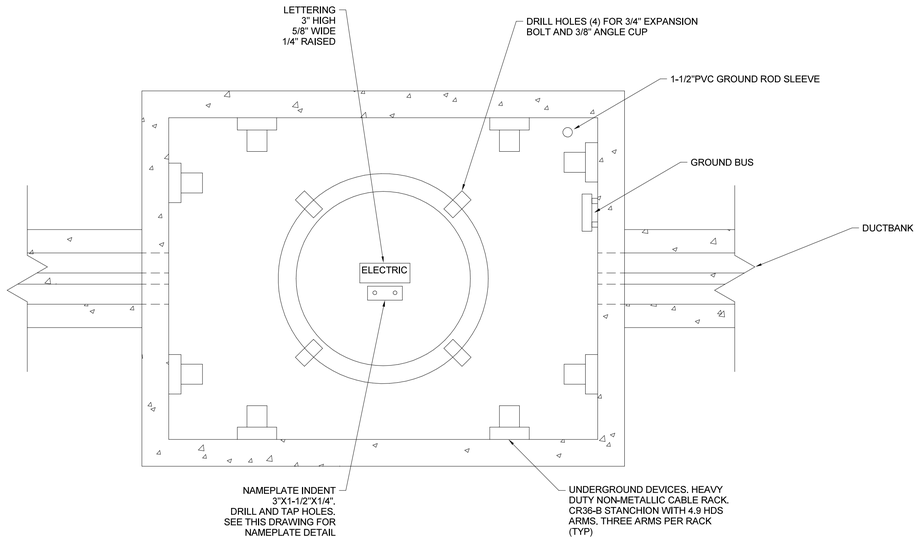
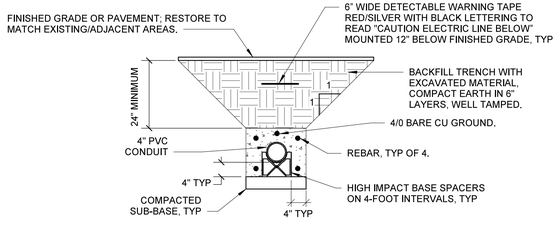


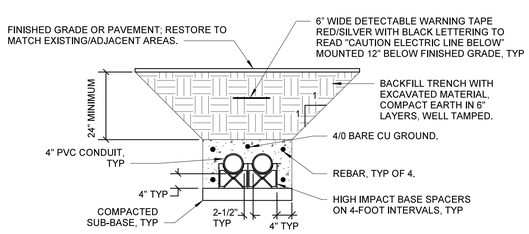


1 E5.1 PECO MANHOLE DETAIL
NTS



NOTES:
1. CONCRETE TO HAVE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI & HAVE AN AIR-ENTRAINING ADMIXTURE. AIR CONTENT TO BE 6% +/- 1%.
2. MINIMUM 2.5" COVER AROUND AND BETWEEN CONDUITS, UON.
3. EC SHALL TAKE EXTREME CARE IN EXCAVATING AREA, HAND-DIG IF NECESSARY. MODIFY/RE-ROUTE DUCT BANK AS REQUIRED TO MINIMIZE CONFLICT WITH EXISTING SYSTEMS.
4. COORDINATE ALL CONDUIT ROUTING WITH EXISTING CONDITIONS AND ROADWAY CUTTING AND TRENCHING.
5. REBAR SHALL BE RUN FROM MANHOLE ENTRY WINDOW TO 4-FT (MIN) AWAY FROM THE MANHOLE.

2 E5.1 DUCTBANK DETAIL - 1-WAY
NTS



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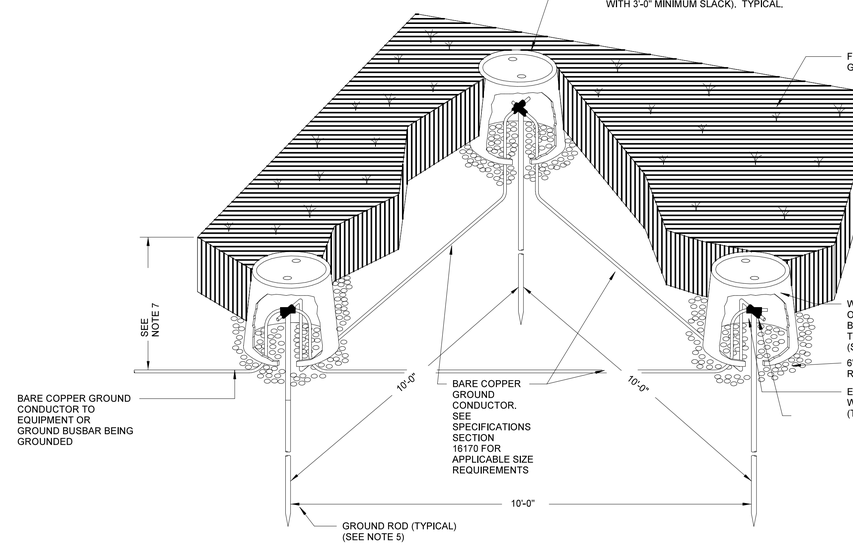
3 E5.1 DUCTBANK DETAIL - 2-WAY
NTS

PLAN EXAMINER STAMP AREA:



NOTES:
1. SEE SPECIFICATION SECTION 16170.
2. NOT FOR USE IN PAVED, ETC. LOCATIONS.
3. INCREASE DEPTH, DIAMETER, SIZE, ETC IF REQUIRED DUE TO INSTALLATION AND ACCESS REQUIREMENTS.
4. CONCRETE COVERS ARE NOT ACCEPTABLE.
5. IF THREE RODS IN A DELTA CONFIGURATION DOES NOT PROVIDE SPECIFIED RESISTANCE, CHANGE ROD LENGTHS FROM MINIMUM SPECIFIED AS REQUIRED TO PROVIDE SPECIFIED RESISTANCE.
6. MEASUREMENT OF RESISTANCE VALUES TO PROVIE COMPLIANCE WITH SPECIFIED RESISTANCE SHALL BE WITH GROUND RODS CONNECTED IN DELTA CONFIGURATION BUT DISCONNECTED FROM EQUIPMENT OR BUSBAR BEING GROUNDED.
7. DEPTH PER CODES, 1'-0" MINIMUM.

WELL: (SEE NOTE 3)	
INSIDE DIMENSIONS:	12" MINIMUM
HEIGHT:	18" MINIMUM
MATERIAL:	STRUCTURAL PLASTIC, CONCRETE, OR COMPOSOLITE
MANUFACTURER :	QUAZITE OR BROOKS PRODUCTS

4 E5.1 GROUND TRIAD DETAIL
NTS

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL FARES AL JUHESHI ENGINEER PE059564
Fares Al Juheshi 2026.04.10 07:03:47-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
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215 571 4930

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1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. E5.1
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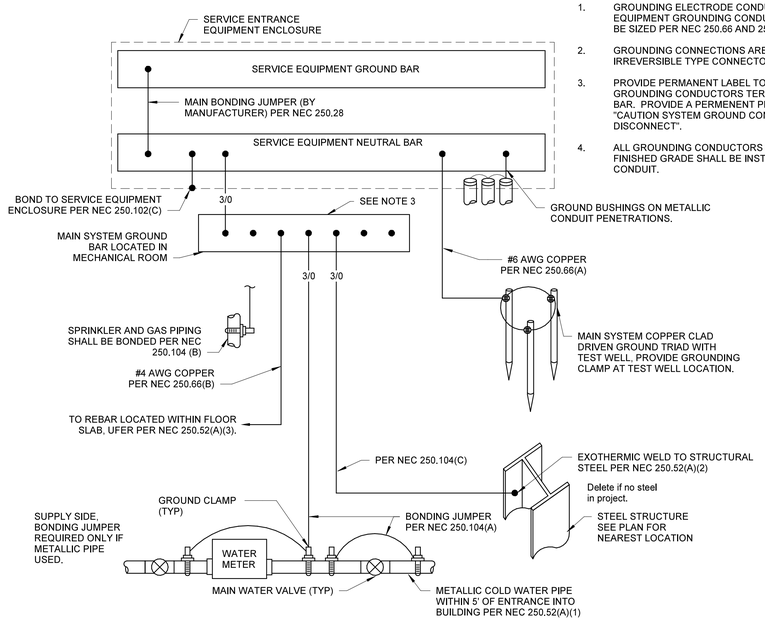
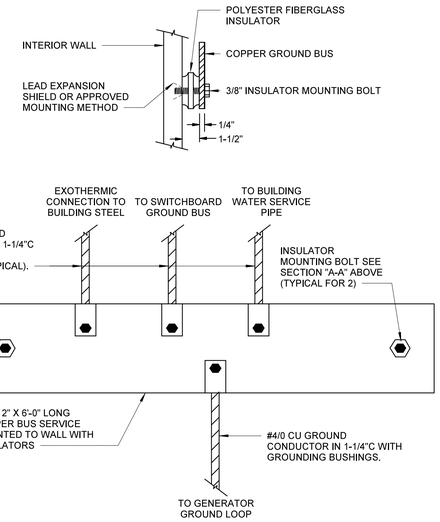
NOTES:

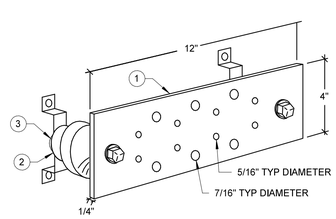
1. GROUNDING ELECTRODE CONDUCTORS (GEC) AND EQUIPMENT GROUNDING CONDUCTORS (EGC) SHALL BE SIZED PER NEC 250.66 AND 250.122 RESPECTIVELY.
2. GROUNDING CONNECTIONS ARE TO BE MADE WITH IRREVERSIBLE TYPE CONNECTORS.
3. PROVIDE PERMANENT LABEL TO IDENTIFY GROUNDING CONDUCTORS TERMINATING AT THIS BAR. PROVIDE A PERMENENT PLAQUE TO READ "CAUTION SYSTEM GROUND CONNECTIONS DO NOT DISCONNECT".
4. ALL GROUNDING CONDUCTORS LOCATED ABOVE FINISHED GRADE SHALL BE INSTALLED IN PVC CONDUIT.



1 E5.2 ELECTRICAL SERVICE GROUND DETAIL
NTS



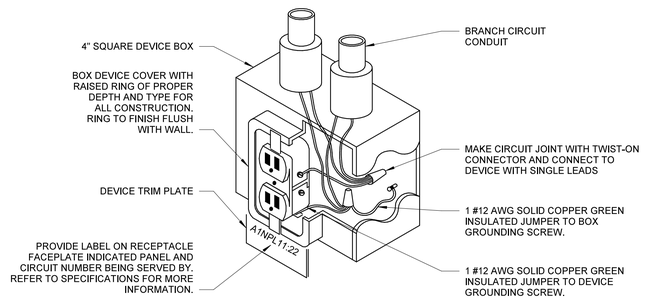
2 E5.2 ELECTRICAL GROUND BUS DETAIL
NTS



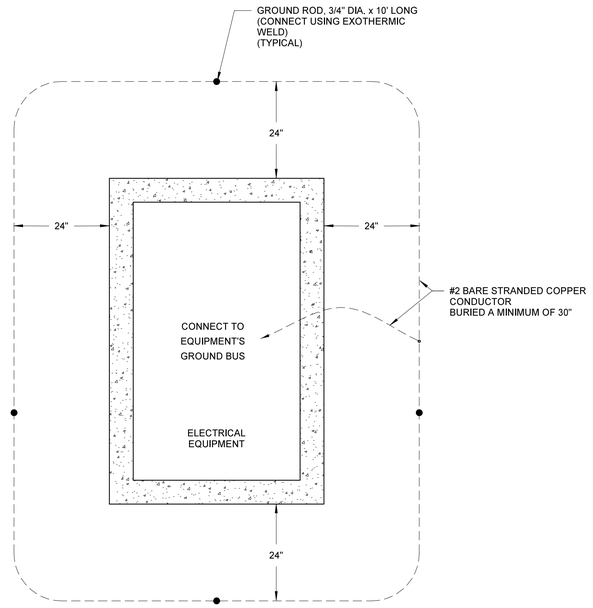
NOTES:

1. NRTL LISTED TELECOM ROOM COPPER GROUND BAR, PER J-STD-607-A.
2. STANDOFF BRACKET ASSEMBLY WITH 2700V INSULATORS, TYP FOR 2.
3. LOCK WASHER, TYP OF 2.

3 E5.2 GROUND BAR ISOMETRIC DETAIL
NTS



4 E5.2 RECEPTACLE GROUNDING DETAIL
NTS



5 E5.2 ELECTRICAL EQUIPMENT PAD GROUNDING DETAIL
NTS

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL FARES AL JUHESHI ENGINEER PE059564
Fares Al Juheshi
2026.04.10 07:03:53-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
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Philadelphia, PA 19103
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1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
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PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. E5.2
DATE 04/09/2026	
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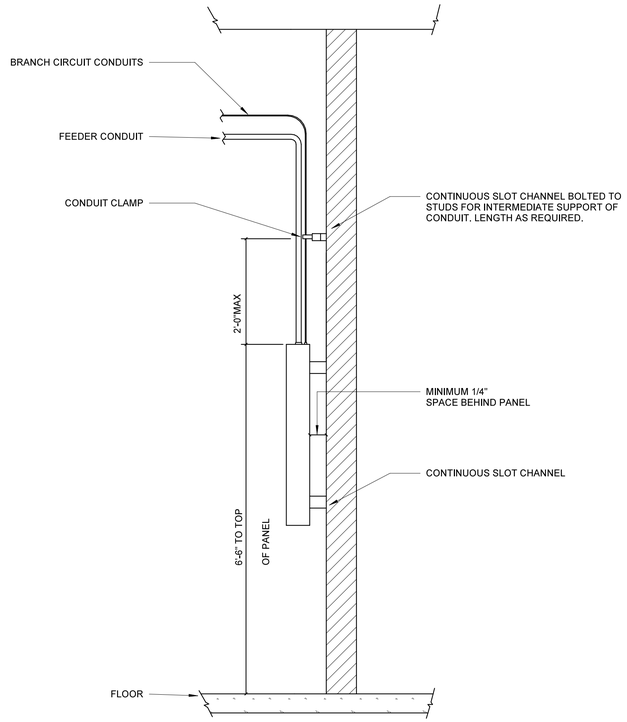
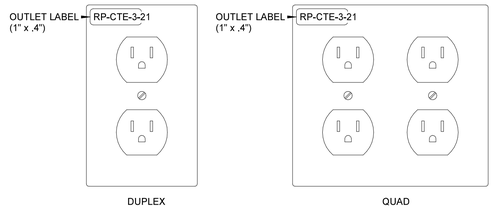


1 E5.3 PANELBOARD MOUNTING DETAIL
NTS



NOTES:

1. THE ELECTRICAL CONTRACTOR WILL LABEL EACH DUPLEX RECEPTICAL AND QUADPLEX WITH PANEL I.D. AND CIRCUIT NUMBER.
2. THE ELECTRICAL CONTRACTOR WILL PROVIDE LABELS INDICATING PATCH PANEL PORT NUMBERS.

2 E5.3 WIRING DEVICE LABELING DETAIL
NTS

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

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Fares Al Juheshi
2026.04.10 07:03:59-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

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KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. E5.3
DATE 04/09/2026	
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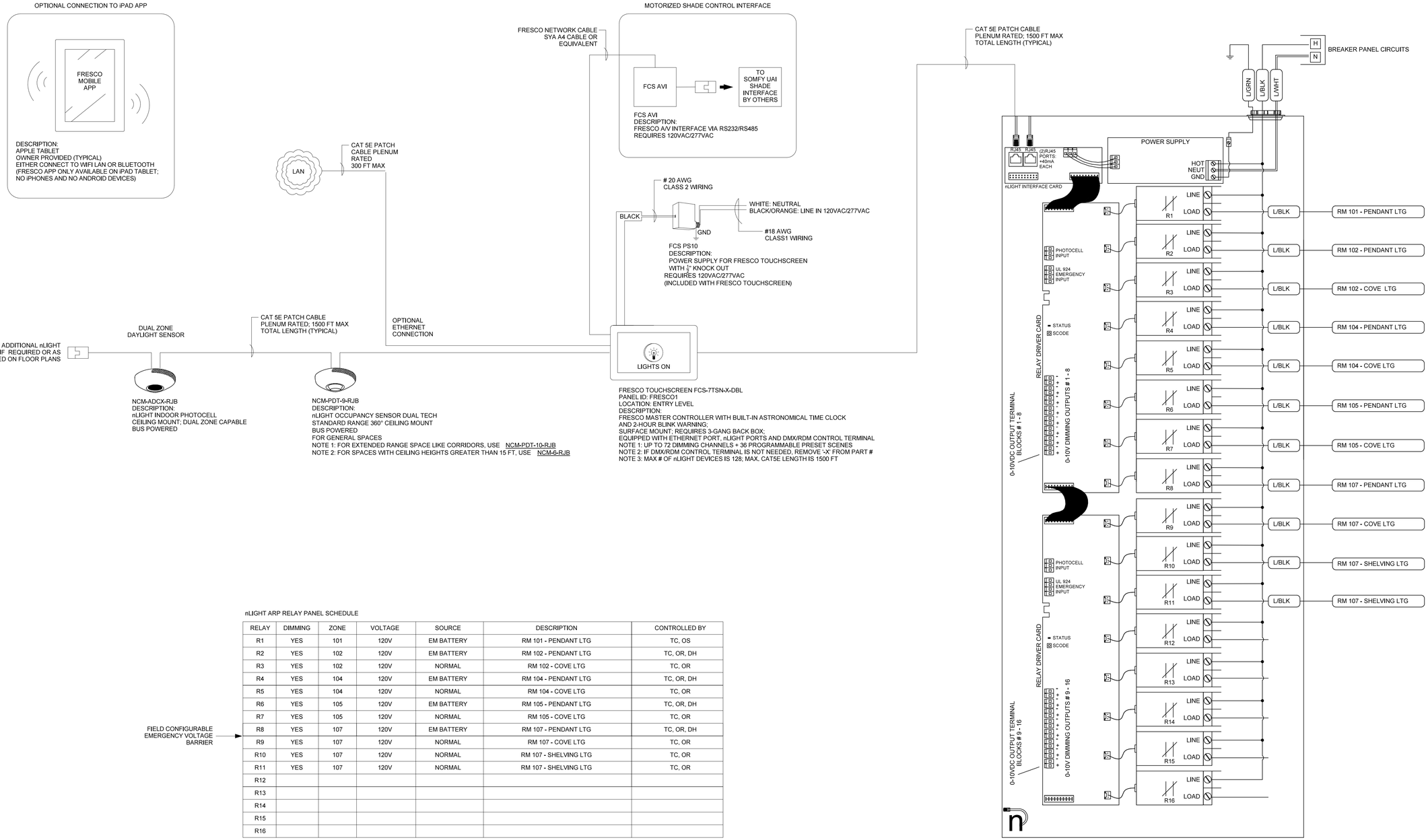

nLIGHT ARP RELAY PANEL SCHEDULE

RELAY	DIMMING	ZONE	VOLTAGE	SOURCE	DESCRIPTION	CONTROLLED BY
R1	YES	101	120V	EM BATTERY	RM 101 - PENDANT LTG	TC, OS
R2	YES	102	120V	EM BATTERY	RM 102 - PENDANT LTG	TC, OR, DH
R3	YES	102	120V	NORMAL	RM 102 - COVE LTG	TC, OR
R4	YES	104	120V	EM BATTERY	RM 104 - PENDANT LTG	TC, OR, DH
R5	YES	104	120V	NORMAL	RM 104 - COVE LTG	TC, OR
R6	YES	105	120V	EM BATTERY	RM 105 - PENDANT LTG	TC, OR, DH
R7	YES	105	120V	NORMAL	RM 105 - COVE LTG	TC, OR
R8	YES	107	120V	EM BATTERY	RM 107 - PENDANT LTG	TC, OR, DH
R9	YES	107	120V	NORMAL	RM 107 - COVE LTG	TC, OR
R10	YES	107	120V	NORMAL	RM 107 - SHELVING LTG	TC, OR
R11	YES	107	120V	NORMAL	RM 107 - SHELVING LTG	TC, OR
R12						
R13						
R14						
R15						
R16						

FIELD CONFIGURABLE EMERGENCY VOLTAGE BARRIER

VERIFY TYPE & QUANTITIES

TC = TIME CLOCK (ASTRONOMICAL)
OR = OVERRIDE MANUAL SWITCH
OS = OCCUPANCY SENSOR
DH = DAYLIGHT HARVEST SENSOR

nLIGHT ARP RELAY PANEL
nLIGHT RELAY PANEL (16 RELAY/ZONE PANEL)
PART #: ARP-INTENC16-NLT-24FCR-MVOLT-1V8-SC-SM
DESCRIPTION:
16 RELAY/ZONE RELAY PANEL WITH 24 0-10VDC DIMMING OUTPUTS
SCREW COVER NEMA 1 BOX
INCLUDE 1 VOLTAGE BARRIER TO SEPERATE NORMAL AND EMERGENCY
PANEL IS FEED-THROUGH TYPE
REQUIRES 120/277V FOR POWER SUPPLY
NOTE 1: VOLTAGE BARRIER INCLUDED IF MODEL PART # HAS '-1VB'

PLAN EXAMINER STAMP AREA:

1 / E5.4 FRESCO LIGHTING CONTROLS - ENTRY LEVEL
NTS

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

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SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
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215 571 4930

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Philadelphia, PA 19103
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KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

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CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

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ELECTRICAL DETAILS

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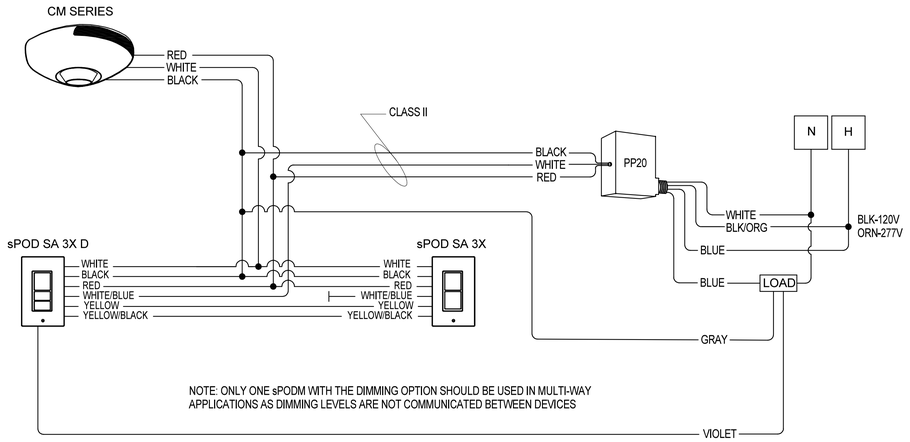
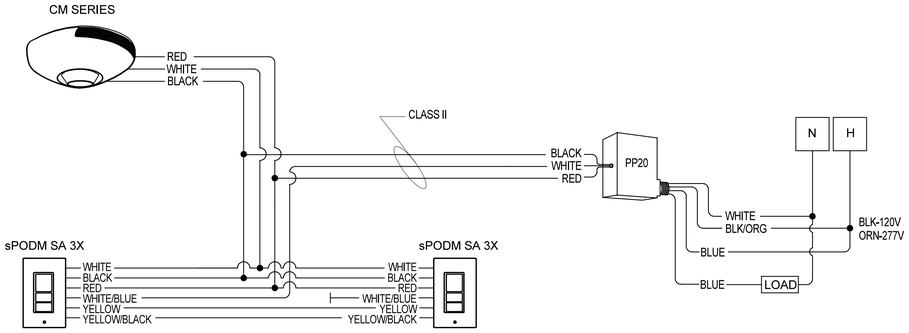
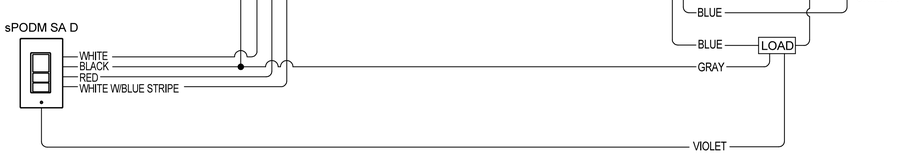


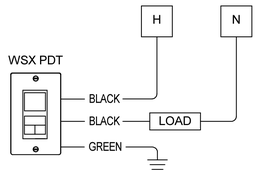
1 E5.5 CEILING MOUNT SENSOR 3-WAY MANUAL-ON AUTO-OFF WITH DIMMING
NTS



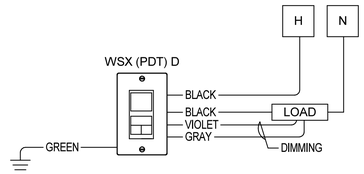
2 E5.5 CEILING MOUNT SENSOR 3-WAY MANUAL-ON AUTO-OFF
NTS



3 E5.5 CEILING MOUNT SENSOR MANUAL-ON AUTO-OFF WITH DIMMING
NTS



4 E5.5 WALL SWITCH 1-POLE AUTO ON/OFF
NTS



5 E5.5 WALL SWITCH 1-POLE DIMMABLE WITH AUTO ON/OFF
NTS

PLAN EXAMINER STAMP AREA:

REVISIONS

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REBUILD | CASSIE O'CONNELL

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2026.04.10 07:04:12-04'00'

PROJECT TEAM

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1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

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CHECKED BY FAJ	

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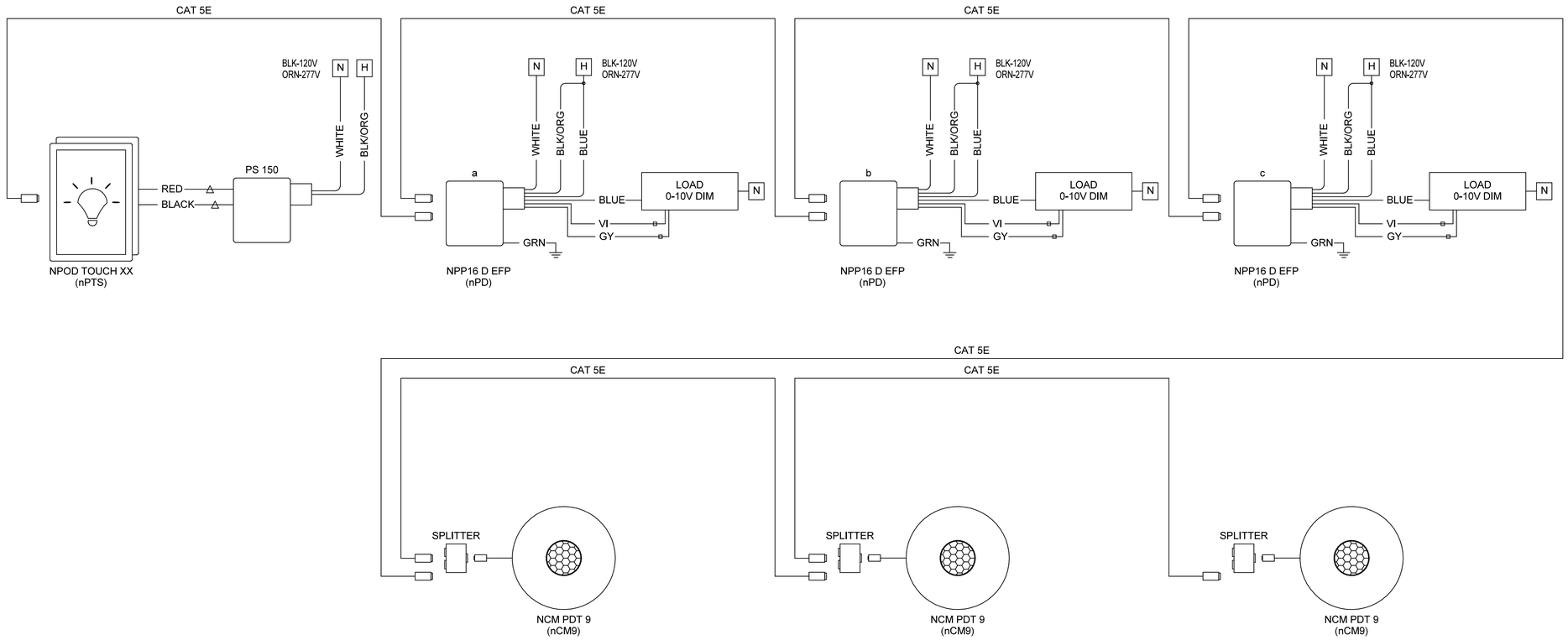

1 / E5.6 nLIGHT LIGHTING CONTROLS - MEETING ROOM

NTS

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR

REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED
PROFESSIONAL
FARES AL JUHESHI
ENGINEER
PE099564

Fares Al Juheshi
2026.04.10 07:04:18-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

ELECTRICAL DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. E5.6
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JEP	
CHECKED BY FAJ	REV.

