

**Attachment A -**  
**Contract Drawings**





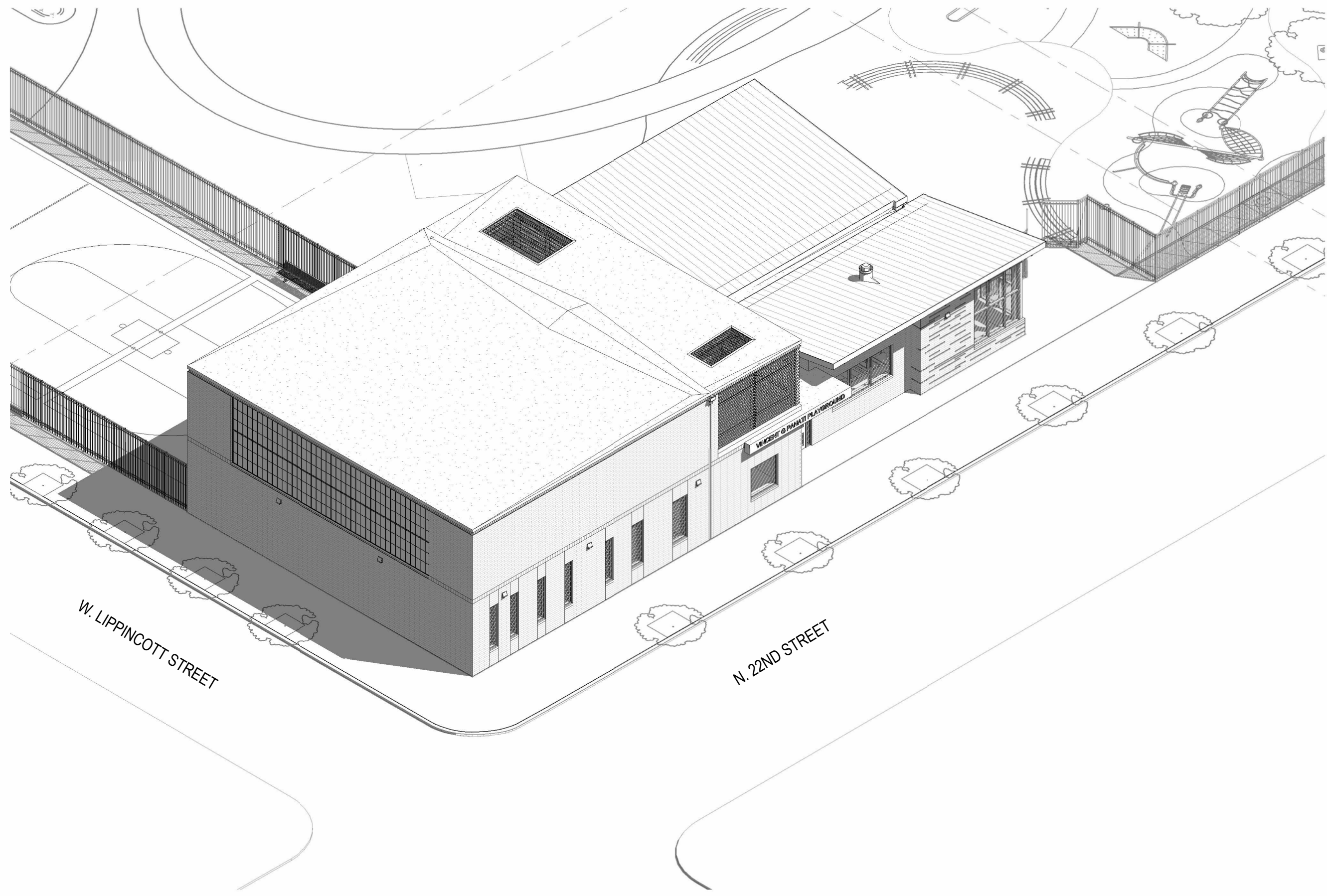


A

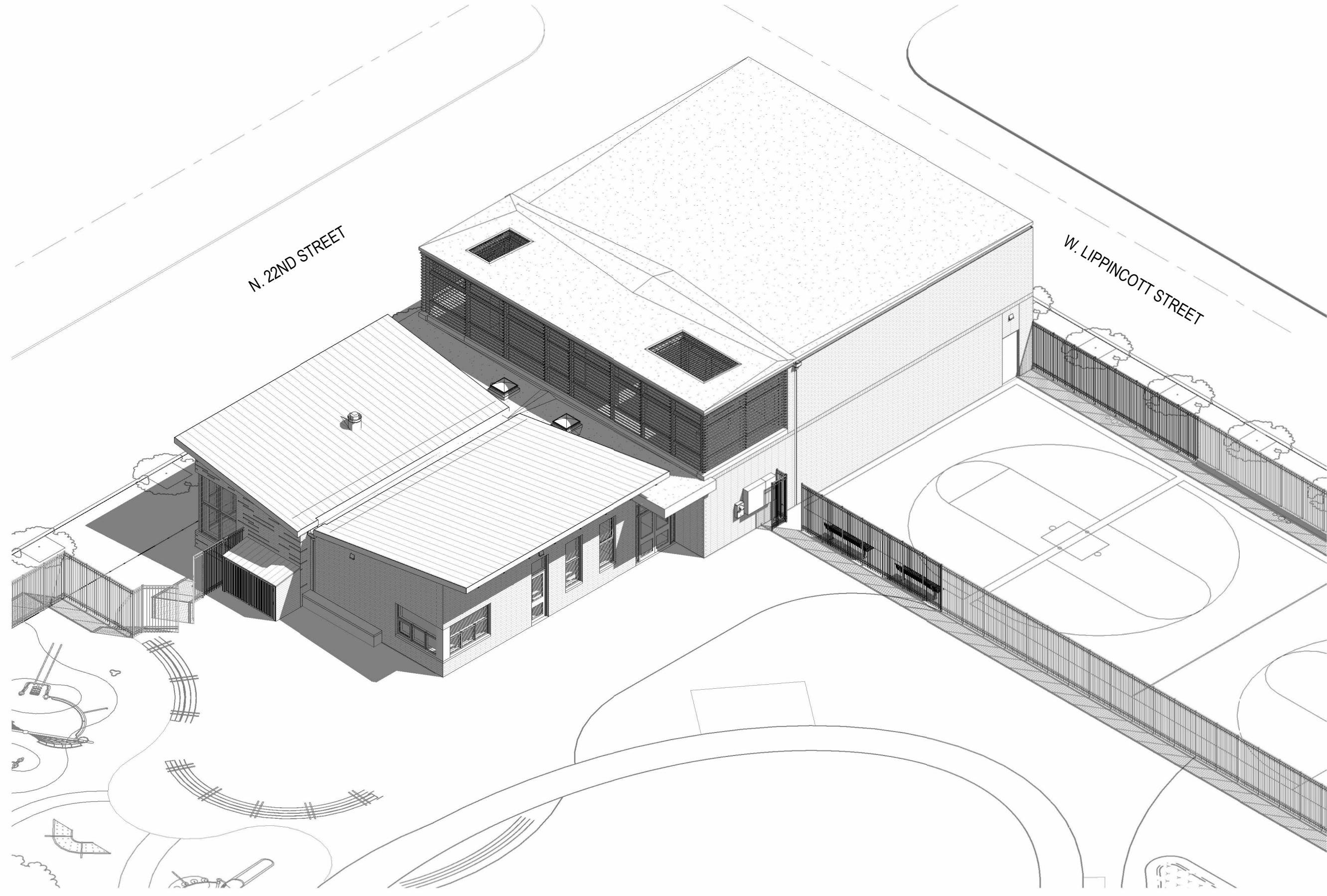
B

C

D



B2 VIEW FROM 22ND AND LIPPINCOTT



E2 VIEW FROM PLAYGROUND

KEYNOTES

KEY	DESCRIPTION
4.01	MASONRY VENEER
5.01	8" METAL CHANNEL
5.02	OPEN METAL GRATING
5.04	METAL DECKING @ SOFFIT
5.05	HSS 6X6 - SEE STRUCT DWGS
5.06	HSS 6X4 - SEE STRUCT DWGS
5.07	HSS 8X8 - SEE STRUCT DWGS
7.01	STANDING SEAM METAL ROOF
7.02	SCUPPER AND DOWNSPOUT
7.03	COMPOSITE FASCIA BOARD
7.04	MEMBRANE ROOF
7.07	CRICKET
7.08	SNOW CLEATS
8.01	SKYLIGHT
8.02	INTERIOR ALUMINUM STOREFRONT SYSTEM
8.04	ALUMINUM STOREFRONT ENTRY SYSTEM
8.05	ROOF ACCESS HATCH
8.06	ALUMINUM STOREFRONT WINDOW SYSTEM
8.08	TRANSLUCENT FIBERGLASS GLAZING
10.01	LOUVERS
10.04	RECESSED CLASS A FIRE EXTINGUISHER
10.05	RECESSED CLASS K FIRE EXTINGUISHER
10.06	WALL PADS
10.07	BACKSTOP SWITCH. COORDINATE WITH ELEC DWGS
11.03	CEILING MOUNTED BASKETBALL HOOP
11.04	KITCHEN HOOD EXHAUST FAN - SEE MEP & F.S. DWGS
12.02	TRASH ENCLOSURE
12.05	BENCH
22.01	DRINKING FOUNTAIN WITH BOTTLE FILLER
22.02	WALL HYDRANT - COORDINATE WITH PLUMBING DWGS
26.01	EXTERIOR WALL MOUNTED LIGHT FIXTURE
32.01	NEW FENCE TO MATCH EXISTING
32.02	NEW FENCE GATE TO MATCH EXISTING

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES, ORDINANCES AND REGULATIONS WHICH SHALL TAKE PRECEDENCE OVER THESE DRAWINGS.
- CONTRACTOR SHALL ACQUAINT HIMSELF WITH THE CONDITIONS OF THE WORK AT THE JOB SITE BEFORE PREPARING HIS PROPOSAL AND SHALL CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS BEFORE STARTING ANY OF THIS WORK.
- IT IS INTENDED THAT ALL WORK REQUIRED UNDER THIS CONTRACT SHALL BE COMPLETE AND OPERATIONAL IN ALL RESPECTS AND SHALL BE PERFORMED IN ACCORDANCE WITH THE BEST INDUSTRY STANDARDS AND TRADE PRACTICES.
- CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION TO PREVENT DAMAGE TO TREES, EQUIPMENT AND EXISTING AND NEW WORK WITHIN THE LIMITS OF THE CONTRACT. DO NOT SCALE DRAWINGS. USE DIMENSIONS GIVEN.
- IF AN ERROR OR DISCREPANCY IS FOUND IN THE DRAWINGS IT SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO PROCEEDING WITH THE WORK.
- ALL WORK DISTURBED BY THE OPERATIONS OF THIS CONTRACT SHALL BE PATCHED AND REINSTATED WITH WORK OF MATCHING MATERIALS AND QUALITY.
- "TYPICAL" MEANS TYPICAL FOR ALL SIMILAR CONDITIONS, UNLESS NOTED OTHERWISE.
- "SIMILAR" MEANS REFERENCED ITEM IS SIMILAR IN NATURE TO ACTUAL DETAIL, SECTION OR ELEVATION (i.e. OPPOSITE-HAND, REVERSE DIRECTION, ETC.).
- MANUFACTURER'S SUGGESTED INSTALLATION METHODS SHALL TAKE PRECEDENCE OVER METHODS AS DOCUMENTED WHERE A CONFLICT EXISTS. CONTRACTOR TO BRING TO THE ATTENTION OF THE ARCHITECT OR ENGINEER.
- INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON INFORMATION PROVIDED TO OR OBTAINED BY ARCHITECT INDICATING EXISTING CONDITIONS. ACTUAL FIELD CONDITIONS MAY VARY FROM THOSE INDICATED ON THE DRAWINGS. SHOULD ACTUAL CONDITIONS DIFFER SUBSTANTIALLY FROM THOSE INDICATED ON THE DRAWINGS OR FROM THOSE ORDINARILY ENCOUNTERED IN RENOVATION WORK OF THIS TYPE, PROMPTLY NOTIFY ARCHITECT BEFORE ANY OF THESE CONDITIONS ARE DISTURBED. FAILURE TO DO SO MAY WAIVE THE CONTRACTOR'S RIGHT TO ADDITIONAL TIME OR OTHER CONSIDERATION DUE TO SUCH CONDITIONS.
- BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND SHALL BE RESPONSIBLE FOR CORRECTNESS OF SAME. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND THE MEASUREMENTS INDICATED ON THE DRAWINGS. ANY DIFFERENCE WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION, BEFORE PROCEEDING WITH THE WORK.
- COORDINATE TRADES TO ENSURE TIMELY COMPLETION OF WORK.
- REMOVAL OF HAZARDOUS MATERIALS NOTED IN THESE DOCUMENTS SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS AND UNDER THE DIRECTION OF THE OWNER OR THE OWNER'S DESIGNATED ENVIRONMENTAL CONSULTANT.
- REMOVE ALL DEBRIS FROM SITE.
- IF THE DIGITAL FILES USED TO CREATE THE CONTRACT DOCUMENTS ARE ACQUIRED, THEY SHOULD BE USED FOR REFERENCE ONLY AND SHOULD NOT BE USED FOR FABRICATION OF BUILDING COMPONENTS, UNLESS AUTHORIZED BY THE PROJECT ARCHITECT IN WRITING.
- THESE DRAWINGS ARE THE SOLE PROPERTY OF THE ARCHITECT. THEY ARE PROVIDED TO THE OWNER AND CONTRACTOR FOR THEIR USE SOLELY WITH RESPECT TO THIS PROJECT.
- DEMOLISH AND REMOVE WORK AS INDICATED ON THE DRAWINGS AND AS REQUIRED TO ACCOMMODATE ALL NEW WORK. PERFORM DEMOLITION IN A SAFE, CAREFUL MANNER TO PREVENT ACCIDENTS AND PROPERTY DAMAGE. OPENINGS IN EXISTING CONSTRUCTION SHALL BE CUT NEAT AND CLEAN WITHOUT DISTURBING THE ADJOINING CONSTRUCTION. PROVIDE THE NECESSARY FRAMING, LINTELS, REINFORCEMENT, TEMPORARY SUPPORTS AND SHORING AS NEEDED TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE BUILDING.
- THE SUBMISSION OF PRICING SHALL BE EVIDENCE THAT THE CONTRACTOR HAS FULLY EVALUATED POTENTIAL PROBLEMS AND LATER ADDITIONAL COST CLAIMS FOR LABOR, EQUIPMENT, MATERIAL OR HARDSHIP WILL NOT BE CONSIDERED.
- MASONRY UNIT THICKNESSES ARE NOMINAL.

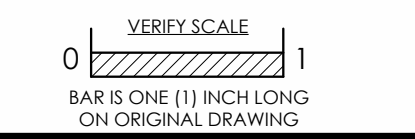
SHEET NO.	SHEET NAME	BID ISSUE DATE
<b>00 GENERAL</b>		
G000	COVER SHEET	02/05/2024
G001	AXONS, KEYNOTES, AND DRAWING LIST	02/05/2024
G005	ACCESSIBILITY ROOMS, MOUNTING HEIGHT DIAGRAMS	02/05/2024
G100	CODE REVIEW & EGRESS PLANS	02/05/2024
<b>01 CIVIL</b>		
C1.1	SITE PLAN	02/05/2024
C1.2	EXISTING CONDITIONS PLAN	02/05/2024
C1.3	UTILITY PLAN	02/05/2024
C1.4	EROSION & SEDIMENTATION CONTROL PLAN	02/05/2024
C1.5	EROSION & SEDIMENTATION CONTROL DETAILS	02/05/2024
C1.6	DETAILS	02/05/2024
C1.7	DETAILS	02/05/2024
<b>02 DEMOLITION</b>		
AD100	DEMOLITION PLAN	02/05/2024
<b>03 ARCHITECTURAL</b>		
A100	SITE PLAN	02/05/2024
A110	FLOOR PLAN	02/05/2024
A120	FLOOR PLAN	02/05/2024
A130	ROOF PLAN	02/05/2024
A210	REFLECTED CEILING PLANS	02/05/2024
A300	BUILDING ELEVATIONS	02/05/2024
A301	BUILDING ELEVATIONS	02/05/2024
A400	BUILDING SECTIONS	02/05/2024
A401	BUILDING SECTIONS	02/05/2024
A450	WALL SECTIONS	02/05/2024
A451	WALL SECTIONS	02/05/2024
A500	ENLARGED DWGS - PLANS + INT ELEVS	02/05/2024
A501	ENLARGED DWGS - PLANS + ELEVS	02/05/2024
A610	ENLARGED PLAN DETAILS	02/05/2024
A620	EXTERIOR AND INTERIOR DETAILS	02/05/2024
A621	WINDOW DETAILS	02/05/2024
A630	ROOF DETAILS	02/05/2024
A810	FINISH & FURNITURE PLAN	02/05/2024
A910	WINDOW SCHEDULES, TYPES	02/05/2024
A930	DOOR SCHEDULES, TYPES, DETAILS	02/05/2024
A940	INTERIOR SIGNAGE TYPES, SCHEDULE	02/05/2024
<b>04 STRUCTURAL</b>		
S1.1	FOUNDATION PLAN	02/05/2024
S1.2	MEZZANINE & LOW ROOF FRAMING PLAN	02/05/2024
S1.3	HIGH ROOF FRAMING PLAN	02/05/2024
S1.4	LINTEL PLAN	02/05/2024
S2.1	FOUNDATION DETAILS	02/05/2024
S2.2	FOUNDATION DETAILS	02/05/2024
S3.1	FRAMING DETAILS	02/05/2024
S3.2	FRAMING DETAILS	02/05/2024
S3.3	FRAMING DETAILS	02/05/2024
S4.1	GENERAL NOTES	02/05/2024
<b>05 MECHANICAL</b>		
H0.1	COVER SHEET	02/05/2024
H2.1	FLOOR PLAN	02/05/2024
H2.2	ROOF PLAN	02/05/2024
H7.1	DETAILS	02/05/2024
H8.1	SCHEDULES	02/05/2024
<b>06 ELECTRICAL</b>		
E0.1	COVER SHEET	02/05/2024
E0.2	ELECTRICAL NOTES	02/05/2024
E0.3	SITE PLAN - DEMOLITION	02/05/2024
E0.4	SITE PLAN - NEW	02/05/2024
E2.1	FLOOR PLAN - LIGHTING	02/05/2024
E3.1	FLOOR PLAN - POWER	02/05/2024
E4.1	FLOOR PLAN - LOW VOLTAGE	02/05/2024
E5.1	MEZZANINE PLANS	02/05/2024
E7.1	DETAILS	02/05/2024
E7.2	DETAILS	02/05/2024
E7.3	DETAILS	02/05/2024
E8.1	SCHEDULES	02/05/2024
<b>07 PLUMBING</b>		
P0.1	COVERSHEET	02/05/2024
P1.1	SITE PLAN	02/05/2024
P2.1	FLOOR PLAN - DRAINAGE	02/05/2024
P2.2	ROOF & MEZZANINE PLANS	02/05/2024
P3.1	FLOOR PLAN - SUPPLY	02/05/2024
P7.1	DETAILS	02/05/2024
P8.1	SCHEDULES	02/05/2024
<b>08 FOOD SERVICE</b>		
FS-1.0	FOOD SERVICE EQUIPMENT PLAN AND SCHEDULE	02/05/2024
FS-1.1	FOOD SERVICE ELECTRICAL PLAN AND SCHEDULE	02/05/2024
FS-1.2	FOOD SERVICE PLUMBING PLAN AND SCHEDULE	02/05/2024
FS-2.0	FOOD SERVICE EXHAUST HOOD DETAILS	02/05/2024
FS-2.1	FOOD SERVICE EXHAUST HOOD DETAILS	02/05/2024

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 ARCHITECTURE + PLANNING  
 1000 BROAD STREET, SUITE 200  
 PHILADELPHIA, PA 19102

**REBUILD - VINCENT G. PANATI**  
 PLAYGROUND  
 for  
 PPR/REBUILD PHILADELPHIA  
 3101-27 N 22ND ST., PHILADELPHIA PA 19132



No.	Date	By	Description

Date: 02/05/2024  
 Scale: 12" = 1'-0"  
 Job No. 604.2  
 Drawn: NB, KN    Appd.: cs

Sheet Title:  
 AXONS, KEYNOTES, AND  
 DRAWING LIST

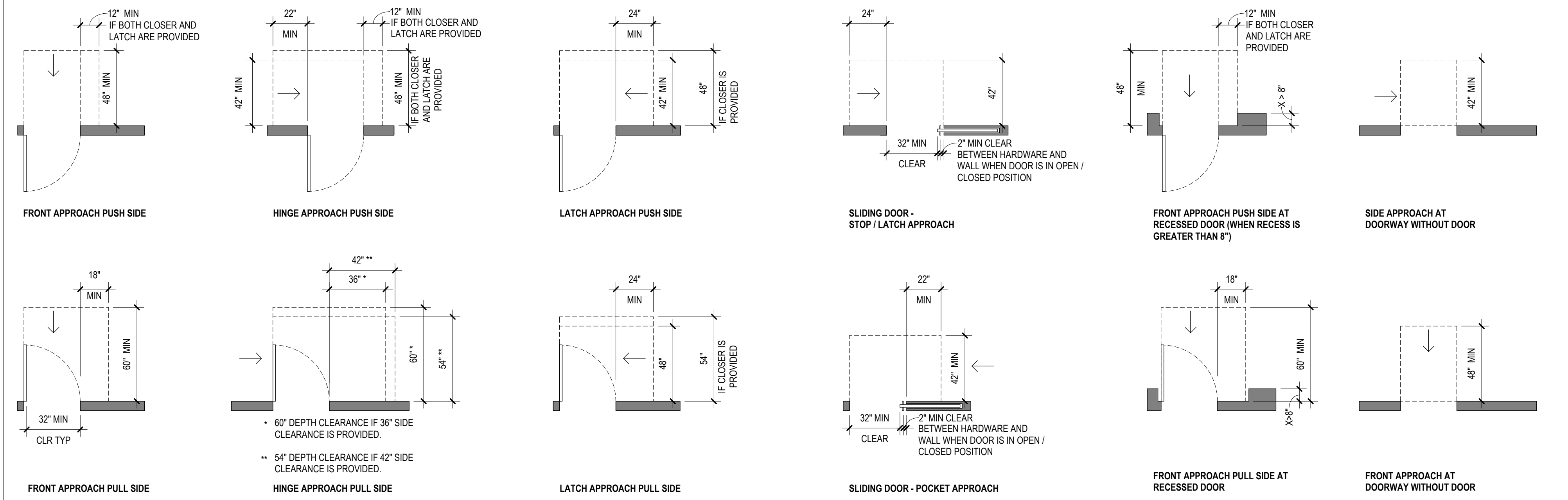
Sheet No.  
**G001**

NOT FOR CONSTRUCTION

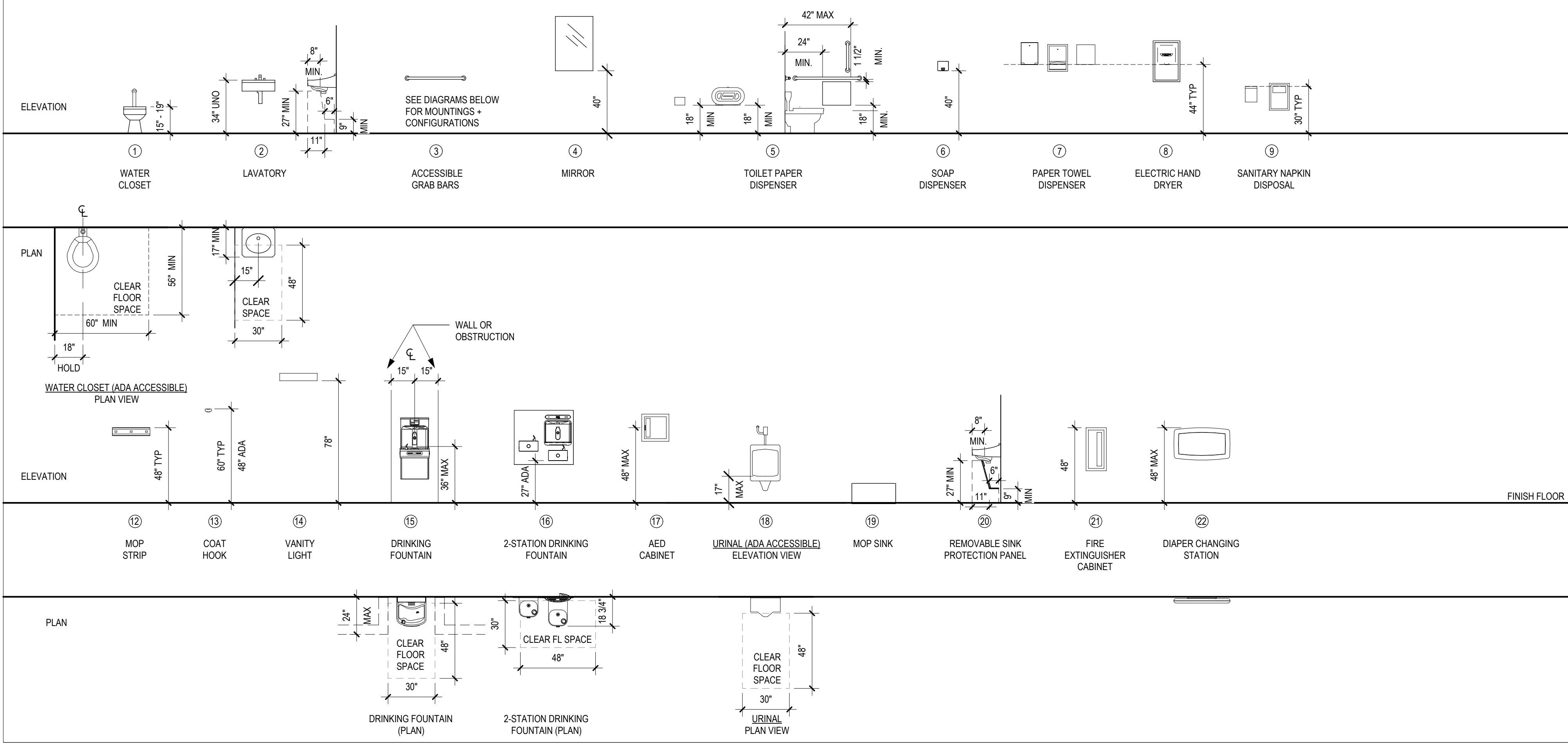


### MANEUVERING CLEARANCES AT DOORWAYS

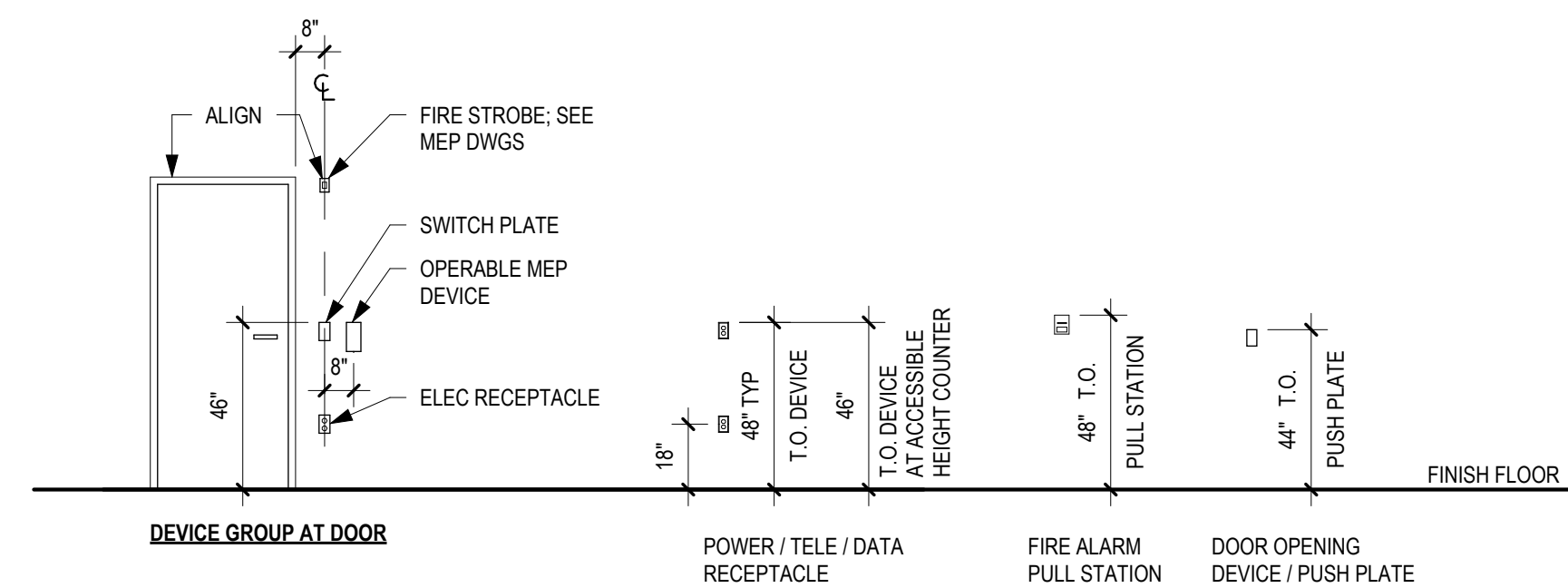
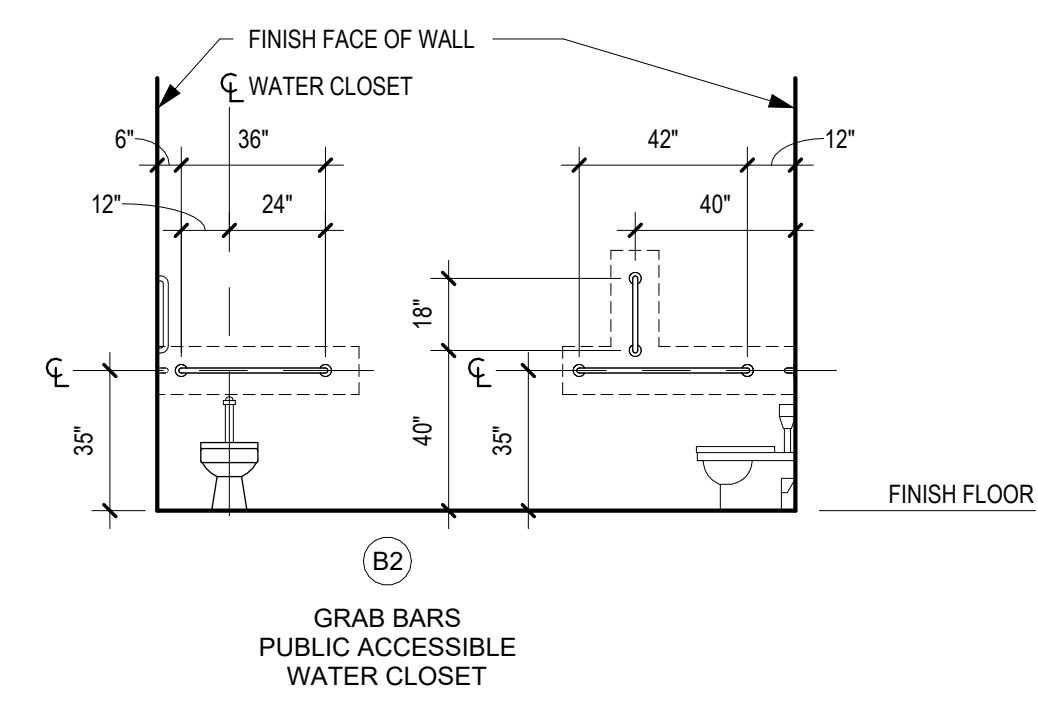
NOTE: FLOOR SLOPE WITHIN REQUIRED CLEARANCES NOT TO EXCEED 1:48



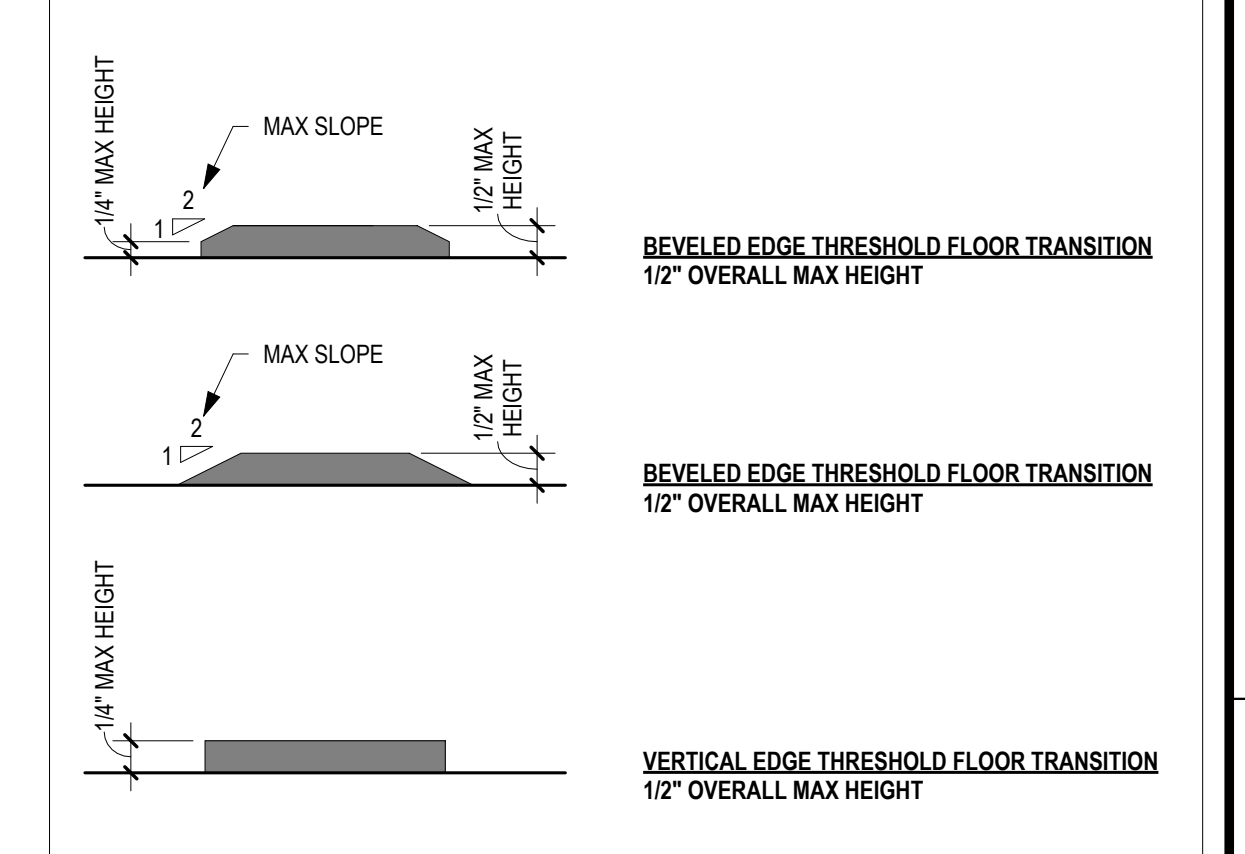
### MISC ACCESSORY MOUNTING HEIGHTS - PER ANSICC 117.1 2017



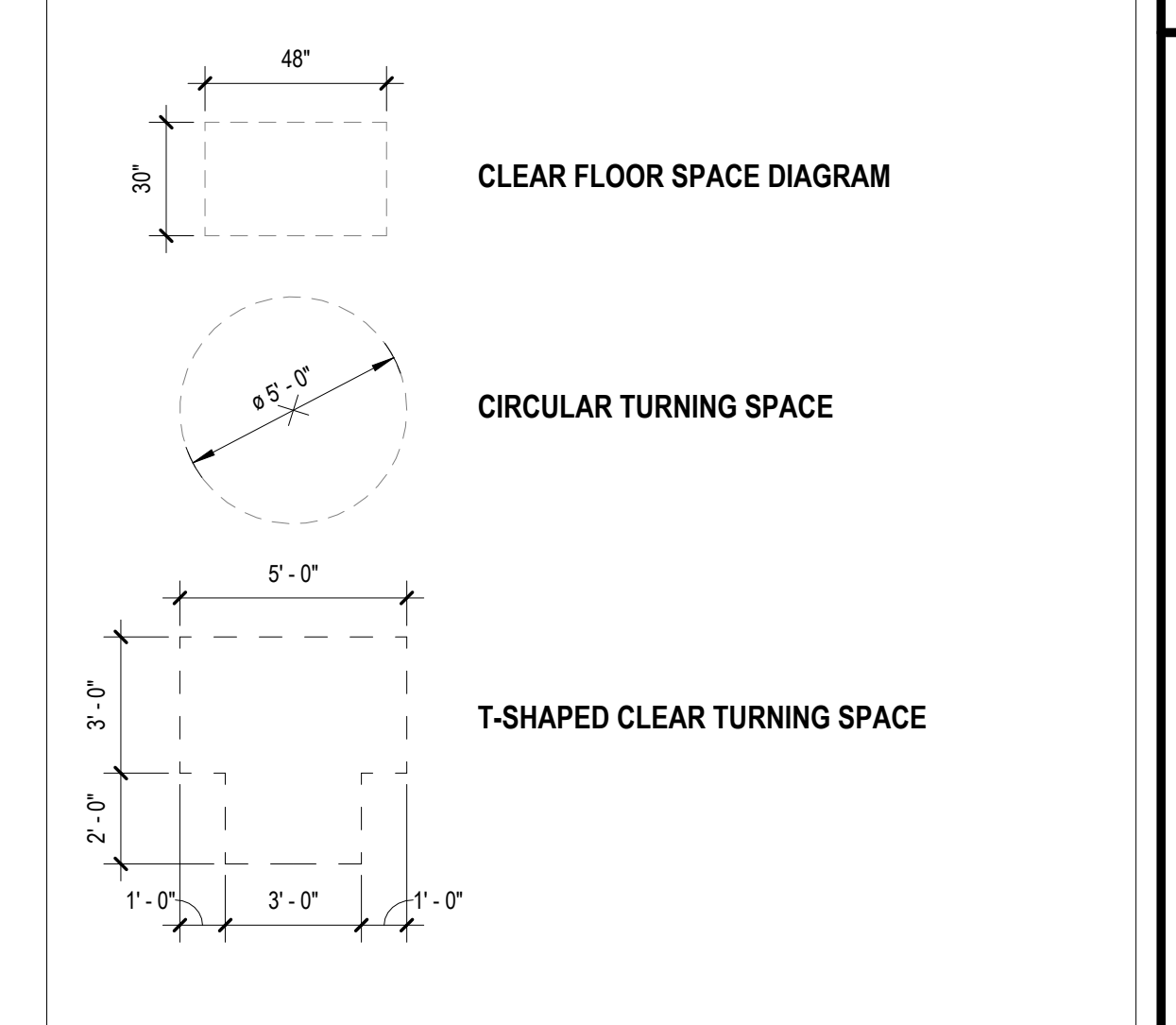
### WATER CLOSET GRAB BAR CONFIGURATIONS / MOUNTING HEIGHTS



### CHANGE IN FLOOR LEVEL / THRESHOLDS



### WHEELCHAIR CLEARANCE DIAGRAMS



### GENERAL NOTES

- ACCESSIBILITY CLEARANCES SHOWN HERE MEET OR EXCEED THE FOLLOWING STANDARDS: ANSICC 117.1 2017, AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG), UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS), AND FAIR HOUSING ACT (FHA).
- ANY DISCREPANCY BETWEEN THIS SHEET AND THE PROJECT DESIGN DOCUMENTS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY PRIOR TO STARTING WORK. NOT ALL CONDITIONS SHOWN HERE APPLY TO SPECIFIC PROJECTS; REFER TO DESIGN DOCUMENTS FOR PROJECT SPECIFIC INFORMATION.
- "HOLD" DIMENSIONS INDICATE EXACT MEASUREMENT; NO DEVIATION OR TOLERANCE IS ALLOWED.
- UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE FROM PARTITION FINISH FACE OR FINISH FLOOR, TYPICAL.
- DIMENSIONS SHOWN ARE FOR SPECIFIC TOILET ACCESSORIES SPECIFIED. ALTERNATE ACCESSORIES MUST CONFORM TO ACCESSIBILITY REQUIREMENTS.
- PROVIDE BLOCKING AT ALL LOCATIONS FOR ACCESSORIES, GRAB BARS AND FUTURE GRAB BARS.
- PROVIDE PIPE / TRAP INSULATION AT ALL ACCESSIBLE LAVATORIES AND WALL-HUNG LAVATORIES.
- REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURES SCHEDULE.
- VANITY LAVATORIES TO RECEIVE INTEGRAL BACKSPLASH AND SIDESPLASH AT ALL ADJACENT WALLS.
- PROVIDE ACCESSIBLE BATH ACCESSORIES ONLY AT ACCESSIBLE BATHROOMS AND ADAPTABLE BATHROOMS; REFER TO FLOOR PLANS FOR LOCATIONS.
- INSTALL SCHEDULED FLOORING UNDER WALL-HUNG LAVATORIES AND REMOVABLE BASE CABINETS.