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	CATALOG NO.	LAMP INFORMATION			NOTES
					TYPE	WATTS EACH	VOLTS	
A	4-INCH WIDE RECESSED LINEAR SLOT FIXTURE, 8' LENGTH, FLUSH LENS, 90 CRI, 4000K COLOR TEMPERATURE, 800 LUMENS PER FOOT, STANDARD DISTRIBUTION, DIMMING TO 10%, WHITE SATIN FINISH	RECESSED	MARK ARCHITECTURAL LIGHTING	SL4L-LOP-8FT-FLP-FL-90CRI-40K-800LMF-2DL-S90CRI-S40K-MIN10	LED	64	120	PROVIDE (2) 10W BATTERY PACKS FOR FIXTURE INDICATED EMERGENCY
B	4-INCH WIDE RECESSED LINEAR SLOT FIXTURE, 4' LENGTH, FLUSH LENS, 90 CRI, 4000K COLOR TEMPERATURE, 800 LUMENS PER FOOT, STANDARD DISTRIBUTION, DIMMING TO 10%, WHITE SATIN FINISH	RECESSED	MARK ARCHITECTURAL LIGHTING	SL4L-LOP-4FT-FLP-FL-90CRI-40K-800LMF-2DL-S90CRI-S40K-MIN10	LED	32	120	PROVIDE (1) 10W BATTERY PACKS FOR FIXTURE INDICATED EMERGENCY
C	4-INCH WIDE RECESSED LINEAR SLOT FIXTURE, 6' LENGTH, FLUSH LENS, 90 CRI, 4000K COLOR TEMPERATURE, 800 LUMENS PER FOOT, STANDARD DISTRIBUTION, DIMMING TO 10%, WHITE SATIN FINISH	RECESSED	MARK ARCHITECTURAL LIGHTING	SL4L-LOP-6FT-FLP-FL-90CRI-40K-800LMF-2DL-S90CRI-S40K-MIN10	LED	48	120	PROVIDE (1) 10W BATTERY PACKS FOR FIXTURE INDICATED EMERGENCY
D	4-INCH WIDE PENDANT MOUNTED INDIRECT/DIRECT LINEAR SLOT FIXTURE, 8' LENGTH, FLUSH LENS, 90 CRI, 4000K COLOR TEMPERATURE, 800 LUMENS PER FOOT, STANDARD DISTRIBUTION, DIMMING TO 10%, WHITE SATIN FINISH	PENDANT	MARK ARCHITECTURAL LIGHTING	S4PID-LSL-8_FT-MSLB-90CRI-40K-800LMF-I90CRI-I40K--I800LMF-SCT-MIN10-FLL-DC-120-WHTT	LED	90	120	PROVIDE (2) 10W BATTERY PACKS FOR FIXTURE INDICATED EMERGENCY
D2	4-INCH WIDE PENDANT MOUNTED INDIRECT/DIRECT LINEAR SLOT FIXTURE, 8' LENGTH, FLUSH LENS, 90 CRI, 4000K COLOR TEMPERATURE, 400 LUMENS PER FOOT, STANDARD DISTRIBUTION, DIMMING TO 10%, WHITE SATIN FINISH	PENDANT	MARK ARCHITECTURAL LIGHTING	S4PID-LSL-8_FT-MSLB-90CRI-40K-400LMF-I90CRI-I40K--I400LMF-SCT-MIN10-FLL-DC-120-WHTT	LED	47	120	PROVIDE (2) 10W BATTERY PACKS FOR FIXTURE INDICATED EMERGENCY
E	4-INCH ROUND DOWNLIGHT, 4000 LUMENS, 4000K COLOR TEMPERATURE, 90 CRI, MEDIUM DISTRIBUTION, DIMMING TO 10%, CLEAR ANODIZED OPEN REFLECTOR, SPECULAR CLEAR TRIM FINISH, SELF FLANGED	RECESSED	GOTHAM ARCHITECTURAL LIGHTING	IVO4-D-40LM-40K-90CRI-MD-MIN10-120-NCH-P-AR-LS-F	LED	42	120	-
F	4-INCH WIDE PENDANT MOUNTED INDIRECT/DIRECT LINEAR SLOT FIXTURE, 4' LENGTH, FLUSH LENS, 90 CRI, 4000K COLOR TEMPERATURE, 800 LUMENS PER FOOT, STANDARD DISTRIBUTION, DIMMING TO 10%, WHITE SATIN FINISH	PENDANT	MARK ARCHITECTURAL LIGHTING	S4PID-LSL-4_FT-MSLB-90CRI-40K-800LMF-I90CRI-I40K--800LMF-SCT-MIN10-FLL-DC-120-WHTT	LED	46	120	PROVIDE (1) 10W BATTERY PACK FOR FIXTURE INDICATED EMERGENCY
G	5.27-INCH WIDE CHAIN HUNG LINEAR STRIP LIGHT, 4' LENGTH, 4000 LUMENS, PREMIUM EFFICIENCY PERFORMANCE PACKAGE, WIDE DIFFUSE LENS, WIDE DISTRIBUTION, DIMS TO 10%, 4000K COLOR TEMPERATURE, 90 CRI, 600V SEOOW CORD, WHITE FINISH	CHAIN HUNG	LITHONIA LIGHTING	CLX-L48-HEF-WDL-WD-120-GZ10-40K-90CRI-CS93W-WH-HC36 M12	LED	24	120	PROVIDE (1) 10W BATTERY PACK FOR FIXTURE INDICATED EMERGENCY
H	4-INCH WIDE SURFACE DIRECT LINEAR FIXTURE, 8' LENGTH, FLUSH LENS, 90 CRI, 4000K COLOR TEMPERATURE, 800 LUMENS PER FOOT, STANDARD DISTRIBUTION, DIMMING TO 10%, DUAL TECHNOLOGY OCCUPANCY SENSOR AND DAYLIGHT DIMMING SENSOR, WHITE SATIN FINISH	SURFACE	MARK ARCHITECTURAL LIGHTING	S4SD-LSL_8_FT_8'-90CRI-40K-800LMF-SCT-MIN10-FLL-120-WHTT	LED	51	120	PROVIDE (2) 10W BATTERY PACKS FOR FIXTURE INDICATED EMERGENCY
J	12' DIAMETER CEILING SUSPENDED LED RING FIXTURE, 3" TALL, CENTRAL AXIS SUSPENSION, DIRECT DISTRIBUTION, 1000 LUMENS PER FOOT, 90 CRI, 0-10V DIMMING TO 1%, HIGH-EFFICIENCY LAMBERTIAN OPTICS, STATIC WHITE LIGHT SOURCE, 4000K COLOR TEMPERATURE, WHITE FINISH, EMERGENCY BATTERY, CUSTOM LENGTH AIRCRAFT CABLE AND POWER CORD	PENDANT	LUMENWERX	CURV3RIP-D-12FT-HLO-NA-SW-90CRI-1000LMF-NA-4000K-120V-D1-1C+EMB(QL)-5PC-240IN-W-PCW-MP6092	LED	379	120	WITH MANUFACTURER'S EMERGENCY BATTERY
K	6' DIAMETER CEILING SUSPENDED LED RING FIXTURE, 3" TALL, CENTRAL AXIS SUSPENSION, DIRECT DISTRIBUTION, 1000 LUMENS PER FOOT, 90 CRI, 0-10V DIMMING TO 1%, HIGH-EFFICIENCY LAMBERTIAN OPTICS, STATIC WHITE LIGHT SOURCE, 4000K COLOR TEMPERATURE, WHITE FINISH, EMERGENCY BATTERY, CUSTOM LENGTH AIRCRAFT CABLE AND POWER CORD	PENDANT	LUMENWERX	CURV3RIP-D-6FT-HLO-NA-SW-90CRI-1000LMF-NA-4000K-120V-D1-1C+EMB(FL)-5PC-72IN-W-PCW-MP6092	LED	190	120	WITH MANUFACTURER'S EMERGENCY BATTERY
L	4' DIAMETER CEILING SUSPENDED LED RING FIXTURE, 3" TALL, CENTRAL AXIS SUSPENSION, DIRECT/INDIRECT DISTRIBUTION, 500 LUMENS PER FOOT, 90 CRI, 0-10V DIMMING TO 1%, HIGH-EFFICIENCY LAMBERTIAN OPTICS, STATIC WHITE LIGHT SOURCE, 4000K COLOR TEMPERATURE, WHITE FINISH, EMERGENCY BATTERY, CUSTOM LENGTH AIRCRAFT CABLE AND POWER CORD	PENDANT	LUMENWERX	CURV3RIP-DI-4FT-HLO-HLO-SW-90CRI-500LMF-500LMF-4000K-120V-D1-1C+EMB(FL)-5PC-48IN-W-PCW	LED	105	120	WITH MANUFACTURER'S EMERGENCY BATTERY
M	4' LINEAR LED COVE FIXTURE, HIGH-OUTPUT, 4000K COLOR TEMPERATURE, 90 CRI, ASYMMETRIC WALLWASH OPTICS - 60° x 60° x 20° TILT, 0-10V DIMMING, ALUMINUM BODY	COVE MOUNTED	ACCLAIM LIGHTING	LNI-D-COLJ-OPTT	LED	47	120	-
N	4' LINEAR LED COVE FIXTURE, HIGH-OUTPUT, 4000K COLOR TEMPERATURE, 90 CRI, ASYMMETRIC WALLWASH OPTICS - 60° x 60°, 0-10V DIMMING, ALUMINUM BODY	COVE MOUNTED	ACCLAIM LIGHTING	LNI-D-COLJ-OPTK	LED	47	120	-
P	LED VAPORTIGHT LIGHT FIXTURE, WALL MOUNT, 4000K COLOR TEMPERATURE, 600 LUMENS, CAST-ALUMINUM HOUSING, CORROSION-RESISTANT GREY FINISH	WALL MOUNTED	LITHONIA LIGHTING	OLVTWM	LED	15	120	-
Q	LED ARCHITECTURAL BAFFLE SYSTEM, LIT PANELS, 12'-0" LENGTH, 12" HEIGHT, EBONY COLOR, FELT BODY COLOR END CAP, CONTINUOUS ROW LENGTH, 24" - 240" SUSPENSION CABLE, DIRECT REGRESSED LIGHT DISTRIBUTION, 90 CRI, 3500K COLOR TEMPERATURE, 250 LUMENS/FOOT, DIMMING TO 1%, WHITE CANOPY, WHITE POWER CORD	SUSPENDED	LIGHT ART	ACC-STR-BEAM-144L-12H-EB-FELT-PM-CRLNA-EXT-DRL-835CK-250LM-P01-OS-WPC-WH	LED	88W	120	
Qb	LED ARCHITECTURAL BAFFLE SYSTEM, UNLIT PANELS, 12'-0" LENGTH, 12" HEIGHT, EBONY COLOR, FELT BODY COLOR END CAP, CONTINUOUS ROW LENGTH, 24" - 240" SUSPENSION CABLE, INDIRECT CONSTRUCTIONJ UNLIT PANEL, WHITE CANOPY	SUSPENDED	LIGHT ART	ACC-STR-BEAM-144L-12H-EB-FELT-PM-CRLNA-EXT-IRL UNLIT OS-WPC	-	-	-	FURNISH AND INSTALL UNLIT BAFFLES AS INDICATED ON ARCHITECTURAL DRAWINGS
R	8' DIAMETER CEILING SUSPENDED LED RING FIXTURE, 3" TALL, CENTRAL AXIS SUSPENSION, DIRECT DISTRIBUTION, 1000 LUMENS PER FOOT, 90 CRI, 0-10V DIMMING TO 1%, HIGH-EFFICIENCY LAMBERTIAN OPTICS, STATIC WHITE LIGHT SOURCE, 4000K COLOR TEMPERATURE, WHITE FINISH, EMERGENCY BATTERY, CUSTOM LENGTH AIRCRAFT CABLE AND POWER CORD	PENDANT	LUMENWERX	CURV3RIP-D-8FT-HLO-NA-SW-90CRI-1000LMF-NA-4000K-120V-D1-1C+EMB(HL)-5PC-72IN-W-PCW-MP6092	LED	253	120	WITH MANUFACTURER'S EMERGENCY BATTERY
S	4-INCH ROUND SHALLOW RECESSED DOWNLIGHT, 2500 LUMENS, 4000K COLOR TEMPERATURE, 90 CRI, MEDIUM WIDE DISTRIBUTION, MINIMUM 10% DIM LEVEL, WET LOCATION RATED, OPEN REFLECTOR, CLEAR ANODIZED TRIM, SPECULAR TRIM FINISH, SELF FLANGED	RECESSED	GOTHAM ARCHITECTURAL LIGHTING	IVO4S-D-25LM-40K-90CRI-MWD-MIN10-120-ZT-NCH-WL-P-AR-LS-F	LED	24	120	-
U	LED UNDER CABINET LIGHT, 1" TALL x 3.6" WIDE x 40" LENGTH, EXTRUDED ALUMINUM, POLYCARBONATE LENS, 1200 LUMENS, FIELD SELECTABLE COLOR TEMPERATURE	SURFACE UNDER CABINET	CANDELA LIGHTING	UC-40-FS	LED	20	120	-
V	LED VANITY LIGHT FIXTURE, 24" LENGTH x 4.25" HEIGHT x 3" DEPTH, 90 CRI, 4000K COLOR TEMPERATURE, GLOSS WHITE FINISH, WHITE SMOOTH ACRYLIC DIFFUSER, CONCEALED OCCUPANCY SENSOR	SURFACE WALL	LIGHTWAY INDUSTRIES	VTEV-24 LED-F1Y-4-W2-WSA-OCCHFA	LED	30	120	-
W1	VANDAL RESISTANT LED WALL PACK, 1450 LUMENS, 4000K COLOR TEMPERATURE, BUTTON TYPE PHOTOCELL, DARK BRONZE FINISH	SURFACE WALL	LITHONIA LIGHTING	TWPX1 LED-P1-40K-MVOLT-PE-DDBXD	LED	11	120	-
W2	LED WALL PACK, 12,000 LUMENS, 4000K COLOR TEMPERATURE, TYPE 3 MEDIUM DISTRIBUTION, 0-10% DIMMING, 10kV SURGE PROTECTION, BRONZE FINISH, TAMPER RESISTANT EN ENCLOSURE FASTENERS, SINGLE FUSED, INTEGRAL PHOTOCELL, EMERGENCY COLD-WEATHER BATTERY BACKUP, WIRE GUARD	SURFACE WALL	HOLOPHANE LIGHTING	WCNP-P5-40K-T3M-120-ZT-10KV-BZSDP-TNOS-SF-BSCP-ELCW-WCNLWG	LED	93	120	WITH MANUFACTURER'S EMERGENCY COLD-WEATHER BATTERY
X1	DIE-CAST ALUMINUM EXIT SIGN, LED SURFACE MOUNT WITH UNIVERSAL KIT, STENCIL FACE, MATTE BLACK BRUSHED ALUMINUM FACE, SINGLE FACE, RED LETTER COLOR, NICKEL CADMIUM BATTERY BACK-UP, SELF DIAGNOSTICS, TAMPER PROOF TORX-HEAD SCREWS, VANDAL-RESISTANT SHIELD	WALL MOUNT	LITHONIA LIGHTING	LE-S-1-R-EL N-SD-TP-VR	LED	2.5W	120/277V	SINGLE FACE UNIT, BACK MOUNTED
X2	DIE-CAST ALUMINUM EXIT SIGN, LED CEILING MOUNT WITH UNIVERSAL KIT, STENCIL FACE, MATTE BLACK BRUSHED ALUMINUM FACE, SINGLE FACE, RED LETTER COLOR, NICKEL CADMIUM BATTERY BACK-UP, SELF DIAGNOSTICS, TAMPER PROOF TORX-HEAD SCREWS, VANDAL-RESISTANT SHIELD	CEILING MOUNT	LITHONIA LIGHTING	LE-S-1-R-EL N-SD-TP-VR	LED	2.5W	120/277V	SINGLE FACE UNIT, CEILING MOUNTED, CHEVRON AS INDICATED
X3	DIE-CAST ALUMINUM EXIT SIGN, LED SURFACE MOUNT WITH UNIVERSAL KIT, STENCIL FACE, MATTE BLACK BRUSHED ALUMINUM FACE, DOUBLE FACE, RED LETTER COLOR, NICKEL CADMIUM BATTERY BACK-UP, SELF DIAGNOSTICS, TAMPER PROOF TORX-HEAD SCREWS, VANDAL-RESISTANT SHIELD	CEILING MOUNT	LITHONIA LIGHTING	LE-S-2-R-EL N-SD-TP-VR	LED	2.5W	120/277V	DOUBLE FACED UNIT, CEILING MOUNTED, CHEVRON AS INDICATED
X4	DIE-CAST ALUMINUM EXIT SIGN, LED END MOUNT WITH UNIVERSAL KIT, STENCIL FACE, MATTE BLACK BRUSHED ALUMINUM FACE, DOUBLE FACE, RED LETTER COLOR, NICKEL CADMIUM BATTERY BACK-UP, SELF DIAGNOSTICS, TAMPER PROOF TORX-HEAD SCREWS, VANDAL-RESISTANT SHIELD	END MOUNT	LITHONIA LIGHTING	LE-S-2-R-EL N-SD-TP-VR	LED	3.8W	120/277V	DOUBLE FACE UNIT, END MOUNTED, CHEVRON AS INDICATED
Y	6" ROUND SHALLOW RECESSED DOWNLIGHT, 4000 LUMENS, 4000K COLOR TEMPERATURE, 90 CRI, MEDIUM DISTRIBUTION, DIMMING TO 10%, EMERGENCY BATTERY PACK, IC AIRTIGHT HOUSING, WET LOCATION RATED, OPEN REFLECTOR GOLD ANODIZED TRIM, SPECULAR FINISH, SELF FLANGED	RECESSED	GOTHAM ARCHITECTURAL LIGHTING	IVO6S-D-40LM-40K-90CRI-MD-MIN10-120-E7WR-ICAT-WL-P-GR-LS-F	LED	38W	120/277V	

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL FARES AL JUHESHI ENGINEER PE099564

Fares Al Juheshi
2026.04.10 07:04:24-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
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530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
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915 Spring Garden Street, Suite 403
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CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL LUMINAIRE SCHEDULE

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. E6.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY JEP	
CHECKED BY FAJ	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

PANEL: MDP

LOCATION: MECHANICAL 011
SUPPLY FROM:
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

MAIN TYPE: MCB
KAIC RATING: 65
BUS AMPS: 800 A
MCB RATING: 800 A

CKT	DESCRIPTION	WIRING INFO	TRIP	POLES	A		B		C		POLES	TRIP	WIRING INFO	DESCRIPTION	CKT
1					22487	12070									2
3	PANEL MP	4 #250MCM, 1 #3 G., 3"C.	250 A	3			21182	9420			3	100 A	4 #1, 1 #8 G., 1-1/2"C.	PANEL LR	4
5									22652	13430					6
7					35985	9046									8
9	PANEL MP2	4 #600MCM, 1 #3 G., 4"C.	400 A	3			34550	9126			3	100 A	4 #1, 1 #8 G., 1-1/2"C.	PANEL ER	10
11									35065	9924					12
13					8751	1027									14
15	PANEL XP	4 #1, 1 #8 G., 1-1/2"C.	100 A	3			4540	1170			3	60 A	4 #1, 1 #10 G., 1-1/4" C.	PANEL LL	16
17									4269	840					18
19					--	3116									20
21	SPACE	--	--	3			--	1950			3	60 A	4 #1, 1 #10 G., 1-1/4" C.	PANEL EL	22
23									--	2621					24
			TOTAL LOAD:		92482 VA		81938 VA		88801 VA						
			TOTAL AMPS:		779 A		683 A		749 A						

LOAD CLASSIFICATION	CONNECT LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Other	1220 VA	100.00%	1220 VA		
Cooling	84420 VA	100.00%	84420 VA	TOTAL CONNECTED LOAD (VA):	263220 VA
HVAC (HEATING + COOLING)	7100 VA	100.00%	7100 VA	TOTAL ESTIMATED DEMAND (VA):	238840 VA
Heating	27160 VA	100.00%	27160 VA	TOTAL CONNECTED LOAD (A):	731 A
Lighting	11124 VA	100.00%	11124 VA	TOTAL ESTIMATED DEMAND (A):	663 A
MISCELLANEOUS	21696 VA	100.00%	21696 VA		
Power - General	14400 VA	100.00%	14400 VA		
RECEPTACLES	48760 VA	50.00%	24380 VA		
Receptacle	720 VA	100.00%	720 VA		
WATER HEATING	46620 VA	100.00%	46620 VA		

NOTES:
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PANEL: XP

LOCATION: MECHANICAL 011
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

MAIN TYPE: MCB
KAIC RATING: 22
BUS AMPS: 100 A
MCB RATING: 100 A

CKT	DESCRIPTION	WIRING INFO	TRIP	POLES	A		B		C		POLES	TRIP	WIRING INFO	DESCRIPTION	CKT
1	ENCLOSED EXTERIOR AREA - GFCIs	2 #10, 1 #10 G., 3/4"C.	20 A	1	360	540					1	20 A	2 #10, 1 #10 G., 3/4"C.	EXTERIOR WEST & SOUTH GFCIs	2
3	EXTERIOR EAST GFCIs	2 #10, 1 #10 G., 3/4"C.	20 A	1			360	22			1	20 A	2 #10, 1 #10 G., 3/4"C.	EXTERIOR STAIRWELL - LIGHTING	4
5	EXTERIOR - HISTORICAL SCONCES	2 #10, 1 #10 G., 3/4"C.	20 A	1					200	190	1	20 A	2 #10, 1 #10 G., 3/4"C.	EXTERIOR SOFFIT - LIGHTING	6
7	EXTERIOR SOUTH - WALLPACKS	2 #10, 1 #10 G., 3/4"C.	20 A	1	372	279					1	20 A	2 #10, 1 #10 G., 3/4"C.	EXTERIOR WEST - WALLPACKS	8
9	EXTERIOR EAST - WALLPACKS	2 #10, 1 #10 G., 3/4"C.	20 A	1			279	279			1	20 A	2 #10, 1 #10 G., 3/4"C.	EXTERIOR WEST/SOUTH -...	10
11	EXTERIOR EAST/SOUTH - WALLPACKS	2 #10, 1 #10 G., 3/4"C.	20 A	1					279	3600	2	45 A	2 #6, 1 #10 G., 3/4"C.	EV CHARGER	12
13	EV CHARGER	2 #6, 1 #10 G., 3/4"C.	45 A	2	3600	3600									14
15							3600	0			1	20 A	--	SPARE	16
17	SPARE	--	20 A	1					0	0	1	20 A	--	SPARE	18
19	SPARE	--	20 A	1	0	0					1	20 A	--	SPARE	20
21	SPACE	--	--	1			--	--			1	--	--	SPACE	22
23	SPACE	--	--	1					--	--	1	--	--	SPACE	24
			TOTAL LOAD:		8751 VA		4540 VA		4269 VA						
			TOTAL AMPS:		73 A		38 A		36 A						

LOAD CLASSIFICATION	CONNECT LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Lighting	1900 VA	100.00%	1900 VA		
Power - General	14400 VA	100.00%	14400 VA	TOTAL CONNECTED LOAD (VA):	17560 VA
RECEPTACLES	1260 VA	100.00%	1260 VA	TOTAL ESTIMATED DEMAND (VA):	17560 VA
				TOTAL CONNECTED LOAD (A):	49 A
				TOTAL ESTIMATED DEMAND (A):	49 A

NOTES:
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PLAN EXAMINER STAMP AREA:

PANEL: MP

LOCATION: MECHANICAL 011
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

MAIN TYPE: MCB
KAIC RATING: 42
BUS AMPS: 250 A
MCB RATING: 250 A

CKT	DESCRIPTION	WIRING INFO	TRIP	POLES	A		B		C		POLES	TRIP	WIRING INFO	DESCRIPTION	CKT
1					15000	2367									2
3	EWH-1	3 #2/0, 1 #6 G., 2"C.	175 A	3			15000	2367			3	20 A	3 #12, 1 #12 G., 3/4"C.	ERV-1	4
5									15000	2367					6
7	VRF-3	2 #12, 1 #12 G., 3/4"C.	15 A	2	125	520									8
9							125	520			2	20 A	2#12, 1 #12 G., 3/4"C.	BS-1	10
11	BS-2	2 #12, 1 #12 G., 3/4"C.	20 A	2					520	330					12
13					520	330									14
15	BS-3	2 #12, 1 #12 G., 3/4"C.	20 A	2			520	330							16
17									520	330	2	15 A	2#12, 1 #12 G., 3/4"C.	VRF-6	18
19	VRF-13	2 #12, 1 #12 G., 3/4"C.	15 A	2	35	330									20
21							35	330			2	15 A	2#12, 1 #12 G., 3/4"C.	VRF-8	22
23	WH-3	2 #12, 1 #12 G., 3/4"C.	15 A	2					750	125					24
25					750	125					2	15 A	2 #12, 1 #12 G., 3/4"C.	VRF-2	26
27	VRF-9	2 #12, 1 #12 G., 3/4"C.	15 A	2			330	750							28
29									330	750	2	15 A	2 #12, 1 #12 G., 3/4"C.	WH-2	30
31	WH-1	2 #12, 1 #12 G., 3/4"C.	15 A	2	750	125									32
33							750	125			2	15 A	2 #12, 1 #12 G., 3/4"C.	VRF-1	34
35	HOT WATER RECIRC PUMP	2 #10, 1 #10 G., 3/4"C.	20 A	1					120	1510					36
37	SPACE	--	--	1	--	1510					2	20 A	2 #12, 1 #12 G., 3/4"C.	EUH-1	38
39	SPACE	--	--	1			--	--			1	--	--	SPACE	40
41	SPACE	--	--	1					--	--	1	--	--	SPACE	42
43	SPACE	--	--	1	--	--					1	--	--	SPACE	44
45	SPACE	--	--	1			--	--			1	--	--	SPACE	46
47	SPACE	--	--	1					--	--	1	--	--	SPACE	48
49	SPACE	--	--	1	--	--					1	--	--	SPACE	50
51	SPACE	--	--	1			--	--			1	--	--	SPACE	52
53	SPACE	--	--	1					--	--	1	--	--	SPACE	54
			TOTAL LOAD:		22487 VA		21182 VA		22652 VA						
			TOTAL AMPS:		189 A		177 A		190 A						

LOAD CLASSIFICATION	CONNECT LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC (HEATING + COOLING)	7100 VA	100.00%	7100 VA		
Heating	14100 VA	100.00%	14100 VA	TOTAL CONNECTED LOAD (VA):	66320 VA
WATER HEATING	45120 VA	100.00%	45120 VA	TOTAL ESTIMATED DEMAND (VA):	66320 VA
				TOTAL CONNECTED LOAD (A):	184 A
				TOTAL ESTIMATED DEMAND (A):	184 A

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PANEL: MP2

LOCATION: MECHANICAL 011
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

MAIN TYPE: MCB
KAIC RATING: 42
BUS AMPS: 400 A
MCB RATING: 400 A

CKT	DESCRIPTION	WIRING INFO	TRIP	POLES	A		B		C		POLES	TRIP	WIRING INFO	DESCRIPTION	CKT
1	VRF-10	2 #12, 1 #12 G., 3/4"C.	15 A	2	330	330					2	15 A	2 #12, 1 #12 G., 3/4"C.	VRF-4	2
3							330	330							4
5	VRF-5	2 #12, 1 #12 G., 3/4"C.	15 A	2					330	330	2	15 A	2 #12, 1 #12 G., 3/4"C.	VRF-11	6
7					330	330									8
9							9380	9380							10
11	CU-1	3 #1, 1 #8 G., 1-1/2"C.	100 A	3					9380	9380	3	100 A	3 #1, 1 #8 G., 1-1/2"C.	CU-2	12
13					9380	9380									14
15							9380	1500							16
17	CU-3	3 #1, 1 #8 G., 1-1/2"C.	100 A	3					9380	1500	2	20 A	2 #12, 1 #12 G., 3/4"C.	WH-4	18
19					9380	750									20
21	WH-6	2 #12, 1 #12 G., 3/4"C.	20 A	2			750	750			2	20 A	2 #12, 1 #12 G., 3/4"C.	WH-7	22
23									750	1500					24
25	VRF-12A	2 #12, 1 #12 G., 3/4"C.	20 A	2	355	1500					2	20 A	2 #12, 1 #12 G., 3/4"C.	WH-5	26
27							355	355							28
29									1800	355	2	20 A	2 #12, 1 #12 G., 3/4"C.	VRF-12B	30
31	ELEVATOR DRIVE MOTOR	3 #10, 1 #10 G., 3/4"C.	30 A	3	1800	120					1	20 A	2 #12, 1 #12 G., 3/4"C.	MOTORIZED DAMPERS	32
33							1800	240			1	20 A	2 #12, 1 #12 G., 3/4"C.	MOTORIZED DAMPERS	34
35	MOTORIZED DAMPERS	2 #12, 1 #12 G., 3/4"C.	20 A	1					120	240	1	20 A	2 #12, 1 #12 G., 3/4"C.	MOTORIZED DAMPERS	36
37	WH-2	2 #12, 1 #12 G., 3/4"C.	20 A	1	1500	500					1	20 A	2 #12, 1 #12 G., 3/4"C.	BAS PANEL	38
39	SPACE	--	--	1			--	--			1	--	--	SPACE	40
41	SPACE	--	--	1					--	--	1	--	--	SPACE	42
43	SPACE	--	--	1	--	--					1	--	--	SPACE	44
45	SPACE	--	--	1			--	--			1	--	--	SPACE	46
47	SPACE	--	--	1					--	--	1	--	--	SPACE	48
49	SPACE	--	--	1	--	--					1	--	--	SPACE	50
51	SPACE	--	--	1			--	--			1	--	--	SPACE	52
53	SPACE	--	--	1					--	--	1	--	--	SPACE	54
			TOTAL LOAD:		35985 VA		34550 VA		35065 VA						
			TOTAL AMPS:		301 A		288 A		293 A						

LOAD CLASSIFICATION	CONNECT LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Other	1220 VA	100.00%	1220 VA		
Cooling	84420 VA	100.00%	84420 VA	TOTAL CONNECTED LOAD (VA):	105600 VA
Heating	13060 VA	100.00%	13060 VA	TOTAL ESTIMATED DEMAND (VA):	105600 VA
MISCELLANEOUS	5400 VA	100.00%	5400 VA	TOTAL CONNECTED LOAD (A):	293 A
WATER HEATING	1500 VA	100.00%	1500 VA	TOTAL ESTIMATED DEMAND (A):	293 A

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PANELS	
MDP	MP
XP	MP2

REVISIONS		
ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY of PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL ENGINEER — FARES AL JUHESHI — PE095564
Fares Al Juheshi
2026.04.10 07:04:31-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL PANELBOARD SCHEDULES

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10
DATE: 04/09/2026
SCALE: AS NOTED
DRAWN BY: JEP
CHECKED BY: FAJ

DRAWING NO.: E6.2

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

PANEL: EL

LOCATION: STORAGE 012
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

MAIN TYPE: MCB
KAIC RATING: 22
BUS AMPS: 100 A
MCB RATING: 60 A

CKT	DESCRIPTION	WIRING INFO	TRIP	POLES	A		B		C		POLES	TRIP	WIRING INFO	DESCRIPTION	CKT
1	109 - LIGHTING	2 #10, 1 #10 G., 3/4"C.	20 A	1	264	440					1	20 A	2 #10, 1 #10 G., 3/4"C.	108 - LIGHTING	2
3	106,112 - LIGHTING	2 #10, 1 #10 G., 3/4"C.	20 A	1			164	62			1	20 A	2 #10, 1 #10 G., 3/4"C.	103 - LIGHTING	4
5	ELEVATOR CAB LIGHTS	2 #12, 1 #12 G., 3/4"C.	20 A	1					500	500	1	20 A	2 #10, 1 #10 G., 3/4"C.	102 - LIGHTING/SHADE CONTROLLER	6
7	104 - COVE LIGHTING	2 #10, 1 #10 G., 3/4"C.	20 A	1	423	470					1	20 A	2 #10, 1 #10 G., 3/4"C.	105 - COVE LIGHTING	8
9	101 - PENDANT LIGHTING	2 #10, 1 #10 G., 3/4"C.	20 A	1			210	760			1	20 A	2 #10, 1 #10 G., 3/4"C.	105 - PENDANT LIGHTING	10
11	104 - PENDANT LIGHTING	2 #10, 1 #10 G., 3/4"C.	20 A	1					253	1128	1	20 A	2 #10, 1 #10 G., 3/4"C.	102 - COVE LIGHTING	12
13	107 - PENDANT LIGHTING	2 #10, 1 #10 G., 3/4"C.	20 A	1	1140	379					1	20 A	2 #10, 1 #10 G., 3/4"C.	102 - PENDANT LIGHT	14
15	107 - COVE LIGHTING	2 #10, 1 #10 G., 3/4"C.	20 A	1			658	96			1	20 A	2 #10, 1 #10 G., 3/4"C.	107 - SHELVING LIGHTS	16
17	107 - SHELVING LIGHTS	2 #10, 1 #10 G., 3/4"C.	20 A	1					96	144	1	20 A		Lighting	18
19	SPARE	--	20 A	1	0	0					1	20 A	--	SPARE	20
21	SPARE	--	20 A	1			0	0			1	20 A	--	SPARE	22
23	SPARE	--	20 A	1					0	0	1	20 A	--	SPARE	24
25	SPACE	--	--	1	--	--					1	--	--	SPACE	26
27	SPACE	--	--	1			--	--			1	--	--	SPACE	28
29	SPACE	--	--	1					--	--	1	--	--	SPACE	30
			TOTAL LOAD:		3116 VA		1950 VA		2621 VA						
			TOTAL AMPS:		27 A		16 A		23 A						

LOAD CLASSIFICATION	CONNECT LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Lighting	6687 VA	100.00%	6687 VA		
MISCELLANEOUS	1000 VA	100.00%	1000 VA	**TOTAL CONNECTED LOAD (VA):**	7687 VA
				TOTAL ESTIMATED DEMAND (VA):	7687 VA
				TOTAL CONNECTED LOAD (A):	21 A
				TOTAL ESTIMATED DEMAND (A):	21 A

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PANEL: LL

LOCATION: STORAGE 012
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

MAIN TYPE: MCB
KAIC RATING: 22
BUS AMPS: 100 A
MCB RATING: 60 A

CKT	DESCRIPTION	WIRING INFO	TRIP	POLES	A		B		C		POLES	TRIP	WIRING INFO	DESCRIPTION	CKT
1	008,009,010,011,012 - LIGHTING	2 #10, 1 #10 G., 3/4"C.	20 A	1	336	15					1	20 A	2 #10, 1 #10 G., 3/4"C.	ELEVATOR PIT - LIGHTING	2
3	013,014B - LIGHTING	2 #10, 1 #10 G., 3/4"C.	20 A	1			120	180			1	20 A	2 #10, 1 #10 G., 3/4"C.	007 - LIGHTING	4
5	001 - LIGHTING	2 #10, 1 #10 G., 3/4"C.	20 A	1					170	62	1	20 A	2 #10, 1 #10 G., 3/4"C.	002 - LIGHTING	6
7	001 - LIGHTING	2 #10, 1 #10 G., 3/4"C.	20 A	1	94	126					1	20 A	2 #10, 1 #10 G., 3/4"C.	004,004A,014A - LIGHTING	8
9	004B,006 - LIGHTING	2 #10, 1 #10 G., 3/4"C.	20 A	1			174	196			1	20 A	2 #10, 1 #10 G., 3/4"C.	004 - LIGHTING	10
11	003 - LIGHTING	2 #10, 1 #10 G., 3/4"C.	20 A	1					188	420	1	20 A	2 #10, 1 #10 G., 3/4"C.	014 - LIGHTING CKT a	12
13	014 - LIGHTING CKT b	2 #10, 1 #10 G., 3/4"C.	20 A	1	360	96					1	20 A	2 #10, 1 #10 G., 3/4"C.	014 - LIGHTING CKT c	14
15	014 - LIGHTING CONTROLLER	2 #10, 1 #10 G., 3/4"C.	20 A	1			500	0			1	20 A	--	SPARE	16
17	SPARE	--	20 A	1					0	0	1	20 A	--	SPARE	18
19	SPARE	--	20 A	1	0	0					1	20 A	--	SPARE	20
21	SPACE	--	--	1			--	--			1	--	--	SPACE	22
23	SPACE	--	--	1					--	--	1	--	--	SPACE	24
			TOTAL LOAD:		1027 VA		1170 VA		840 VA						
			TOTAL AMPS:		9 A		10 A		7 A						

LOAD CLASSIFICATION	CONNECT LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Lighting	2537 VA	100.00%	2537 VA		
MISCELLANEOUS	500 VA	100.00%	500 VA	**TOTAL CONNECTED LOAD (VA):**	3037 VA
				TOTAL ESTIMATED DEMAND (VA):	3037 VA
				TOTAL CONNECTED LOAD (A):	8 A
				TOTAL ESTIMATED DEMAND (A):	8 A

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PLAN EXAMINER STAMP AREA:

PANEL: ER

LOCATION: STORAGE 012
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

MAIN TYPE: MCB
KAIC RATING: 22
BUS AMPS: 100 A
MCB RATING: 100 A

CKT	DESCRIPTION	WIRING INFO	TRIP	POLES	A		B		C		POLES	TRIP	WIRING INFO	DESCRIPTION	CKT
1	101,103 - GFCIs	2 #12, 1 #12 G., 3/4"C.	20 A	1	360	720					1	20 A	2 #12, 1 #12 G., 3/4"C.	SECURITY GATE - FRONT ENTRANCE	2
3	SECURITY GATE - BACK ENTRANCE	2 #10, 1 #10 G., 3/4"C.	20 A	1			720	720			1	20 A	2 #10, 1 #10 G., 3/4"C.	102 - RECEPTs	4
5	105 - POKE THRUs	2 #12, 1 #12 G., 3/4"C.	20 A	1					720	1080	1	20 A	2 #12, 1 #12 G., 3/4"C.	CIRC DESK WEST - QUADs	6
7	107 - STAFF DESK POKE THRU	2 #10, 1 #10 G., 3/4"C.	20 A	1	1080	1080					1	20 A	2 #12, 1 #12 G., 3/4"C.	CIRC DESK EAST - QUADs	8
9	107 - POKE THRUs	2 #10, 1 #10 G., 3/4"C.	20 A	1			1080	360			1	20 A	2 #12, 1 #12 G., 3/4"C.	104 - POKE THRU, COMPUTER	10
11	104 - POKE THRUs	2 #12, 1 #12 G., 3/4"C.	20 A	1					720	900	1	20 A	2 #12, 1 #12 G., 3/4"C.	104 - RECEPTs	12
13	104 - POKE THRUs	2 #12, 1 #12 G., 3/4"C.	20 A	1	720	300					1	20 A	2 #12, 1 #12 G., 3/4"C.	109 - WALL MONITOR	14
15	104 - COMPUTER AREA QUAD	2 #12, 1 #12 G., 3/4"C.	20 A	1			720	360			1	20 A	2 #12, 1 #12 G., 3/4"C.	108 - RECEPTs	16
17	104 - RECEPTs	2 #12, 1 #12 G., 3/4"C.	20 A	1					360	360	1	20 A	2 #12, 1 #12 G., 3/4"C.	108 - QUAD	18
19	108 - RECEPTs	2 #12, 1 #12 G., 3/4"C.	20 A	1	180	180					1	20 A	2 #12, 1 #12 G., 3/4"C.	106 - GFCI	20
21	108 - QUAD	2 #12, 1 #12 G., 3/4"C.	20 A	1			360	540			1	20 A	2 #12, 1 #12 G., 3/4"C.	109 - RECEPT & POKE THRU	22
23	108 - QUAD	2 #12, 1 #12 G., 3/4"C.	20 A	1					360	404	1	20 A	2 #10, 1 #10 G., 3/4"C.	104 - SHADES	24
25	104 - SHADES	2 #10, 1 #10 G., 3/4"C.	20 A	1	608	608					1	20 A	2 #10, 1 #10 G., 3/4"C.	104 - SHADES	26
27	105 - SHADES	2 #10, 1 #10 G., 3/4"C.	20 A	1			608	608			1	20 A	2 #10, 1 #10 G., 3/4"C.	105 - SHADES	28
29	105 - SHADES	2 #10, 1 #10 G., 3/4"C.	20 A	1					608	812	1	20 A	2 #10, 1 #10 G., 3/4"C.	107 - SHADES	30
31	107 - SHADES	2 #10, 1 #10 G., 3/4"C.	20 A	1	608	812					1	20 A	2 #10, 1 #10 G., 3/4"C.	107 - SHADES	32
33	105 - POKE THRUs	2 #10, 1 #10 G., 3/4"C.	20 A	1			1080	720			1	20 A	2 #10, 1 #10 G., 3/4"C.	105 - POKE THRUs	34
35	107 - POKE THRUs	2 #10, 1 #10 G., 3/4"C.	20 A	1					720	1080	1	20 A	2 #10, 1 #10 G., 3/4"C.	107 - STAFF DESK POKE THRU	36
37	102 - MOTORIZED SHADE INTERFACE	2 #10, 1 #10 G., 3/4"C.	20 A	1	180	360					1	20 A	2 #12, 1 #12 G., 3/4"C.	102 - POKE THRU	38
39	COPY/PRINT PLUGMOLD	2 #12, 1 #12 G., 3/4"C.	20 A	1			360	360			1	20 A	2 #12, 1 #12 G., 3/4"C.	COPY/PRINT PLUGMOLD	40
41	CIRC DESK NORTH - QUADs	2 #12, 1 #12 G., 3/4"C.	20 A	1					1080	720	1	20 A	2 #10, 1 #10 G., 3/4"C.	SINGLE RECEPTs NORTH NOOKS	42
43	SINGLE RECEPTs EAST NOOKS	2 #12, 1 #12 G., 3/4"C.	20 A	1	720	530					1	20 A	2 #12, 1 #12 G., 3/4"C.	103 HAND DRYER	44
45	106 HAND DRYER	2 #12, 1 #12 G., 3/4"C.	20 A	1			530	0			1	20 A	--	SPARE	46
47	SPARE	--	20 A	1					0	0	1	20 A	--	SPARE	48
49	SPACE	--	--	1	--	--					1	--	--	SPACE	50
51	SPACE	--	--	1			--	--			1	--	--	SPACE	52
53	SPACE	--	--	1					--	--	1	--	--	SPACE	54
			TOTAL LOAD:		9046 VA		9126 VA		9924 VA						
			TOTAL AMPS:		75 A		76 A		83 A						

LOAD CLASSIFICATION	CONNECT LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
MISCELLANEOUS	8476 VA	100.00%	8476 VA		
RECEPTACLES	19260 VA	50.00%	9630 VA	**TOTAL CONNECTED LOAD (VA):**	28096 VA
Receptacle	360 VA	100.00%	360 VA	**TOTAL ESTIMATED DEMAND (VA):**	18466 VA
				TOTAL CONNECTED LOAD (A):	78 A
				TOTAL ESTIMATED DEMAND (A):	51 A

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PANEL: LR

LOCATION: STORAGE 012
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

MAIN TYPE: MCB
KAIC RATING: 22
BUS AMPS: 100 A
MCB RATING: 100 A

CKT	DESCRIPTION	WIRING INFO	TRIP	POLES	A		B		C		POLES	TRIP	WIRING INFO	DESCRIPTION	CKT
1	FIRE ALARM PANEL & NAC PANELS	2 #12, 1 #12 G., 3/4"C.	20 A	1	990	720					1	20 A	2 #12, 1 #12 G., 3/4"C.	011 - QUAD GFCIs	2
3	001,012 - RECEPTs	2 #12, 1 #12 G., 3/4"C.	20 A	1			540	540			1	20 A	2 #12, 1 #12 G., 3/4"C.	007,010 - RECEPTs	4
5	002,009, ELEV PIT GFCIs	2 #12, 1 #12 G., 3/4"C.	20 A	1					540	2640	1	30 A	2 #10, 1 #10 G., 3/4"C.	008 - L5-30R	6
7	008 - L5-30R	2 #10, 1 #10 G., 3/4"C.	30 A	1	2640	360					1	20 A	2 #12, 1 #12 G., 3/4"C.	008 - QUAD	8
9	013, 014B - GFCIs	2 #12, 1 #12 G., 3/4"C.	20 A	1			360	720			1	20 A	2 #12, 1 #12 G., 3/4"C.	014 - COUNTER QUADs	10
11	014 - QUAD, RECEPTs	2 #12, 1 #12 G., 3/4"C.	20 A	1					720	720	1	20 A	2 #12, 1 #12 G., 3/4"C.	014 - QUAD, RECEPTs	12
13	014 - QUADs	2 #12, 1 #12 G., 3/4"C.	20 A	1	720	1080					1	20 A	2 #10, 1 #10 G., 3/4"C.	014 - FLOOR BOXES	14
15	014 - FLOOR BOXES	2 #10, 1 #10 G., 3/4"C.	20 A	1			1080	1080			1	20 A	2 #10, 1 #10 G., 3/4"C.	014 - FLOOR BOXES	16
17	014 - FLOOR BOXES	2 #10, 1 #10 G., 3/4"C.	20 A	1					1440	540	1	20 A	2 #10, 1 #10 G., 3/4"C.	001,003 - RECEPTs	18
19	004A,004B - GFCIs	2 #10, 1 #10 G., 3/4"C.	20 A	1	360	900					1	20 A	2 #10, 1 #10 G., 3/4"C.	006 - FLOOR BOX, AC QUAD, RECEPT	20
21	004 - QUAD, RECEPTs	2 #10, 1 #10 G., 3/4"C.	20 A	1			900	360			1	20 A	2 #10, 1 #10 G., 3/4"C.	004 - COUNTER GFCIs	22
23	004 - DISHWASHER	2 #10, 1 #10 G., 3/4"C.	20 A	1					800	2640	1	30 A	2 #10, 1 #10 G., 3/4"C.	004 - RANGE	24
25	004 - EXHAUST HOOD	2 #10, 1 #10 G., 3/4"C.	20 A	1	700	900					1	20 A	2 #10, 1 #10 G., 3/4"C.	004 - REFRIGERATOR	26
27	003 - RECEPTs	2 #10, 1 #10 G., 3/4"C.	20 A	1			360	720			1	20 A	2 #10, 1 #10 G., 3/4"C.	003 - FLOORBOXES	28
29	003 - COUNTER GFCIs	2 #10, 1 #10 G., 3/4"C.	20 A	1					540	800	1	20 A	2 #10, 1 #10 G., 3/4"C.	003 - DISHWASHER	30
31	003 - REFRIGERATOR	2 #10, 1 #10 G., 3/4"C.	20 A	1	900	900					1	20 A	2 #10, 1 #10 G., 3/4"C.	003 - REFRIGERATOR	32
33	003 - DRYER	2 #10, 1 #10 G., 3/4"C.	20 A	1			1100	600			1	20 A	2 #10, 1 #10 G., 3/4"C.	003 - WASHER	34
35	001 - WATER COOLER / BOTTLE FILL	2 #10, 1 #10 G., 3/4"C.	20 A	1					800	720	1	20 A	2 #10, 1 #10 G., 3/4"C.	003 - DISPOSAL	36
37	004 - DISPOSAL	2 #10, 1 #10 G., 3/4"C.	20 A	1	720	180					1	20 A	2 #12, 1 #12 G., 3/4"C.	RECEPTACLE FOR VIDEO MONITOR	38
39	002 HAND DRYER	2 #10, 1 #10 G., 3/4"C.	20 A	1			530	530			1	20 A	2 #10, 1 #10 G., 3/4"C.	004B HAND DRYER	40
41	004A HAND DRYER	2 #10, 1 #10 G., 3/4"C.	20 A	1					530	0	1	20 A	--	SPARE	42
43	SPARE	--	20 A	1	0	0					1	20 A	--	SPARE	44
45	SPARE	--	20 A	1			0	--			1	--	--	SPACE	46
47	SPACE	--	--	1					--	--	1	--	--	SPACE	48
49	SPACE	--	--	1	--	--					1	--	--	SPACE	50
51	SPACE	--	--	1			--	--			1	--	--	SPACE	52
53	SPACE	--	--	1					--	--	1	--	--	SPACE	54
			TOTAL LOAD:		12070 VA		9420 VA		13430 VA						
			TOTAL AMPS:		104 A		79 A		115 A						

LOAD CLASSIFICATION	CONNECT LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
MISCELLANEOUS	6320 VA	100.00%	6320 VA		
RECEPTACLES	28240 VA	50.00%	14120 VA	**TOTAL CONNECTED LOAD (VA):**	34920 VA
Receptacle	360 VA	100.00%	360 VA	**TOTAL ESTIMATED DEMAND (VA):**	20800 VA
				TOTAL CONNECTED LOAD (A):	97 A
				TOTAL ESTIMATED DEMAND (A):	58 A

NOTES:
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PANELS	
EL	ER
LL	LR

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY of PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — FARES AL JUHESHI — ENGINEER — PE059554

Fares Al Juheshi
2026.04.10 07:04:37-04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
ELECTRICAL PANELBOARD SCHEDULES

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10
DRAWING NO.: E6.3
DATE: 04/09/2026
SCALE: AS NOTED
DRAWN BY: JEP
CHECKED BY: FAJ
REV:

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

SYMBOL	DESCRIPTION
#□	WALL MOUNTED FIRE ALARM HORN/STROBE # DENOTES CANDELA RATING.
#□	WALL MOUNTED FIRE ALARM STROBE. # DENOTES CANDELA RATING.
#○	CEILING MOUNTED FIRE ALARM HORN/STROBE. # DENOTES CANDELA RATING.
H	WALL MOUNTED FIRE ALARM HORN.
#@	CEILING MOUNTED FIRE ALARM STROBE. # DENOTES CANDELA RATING.
F	MANUAL PULL STATION
H XX	HEAT DETECTOR - XX DENOTES DEVICE TYPE: R/F COMBINATION RATE OF RISE/FIXED TEMPERATURE R/C RATE COMPENSATION F FIXED TEMPERATURE R RATE OF RISE ONLY
S	SMOKE DETECTOR
S XX	BEAM SMOKE DETECTOR - XX DENOTES DEVICE TYPE: BT END-TO-END BEAM SMOKE TRANSMITTER BR END-TO-END BEAM SMOKE RECEIVER BTC SINGLE-ENDED BEAM SMOKE TRANSCEIVER BRF SINGLE-ENDED BEAM SMOKE REFLECTOR
S	DUCT SMOKE DETECTOR
AIM	ADDRESSABLE INPUT MODULE
AOM	ADDRESSABLE OUTPUT MODULE
RL	REMOTE ALARM INDICATOR
FACP	FIRE ALARM CONTROL PANEL
	POINT OF DEMOLITION
	POINT OF CONNECTION
RTS	REMOTE ALARM/ TEST/RESET SWITCH
SHD	HVAC SHUTDOWN CONTROL - FURNISHED BY OTHERS

*NOTE: ALL SYMBOLS MAY NOT BE INCLUDED WITHIN THE CURRENT DRAWING SET

EQUIPMENT NAMING LEGEND

BR - LL - NAME - YYYY

- BUILDING / TERMINAL REFRENCE
- LEVEL OF BUILDING
- EQUIPMENT TYPE OR NAME
- EQUIPMENT NUMBER / ADDRESS

ZONE TAG IDENTIFICATION:

ZONE NAME:

BB-LL-ZN

- BUILDING DESIGNATION
- FLOOR / AREA LEVEL
- ZONE NUMBER

PLAN EXAMINER STAMP AREA:

FIRE ALARM DEMOLITION NOTES:

1. DRAWINGS ARE DIAGRAMMATICAL AND INDICATE THE GENERAL CAPACITIES AND LOCATIONS OF EQUIPMENT TO BE REMOVED. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE TO DETERMINE ACTUAL PHYSICAL SIZE, CAPACITIES AND LOCATIONS OF EXISTING EQUIPMENT TO BE REMOVED.
2. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN THE EXISTING FIRE ALARM SYSTEM OPERATIONAL INTEGRITY THROUGHOUT THE PROJECT.
3. ALL OCCUPIED OR AREAS IN SERVICE REQUIRE A FULLY OPERATIONAL FIRE ALARM SYSTEM AT ALL TIMES. IF THE FIRE ALARM SYSTEM CANNOT BE FULLY OPERATIONAL, THE PM SHALL BE NOTIFIED AND THE REQUIREMENTS OF THE APPLICABLE CODE SHALL APPLY.
4. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS. COORDINATE ALL REQUIRED EQUIPMENT AND SYSTEMS SHUTDOWN WITH THE COTR, AND PROVIDE THE PROJECT MANAGER PROPER NOTICE OF SAME.
5. ALL PENETRATIONS THROUGH DESIGNATED FIRE RATED WALLS, CEILINGS AND FLOOR SLABS SHALL BE PROPERLY SEALED WITH AN APPROVED RATED FIRE STOPPING MATERIAL. ALL FIRE STOPPING MATERIAL SHALL BE SUPPLIED AND WORK PERFORMED AS PER MANUFACTURER INSTRUCTIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS IT MAY APPLY TO THE AREAS OF DEMOLITION, OR MAY BE AFFECTED BY PIPE, DUCTWORK, EQUIPMENT AND APPURTENANCES REMOVED. PATCH AND REPAIR SHALL MATCH EXISTING BUILDING STRUCTURE AND FINISHES.
7. COORDINATE DEMOLITION WORK WITH ALL OTHER TRADES. PHASE WORK IN CONJUNCTION WITH OTHER TRADES.
8. CONTRACTOR SHALL ENSURE EXISTING SOFTWARE IS UPDATED TO REFLECT REMOVED DEVICES.
9. CONDUIT TO BE DEMOLISHED SHALL BE CUT AND CAPPED BY THE CONTRACTOR AT THE THE NEAREST JUNCTION BOX OR DEVICE TO REMAIN. PULL STRING AND LABEL SHALL BE PROVIDED FOR CONDUITS THAT ARE LEFT.
10. DEMOLISHED EQUIPMENT/SERVICES WILL BE REMOVED BACK TO THE LIMIT OF DEMOLITION AS INDICATED ON DRAWINGS, OR TO THE NEAREST DEVICE, PANEL OR JUNCTION OUTSIDE THE AREA OF DEMOLITION. PROVIDE CAPS AS NECESSARY.
11. CONTRACTOR SHALL KEEP WORK AREA CLEAN, ORDERLY AND WORKMANLIKE. REMOVE ALL DEMOLISHED TRASH/RUBBLE/CONSTRUCTION DEBRIS FROM SITE DAILY. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
12. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. REMOVE DEBRIS FROM ELEVATED PORTIONS OF BUILDING BY CHUTE, HOIST, OR OTHER DEVICES THAT WILL CONVEY DEBRIS TO GRADE LEVEL IN A CONTROLLED DESCENT.
13. ALL EXISTING ABANDONED CONDUIT/PIPING OR CONDUIT/PIPING MADE ABANDONED BY WORK OF THIS PROJECT SHALL BE REMOVED FROM WITHIN THE PROJECT BOUNDARIES, UNLESS OTHERWISE NOTED ON THE DRAWINGS. PROVIDE CUTTING AND PATCHING OF ALL CEILINGS, FLOORS AND WALLS AS REQUIRED.
14. NOTIFY THE PROJECT MANAGER OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND DRAWINGS BEFORE PROCEEDING WITH SELECTIVE DEMOLITION.
15. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION.
16. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. AT CONCEALED SPACES, VERIFY CONDITION AND CONTENTS OF HIDDEN SPACE BEFORE STARTING FLAME-CUTTING OPERATIONS. MAINTAIN FIRE WATCH AND PORTABLE FIRE-SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS. MAINTAIN ADEQUATE VENTILATION WHEN USING CUTTING TORCHES.

GENERAL RESPONSIBILITIES FOR EXISTING CONDITIONS:

1. INFORMATION CONTAINED IN THESE DRAWINGS WITH REGARD TO EXISTING CONDITIONS IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR IN EXECUTING THE WORK. THIS INFORMATION HAS BEEN TAKEN, IN PART, FROM DRAWINGS SUPPLIED BY THE OWNER AND HAS BEEN FURTHER SUPPLEMENTED WITH FIELD MEASUREMENTS AND OBSERVATIONS.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY AND DOCUMENT ALL EXISTING CONDITIONS THAT MAY AFFECT OR BE AFFECTED BY NEW WORK AND TO COORDINATE SUCH FIELD VERIFICATION WITH THE CONTRACT DOCUMENTS AND THE EXECUTION OF THE WORK. ANY DISCREPANCIES AND/OR CONFLICTS INVOLVING EXISTING CONDITIONS OR POTENTIAL CONFLICTS WITH THE PROPOSED WORK SHALL BE BROUGHT TO THE PROJECT MANGER'S ATTENTION IN WRITING BEFORE CONSTRUCTION BEGINS.
3. FIELD VERIFICATION OF EXISTING CONDITIONS SHALL BE UNDERTAKEN BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF OTHER SCHEDULED WORK SO AS TO ALLOW FOR THE TIMELY IDENTIFICATION OF CONDITIONS MAY OTHERWISE AFFECT THE SCHEDULED INSTALLATION OF NEW WORK AS DESIGNED AND DETAILED AND TO AVOID DELAYS TO THE PROJECT SHOULD SUCH CONDITIONS BE DISCOVERED.
4. THE CONTRACTOR SHALL PROVIDE FOR A MINIMUM PERIOD OF TEN (10) CALENDAR DAYS DURING WHICH THE PROJECT MANAGER WILL EVALUATE THE CONDITIONS AND MAKE ANY REQUIRED DETERMINATIONS AND RECOMMENDATIONS FOR INSTALLING THE NEW WORK. ANY NATIONAL HOLIDAYS FALLING WITHIN THESE CALENDAR DAYS SHALL NOT BE COUNTED WITHIN THE TEN (10) DAYS.
5. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT AND WITH THE IMPACTS OF THE NEW WORK ON THE EXISTING CONDITIONS AND PREMISES.
6. ANY AREAS OF CONCERN SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER IN WRITING PRIOR TO SUBMITTING A BITTING. NO ADDITIONAL COST TO THE OWNER WILL BE APPROVED WHICH IS ATTRIBUTED TO THE CONTRACTOR'S FAILURE TO VISIT THE EXISTING SITE IN ORDER TO VERIFY ALL EXISTING PROJECT ELEMENTS AND CONDITIONS.
7. ALL WALLS, FLOORS, CEILINGS OR OTHER ELEMENTS TOUCHED OR MODIFIED BY CONSTRUCTION OR DEMOLITION SHALL BE REPAIRED OR REFINISHED TO MATCH EXISTING ADJACENT CONSTRUCTION TO A LEVEL ACCEPTED BY THE PROJECT MANAGER.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LABOR AND MATERIALS NECESSARY TO PROVIDE FIRE PROTECTION DURING ALL PHASING AND TEMPORARY CONSTRUCTION. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL PHASING AND TEMPORARY CONSTRUCTION DOCUMENTS. WHERE REQUIRED, THE BUILDING SHALL HAVE AN APPROVED FIRE WATCH FOR ALL OCCUPANTS LEFT UNPROTECTED BY THE WORK UNTIL THE FIRE ALARM SYSTEM HAS BEEN RETURNED TO NORMAL OPERATION. SEE SHEET E-022 FOR FIRE WATCH DETAILS.
9. PRIOR TO CORE DRILLING CONTRACTOR SHALL OBTAIN THE SERVICES OF A UTILITY LOCATOR FIRM WITH ABILITY TO LOCATE CONDUIT IN CONCRETE SLABS. CONTRACTOR SHALL IDENTIFY THE LOCATION OF CONDUITS IN SLAB, THEN PRESENT THE FINDINGS TO THE ENGINEER FOR REVIEW PRIOR TO CORE DRILLING ALL PENETRATIONS, BOTH NEW AND EXISTING, THROUGH DESIGNATED FIRE RATED WALLS, CEILINGS AND FLOOR SLABS (WHICH ARE 2-HOUR RATED) SHALL BE PROPERLY SEALED WITH AN APPROVED RATED FIRE STOPPING MATERIAL. ALL FIRE STOPPING MATERIAL SHALL BE SUPPLIED AND WORK PERFORMED AS PER PROJECT SPECIFICATIONS. CONTRACTOR SHALL SUBMIT NINE (9) COPIES OF MANUFACTURER'S CATALOG DATA AND INSTALLATION DETAILS FOR FIRESTOPPING TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

FIRE ALARM NOTES:

1. THE SCOPE OF WORK AS DESCRIBED WITHIN THESE CONTRACT DOCUMENTS SHALL BE CONSIDERED DELEGATED DESIGN, THE CONTRACTOR'S SCOPE OF WORK INCLUDES ALL DESIGN, ENGINEERING, LABOR, AND MATERIALS FOR A COMPLETE INSTALLATION OF THE NEW FIRE ALARM SYSTEM AND ALL DEMOLITION OF THE EXISTING FIRE ALARM SYSTEM.
2. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, PROGRAMMING, TESTING, AND DOCUMENTATION REQUIRED TO FURNISH AND INSTALL A NEW HONEYWELL SILENT KNIGHT 6820XL ADDRESSABLE FIRE ALARM SYSTEM. THE SYSTEM SHALL BE FULLY COMPLIANT WITH NFPA 72, NFPA 70 (NEC), ADA REQUIREMENTS, AND ALL LOCAL AHJ REGULATIONS. THE FIRE ALARM SCOPE INCLUDES DECOMMISSIONING THE EXISTING COMBINATION BURGLAR ALARM / FIRE ALARM SYSTEM INCLUDING ALL FIELD DEVICES, WIRING AND CONDUIT UPON COMPLETION OF THE ACCEPTANCE OF THE NEW FIRE ALARM SYSTEM UNLESS DIRECTED OTHERWISE. TRAINING OF THE LIBRARY STAFF ON THE FUNCTION AND OPERATION OF THE NEW FIRE ALARM SYSTEM SHALL BE INCLUDED.
3. THE FOLLOWING SUBMITTALS ARE REQUIRED FOR REVIEW:
   - A. FIRE ALARM SEALED SHOP DRAWINGS; INCLUDING BATTERY CALCULATIONS, AND INTERFACE CONNECTIONS WITH ASSOCIATED TRADES AND DISIPLINES.
   - B. FIRE ALARM PRODUCTS; INCLUDING DEVICES, EQUIPMENT AND SUPPORT EQUIPMENT.
   - C. FIRE ALARM FINAL ACCEPTANCE TESTING INCLUDING INTEGRATED TESTING AS ASSOCIATED WITH OTHER TRADES AND INTEGRATED WITH OTHER TRADES.
4. THE FOLLOWING SHALL BE INCLUSIVE IN THE SCOPE OF WORK: (A) FURNISHING ALL MATERIALS AND LABOR FOR DEMOLITION, INSTALLATION, PHASING, TESTING AND ACCEPTANCE OF THE FIRE ALARM SYSTEM AS SHOWN IN THE CONTRACT DOCUMENTS, (B) RECONFIGURE EXISTING FIRE ALARM SYSTEM DEVICE AND EQUIPMENT INCLUDING NEW DEVICES AND EQUIPMENT REQUIRED TO SUIT NEW LAYOUT, (C) COORDINATION OF ALL DEMOLITION AND NEW WORK WITH ALL TRADES AND DISCIPLINES INVOLVED WITH THE PROJECT, (D) PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL PERFORM AN INITIAL SYSTEM FUNCTIONALITY TEST IN THE DESIGNATED EXISTING AREA(S) LOCATED ON THE AFFECTED LEVELS. DOCUMENTED TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER FOR RECORD, (E) NEW FIRE ALARM DEVICES AND CONNECTIONS AS REQUIRED BY THE PLANS AND SPECIFICATION.
5. THE PROJECT SHALL BE BASED ON A MIXED USE, NON-SEPARTED, A-3 USE GROUP OCCUPANCY IN ACCORDANCE WITH BUT NOT LIMITED TO THE FOLLOWING CODES, STANDARDS, TESTING LABORATORIES AND UNDERWRITING AGENCY AS ADOPTED BY THE COMMONWEALTH OF PENNSYLVANIA, CITY OF PHILADELPHIA:
   - A. PHILADELPHIA UNIFORM CONSTRUCTION CODE (AMENDED INTERNATIONAL BUILDING CODE 2018 EDITION).
   - B. 2018 PHILADELPHIA BUILDING CODE ADOPTS WITH AMENDMENTS: INTERNATIONAL BUILDING CODE 2018 (IBC 2018).
   - C. 2021 PHILADELPHIA EXISTING BUILDING CODE ADOPTS WITH AMENDMENTS: INTERNATIONAL EXISTING BUILDING CODE 2018 (IEBC 2018).
   - D. 2018 PHILADELPHIA FIRE CODE ADOPTS WITH AMENDMENTS: INITRNATIONAL FIRE CODE 2018 (IFC 2018).
   - E. 2018 PHILADELPHIA MECHANICAL CODE ADOPTS WITH AMENDMENTS: INTERNATIONAL MECHANICAL CODE 2018 (IMC 2018)
   - F. 2000 ASME A17.1, SAFETY CODE FOR ELEVATORS AND ESCALATORS WITH A17.1A-2002 ADDENDA AND PENNSYLVANIA LABOR & INDUSTRY AMENDMENTS PER UCC CHAPTER 405
   - G. NFPA 70, NATIONAL ELECTRICAL CODE, 2017 EDITION.
   - H. NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, 2016 EDITION.
   - I. 2010 ADA STANDARDS.
   - J. UL LISTED PRODUCTS FOR FIRE ALARM USE CONSIDERING ENVIRONMENTAL CONDITIONS.
   - K. MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.
   - L. PROJECT SPECIFICATIONS.
   - M. PHILADELPHIA PARKS AND RECREATION REQUIREMENTS.
6. THIS DESIGN PACKAGE IS NOT MEANT TO PROVIDE FINAL QUANTITIES AS THEY ARE DIAGRAMMATICAL AND SHOW THE INTENT OF THE OWNERS REQUEST FOR A FULLY INSTALLED AND FULLY OPERATIONAL SYSTEM. ALL FINAL QUANTITIES OF ALL REQUIRED PARTS AND PIECES TO PROVIDE SAID COMPLETE SYSTEM ARE SOLELY THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR UNDER THIS CONTRACT.
   - A. FURNISH AND INSTALL ALL CONDUITS, FITTINGS, OUTLETS, JUNCTION BOXES, SUPPORTS, HANGERS, WIRE AND CABLE AND OTHER ITEMS INCIDENTAL TO AND/OR REQUIRED TO COMPLETE THE INSTALLATION, IN ACCORDANCE WITH THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. THIS SHALL INCLUDE WIRE AND CONDUIT REQUIRED TO OPERATE BOTH NEW AND EXISTING EQUIPMENT CIRCUITS DURING EACH PHASE OF THE WORK.
   - B. FINAL QUANTITIES OF CABINETS, AS REQUIRED, TO INCLUDE TRANSPONDERS, AMPLIFIER ENCLOSURES, AND BOOSTER PANELS, SHALL BE COORDINATED BETWEEN THE ELECTRICAL CONTRACTOR AND THE FIRE ALARM CONTRACTOR.
   - C. ALL 120VAC DEDICATED CIRCUITS REQUIRED TO POWER CABINETS, PANELS, AND OR ENCLOSURES AS COORDINATED ABOVE, SHALL BE INCLUDED IN THIS SCOPE OF WORK. THIS INFORMATION SHALL BE SHARED IN ITS ENTIRETY WITH THE CONSULTING ENGINEER AS WELL AS THE DOA PROJECT MANAGING STAFF.
   - D. FAILURE TO COORDINATE AND INCLUDE ANY PART OR PIECE REQUIRED TO PROVIDE AN ENTIRELY COMPLETE AND FUNCTIONING FIRE ALARM SYSTEM PRIOR TO BID SHALL NOT BE SUBJECT TO A CHANGE ORDER, AND SHALL BE BORNE SOLELY OF THIS CONTRACT.
7. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE EXISTING FIRE ALARM SERVICE PROVIDER BEFORE ADDING NEW DEVICES AND WIRING. CONTACT THE REPRESENTATIVE A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO THE START OF WORK TO SCHEDULE A SERVICE TECHNICIAN.
8. DEVICES SHALL BE NEW TO THIS PROJECT. ALL NEW DEVICES ARE TO BE ADDRESSABLE DEVICES AND SHALL BE COMPATIBLE WITH THE PANEL TYPE. THESE DEVICES SHALL BE INSTALLED ON NEW SLC AND NAC CIRCUITS IN THE PANEL(S).
9. ALL DEVICES CONNECTED TO THE BUILDING FIRE ALARM SYSTEM SHALL BE PROGRAMMED TO CONFORM TO THE APPROVED FACILITY FIRE ALARM MATRIX, UNLESS DIRECTED OTHERWISE.
10. THE FIRE ALARM MATRIX SHALL BE REVIEWED AND AUDITED BY THE FIRE ALARM SYSTEM MANUFACTURER AND / OR THE CURRENT FIRE ALARM SYSTEM SERVICING AGENCY. ANY CORRECTIONS INCLUDING CHANGES TO THE EXISTING PROGRAM INCLUDING ANY NAC PAIRINGS FOR AUDIO AND VISUAL SHALL BE MADE AND REFLECTED ON THE CONTRACTOR'S SHOP DRAWINGS. THE CONTRACTOR SHALL INCLUDE ALL NEW PROGRAMMING WITHIN THE BID.
    - A. ALL PROGRAMMING AND CIRCUIT RENOVATIONS REQUIRED TO ACCOMPLISH THE ABOVE SHALL BE BORNE OF THIS CONTRACT, AND INCLUDED AT BID TIME.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A COMPLETE PROJECT PHASING PLAN THAT SHALL BE SUBMITTED IN THE SHOP DRAWING PACKAGE FOR APPROVAL. INSTALLATION SHALL BE COORDINATED WITH ALL ACTIVE PHL PROJECTS.
12. THE CONTRACTOR SHALL VERIFY THE CONDITION OF EACH INITIATING AND NOTIFICATION DEVICE TO REMAIN. IN THE EVENT THAT ANY OF THESE DEVICES ARE WITHOUT TAGS AND/OR IMPROPERLY MOUNTED, THEN IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RE-INSTALL THE DEVICE PROPERLY AND/OR PROVIDE TAGS ON THE DEVICES.
13. ALL WIRE AND CABLE SHALL HAVE A WIRE MARKER ON EACH END, BRADY OR EQUAL. ALL MARKERS SHALL BE TYPED. SHIELDS ON ALL SHIELDED CABLE SHALL BE CONTINUOUS, GROUNDED AT THE FIRE ALARM CONTROL PANEL ONLY, AND ISOLATED FROM GROUND ELSEWHERE.
14. WIRE AND CABLE SHALL BE INSTALLED IN SEPARATE CONDUITS PER CLASS, REFER TO NEC SECTION 725 AND 760, AND BY FUNCTION IN ACCORDANCE WITH THE FOLLOWING CRITERIA, NEC REQUIREMENTS, AND MANUFACTURER'S RECOMMENDATIONS.
    - A. ALL CLASS 2 OR 3 CABLE OR POWER LIMITED CABLE (CABLE WITH INSULATION LESS THAN 600V) SHALL BE KEPT SEPARATE FROM POWER CABLE (CABLE WITH 600V INSULATION).
    - B. ALL CABLE SHALL BE UL LISTED AND MARKED PER NEC.
    - C. REFER TO CIRCUIT AND CONDUIT SCHEDULE ON DRAWING FA6.1 FOR WIRING USE SPECIFICATION.
15. THE CONTRACTOR SHALL COORDINATE THE SHOP DRAWINGS WITH THE HVAC CONTRACTOR TO DETERMINE FINAL LOCATIONS FOR AIR HANDLING (DUCT SMOKE DETECTION).
16. INSTALLATION SHALL NOT BEGIN WITHOUT THE APPROVAL OF THE FIRE ALARM SHOP DRAWINGS BY THE ENGINEER. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS.
17. WIRE AND CABLE SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT) AT ALL LOCATIONS INDOORS, AND (RGS) AT ALL LOCATIONS OUTDOORS. THE MINIMUM CONDUIT SIZE SHALL BE 3/4", ALL JUNCTION BOX COVERS SHALL BE PROPERLY IDENTIFIED IN ACCORDANCE WITH SPECIFICATIONS. ALL CONDUITS SHALL BE IDENTIFIED IN ACCORDANCE WITH SPECIFICATIONS, ALL BOXES AND CONDUITS SHALL BE APPROVED FOR FIRE ALARM USE.ALL WIRING SHALL BE UL LISTED AND MARKED PER NEC. REFER TO TABLE 1 - WIRING CHART, AS A REFERENCE. WIRING SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION OF THE FIRE ALARM SYSTEM, ALL WIRING, CABLES, CONDUITS, AND JUNCTION BOXES SHALL BE CONCEALED AS REQUIRED IN WALLS, CEILINGS, OR FLOORS UNLESS OTHERWISE SPECIFIED.
18. NPLFA CIRCUIT CONDUCTORS INSULATION SHALL BE SUITABLE FOR 600 VOLTS. MULTICONDUCTOR NPLFA CIRCUIT CABLES, TYPES NPLFP, NPLFR, AND NPLF, SHALL NOT BE INSTALLED EXPOSED IN DUCTS, PLENUMS OR HOISTWAYS (SHAFTS).
19. POWER-LIMITED FIRE ALARM CIRCUIT CABLES AND CONDUCTORS SHALL NOT BE PLACED IN ANY CABLE, CABLE TRAY, COMPARTMENT, ENCLOSURE, MANHOLE, OUTLET BOX, DEVICE BOX, RACEWAY, OR SIMILAR FITTING WITH CONDUCTORS OF ELECTRIC LIGHT, POWER, CLASS 1, NON-POWER-LIMITED FIRE ALARM CIRCUITS, AND MEDIUM-POWER NETWORK-POWERED BROADBAND COMMUNICATIONS CIRCUITS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT CIRCUIT TIE-IN LOCATIONS IN THE EVENT THAT THE CIRCUIT IS TO BE MODIFIED OR EXTENDED. THE LOCATIONS AND POINTS SHOWN ON THE PLANS ARE DIAGRAMMATICAL AND FOR REFERENCE ONLY. THE CONTRACTOR SHALL SHOW FINAL INFORMATION ON SHOP DRAWINGS. INSTALLATION SHALL NOT BEGIN UNTIL THESE PLANS ARE APPROVED.
21. REFER TO DETAIL SHEETS AND MANUFACTURER'S INSTRUCTION SHEETS FOR DEVICE MOUNTING REQUIREMENTS AND MOUNTING HEIGHTS.
22. DUCT SMOKE DETECTOR HOUSINGS AND SAMPLING TUBES SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR. ALL CONTROL WIRING SHALL BE PERFORMED BY THE MECHANICAL CONTRACTOR. DUCT SMOKE DETECTION DEVICE LOCATIONS SHALL BE PER NFPA 72 AND IBC 2018, DUCT SMOKE DETECTION DEVICES SHALL BE PROGRAMMED AS PRE-ALARM. INITIATION OF EACH DETECTOR SHALL SHUTDOWN IT'S RESPECTIVE UNIT ONLY. 24 VOLT POWER REQUIREMENTS FOR THE ASSEMBLY SHALL BE SPECIFIED BY THE SYSTEM MANUFACTURER AND REFLECTED ON THE ELECTRICAL CONTRACTOR'S SHOP DRAWINGS.
23. HARDWARE, EQUIPMENT, PANEL MODIFICATIONS AND LABOR NECESSARY TO PERFORM VISUAL APPLIANCE SYNCHRONIZATION SHALL BE PART OF THIS CONTRACT.
24. VISUAL NOTIFICATION APPLIANCES SHALL BE SET TO THE CANDELA RATING ASSIGNED ON THE DRAWINGS. AS A MINIMUM REQUIREMENT, ILLUMINATION OF 0.0375 LUMENS PER SQ FT AT THE FLOOR.
25. SPEAKER APPLIANCES SHALL BE TAPPED INITIALLY AT 1 WATT, UNLESS OTHERWISE NOTED. FINAL SETTINGS OF THE SPEAKER TAPS SHALL ENSURE A SOUND LEVEL OF 85 dB. BASED ON AN AMBIENT LEVEL OF 70 dB, OR 15dB ABOVE THE AMBIENT IS ATTAINED. INCLUDING SPEAKER INTELLIGIBILITY. CONTRACTOR SHALL FIELD VERIFY SOUND LEVELS, ADJUST SPEAKER TAPS AS NECESSARY AND MARK AS-BUILT DRAWINGS ACCORDINGLY.
26. THE FIRE ALARM SYSTEM SHALL SYNCHRONIZE THE AUDIBLE AS WELL AS THE VISUAL STROBES. THERE SHALL BE NO LAG, OR OVERLAP OF ANNUNCIATION SIGNALS CAUSING LACK OF AUDIBILITY.
27. CIRCUIT MODIFICATIONS AND SPLICES SHALL BE MADE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
28. FIRE ALARM CONDUITS SHALL BE LABELED "FIRE ALARM" AT 20' LINEAR INCREMENTS AND 5' WITHIN JUNCTION BOXES, ALL "EXPOSED" FIRE ALARM CONDUIT SHALL BE PAINTED TO MATCH EXISTING FINISHES AND LABELED "FIRE ALARM", ALL LABELS SHALL BE ON PRINTED OR TYPED MEDIA. LABELS SHALL BE 1" HIGH WITH 3/4" TEXT, MINIMALLY.
29. NEW JUNCTION BOXES AND/OR EXISTING JUNCTION BOXES AFFECTED BY THIS PROJECT SHALL BE PAINTED RED AND PROPERLY LABELED "FIRE ALARM JUNCTION BOX".
30. ALL DEVICES SHALL BE PROVIDED WITH TAGS INDICATING THE DEVICE ADDRESS. REFER TO THE SPECIFICATIONS FOR DETAILS.
31. SUBMIT ALL DEVICE ADDRESSES AND ASSOCIATED MESSAGES FOR THIS PROJECT AS A PART OF THIS CONTRACT'S SHOP DRAWING SUBMISSION.
32. IN THE EVENT THAT A DEVICE IS LOCATED ON A SURFACE THAT IS UNSUITABLE FOR PROPER MOUNTING, THE CONTRACTOR SHALL NOTIFY THE ENGINEER DURING THE SHOP DRAWINGS PHASE FOR APPROVAL. THIS NOTIFICATION SHALL OCCUR PRIOR TO CONDUIT AND JUNCTION BOX ROUGH-IN.

FIRE ALARM PHASING NOTES:

THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THEIR SCHEDULE WITH THE MASTER PROJECT AND COMMISSIONING SCHEDULE. THE SCHEDULE SHALL BE COORDINATED WITH ALL OTHER TRADES AND SUBMITTED TO THE PROJECT MANAGER EVERY TWO WEEKS. ALL CONTRACTORS SHALL BEAR THE COST OF ANY SCOPE IMPACTS CAUSED BY CHANGES TO THE MASTER PROJECT SCHEDULE. PRIOR TO THE START OF INSTALLATION, A MASTER SCHEDULE AND COMMISSIONING SCHEDULE SHALL BE SUBMITTED FOR PROJECT MANAGER APPROVAL. ALL WORK SHALL BE COMPLETE (INCLUDING TESTING AND FINAL APPROVAL BY AHJ) IN ACCORDANCE WITH MASTER SCHEDULE.

THE EXISTING BUILDING WILL CONTINUE OPERATION DURING ONGOING CONSTRUCTION. ALL OCCUPIED AREAS OR ALL PHASES SHALL BE ACTIVELY PROTECTED BY THE FIRE ALARM SYSTEM AT ALL TIMES. ANY AND ALL OUTAGES OF THE FIRE ALARM AT ANY TIME SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

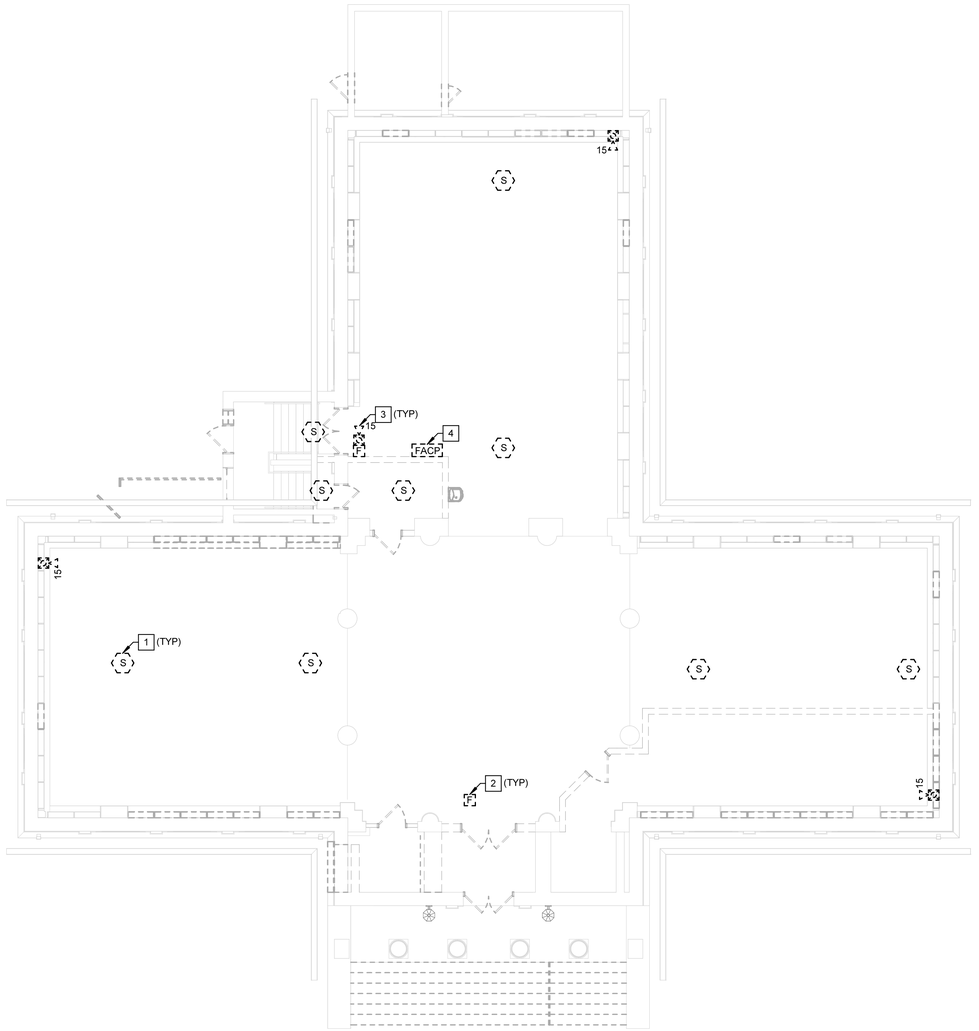
COORDINATE FIRE ALARM PHASING WORK WITH ALL OTHER DISCIPLINES. FIRE ALARM WORK SHALL COMMENCE IN THE FOLLOWING PHASES:

1. FIELD SURVEY: THE EXISTING FIRE ALARM PANELS ASSOCIATED WITH THE RESTROOMS SHALL BE SURVEYED AND VERIFIED FOR AVAILABILITY AND CONFIRMATION OF THE NEW CIRCUIT REQUIREMENTS THROUGHOUT THE BUILDING.
2. SHOP DRAWING SUBMITTAL:
   DEVELOP AND COORDINATE SHOP DRAWINGS FOR APPROVAL BY THE ENGINEER. SUBMIT SHOP DRAWING IN ACCORDANCE WITH THE PROJECT MANUAL AND/OR SPECIFICATIONS. IDENTIFY SPECIFIC TIE-IN LOCATIONS FOR IDnet AND NAC CIRCUITS. IDENTIFY AND COORDINATE MEANS AND METHODS FOR MAINTAINING EXISTING CIRCUIT AND SYSTEM CONTINUITY.
3. SYSTEM DEMOLITION: COORDINATE WITH CURRENT FIRE ALARM SYSTEM SERVICING COMPANY PERSONNEL FOR REQUIRED POINTS FOR REMOVAL AND/OR DEVICES WHICH WILL REQUIRE TEMPORARY REMOVAL AND RELOCATION. DEMO DEVICES PREVIOUSLY IDENTIFIED FOR REMOVAL AND RELOCATION. MAINTAIN THE FIRE ALARM DETECTION AND NOTIFICATION OPERATIONS AS REQUIRED IN THE BUILDING.
4. SYSTEM INSTALLATION:
   UPON APPROVAL OF SHOP DRAWINGS PERFORM INSTALLATION IN ACCORDANCE WITH MASTER SCHEDULE AND COORDINATE INSTALLATION WITH ALL OTHER TRADES. INSTALLATION SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
   - A. COORDINATE TO HAVE ALL NECESSARY PROGRAMMING FOR THE FIRE ALARM SYSTEM WITH JCI PERSONNEL.
   - B. EXTEND NEW CIRCUITS REQUIRED FROM THE EXISTING FIRE ALARM CONTROL PANEL TO THE NEW LOCATION(S) IDENTIFIED ON THE SHOP DRAWINGS.
   - C. CONNECT MODIFIED AREA(S) OF WORK TO THE EXISTING AND NEW FIRE ALARM CIRCUITS AS REQUIRED, AS SHOWN ON THE PLANS.
   - D. REPLACE ANY NON-RESTROOM SUITE FIRE ALARM DEVICES ON THE INSIDE OF THE CONSTRUCTION BARRIER, INSTALLED DUE TO CONSTRUCTION BARRIER INSTALLATION.
   - E. COORDINATE TO HAVE ALL NECESSARY PROGRAMMING FOR THE FIRE ALARM SYSTEM PROGRAMMED TO THE EXISTING FIRE ALARM SYSTEM AND TEST EACH CIRCUIT AND DEVICE. ALL TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
5. ACCEPTANCE TESTING/OPERATIONAL DEMONSTRATION TO OWNER:
   PRIOR TO SUBMITTING A REQUEST FOR FINAL INSPECTION, THE CONTRACTOR SHALL TEST AND OPERATE ALL EQUIPMENT AND DEVICES TO VERIFY THE PROPER OPERATION AND INSTALLATION OF THE SYSTEM. ANY AND ALL DEFICIENT ISSUES SHALL BE CORRECTED AT NO ADDITIONAL COST TO THE OWNER. SATISFACTORILY DEMONSTRATE TO THE OWNER OR OWNER'S REPRESENTATIVE THE PROPER OPERATION AND FUNCTION OF THE SYSTEM.
6. FINAL INSPECTION:
   UPON COMPLETION OF ACCEPTANCE TESTING CONTRACTOR SHALL REQUEST, COORDINATE AND PERFORM ALL NECESSARY INSPECTIONS WITH THE OWNER OR OWNER'S REPRESENTATIVE AND ALL OTHER AFFECTED TRADES NECESSARY FOR A SUCCESSFUL INSPECTION. ADDITIONAL INSPECTIONS DUE TO CONTRACTOR ERROR SHALL BE PERFORMED AT NO ADDIT

2 FAD2.1 FIRE ALARM DEMOLITION PLAN - LOWER LEVEL
1/8" = 1'-0"

PROJECT NORTH

0' 4' 8' 16'



1 FAD2.1 FIRE ALARM DEMOLITION PLAN - ENTRY LEVEL
1/8" = 1'-0"

PROJECT NORTH

0' 4' 8' 16'

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. REFER TO DRAWING FA0.0 FOR FIRE ALARM GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. REFER TO DRAWING FA4.1 FOR FIRE ALARM DIAGRAMS.
3. REFER TO DRAWING FA5.1 THROUGH FA5.4 FOR FIRE ALARM DETAILS.
4. REFER TO DRAWING FA6.1 FOR FIRE ALARM SCHEDULES.

LOWER LEVEL KEY NOTES: #

1. EXISTING FIRE ALARM SMOKE DETECTOR TO BE REMOVED. (TYPICAL)
2. EXISTING FIRE ALARM MANUAL PULL STATION TO BE REMOVED. (TYPICAL)
3. EXISTING NOTIFICATION APPLIANCE TO BE REMOVED. (TYPICAL)
4. REFER TO ED2.1 FOR REMOVAL OF EXISTING 30A/1P DISCONNECT SWITCH FOR FIRE ALARM SYSTEM.

ENTRY LEVEL KEY NOTES: #

1. EXISTING FIRE ALARM SMOKE DETECTOR TO BE REMOVED. (TYPICAL)
2. EXISTING FIRE ALARM MANUAL PULL STATION TO BE REMOVED. (TYPICAL)
3. EXISTING NOTIFICATION APPLIANCE TO BE REMOVED. (TYPICAL)
4. EXISTING COMBINATION FIRE ALARM / BURGLARY PANEL TO BE REMOVED.