### LEGEND

DESIGNATES LOCATION OF CONCEALED BLOCKING IN PARTITION

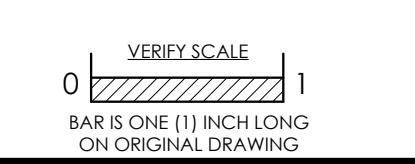
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 PLAYGROUND  
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 3101-27 N 22ND ST., PHILADELPHIA PA 19132



No.	Date	By	Description

Date: 02/05/2024  
 Scale: As indicated  
 Job No.: 604.2  
 Drawn: NB, KN    Appd.: cs

Sheet Title:  
**ACCESSIBILITY ROOMNTS,  
 MOUNTING HEIGHT  
 DIAGRAMS**

Sheet No.  
**G005**

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APPLICABLE CODES	
CITY OF PHILADELPHIA ZONING CODE 2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL FIRE CODE 2018 INTERNATIONAL PLUMBING CODE 2017 NATIONAL ELECTRICAL CODE 2018 INTERNATIONAL ENERGY CODE AMERICANS WITH DISABILITIES ACT, TITLE II ICC/ANSI A117.1-2017	
CITY OF PHILADELPHIA ZONING CODE	
ZONING DISTRICT:	SP-PO-A (RECREATION)
FIRE DISTRICT:	CITY OF PHILADELPHIA
MAX BUILDING HEIGHT:	38 FT
INTERNATIONAL BUILDING CODE (2018)	
PROPOSED OCCUPANCY USE/GROUP:	ASSEMBLY GROUP "A-3" (RECREATION)
PROPOSED CONSTRUCTION TYPE:	II-B - NONSPRINKLERED, NON-COMBUSTIBLE
ALLOWABLE BUILDING HEIGHT AND AREA:	55 FT / 2-STORIES / 9,500 GSF
FIRE RESISTANCE REQUIREMENTS, TYPE II-B - NONSPRINKLERED, NON-COMBUSTIBLE	
PRIMARY STRUCTURE FRAME:	0 HR
BEARING WALL, EXT.:	0 HR
BEARING WALLS, INT.:	0 HR
BEARING WALLS, EXT. LESS THAN 10 FT FSD:	0 HR
NONBEARING WALLS, INT.:	0 HR
FLOOR CONSTR. + SECONDARY MEMBERS:	0 HR
ROOF CONSTR. + SECONDARY MEMBERS:	0 HR
FIRE SEPARATION REQUIREMENTS	
BETWEEN GROUP "A" & GROUP "E"	NONE REQUIRED
BETWEEN GROUP "A" & GROUP "B"	NONE REQUIRED

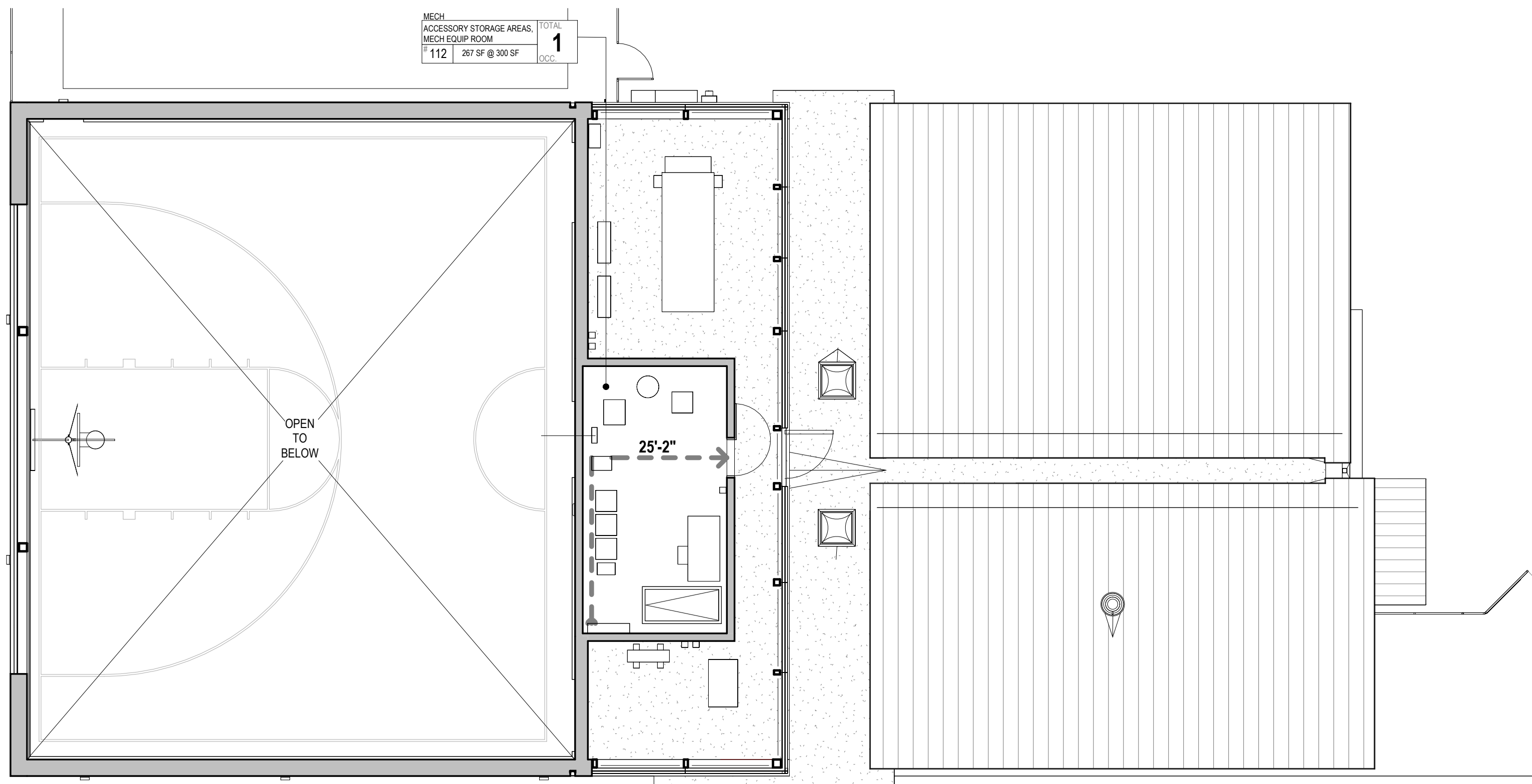
OCCUPANT LOAD TABULAR						
NAME	AREA	CLASSIFICATION	FUNCTION OF SPACE	LOAD FACTOR	NET/GROSS	LOAD
MULTIPURPOSE ROOM	787 SF	A-3 (ASSEMBLY)	ASSEMBLY: UNCONCENTRATED (TABLES AND CHAIRS)	15 SF	NET	53
CLOSET	29 SF	A-3 (ASSEMBLY)	ACCESSORY STORAGE AREAS, MECH EQUIP RM	300 SF	GROSS	1
MAKER SPACE	342 SF	E (EDUCATION)	EDUCATIONAL: SHOPS & OTHER VOCATIONAL RM AREAS	50 SF	NET	7
COMMUNITY KITCHEN	268 SF	E (EDUCATION)	EDUCATIONAL: SHOPS & OTHER VOCATIONAL RM AREAS	50 SF	GROSS	6
OFFICE + CLOSET	199 SF	B (BUSINESS)	BUSINESS AREAS	100 SF	GROSS	2
GYM	2467 SF	A-3 (ASSEMBLY)	EXERCISE ROOMS	50 SF	GROSS	50
GENERAL STORAGE	37 SF	A-3 (ASSEMBLY)	ACCESSORY STORAGE AREAS, MECH EQUIP RM	300 SF	GROSS	1
JANITOR CLOSET	20 SF	A-3 (ASSEMBLY)	ACCESSORY STORAGE AREAS, MECH EQUIP RM	300 SF	GROSS	1
MECH MEZZANINE	267 SF	A-3 (ASSEMBLY)	ACCESSORY STORAGE AREAS, MECH EQUIP RM	300 SF	GROSS	1
MECH	25 SF	A-3 (ASSEMBLY)	ACCESSORY STORAGE AREAS, MECH EQUIP RM	300 SF	GROSS	1
TOTAL SPACES: 10						TOTAL OCCUPANCY: 123

PLUMBING FIXTURE REQUIREMENTS						
TOTAL OCCUPANTS:	123		(62) MEN (62) WOMEN			
	REQUIRED	PROPOSED	REQUIRED	PROPOSED	ALL-GENDER	
	MEN	WOMEN	MEN	WOMEN		
WATER CLOSETS:	1	4	2	3		1
LAVATORIES:	2	2	2	2		1
URINALS (SUBST. FOR WC):	1	N/A	1			
DRINKING FOUNTAINS:		2		2		
SERVICE SINK:		1		1		

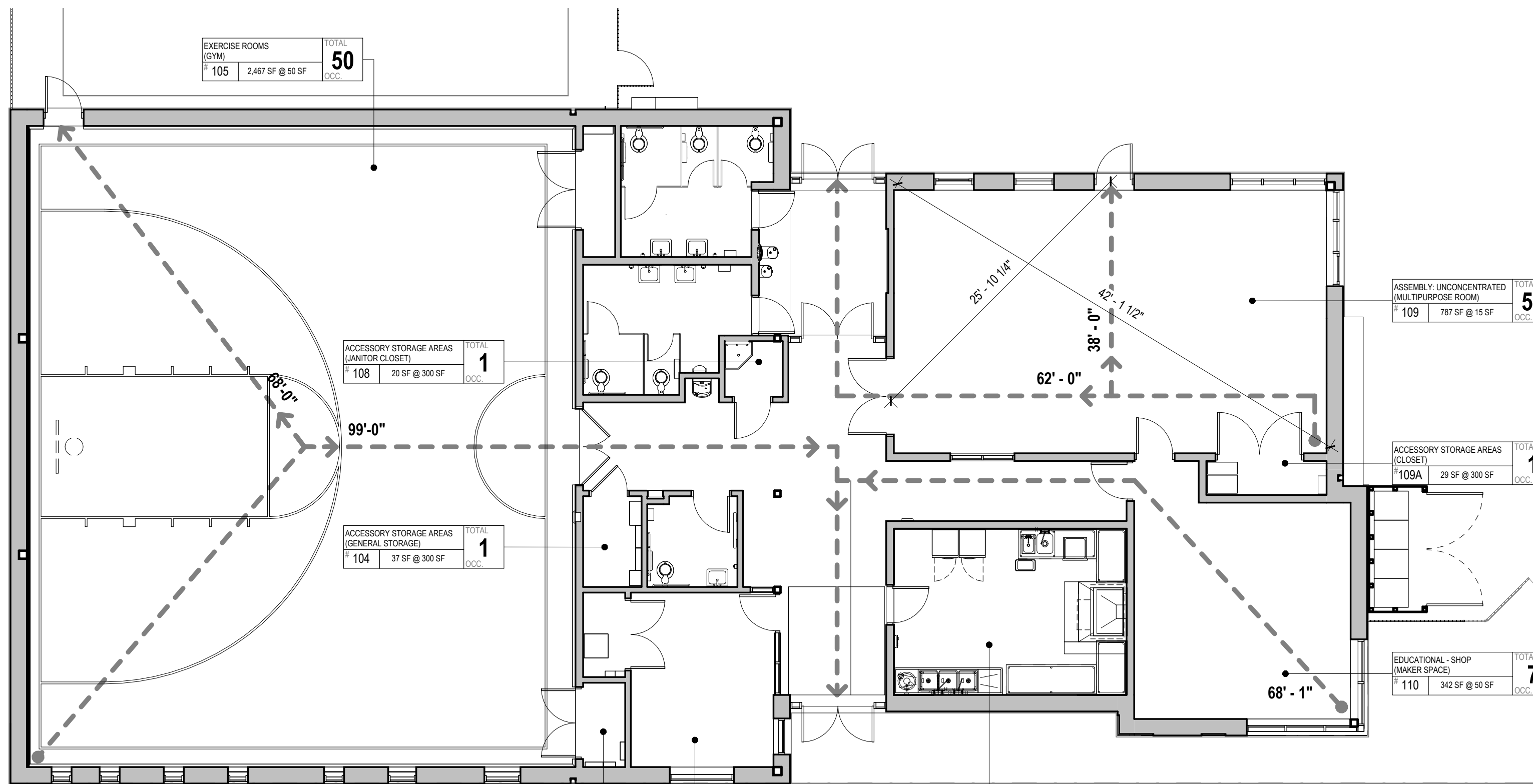
BUILDING AREA					
LEVEL	AREA	USES	EGRESS STAIR	# OF EXITS	# OF OCCUPANTS
LEVEL 1	5775	A-3, E, B	-	2 MIN	123

ENERGY CODE (IECC 2018)			
OPAQUE THERMAL ENVELOPE INSULATION COMPONENT MIN REQUIREMENTS, R-VALUE METHOD			
CLIMATE ZONE: 4A	REQUIREMENTS	PROVIDED	NOTES
ROOF INSULATION - ABOVE DECK	R-30 CI		
WALLS ABOVE GRADE - MASS - FRAMED	R-9.5 CI R-13 + R-3.8 CI OR R-20	R-20 CI R-21 CAVITY	@ MECH MEZZ
WALLS BELOW GRADE	R-7.5 CI	R-10 CI	
FLOORS - JOIST / FRAMING	R-30	R-30 MIN	@ MECH MEZZ
SLAB-ON-GRADE FLOORS - UNHEATED SLAB	R-10 FOR 24" BELOW	R-7.5	

BLDG ENVELOPE FENESTRATION MAX U-FACTOR AND SHGC REQUIREMENTS		
CLIMATE ZONE: 4A	REQUIREMENTS	PROVIDED
U-FACTOR		
FIXED FENESTRATION	0.38	0.38
OPERABLE FENESTRATION	0.45	0.45
ENTRANCE DOORS	0.77	0.77
SKYLIGHT	0.50	0.50
SHGC		
ORIENTATION	SEW N	
PF < 0.2	0.36 0.48	0.36
0.2 ≤ PF < 0.5	0.43 0.53	0.43
PF ≥ 0.5	0.58 0.58	0.58
SKYLIGHT	0.40 0.40	0.40



B3 MECH MEZZANINE  
1/8" = 1'-0"



E3 FIRST FLOOR  
1/8" = 1'-0"

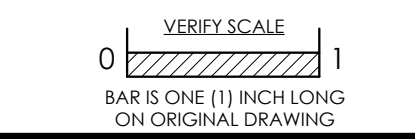
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Date: 02/05/2024  
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Job No.: 604.2  
Drawn: NB, KN | Appd.: cs

Sheet Title:  
CODE REVIEW & EGRESS PLANS

Sheet No.  
**G100**

NOT FOR CONSTRUCTION

A

B

C

D

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Table with 3 columns: NO, BY, DESCRIPTION. Includes a section for REVISIONS.

PENNSYLVANIA ONE CALL SYSTEM, INC.  
923 Irwin Road  
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15122-1078

811  
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J.B. ANDERSON  
PROFESSIONAL ENGINEER  
P.E. License No. PE 13483  
PENNSYLVANIA LICENSE No. PE 105536  
MARYLAND LICENSE No. 20113  
NEW JERSEY LICENSE No. 24668250400  
VIRGINIA LICENSE No. 680184252

PROJECT LOCATION

CONSTRUCTION DOCUMENTS FOR REBUILD - VINCENT G. PANATI PLAYGROUND

3101-27 N. 22ND STREET W. LIPPINCOTT & N. 22ND STREETS CITY OF PHILADELPHIA PENNSYLVANIA, 19132

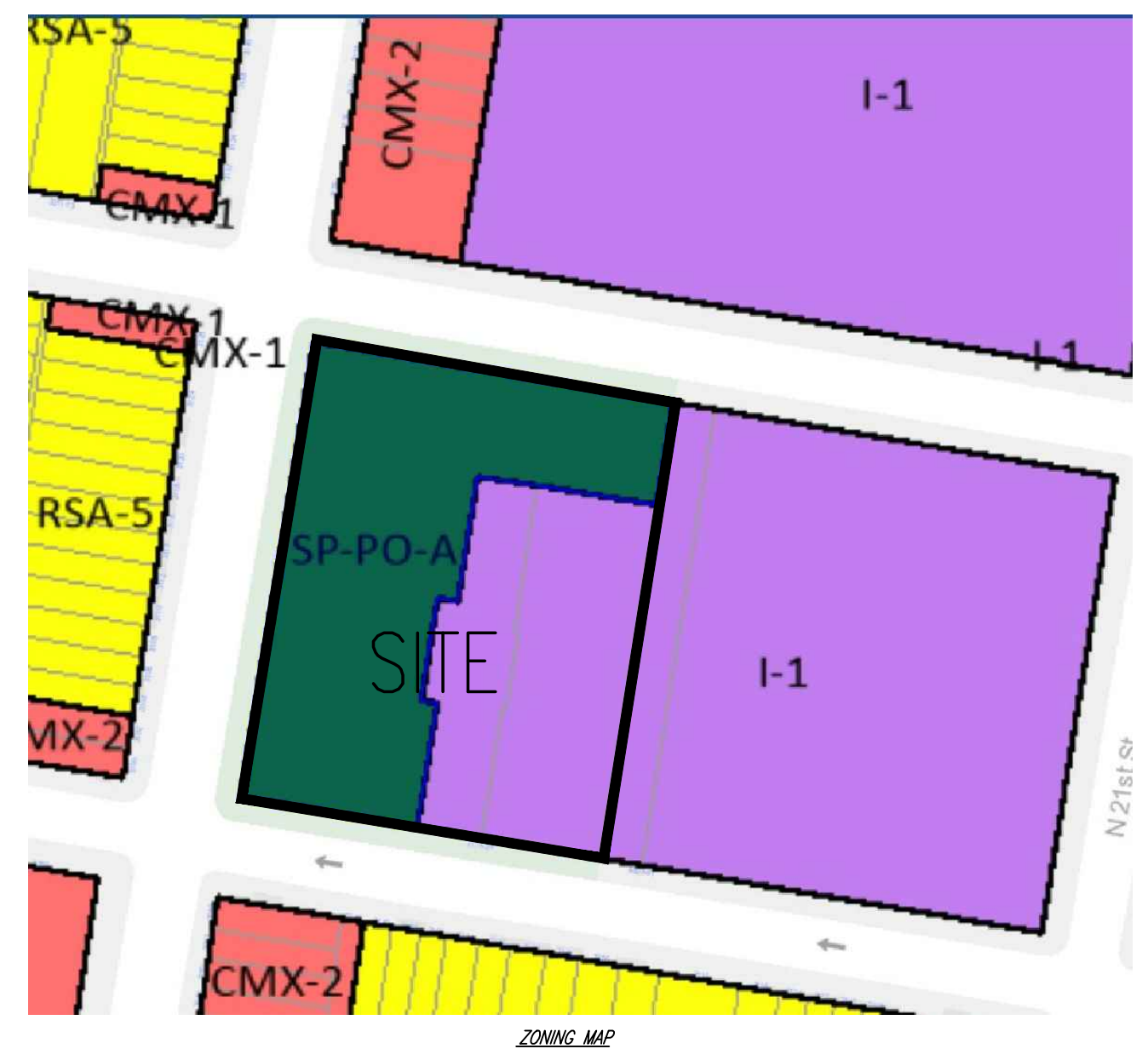
PREPARED FOR: CITY OF PHILADELPHIA

TITLE

SITE PLAN

Table with 3 columns: PROJ. #, DATE, DRN BY. Includes fields for SCALE, AS NOTED, CHK BY, and JBA.

C1.1 REVISION 0



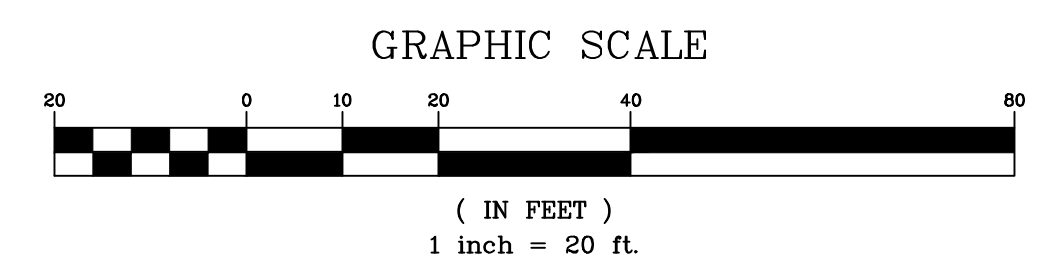
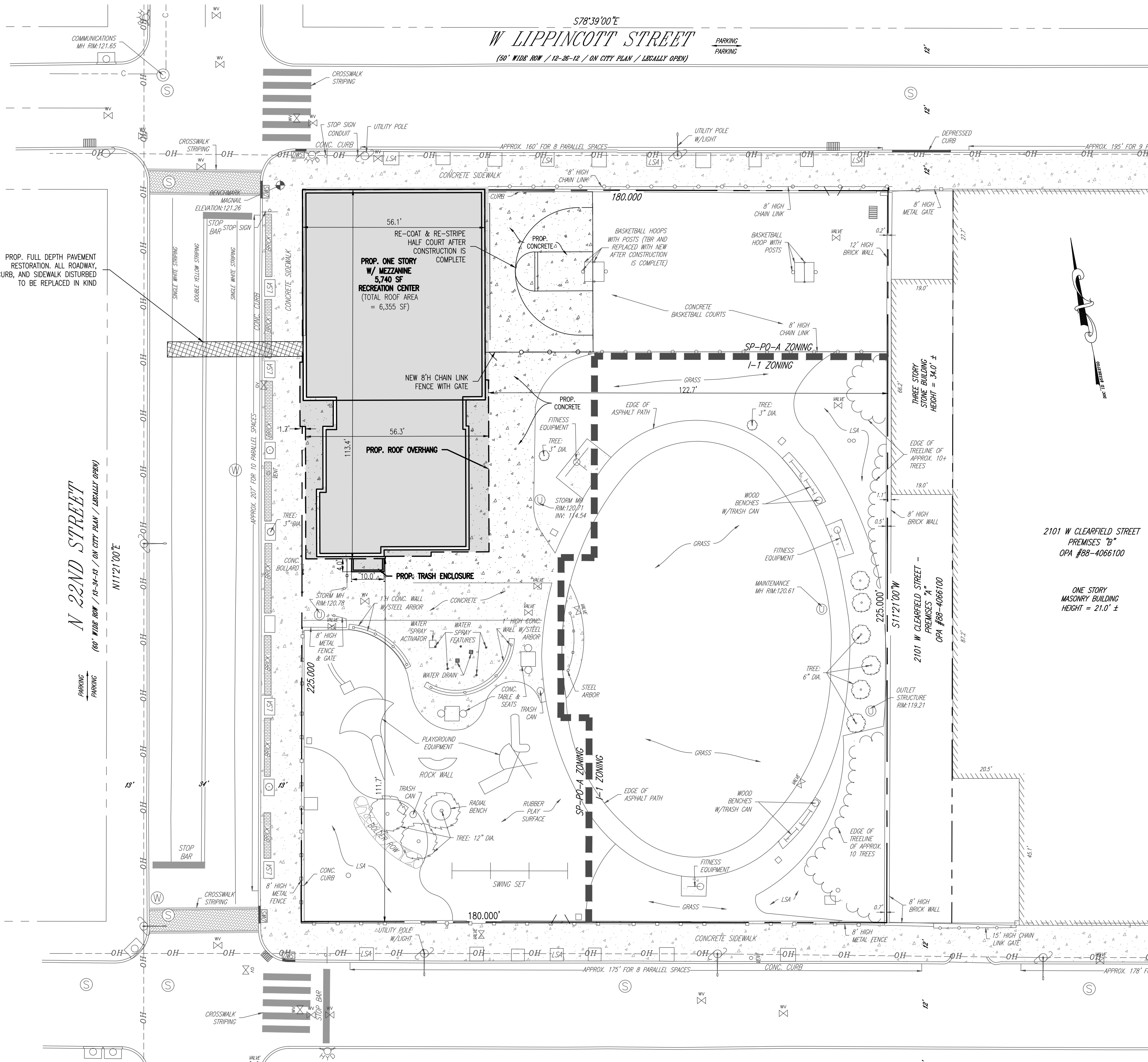
FOR THE CONSOLIDATED PARCEL: 16,281 SF OR 40.2% OF THE LOT IS ZONED I-1, LIGHT INDUSTRIAL. 24,219 SF OR 59.8% OF THE LOT IS ZONED SP-PO-A, ACTIVE PARKS AND OPEN SPACE (SPECIAL PURPOSE). ALL PROPOSED IMPROVEMENTS ARE LOCATED WITHIN THE SP-PO-A ZONING DISTRICT.

LANDSCAPE ZONING CODE COMPLIANCE CHART

1. SECTION 14-705(1)(d) - LANDSCAPING BETWEEN DIFFERENT ZONING DISTRICTS - N/A AS THE ABUTTING LOT IS NOT ZONED RESIDENTIAL
2. SECTION 14-705(1)(c) - YARD TREES - 1 TREE PER 1,600 SF OF OPEN SPACE. REQ'D = (34,145 SF OF OPEN SPACE / 1,600 SF) = 21.3 TREES. THERE ARE OVER 30 TREES EXISTING ON SITE.
3. SECTION 14-705(1)(i) - PRESERVATION OF HERITAGE TREES - NO TREES ARE PROPOSED TO BE REMOVED WITH THE PROPOSED CONSTRUCTION

GENERAL NOTES:

- 1. THIS PLAN REFERENCES CORNERSTONE CONSULTING ENGINEERING & ARCHITECTURAL, INC. 213 W. MAIN STREET, SUITE 201, LANSDALE, PA 19446. PLAN ENTITLED: "BOUNDARY & TOPOGRAPHIC SURVEY". PLAN DATED: 8/24/2023.
- 2. OWNER/APPLICANT: CITY OF PHILADELPHIA, 1515 ARCH STREET, 10TH FLOOR, PHILADELPHIA PA 19102. CONTACT: APARNA PALANTINO, DEPUTY COMMISSIONER OF CAPITOL INFRASTRUCTURE. PHONE: 215-683-0200. E-MAIL: Aparna.Palantino@phila.gov
- 3. PROJECT LOCATION: 3101-27 N. 22ND STREET (OPA #78-5734200). 2119-29 W. CLEARFIELD STREET (OPA #88-5927460). \*PROPOSED LOT CONSOLIDATION
- 4. ZONING INFORMATION: ZONING DISTRICTS: SP-PO-A, ACTIVE PARKS AND OPEN SPACE & I-1 LIGHT INDUSTRIAL. EXISTING USE: COMMUNITY CENTER WITH PLAYGROUND, BASKETBALL COURT, ETC. PROPOSED USE: COMMUNITY CENTER WITH PLAYGROUND, BASKETBALL COURT, ETC.
- 5. ZONING BULK AND AREA REQUIREMENTS: Table with columns for SP-PO-A, RSA-5, I-1, and PROPOSED. Includes rows for MIN. LOT WIDTH, MIN. LOT AREA, MAX OCCUPIED AREA, FRONT YARD DEPTH, MIN. SIDE YARD WIDTH, MIN. REAR YARD DEPTH, MAX. BUILDING HEIGHT, and MAX. FLOOR AREA.
- 6. RSA-5 NOTES: (2) IN THE RSA-5 DISTRICT, A LOT CONTAINING AT LEAST 1,600 SQ. FT. OF LAND MAY BE DIVIDED INTO LOTS WITH A MINIMUM LOT SIZE OF 800 SQ. FT., PROVIDED THAT: (A) AT LEAST SEVENTY-FIVE PERCENT (75%) OF LOTS ADJACENT TO THE LOT TO BE DIVIDED IS 1,000 SQ. FT. OR LESS; (B) EACH OF THE LOTS CREATED IS USED FOR ONE SINGLE-FAMILY ATTACHED HOME; AND (C) EACH OF THE LOTS CREATED MEETS THE MINIMUM LOT WIDTH REQUIREMENT OF THE ZONING DISTRICT. (3) IN THE RSA-5 AND RSA-6 DISTRICTS, BUILDINGS ON LOTS EQUAL TO OR LESS THAN 45 FT. IN DEPTH ARE EXEMPT FROM THE MAXIMUM OCCUPIED AREA REQUIREMENT, 562 (4) IF ABUTTING LOTS ON BOTH SIDES OF AN ATTACHED BUILDING CONTAIN ONLY TWO STORIES OF ENCLOSED AREA, THE STORES ABOVE THE SECOND STORY OF THE ATTACHED BUILDING SHALL BE SET BACK AN ADDITIONAL EIGHT FT. FROM THE MINIMUM DISTANCE BETWEEN THE FRONT FACADES AND THE FRONT LOT LINE REQUIRED BY 8 14-701(2)(b)(5) BELOW, EXCEPT THIS REQUIREMENT SHALL NOT APPLY TO CORNER LOTS. (5) IN THE RSA-5 DISTRICT, FRONT FACADES SHALL COMPLY WITH THE FOLLOWING: (A) ON ANY GIVEN STREET, THE DISTANCE BETWEEN THE FRONT FACADE AND THE FRONT LOT LINE SHALL BE NO GREATER THAN THE DISTANCE BETWEEN THE FRONT FACADE AND THE FRONT LOT LINE OF THE IMMEDIATELY ADJACENT LOT ON SUCH STREET WITH THE GREATER DISTANCE BETWEEN ITS FRONT FACADE AND ITS FRONT LOT LINE, AND SHALL BE NO LESS THAN THE DISTANCE BETWEEN THE FRONT FACADE AND THE FRONT LOT LINE OF THE PRINCIPAL BUILDING ON THE IMMEDIATELY ADJACENT LOT ON SUCH STREET WITH THE LESSER DISTANCE BETWEEN ITS FRONT FACADE AND ITS FRONT LOT LINE. (B) ON ANY GIVEN STREET, IF THERE IS NO PRINCIPAL BUILDING ON AN IMMEDIATELY ADJACENT LOT, THEN THE DISTANCE BETWEEN THE FRONT FACADE AND THE FRONT LOT LINE SHALL MATCH THE DISTANCE BETWEEN THE FRONT FACADE AND THE FRONT LOT LINE ON THE CLOSEST BUILDING TO THE SUBJECT PROPERTY THAT IS ON THE SAME BLOCKFACE. IF THERE IS NO SUCH BUILDING, THE MINIMUM DISTANCE BETWEEN THE FRONT FACADE AND THE FRONT LOT LINE SHALL BE ZERO. (C) IF THE PROPERTY IS BOUNDED BY TWO OR MORE STREETS, ONLY THE PRIMARY FRONTAGES AS DESIGNATED IN 8 14-701(1)(d)(4) (PRIMARY FRONTAGE) SHALL BE SUBJECT TO THE FRONT FACADE REQUIREMENTS OF (A) AND (B) ABOVE. 565. (7) IN THE RSA-5 DISTRICT, THE MINIMUM REAR YARD DEPTH FOR LOTS EQUAL TO OR LESS THAN 45 FT. IN DEPTH SHALL BE 7 FT.
- 7. NO PARKING IS PROPOSED.
- 8. NO BICYCLE PARKING IS REQUIRED AS THE GFA IS LESS THAN 7,500 SF.
- 9. THIS PLAN IS TO BE USED FOR GRAPHICAL REPRESENTATION OF THE PHYSICAL FEATURES OF THE PROPERTY AND NOT TO BE USED FOR CONSTRUCTION. THE BUILDING FOOTPRINT IS CONCEPTUAL ONLY AND ESTABLISHES A BUILDING ENVELOPE IN WHICH THE FINAL BUILDING FOOTPRINT WILL BE DETERMINED AT THE TIME OF BUILDING PERMIT ISSUANCE AND SHALL BE GENERALLY AS CONFIGURED ON THE PLAN WITH AN OVERALL SQUARE FOOTAGE NOT TO EXCEED THE TOTAL SHOWN ON THE APPROVED PLAN.
- 10. THE WORD "CERTIFY" OR "CERTIFICATE" AS SHOWN AND USED HEREON MEANS AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THE FACTS OF THIS PLAN AND REFERENCED SURVEY AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED.
- 11. THE DRAWING IS PREPARED BY CORNERSTONE CONSULTING ENGINEERS AND ARCHITECTURAL, INC. AND NO PART OF THIS DRAWING MAY BE REPRODUCED BY PHOTOCOPIING, RECORDING OR BY ANY OTHER MEANS, OR STORED, PROCESSED, OR TRANSMITTED IN OR BY ANY COMPUTER OR OTHER SYSTEMS WITHOUT THE PRIOR WRITTEN PERMISSION OF THE SURVEYOR, ENGINEER, ARCHITECT, OR DESIGN PROFESSIONAL. COPIES OF THIS PLAN WITHOUT A RAISED IMPRESSION OR COLOR SEAL ARE NOT VALID.
- 12. BY GRAPHICAL PLOTTING ONLY THIS PROPERTY IS LOCATED IN FEMA FLOOD MAP - OTHER AREAS/ ZONE X, PER MAP ENTITLED "FIRM, FLOOD INSURANCE RATE MAP, PHILADELPHIA COUNTY, PENNSYLVANIA (ALL JURISDICTIONS)", MAP NUMBER 4207570095G, EFFECTIVE JANUARY 17, 2007.
- 13. THE APPLICANT IS PROPOSING TO CONSTRUCT A 1-STORY WITH MEZZANINE LEVEL, COMMUNITY CENTER ALONG WITH ASSOCIATED SITE IMPROVEMENTS.
- 14. THE WATERSHED FOR THE SITE IS THE SCHUYLKILL RIVER.
- 15. LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. ALL LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS SUPPLIED THROUGH THE PA ONE CALL SYSTEM WHICH WERE AVAILABLE AT THE TIME OF THE SURVEY. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES.
- 16. THE ENTIRE SITE CONTAINS US - URBAN LAND SOIL (PER THE USDA NATURAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY).
- 17. THE ACCEPTABLE CONSTRUCTION SPECIFICATIONS OF THE PHILADELPHIA STREETS DEPARTMENT, AS LISTED IN THE RIGHT OF WAY IMPROVEMENT STANDARD, CHAPTER 1. STANDARD NOTES PER THE CITY STREETS DEPARTMENT FOR CONSTRUCTION WITHIN THE RIGHT-OF-WAY. A. ALL PROPOSED CURB AND FOOTWAY CONSTRUCTION AND ROADWAY RESTORATION SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL NO. SC0101. B. ALL PROPOSED BICYCLE RACKS WITHIN THE RIGHT-OF-WAY SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAILS FZ0101A, FZ0101B, AND FZ0101C. C. ADDITIONALLY, THE ACCEPTABLE CONSTRUCTION SPECIFICATIONS OF THE PHILADELPHIA STREETS DEPARTMENT ARE THE FOLLOWING: - CONSTRUCTION ITEMS: PENNDOT PUB. 408 CONSTRUCTION SPECIFICATIONS (MOST CURRENT EDITION) - STREET LIGHTING: PHILADELPHIA STREETS DEPARTMENT, STREET LIGHTING AND TRAFFIC DIVISION SPECIFICATIONS. - TRAFFIC SIGNALS: PHILADELPHIA STREETS DEPARTMENT, STREET LIGHTING AND TRAFFIC DIVISION SPECIFICATIONS. - SPECIAL PROVISIONS: SPECIAL PROVISIONS, NOT INCLUDED WITHIN THE PENNDOT PUBLICATION 408, WILL BE DEVELOPED AND MAINTAINED BY THE STREETS DEPARTMENT'S DESIGN UNIT. - STANDARD DETAILS: PHILADELPHIA STREETS DEPARTMENT STANDARD DETAILS WILL BE THE STANDARD FOR ALL ROADWAY CONSTRUCTION IN THE CITY OF PHILADELPHIA, WHERE NO CURRENT STANDARD EXISTS, THE MOST RECENT EDITION OF THE PENNDOT ROADWAY CONSTRUCTION STANDARDS AND DESIGN MANUALS WILL APPLY. A LIST OF ALL CURRENT STREETS DEPARTMENT STANDARD DETAILS IS AVAILABLE AT: [HTTPS://WWW.PHILA.GOV/STREETS-SERVICE/DOWNLOADS-AND-LINKS/](https://www.phila.gov/streets-service/downloads-and-links/)