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SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL
CHASE MILLER
ENGINEER
PE096224
Date: 2026.04.09 14:04:00

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

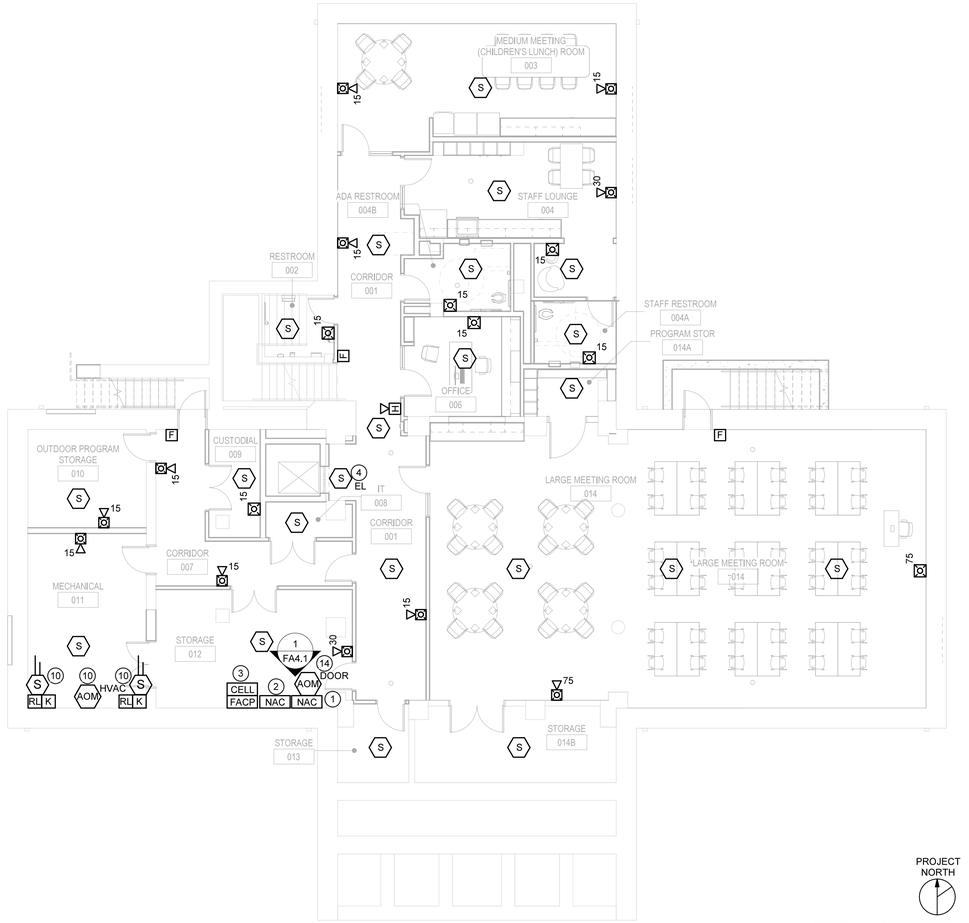
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

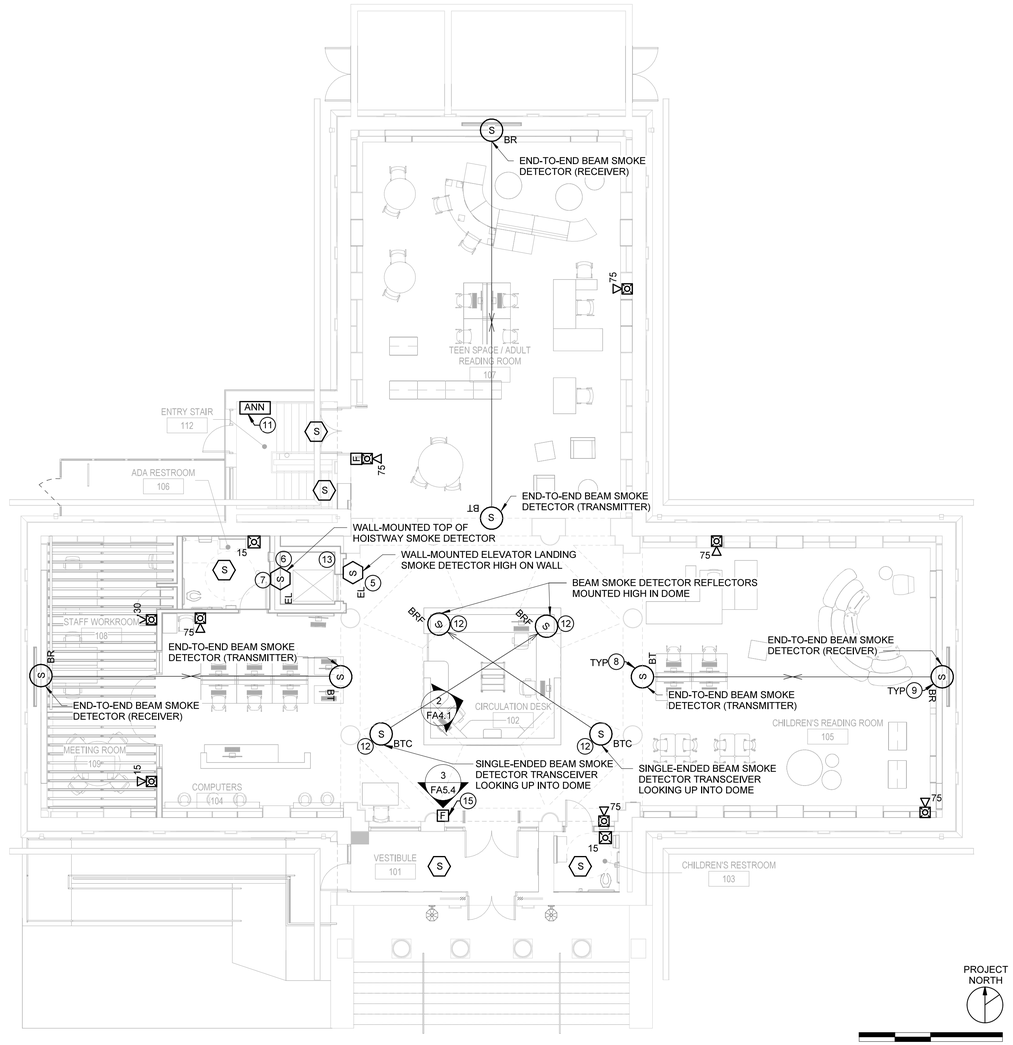
FIRE ALARM DEMOLITION PLANS - LOWER & ENTRY LEVEL

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10
DRAWING NO.: FAD2.1
DATE: 04/09/2026
SCALE: AS NOTED
DRAWN BY: AAS
CHECKED BY: JK
REV.:

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



2 FA2.1 FIRE ALARM PLAN - LOWER LEVEL
1/8" = 1'-0"



1 FA2.1 FIRE ALARM PLAN - ENTRY LEVEL
1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. REFER TO DRAWING FA0.0 FOR FIRE ALARM GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. REFER TO DRAWING FA4.1 FOR FIRE ALARM DIAGRAMS.
3. REFER TO DRAWING FA5.1 THROUGH FA5.4 FOR FIRE ALARM DETAILS.
4. REFER TO DRAWING FA6.1 FOR FIRE ALARM SCHEDULES.

FIRE ALARM KEY NOTES: (#)

1. FURNISH AND INSTALL INTELLIGENT POWER MODULE FOR LOWER LEVEL NOTIFICATION APPLIANCES WITH REMOTE BATTERY BOX BELOW.
2. FURNISH AND INSTALL INTELLIGENT POWER MODULE FOR ENTRY LEVEL NOTIFICATION APPLIANCES AND BEAM SMOKE DETECTOR 24VDC POWER WITH REMOTE BATTERY BOX BELOW.
3. FACP WITH CELLULAR DACT MUST BE ACCESSIBLE TO FIRST RESPONDERS FOR COMMAND AND CONTROL OPERATIONS. COORDINATION IS REQUIRED WITH THE FIRE DEPARTMENT / FIRE MARSHAL WITH REMOTE BATTERY BOX BELOW.
4. FURNISH AND INSTALL LOWER LEVEL ELEVATOR LANDING SMOKE DETECTOR TO INITIATE ELEVATOR CAPTURE AND CONTROL OPERATIONS.
5. FURNISH AND INSTALL ENTRY LEVEL ELEVATOR LANDING SMOKE DETECTOR TO INITIATE ELEVATOR CAPTURE AND CONTROL OPERATIONS.
6. FURNISH AND INSTALL TOP OF HOISTWAY SMOKE DETECTOR TO INITIATE ELEVATOR CAPTURE AND CONTROL OPERATIONS.
7. COORDINATE WITH ARCHITECT TO FURNISH AND INSTALL RATED ACCESS PANEL WITH CAGE FOR TOP OF HOISTWAY SMOKE DETECTOR SERVICING ACCESS. REFER TO 2/FA5.1 FOR ADDITIONAL INFORMATION.
8. FURNISH AND INSTALL END-TO-END BEAM SMOKE DETECTOR (TRANSMITTER) WITH REQUIRED DEVICES TO BE MONITORED AND CONTROLLED BY THE FIRE ALARM SYSTEM. DEVICES SHALL BE WALL-MOUNTED. REFER TO ARCHITECTURAL DRAWINGS FOR PLACEMENT.

FIRE ALARM KEY NOTES (CONTINUED): (#)

9. FURNISH AND INSTALL END-TO-END BEAM SMOKE DETECTOR (RECEIVER) WITH REQUIRED DEVICES TO BE MONITORED AND CONTROLLED BY THE FIRE ALARM SYSTEM, DEVICES SHALL BE WALL-MOUNTED. REFER TO ARCHITECTURAL DRAWINGS FOR PLACEMENT.
10. PROVIDE DUCT SMOKE DETECTOR WITH ASSOCIATED REMOTE ALARM/RESET SWITCH AND PROPER LENGTH SAMPLING TUBES AND ADDRESSABLE RELAY FOR UNIT SHUTDOWN. COORDINATE WITH MECHANICAL HVAC CONTRACTOR FOR INSTALLATION.
11. FIRE ALARM ANNUNCIATOR PANEL MUST BE ACCESSIBLE TO FIRST RESPONDERS FOR COMMAND AND CONTROL OPERATIONS. COORDINATION / APPROVAL IS REQUIRED WITH THE FIRE DEPARTMENT / FIRE MARSHAL.
12. FURNISH AND INSTALL SINGLE-ENDED BEAM SMOKE DETECTION WITHIN THE DOME. TRANSCEIVER SHALL BE LEDGE-MOUNTED AND REFLECTOR SHALL BE LOCATED AT THE TOP OF THE DOME. REFER TO ARCHITECTURAL DRAWINGS FOR PLACEMENT.
13. COORDINATE WITH THE ELEVATOR CONTRACTOR FOR FINAL LOCATION OF ELEVATOR CAPTURE AND CONTROL INTERFACE PANEL INDICATED ON DRAWING FA5.2. PROVIDE ALL ASSOCIATED ADDRESSABLE OUTPUT MODULES REQUIRED FOR ELEVATOR RECALL OPERATIONS.
14. PROVIDE AN ADDRESSABLE OUTPUT MODULE TO INTERACT WITH ANY SECURE DOOR / LOCK TO BE RELEASED UPON FIRE ALARM ACTIVATION. COORDINATE FINAL LOCATION AND WIRING INTERCONNECTIONS WITH THE SPECIAL SYSTEMS CONTRACTOR.
15. MANUAL PULL STATION MOUNTED TO THE FLAT PORTION OF THE WALL ADJACENT TO THE COLUMN. REFER TO FA5.4 DETAIL #3 FOR ADDITIONAL INFORMATION.

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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — CHASE MILLER — ENGINEER — PE096224 — Date: 04/09/26

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
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PROJECT TITLE

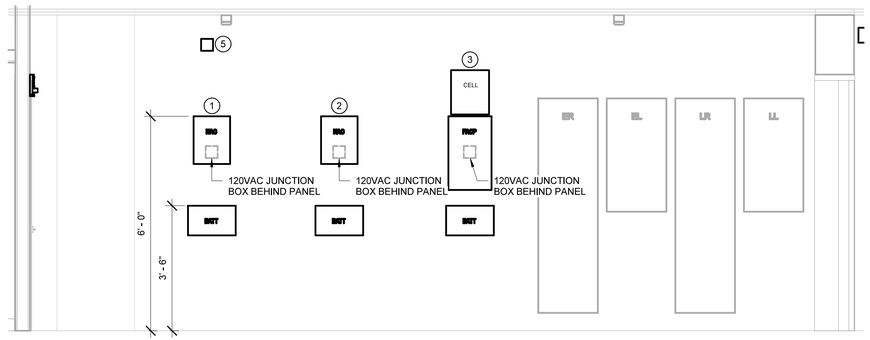
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

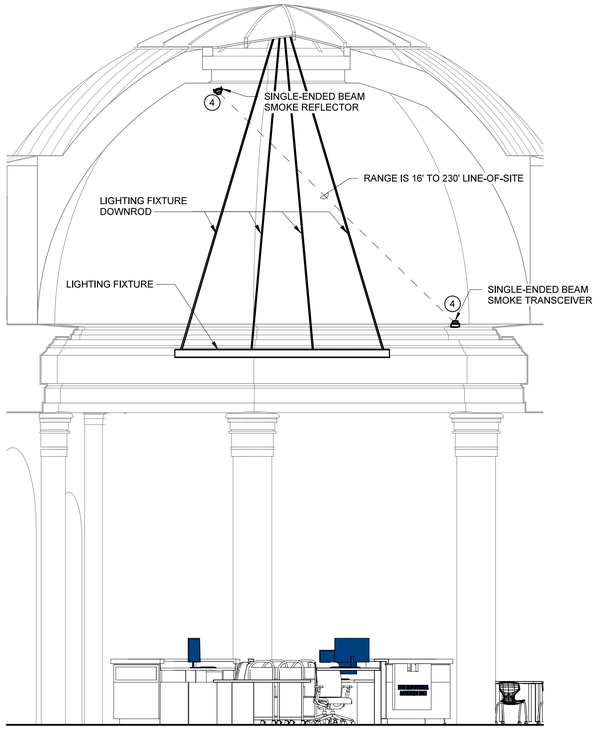
FIRE ALARM PLANS - LOWER & ENTRY LEVEL

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO.: FA2.1
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: AAS	
CHECKED BY: JK	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK



1 FA4.1 FIRE ALARM PANEL AND SUPPORT PANELS ELEVATION VIEW
1/2" = 1'-0"



2 FA4.1 SINGLE-ENDED BEAM SMOKE DETECTOR FOR DOME
1/4" = 1'-0"

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

1. REFER TO DRAWING FA0.0 FOR FIRE ALARM GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. REFER TO DRAWING FA4.1 FOR FIRE ALARM DIAGRAMS.
3. REFER TO DRAWING FA5.1 THROUGH FA5.4 FOR FIRE ALARM DETAILS.
4. REFER TO DRAWING FA6.1 FOR FIRE ALARM SCHEDULES.

FIRE ALARM KEY NOTES: (#)

1. FURNISH AND INSTALL INTELLIGENT POWER MODULE FOR LOWER LEVEL NOTIFICATION APPLIANCES WITH REMOTE BATTERY BOX BELOW.
2. FURNISH AND INSTALL INTELLIGENT POWER MODULE FOR ENTRY LEVEL NOTIFICATION APPLIANCES AND BEAM SMOKE DETECTOR 24VDC POWER WITH REMOTE BATTERY BOX BELOW.
3. FACP WITH CELLULAR DACT MUST BE ACCESSIBLE TO FIRST RESPONDERS FOR COMMAND AND CONTROL OPERATIONS. COORDINATION IS REQUIRED WITH THE FIRE DEPARTMENT / FIRE MARSHAL WITH REMOTE BATTERY BOX BELOW.
4. PROVIDE SINGLE-ENDED BEAM SMOKE DETECTION WITHIN THE DOME. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION AND PLACEMENT OF DEVICES AND EQUIPMENT.
5. PROVIDE AN ADDRESSABLE OUTPUT MODULE TO INTERACT WITH ANY SECURE DOOR / LOCK TO BE RELEASED UPON FIRE ALARM ACTIVATION. COORDINATE FINAL LOCATION AND WIRING INTERCONNECTIONS WITH THE SPECIAL SYSTEMS CONTRACTOR.

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SEALS

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CHASE MILLER
ENGINEER
PE096224
Date: 2026.04.09 14:04:00

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
FIRE ALARM DIAGRAMS

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10
DATE: 04/09/2026
SCALE: AS NOTED
DRAWN BY: AAS
CHECKED BY: JK
DRAWING NO.: FA4.1
REV.:

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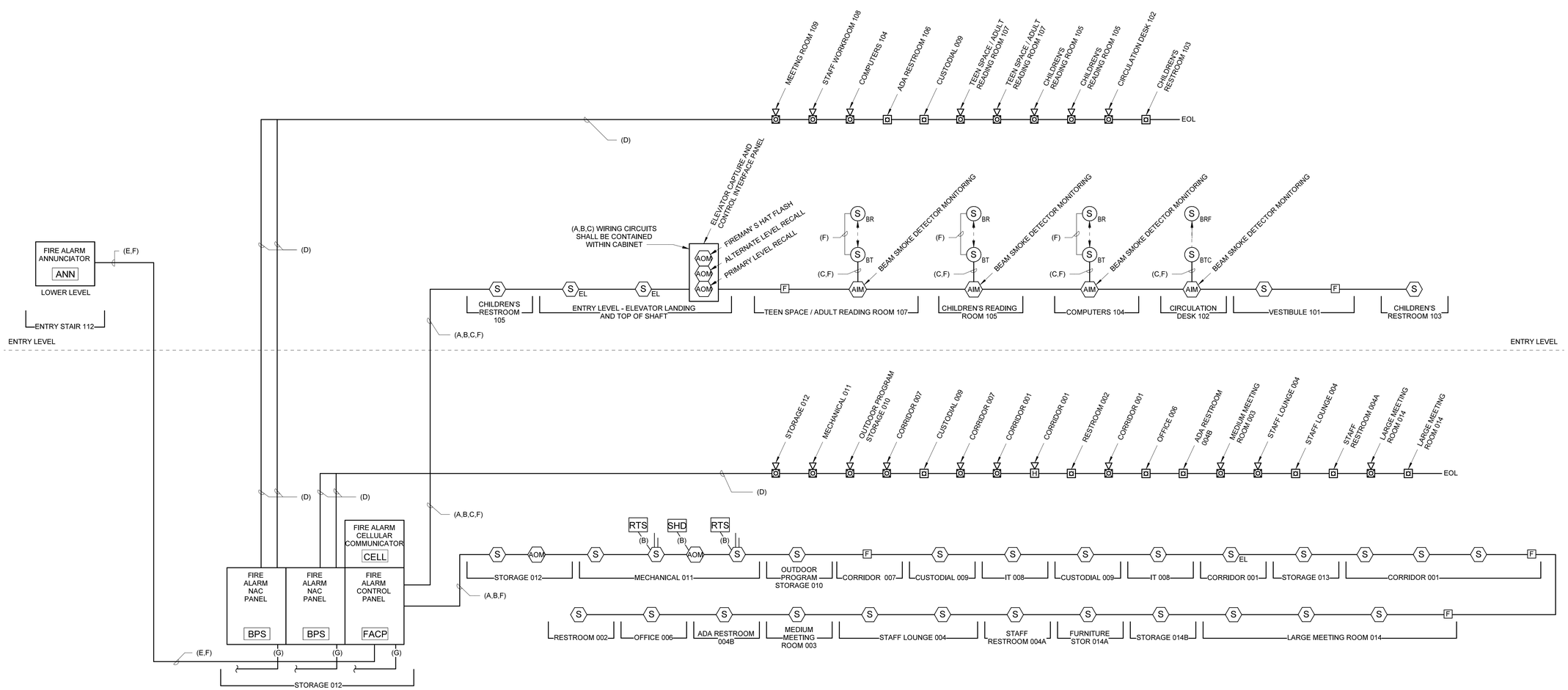

1 / FA4.2 FIRE ALARM - DIAGRAMIC RISER DIAGRAM

NOT TO SCALE

PLAN EXAMINER STAMP AREA:

GENERAL RISER DIAGRAM NOTES:

1. REFER TO FA0.0 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFER TO DRAWING SHEETS FA5.1 THROUGH FA5.4 FOR TYPICAL DETAILS.
3. REFER TO DRAWING FA6.1 FOR FIRE ALARM SCHEDULES.
4. THE RISER DIAGRAM SHOWN IS DIAGRAMMICAL ONLY FOR REFERENCE ONLY AND INTENDED TO SHOW CONNECTIVITY BETWEEN FIRE ALARM DEVICES AND ASSOCIATED EQUIPMENT. THIS RISER DIAGRAM IS NOT INTENDED TO BE DEVICE-BY-DEVICE ACCURATE. THE CONTRACTOR SHALL PROVIDE THE ACTUAL RISER DIAGRAM AS PART OF THE SHOP DRAWINGS AND CLOSEOUT DOCUMENTATION.

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CHASE MILLER
ENGINEER
PE096224
Date: 2026.04.09 15:04:00 -04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

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CHECKED BY: JK
DRAWING NO.: FA4.2

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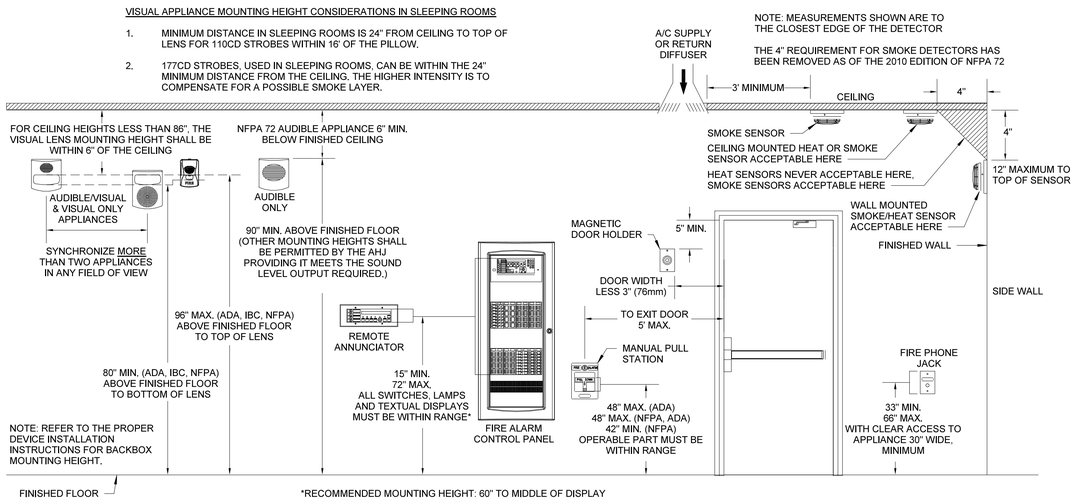
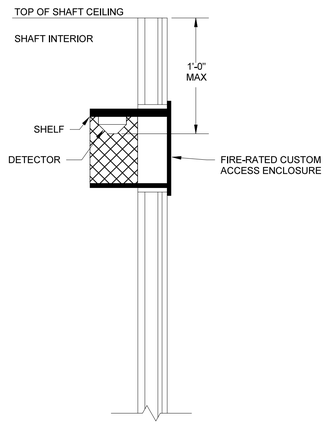
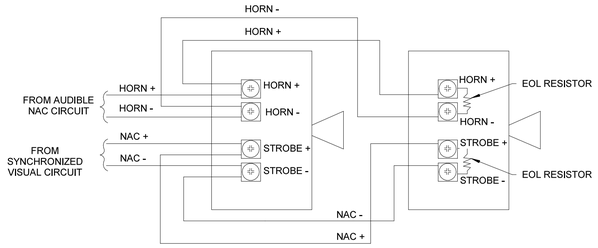


1 FA5.1 DEVICE MOUNTING HEIGHT REFERENCE (PER NFPA 72)1
1 1/2" = 1'-0"



2 FA5.1 ELEVATOR HOISTWAY DETECTOR ACCESS CAGE
NOT TO SCALE



WIRING NOTES:
1. NOTIFICATION APPLIANCES ARE RATED PER INDIVIDUAL NAMEPLATE LABEL.
2. MAINTAIN CORRECT POLARITY ON TERMINAL CONNECTIONS.
3. DO NOT LOOP WIRES UNDER TERMINALS. ALL NAC WIRING CONNECTIONS ARE SUPERVISED AND POWER-LIMITED.
4. SEE INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.

STROBE:
1. RATED VOLTAGE RANGE: UL LISTED: 16VDC TO 33 VDC PER UL 1971.
2. FLASH RATE: 1Hz.
3. SYNCHRONIZED MODE NAC LOADING: REFER TO MANUFACTURERS INSTRUCTIONS FOR MAXIMUM SYNCHRONIZED STROBES PER NAC CIRCUIT.

3 FA5.1 HORN/STROBE CIRCUIT WIRING - TYPICAL
NOT TO SCALE

TYPICAL APPLICATION:
THE DUCT SMOKE DETECTOR HOUSING MUST BE INSTALLED ON A FLAT, ACCESSIBLE DUCT AREA. TO AVOID STRATIFICATION EFFECTS, INSTALL THE DETECTOR HOUSING A MINIMUM OF SIX DUCT WIDTHS BEYOND ANY BENDS IN THE DUCT. BEFORE INSTALLING THE DUCT DETECTOR HOUSING, VERIFY THAT DUCT AIR VELOCITY IS WITHIN THE LIMITS OF THE SMOKE DETECTOR. ALSO VERIFY THAT DUCT RELATIVE HUMIDITY IS WITHIN 0-93%, NONCONDENSING. MOUNT ONLY ON THE TOP OR SIDES OF THE DUCT TO AVOID CONDENSATION ISSUES. A PAPER MOUNTING TEMPLATE IS PROVIDED WITH EACH DUCT DETECTOR.

INLET SAMPLE TUBE SELECTION TABLE	
HVAC DUCT WIDTH	SAMPLE TUBE MODEL
6" TO 12"	ST-10
1' TO 3'	ST-25
3' TO 5'	ST-50
5' TO 10'	ST-100

THE SAMPLING TUBE IS SHIPPED IN TWO FIVE FOOT PIECES WITH A COUPLING FOR FIELD ASSEMBLY.

IMPORTANT: THIS DEVICE DRAWS AIR FROM THE DUCT THRU THE INLET SAMPLE TUBE AND EXHAUSTS IT BACK INTO THE DUCT THROUGH THE OUTLET TUBE. EACH INLET SAMPLE TUBE IS MANUFACTURED WITH A DIFFERENT NUMBER AND SIZE OF SAMPLING HOLES. THE SPECIFIC MODEL TUBE MUST BE USED FOR THE DUCT WIDTH. THESE TUBES CAN BE CUT TO LENGTH AND MUST SPAN AT LEAST 80% THE WIDTH OF THE DUCT. ALWAYS USE THE NEXT LONGEST STANDARD SIZE AND CUT DOWN TO THE EXACT REQUIREMENT. SAMPLING TUBES OVER 3.0' MUST BE SUPPORTED ON THE OPPOSITE SIDE OF THE DUCT. TO ENSURE THE CORRECT OPERATION, THE RED STOPPER (SUPPLIED) MUST BE INSERTED IN THE END OF THE AIR INPUT SAMPLING TUBE.

4 FA5.1 DSD MOUNTING
NOT TO SCALE

WIRING NOTES:
1. DUCT SENSOR WIRING IS 12 TO 18 AWG.
2. THE TEST KEY MODULE IS POLARIZED, OBSERVE COLOR-CODED WIRING.
3. MAXIMUM WIRE LENGTH TO TEST TERMINALS AND REMOTE LED IS 250 FEET.

5 FA5.1 DUCT SMOKE DETECTOR
NOT TO SCALE

PLAN EXAMINER STAMP AREA:

NOTE:
- LABELS SHALL BE HIGH QUALITY WITH ADHESIVE BACKING (PEEL-OFF TYPE)
- LABELS SHALL BE WATERPROOF
- LABELS SHALL HAVE RED PRINTING ON A WHITE BACKGROUND

6 FA5.1 FIRE ALARM JUNCTION BOX AND CONDUIT LABELS
NOT TO SCALE

GENERAL DETAIL NOTES:

1. REFER TO FA0.0 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFER TO DRAWING SHEET FA6.1 FOR FIRE ALARM SCHEDULES.
3. DETAILS SHOWN ARE TYPICAL IN NATURE AND NOT INTENDED TO BE THE ACTUAL DEVICE OR EQUIPMENT. DETAILS ARE INCLUDED TO PROVIDE INTENT FOR INSTALLATION AND OPERATION. FIRE ALARM VENDOR SHALL SUPPLY REQUIRED DETAILS WITH INSTALLATION INSTRUCTIONS.

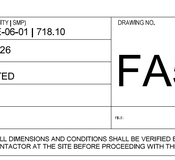
REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS



PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
FIRE ALARM DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. FA5.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AAS	
CHECKED BY JK	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

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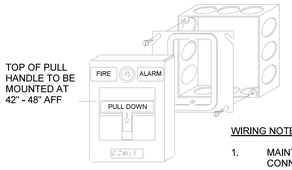
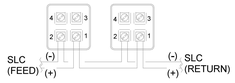


TOP OF PULL HANDLE TO BE MOUNTED AT 42" - 48" AFF

MOUNTING OPTION "B"

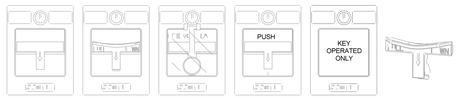


TERMINATION VIEW: DEVICE REAR

CLASS A WIRING

WIRING NOTES:

1. MAINTAIN CORRECT POLARITY ON TERMINAL CONNECTIONS.
2. ALWAYS CUT CONDUCTORS AND SECURE UNDER TERMINALS. NEVER LOOP WIRES UNDER TERMINALS.
3. ANY WIRE SPLICES TO BE MADE BY LISTED AND AHJ APPROVED METHODS.