LEGEND & ABBREVIATIONS

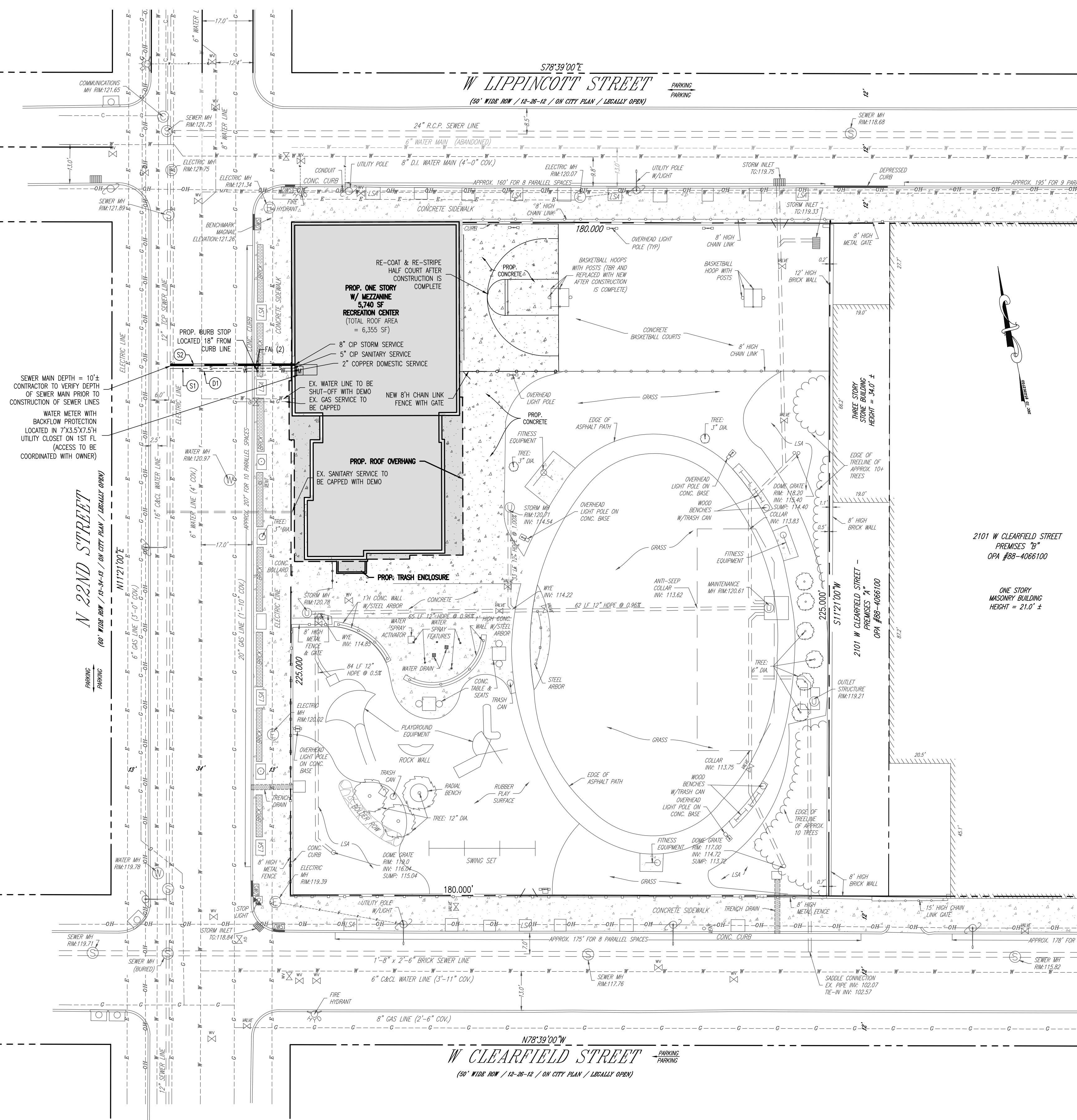
--- PROPERTY BOUNDARY	▭ PROP. BUILDING AREA
--- ADJACENT BOUNDARY	▭ PROP. CONCRETE AREA
--- EXISTING FENCE	
--- OH --- EXISTING OVERHEAD WIRE	
⊕ EXISTING SIGN	
⊕ EXISTING UTILITY POLE (UP)	
⊕ SEWER MANHOLE	
⊕ COMMUNICATION MANHOLE	
⊕ ELECTRIC MANHOLE	
⊕ WATER MANHOLE	
⊕ STORM INLET	
⊕ UTILITY VALVE	
TBR TO BE REMOVED	
LSA LANDSCAPE AREA	

NOT FOR CONSTRUCTION









**UTILITY NOTES**  
**GENERAL NOTES**

- COORDINATE LOCATIONS AND TIE-IN POINTS OF PROPOSED MECHANICAL AND ELECTRICAL SYSTEMS WITH THE APPROPRIATE CONSULTANTS PLANS, AND / OR THE APPROPRIATE GOVERNMENTAL AGENCY HAVING JURISDICTION AT THE TIME OF CONSTRUCTION.
  - ALL TRENCHES SHALL BE SHORED IN ACCORDANCE WITH OSHA STANDARDS. ALL DIMENSIONS AND DISTANCES SHOWN WITHIN THE PLAN SET ARE U.S. STANDARD MEASURE, EXCEPT LOT BOUNDARY DIMENSIONS, WHICH ARE PHILADELPHIA DISTRICT STANDARD MEASURE.
  - CASTINGS TO BE ADJUSTED TO GRADE AND INLETS TO BE MAINTAINED AND PROTECTED THROUGH CONSTRUCTION.
- UTILITY LINE TRENCH EXCAVATION NOTES:**
- LIMIT ADVANCED CLEARING AND GRUBBING OPERATIONS TO A DISTANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE COMPLETED IN ONE DAY.
  - WORK CREWS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE, PLUG CONSTRUCTION AND BACKFILLING WILL BE SELF CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING AND SITE RESTORATION AND STABILIZATION OPERATIONS.
  - ALL SOIL EXCAVATED FROM THE TRENCH WILL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.
  - LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT, PLUG INSTALLATION AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY.
  - WATER WHICH ACCUMULATES IN THE OPEN TRENCH WILL BE COMPLETELY REMOVED BY PUMPING BEFORE PIPE PLACEMENT AND/OR BACKFILLING BEGINS. WATER REMOVED SHALL BE PUMPED THROUGH A FILTRATION DEVICE.
  - ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND IMMEDIATELY STABILIZED.

**SANITARY SEWER NOTES**

- SANITARY SEWER LINES SHALL BE CIP.
  - ALL SANITARY SYSTEM MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS.
  - ALL PROPOSED SANITARY SEWER SERVICES SHALL BE COORDINATED WITH THE MECHANICAL/PLUMBING CONSTRUCTION DOCUMENTS.
  - SANITARY SEWER LINES AND STORM SEWER CROSSINGS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF EIGHTEEN (18) INCHES OR A MINIMUM HORIZONTAL SEPARATION OF TEN (10) FEET. IF 18" VERTICAL CLEARANCE CANNOT BE MAINTAINED, THE SANITARY SEWER OR SEWER LATERAL SHALL BE CONCRETE ENCASED, IN ACCORDANCE WITH PA D.E.P. REQUIREMENTS.
- WATER EXISTING NOTES:**
- ALL WATER FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY SPECIFICATIONS.
  - LOCATION OF EXISTING WATER FACILITIES SHOWN ARE APPROXIMATE. ANY UTILITIES NOT SHOWN, OR NOT LOCATED AS SHOWN, SHALL NOT BE THE CAUSE OF THE CONTRACTOR TO DENY RESPONSIBILITY FOR PROTECTION AND/OR REPAIR DURING CONSTRUCTION. EXACT LOCATION SHALL BE VERIFIED IN THE FIELD.
  - ALL WATER MAINS AND SERVICE LATERALS REQUIRE A MINIMUM OF FOUR (4) FEET COVER UNLESS OTHERWISE APPROVED.
  - WATER AND SANITARY SEWER LINES SHALL HAVE A MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION UNLESS OTHERWISE APPROVED.
  - SANITARY LINES SHALL HAVE A MINIMUM OF EIGHTEEN (18) INCH VERTICAL SEPARATION FROM THE WATER LINE UNLESS OTHERWISE APPROVED.
  - DEVELOPER SHALL OBTAIN ALL NECESSARY ROAD OPENING PERMITS REQUIRED FOR THE INSTALLATION OF THE WATER FACILITIES, AND SHALL BE RESPONSIBLE FOR THE PAYMENT OF ALL APPLICATION FEES AND INSPECTION COSTS ASSOCIATED WITH THESE PERMITS.

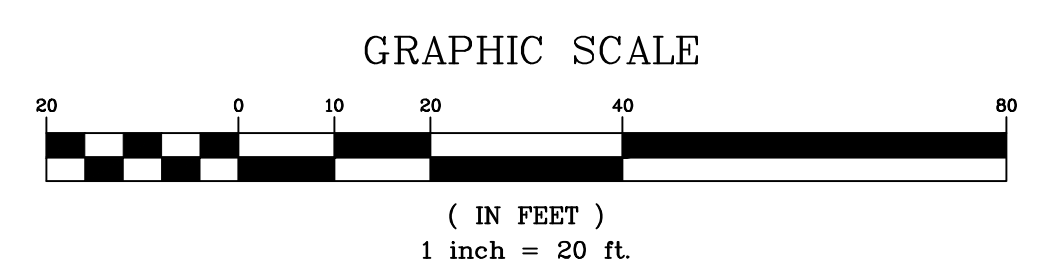
**STANDARD GSI PLAN NOTES**

- THE STANDARD PLAN NOTES BELOW SHOULD TYPICALLY BE PROVIDED TO THE DEVELOPER FOR PROJECTS THAT ARE NOT REQUIRED TO GO THROUGH THE PRIVATE COST PROCESS.
- THE APPROVED WORK SHALL BE DONE IN THE PRESENCE OF A PWD INSPECTOR.
  - THE CONTRACTOR PERFORMING THIS WORK IS TO NOTIFY PWD'S GREEN STORMWATER OPERATIONS AT LEAST 7 DAYS PRIOR TO STARTING WORK TO SCHEDULE AN INSPECTOR (ATTN: GERALD BRIGHT, 215-300-9079).
  - APPROVAL OF THESE PLANS BY THE WATER DEPARTMENT IS STRICTLY LIMITED TO THE PROTECTION OF GREEN STORMWATER INFRASTRUCTURE SHOWN WITHIN THE LIMITS OF THE CITY OF PHILADELPHIA PUBLIC RIGHT OF WAY.
  - ANY CHANGE TO, OR DEVIATION FROM, THE FINAL APPROVED DESIGN PLANS DURING CONSTRUCTION MUST BE APPROVED BY PWD.
  - CONTRACTOR MUST UTILIZE ADEQUATE SHORING METHODS TO PROTECT THE STABILITY OF THE PWD GREEN STORMWATER INFRASTRUCTURE.
  - CONTRACTOR MUST COMPLY WITH EROSION AND SEDIMENT CONTROL REQUIREMENTS DURING CONSTRUCTION. SEE PWD REGULATION 501.3 AND 600.4, PHILA CODE S. 13-603, AND 25 PA CODE CHAPTER 102.
  - SUFFICIENT EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR AS TO PREVENT SEDIMENTATION OF STORMWATER SYSTEMS. GREEN STORMWATER INFRASTRUCTURE SYSTEMS DETERMINED BY PWD TO BE INADEQUATELY PROTECTED AND THEREBY COMPROMISED WILL BE REPLACED TO THE EXTENT REQUIRED BY PWD (UP TO AND INCLUDING FULL REPLACEMENT) AT NO ADDITIONAL COST TO PWD.
  - CONTRACTOR IS REQUIRED TO UNDERTAKE NECESSARY MEASURES TO PREVENT SEDIMENT FROM LEAVING THE WORK SITE, TO PREVENT EROSION CONDITIONS, AND TO SUPPRESS DUST ON THE SITE AND SURROUNDING AREAS. CONTRACTOR MUST COVER AND SURROUND STOCKPILES WITH EROSION CONTROL MEASURES TO ENSURE SEDIMENT DOES NOT MIGRATE INTO THE PUBLIC ROW OR ENTER THE PUBLIC SEWER. IF CONTRACTOR IS HAND DIGGING OR EXCAVATING, CONTRACTOR MUST SWEEP WORK SITE AT THE END OF EACH WORKDAY. THE CITY MAY REQUIRE THE CONTRACTOR / OWNER TO CLEAN CITY-OWNED INLETS AND SYSTEMS AFFECTED BY NONCOMPLIANT OR FAILED E&S CONTROLS.
  - CONTRACTOR MUST INSURE INLET PROTECTION MEASURES AT ALL INLETS ADJACENT TO OR WITHIN THE WORK AREA. INLET PROTECTION MEASURES MUST BE INSPECTED DAILY TO ENSURE PROPER PLACEMENT, AND MAINTAINED, POSITIONED OR REPLACED AS NEEDED TO ENSURE PROPER FUNCTION AND TO PREVENT FLOODING. REFER TO PWD GUIDANCE FOR APPROPRIATE MATERIALS AND PROTECTION METHODS FOR OPEN-MOUTH INLETS, HIGHWAY GRATE INLETS, TRENCH DRAINS AND CURB-CUT INLETS.

**PROJECT GENERAL NOTES:**

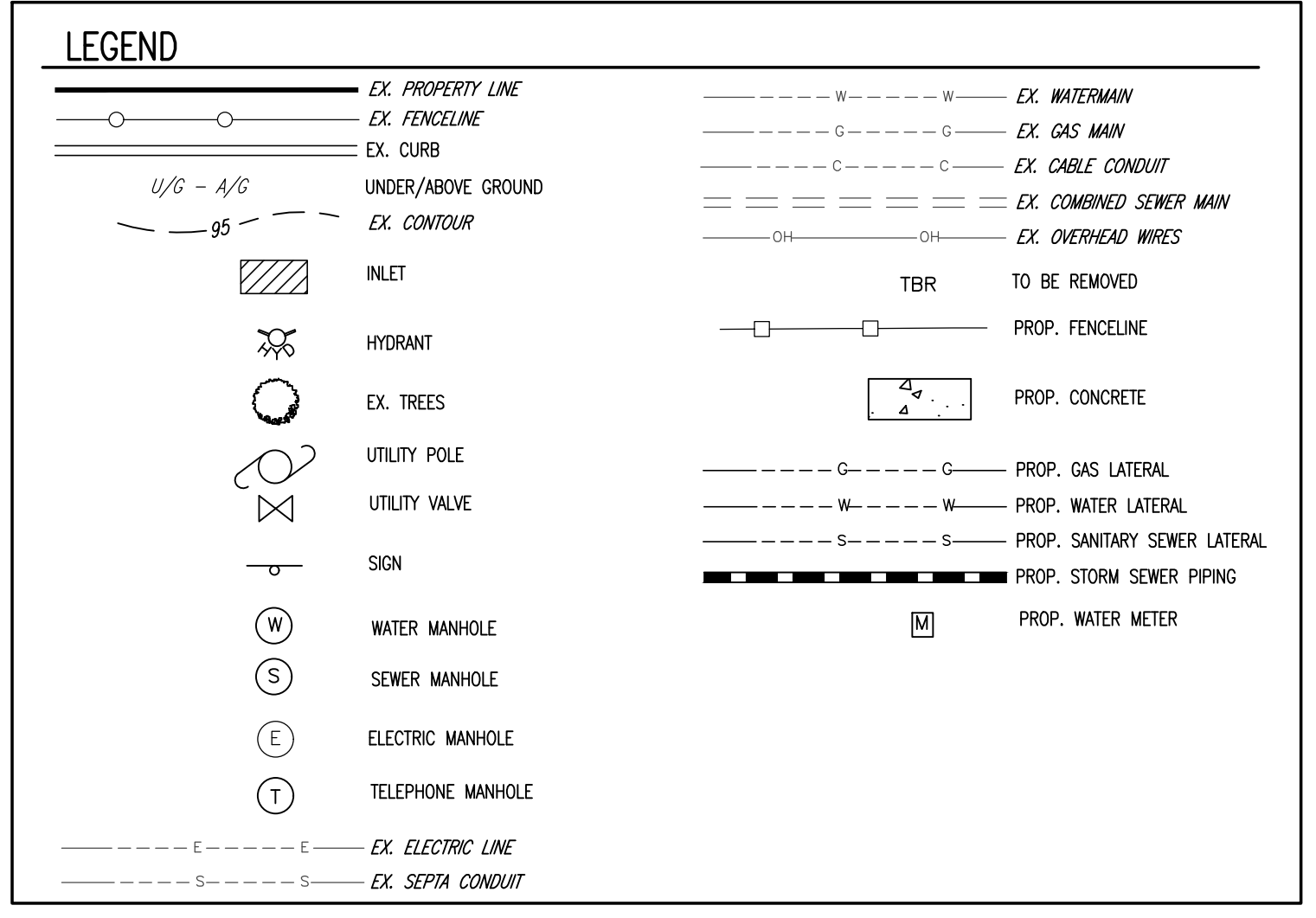
- ENGINEER NAME: JOHN B. ANDERSON, P.E. CORNERSTONE CONSULTING ENGINEERS & ARCHITECTURAL INC. 213 W. MAIN STREET, SUITE 201, LANSDALE, PA 19046 PH: 215-362-2600 E-MAIL: JANDERSON@CORNERSTONEINC.COM
- OWNER/APPLICANT: CITY OF PHILADELPHIA 1515 ARCH STREET, 10TH FLOOR, PHILADELPHIA PA 19102 CONTACT: APARNA PALANING, DEPUTY COMMISSIONER OF CAPITOL INFRASTRUCTURE PH: 215.683.0202 E-MAIL: Aparna.Palaning@phila.gov
- PROJECT LOCATION INFORMATION: 3101-27 N. 22ND STREET (OPA #78-5734200) 2119-29 W. CLEARFIELD STREET (OPA #88-5927460) "PROPOSED LOT CONSOLIDATION"
- EXISTING USE: 1-STORY COMMUNITY CENTER BUILDING (TO BE DEMOLISHED), PLAYGROUND, BASKETBALL COURT, ETC. PROPOSED USE: 1-STORY COMMUNITY CENTER BUILDING, PLAYGROUND, BASKETBALL COURT, ETC.
- SITE DATA: TOTAL LOT AREA OF CONSOLIDATED LOT = 40,500 SF / 0.93 ACRES TOTAL AREA OF DISTURBANCE = 14,400 SF
- PERMIT & UTILITY REFERENCE NUMBERS: LIMIT OF DISTURBANCE: 14,400 SF PWD STORMWATER PLAN REVIEW: FY24-PA-7562-01 PA ONE CALL SERIAL #02232273390
- SITE GOVERNANCE: SINGLE OWNERSHIP
- CONTRACTOR TO LOCATE EXISTING WATER AND SEWER LATERALS FOR BUILDING AND DECOMMISSION LATERALS. SEWER LATERALS TO BE SEALED AND PROPERLY DISCONNECTED IN ACCORDANCE WITH THE PWD REGULATIONS, CHAPTER 5, SEWER AND WASTEWATER CONTROL. A PLUMBING PERMIT SHALL BE OBTAINED FOR SEALING ALL EXISTING SEWER LATERALS. WATER LATERAL VALVES SHALL BE TURNED OFF AND LATERALS SEALED.
- DEVELOPER/OWNER WILL COMPLY WITH ALL PHILADELPHIA REGULATIONS PERTAINING TO PROPER ABANDONMENT AND/OR REUSE OF WATER SERVICE LINES AND SEWER LATERALS. PROOF OF ABANDONMENT AND/OR WATER DISCONTINUANCE MUST BE PROVIDED UPON REQUEST.
- ADJUST ALL CASTINGS TO GRADE.
- MAINTAIN AND PROTECT INLETS. SHOULD THE EXISTING INLETS BE IN ANY WAY DAMAGED DURING CONSTRUCTION, THESE SHOULD BE REPAIRED TO THE SATISFACTION OF THE PWD INSPECTOR. IF DEEMED DAMAGED BEYOND REASONABLE REPAIR, THESE SHOULD BE REPLACED PER PWD STANDARDS.
- CRANE FOOTING LOCATION: NONE
- EXISTING STORMWATER MANAGEMENT BMPs MUST BE PROTECTED DURING CONSTRUCTION; IF ANY EXISTING STORMWATER FEATURES ARE DAMAGED, THEN THE CONTRACTOR MUST REPLACE THEM IN-KIND AT THEIR OWN EXPENSE.
- MAXIMUM FLOW RATE: DOMESTIC = 52.86 GPM

PWD TRACKING NO: UPR-FY24-NTHS-6267



I.D.	ADDRESS	TYPE	SIZE	MATERIAL	CONNECTION MAIN	COMMENTS
S1		SANITARY SEWER	5" DIA.	CIP	12" TCP	SADDLE CONNECTION
S2	3101 N. 22ND STREET	STORM SEWER	8" DIA.	CIP	12" TCP	WYE CONNECTION
D1		DOMESTIC	2" DIA.	COPPER	6"	2" RPZ IN 1ST FL CLOSET; FERRULE CONNECTION

\*ALL UTILITIES TO BE COORDINATED WITH ARCHITECT/MEP DRAWINGS.



**Cornerstone**  
Consulting Engineers & Design Services, Inc.

213 West Main Street, Lansdale, PA 19446  
Phone: 215-362-2600 / Fax: 215-362-8400  
WWW.CORNERSTONEINC.COM

Pocmona Region  
570-839-1770

Lehigh Valley Region  
610-820-5200

Philadelphia Region  
215-362-2600

NO	BY	DESCRIPTION	DATE
			1/2/2024

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PROFESSIONAL ENGINEER  
DELAWARE LICENSE NO. PE 13483  
PENNSYLVANIA LICENSE NO. PE 055536  
MARYLAND LICENSE NO. 20113  
NEW JERSEY LICENSE NO. 246084520400  
VIRGINIA LICENSE NO. 6801842525

**PROJECT LOCATION**  
CONSTRUCTION DOCUMENTS FOR  
REBUILD - VINCENT G. PANATI  
PLAYGROUND

3101-27 N. 22ND STREET  
W. LIPPINCOTT & N. 22ND STREETS  
CITY OF PHILADELPHIA  
PENNSYLVANIA, 19132

PREPARED FOR:  
CITY OF PHILADELPHIA

TITLE

UTILITY PLAN

PROJ. #	24-0901	DATE	02/05/2024
CAD ID	24-0901	DRN BY	MD
SCALE	AS NOTED	CHK BY	JBA

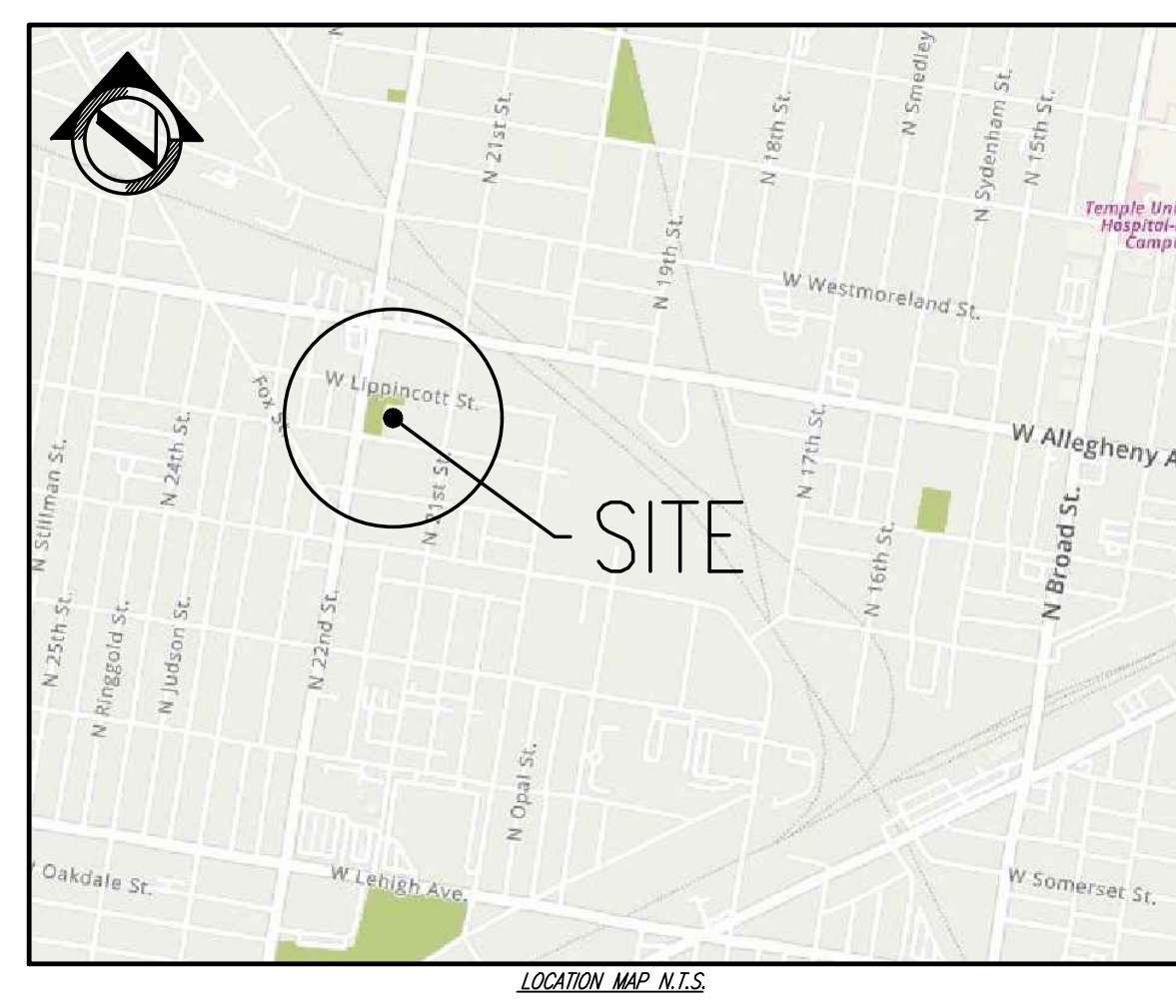
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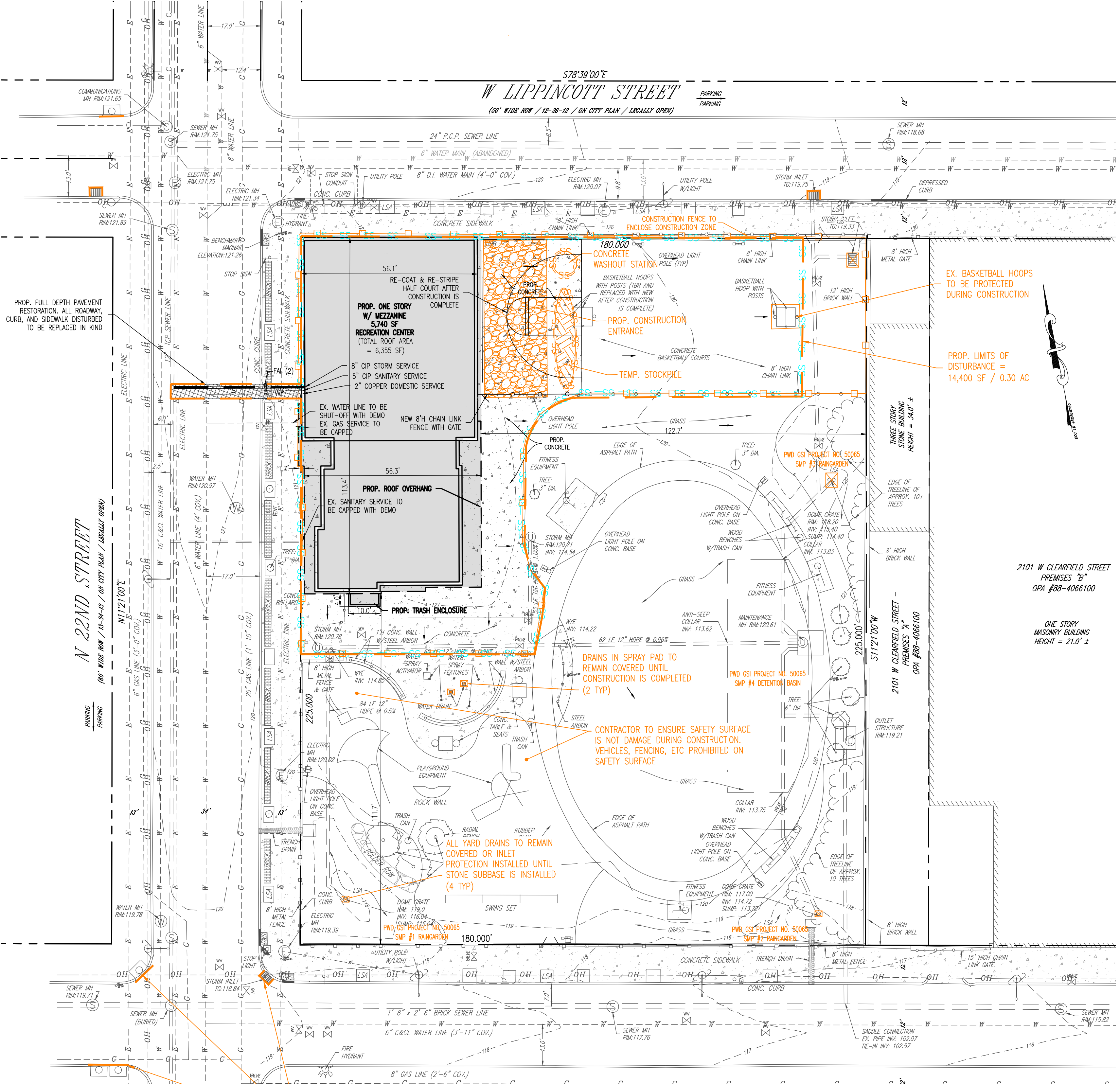
SOIL EROSION AND SEDIMENT CONTROL GENERAL NOTES

- 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. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE ALL CITY-OWNED INFRASTRUCTURE IS FUNCTIONING PROPERLY.
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 STOCKPILE 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 ONE FEET FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED DURING IMPLEMENTATION SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELLED, OR SWEEPED 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 UPWARD TO THE MAIN BARRED 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 FABRIC.
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 3:1 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 IMMEDIATELY UPON IMPLEMENTATION OF THOSE CHANGES. PWD MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
11. UNTIL THE SITE IS STABILIZED, ALL EAS BMPs SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EAS BMPs PRIOR TO ANY ANTICIPATED STORM EVENT, AFTER EACH RAINFALL EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, RESEALING, RESEEDING, REMULCHING, AND RETENING, MUST BE PERFORMED IMMEDIATELY. IF THE EAS BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, 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 EAS 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 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 IN WRITING BY PWD AND PA IMMEDIATELY UPON IMPLEMENTATION OF THOSE CHANGES.
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 STATE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING, AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OF THE PROJECT UNTIL THE EAS BMPs SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS EAS 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 EAS BMPs 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 BMPs SHALL BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
20. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF THREE TO FIVE INCHES - SIX TO TWELVE 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 PLACED TO EXCEED SETTLEMENT AS REQUIRED BY THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS. ALL FILLS 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 MATERIAL, BRUSH, ROOTS, 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. FILLS 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 UNCOMPACTED BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEIZED 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 SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS WITHIN THIRTY (30) DAYS. AREAS WHICH ARE NOT VEGETATED SHALL BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN ONE YEAR SHALL BE PERMANENTLY 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. EAS BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL PERMANENT STABILIZATION IS ACHIEVED. AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY PWD AND PA DEP.
31. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EAS BMPs MUST BE REMOVED OR CONVERTED TO PERMANENT POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE EAS BMPs 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 P20MP APPROVED BY PWD. NO CHANGE OR DEVIATION FROM THE APPROVED P20MP IS PERMITTED WITHOUT PRIOR APPROVAL FROM PWD.
34. ALL WORK ASSOCIATED WITH PWD WATER CONTAMINANCE 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) STORES, 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 IMPLICATION; OR ENGAGING IN EARTHWORKS, DEFINED AS "CLEARING, GRUBBING, OR EARTH DISTURBANCE OF ANY LAND IN EXCESS OF 5,000 SQUARE FEET."
38. UTILITY LINE TRENCH EXCAVATION NOTES
A. LIMIT ADVANCED CLEARING AND GRUBBING OPERATIONS TO A DISTANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE COMPLETED IN ONE DAY.
B. WORK CREWS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE, PLUG CONSTRUCTION AND BACKFILLING WILL BE SELF CONTAINED AND SEPARATE FROM OTHER WASTE AND IS RESPONSIBLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. THE TERM "USED ASPHALT" DOES NOT INCLUDE MALLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.
C. ENVIRONMENTAL DUE DILIGENCE INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA SEARCHES, REVIEW OF PROPERTY OWNERSHIP, HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECTED TO A SPILL OR RELEASE OF REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL".
D. FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL. REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH THE DEPARTMENT'S MUNICIPAL OR RESIDUAL WASTE REGULATIONS BASED ON 25 PA CODE CHAPTERS 267 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE.
40. CONSTRUCTION FENCING TO BE CHAIN LINK FENCE WITH PEG END/LINE STABILIZED BRACKET. NO DIGGING OR EARTH DISTURBANCE REQUIRED.



- GENERAL NOTES:
1. THIS PLAN REFERENCE A SURVEY BY: CORNERSTONE CONSULTING ENGINEERING & ARCHITECTURAL, INC. 213 W. MAIN STREET, SUITE 201, LANSDALE, PA 19446
2. OWNER/APPLICANT: CITY OF PHILADELPHIA 1515 ARCH STREET, 10TH FLOOR, PHILADELPHIA PA 19102
3. PROJECT LOCATION INFORMATION: 3101-27 N. 22ND STREET (OPA #78-5734200)
4. THE WORD "CERTIFY" OR "CERTIFICATE" AS SHOWN AND USED HEREIN MEANS AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THE FACTS OF THIS PLAN AND REFERENCED SURVEY AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED.
5. THIS DRAWING IS PREPARED BY CORNERSTONE CONSULTING ENGINEERS AND ARCHITECTURAL, INC. AND NO PART OF THIS DRAWING MAY BE REPRODUCED BY PHOTOCOPIING, RECORDING OR BY ANY OTHER MEANS, OR STORED, PROCESSED, OR TRANSMITTED IN OR BY ANY COMPUTER OR OTHER SYSTEMS WITHOUT THE PRIOR WRITTEN PERMISSION OF THE SURVEYOR, ENGINEER, ARCHITECT, OR DESIGN PROFESSIONAL. COPIES OF THIS PLAN WITHOUT A RAISED IMPRESSION OR COLOR SEAL ARE NOT VALID.
6. THIS PLAN IS TO BE USED FOR GRAPHICAL REPRESENTATION OF THE PHYSICAL FEATURES OF THE PROPERTY AND NOT TO BE USED FOR CONSTRUCTION. THE BUILDING FOOTPRINT IS CONCEPTUAL ONLY AND ESTABLISHES A BUILDING ENVELOPE IN WHICH THE FINAL BUILDING FOOTPRINT WILL BE PERMITTED TO BE LOCATED.
7. LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. ALL LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS SUPPLIED THROUGH THE PA ONE CALL SYSTEM WHICH WERE AVAILABLE AT THE TIME OF THE SURVEY. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES.
8. BY GRAPHICAL PLOTTING ONLY THIS PROPERTY IS LOCATED IN FEMA FLOOD MAP - OTHER AREAS / ZONE X, PER MAP ENTITLED "FIRM, FLOOD INSURANCE RATE MAP, PHILADELPHIA COUNTY, PENNSYLVANIA (ALL JURISDICTIONS)", MAP NUMBER 42075700956, EFFECTIVE JANUARY 17, 2007.
9. THE WATERSHED FOR THE SITE IS THE LOWER SCHUYLKILL WATERSHED.
10. THE ENTIRE SITE CONTAINS UG - URBAN LAND (PER THE USDA NATURAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY).
11. THE APPLICANT IS PROPOSING TO CONSTRUCT A 1-STORY WITH MEZZANINE LEVEL, COMMUNITY CENTER ALONG WITH ASSOCIATED SITE IMPROVEMENTS.

- SEQUENCE OF CONSTRUCTION
STANDARD NOTES
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.
2. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) FOR A FINAL INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE EAS BMPs.
3. 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.
4. WATER PUMPED FROM WORK AREAS SHOULD BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGING TO A "SURFACE WATER".
1. PRE-CONSTRUCTION MEETING WITH PWD IS REQUIRED PRIOR TO ANY EARTH DISTURBANCE. THE INSPECTIONS COORDINATOR OF PWD (OFFICE 215.685.6387) MUST BE CALLED TO SCHEDULE A PRE-CONSTRUCTION MEETING AT LEAST SEVEN (7) DAYS PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR SHALL INITIATE CONSTRUCTION BY INSTALLING THE CONSTRUCTION ENTRANCE, SILT SOX, INLET PROTECTION ON-SITE AND WITHIN THE ROADWAYS, AND CONSTRUCTION FENCE WITH A GATE AT THE CONSTRUCTION ENTRANCE.
3. FOR THE SITE WORK PHASE OF THE PROJECT, CONTRACTOR SHALL BEGIN BY DEMOLISHING THE EXISTING BUILDING AND ROUGH GRADING THE SITE / EXCAVATING THE SOIL FOR THE FOUNDATION WALLS. IF AT ANY TIME DURING EARTH MOVING ACTIVITIES, WORK IS STOPPED, THE SITE SHOULD BE STABILIZED. THE AREA IS CONSIDERED PERMANENTLY STABILIZED WHEN A UNIFORM 70% VEGETATIVE COVER OF EROSION RESISTANT PERENNIAL SPECIES HAS BEEN ACHIEVED, OR THE DISTURBED AREA IS COVERED WITH AN ACCEPTABLE BMP WHICH PERMANENTLY MINIMIZES ACCELERATED EROSION AND SEDIMENTATION. CONTRACTOR TO STOCKPILE TOPSOIL AND INSTALL THE ASSOCIATED SILT SOX. CONTRACTOR TO STABILIZE THE STOCKPILE WITH TEMPORARY SEEDING AS DIRECTED IN FERTILIZATION NOTES.
4. CONCURRENTLY WITH EXCAVATION WORK, CONTRACTOR CAN INSTALL PROPOSED UTILITY LINES.
5. UPON STABILIZATION OF THE SUBBASE, CONTRACTOR SHALL INSTALL BUILDING PAD AND CONCRETE. UPON ACCEPTANCE OF THE BUILDING PAD, BUILDING CONSTRUCTION MAY COMMENCE.
6. UPON STABILIZATION OF THE SITE, CONTRACTOR SHALL REMOVE THE EROSION AND SEDIMENTATION CONTROL MEASURES. UNTIL SUCH TIME THAT THE ENTIRE SITE HAS ACHIEVED THE STANDARD DEFINED IN #3 ABOVE, INTERIM STABILIZATION MEASURES AND TEMPORARY EROSION AND SEDIMENT CONTROL FEATURES THAT ARE USED TO TREAT PROJECT RUNOFF MAY NOT BE REMOVED. ADDITIONALLY CONTRACTOR SHALL CLEAR ANY UNWANTED DEBRIS AND MISCELLANEOUS CONSTRUCTION MATERIAL UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER/OPERATOR SHALL CONTACT THE INSPECTIONS COORDINATOR OF PWD (215.685.6387) FOR A FINAL INSPECTION PRIOR TO THE REMOVAL OF THE EAS BMPs.



LEGEND & ABBREVIATIONS table with symbols for property boundary, existing contours, utility lines, manholes, and construction elements. Includes a GRAPHIC SCALE in feet (1 inch = 20 ft).

Cornerstone Consulting Engineers & Design Services, Inc. logo and contact information including address, phone, and website.

REVISIONS table with columns for NO, BY, DESCRIPTION, and DATE.

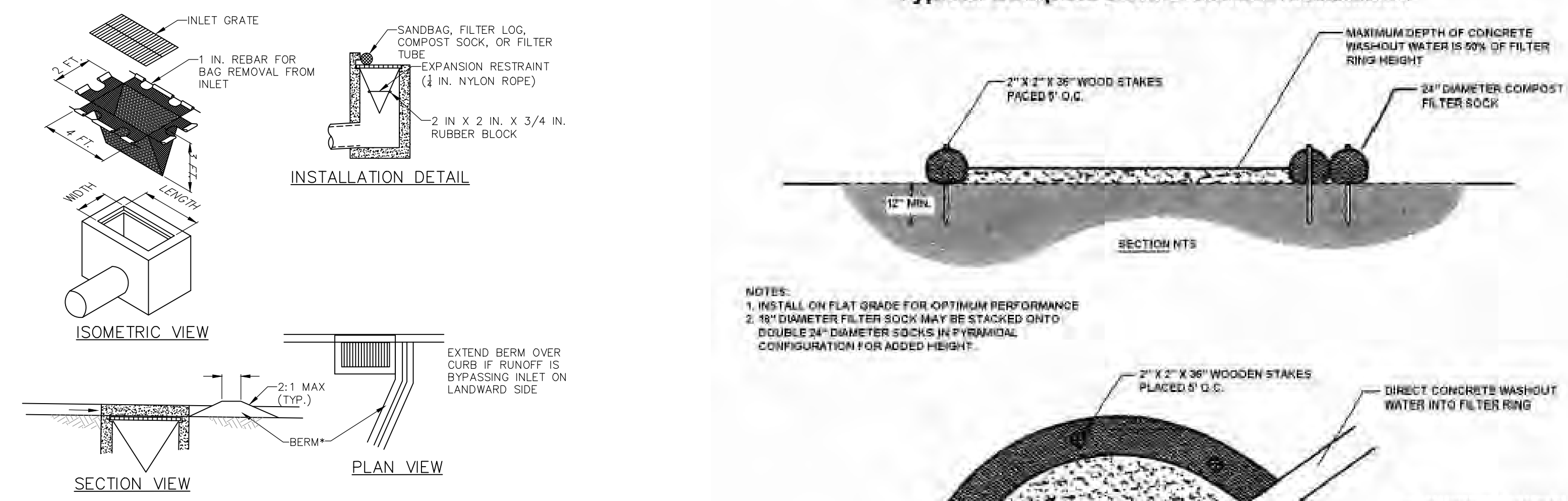
811 logo and text: BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA! CALL 1-800-242-1776. Includes J.B. Anderson Professional Engineer signature.

PROJECT LOCATION: 3101-27 N. 22ND STREET W. LIPPINCOTT & N. 22ND STREETS CITY OF PHILADELPHIA PENNSYLVANIA, 19132. Includes title block for EROSION & SEDIMENTATION CONTROL PLAN and revision 0.

NOT FOR CONSTRUCTION

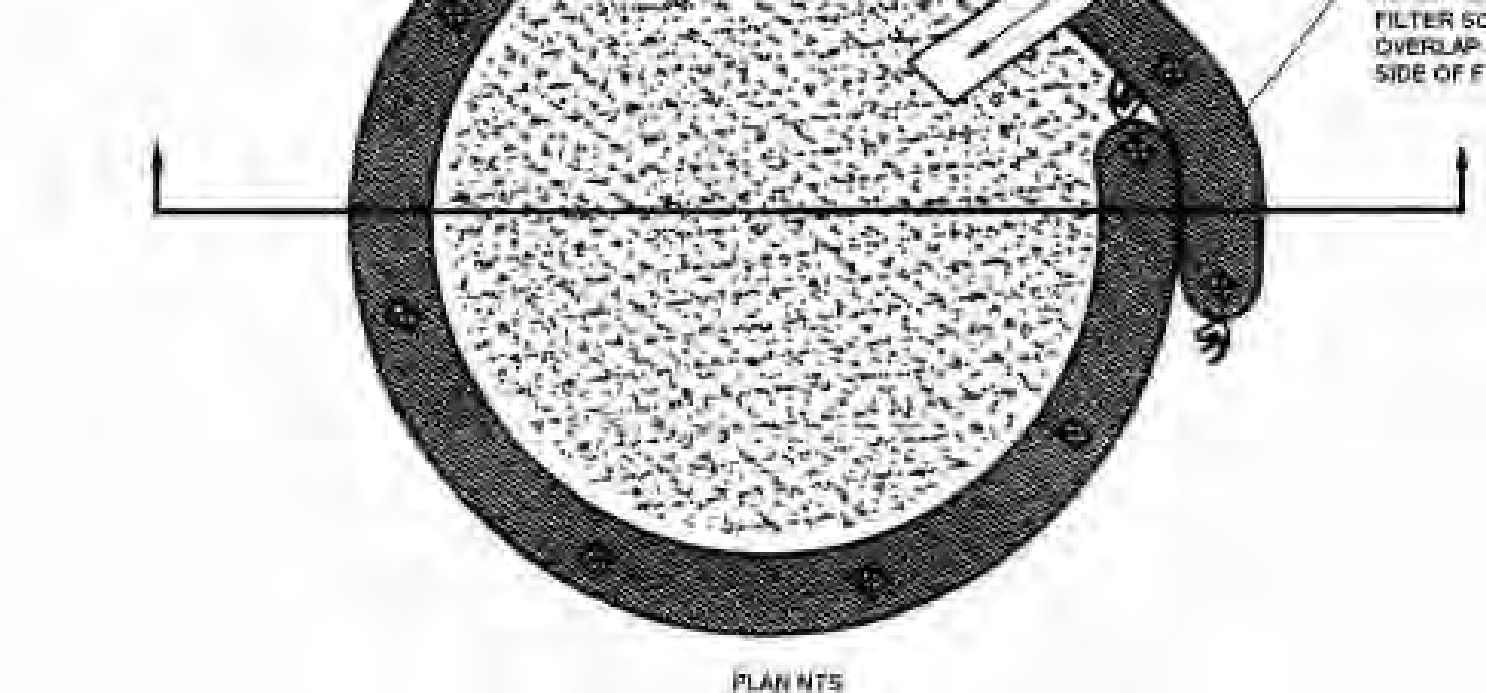


**FIGURE 3.18**  
**Typical Compost Sock Washout Installation**



**NOTES:**  
 MAXIMUM DRAINAGE AREA = 1/2 ACRE.  
 INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS NOT WITHIN THE PUBLIC RIGHT-OF-WAY.  
 ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT. BERMS SHALL NOT BE INSTALLED IN THE PUBLIC RIGHT-OF-WAY.  
 AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.  
 INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.  
 DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.  
 \* BERMS SHALL NOT BE PLACED WITHIN THE PUBLIC RIGHT-OF-WAY.

**STANDARD CONSTRUCTION DETAIL #4-15**  
**FILTER BAG INLET PROTECTION - TYPE C INLET**

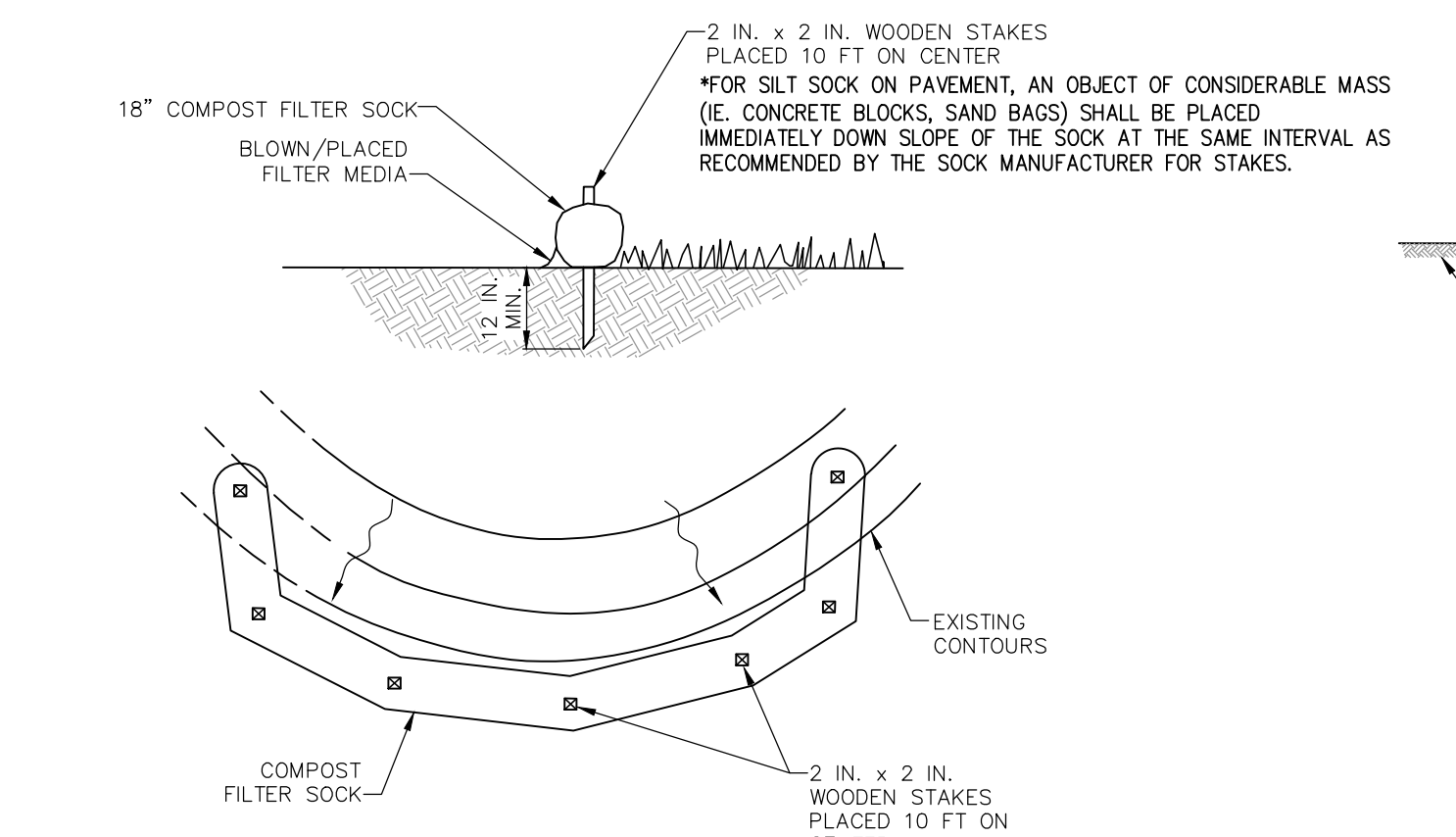


**NOTES:**  
 1. A SUITABLE IMPERVIOUS GEOMEMBRANE SHALL BE PLACED AT THE LOCATION OF THE WASHOUT PRIOR TO INSTALLING THE SOCKS.  
 2. ALL CONCRETE WASHOUT FACILITIES SHOULD BE INSPECTED DAILY. DAMAGED OR LEAKING WASHOUTS SHOULD BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY.  
 3. ACCUMULATED MATERIALS SHOULD BE REMOVED WHEN THEY REACH 75% CAPACITY.  
 4. PLASTIC LINERS SHOULD BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.

**CONCRETE WASHOUT DETAIL**

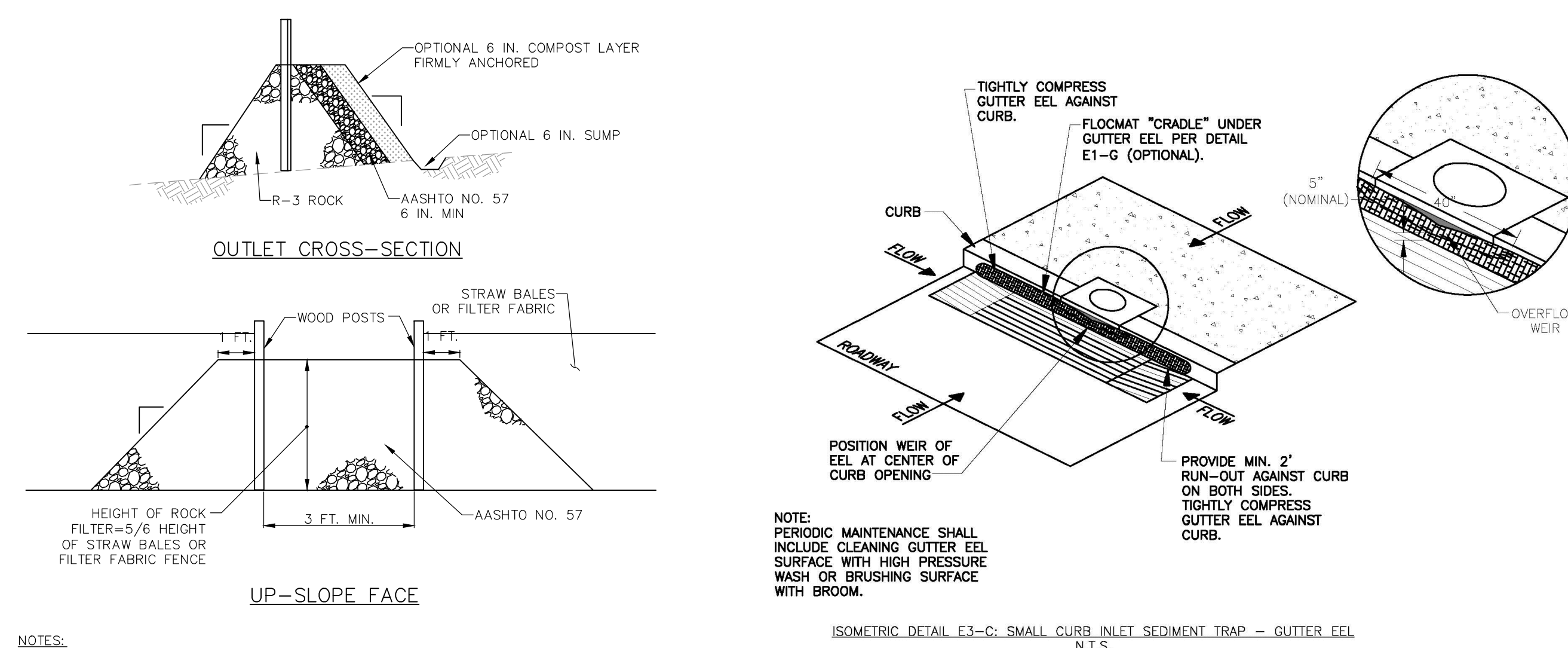
**DUST CONTROL MEASURES**  
 DURING CONSTRUCTION, THE CONTRACTOR SHALL NOT CAUSE OR PERMIT ANY MATERIALS OR PROPERTY TO BE HANDLED, TRANSPORTED, STORED, USED, CONSTRUCTED, ALTERED, REPAIRED, OR DEMOLISHED WITHOUT TAKING REASONABLE PRECAUTIONS TO PREVENT PARTICULATE MATTER FROM BECOMING AIRBORNE. REASONABLE PRECAUTIONS TO CONTROL FUGITIVE DUST EMISSIONS MAY INCLUDE THE FOLLOWING:  
**WATERING**  
 WATER TRUCKS WILL BE THE PRIMARY MEANS OF DUST ABATEMENT. THE CONTRACTOR WILL BE REQUIRED TO FURNISH AND TO USE WATER TRUCKS WITH APPROPRIATE SPRAY DISPERSAL SYSTEMS ON THE FRONT AND/OR BACK AND SIDES OF THE TRUCK THAT WILL EFFECTIVELY WATER THE CONSTRUCTION CORRIDOR, CONTRACTOR/PIPE YARDS, AND PUBLIC ROADWAYS TO CONTROL DUST GENERATED FROM CONSTRUCTION ACTIVITIES. FILL POINTS FOR THE TRUCK WILL BE FIELD DETERMINED AND PROPERLY PERMITTED WITH LOCAL AUTHORITIES. WATERING FREQUENCY WILL BE DEPENDENT ON WEATHER AND TRAFFIC CONDITIONS. WATER SPRAY WILL BE CONTROLLED TO AVOID OVER-SPRAY AND POOLING.  
**OTHER METHODS**

- COVER OPEN-BODY TRUCKS LOADING AND HAULING CONSTRUCTION DEBRIS ON OR FROM THE ROW.
- MAINTAIN CONSTRUCTION ENTRANCES (TRACK-OUT AND/OR CARRY-OUT AREAS) AT PAVED ROAD ACCESS POINTS.
- SWEEP PUBLIC ROADWAYS AS NECESSARY TO REDUCE DUST AND TRACKED DIRT FROM THE CONSTRUCTION ROW.
- PROVIDE WASH STATIONS AS NECESSARY.
- TEMPORARY MULCHING AND STABILIZATION.
- TILLAGE / SURFACE ROUGHENING.
- WIND BREAKS.



**NOTES:**  
 SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.  
 COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.  
 TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.  
 ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.  
 COMPOST FILTER 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.  
 BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.  
 UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

**STANDARD CONSTRUCTION DETAIL #4-1**  
**COMPOST FILTER SOCK**



**NOTES:**  
 A ROCK FILTER OUTLET SHALL BE INSTALLED WHERE FAILURE OF A SILT FENCE OR STRAW BALE BARRIER HAS OCCURRED DUE TO CONCENTRATED FLOW. ANCHORED COMPOST LAYER SHALL BE USED ON UPSLOPE FACE IN HQ AND EV WATERSHEDS.  
 SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.

**STANDARD CONSTRUCTION DETAIL #4-6**  
**ROCK FILTER OUTLET**

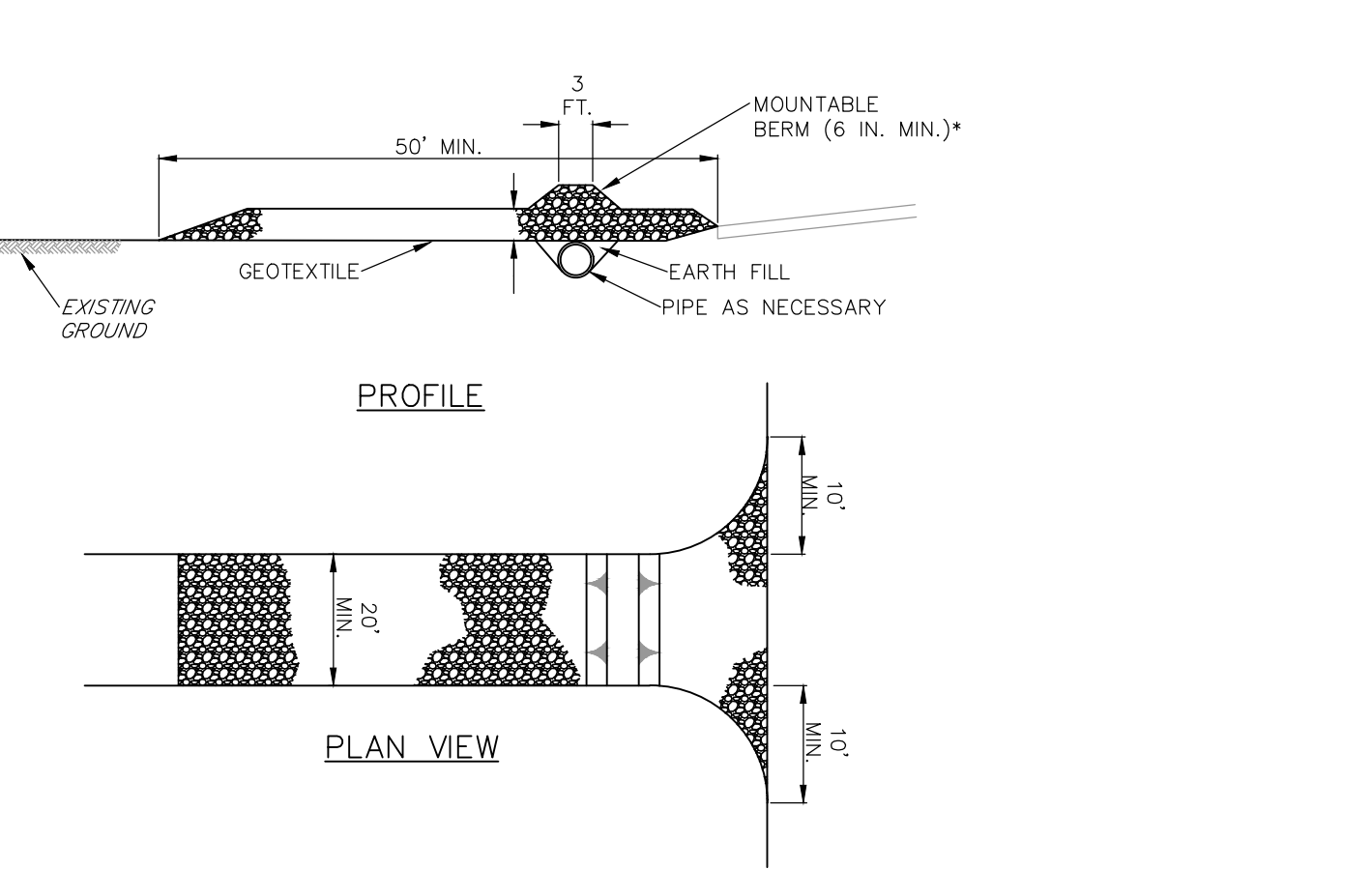
**CONSTRUCTION WASTE DISPOSAL NOTE**  
 ALL BUILDING MATERIALS AND WASTES SHALL REMOVE FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE PA DEP'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ. 271.1 ET SEQ. AND 287.1 ET SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.

**UNFORESEEN EROSION CONDITIONS**  
 1. SHOULD ANY UNFORESEEN EROSION CONDITIONS DEVELOP DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE THE ACTION TO REMEDY SUCH CONDITIONS AND TO PREVENT DAMAGE TO ADJACENT PROPERTIES AS A RESULT OF INCREASED RUNOFF AND/OR SEDIMENT DISPLACEMENT. STOCKPILES OF WOOD SHIPS, HAY BALES, CRUSHED STONE, AND OTHER ACCEPTABLE MULCHES SHALL BE HELD IN READINESS TO IMMEDIATELY ADDRESS EMERGENCY EROSION AND SEDIMENTATION PROBLEMS.  
 2. THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH ALL OF THE PROVISIONS OF APPENDIX 64, "EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUB-PART C, PROTECTION OF NATURAL RESOURCES, ARTICLE III, WATER RESOURCES, CHAPTER 102, EROSION CONTROL."  
 3. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT ALL EROSION & AIR AND WATER POLLUTION IS MINIMIZED. STATE & LOCAL LAWS CONCERNING POLLUTION ABATEMENT SHALL BE OBSERVED.  
 4. MEASURES FOR THE PROTECTION OF EXISTING TREES AND SHRUBS SHALL BE TAKEN BY THE CONTRACTOR TO ELIMINATE UNNECESSARY DAMAGE.

\* A COPY OF THESE EROSION & SEDIMENT POLLUTION CONTROL PLANS MUST BE POSTED AND AVAILABLE AT THE CONSTRUCTION SITE IN ACCORDANCE WITH STATE AND FEDERAL LAW.

**EROSION CONTROL REVISION NOTE**  
 \* BEFORE INITIATING ANY REVISION TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E & S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE (COUNTY NAME). THE OPERATOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.

**SPOIL AND BORROW AREAS NOTE**  
 \* THE OPERATOR SHALL ASSURE THAT AN EROSION AND SEDIMENT CONTROL PLAN HAS BEEN PREPARED, APPROVED BY THE (COUNTY NAME), AND IS BEING IMPLEMENTED AND MAINTAINED FOR ALL SOIL AND/OR ROCK SPOIL AND BORROW AREAS, REGARDLESS OF THEIR LOCATIONS.

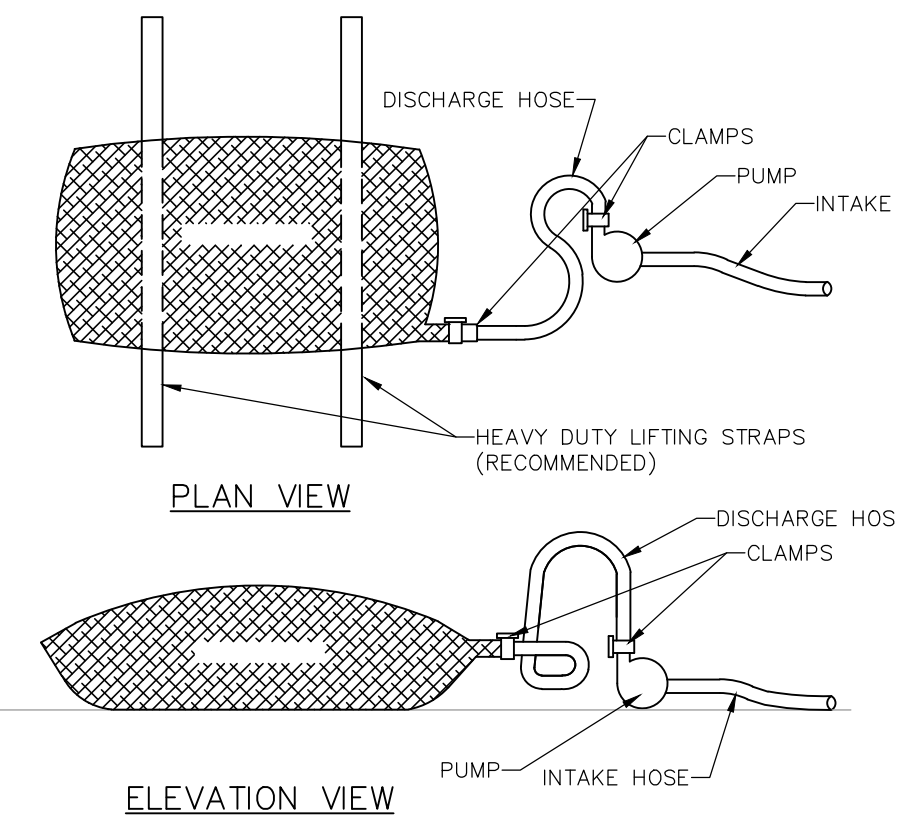


**NOTES:**  
 REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.  
 RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.  
 MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.  
 MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

**STANDARD CONSTRUCTION DETAIL #3-1**  
**ROCK CONSTRUCTION ENTRANCE**

1. Install the GutterEEL™ in front of the curb inlet opening. Each end of the GutterEEL™ should overlap the curb inlet approximately 12".
2. Overflow weir should be centered on curb inlet. If more than 1 unit is required, units should be placed with each end flush against each other.
3. The GutterEEL™ should be cleaned if a visual inspection shows silt and debris build up in front of the unit.
4. The GutterEEL™ is reusable. Once the construction project is complete and it is no longer needed for sediment control, remove, clean and store out of the sunlight.
5. Ponding is possible if sediment is not removed regularly. Inspection of GutterEEL™ should be on a regular basis and immediately after major storm events.

**ACF ENVIRONMENTAL GUTTER EEL**



**NOTES:**  
 LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.  
 BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5% FOR SLOPES EXCEEDING 5%. CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.  
 NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.  
 THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.  
 THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.  
 FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

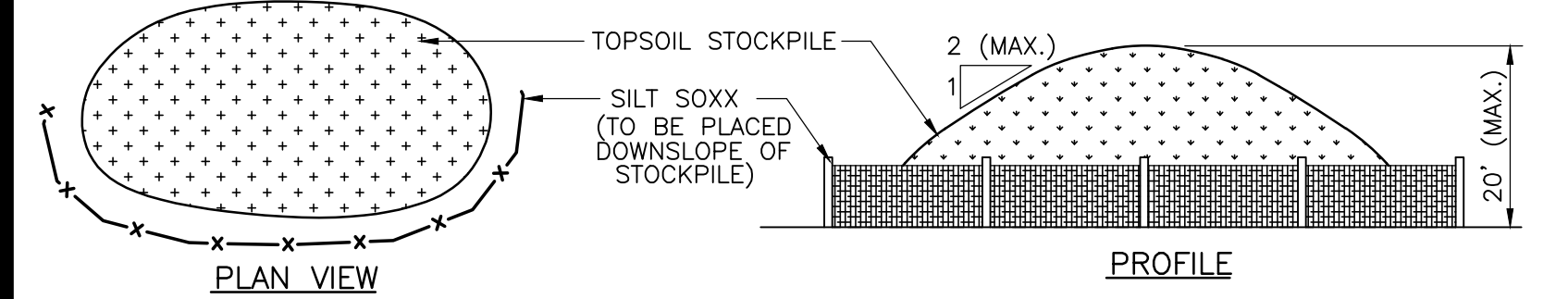
**STANDARD CONSTRUCTION DETAIL #3-16**  
**PUMPED WATER FILTER BAG**

**PWD'S SOIL EROSION AND SEDIMENT CONTROL GENERAL NOTES**

1. PWD IS NOT RESPONSIBLE FOR ANY CLEANING OR REPAIRS NEEDED ON CITY-OWNED INFRASTRUCTURE DUE TO FAILURE OF ANY EROSION AND SEDIMENT CONTROL PRACTICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDRESSING ANY CONCERNS OF THE CITY-OWNED INFRASTRUCTURES.
2. 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.
3. 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.
4. INLET PROTECTION MUST BE PROVIDED FOR ALL INLETS OWNED BY PWD THAT ARE LOCATED WITHIN ONE BLOCK OF THE PROJECT SITE. (CONTRACTOR CAN USE CURB INLET DRAIN FILTER, AS MANUFACTURED BY ACF ENVIRONMENTAL OR APPROVED EQUIVALENT.)
5. 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 SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR WATERWAY.
6. 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 SPACES AT A MAXIMUM OF 8 FEET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FILTER FENCE.
7. ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATION REACH 1/2 THE HEIGHT OF THE GUTTER.
8. DURING CONSTRUCTION, THE SELECTED CONTRACTOR IS EXPECTED TO FOLLOW THE PCSMP APPROVED BY PWD. NO CHANGE OR DEVIATION FROM THE APPROVED PCSMP IS PERMITTED WITHOUT PRIOR APPROVAL FROM PWD.
9. 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.
10. 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.

**FERTILIZATION, SEEDING, AND MULCHING NOTES**

1. DISTURBED AREAS WHICH WILL NOT BE REDISTURBED IMMEDIATELY SHALL BE TEMPORARY SEEDED AND MULCHED. SITE PREPARATION OF MULCH AND MAINTENANCE SHALL BE PERFORMED IN ACCORDANCE WITH PENN STATE UNIVERSITY "AGRONOMY GUIDE" AND PENN.D.O.T. FORM 408 SPECIFICATIONS MOST RECENT EDITION. DURING NONGERMINATING PERIODS, MULCH MUST BE APPLIED AT THE RECOMMENDED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADES AND WHICH WILL BE REDISTURBED WITHIN ONE (1) YEAR MUST BE TEMPORARY SEEDED AND MULCHED AS INDICATED ON THIS PLAN. DISTURBED AREAS WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE REDISTURBED WITHIN ONE (1) YEAR MUST PERMANENTLY SEED AND MULCHED AS INDICATED ON THIS PLAN.  
**TEMPORARY SEEDING REQUIREMENTS:**  
 FORMULA E - ANNUAL RYE GRASS  
**PERMANENT SEEDING REQUIREMENTS:**  
 FORMULA D - 70% KENTUCKY 31 FESCUE  
 20% PENNMAW RED FESCUE  
 10% WEEDING KUKUI GRASS  
**SEEDING RATE FOR THE ABOVE MIXTURES:** 21 lbs/1000 S.Y.  
 HAY OF STRAW MULCH SHALL BE APPLIED AT THE RATES OF AT LEAST 3.0 TONS PER ACRE AND AT LEAST 4.0 TONS PER ACRE DURING WINTER MONTHS (DEC. 1 TO MARCH 1) DUE TO COLD WEATHER SOIL EROSION PROBLEMS. STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN  
 PULVERIZED AGRICULTURAL LIMESTONE AND COMMERCIAL FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS WHICH ARE TO BE SEEDS EXCEPT FOR TEMPORARY SEEDS AREAS AT THE FOLLOWING RATES:  
 PULVERIZED AGRICULTURAL LIMESTONE: 2 TONS/ACRE  
 1 TON/ACRE FOR TEMPORARY USE  
 10-20-20 ANALYSIS COMMERCIAL FERTILIZER 1000 lbs/ACRE  
 5-5-5 ANALYSIS COMMERCIAL FERTILIZER 1000 lbs/ACRE
2. AREAS THAT FAIL TO GERMINATE MUST BE RESEEDED.
3. SEEDS AREAS THAT WASH OUT MUST BE FILLED AND GRADED AS NECESSARY, THEN RESEEDED. SOME TYPE OF ANCHORING METHOD SHOULD BE UTILIZED TO HOLD SEED AND MULCH IN PLACE. THIS IS CONCENTRATED FLOWS, AND ON SLOPES. ALL SLURRY APPLICATIONS FOR SEEDING WITH A CELLULOSE TACKIFIER MUST BE ACCOMPANIED BY A STRAW MULCH BINDER. MULCHING DURING NON-GROWING SEASONS, MULCHING CAN BE USED AS AN INTERIM STABILIZATION CONTROL. CONSTRUCTION AND MAINTENANCE WILL BE INSTABILIZATION CONTROL. CONSTRUCTION AND MAINTENANCE WILL BE IN ACCORDANCE WITH SPECIFICATIONS CONTAINED IN SECTION 805, PENN.D.O.T. PUBLICATION 408. GRADING WILL BE TEMPORARILY HALTED WHEN SOIL BECOMES FROSTED.