SINGLE ACTION | NO GRIP SINGLE ACTION | BREAKGLASS | PUSH | WITH INSTITUTIONAL COVER KIT | NO GRIP RETROFIT KIT

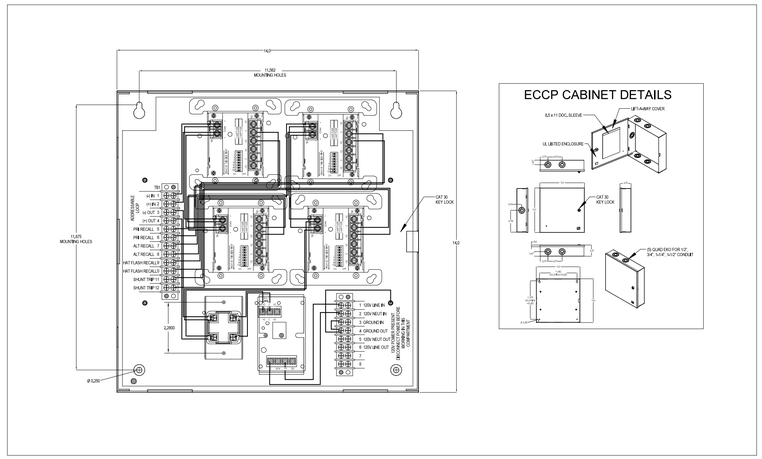
MOUNTING OPTIONS

OPTION	OPTION DESCRIPTION	NOTE
A	SINGLE GANG BOX, 2-1/2" DEEP	BY OTHERS
B	4" SQUARE BOX, 2-1/8" DEEP (MIN) W/ SINGLE GANG COVER PLATE 3/4" EXTENSION	BY OTHERS
C	SIMPLEX 2975-9022 - 5H x 3-7/8"W x 2-3/16"D	ORDERED SEPARATELY
D	SIMPLEX 2975-9178 - 5-3/4"H x 3-7/8"W x 2-3/16"D	ORDERED SEPARATELY

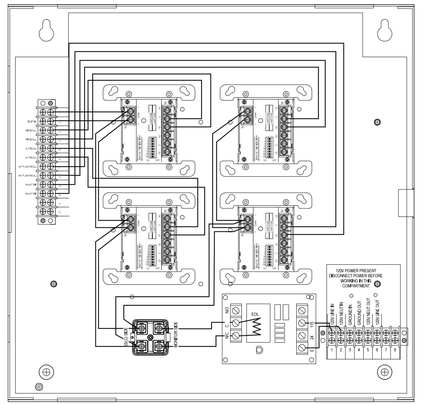
1 FA5.2 ADDRESSABLE PULL STATIONS AND CONFIGURATIONS

NOT TO SCALE

ELEVATOR CAPTURE AND CONTROL PANEL (ECCP)



ELEVATOR CAPTURE AND CONTROL PANEL (ECCP)



2 FA5.2 ELEVATOR CAPTURE AND CONTROL INTERFACE PANEL

NOT TO SCALE

3 FA5.2 TYPICAL FIRE ALARM PANEL / BACK BOARD MOUNTING

NOT TO SCALE

PRODUCT INFORMATION

FEATURES:

COMPACT AIR DUCT SENSOR HOUSING WITH CLEAR COVER TO MONITOR FOR THE PRESENCE OF SMOKE INCLUDES FACTORY INSTALLED PHOTOELECTRIC SMOKE DETECTOR AND FEATURES:

- INDIVIDUAL SENSOR INFORMATION PROCESSED BY THE HOST CONTROL PANEL TO DETERMINE SENSOR STATUS
- DIGITAL TRANSMISSION OF ANALOG SENSOR VALUES VIA SLC 2-WIRE COMMUNICATIONS
- PROGRAMMABLE SENSITIVITY, CONSISTENT ACCURACY, ENVIRONMENTAL COMPENSATION, STATUS TESTING, AND MONITORING OF SENSOR DIRT ACCUMULATION

MODEL:

- DUCT SENSOR HOUSING WITH SUPERVISED OUTPUT FOR MULTIPLE REMOTE RELAYS, REQUIRES SEPARATE 24 VDC (RELAYS ARE UNDER PANEL CONTROL AND CAN BE ACTIVATED MANUALLY OR BY A SEPARATE ALARM/INPUT)

GENERAL FEATURES:

- UL LISTED TO STANDARD 268A
- CLEAR COVER ALLOWS VISUAL INSPECTION
- TEST PORTS PROVIDE FUNCTIONAL SMOKE TESTING ACCESS WITH COVER IN PLACE
- MOUNTS TO RECTANGULAR DUCTS OR ROUND DUCTS (MINIMUM SIZE 8" SQUARE OR 18" DIAMETER)
- MAGNETIC TEST FEATURE FOR ALARM INITIATION AT HOUSING
- OPTIONAL WEATHERPROOF ENCLOSURE IS AVAILABLE SEPARATELY (REFER TO DATA SHEET)

DIAGNOSTIC LEDS (ON INTERFACE BOARD):

- RED ALARM/TROUBLE LED FOR SENSOR STATUS AND COMMUNICATIONS POLLING DISPLAY
- YELLOW LED FOR OPEN OR SHORTED TROUBLE INDICATION OF SUPERVISED RELAY CONTROL

SAMPLING TUBES (ORDERED SEPARATELY):

- AVAILABLE IN MULTIPLE LENGTHS TO MATCH DUCT SIZE
- INSTALLED AND SERVICED WITH HOUSING IN PLACE REMOTE

MODULE OPTIONS (ORDERED SEPARATELY):

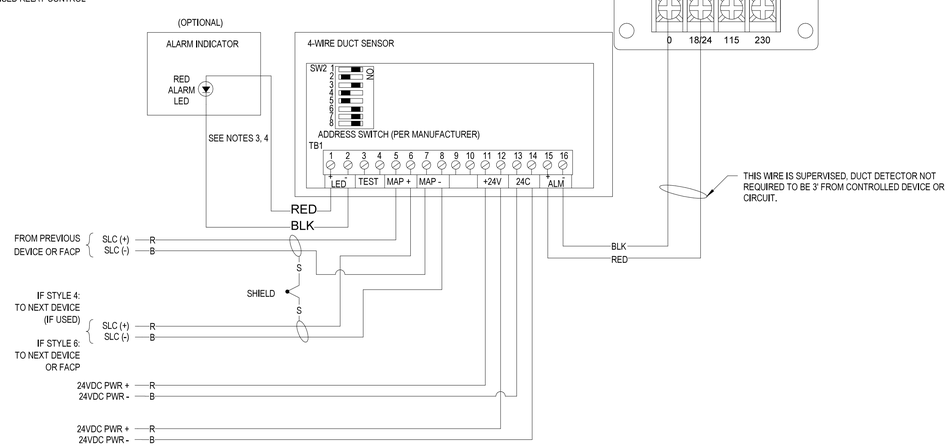
- RED STATUS/ALARM LED
- TEST STATION WITH LED
- RELAYS USED

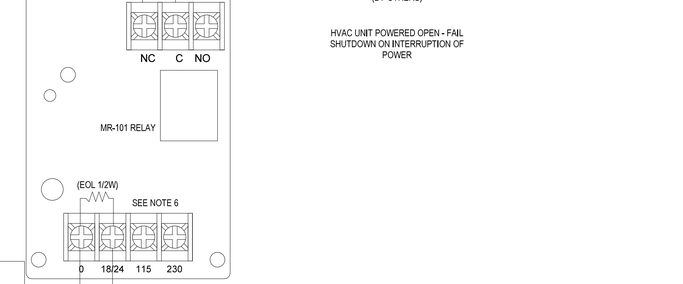
WIRING NOTES:

1. DUCT SENSOR WIRING IS 12 TO 18 AWG.
2. MAXIMUM QUANTITY OF DEVICES PER CIRCUIT IS DETERMINED PER PANEL MANUFACTURER
3. THE REMOTE ALARM LED INDICATOR IS POLARIZED, OBSERVE COLOR-CODED WIRING.
4. MAXIMUM WIRE LENGTH TO TEST TERMINALS AND REMOTE LED IS 250 FEET.
5. MR-101 RELAY (AIR PRODUCTS & CONTROL LIMITED) ARE RATED AT 7 AMPS 28 VDC/10 AMPS @ 115 VAC. MAXIMUM WIRE LENGTH TO MR-101 RELAYS IS 500 FT. WIRING FROM THE RELAY TO THE DEVICE IT IS CONTROLLING SHOULD BE NO MORE THAN 3 FT. (PER NFPA 72).
6. THE RELAY IS POLARIZED, OBSERVE COLOR-CODED WIRING.

GENERAL NOTES:

1. MEANS AND METHODS BY CONTRACTOR SHOWN TO AID IN BIDDING.
2. ALL WIRING PER MANUFACTURERS RECOMMENDATIONS.





4 FA5.2 HVAC UNIT HARD SHUTDOWN - WIRING CONTROLLED FROM DUCT SMOKE DETECTOR

NOT TO SCALE

PLAN EXAMINER STAMP AREA:

REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR

REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL CHASE MILLER ENGINEER PE096224 Date: 2026.04.09 14:04:00 -04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
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PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

FIRE ALARM DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. FA5.2
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AAS	
CHECKED BY JK	

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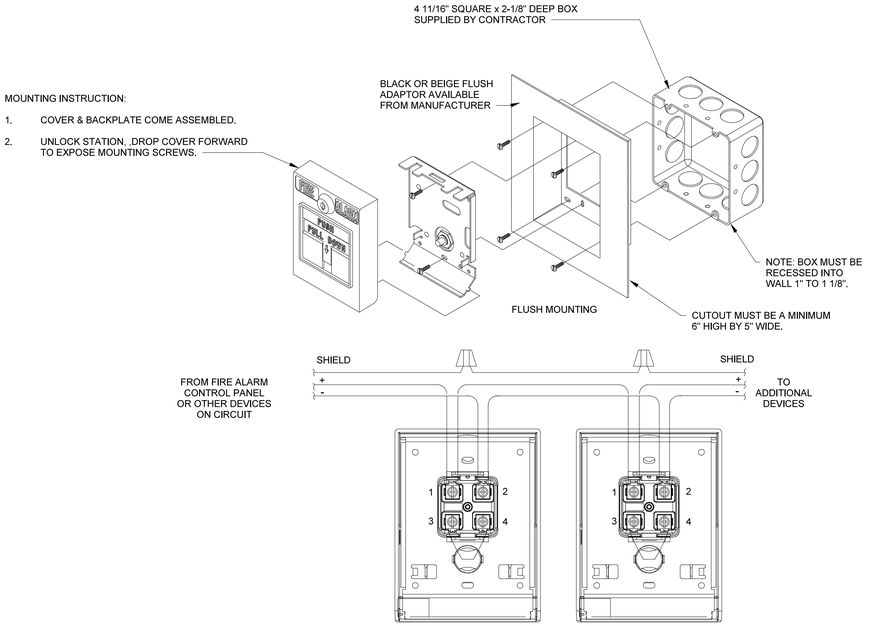

1 FA5.3 PULL STATION MOUNTING
NTS

GENERAL DETAIL NOTES:

1. REFER TO FA0.0 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFER TO DRAWING SHEET FA6.1 FOR FIRE ALARM SCHEDULES.
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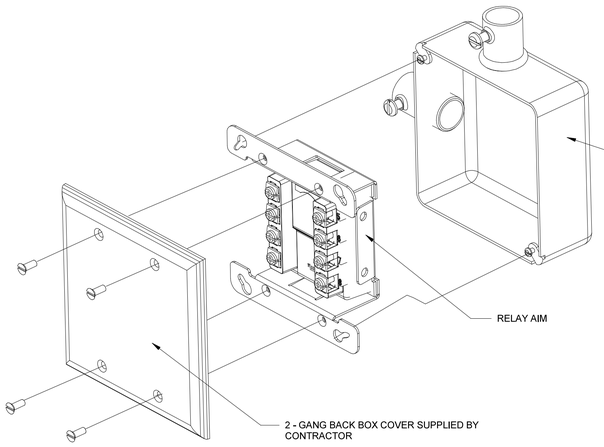
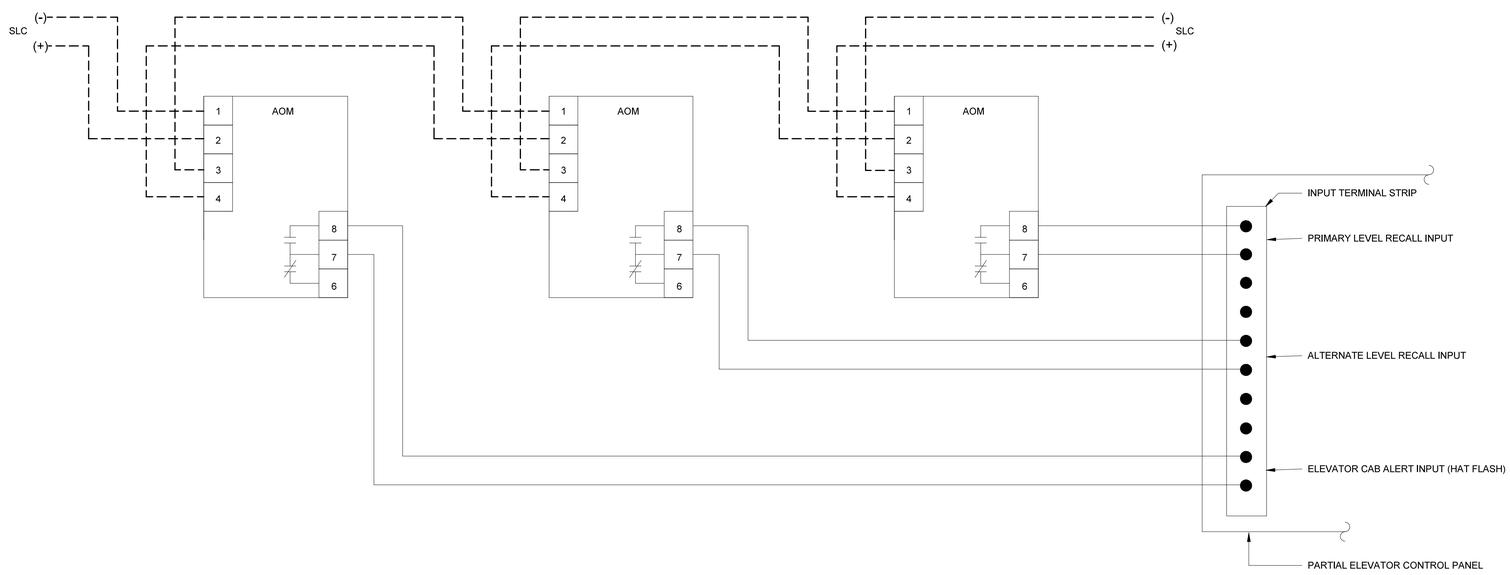


2 FA5.3 TYPICAL CONTROL RELAY INTERFACE
NO SCALE



3 FA5.3 DIAGRAMMATIC ELEVATOR CONTROLLER INTERFACE WIRING
NOT TO SCALE

PLAN EXAMINER STAMP AREA:

REVISIONS		
ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS
COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL
CHASE MILLER
ENGINEER
PE096224
Date: 04/09/2026 12:54:00

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
FIRE ALARM DETAILS

PROJECT NO. [CITY] [SMP]: 52025-E-06-01 | 718.10	DRAWING NO. FA5.3
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: AAS	
CHECKED BY: JK	

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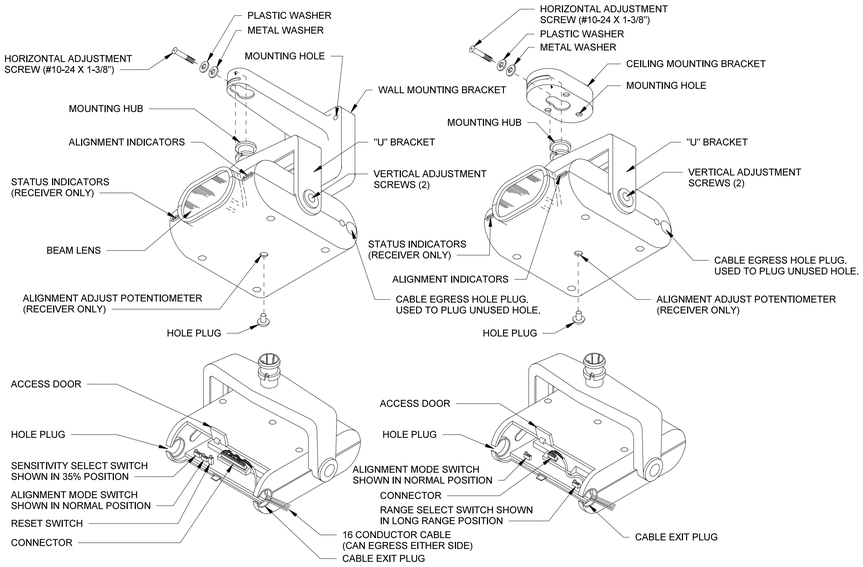

1 FA5.4 END-TO-END BEAM SMOKE DETECTOR MOUNTING AND CONTROLS DETAIL
NOT TO SCALE

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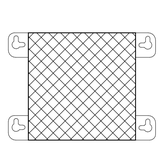
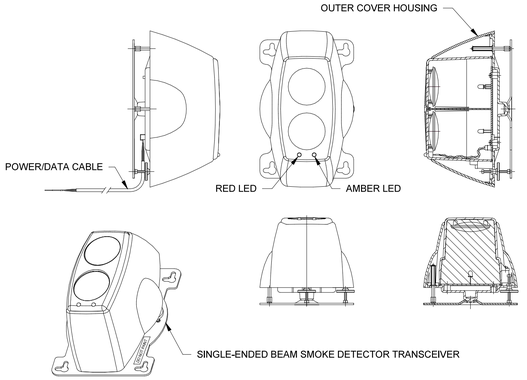


8" X 8" REFLECTOR PLATE (TYPICAL)

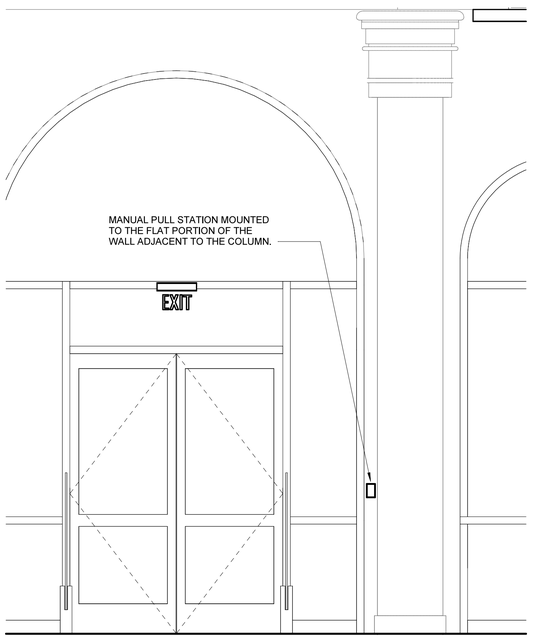
NOTE:

UP TO FOUR (4) REFLECTOR PLATES MAY BE ASSEMBLED AS NEEDED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR RANGES IN EXCESS OF 230'.



NOTE:
1. THE POWER/DATA CABLE ASSEMBLY IS OMITTED FROM SOME VIEWS FOR CLARITY. THE POWER/DATA CABLE ASSEMBLY IS TO BE PLUGGED INTO THE CONNECTOR AT THE REAR OF THE ASSEMBLY, AND LOOSELY WOUND AROUND THE COMPLETED ASSEMBLY.
2. PUT THE COMPLETED SINGLE-ENDED BEAM SMOKE DETECTOR ASSEMBLY INTO THE POLYBAG SUPPLIED WITH EACH OUTER COVER HOUSING.

2 FA5.4 SINGLE-ENDED BEAM SMOKE DETECTOR FOR REFERENCE ONLY
NOT TO SCALE



3 FA5.4 MAIN ENTRANCE MANUAL PULL STATION
1/2" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
CHASE MILLER
ENGINEER
PE096224
Date: 2026.04.09 13:04:00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
FIRE ALARM DETAILS

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO. FA5.4
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: AAS	
CHECKED BY: JK	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

FIRE ALARM POWER SCHEDULE

SYSTEM/ZONE	BASIS OF DESIGN EQUIPMENT	FLOOR LEVEL	ROOM/LOCATION	NORMAL POWER	EMERGENCY POWER	VOLTAGE	AMPS	HZ	PHASE
FIRE ALARM CONTROL PANEL	SILENT KNIGHT 6820	LWR LVL	STORAGE 012	YES	YES (BATTERIES)	120	3,3	60	1
FIRE ALARM NAC PANEL	SILENT KNIGHT 5496	LWR LVL	STORAGE 012	YES	YES (BATTERIES)	120	3,3	60	1
FIRE ALARM NAC PANEL	SILENT KNIGHT 5496	LWR LVL	STORAGE 012	YES	YES (BATTERIES)	120	3,3	60	1

CIRCUIT AND CONDUIT SCHEDULE

CIRCUIT ID	PATHWAY DESCRIPTION	CONDUCTOR SIZE	CONDUCTOR TYPE	MINIMUM CONDUIT SIZE	MINIMUM CONDUIT TYPE			PATHWAY CLASS	NFPA 72 SURVIVABILITY
					OUTDOOR - ABOVEGROUND - ABOVE BUILDING SLAB*	INDOOR - EXPOSED BELOW 8 FT**	INDOOR - EXPOSED ABOVE 8 FT**		
A	SIGNALING LINE CIRCUIT (SLC)	2 #16 AWG	FPLP - TWISTED/SHIELDED	3/4"	GALVANIZED EMT	EMT	EMT	B	0
B	CIRCUITS TO CONTROL FOREIGN DEVICES	2 #16 AWG	FPLP	3/4"	GALVANIZED EMT	EMT	EMT	D	0
C	CIRCUITS TO MONITOR FOREIGN DEVICES	2 #16 AWG	FPLP	3/4"	GALVANIZED EMT	EMT	EMT	D	0
D	HORN, HORN/STROBE, STROBE CIRCUITS	2 #14 AWG	FPLP - TWISTED	3/4"	GALVANIZED EMT	EMT	EMT	N/A	N/A
E	DATA CIRCUITS BETWEEN PANELS	2 #16 AWG	FPLP - TWISTED/SHIELDED	3/4"	GALVANIZED EMT	EMT	EMT	D	0
F	24VDC AUX POWER CIRCUITS BETWEEN PANELS	2 #14 AWG	FPLP	3/4"	GALVANIZED EMT	EMT	EMT	D	0
G	DEDICATED AC POWER TO PANELS	REFER TO ELECTRICAL DRAWINGS	REFER TO ELECTRICAL DRAWINGS	3/4"	GALVANIZED EMT	EMT	EMT	N/A	N/A

*PROVIDE WATERTIGHT FITTINGS ON CONDUIT **PROVIDE RGS WHERE EXPOSED TO POSSIBLE DAMAGE

FIRE ALARM EQUIPMENT NAMING CONVENTION

BB-LL-TYPE-NUM =	EQUIPMENT NAME*
BB =	BUILDING DESIGNATION (2 CHAR)
LL =	FLOOR LEVEL OF EQUIPMENT (2 CHAR)
TYPE =	EQUIPMENT TYPE OR NAME (4 CHAR)
NUM =	EQUIPMENT NUMBER (3 CHAR)

*NAMING CONVENTION AND NAMES INDICATED ON PROJECT DOCUMENTS ARE FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR'S SCOPE SHALL INCLUDE THE CREATION OF PROJECT SPECIFIC NAMES BASED ON THEIR INVESTIGATION OF THE SEPTA FACILITY STANDARDS. EQUIPMENT NAMES ARE TO BE DEVELOPED AND SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

PLAN EXAMINER STAMP AREA:

GENERAL NOTES:

NEC WIRING COLOR CODE STANDARDS:

1. THE NEC WIRING COLOR CODE STANDARDS ARE A SET OF GUIDELINES ESTABLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) IN THE UNITED STATES. THESE STANDARDS DICTATE THE COLOR CODES USED FOR ELECTRICAL WIRING IN VARIOUS ELECTRICAL SECTORS TO ENSURE CONSISTENCY, SAFETY, AND EASE OF MAINTENANCE. THE NEC WIRING COLOR CODES HELP ELECTRICIANS AND OTHERS WORKING WITH ELECTRICAL SYSTEMS TO IDENTIFY THE FUNCTION OF EACH WIRE IN AN ELECTRICAL CIRCUIT, REDUCING THE RISK OF ELECTRICAL ACCIDENTS AND ENSURING PROPER CONNECTIONS.

2. FOR FIRE ALARM SYSTEMS, THE COLOR CODES ARE ESSENTIAL FOR ENSURING THE SYSTEM'S FUNCTIONALITY, RELIABILITY, AND EASE OF MAINTENANCE. WHILE NFPA 72 DOES NOT PRESCRIBE SPECIFIC COLOR CODES, MANY IN THE INDUSTRY FOLLOW ESTABLISHED CONVENTIONS THAT IMPROVE CONSISTENCY AND REDUCE ERRORS. ADHERING TO THESE COMMON PRACTICES IS ESSENTIAL FOR BOTH SAFETY AND COMPLIANCE, ESPECIALLY IN SYSTEMS WITH COMPLEX INTEGRATIONS LIKE HVAC SHUTDOWNS, ELEVATOR CAPTURE, AND REMOTE ANNUNCIATORS.

3. THE FOLLOWING IS A BREAKDOWN OF WIDELY ACCEPTED COLOR CODES FOR DIFFERENT CIRCUITS IN FIRE ALARM SYSTEMS, BASED ON INDUSTRY PRACTICES:

   A. INITIATING CIRCUIT FUNCTION: RED FOR THE POSITIVE LEG, BLACK FOR THE NEGATIVE LEG.
   B. NOTIFICATION APPLIANCE CIRCUIT (NAC) FUNCTION: BLUE FOR THE POSITIVE LEG AND WHITE FOR THE NEGATIVE LEG.
   C. FLASHING STROBE FUNCTION: SAME AS NACS, BLUE FOR THE POSITIVE LEG AND WHITE FOR THE NEGATIVE LEG.
   D. SPRINKLER / STANDPIPE FUNCTION: RED FOR THE POSITIVE LEG, BLACK FOR THE NEGATIVE LEG.
   E. AUXILIARY POWER SUPPLY FUNCTION: VIOLET FOR THE POSITIVE LEG AND BROWN FOR THE NEGATIVE LEG.
   F. DOOR HOLDER CIRCUIT FUNCTION: GREY FOR BOTH CONDUCTORS.

4. THESE COLOR CODES HELP IN IDENTIFYING THE FUNCTION OF EACH WIRE IN AN ELECTRICAL CIRCUIT, REDUCING THE RISK OF ELECTRICAL SHOCK, SHORT CIRCUITS, AND OTHER HAZARDS..

5. THE CONTRACTOR SHALL PROVIDE A COORDINATED AND ACCEPTED PROJECT SPECIFIC WIRING COLOR CODING AS PART OF THE SHOP DRAWING PHASE TO BE SUBMITTED FOR REVIEW.

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
CHASE MILLER
ENGINEER
PE096224
Digitally signed by Chase Miller
Date: 04'00'

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
FIRE ALARM SCHEDULES

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. FA6.1
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY AAS	
CHECKED BY JK	REV.

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

GENERAL TELECOM NOTES:

1. THESE DRAWINGS DESCRIBE THE GENERAL REQUIREMENTS FOR THE INSTALLATION OF TELECOMMUNICATIONS UNIVERSAL CABLING DISTRIBUTION SYSTEM AND SECURITY SYSTEMS FOR MCPHERSON SQUARE LIBRARY.

2. PRIOR TO ACCEPTANCE OF THE INSTALLATION, ALL SYSTEMS SHALL BE TESTED, AND OPERATED TO DEMONSTRATE TO THE OWNER, OR HIS DESIGNATED REPRESENTATIVE, THAT THE INSTALLATION AND PERFORMANCE OF THESE SYSTEMS AND/OR PARTS THEREOF CONFORM TO THE DESIGN INTENT.

3. CONTRACT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE, DESIGN INTENT, AND GENERAL ARRANGEMENT ONLY. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES INCLUDING RESOLUTION OF FIELD CONFLICTS THAT MAY ARISE. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE TO DETERMINE ACTUAL PHYSICAL SIZE, CAPACITIES, AND LOCATIONS OF EXISTING EQUIPMENT TO BE REMOVED.

4. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD LOCATE AND IDENTIFY ALL EXISTING UTILITIES AND EXISTING CONDITIONS IN THE CONSTRUCTION AREA. WHETHER INDICATED ON DRAWINGS OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO EXISTING UTILITIES, CABLES AND/OR FACILITIES DAMAGED DURING CONSTRUCTION. NO REIMBURSEMENT WILL BE ALLOWED FOR REPAIR AND/OR REPLACEMENT OF DAMAGED FACILITIES/UTILITIES.

5. IN CONSTRUCTION AREAS THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING CABLES DURING CONSTRUCTION. THE CONTRACTOR WILL PAY FOR ALL REASONABLE COSTS ASSOCIATED WITH THE REPAIR OF ANY DAMAGED CABLES.

6. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND PROTECTION OF EXISTING CABLES WHICH PASS THROUGH THE CONSTRUCTION AREA BUT ARE NOT PART OF THE CONSTRUCTION SCOPE OF WORK. THE CONTRACTOR SHALL ENSURE THESE CABLES ARE PROTECTED AND THE SYSTEMS STAY FUNCTIONAL TO WHICH THEY ARE CONNECTED.

7. FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND LOCATIONS OF FINISHED CONSTRUCTION PRIOR TO FABRICATION AND INSTALLATION OF FIXTURES AND EQUIPMENT. NOTIFY THE ENGINEER AT ONCE IF THERE ARE ANY DISCREPANCIES.

8. THE ALTERATION OF THE EXISTING BUILDING IS WORK OF A COMPLEX NATURE WHICH WILL REQUIRE ACCURATE PLANNING, CAREFUL PREPARATION AND EXECUTION, ATTENTION TO DETAIL AND CLOSE SUPERVISION BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO DO THIS WORK IN FULL COOPERATION WITH ALL CONSTRUCTION TRADES AND SUBJECT TO SCHEDULING ARRANGED TO MINIMIZE DISRUPTION OF NORMAL ACTIVITIES OF THE BUILDING. PHASING OF ALL WORK SHALL BE DONE IN COORDINATION WITH THE CONSTRUCTION PHASING PLAN.

9. ALL DEVICES AND BOXES INSTALLED SHALL BE TAGGED AND/OR MARKED AS IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.

10. ALL PENETRATIONS, BOTH NEW AND EXISTING, THROUGH DESIGNATED FIRE RATED WALLS, CEILINGS AND FLOOR SLABS SHALL BE PROPERLY SEALED WITH AN APPROVED RATED FIRE STOPPING MATERIAL. CONTRACTOR SHALL SUBMIT PDF COPIES OF MANUFACTURER'S CATALOG DATA AND INSTALLATION DETAILS FOR FIRE STOPPING TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION, EACH TRADE CONTRACTOR SHALL PROVIDE AND INSTALL AN APPROVED FIRE STOP SEALANT, TOTALLY ENCLOSING ALL PENETRATIONS THROUGH RATED CEILINGS, WALLS, ROOFS AND FLOORS.

11. WHERE AN OUTLET BOX IS TO BE LOCATED IN A FIRE RATED PARTITION THE FOLLOWING SHALL BE MET
    - A. THE OUTLET BOX SHALL BE METALLIC
    - B. THE OUTLET BOX SHALL NOT EXCEED 4"X4" OR 16 SQUARE INCHES
    - C. ALL SPACES BETWEEN THE OUTLET BOX AND THE RATED ASSEMBLY SHALL BE SEALED WITH APPROVED FIRESTOP MATERIALS
    - D. THE OUTLET BOX SHALL BE SEPARATED FROM OPENINGS ON THE OPPOSITE SIDE OF THE ASSEMBLE BY A MINIMUM OF 24" HORIZONTALLY.