**SOIL STOCKPILE AREA DETAIL**  
NOT TO SCALE

**Cornerstone**  
 Consulting Engineers & Design Services, Inc.  
 213 West Main Street, Lansdale, PA 19446  
 Phone: 215-362-2600, Fax: 215-362-8400  
 WWW.CORNERSTONEINC.COM  
 Lehigh Valley Region  
 610-820-8200  
 Philadelphia Region  
 215-362-2600  
 Pocono Region  
 570-839-1770

NO.	BY	DESCRIPTION	DATE
			1/2/2024

REVISIONS

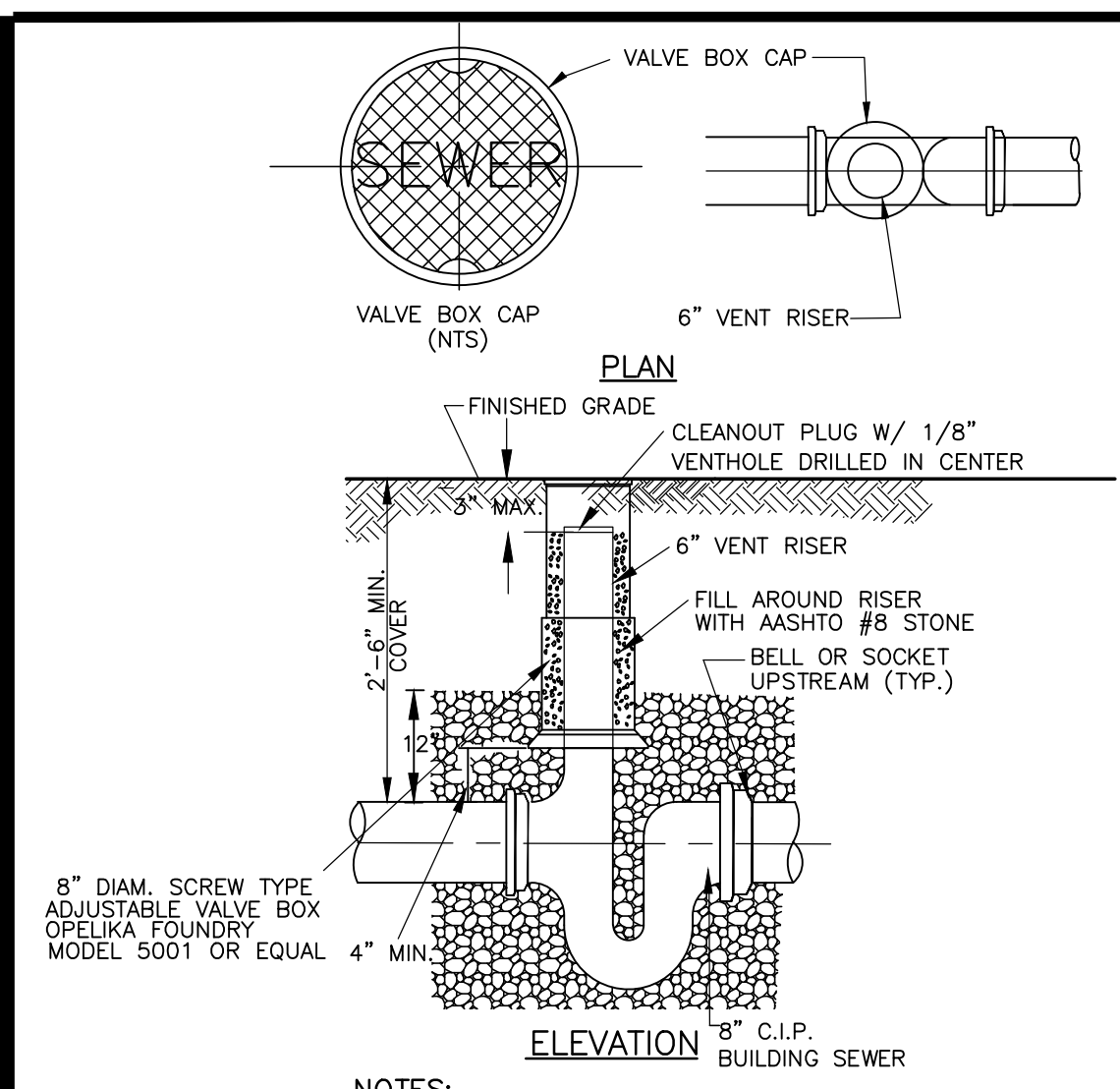
811  
 BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA! CALL 1-800-242-1776

**J.B. ANDERSON**  
 PROFESSIONAL ENGINEER  
 DELAWARE LICENSE NO. PE 1383  
 PENNSYLVANIA LICENSE NO. PE 055536  
 NEW JERSEY LICENSE NO. 24618425040  
 MARYLAND LICENSE NO. 88018252

**PROJECT LOCATION**  
 CONSTRUCTION DOCUMENTS FOR REBUILD - VINCENT G. PANATI PLAYGROUND  
 3101-27 N. 22ND STREET W. LIPPINCOTT & N. 22ND STREETS CITY OF PHILADELPHIA PENNSYLVANIA, 19132  
 PREPARED FOR: CITY OF PHILADELPHIA  
**TITLE**  
 EROSION & SEDIMENTATION CONTROL DETAILS  
 PWD SW TRACKING NO. FYZ4-PANA-7562-01  
 PROJ. # 23-0901 DATE 02/05/2024  
 CAD ID 23-0901 DRN BY MD  
 SCALE AS NOTED CHK BY JBA  
 C1.5  
 REVISION 0

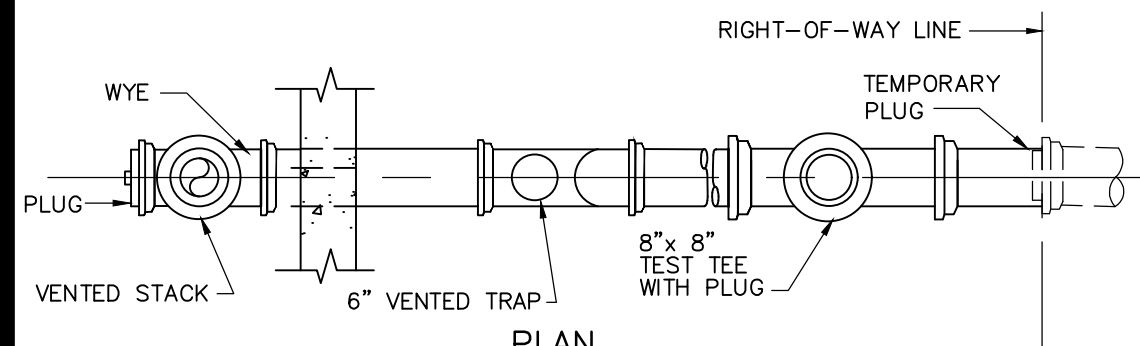
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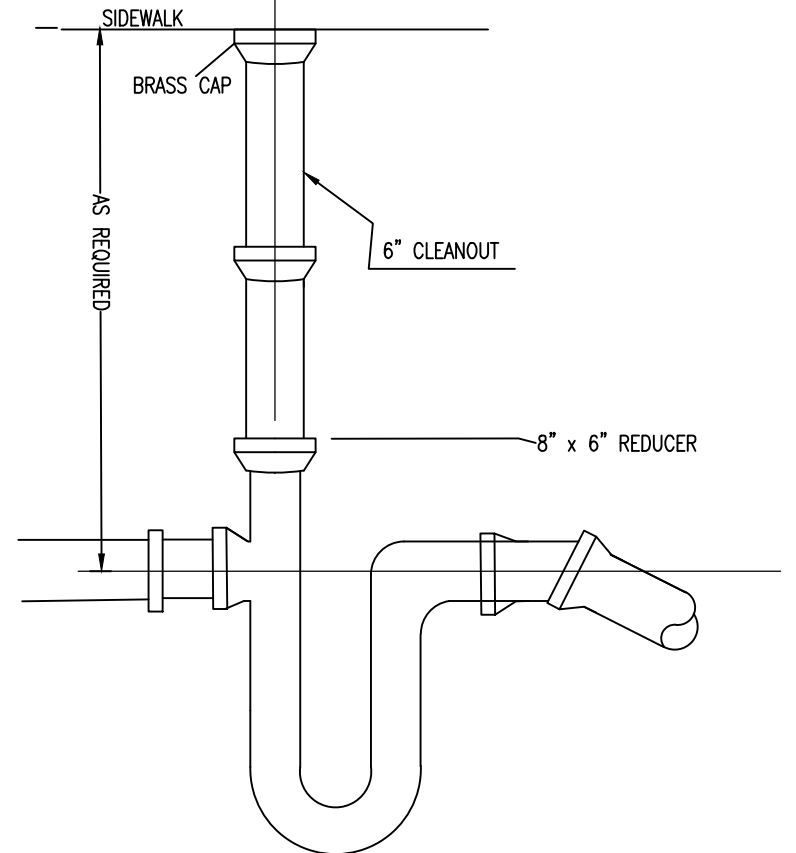


**NOTES:**  
 1. PIPE TO BE EMBEDDED IN AGGREGATE (SEE PIPE EMBEDMENT DETAIL).  
 2. CAST IRON BOXES ARE REQUIRED FOR ADEQUATE PROTECTION OF THE CLEAN-OUTS.

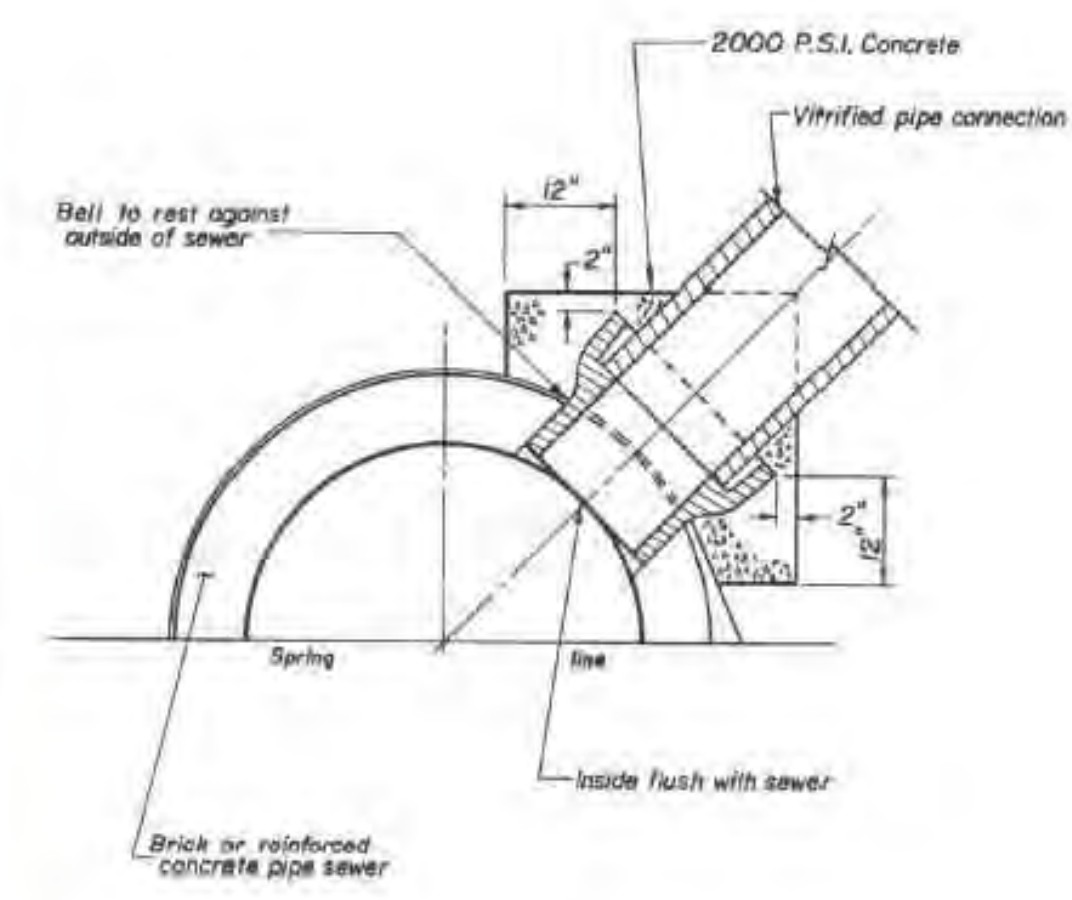
**VENT PIPE IN PAVING OR SIDEWALK DETAIL**



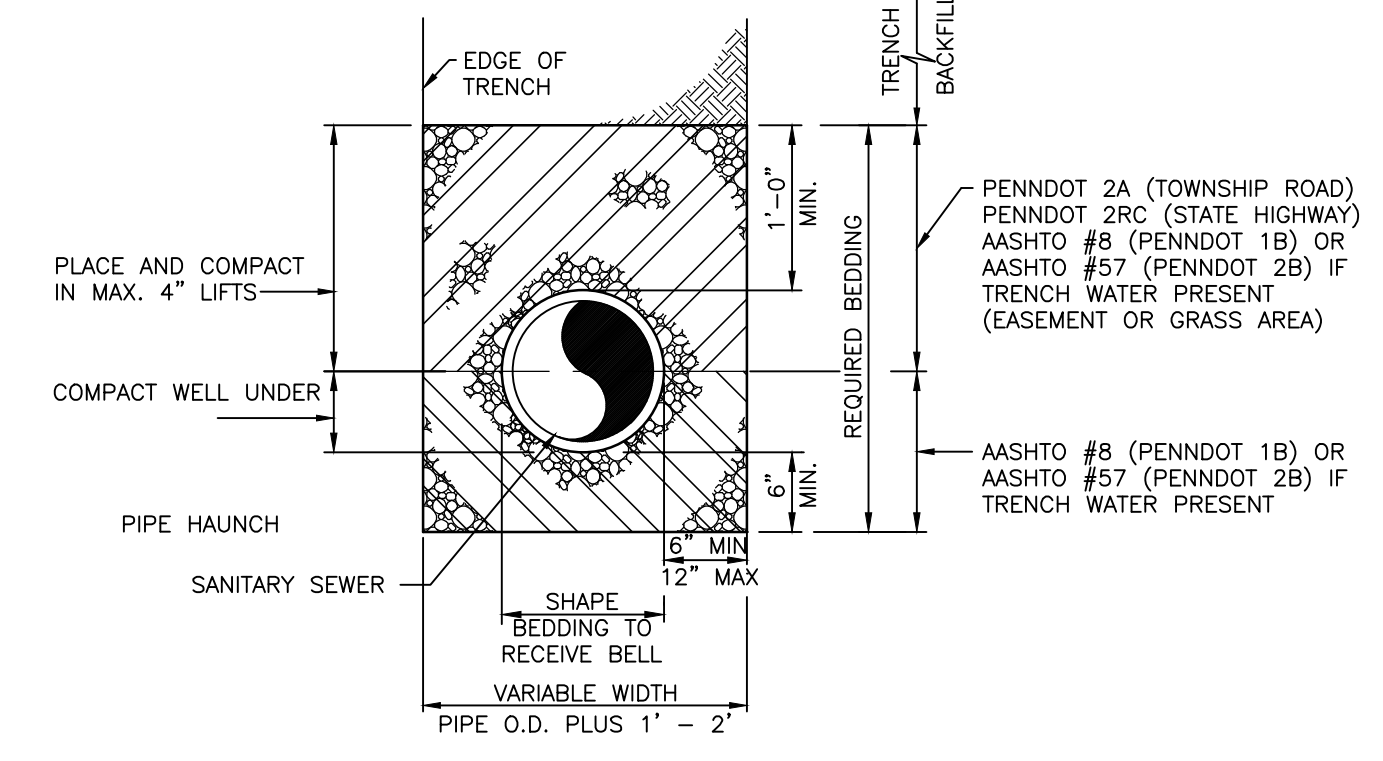
**NOTES:**  
 1. BUILDING SEWER FROM RIGHT-OF-WAY LINE TO BUILDING PLUMBING SYSTEM SHALL CONFORM TO THE IBC NATIONAL PLUMBING CODE AND CITY OF PHILADELPHIA PLUMBING CODE.  
 2. TEMPORARY PIPE PLUG TO REMAIN IN LATERAL UNTIL CONSTRUCTION OF BUILDING SEWER OCCURS. BUILDING SEWER SHALL BE PLUGGED AT TEST TEE UNTIL CONSTRUCTION IS COMPLETED AND TESTED.  
 3. PIPE TO BE EMBEDDED IN AGGREGATE (SEE PIPE EMBEDMENT DETAIL).



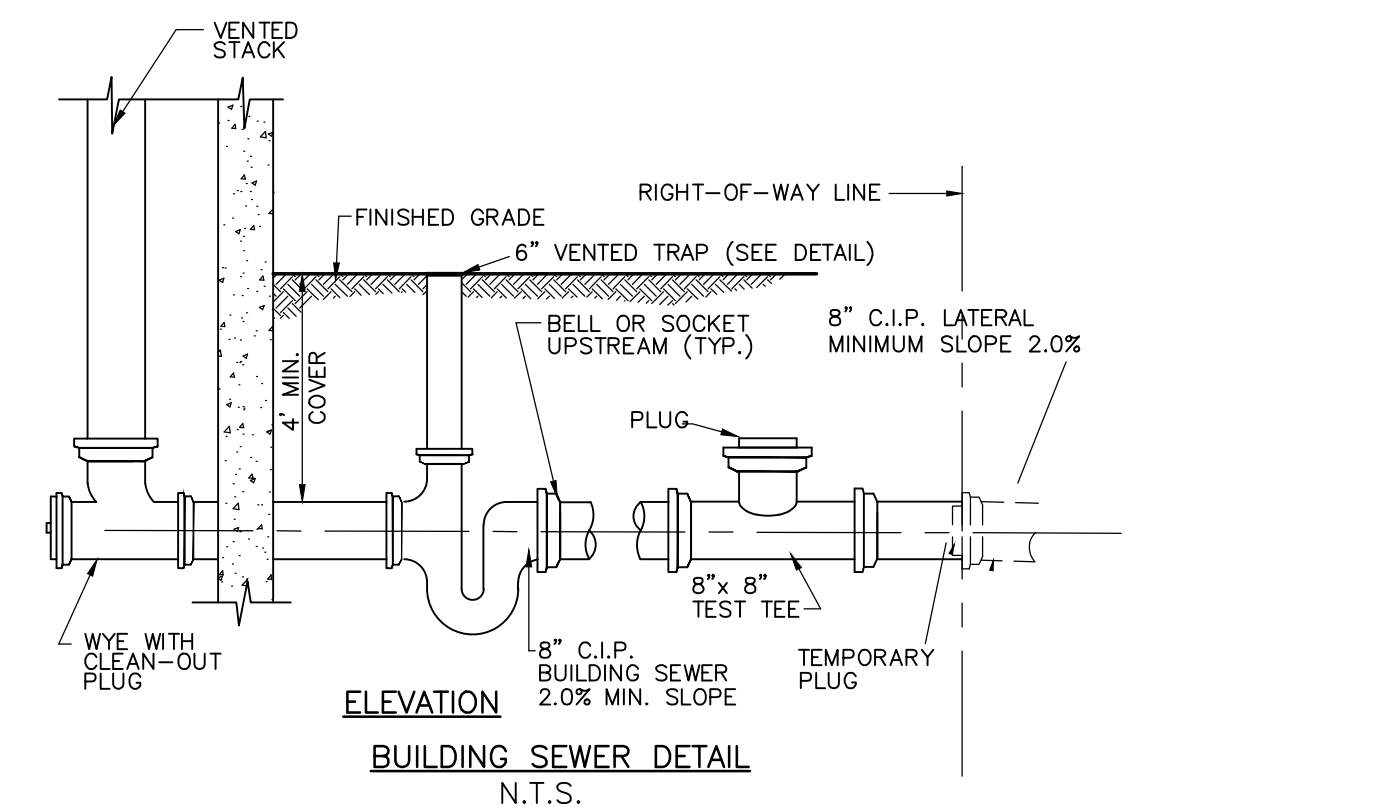
**TYPICAL STORM PIPE CLEANOUT AT RIGHT-OF-WAY DETAIL**  
N.T.S.



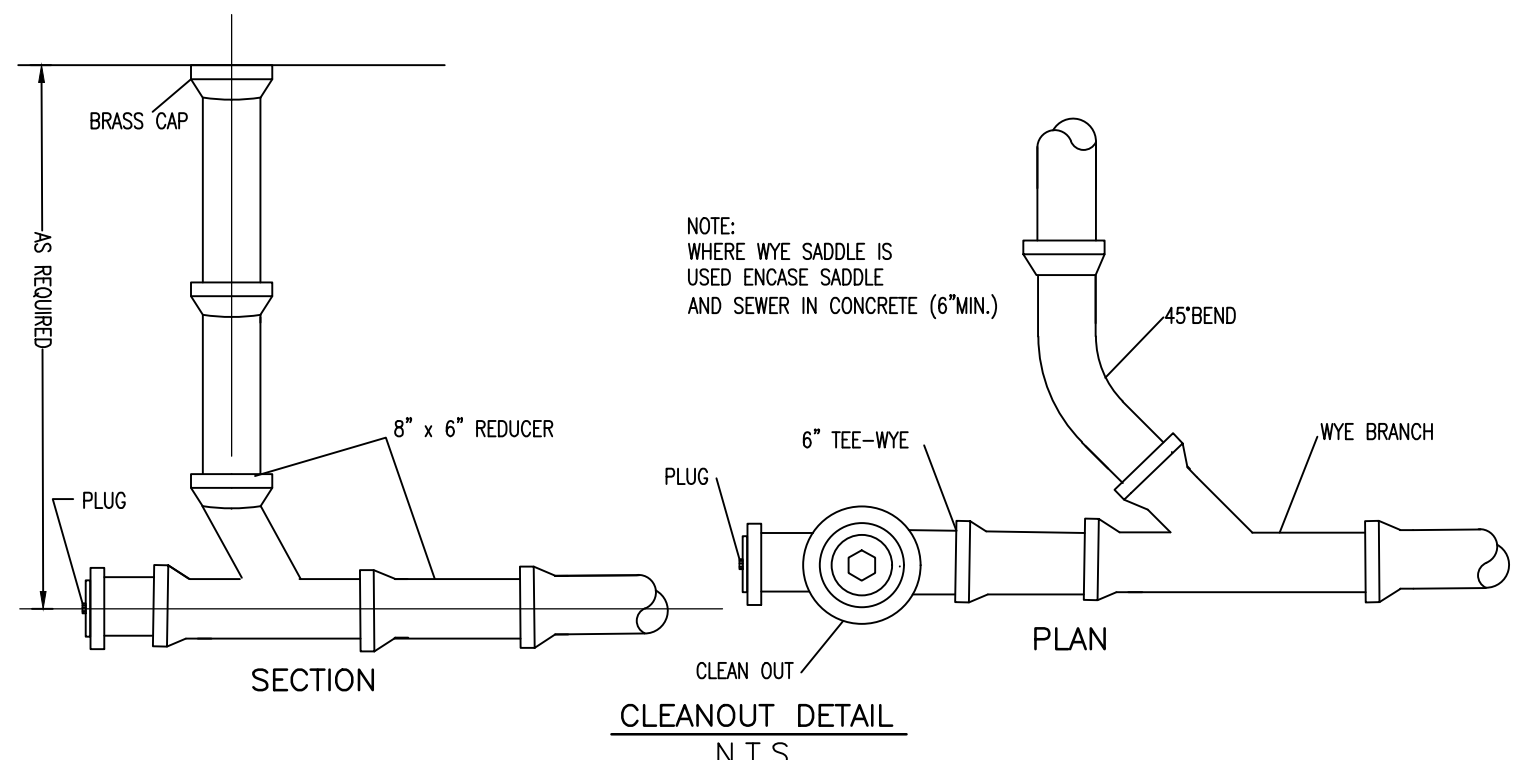
**SADDLE CONNECTION TO BRICK OR R.C. PIPE SEWERS**



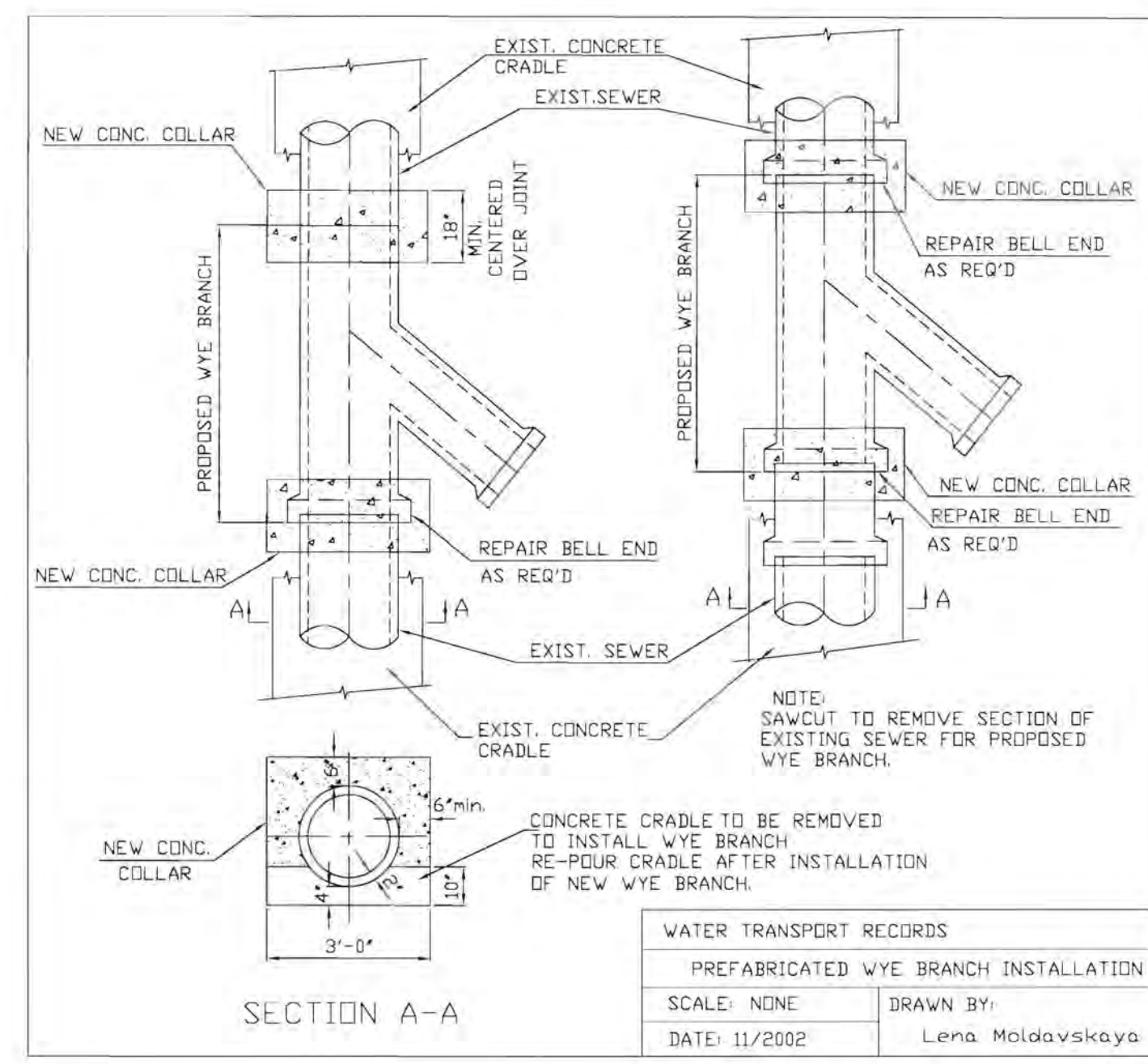
**C.I.P. OR R.C.P. PIPE EMBEDMENT**  
N.T.S.



**BUILDING SEWER DETAIL**  
N.T.S.

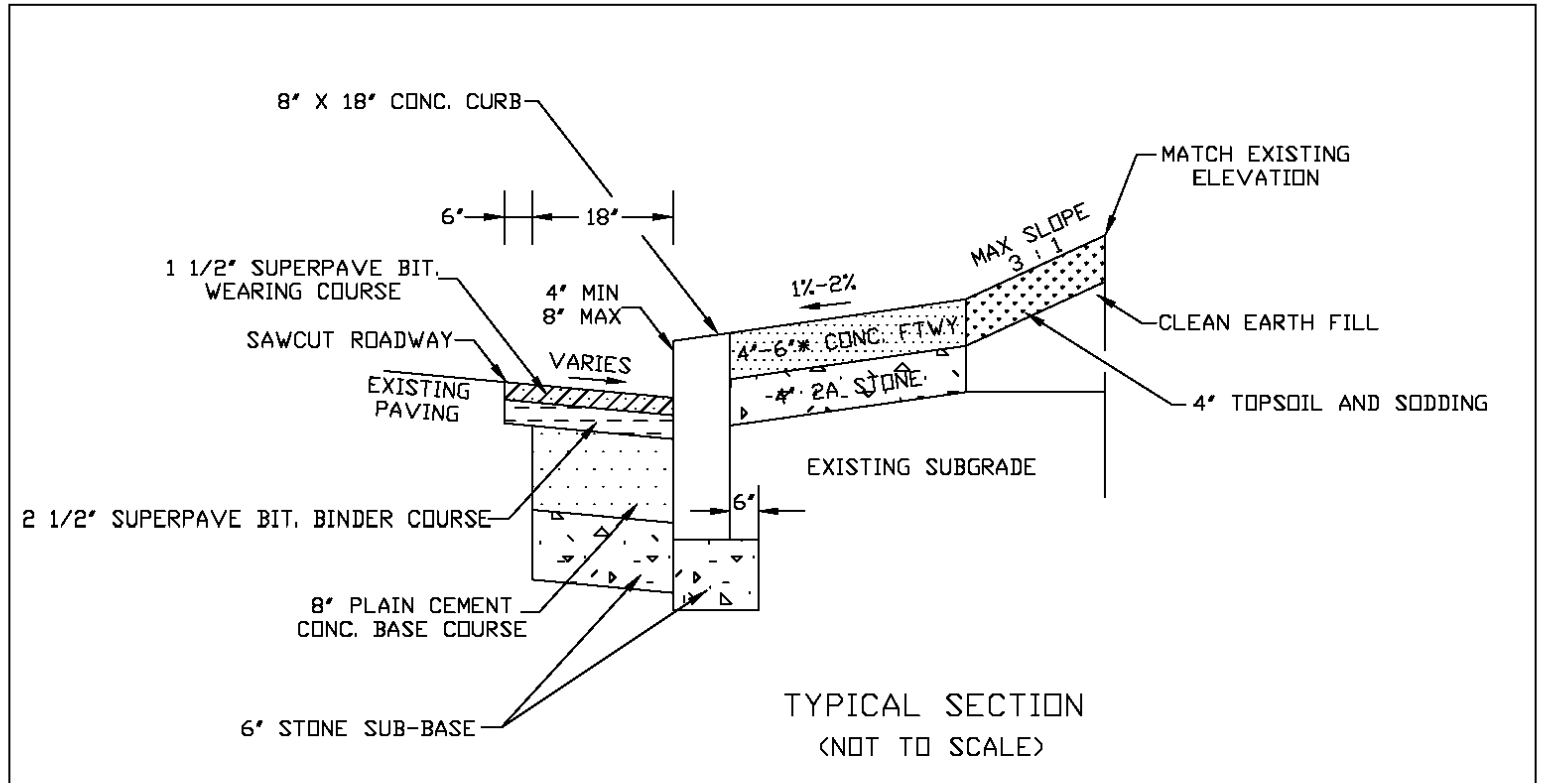


**CLEANOUT DETAIL**  
N.T.S.



**WYE CONNECTION STANDARD DETAIL**  
N.T.S.

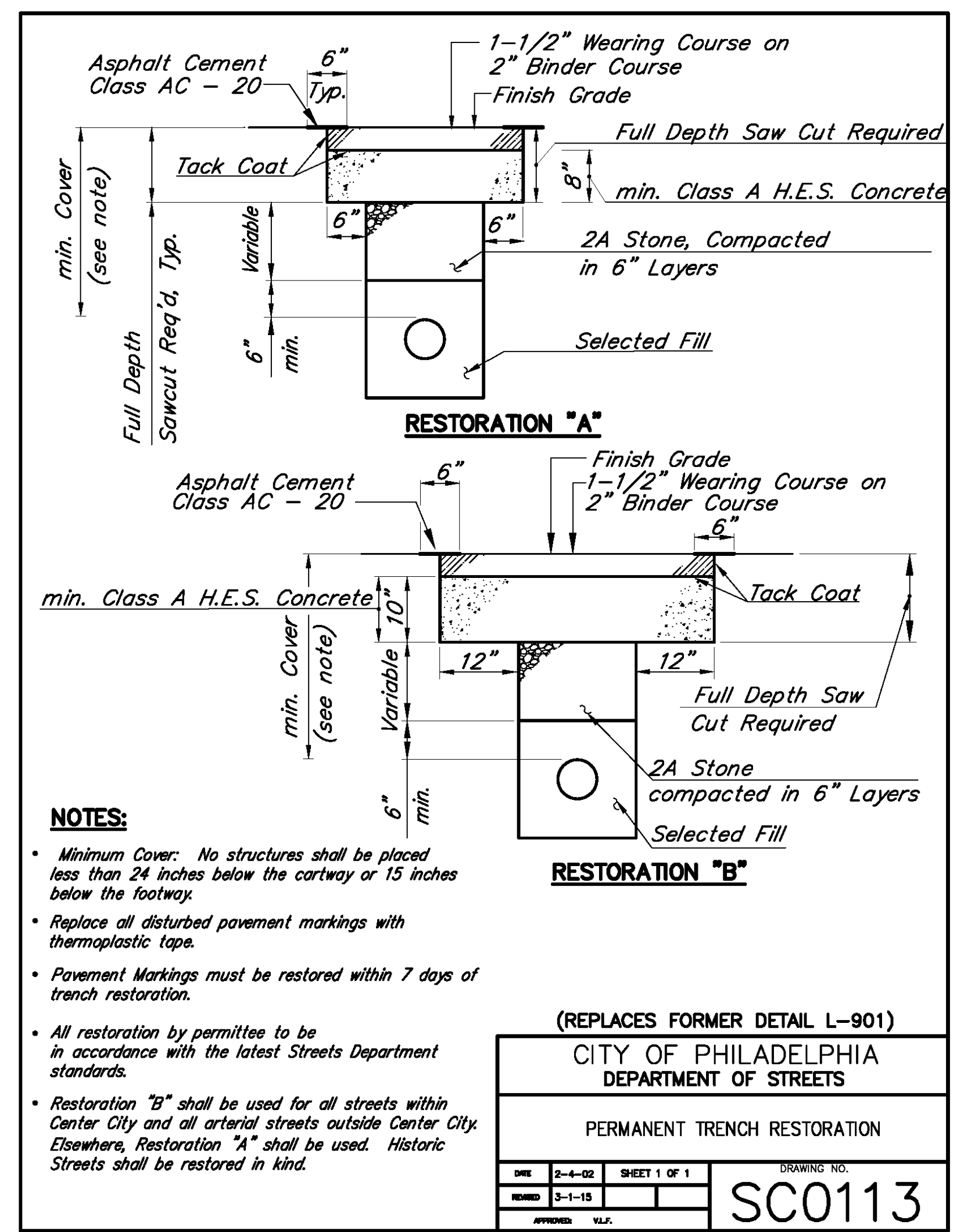
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SCALE:	NONE
DRAWN BY:	Lena Moldavskaya



**CONCRETE CURB**

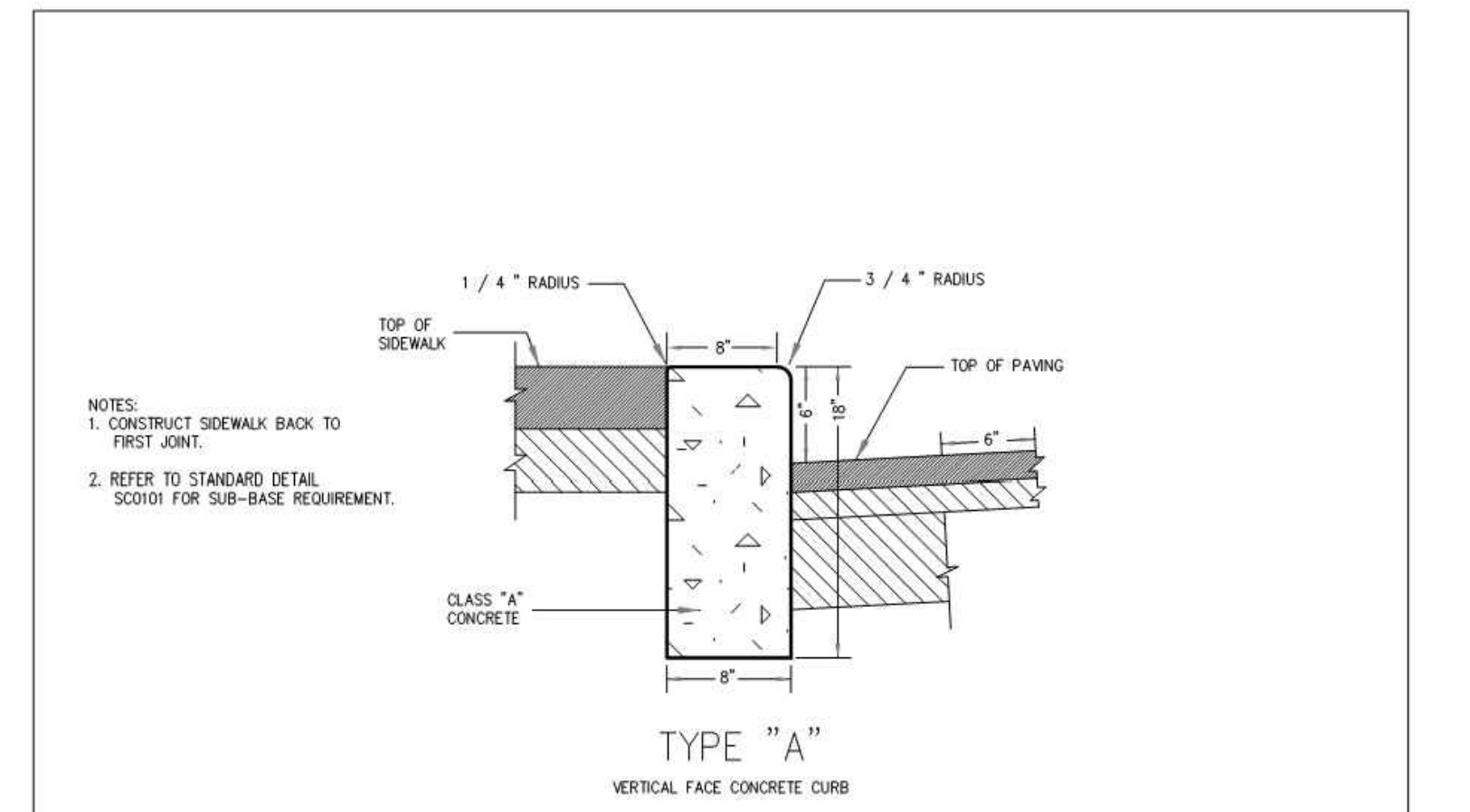
\* 6" WITHIN ADA RAMP CONSTRUCTION LIMITS

CITY OF PHILADELPHIA DEPARTMENT OF STREETS	
TYPICAL CURB AND FOOTWAY CONSTRUCTION AND ROADWAY RESTORATION CONCRETE & GRANITE	
DATE:	8-12-12
REVISION:	3-1-15
APPROVED:	V.L.F.
SHEET 1 OF 1	DRAWING NO. SC0101

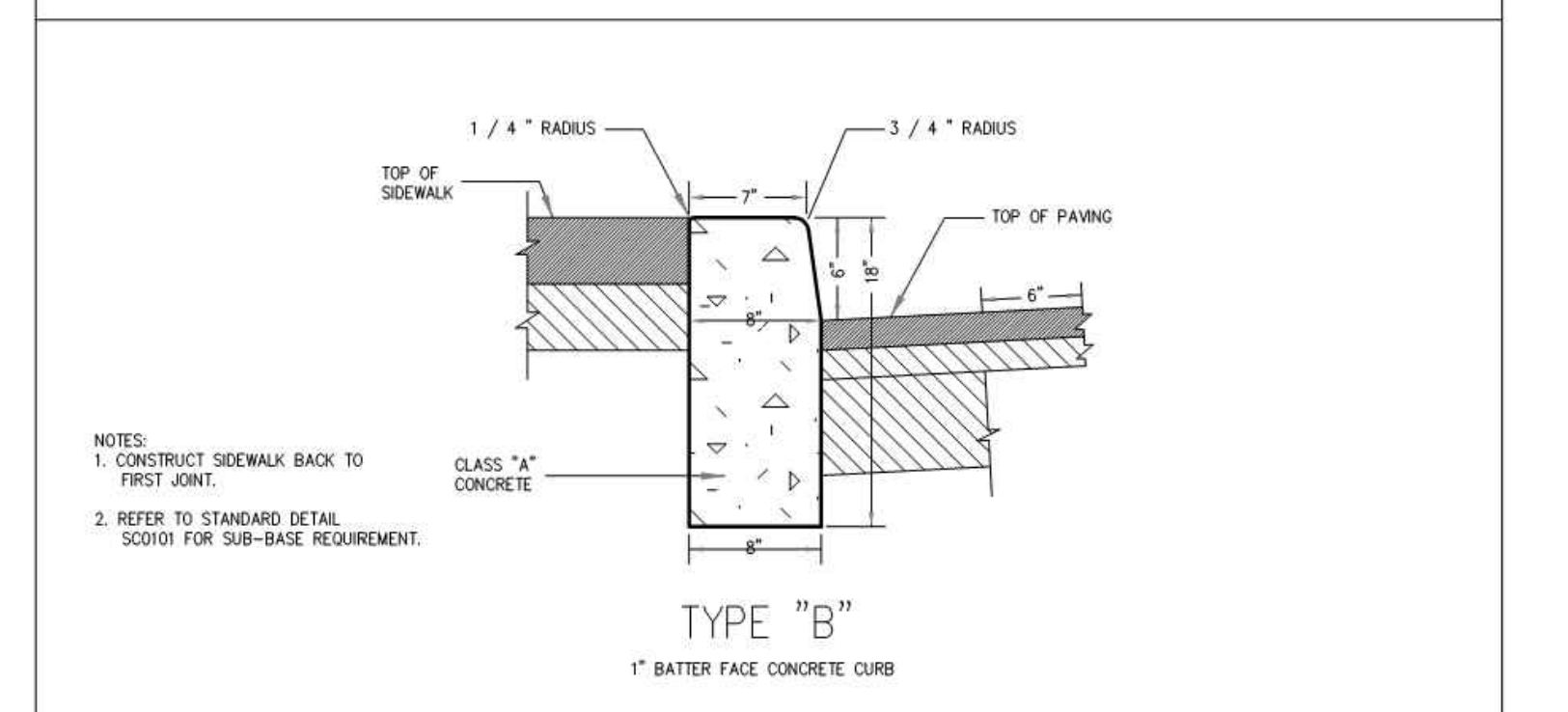


**NOTES:**  
 • Minimum Cover: No structures shall be placed less than 24 inches below the roadway or 15 inches below the footway.  
 • Replace all disturbed pavement markings with thermoplastic tape.  
 • Pavement Markings must be restored within 7 days of trench restoration.