12. WHERE UTILITIES, SYSTEMS, SWITCHES, PANELS, POWER SUPPLIES, ROUTERS AND/OR SERVICES REQUIRE SHUTDOWN FOR THE WORK TO BE PERFORMED, NOTIFY THE ENGINEER AND OWNER. REQUESTS FOR SYSTEMS SHUTDOWNS SHALL BE SUBMITTED TO THE OWNER, IN WRITING, A MIN. OF 1 WEEK PRIOR TO THE SCHEDULED SHUTDOWN. THE REQUEST MUST INCLUDE ALL SYSTEMS TO BE AFFECTED AND THE EXPECTED DISRUPTION DURATIONS.

13. ALL MATERIALS SHALL COMPLY WITH APPLICABLE CODES, ORDINANCES AND REGULATIONS.

14. ALL CEILING MOUNTED EQUIPMENT SHALL BE COORDINATED WITH THE REFLECTED CEILING PLANS. EQUIPMENT NOT SHOWN ON THE REFLECTED CEILING PLANS SHALL BE COORDINATED WITH OTHER TRADE CONTRACTORS. CEILING COORDINATION SHOULD BE COMPLETE BEFORE ANY ROUGH IN TAKES PLACE.

15. PATCH, REPAIR OR REPLACE EXISTING WORK/CABLES/EQUIPMENT DISTURBED BY THIS CONTRACT WITH MATERIAL AND WORKMANSHIP MATCHING OR EQUAL TO THE CONDITION PRIOR TO THE NEW WORK, UNLESS OTHERWISE NOTED, ANY PATCHING/REPAIRING SHALL BE PERFORMED BY THE CONTRACTOR AT NO COST TO THE PROJECT.

16. PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, INCIDENTALS, METHODS AND SERVICES REQUIRED TO INSTALL ALL WORK INDICATED COMPLETELY AND IN FULL OPERATION.

17. ALL WORK SHALL BE IN CONFORMANCE WITH THE LATEST AND ALL APPLICABLE LAWS, CODES, AND REGULATIONS ADOPTED BY MUNICIPAL, COUNTY, STATE, FEDERAL AUTHORITIES, UTILITY COMPANIES, INSURANCE AGENCIES AND OTHER AUTHORITIES HAVING JURISDICTION OVER THE WORK, INCLUDING CURRENT ENVIRONMENTAL REGULATIONS, AND SHALL COMPLY WITH THE APPLICABLE LOCAL ELECTRICAL CODES, NEC 2017 OR LATEST ADOPTED EDITION AND ANY APPLICABLE INDUSTRIAL CODES: NECA, NEC, NESC, NFPA, IEEE, AND FOLLOWING TELECOMMUNICATIONS STANDARDS:
    - A. TIA 568-D TELECOMMUNICATIONS CABLING FOR CUSTOMER PREMISES STANDARD
    - B. TIA 569-D TELECOMMUNICATIONS PATHWAYS AND SPACES
    - C. TIA 606-C ADMINISTRATION STANDARD FOR TELECOMMUNICATIONS INFRASTRUCTURE
    - D. TIA-607-C TELECOMMUNICATIONS BONDING AND GROUNDING (EARTHING) FOR CUSTOMER PREMISES AND ALL ANNEXES
    - E. TIA 862-B STRUCTURED CABLING INFRASTRUCTURE STANDARD FOR INTELLIGENT BUILDING SYSTEMS
    - F. BUILDING INDUSTRY CONSULTING SERVICES INTERNATIONAL (BICSI) TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL (TDMM), 14TH EDITION.

18. THE CONTRACTOR SHALL GUARANTEE THE ENTIRE INSTALLATION FOR A PERIOD OF ONE YEAR (EXCEPT WHERE EXTENSIONS OF THIS ONE YEAR PERIOD ARE NOTED) FROM THE DATE OF ACCEPTANCE OF THE SYSTEM(S) AS A WHOLE. ANY DEFECTS IN WORKMANSHIP, MATERIALS, MALFUNCTION OF EQUIPMENT OR UNSATISFACTORY PERFORMANCE, AND ALL OTHER WORK OR PARTS OF THE BUILDING DAMAGED THEREBY, AS A RESULT OF WORK ON THE PROJECT BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PAY ALL REPAIR COSTS ACCORDINGLY WITHOUT ADDITIONAL COSTS TO THE OWNER.

19. IN ADDITION TO SPECIFICS, AS MAY BE DEFINED HEREAFTER, THE CONTRACTOR SHALL PROTECT THE WORK SITE AND ALL HIS OR HER WORK AGAINST DAMAGE FROM ANY SURFACE (INCLUDING BUT NOT LIMITED TO WATER, DUST, HEAT, FREEZING ETC.) UNTIL FINAL COMPLETION AND ACCEPTANCE BY THE OWNER.

20. UNLESS OTHERWISE NOTED, ALL PARTS, EQUIPMENT, AND MATERIALS SHALL BE NEW AND SHALL BE SAME AND/OR UL APPROVED.

21. COMPLETE ALL CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF THE WORK. CUTTING AND PATCHING SHALL BE COMPLETED IN A NEAT AND WORKMANLIKE MANNER. PATCHING MATERIALS SHALL MATCH EXISTING MATERIALS TO THE GREATEST EXTENT POSSIBLE. PROVIDE TOUCH UP PAINT AS REQUIRED MATCHING PAINT FINISH & COLOR OF EXISTING ADJACENT AREAS.

22. CORE DRILL OPENINGS THROUGH FLOORS FOR NEW CONDUIT PENETRATIONS AS REQUIRED. PRIOR TO CORE DRILLING, CONTRACTOR SHALL ENSURE THAT A UTILITY SURVEY HAS BEEN COMPLETED FOR ALL AREAS TO BE CORE DRILLED. CORE DRILLED OPENINGS SHALL BE SLEEVED AND SEALED WITH FIREPROOF/FIRE RATED MATERIAL. CORE DRILL 1/4" DIAMETER PILOT HOLE PRIOR TO CORE DRILLING IN ORDER TO LOCATE WHERE HOLE WILL FALL. CONTRACTOR SHALL NOT CORE DRILL THROUGH ANY STRUCTURAL BUILDING ELEMENTS SUCH AS COLUMNS OR BEAMS. TAKE PRECAUTIONS AS TO PROTECT AREAS BENEATH CORE DRILLED AREA AND HAVE PERSONNEL AT THIS AREA IN ORDER TO CATCH CORE AND WATER THAT MAY ENTER AREAS BELOW. REPLACE ANY/ALL CEILING TILES THAT ARE DAMAGED DUE TO THIS WORK. THOROUGHLY CLEAN AREAS AFTER CORE DRILL WORK HAS BEEN COMPLETED.

23. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING CABLING. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR FURNISHING AND INSTALLING CONDUIT FROM ALL EQUIPMENT DEVICE LOCATIONS TO DESIGNATED TERMINATION ROOMS. ALL NEW CABLING SHALL BE INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED. A PULL BOX SHALL BE INSTALLED FOR ANY CONDUITS WITH A CONTINUOUS RUN OF MORE THAN 100'. A PULL BOX SHALL BE INSTALLED ON ANY CONTINUOUS CONDUIT RUN WITH MORE THAN TWO 90 DEGREE BENDS (REFER TO BICSI MANUAL, 13TH EDITION).

24. ALL NEW CONDUIT ROUTES SHALL BE A MINIMUM OF 3/4" EMT CONDUIT AND NO MORE THAN 40% FILLED. ALL EXPOSED CONDUITS SHALL BE PAINTED WITH TWO COATS OF PAINT TO MATCH THE SURROUNDING ENVIRONMENT.

25. THESE DRAWINGS MAY NOT SHOW ALL REQUIRED CONNECTIONS, PATCH CORDS, INTERCONNECTING CABLES, ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE IN HIS BID PRICE ALL APPURTENANCES FOR A COMPLETE AND OPERATIONAL SYSTEM THAT MEETS THE SYSTEM DESIGN REQUIREMENTS, WHETHER OR NOT SHOWN ON THE DRAWINGS OR CALLED OUT IN THE SPECIFICATIONS.

26. DIMENSIONS TAKE PRECEDENCE OVER SCALE.

27. PRIOR TO CORE DRILLING CONTRACTOR SHALL OBTAIN THE SERVICES OF A UTILITY LOCATOR FIRM WITH ABILITY TO LOCATE CONDUIT IN CONCRETE SLABS. CONTRACTOR SHALL IDENTIFY THE LOCATION OF CONDUITS IN SLAB, THEN PRESENT THE FINDINGS TO THE ENGINEER FOR REVIEW PRIOR TO CORE DRILLING. ALL PENETRATIONS, BOTH NEW AND EXISTING, THROUGH DESIGNATED FIRE RATED WALLS, CEILINGS AND FLOOR SLABS (WHICH ARE 2-HOUR RATED) SHALL BE PROPERLY SEALED WITH AN APPROVED RATED FIRE STOPPING MATERIAL. ALL FIRE STOPPING MATERIAL SHALL BE SUPPLIED AND WORK PERFORMED AS PER PROJECT SPECIFICATIONS. CONTRACTOR SHALL SUBMIT PDF COPIES OF MANUFACTURER'S CATALOG DATA AND INSTALLATION DETAILS FOR FIRESTOPPING TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

28. CONTRACTOR SHALL PROVIDE FINAL CONNECTIONS TO OWNER PROVIDED EQUIPMENT AS INDICATED ON THE PLANS.

29. INSTALLATION OF CATEGORY 6 UTP CABLE SHALL BE IN ACCORDANCE WITH TIA GUIDELINES. CABLE INSTALLATION AND TERMINATIONS THAT DO NOT COMPLY SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
    - A. THE MAXIMUM PULLING TENSION FOR A SINGLE CABLE SHALL NOT EXCEED 25 POUNDS.
    - B. THE MINIMUM BENDING RADIUS OF THE CABLE SHALL NOT BE LESS THAN 4X THE OUTSIDE DIAMETER OF THE CABLE.
    - C. THE CABLE SHALL BE INSTALLED WITHOUT KINKS OR TWISTS AND THE APPLICATION OF CABLE TIES SHALL NOT DEFORM THE CABLE BUNDLE. CONDUITS SHALL TRANSITION INTO CABLE TRAYS USING CONDUIT END BELLS, NO CABLE SHALL BE INSTALLED OVER ROUGH CONDUIT EDGES IN ANY TRANSITION.
    - D. STRIP BACK ONLY AS MUCH CABLE JACKET AS IS REQUIRED TO TERMINATE THE CABLE. CABLE PAIRS SHALL NOT BE UNTWISTED MORE THAN 1/2 INCH.
    - E. CABLES SHALL BE TESTED PER THE SPECIFICATIONS, CABLES WHICH DO NOT PASS TESTS SHALL BE REPLACED, OR RECTIFIED BY THE CONTRACTOR AT NO ADDITIONAL COST.
    - F. THE CONTRACTOR SHALL NOT INSTALL ANY NEW CATEGORY 6A CABLE AT LENGTHS GREATER THAN 90 METERS FROM PATCH PANEL TO OUTLET BOX. THE CONTRACTOR SHALL BRING ANY CONDITIONS EXCEEDING THE CABLE LIMIT DISTANCE TO THE ENGINEER.

30. INSTALLATION OF FIBER OPTIC CABLES SHALL BE IN ACCORDANCE WITH TIA GUIDELINES. CABLE INSTALLATION AND TERMINATIONS THAT DO NOT COMPLY SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
    - A. THE BEND RADIUS FOR HORIZONTAL OPTICAL FIBER CABLE SHALL NOT BE LESS THAN 1 INCH UNDER NO-LOAD CONDITIONS. WHEN UNDER A MAXIMUM TENSILE LOAD OF 50 LBF, THE BEND RADIUS SHALL NOT BE LESS THAN 2 INCHES.
    - B. THE BEND RADIUS FOR FIBER BACKBONE SHALL NOT BE LESS THAN THAT RECOMMENDED BY THE MANUFACTURER IF NO RECOMMENDATION IS KNOWN, THEN THE APPLIED BEND RADIUS SHALL NOT BE LESS THAN 12 TIMES THE CABLE OUTSIDE DIAMETER UNDER NO-LOAD CONDITIONS AND NOT LESS THAN 15 TIMES THE CABLE OUTSIDE DIAMETER WHEN THE CABLE IS UNDER TENSILE LOAD.

31. ALL HORIZONTAL CABLES SHALL BE INSTALLED WITH A 5' SERVICE LOOP IN THE TELECOMMUNICATIONS ROOM.

32. ALL FIBER OPTIC CABLE SHALL BE INSTALLED WITHIN INNERDUCT WHEN INSTALLED IN CABLE TRAY OR CONDUITS LARGER THEN 2" UNLESS OTHERWISE NOTED.

33. ALL FIBER OPTIC CABLES SHALL BE INSTALLED WITH A 10' SERVICE LOOP IN THE TELECOMMUNICATIONS ROOM.

34. ALL CCTV AND SECURITY DATA CABLE MUST BE RUN IN CONDUIT, NO EXCEPTIONS.

35. ALL WIRING, CABLES, CONDUITS, JUNCTION BOXES TO BE CONCEALED IN WALLS, CEILINGS, OR FLOORS UNLESS OTHERWISE NOTED. EXPOSED CONDUIT SHALL BE PAINTED TO MATCH FINISHES AS BEST AS POSSIBLE. ARCHITECT MUST APPROVE COLORS.

PLAN EXAMINER STAMP AREA:

ABBREVIATIONS:

(E)	EXISTING WORK/EQUIPMENT TO REMAIN
(ER)	EXISTING WORK/EQUIPMENT TO BE RELOCATED
(N)	NEW WORK/EQUIPMENT TO BE PROVIDED UNDER THIS CONTRACT
(R)	EXISTING WORK/EQUIPMENT TO BE REMOVED UNDER THIS PROJECT
(RE)	RELOCATED EXISTING WORK/EQUIPMENT
ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AWG	AMERICAN WIRE GAUGE
BO	BOTTOM OF
C	CONDUIT
CCTV	CLOSED CIRCUIT TELEVISION
CKT.	CIRCUIT
CL	CENTER-LINE
CLG	CEILING, EQUIPMENT MOUNTED EITHER ON OR IN CEILING AREA
CM	CONSTRUCTION MANAGER
COL	COLUMN
CONC	CONCRETE
COMM	COMMUNICATIONS
CU	COPPER
DC	DIRECT CURRENT
E.C.	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
EXIST	EXISTING
FLP	FREE LIBRARY OF PHILADELPHIA
FMC	FLEXIBLE METAL CONDUIT
FO	FIBER OPTIC
FOPP	FIBER OPTIC PATCH PANEL
FRP	FIRE RELEASE PANEL
FS	SINGLE MODE FIBER
G	GROUND
G.C.	GENERAL CONTRACTOR
GRND.	GROUND
GRC	GALVANIZED RIGID STEEL CONDUIT
GWB	GYPSUM WALL BOARD
HORIZ	HORIZONTAL(LY)
ID	IDENTIFICATION
IT	INFORMATION TECHNOLOGY
JB	JUNCTION BOX
LC	LC FIBER CONNECTOR
LED	LIGHT EMITTING DIODE
MAX	MAXIMUM
MIN	MINIMUM
MM	MULTI MODE FIBER
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NEC	NATIONAL ELECTRIC CODE
OPL	OPERATING PANEL
OPNG	OPENING
OSP	OUTSIDE PLANT
P	PORTRAIT
PP	PATCH PANEL
RX	RECEIVER
SM	SINGLE MODE FIBER
ST	ST FIBER CONNECTOR
SUSP	SUSPENDED
TBD	TO BE DETERMINED
TCOM	TELECOMMUNICATIONS
TELCO	TELECOMMUNICATIONS ROOM
TELECOM	TELECOMMUNICATIONS
T.O.	TOP OF
TSP	TWISTED SHIELDED PAIR
TV	TELEVISION
TX	TRANSMITTER
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
UCDS	UNIVERSAL CABLE DISTRIBUTION SYSTEM
V	VOLTS
VERT	VERTICAL(LY)
VIF	VERIFY IN FIELD
W/	WITH
WAP	WIRELESS ACCESS POINT
WCR	WITHSTAND CURRENT RATING
WP	WEATHERPROOF

FLP WIRE COLOR STANDARDS:

DATA:	BLUE
AV:	YELLOW
FIRE PROTECTION:	RED
WIRELESS:	GRAY
FUTURE USE:	WHITE
SECURITY:	GREEN
ALARM:	BLACK

TELECOM SYMBOLS:

- REMOVE DATA OUTLET, DATA CABLES, AND CONDUITS TO SOURCE.
- 2 — DATA OUTLET, (2) CAT 6 CABLE TYPE (1-ACTIVE, 1-SPARE), BACK BOX AND PATHWAY TO IT ROOM 008, MOUNTED 18" CL AFF ON WALL UNLESS NOTED OTHERWISE.
- VOICE OUTLET FOR WALL PHONE, CAT 6 CABLE TYPE, BACK BOX AND PATHWAY TO IT ROOM 008, MOUNTED 48" CL AFF UNLESS NOTED OTHERWISE.
- 1 — CEILING MOUNTED DATA OUTLET, (1) CAT 6, PROVIDE A 4-11/16"W x 4-11/16"H x 2-1/2" DEEP DOUBLE GANG BACK BOX AND MINIMUM 1" CONDUIT FROM EACH OUTLET TO IT ROOM 008. OUTLETS SHALL BE MOUNTED ON UNDERSIDE OF STRUCTURE UON.
- J — 2-GANG JUNCTION BOX FOR POWER AND DATA FOR INTERCONNECTION TO SECURITY DEVICE TERMINATION POINT.
- POINT OF NEW CONNECTION.
- POINT OF DISCONNECTION.
- WAP — WIRELESS ACCESS POINT. DATA OUTLET AT 10' AFF, (1) CAT 6 CABLE TYPE, BACK BOX AND PATHWAY TO IT ROOM 008. WAP TO BE FURNISHED AND INSTALLED BY FLP.
- FB — FLOOR BOX WITH (2) DUPLEX RECEPTACLES AND (2) DATA JACKS.
- FP — POKE-THRU DEVICE WITH (2) DUPLEX RECEPTACLES AND (2) DATA JACKS.
- PC — PEOPLE COUNTER,(1) CAT 6 CABLE TYPE, BACK BOX AND PATHWAY TO IT ROOM 008. PEOPLE COUNTER TO BE FURNISHED AND INSTALLED BY FLP.

INTRUSION DETECTION SYMBOLS:

- CP — CONTROL PANEL, BASIS OF DESIGN: HONEYWELL VISTA 128FBPT CONTROL PANEL WITH STANDBY BATTERY.
- KP — KEYPAD, BASIS OF DESIGN: HONEYWELL 6160 BURGLARY KEYPAD.
- MD — MOTION DETECTOR. BASIS OF DESIGN: HONEYWELL IS2500SN. MOUNT AT 10'AFF.
- DC — DOOR CONTACT, BASIS OF DESIGN: HONEYWELL 4939SN-WH.
- PB — PANIC BUTTON, BASIS OF DESIGN: HONEYWELL WIRELESS
- BD — BREAK DETECTOR. BASIS OF DESIGN: HONEYWELL FG1625SN.
- WD — WINDOW CONTACT, BASIS OF DESIGN: HONEYWELL 4939SN-WH.
- ML — MAG LOCK. BASIS OF DESIGN: ASSA ABLOY M62 MAGNALOCK. COORDINATE WITH FIRE ALARM SYSTEM TO RELEASE THE MAG LOCKS UPON FIRE ALARM ACTIVATION. PROVIDE MOTION SENSOR AND REQUEST TO EXIT PUSH BUTTON ON THE INTERIOR SIDE OF THE DOOR. COORDINATE DOOR HARDWARE AND DOOR SEQUENCE OF OPERATIONS WITH DOOR HARDWARE SPEC SECTION AND ARCHITECTURAL DRAWINGS.
- ES — ELECTRONIC SIREN. BASIS OF DESIGN: HONEYWELL WAVE 2. MOUNT AT 10'AFF.

SECURITY SYMBOLS:

(N)	NEW CCTV SURVEILLANCE CAMERA. PROVIDE (1) CAT 6 CABLE IN CONDUIT TO IT ROOM 008.
(R)	DEMOLISHED FIXED CCTV SURVEILLANCE CAMERA. REMOVE ALL EQUIPMENT CABLE AND CONDUIT TO SOURCE. TURN OVER EXISTING CAMERA TO FLP IT.
(E)	EXISTING FIXED CCTV SURVEILLANCE CAMERA TO REMAIN. REMOVE EXISTING CABLING BACK TO SOURCE. PROVIDE (1) CAT 6 CABLE IN CONDUIT TO IT ROOM 008.

CAMERA MOUNTING HEIGHTS:

INTERIOR CAMERAS:

- REFER TO CAMERA SCHEDULE ON DRAWING SS6.1

EXTERIOR CAMERAS:

- REFER TO CAMERA SCHEDULE ON DRAWING SS6.1

SECURITY ANNOTATION LEGEND:

X / Y / Z

NEW CCTV SURVEILLANCE CAMERA:

X - DETAIL NUMBER
Y - SHEET NUMBER
Z - CAMERA NUMBER

REVISIONS

ISSUE	DATE	REVISIONS

Rebuild PHILADELPHIA

Free LIBRARY OF PHILADELPHIA

FIND YOUR PATH — PHILADELPHIA PARKS & RECREATION

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — MANISH SHAH — ENGINEER — No. 58957

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
SPECIAL SYSTEMS GENERAL NOTES, SYMBOLS & ABBREVIATIONS

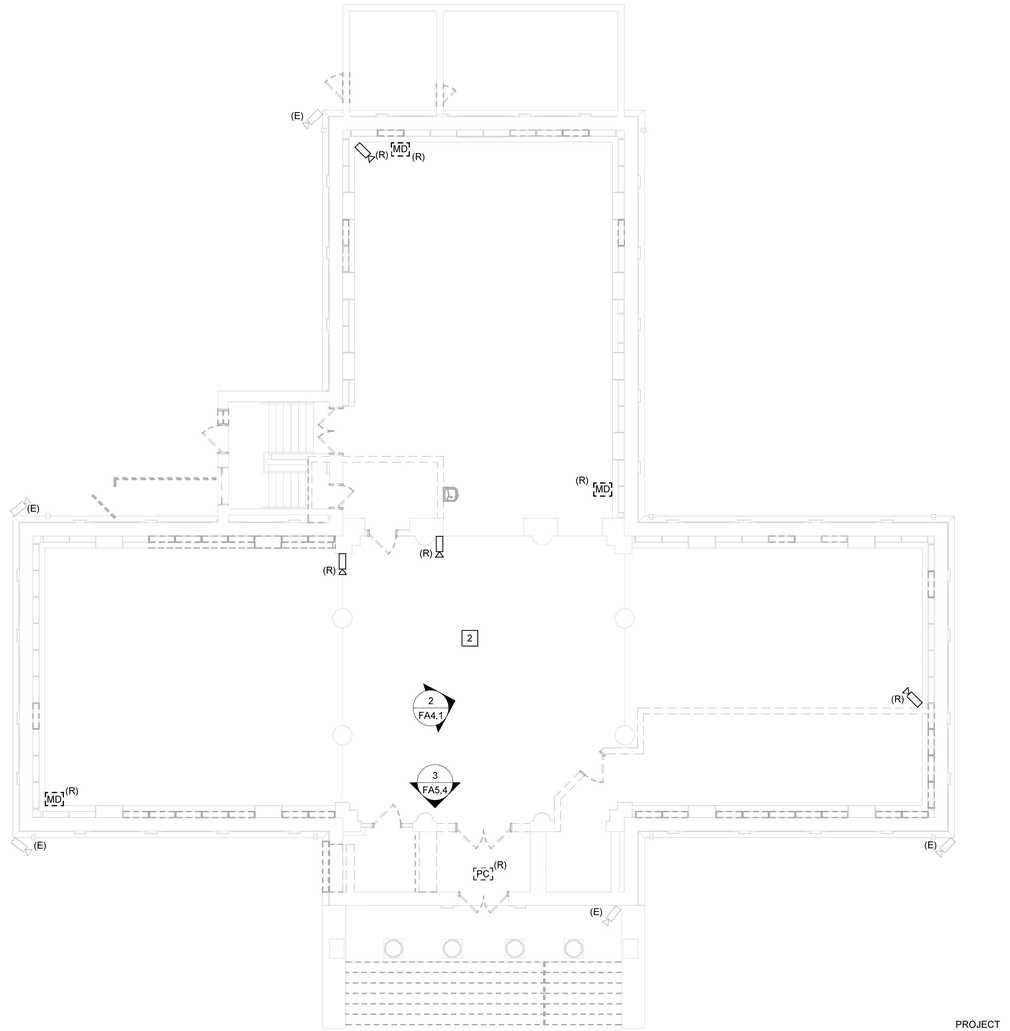
PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. SS0.0
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY SM	
CHECKED BY MS	REV.

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK

LOWER LEVEL DEMOLITION NOTES: #

1. EXISTING TELECOM RACK, AND ASSOCIATED CABLING TO BE REMOVED. COORDINATE ALL DEMO WORK WITH FLP IT BEFORE START OF DEMOLITION. EXISTING VERIZON PHONE LINES AND THEIR RESPECTIVE PHONE NUMBERS TO BE RE-ROUTED IN COORDINATION WITH VERIZON AND FLP IT. COORDINATE EXISTING FIBER OPTIC BACKBONE CONNECTION TO NEW NETWORK EQUIPMENT WITH FLP IT.
2. ALL EXISTING INTRUSION DETECTION SYSTEM DEVICES AND ASSOCIATED CABLING TO BE REMOVED.

2 SSD2.1 SPECIAL SYSTEMS DEMOLITION PLAN - LOWER LEVEL
1/8" = 1'-0"



1 SSD2.1 SPECIAL SYSTEMS DEMOLITION PLAN - ENTRY LEVEL
1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER MANISH SHAH No. 58957

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
SPECIAL SYSTEMS DEMOLITION PLANS - LOWER & ENTRY LEVEL

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10
DRAWING NO.: SSD2.1
DATE: 04/09/2026
SCALE: AS NOTED
DRAWN BY: SM
CHECKED BY: MS
REV.:

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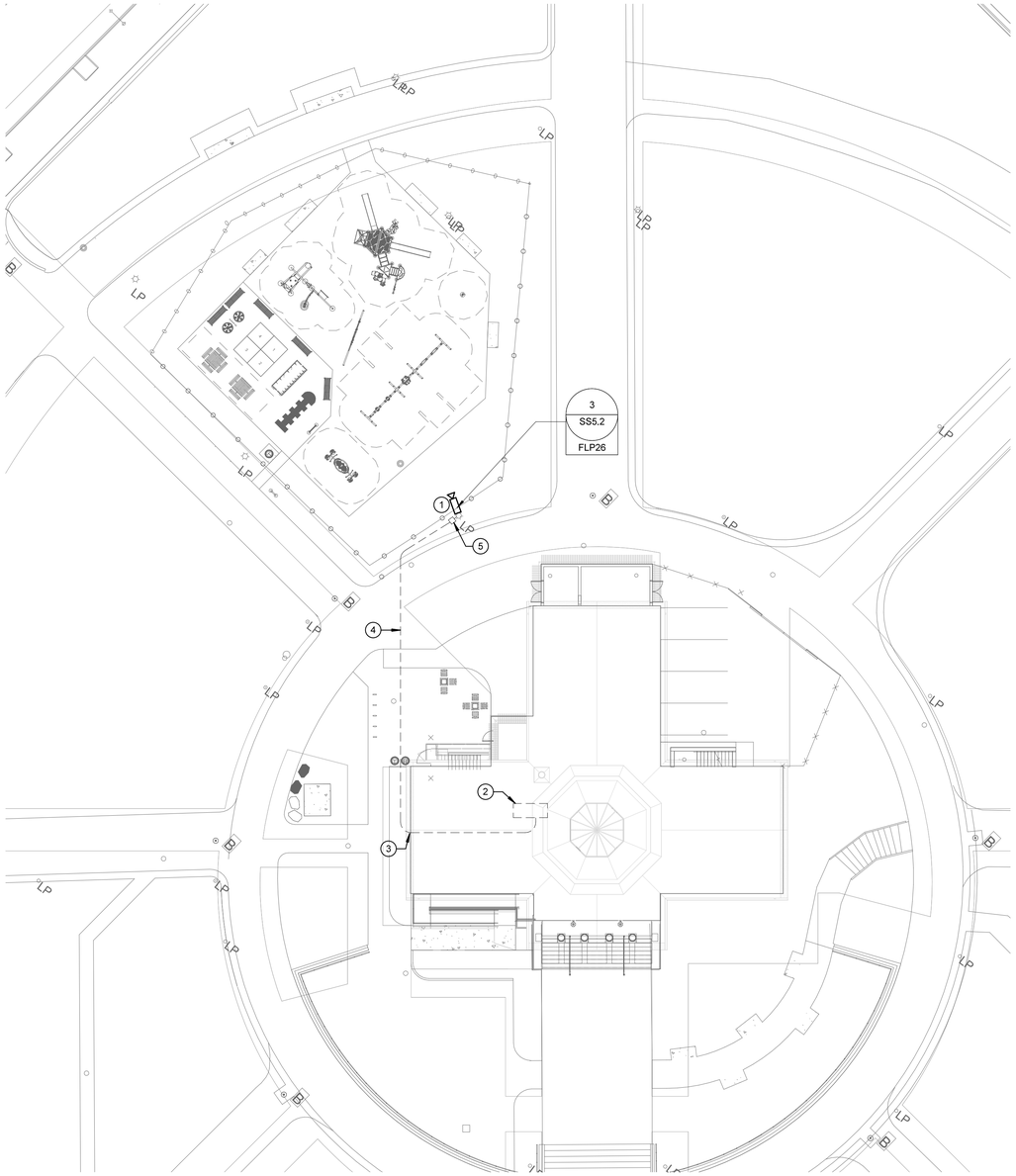


PROJECT NORTH

0' 10' 20' 40'

1 SS2.0 SPECIAL SYSTEMS PLAN - SITE

1" = 20'-0"

GENERAL NOTES:

1. REFER TO DRAWING SS0.0 FOR SPECIAL SYSTEMS GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. REFER TO DRAWING SS4.1 FOR SPECIAL SYSTEMS DIAGRAMS.
3. REFER TO DRAWINGS SS5.1 AND SS5.2 FOR SPECIAL SYSTEMS DETAILS.
4. REFER TO DRAWING SS6.1 FOR SPECIAL SYSTEMS SCHEDULES.