(REPLACES FORMER DETAIL L-901)	
CITY OF PHILADELPHIA DEPARTMENT OF STREETS	
PERMANENT TRENCH RESTORATION	
DATE:	2-4-02
REVISION:	3-1-15
APPROVED:	V.L.F.
SHEET 1 OF 1	DRAWING NO. SC0113



**TYPE "A"**  
VERTICAL FACE CONCRETE CURB



**TYPE "B"**  
1' BATTER FACE CONCRETE CURB

(REPLACES FORMER DETAIL L-779)	
CITY OF PHILADELPHIA DEPARTMENT OF STREETS	
STANDARD CONCRETE CURB CONSTRUCTION TYPES "A" & "B"	
DATE:	12/29/05
REVISION:	3/01/15
APPROVED:	V.L.F.
SHEET 1 OF 1	DRAWING NO. SC0102

**NOT FOR CONSTRUCTION**

CLIENT DATA

**Cornerstone**  
 Consulting Engineers & Design Services, Inc.  
 213 West Main Street, Lansdale, PA 19446  
 Phone: 215-362-2600, Fax: 215-362-8400  
 WWW.CORNERSTONEINC.COM  
 Lehigh Valley Region 610-820-5200  
 Philadelphia Region 215-362-2600  
 Pocono Region 570-839-1770

NO.	BY	DESCRIPTION	DATE
1			1/2/2024

PENNSYLVANIA ONE CALL SYSTEM, INC.  
 923 Irwin Road  
 West Mifflin, Pennsylvania 15122-1078  
**811**  
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**J.B. ANDERSON**  
 PROFESSIONAL ENGINEER  
 DELAWARE LICENSE NO. PE 13428  
 PENNSYLVANIA LICENSE NO. PE 055536  
 MARYLAND LICENSE NO. 20113  
 NEW JERSEY LICENSE NO. 24684520480  
 VIRGINIA LICENSE NO. 680184525

**PROJECT LOCATION**  
 CONSTRUCTION DOCUMENTS  
 FOR  
 REBUILD - VINCENT G. PANATI  
 PLAYGROUND  
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 W. LIPPINCOTT & N. 22ND STREETS  
 CITY OF PHILADELPHIA  
 PENNSYLVANIA, 19132

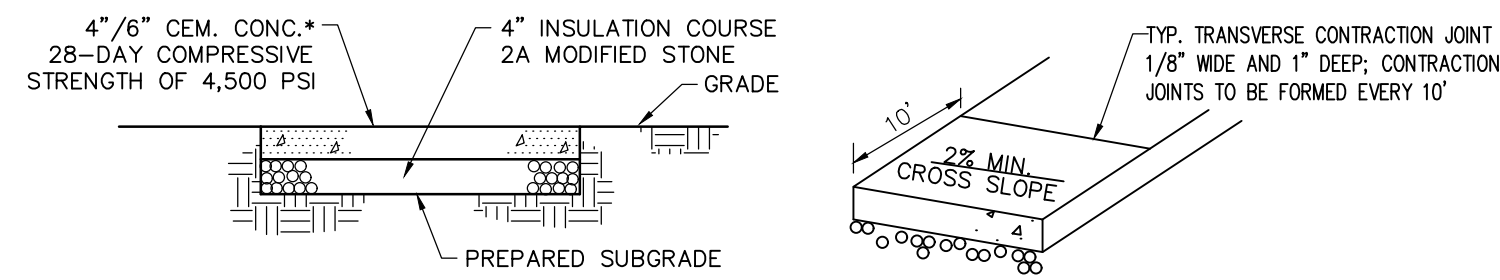
PREPARED FOR:  
 CITY OF PHILADELPHIA

**TITLE**  
 DETAILS

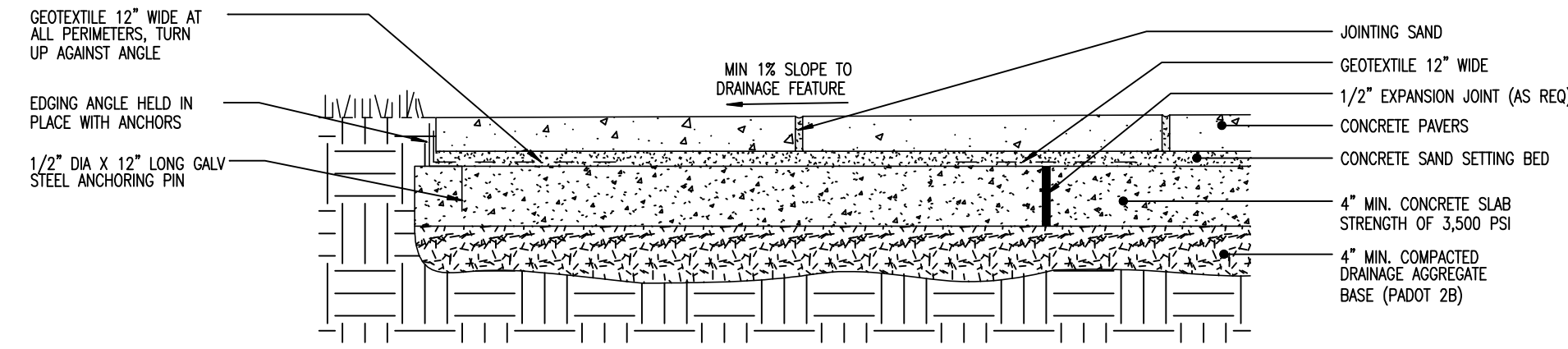
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PROJ. #	24-0501
DATE	02/05/2024
CAD ID	23-0501
DRN BY	MD
SCALE	AS NOTED
CHK BY	JBA

C1.6  
 REVISION 0

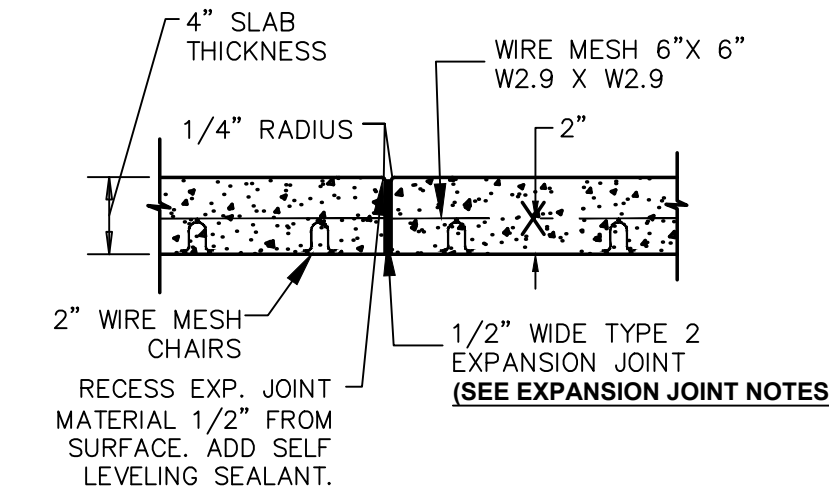




**ON SITE CONCRETE DETAIL**  
NOT TO SCALE



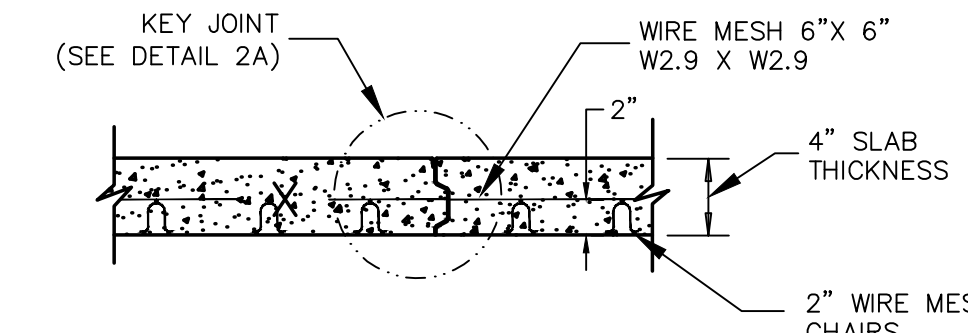
**CONCRETE PAVER ASSEMBLY DETAIL**  
N.T.S.



**CONC. MAT AND EXPANSION JOINT DETAIL**  
N.T.S.

**NOTES:**

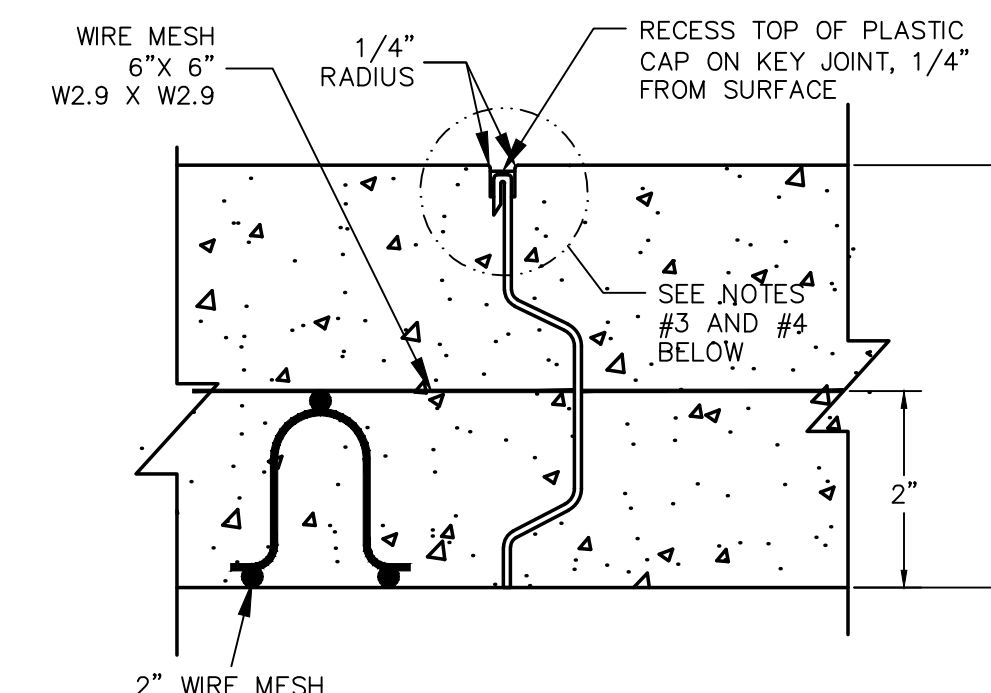
- FOR WIRE MESH, SEE GENERAL NOTE #5
- FOR WIRE MESH CHAIRS, SEE GENERAL NOTE #6



**KEY JOINT BETWEEN CONC. MAT**  
SCALE: NTS

**NOTES:**

- FOR WIRE MESH, SEE GENERAL NOTE #5
- FOR WIRE MESH CHAIRS, SEE GENERAL NOTE #6



**ENLARGED KEY JOINT SECTION**  
SCALE: NTS

**NOTE:**

- KEY JOINTS:
  - DAYTON SUPERIOR G-33 SCREED KEY JOINT (FOR 4", 5", & 6" SLABS)
  - DAYTON SUPERIOR G-34 LOAD KEY JOINT (8" & 10" SLABS)
  - ALABAMA METALS VULCAN SCREED KEY
  - "FORM-A-KEY" KEY LOC
    - 7 1/2" KEY FOR 8" SLAB
    - 5 1/2" KEY FOR 6" SLAB
    - 1/2" KEY FOR 4" SLAB
- RECESS KEY JOINT 1/4" FROM SURFACE TO TOP OF PLASTIC CAP ON KEY JOINT. TOOL CONCRETE EDGES 1/4" RADIUS
- USE PLASTIC CAP STRIP (DAYTON SUPERIOR G-38). REMOVE CAP AFTER CONCRETE POUR.
- INSTALL SELF LEVELING SEALANT USED FOR EXPANSION JOINTS, SEE EXPANSION JOINT NOTES (NOTE C).

**GENERAL NOTES:**

- CONCRETE WORK AND MATERIALS TO CONFORM TO ALL REQUIREMENTS OF THE LATEST REVISIONS OF CODES ACI 301 & ACI 318.
- USE 4500 PSI CONCRETE (OR AS NOTED ON THE PLAN) (READY-MIXED ASTM C-94 OR MIXED-ON-JOB ACI 304), (SLUMP 2"-4", MIN WATER / CEMENT RATIO 0.4 TO 1, AIR CONTENT SHALL BE 4.5 % MIN AND 7.5% MAX).
- ANCHOR BOLTS TO BE ASTM A-307 STEEL.
- REINFORCING STEEL TO BE ASTM A-615 GRADE 60 KSI, DEFORMED BILLET STEEL BARS.
- WIRE MESH TO BE ASTM A-185 ELECTRIC WELDED WIRE FABRIC (6" x 6"-W2.9 x W2.9). MESH IS TO BE OVERLAPPED 6" AND TO BE EXTENDED TO WITHIN 3" OF JOINTS AND EDGE OF MAT (WIRE MESH TO BE IN FLAT SHEETS, NOT ROLLS).
- FOR SUPPORT OF ALL WIRE MESH IN SLABS USE 2" WIRE MESH CHAIRS (MAS-CON OR EQUAL), SPACED AT 4 FT INTERVALS.
- UNSATISFACTORY SUB-GRADE MATERIAL MUST BE REMOVED
- FILL MATERIAL MUST MEET SPECIFICATION AST M-33 FOR CRUSHED STONE. FILL UNDER CURBS, WALKS, DRIVEWAYS AND TRASH ENCLOSURE, SHALL BE 4" (MINIMUM) OF CRUSHED STONE.
- CONCRETE PLACEMENT NOT PERMITTED WHEN TEMPERATURE IS BELOW 40°F AND FALLING OR BELOW 30°F AND RISING. DO NOT POUR CONCRETE IF BACKFILL IS FROZEN.
- TEMPORARY FORMS TO REMAIN IN PLACE FROM 24 TO 72 HOURS.
- CONSTRUCTION LOADS NOT PERMITTED BEFORE 7 DAYS WITHOUT OWNER APPROVAL.
- THE ONLY OWNER APPROVED USE OF CONCRETE PRIOR TO 7 DAYS CURING IS THE USE OF HIGH EARLY STRENGTH CONCRETE (4000 PSI WITH ASTM C-150 TYPE III PORTLAND CEMENT) FOR SLABS SPECIFICALLY DESIGNATED AT OPERATING LOCATIONS FOR VEHICULAR TRAFFIC AFTER 72 HOURS.
- TOP OF WALKS & SLABS TO RECEIVE A FINE BROOM FINISH AND BE SEALED PER SPECIFICATIONS.
- USE HYDRAULIC CEMENT "S-STAR GROUT" OR APPROVED EQUAL FOR BASE PLATE GROUT (NON-SHRINK) AND BUMPER POST.
- REINFORCING WIRE MESH MINIMUM COVER IS 2".
- SLOPE CONCRETE MATS IN ACCORDANCE WITH GRADING PLAN.
- EXPOSED CORNERS ON CONCRETE FOOTINGS SHALL BE CHAMFERED 3/4".
- VOIDS ON ANY FORMED CONCRETE SURFACES ARE TO BE POINTED-UP WITH 1:2 CEMENT MORTAR MIX AND ALL SURFACES WETTED AND RUBBED WITH CARBORUNDUM BRICK OR OTHER ABRASIVE UNTIL UNIFORM COLOR AND TEXTURE IS PRODUCED.
- CONCRETE SEALER
  - ALL HORIZONTAL CONCRETE SHOULD BE SEALED WITH V-SEAL 102 EXCEPT STAMPED CONCRETE
  - ALL HORIZONTAL STAMPED CONCRETE SHOULD BE SEALED WITH V-SEAL 101
  - W.R. MEADOWS VOOCON-30 WILL BE REPLACED BY V-SEAL 102 FOR ALL CONCRETE SEALING APPLICATIONS
  - V-SEAL SHOULD BE APPLIED ACCORDING TO THE ATTACHED APPLICATION SPECIFICATIONS.
- NEW CONCRETE:
  - APPLY V-SEAL 102 AS A CURING AGENT AFTER ALL BLEED WATER IS GONE, FINISHING IS COMPLETE, AND CONCRETE CAN WITHSTAND THE WEIGHT OF A PERSON WITHOUT MARRING BROOMED SURFACE. (DEPENDING ON ATMOSPHERIC CONDITIONS CURING CAN VARY FROM 3-12 HOURS FROM FINAL FINISHING.)
  - NEWLY POURED CONCRETE SHOULD NOT BE SUBJECTED TO RAIN OR OTHER SOURCES OF WATER PRIOR TO OBTAINING SURFACE HARDNESS. APPLY UNIFORMLY USING A LOW PRESSURE SPRAYER. COVERAGE RATE DEPENDS OF POROSITY OF CONCRETE. THE PRODUCT SHOULD PRODUCE AN EVEN WET SHEEN WITH NO PUDDLES. PUDDLES SHOULD BE IMMEDIATELY DISPERSED WITH LIGHT ROLLING, BEING CAREFUL NOT TO MAR SURFACE. PRODUCT SHOULD BE COMPLETELY ABSORBED IN APPROXIMATELY 1 MINUTE LEAVING A CLEAR FINISH. SURFACE SHOULD BE DRY TO TOUCH IN 1-3 HOURS, BUT SHOULD NOT BE WALKED ON FOR AT LEAST 6 HOURS.
  - A SECOND COAT OF V-SEAL 102 SHOULD BE APPLIED WITHIN 7 TO 10 DAYS OF THE FIRST COAT USING A LOW PRESSURE SPRAYER AND BACK ROLLING FOR BETTER ABSORPTION. CONCRETE SHOULD BE DRY TO THE TOUCH AFTER 3 HOURS AND CAN BE OPENED TO TRAFFIC IN 6-12 HOURS (DEPENDING ON ABSORPTION AND DRYING RATE).
- EXISTING CONCRETE:
  - ENSURE SURFACE IS CLEAN AND FREE OF DIRT, OIL, MILDEW, PAINT, AND TOPICAL COATINGS. ALSO ENSURE THAT SURFACE IS DRY. APPLY V-SEAL 102 WITH A LOW PRESSURE SPRAYER. SPECIFIC COVERAGE RATE IS BASED UPON SUBSTRATE POROSITY. THE PRODUCT SHOULD PRODUCE AN EVEN WET SHEEN WITH NO PUDDLES. PUDDLES SHOULD BE IMMEDIATELY DISPERSED WITH LIGHT ROLLING. PRODUCT SHOULD BE COMPLETELY ABSORBED IN APPROXIMATELY 1 MINUTE LEAVING A CLEAR FINISH. CONCRETE SHOULD BE DRY TO THE TOUCH AFTER 3 HOURS AND CAN BE OPENED TO TRAFFIC IN 6-12 HOURS (DEPENDING ON ABSORPTION AND DRYING RATE).

**NOTES ON EXPANSION JOINT TYPES:**

- TYPE 1 FLEXIBLE FOAM EXPANSION JOINT CERAMAR AS MFG. BY W.R. MEADOWS OR EQUIVALENT USED TO FOLLOW CURB OF ISLAND FORM AND COLUMNS. RECESS EXP JOINT. 1/4" FROM SURFACE
- TYPE 2 FIBER EXPANSION JOINT COMPOSED OF CELLULAR FIBERS BONDED WITH ASPHALT AS MFG. BY W.R. MEADOWS OR EQUIVALENT. (SEALTIGHT FIBERS EXPANSION JOINT FILLER CAPPED WITH W.R. MEADOWS SNAP CAP 1/2" SIZE) RECESS EXP JOINT. 1/4" FROM SURFACE.
- SEALANT USED FOR EXPANSION JOINTS TYPE 1 AND TYPE 2 ARE SPECIFIED AS "TMC" 900/901 MANUFACTURED BY TREMO SEALTIGHT GARDON MANUFACTURED BY W.R. MEADOWS SWA SINGLE COMPONENT URETHANE SEALANT "1A" IS RESISTANT TO OIL AND GAS, AND IS SELF LEVELING AND GUNNABLE NON-SAGGING TYPE. (COLOR: GRAY)

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**PROJECT LOCATION**  
CONSTRUCTION DOCUMENTS FOR  
REBUILD - VINCENT G. PANATI PLAYGROUND  
3101-27 N. 22ND STREET  
W. LIPPINCOTT & N. 22ND STREETS  
CITY OF PHILADELPHIA  
PENNSYLVANIA, 19132  
PREPARED FOR:  
CITY OF PHILADELPHIA

**TITLE**  
DETAILS

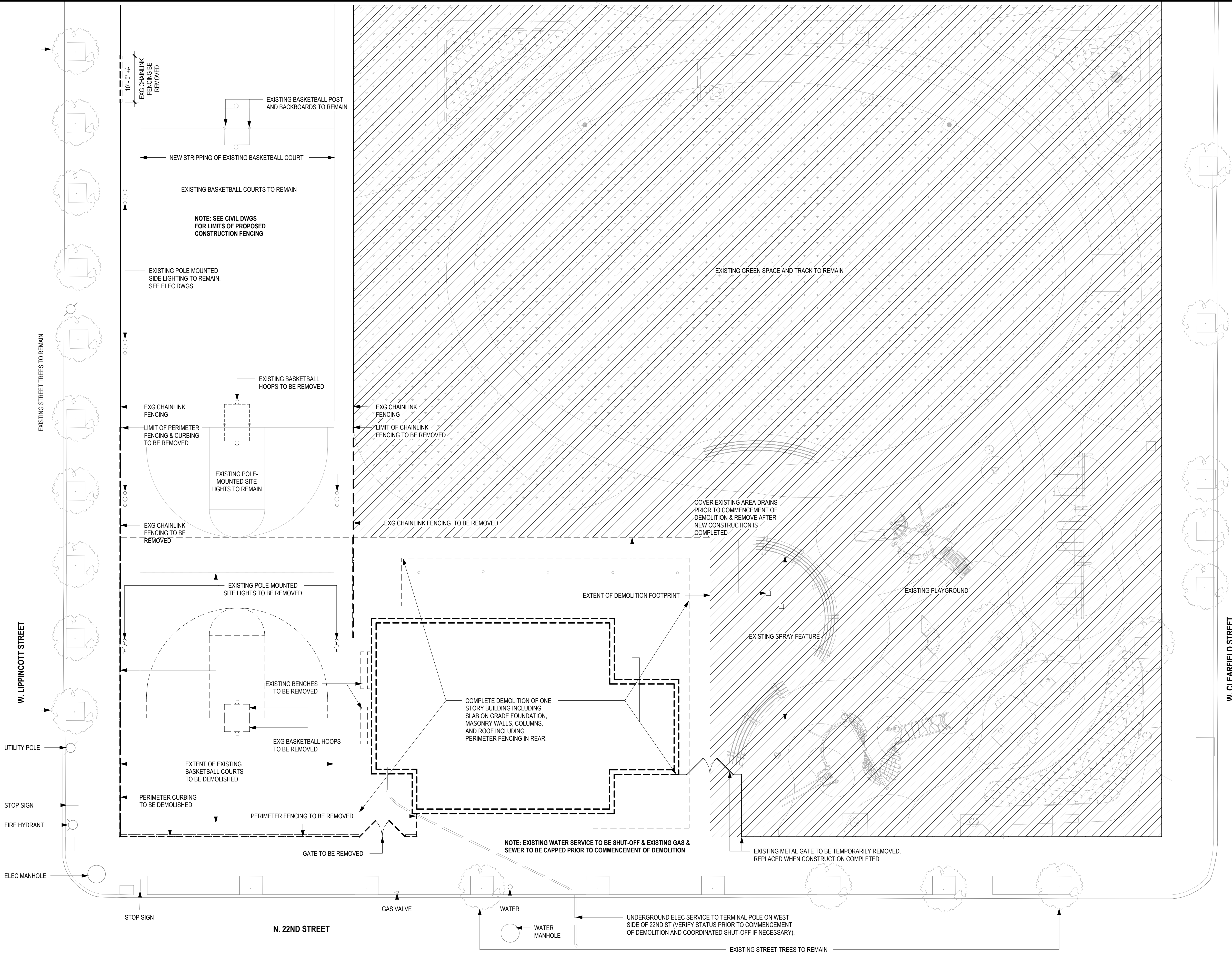
PROJ. #	23-0501	DATE	02/05/2024
CAD ID.	23-0501	DRN BY	MD
SCALE	AS NOTED	CHK BY	JBA

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REVISION 0



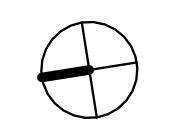
**GENERAL DEMO NOTES**

1. CONTRACTOR TO VERIFY ALL FIELD DIMENSION AND INFORM ARCHITECT OF ALL DISCREPANCIES PRIOR TO COMMENCEMENT OF ALL WORK.
2. CONTRACTOR TO PROTECT ALL ITEMS TO REMAIN.
3. CONTRACTOR TO COORDINATE SALVAGE OF EXISTING ITEMS WITH OWNER. ITEMS NOTED FOR SALVAGE SHALL BE STORED AND PROTECTED.
4. CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADES, AND OTHER FORMS OF PROTECTIONS AS REQUIRED TO PROTECT WORKERS AND THE GENERAL PUBLIC FROM INJURY OR SICKNESS DUE TO DEMOLITION WORK.
5. CONTRACTOR TO REPAIR DAMAGES CAUSED TO ADJACENT SPACES / FACILITIES BY DEMOLITION WORK.
6. ADJACENT SPACES TO WORK AREAS TO BE PROTECTED THROUGHOUT DEMOLITION AND NEW CONSTRUCTION PHASES.
7. PRIOR TO COMMENCEMENT OF DEMOLITION, CONTRACTOR TO COORDINATE CUTTING AND CAPPING (TEMPORARY OR OTHERWISE) OF ALL UTILITIES COMING INTO THE "EXTENT OF DEMOLITION FOOTPRINT" AREA.
8. SALVAGE AND RETURN BUILDING MOUNTED SECURITY CAMERA SYSTEM TO OWNER, INCLUDING CAMERA, MONITOR, RECORDING EQUIPMENT. ADD ALTERNATE TO REPLACE THE SITE SECURITY CAMERAS WITH NEW BUILDING MOUNTED SYSTEM.
9. ALL ITEMS TO BE REMOVED AND PROPERLY DISPOSED OF.



E2 DEMOLITION PLAN  
3/32" = 1'-0"

NOT IN CONTRACT



NOT FOR CONSTRUCTION

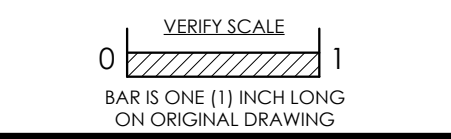
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**PLAYGROUND**  
 for  
**PPR/REBUILD PHILADELPHIA**  
 3101-27 N 22ND ST. PHILADELPHIA PA 19132



No.	Date	By	Description

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Appd.:	CS

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DEMOLITION PLAN

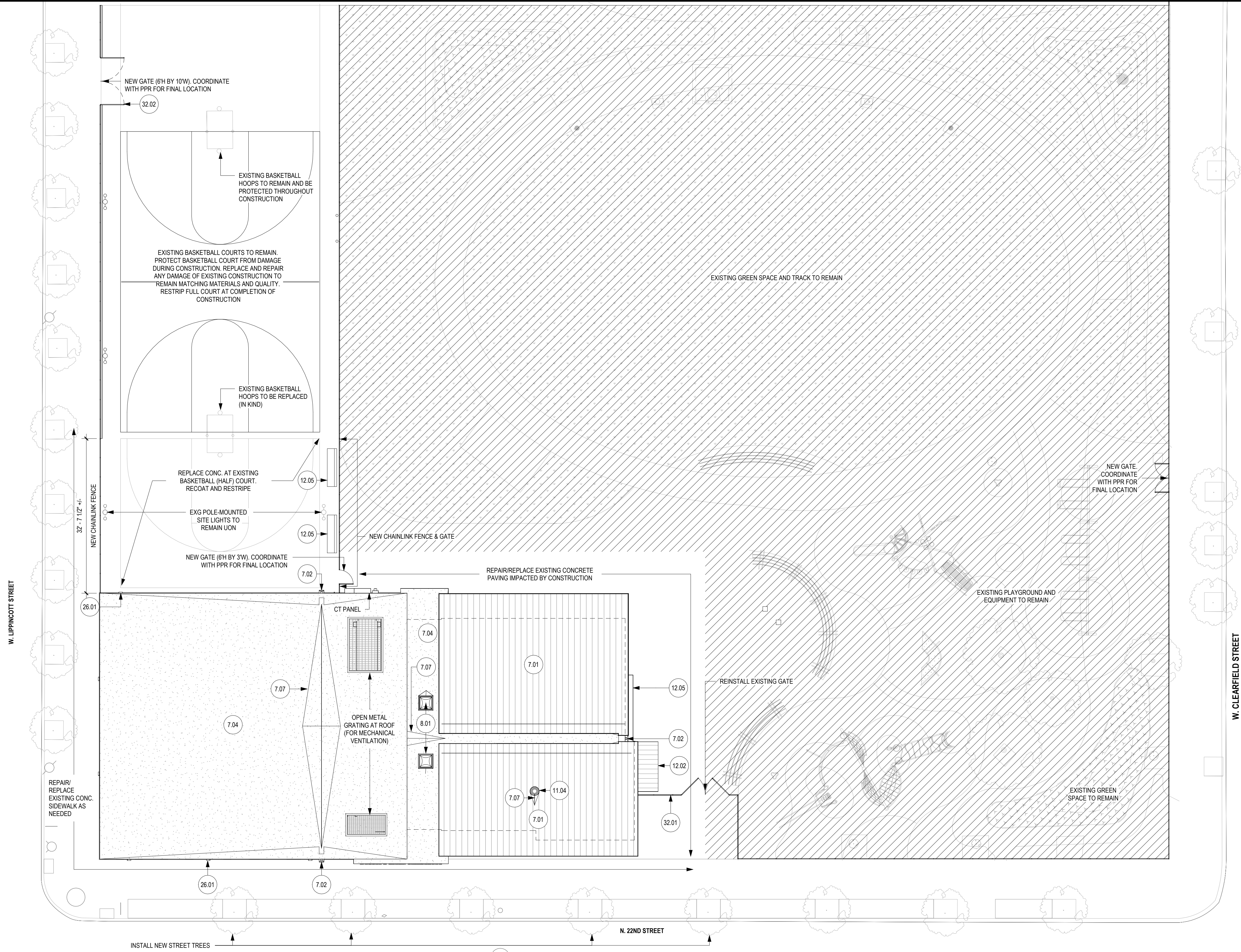
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**NEW WORK GENERAL NOTES**

1. CONTRACTOR TO VERIFY ALL FIELD DIMENSIONS AND INFORM ARCHITECT OF ALL DISCREPANCIES PRIOR TO COMMENCEMENT OF ALL WORK
2. ALL DIMENSIONS ARE TO THE FINISHED FACE OF PARTITIONS, CENTERLINE OF COLUMNS, AND THE CENTERLINE OF MULLIONS UN.
3. DIMENSIONS MARKED \* +/- \* MEAN A TOLERANCE OF NOT GREATER THAN 2 INCHES FROM THE INDICATED DIMENSION UN.

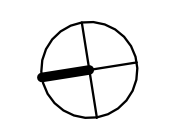


E2 SITE PLAN  
3/32" = 1'-0"

**KEYNOTE LEGEND**

KEY	DESCRIPTION
7.01	STANDING SEAM METAL ROOF
7.02	SCUPPER AND DOWNSPOUT
7.04	MEMBRANE ROOF
7.07	CRICKET
8.01	SKYLIGHT
11.04	KITCHEN HOOD EXHAUST FAN - SEE MEP & F.S. DWGS
12.02	TRASH ENCLOSURE
12.05	BENCH
26.01	EXTERIOR WALL MOUNTED LIGHT FIXTURE
32.01	NEW FENCE TO MATCH EXISTING
32.02	NEW FENCE GATE TO MATCH EXISTING

NOT IN CONTRACT



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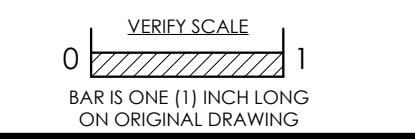
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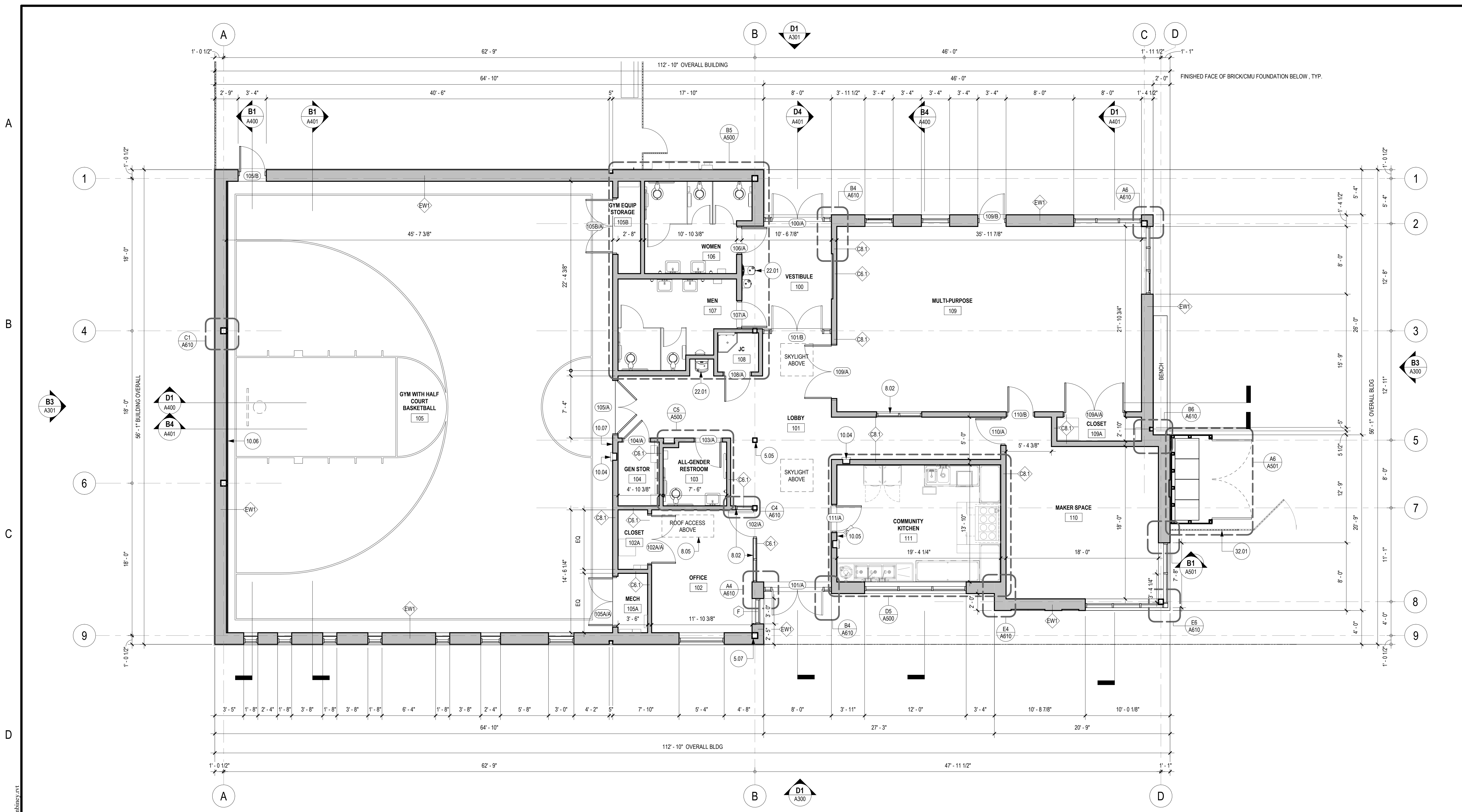
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Date: 02/05/2024  
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Job No.: 604.2  
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Sheet Title:  
**SITE PLAN**

Sheet No.:  
**A100**





D1 FIRST FLOOR PLAN  
3/16" = 1'-0"

**NEW WORK GENERAL NOTES**

- CONTRACTOR TO VERIFY ALL FIELD DIMENSIONS AND INFORM ARCHITECT OF ALL DISCREPANCIES PRIOR TO COMMENCEMENT OF ALL WORK
- ALL DIMENSIONS ARE TO THE FINISHED FACE OF PARTITIONS, CENTERLINE OF COLUMNS, AND THE CENTERLINE OF MULLIONS UNLESS NOTED OTHERWISE.
- DIMENSIONS MARKED \* +/- MEAN A TOLERANCE OF NOT GREATER THAN 2 INCHES FROM THE INDICATED DIMENSION UNLESS NOTED OTHERWISE.

**KEYNOTE LEGEND**

KEY	DESCRIPTION
5.05	HSS 6X6 - SEE STRUCT DWGS
5.07	HSS 8X8 - SEE STRUCT DWGS
8.02	INTERIOR ALUMINUM STOREFRONT SYSTEM
8.05	ROOF ACCESS HATCH
10.04	RECESSED CLASS A FIRE EXTINGUISHER
10.05	RECESSED CLASS K FIRE EXTINGUISHER
10.06	WALL PADS
10.07	BACKSTOP SWITCH - COORDINATE WITH ELEC DWGS
22.01	DRINKING FOUNTAIN WITH BOTTLE FILLER
32.01	NEW FENCE TO MATCH EXISTING

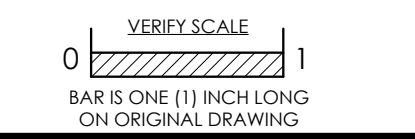
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Sheet Title:  
 FLOOR PLAN

Sheet No.  
**A110**

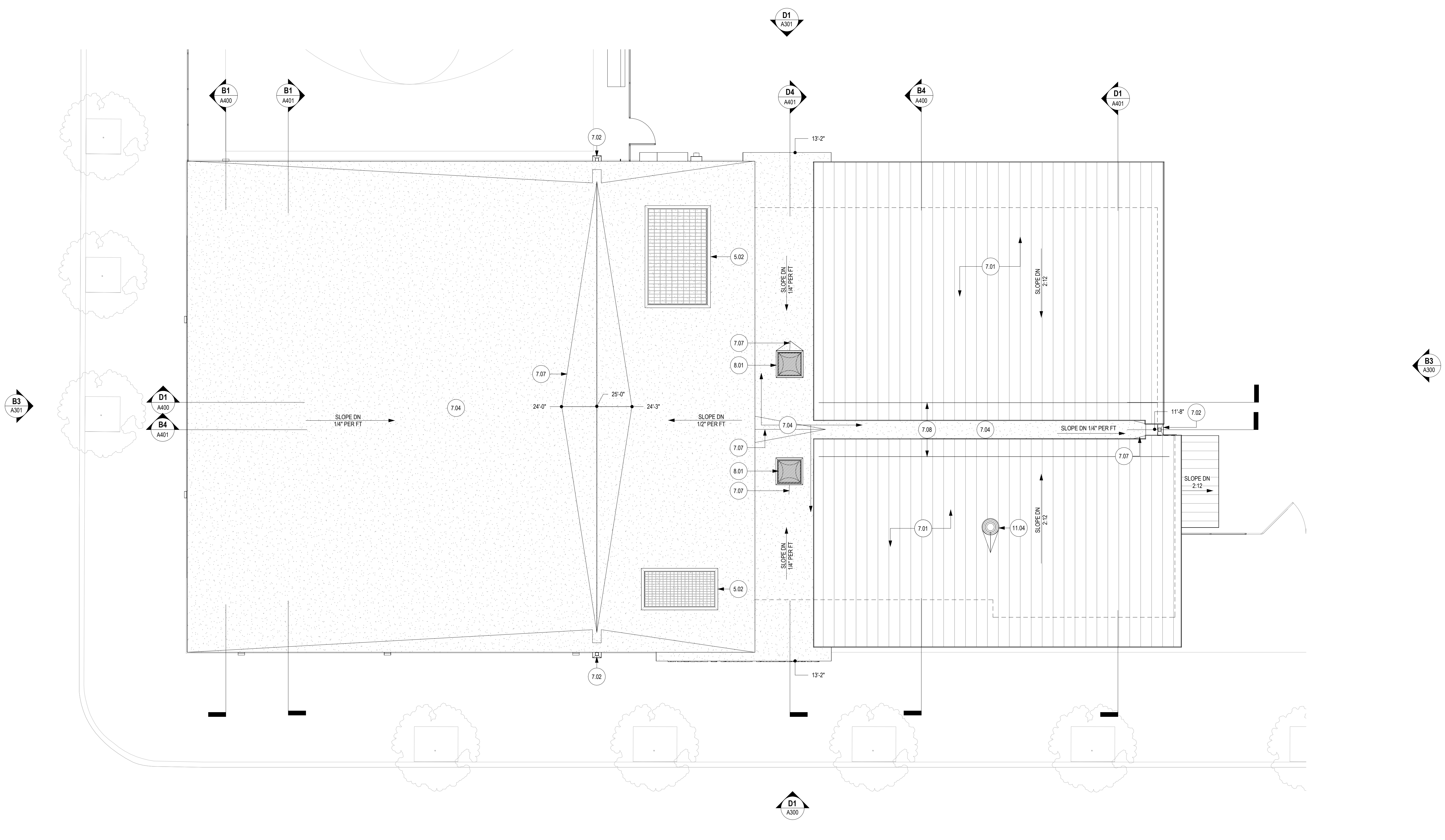
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D1 ROOF PLAN  
3/16" = 1'-0"

**NEW WORK GENERAL NOTES**

- CONTRACTOR TO VERIFY ALL FIELD DIMENSIONS AND INFORM ARCHITECT OF ALL DISCREPANCIES PRIOR TO COMMENCEMENT OF ALL WORK
- ALL DIMENSIONS ARE TO THE FINISHED FACE OF PARTITIONS, CENTERLINE OF COLUMNS, AND THE CENTERLINE OF MULLIONS UON.
- DIMENSIONS MARKED \* +/- \* MEAN A TOLERANCE OF NOT GREATER THAN 2 INCHES FROM THE INDICATED DIMENSION UON.

**KEYNOTE LEGEND**

KEY	DESCRIPTION
5.02	OPEN METAL GRATING
7.01	STANDING SEAM METAL ROOF
7.02	SCUPPER AND DOWNSPOUT
7.04	MEMBRANE ROOF
7.07	CRICKET
7.08	SNOW CLEATS
8.01	SKYLIGHT
11.04	KITCHEN HOOD EXHAUST FAN - SEE MEP & F.S. DWGS

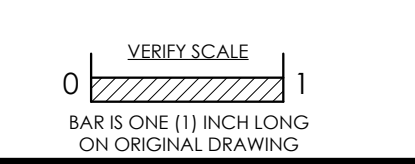
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 ROOF PLAN

Sheet No.  
**A130**

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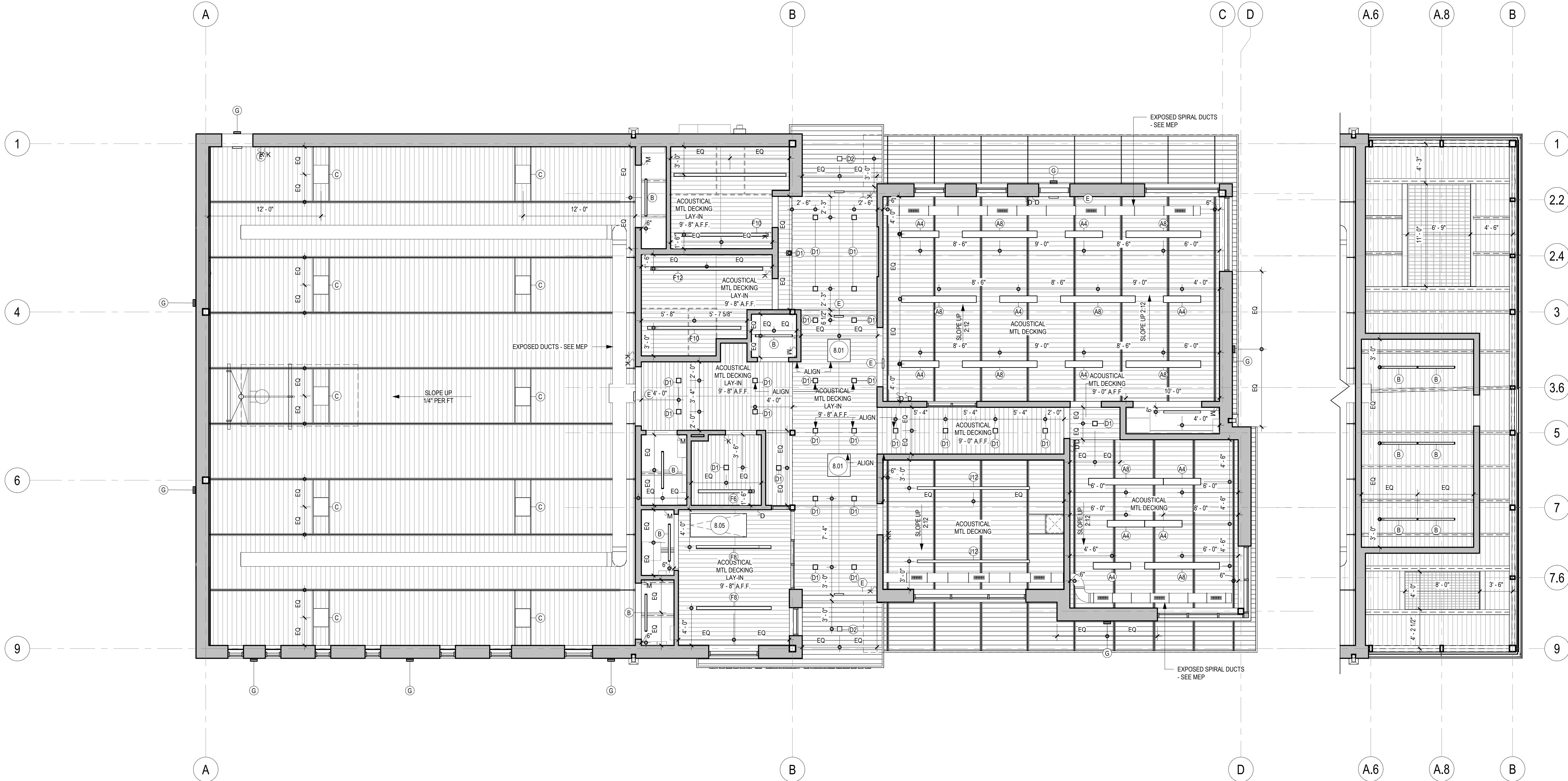
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D1 FIRST FLOOR REFLECTED CEILING PLAN  
3/16" = 1'-0"

D6 MECH MEZZANINE REFLECTED CEILING PLAN  
3/16" = 1'-0"

**REFLECTED CEILING PLAN GENERAL NOTES**

1. CENTER LIGHT FIXTURES IN ROOM / SPACE UON.
2. CONTRACTOR TO COORDINATE LOCATIONS OF ALL CEILING HUNG EQUIPMENT WITH OWNER PRIOR TO INSTALLATION.
3. CONTRACTOR TO PROVIDE ADDITIONAL BLOCKING ABOVE THE CEILING FOR ANY CEILING FOR ANY HUNG PROJECTION SCREENS, AV EQUIPMENT OR CAMERAS.
4. SEE MEP DOCUMENTS FOR ADDITIONAL INFORMATION REGARDING EXIT SIGNAGE LOCATIONS, LIGHT FIXTURES, SWITCHING, ETC.
5. PENDANT LIGHTS 10'-0" AFF UON.
6. BOTTOM OF DUCT AT 10'-0". COORDINATE WITH MECH DWGS.

**KEYNOTE LEGEND**

KEY	DESCRIPTION
8.01	SKYLIGHT
8.05	ROOF ACCESS HATCH

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VERIFIED SCALE  
 BAR IS ONE (1) INCH LONG  
 ON ORIGINAL DRAWING

No.	Date	By	Description

Date: 02/05/2024  
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Sheet Title:  
**REFLECTED CEILING PLANS**

Sheet No.  
**A210**

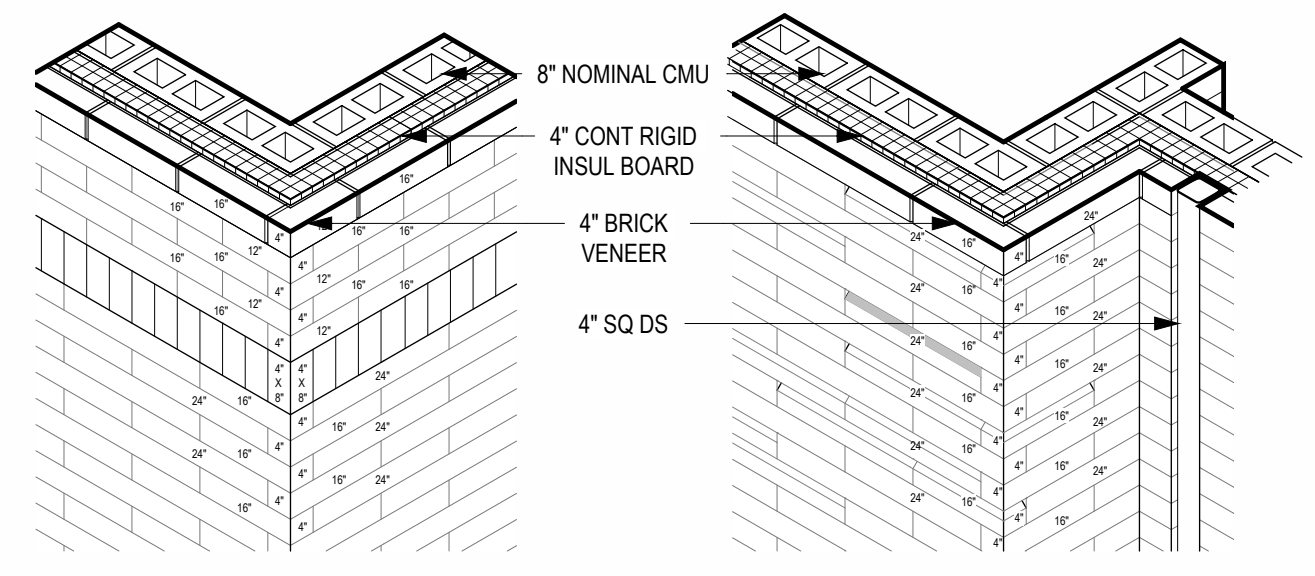
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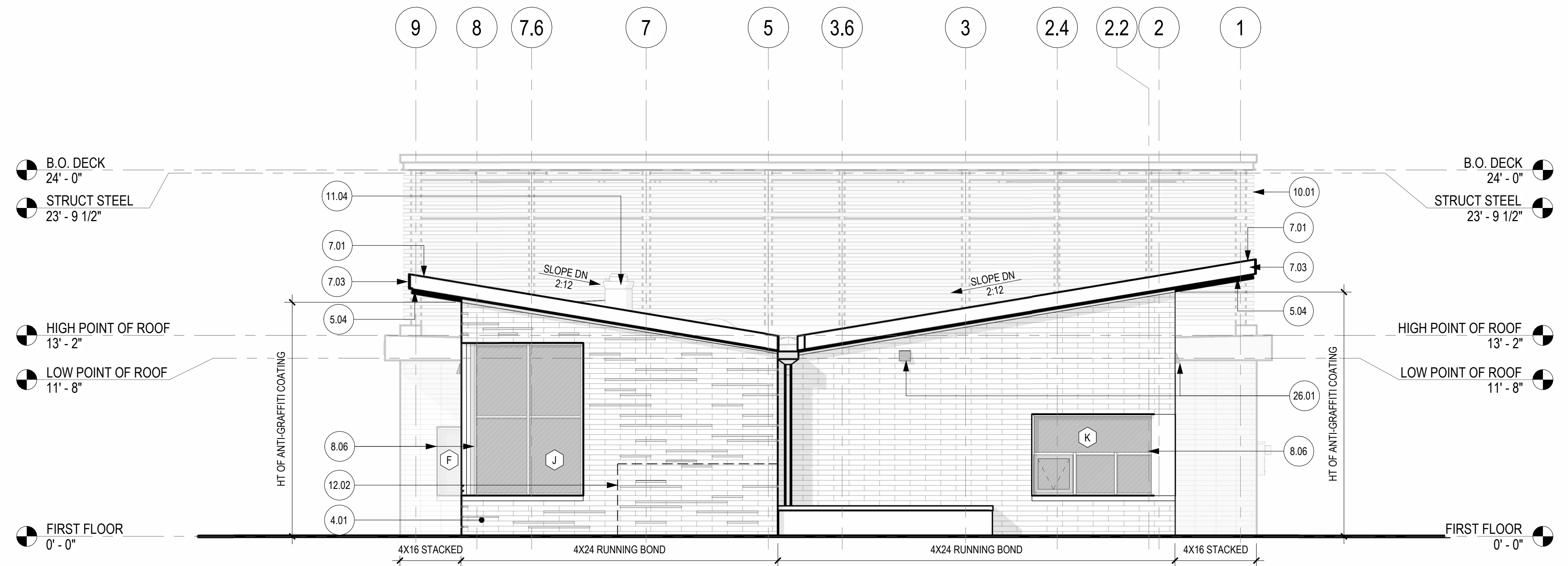
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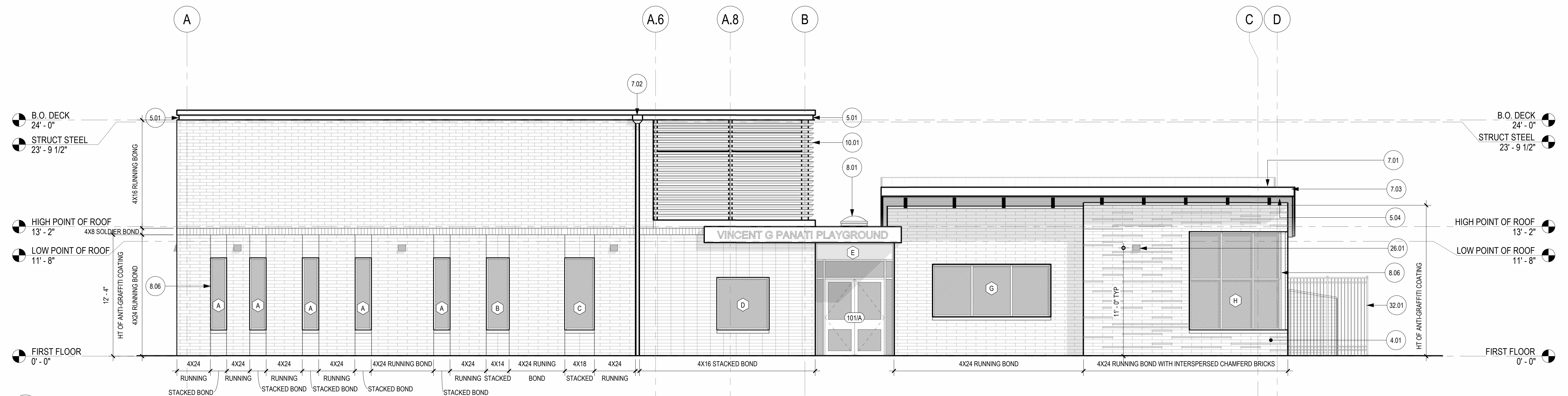
B1 PERSPECTIVE BRICK COARSING      B2 PERSPECTIVE CHAMFERED BRICK COARSING



B3 SOUTH ELEVATION  
 3/16" = 1'-0"

C

D



D1 WEST ELEVATION  
 3/16" = 1'-0"

**NEW WORK GENERAL NOTES**

- CONTRACTOR TO VERIFY ALL FIELD DIMENSIONS AND INFORM ARCHITECT OF ALL DISCREPANCIES PRIOR TO COMMENCEMENT OF ALL WORK
- ALL DIMENSIONS ARE TO THE FINISHED FACE OF PARTITIONS, CENTERLINE OF COLUMNS, AND THE CENTERLINE OF MULLIONS UN.
- DIMENSIONS MARKED \* +/- \* MEAN A TOLERANCE OF NOT GREATER THAN 2 INCHES FROM THE INDICATED DIMENSION UN.

**KEYNOTE LEGEND**

KEY	DESCRIPTION
4.01	MASONRY VENEER
5.01	6" METAL CHANNEL
5.04	METAL DECKING @ SOFFIT
7.01	STANDING SEAM METAL ROOF
7.02	SCUPPER AND DOWNSPOUT
7.03	COMPOSITE FASCIA BOARD
8.01	SKYLIGHT
8.06	ALUMINUM STOREFRONT WINDOWE SYSTEM
10.01	LOUVERS
11.04	KITCHEN HOOD EXHAUST FAN - SEE MEP & F.S. DWGS
12.02	TRASH ENCLOSURE
26.01	EXTERIOR WALL MOUNTED LIGHT FIXTURE
32.01	NEW FENCE TO MATCH EXISTING

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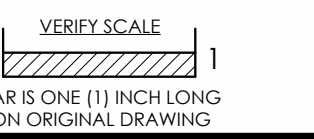
BUILDING ELEVATIONS

Sheet No.

**A300**

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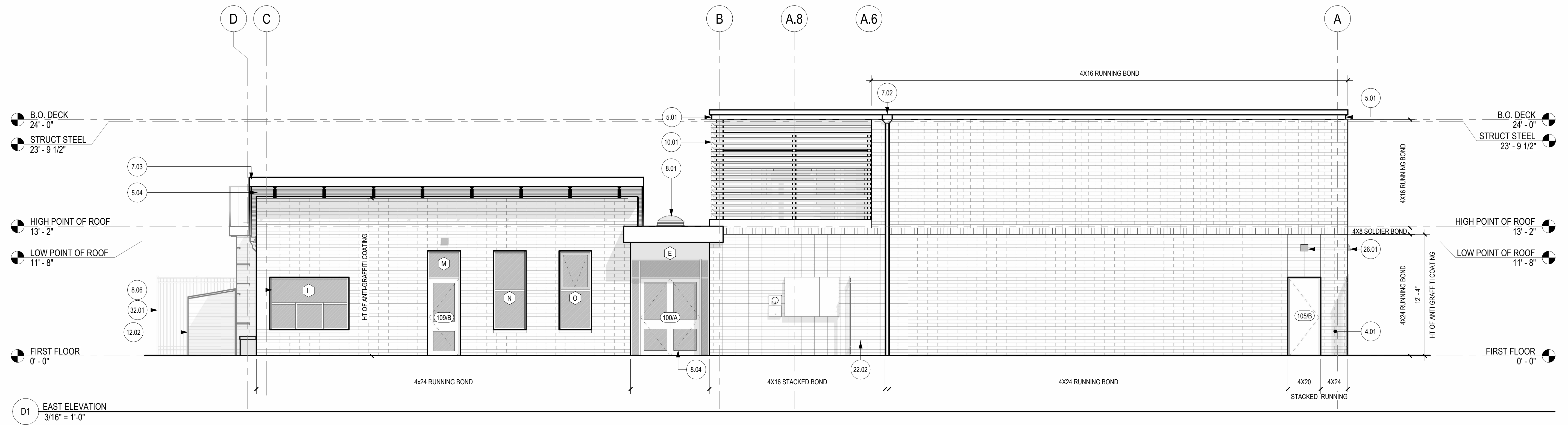
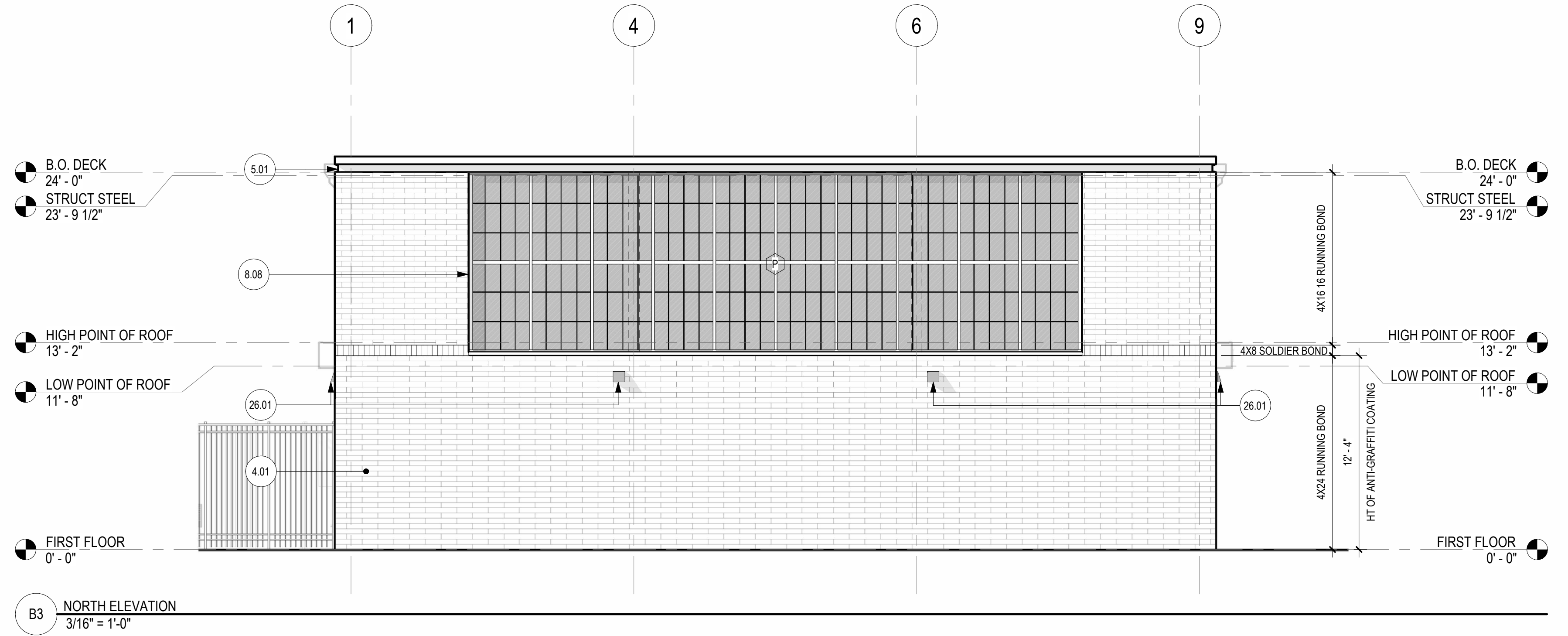


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**NEW WORK GENERAL NOTES**

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**KEYNOTE LEGEND**

KEY	DESCRIPTION
4.01	MASONRY VENEER
5.01	6" METAL CHANNEL
5.04	METAL DECKING @ SOFFIT
7.02	SCUPPER AND DOWNSPOUT
7.03	COMPOSITE FASCIA BOARD
8.01	SKYLIGHT
8.04	ALUMINUM STOREFRONT ENTRY SYSTEM
8.06	ALUMINUM STOREFRONT WINDOW SYSTEM
8.08	TRANSLUCENT FIBERGLASS GLAZING
10.01	LOUVERS
12.02	TRASH ENCLOSURE
22.02	WALL HYDRANT - COORDINATE WITH PLUMBING DWGS
26.01	EXTERIOR WALL MOUNTED LIGHT FIXTURE
32.01	NEW FENCE TO MATCH EXISTING

No.	Date	By	Description

Date: 02/05/2024  
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Job No.: 604.2  
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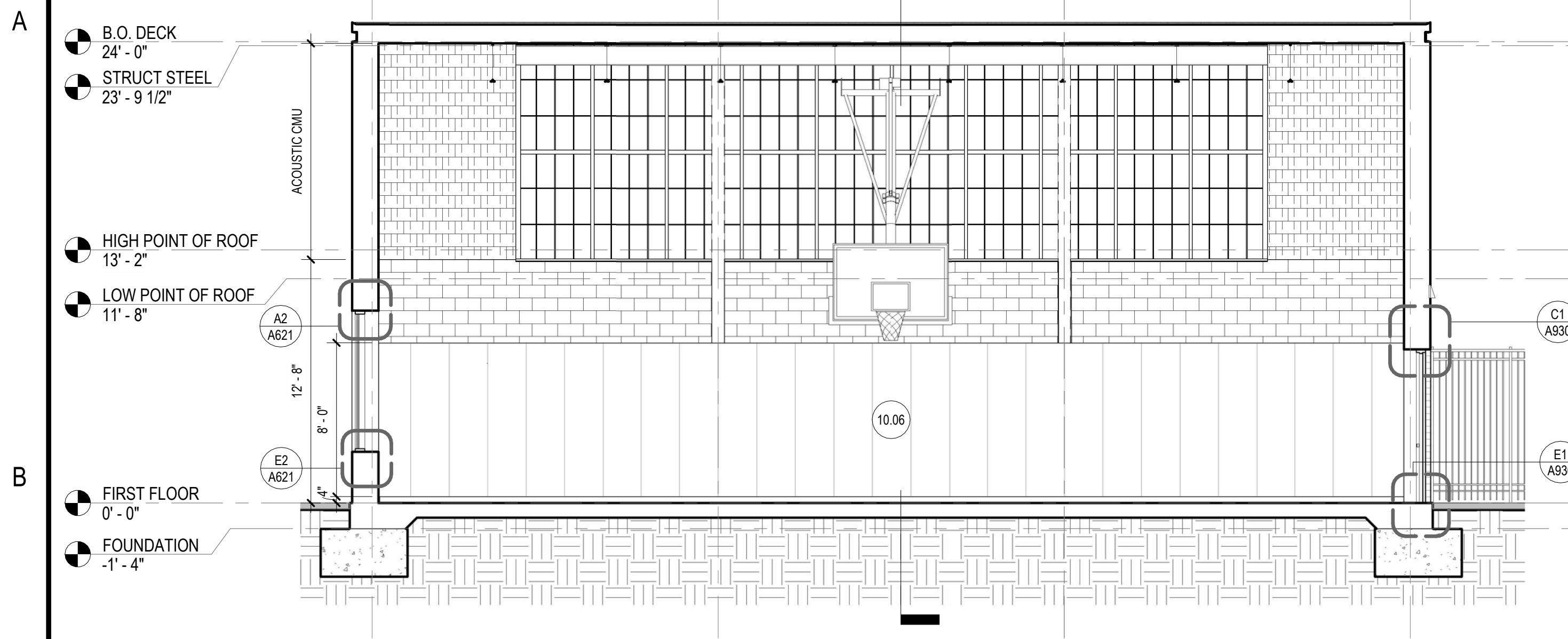
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BUILDING ELEVATIONS

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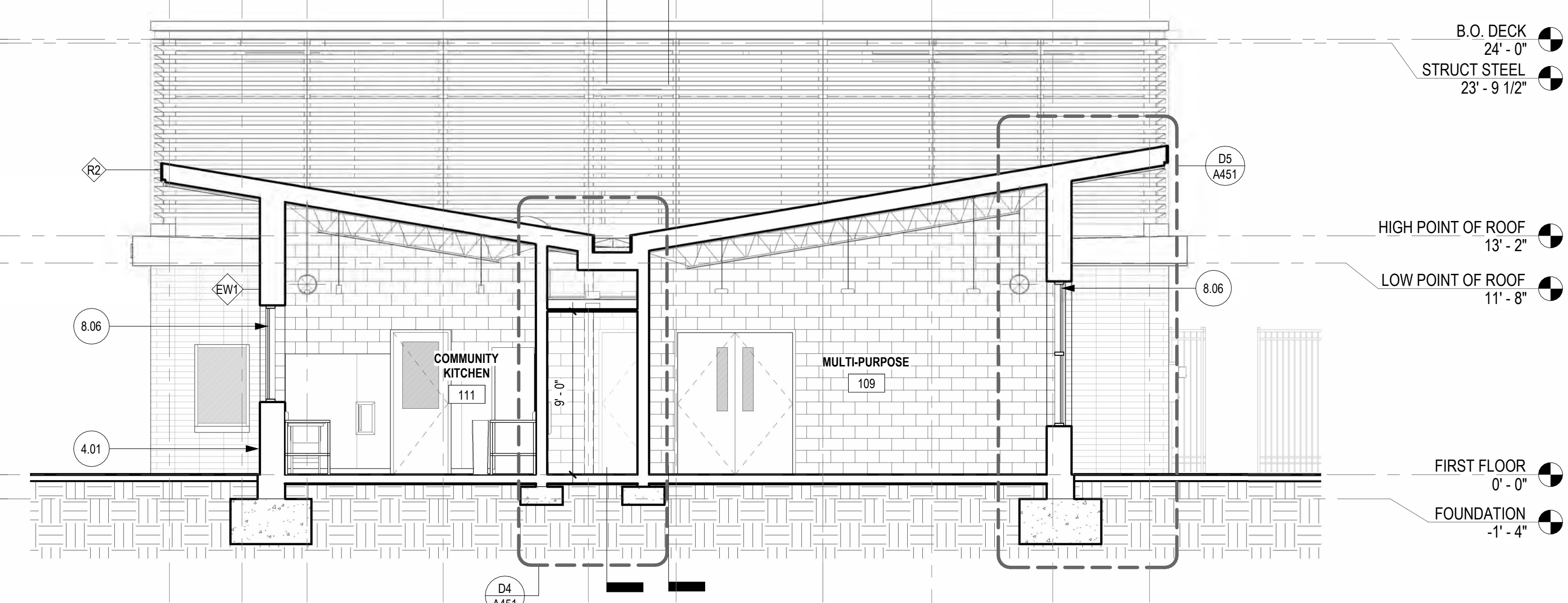
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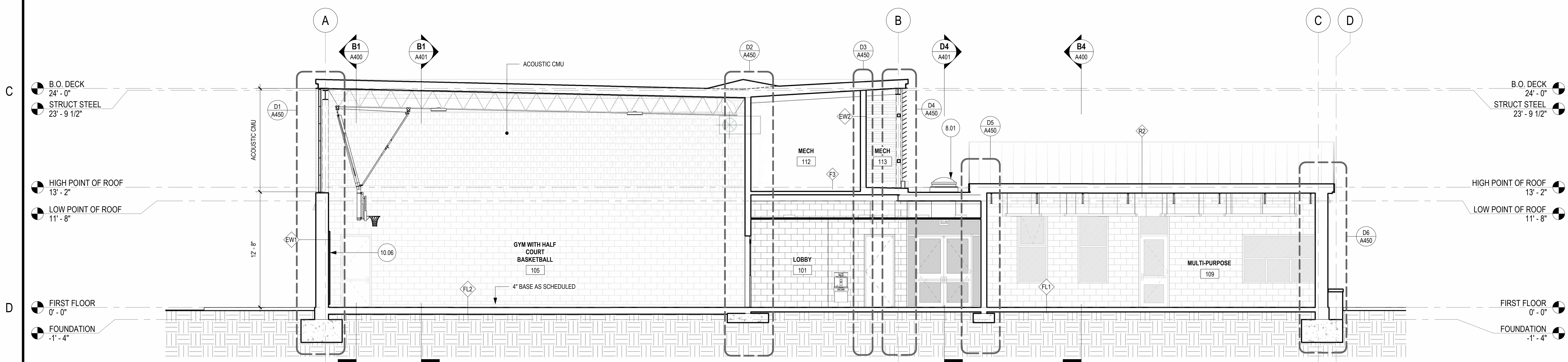
1 2 3 4 5 6



B1 CROSS SECTION AT GYM N WALL  
3/16" = 1'-0"



B4 CROSS SECTION AT KITCH AND MULTIPURPOSE ROOM  
3/16" = 1'-0"



D1 LONGITUDINAL SECTION  
3/16" = 1'-0"

- NEW WORK GENERAL NOTES**
- CONTRACTOR TO VERIFY ALL FIELD DIMENSIONS AND INFORM ARCHITECT OF ALL DISCREPANCIES PRIOR TO COMMENCEMENT OF ALL WORK
  - ALL DIMENSIONS ARE TO THE FINISHED FACE OF PARTITIONS, CENTERLINE OF COLUMNS, AND THE CENTERLINE OF MULLIONS UON.
  - DIMENSIONS MARKED \* +/- MEAN A TOLERANCE OF NOT GREATER THAN 2 INCHES FROM THE INDICATED DIMENSION UON.