SPECIAL SYSTEMS NOTES: (#)

1. FURNISH AND INSTALL NEW CAMERA TO MONITOR PLAYGROUND. CAMERA TO BE MOUNTED ON AN EXISTING POLE BY THE PLAYGROUND. CABLING TO BE OSP RATED CAT 6.
2. IT ROOM 008 LOCATION.
3. PUNCH OUT 2" CONDUIT THROUGH THE BUILDING EXTERIOR WALL AND TRANSITION CONDUIT TO BELOW GRADE.
4. REFER TO DETAIL 6/SS5.2 FOR DUCTBANK DETAIL.
5. 18" X 18" X 24" HANDHOLE. FLUSH MOUNTED TO GRADE. BASIS OF DESIGN: HUBBELL PENCELL PEM 18 SERIES OR APPROVED EQUAL. LID SHALL HAVE "COMMUNICATIONS" IN THE LOGO.

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR

REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL MANJU SHARMA ENGINEER No. 58957

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE

MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE

SPECIAL SYSTEMS SITE PLAN

PROJECT NO. (CITY | SMP): 52025-E-06-01 | 718.10	DRAWING NO. SS2.0
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: SM	
CHECKED BY: MS	

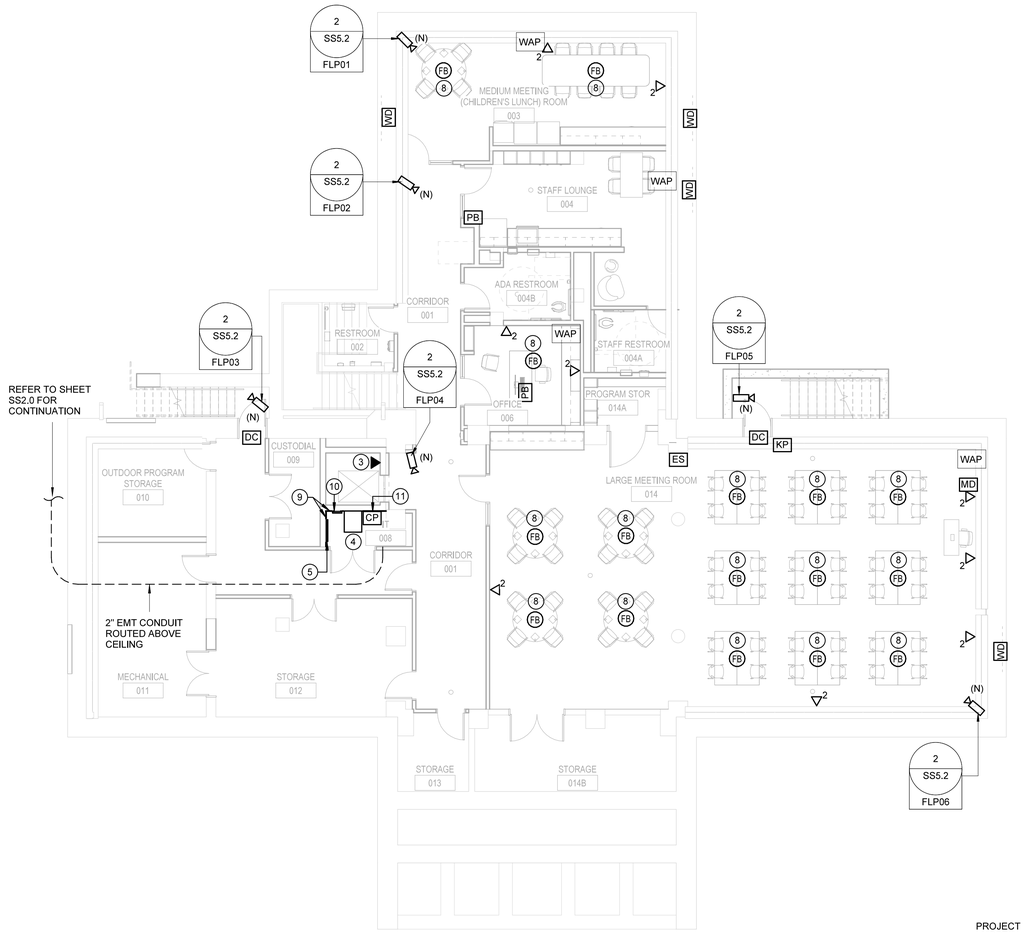
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

GENERAL NOTES:

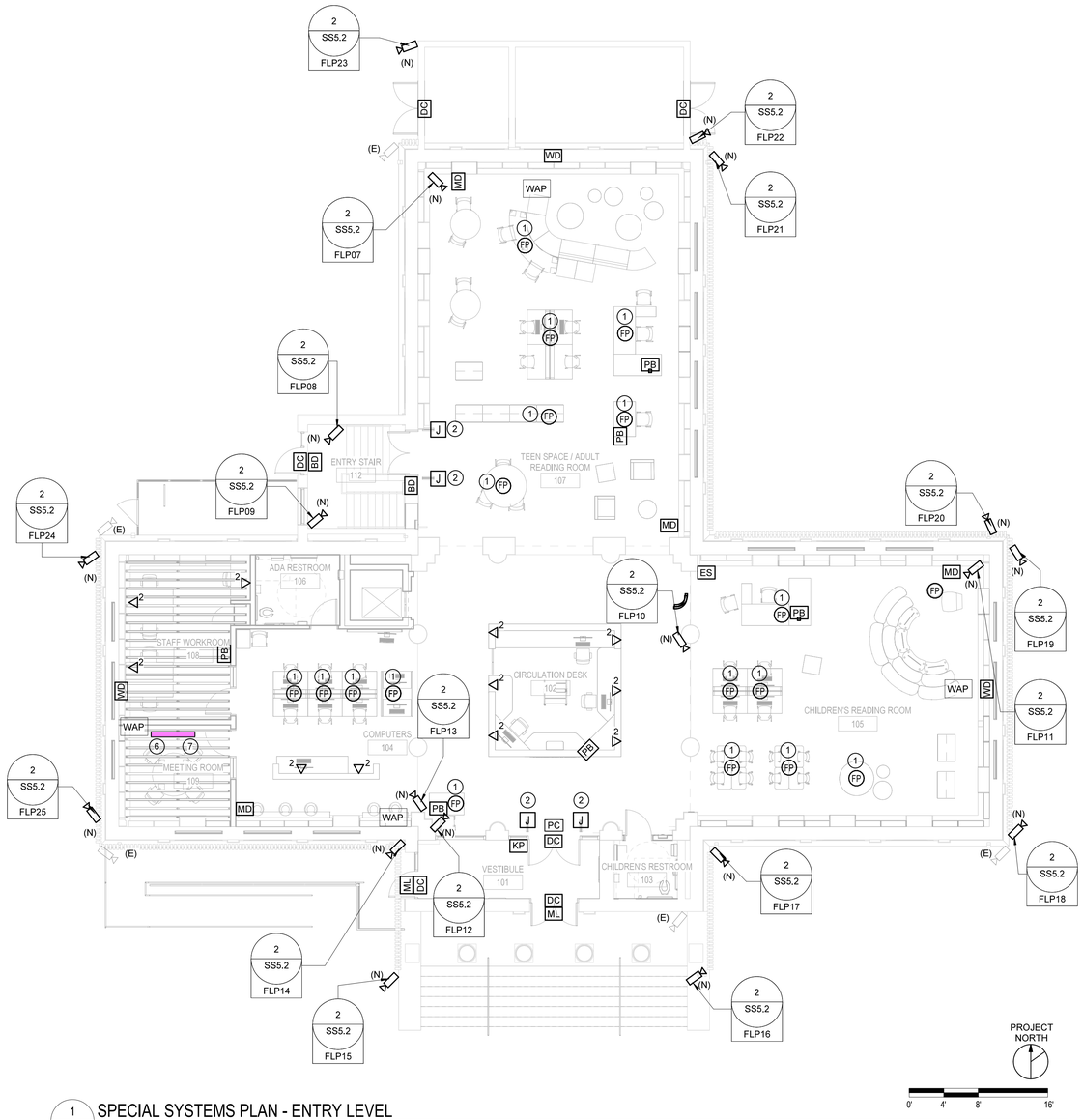
1. REFER TO DRAWING SS0.0 FOR SPECIAL SYSTEMS GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. REFER TO DRAWING SS4.1 FOR SPECIAL SYSTEMS DIAGRAMS,
3. REFER TO DRAWING SS5.1 FOR SPECIAL SYSTEMS DETAILS.
4. REFER TO DRAWING SS6.1 FOR SPECIAL SYSTEMS SCHEDULES.

SPECIAL SYSTEMS NOTES: (#)

1. FURNISH AND INSTALL A POKE-THRU DEVICE WITH (2) DUPLEX RECEPTACLES AND (2) DATA JACKS
2. FURNISH AND INSTALL A 2-GANG JUNCTION BOX FOR POWER AND DATA FOR INTERCONNECTION TO RFID GATES TERMINATION POINT (BOD: FEIG ISC.ANT1710/690 CRYSTAL GATE EXCELLENCE). COORDINATE LOCATION WITH ARCHITECT
3. PROVIDE TELEPHONE CONNECTION FOR ELEVATOR. COORDINATE WITH ELEVATOR CONTRACTOR AND FOR INSPECTION TESTING.
4. PROVIDE IT CABINET, WITH (2) 48 PORT CAT 6 PATCH PANELS, (1) VERTICAL POWER STRIP (BOD: LEGRAND PD-815SC-NS), SURGE PROTECTOR (BOD: LEGRAND PD-9158), NETWORK EQUIPMENT, ROUTER, AND SWITCHES TO BE FURNISHED AND INSTALLED BY FLP. REFER TO DETAIL 1/SS5.2.
5. FURNISH AND INSTALL TAUTANG 32" VIDEO MONITOR WITH MOUNTING BRACKET FOR CCTV CAMERA MONITORING.
6. FURNISH AND INSTALL 55" WALL MONITOR. SIZE TO BE CONFIRMED BY FLP.
7. FURNISH AND INSTALL A 2-GANG JUNCTION BOX FOR POWER AND DATA FOR INTERCONNECTION TO WALL MONITOR. COORDINATE LOCATION WITH ARCHITECT.
8. FURNISH AND INSTALL A FLOOR BOX WITH (2) DUPLEX RECEPTACLES AND (2) DATA JACKS. COORDINATE LOCATION WITH ARCHITECT.
9. FURNISH AND INSTALL 3/4", 4"W X 8'H FIRE-RETARDANT TREATED PLYWOOD, PAINTED WITH (2) COATS OF WHITE PAINT (DO NOT PAINT OVER FIRE RATING), BOTTOM OF THE PLYWOOD MOUNTED 12" AFF.
10. FURNISH AND INSTALL 12" TELECOM GROUNDING BUSBAR.
11. FURNISH AND INSTALL A DEDICATED AUXILIARY 12VDC POWER SUPPLY FOR THE MAGLOCKS AS REQUIRED PER MANIUFACTURER'S RECOMMENDATION. BASIS OF DESIGN: HONEYWELL AD12612 OR EQUAL.



2 SS2.1 SPECIAL SYSTEMS PLAN - LOWER LEVEL
1/8" = 1'-0"



1 SS2.1 SPECIAL SYSTEMS PLAN - ENTRY LEVEL
1/8" = 1'-0"

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL MANUEL SOTO ENGINEER No. 58957

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
SPECIAL SYSTEMS PLANS - LOWER & ENTRY LEVEL

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. SS2.1
DATE 04/09/2026	
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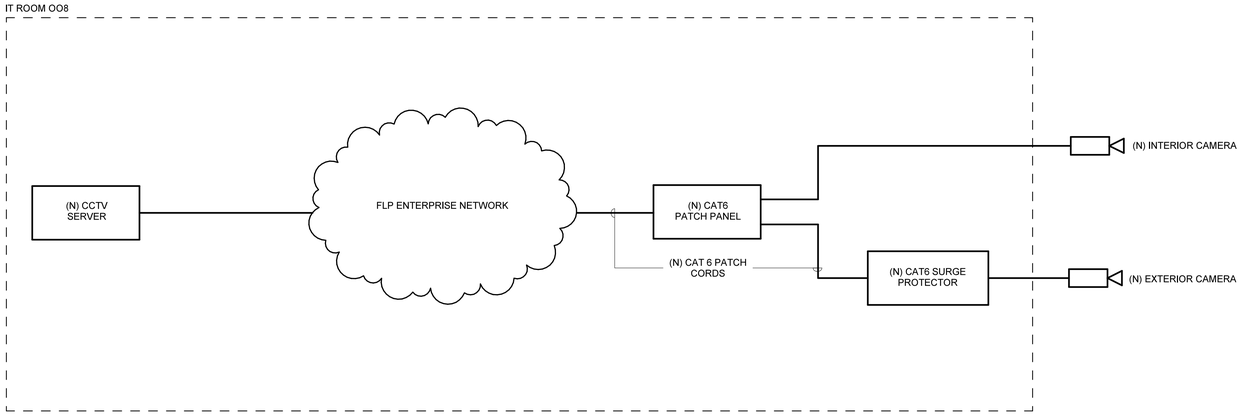

1 / SS4.1 CCTV SINGLE LINE DIAGRAM
NTS

PLAN EXAMINER STAMP AREA:

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REBUILD | CASSIE O'CONNELL

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER MANISH SHAH No. 58957

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
SPECIAL SYSTEMS DIAGRAMS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. SS4.1
DATE 04/09/2026	
SCALE AS NOTED	
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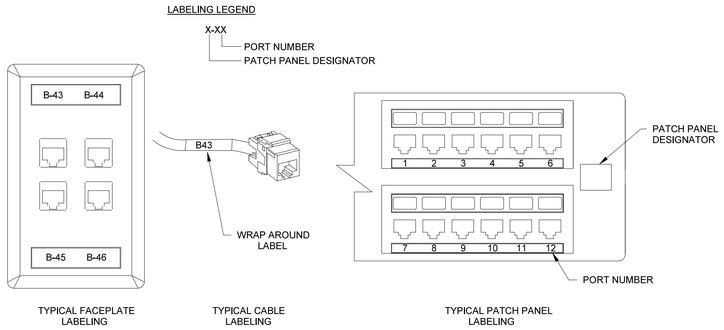
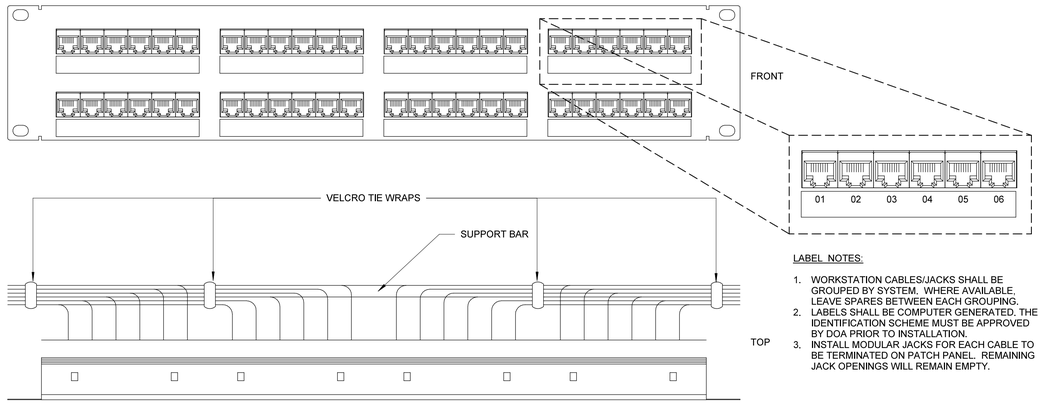


1 SS5.1 LABELING DETAIL
NTS



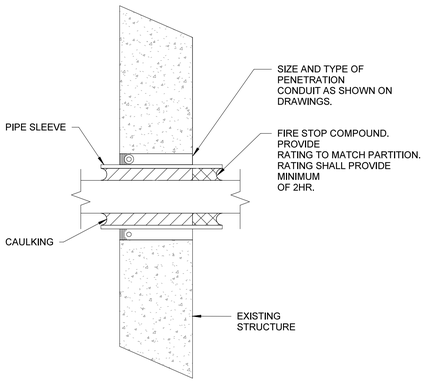
LABEL NOTES:

1. WORKSTATION CABLES/JACKS SHALL BE GROUPED BY SYSTEM. WHERE AVAILABLE, LEAVE SPARES BETWEEN EACH GROUPING.
2. LABELS SHALL BE COMPUTER GENERATED. THE IDENTIFICATION SCHEME MUST BE APPROVED BY DOA PRIOR TO INSTALLATION.
3. INSTALL MODULAR JACKS FOR EACH CABLE TO BE TERMINATED ON PATCH PANEL. REMAINING JACK OPENINGS WILL REMAIN EMPTY.

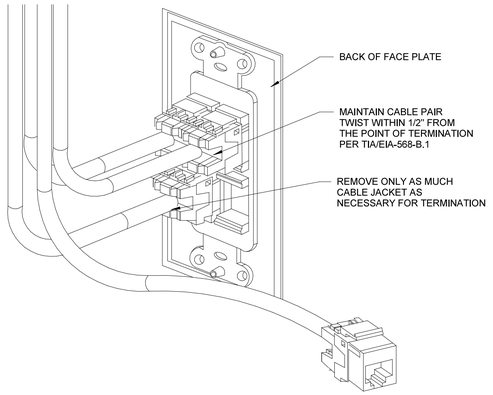
TERMINATION NOTES:

1. UTILIZE ALL SUPPORT DEVICES PROVIDED WITH PATCH PANELS.
2. UTILIZE VELCRO WRAPS TO SECURE WIRING TO SUPPORT BAR. THE USE OF PLASTIC CABLE TIES ARE NOT ACCEPTABLE.

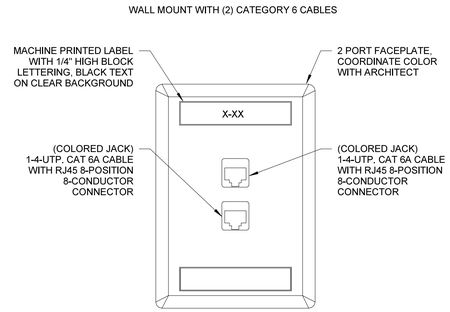
2 SS5.1 PATCH PANEL DETAIL
NTS



3 SS5.1 TYPICAL CONDUIT WALL PENETRATION FIRESTOPPING
NTS

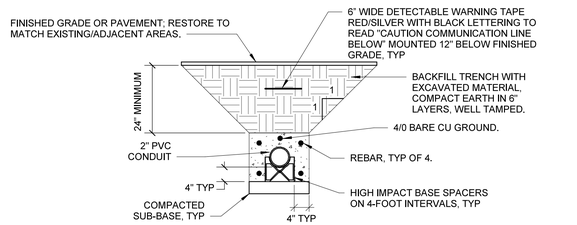


4 SS5.1 TYPICAL DATA/PHONE FACEPLATE TERMINATION
NTS



5 SS5.1 WALL STATION OUTLET - TWO PORTS
NTS

PLAN EXAMINER STAMP AREA:



NOTES:

1. CONCRETE TO HAVE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI & HAVE AN AIR-ENTRAINING ADMIXTURE. AIR CONTENT TO BE 6% +/- 1%.
2. MINIMUM 2.5" COVER AROUND AND BETWEEN CONDUITS, UON.
3. EC SHALL TAKE EXTREME CARE IN EXCAVATING AREA. HAND-DIG IF NECESSARY. MODIFY/RE-ROUTE DUCT BANK AS REQUIRED TO MINIMIZE CONFLICT WITH EXISTING SYSTEMS.
4. COORDINATE ALL CONDUIT ROUTING WITH EXISTING CONDITIONS AND ROADWAY CUTTING AND TRENCHING.
5. REBAR SHALL BE RUN FROM HANDHOLE ENTRY WINDOW TO 4-FT (MIN) AWAY FROM THE HANDHOLE.

6 SS5.1 TELECOM 1-WAY DUCTBANK
NTS

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
SPECIAL SYSTEMS DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. SS5.1
DATE 04/09/2026	
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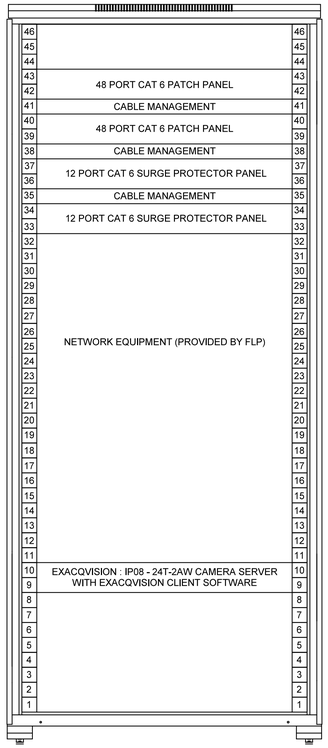
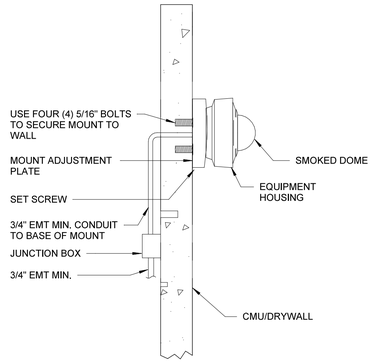
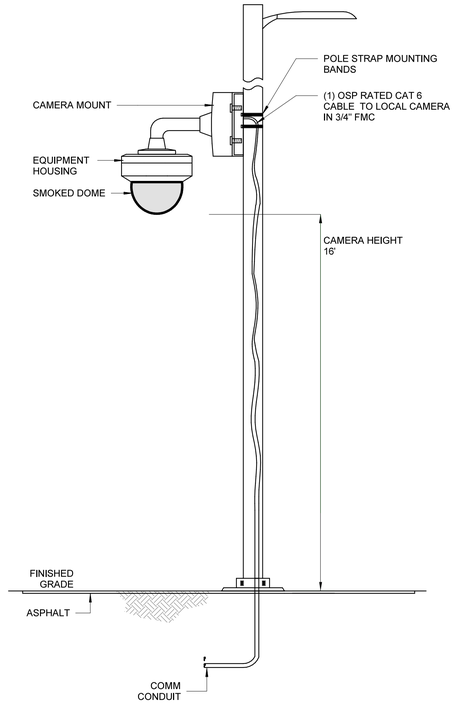


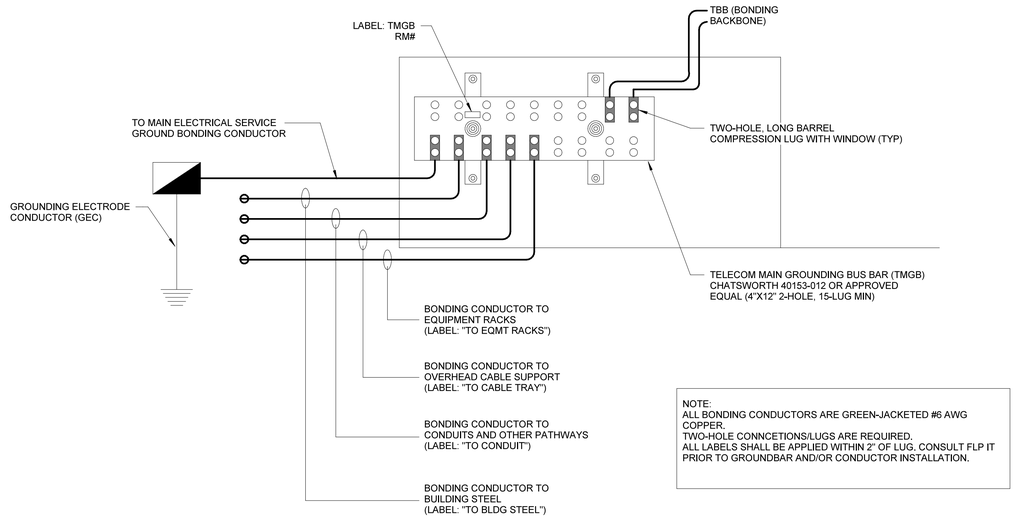
1 SS5.2 IT RACK - ELEVATION
NTS



2 SS5.2 SURFACE WALL MOUNT CAMERA DETAIL
NTS



3 SS5.2 POLE MOUNT CAMERA DETAIL
NTS



NOTE:
ALL BONDING CONDUCTORS ARE GREEN-JACKETED #6 AWG COPPER.
TWO-HOLE CONNCETIONS/LUGS ARE REQUIRED.
ALL LABELS SHALL BE APPLIED WITHIN 2" OF LUG. CONSULT FLP IT PRIOR TO GROUNDBAR AND/OR CONDUCTOR INSTALLATION.

4 SS5.2 TELECOMMUNICATIONS GROUNDING DETAIL
NTS

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER MANISH SHAH No. 58957

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
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PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
SPECIAL SYSTEMS DETAILS

PROJECT NO. (CITY | SMP) 52025-E-06-01 | 718.10	DRAWING NO. SS5.2
DATE 04/09/2026	
SCALE AS NOTED	
DRAWN BY SM	
CHECKED BY MS	REV.

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CCTV CAMERA SCHEDULE

CAMERA NUMBER	CAMERA DETAIL	CAMERA MODEL	TARGET AREA	COMM ROOM	MOUNTING HEIGHT
BASEMENT LEVEL					
FLP01	2	ILLUSTRA IFF08-D13-OIB4	MEDIUM MEETING (CHILDREN'S LUNCH) ROOM 003	IT 008	10' - 0"
FLP02	2	ILLUSTRA IFF08-D13-OIB4	CORRIDOR 001	IT 008	10' - 0"
FLP03	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	16' - 0"
FLP04	2	ILLUSTRA IFF08-D13-OIB4	CORRIDOR 001	IT 008	10' - 0"
FLP05	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	10' - 0"
FLP06	2	ILLUSTRA IFF08-D13-OIB4	LARGE MEETING ROOM 014	IT 008	10' - 0"
BASEMENT LEVEL: 6					
LEVEL 1					
FLP07	2	ILLUSTRA IFF08-D13-OIB4	TEEN SPACE/ADULT READING ROOM 107	IT 008	10' - 0"
FLP08	2	ILLUSTRA IFF08-D13-OIB4	ENTRY STAIR 112	IT 008	10' - 0"
FLP09	2	ILLUSTRA IFF08-D13-OIB4	ENTRY STAIR 112	IT 008	10' - 0"
FLP10	2	ILLUSTRA IFF08-D13-OIB4	CHILDREN'S READING ROOM 105	IT 008	10' - 0"
FLP11	2	ILLUSTRA IFF08-D13-OIB4	CHILDREN'S READING ROOM 105	IT 008	10' - 0"
FLP12	2	ILLUSTRA IFF08-D13-OIB4	CIRCULATION DESK 102	IT 008	10' - 0"
FLP13	2	ILLUSTRA IFF08-D13-OIB4	COMPUTERS 104	IT 008	10' - 0"
FLP14	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	16' - 0"
FLP15	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	16' - 0"
FLP16	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	16' - 0"
FLP17	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	16' - 0"
FLP18	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	16' - 0"
FLP19	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	16' - 0"
FLP20	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	16' - 0"
FLP21	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	16' - 0"
FLP22	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	16' - 0"
FLP23	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	16' - 0"
FLP24	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	16' - 0"
FLP25	2	ILLUSTRA IFF08-D13-OIB4	EXTERIOR	IT 008	16' - 0"
FLP26	3	AXIS P3818-PVE	PLAYGROUND POLE MOUNT	IT 008	16' - 0"
LEVEL 1: 20					
Grand total: 26					

PLAN EXAMINER STAMP AREA:

REVISIONS

ISSUE	DATE	REVISIONS

CONSTRUCTION DOCUMENTS

PROJECT COORDINATOR
REBUILD | CASSIE O'CONNELL

SEALS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL MANUEL SAMPAYO ENGINEER No. 58957

PROJECT TEAM

ARCHITECT:
SMP ARCHITECTS
1600 Walnut Street, 2nd Floor
Philadelphia, PA 19103
215 985 4410

MEP ENGINEER:
ARORA ENGINEERS
1600 Market Street, Suite 1630
Philadelphia, PA 19103
215 571 4930

STRUCTURAL ENGINEER:
KEAST & HOOD STRUCTURAL ENGINEERS
1635 Market Street, Suite 1705
Philadelphia, PA 19103
215 625 0099

CIVIL ENGINEER:
KS ENGINEERS, P.C.
530 Walnut Street, Suite 460
Philadelphia, PA 19106
215 925 0425

LANDSCAPE ARCHITECT:
GROUND RECONSIDERED
915 Spring Garden Street, Suite 403
Philadelphia, PA 19123
215 790 0727

CITY OF PHILADELPHIA
CAPTIAL PROGRAM OFFICE
1515 ARCH STREET
13TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MCPHERSON SQUARE LIBRARY RENOVATIONS AND PARK IMPROVEMENTS

DRAWING TITLE
SPECIAL SYSTEMS SCHEDULES

PROJECT NO. [CITY] [SMP]: 52025-E-06-01 | 718.10	DRAWING NO.: SS6.1
DATE: 04/09/2026	
SCALE: AS NOTED	
DRAWN BY: SM	
CHECKED BY: MS	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.