**KEYNOTE LEGEND**

KEY	DESCRIPTION
4.01	MASONRY VENEER
8.01	SKYLIGHT
8.06	ALUMINUM STOREFRONT WINDOWE SYSTEM
10.06	WALL PADS

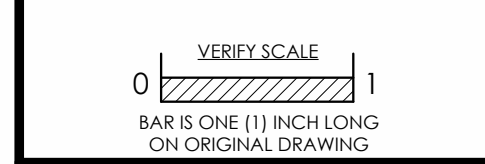
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**REBUILD - VINCENT G. PANATI**  
 PLAYGROUND  
 for  
**PPR/REBUILD PHILADELPHIA**  
 3101-27 N 22ND ST., PHILADELPHIA PA 19132



No.	Date	By	Description

Date: 02/05/2024  
 Scale: As indicated  
 Job No.: 604.2  
 Drawn: NB,KN Appd.: cs

Sheet Title:  
 BUILDING SECTIONS

Sheet No.  
**A400**

NOT FOR CONSTRUCTION

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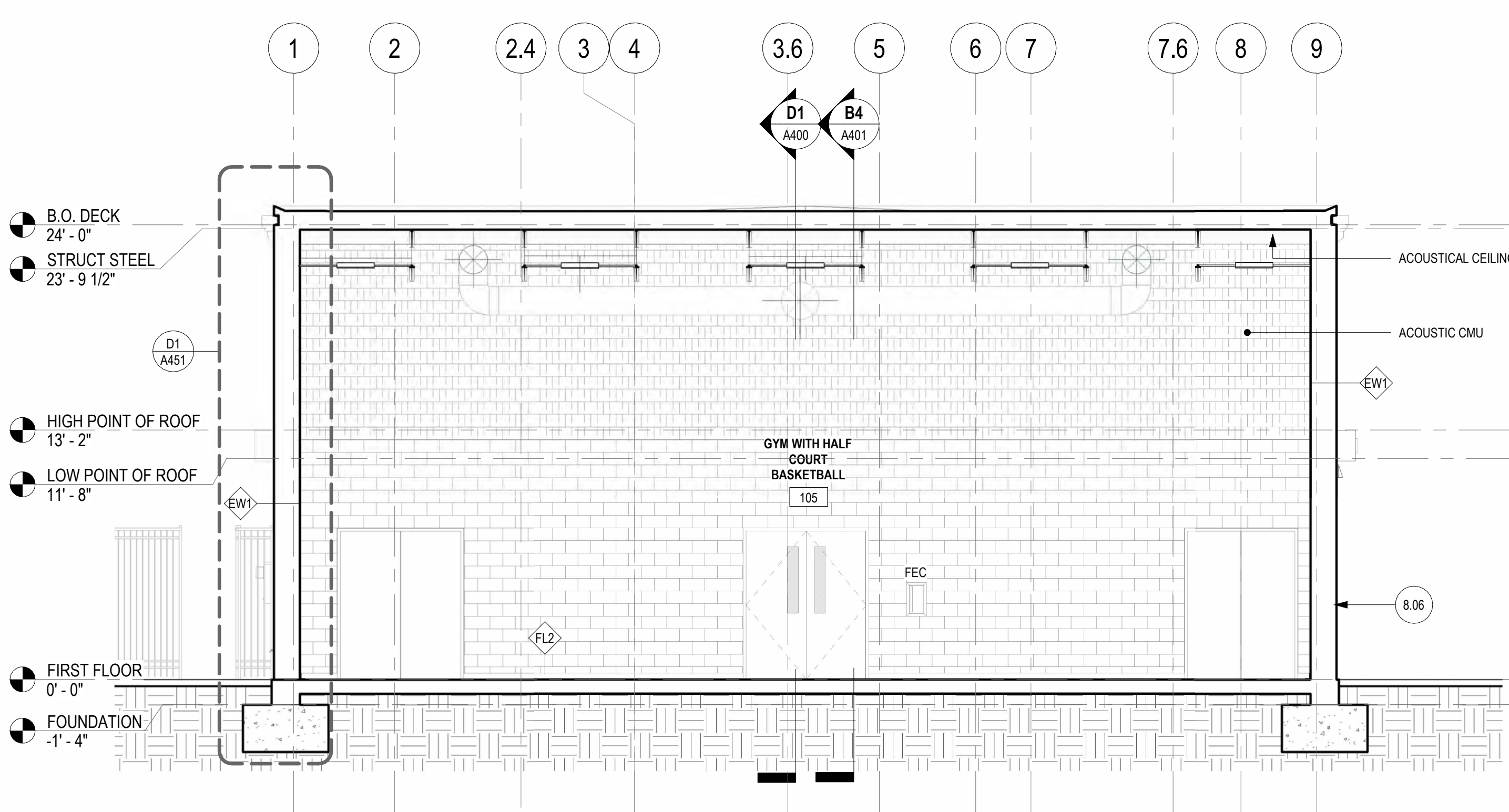


A

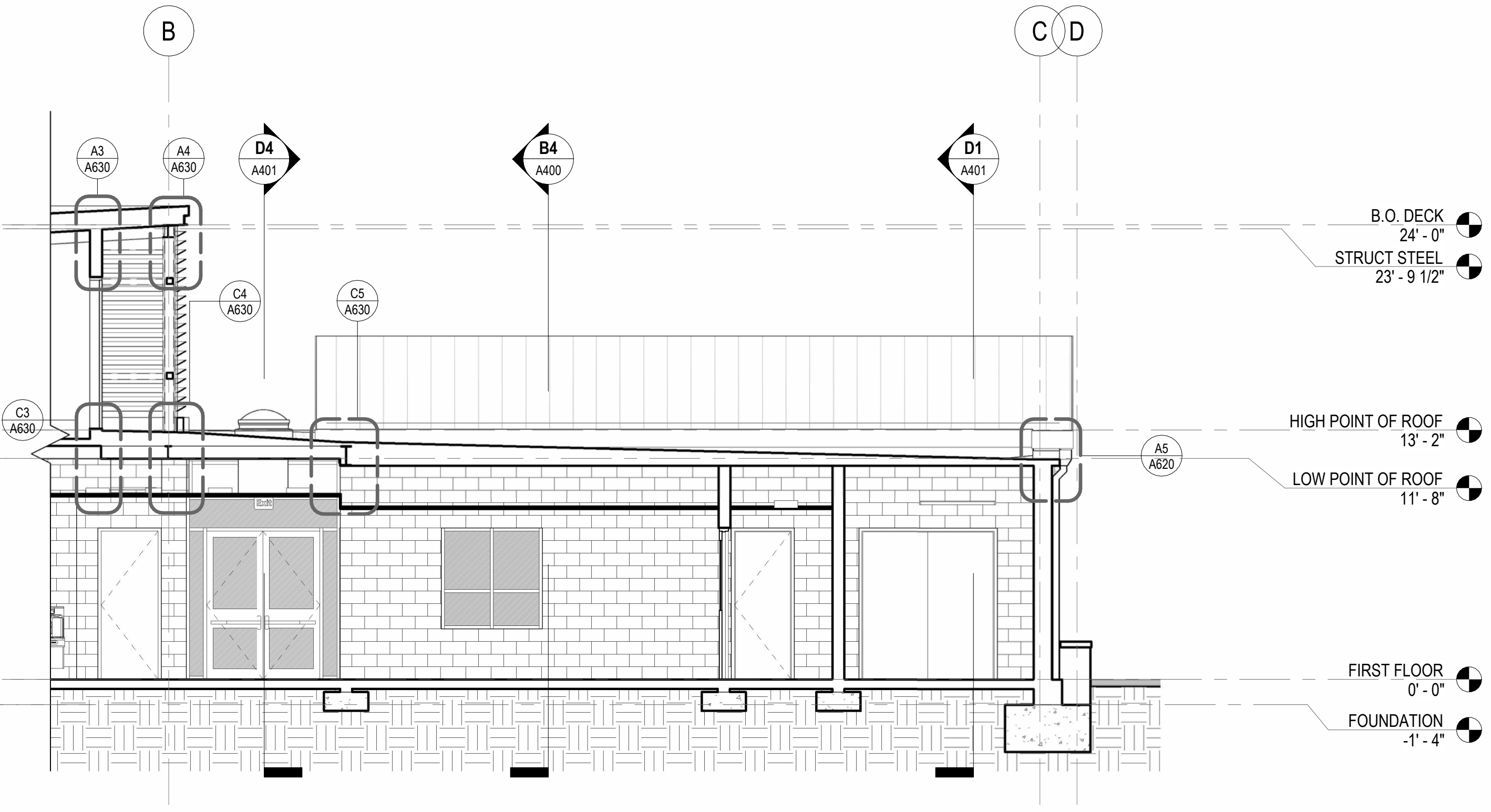
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C

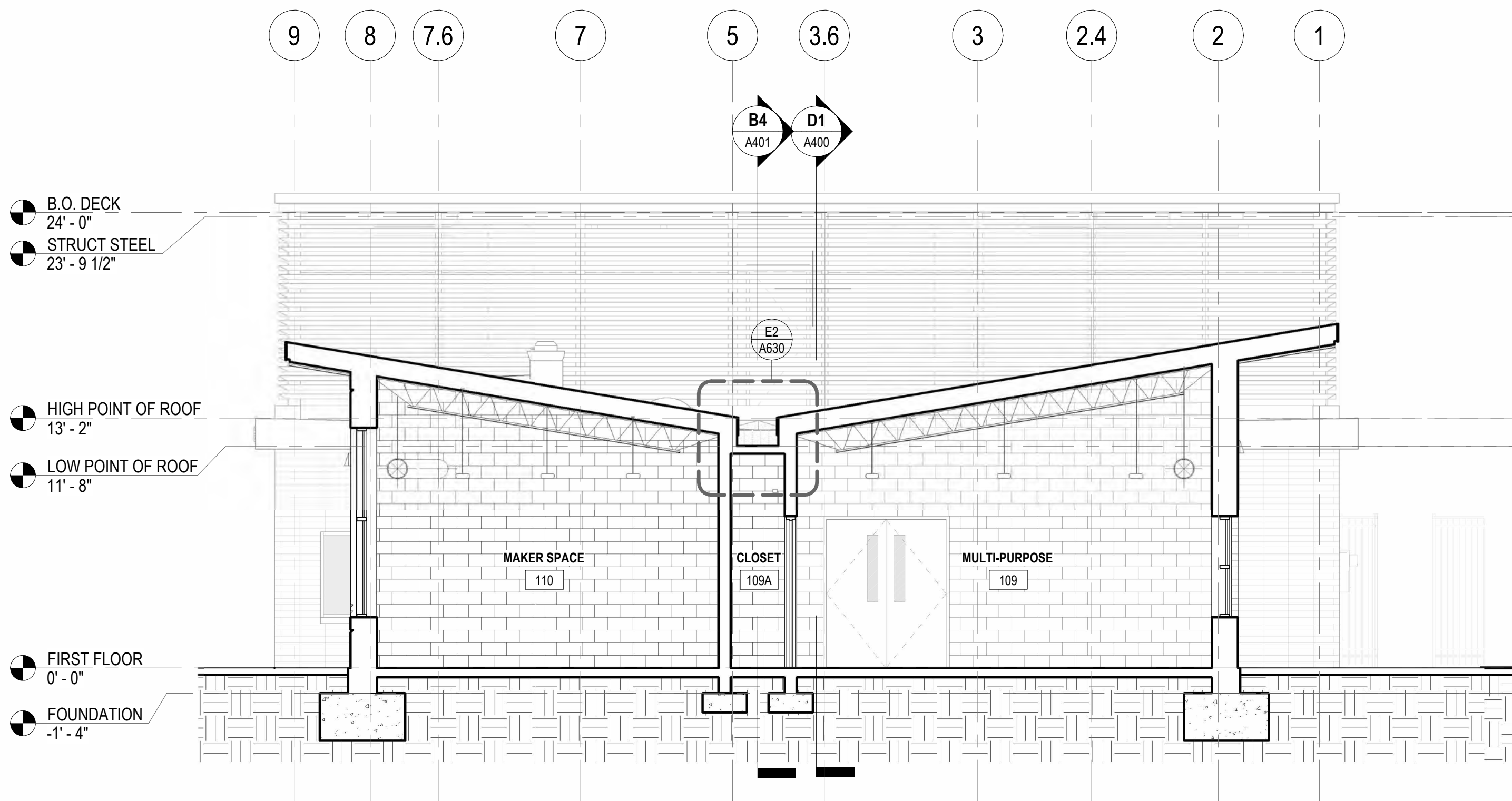
D



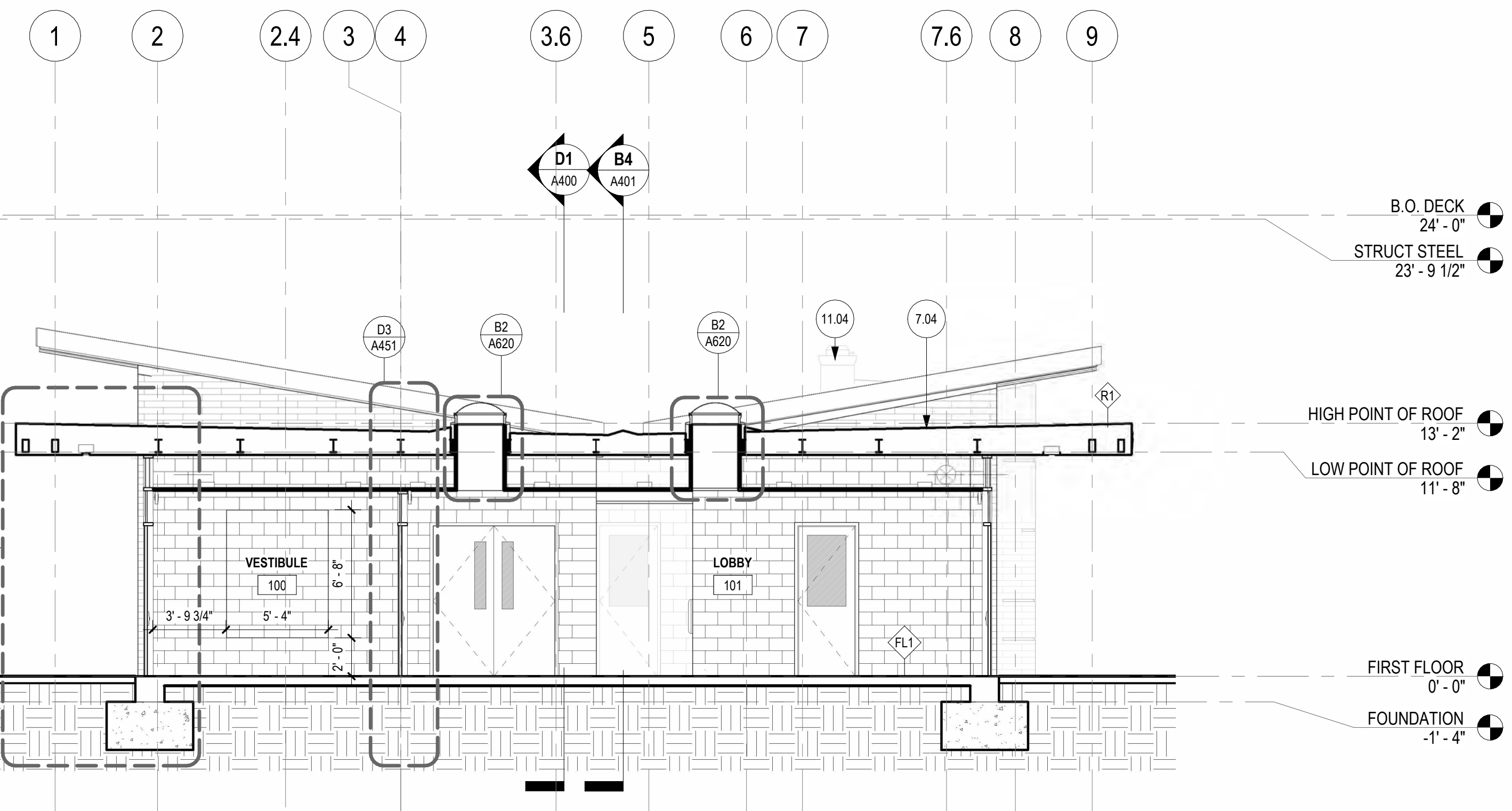
B1 CROSS SECTION AT GYM  
3/16" = 1'-0"



B4 PARTIAL LONGITUDINAL SECTION  
3/16" = 1'-0"



D1 CROSS SECTION AT MULTI-PURPOSE AND MAKER SPACE  
3/16" = 1'-0"



D4 CROSS SECTION AT LOBBY  
3/16" = 1'-0"

KEYNOTE LEGEND	
KEY	DESCRIPTION
7.04	MEMBRANE ROOF
8.06	ALUMINUM STOREFRONT WINDOWE SYSTEM
11.04	KITCHEN HOOD EXHAUST FAN - SEE MEP & F.S. DWGS

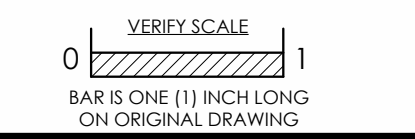
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No.	Date	By	Description

Date: 02/05/2024  
 Scale: 3/16" = 1'-0"  
 Job No. 604.2  
 Drawn: NB, KN Appd.: cs

Sheet Title:  
**BUILDING SECTIONS**

Sheet No.  
**A401**

NOT FOR CONSTRUCTION



1

2

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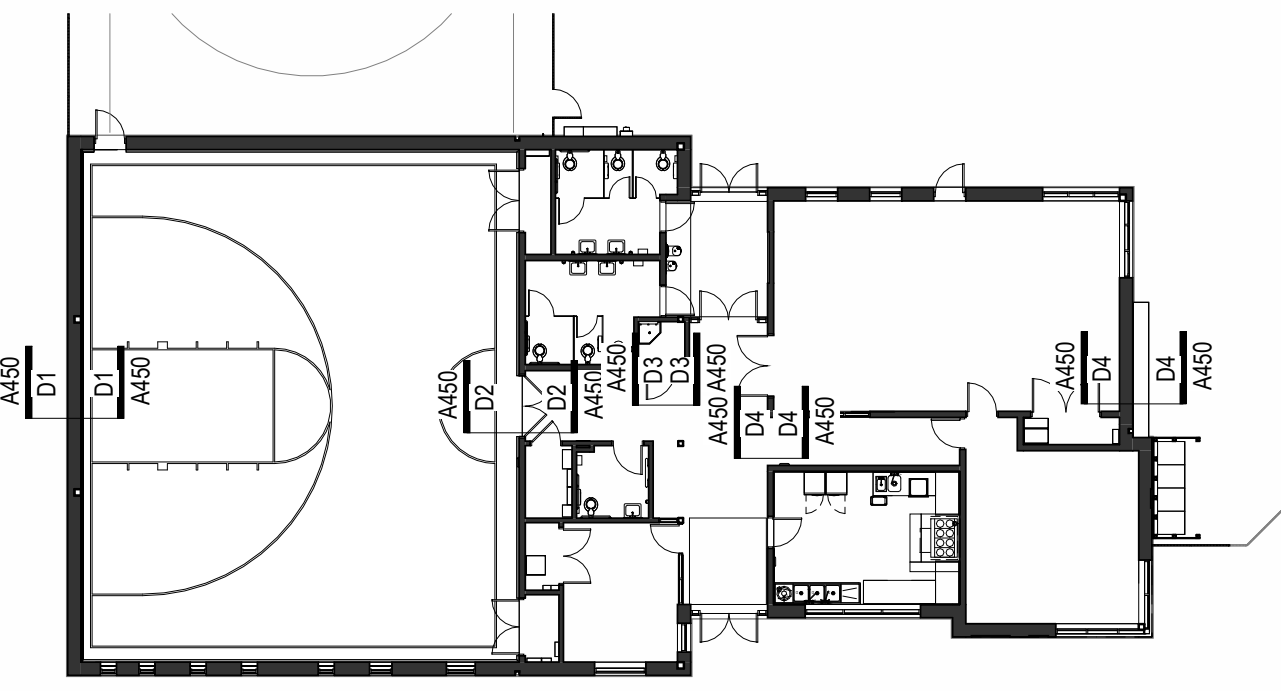
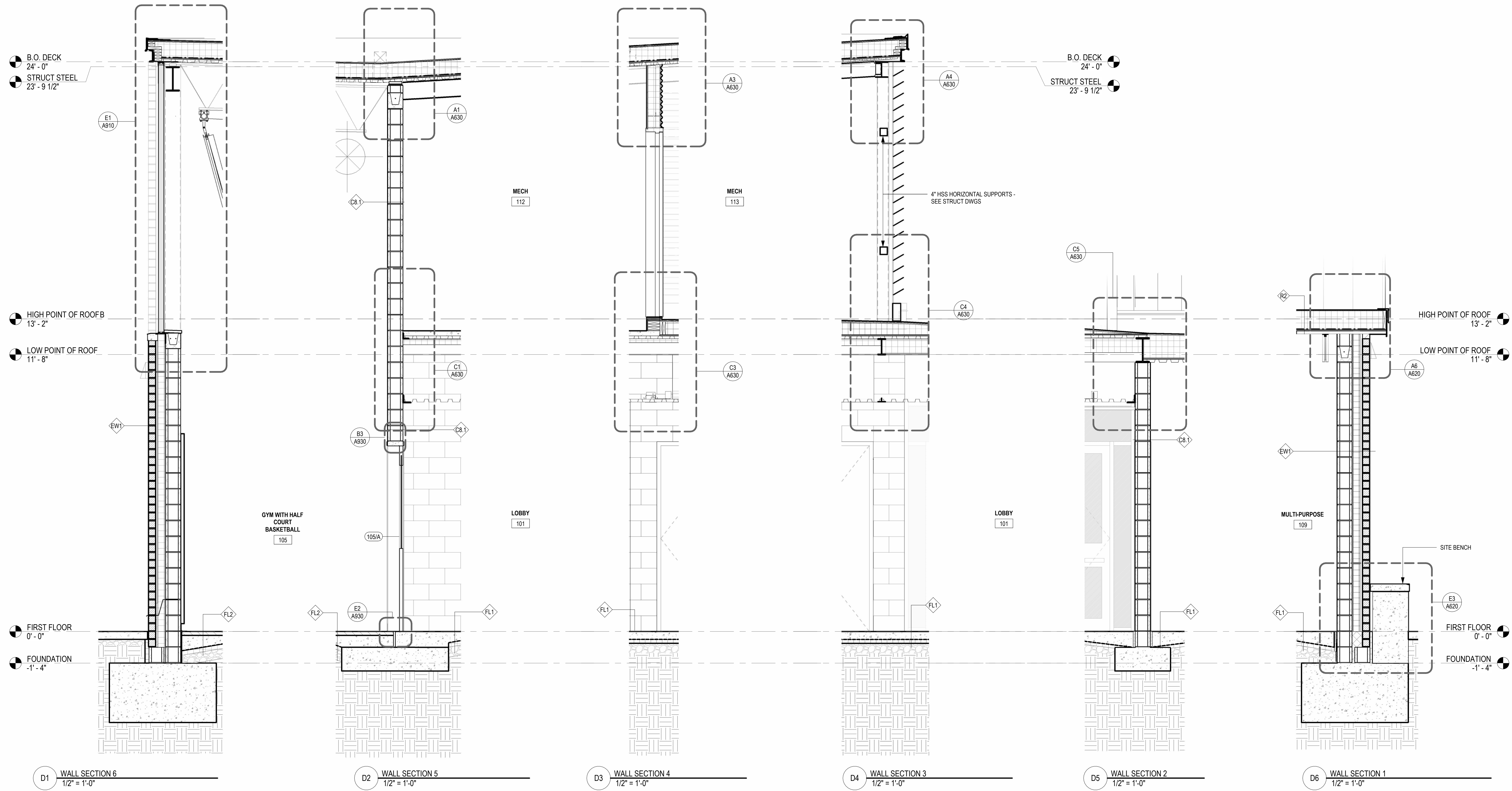
6

A

B

C

D



E3 KEY PLAN  
1" = 20'-0"

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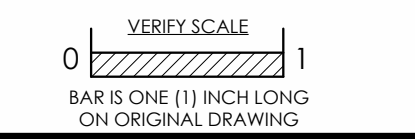
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No.	Date	By	Description

Date: 02/05/2024  
Scale: As indicated  
Job No.: 604.2  
Drawn: NB, KN Appd.: cs

Sheet Title:  
**WALL SECTIONS**

Sheet No.:  
**A450**

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1

2

3

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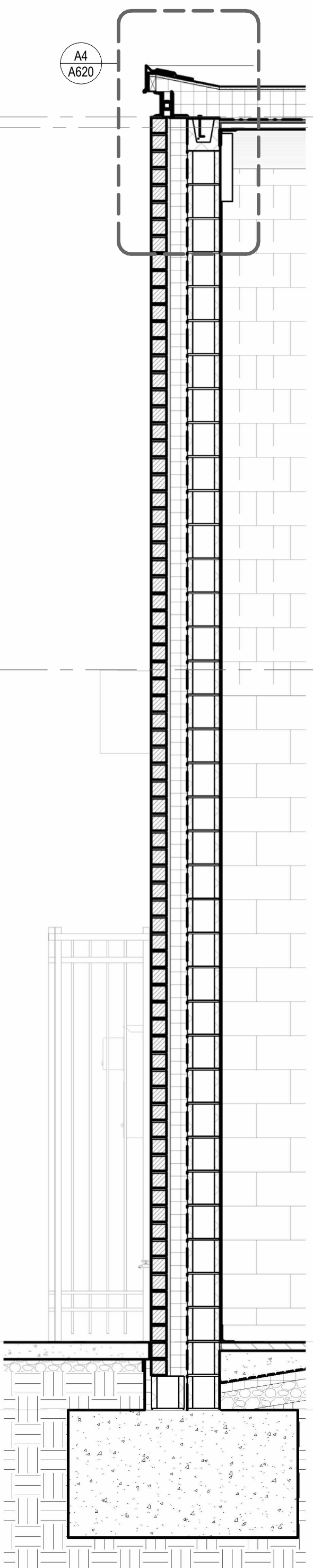
D

- B.O. DECK  
24' - 0"
- STRUCT STEEL  
23' - 9 1/2"

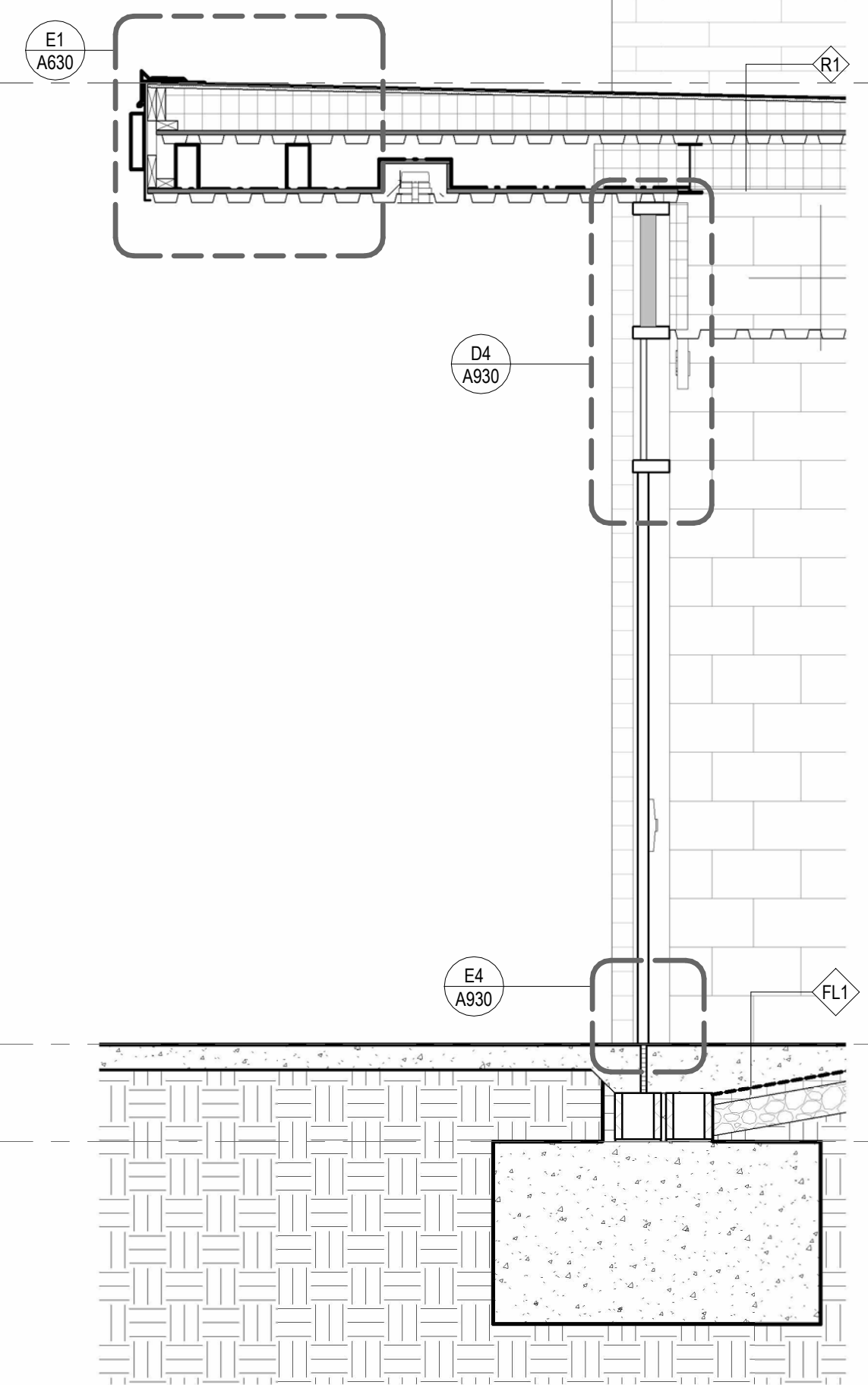
HIGH POINT OF ROOFB  
13' - 2"

FIRST FLOOR  
0' - 0"

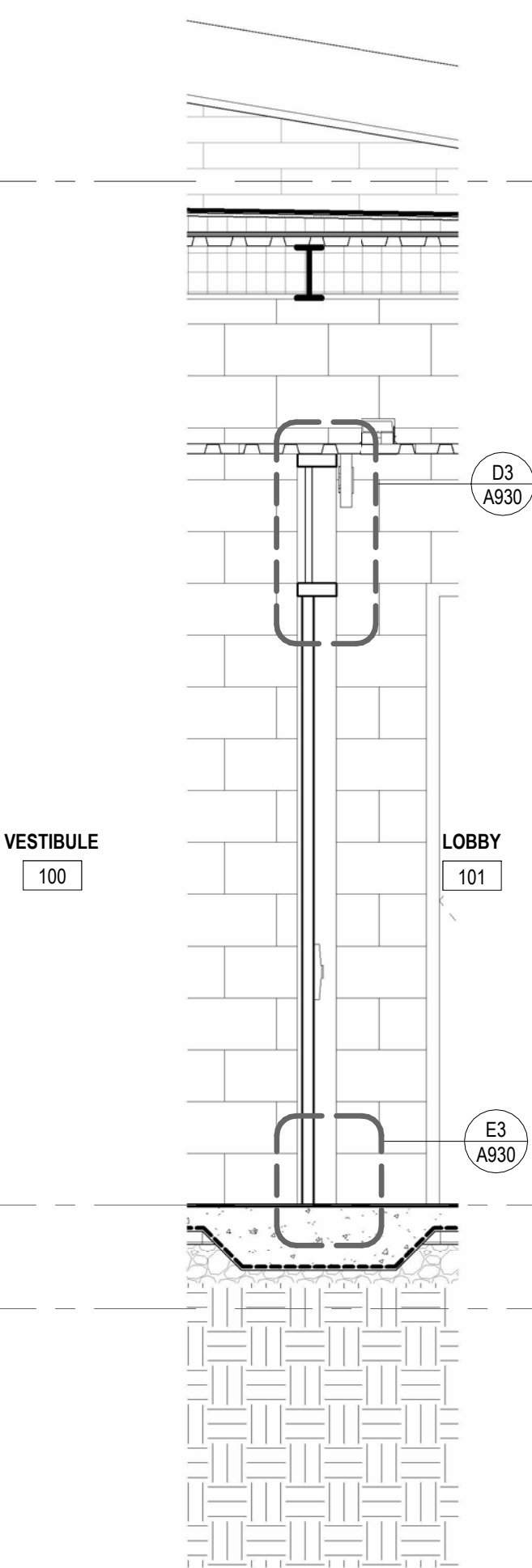
FOUNDATION  
-1' - 4"



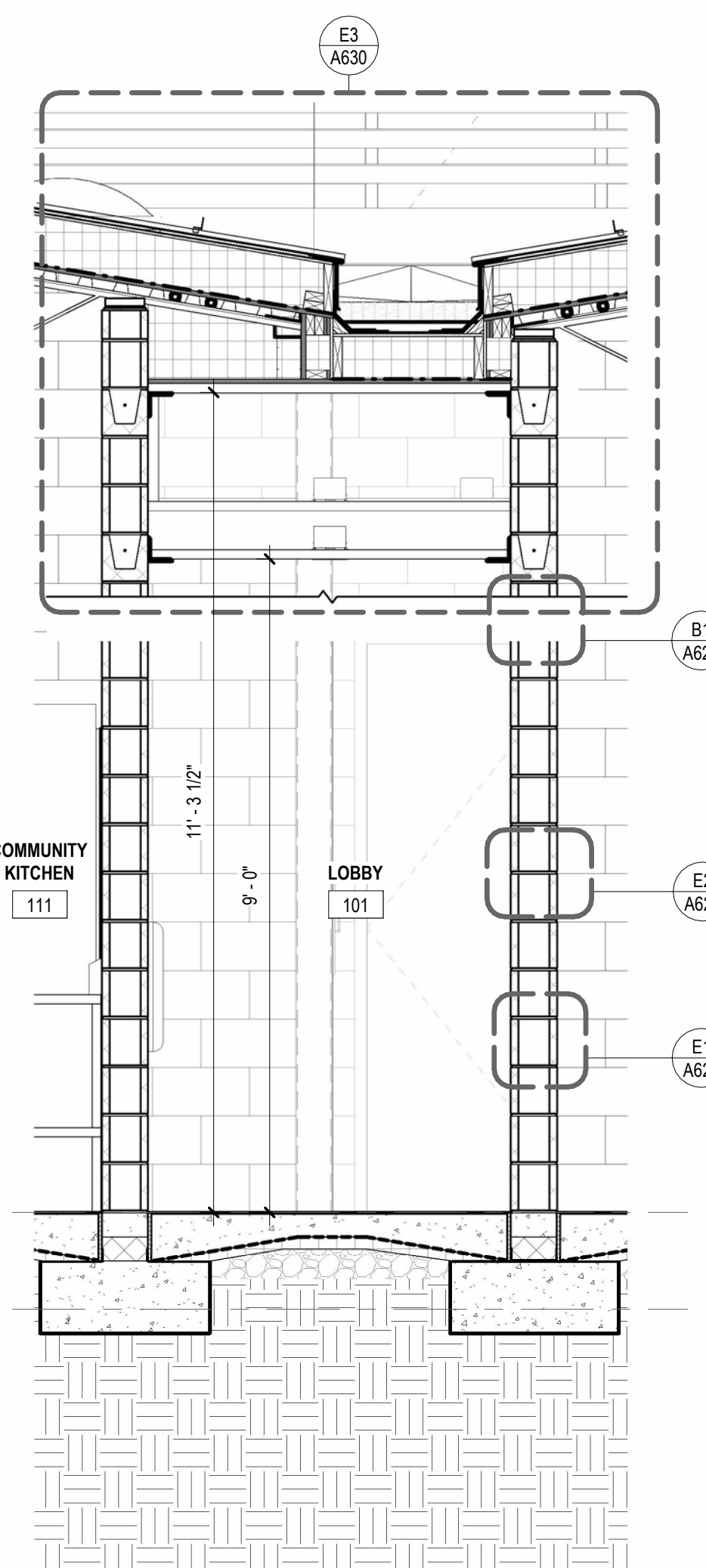
D1 WALL SECTION 11  
1/2" = 1'-0"



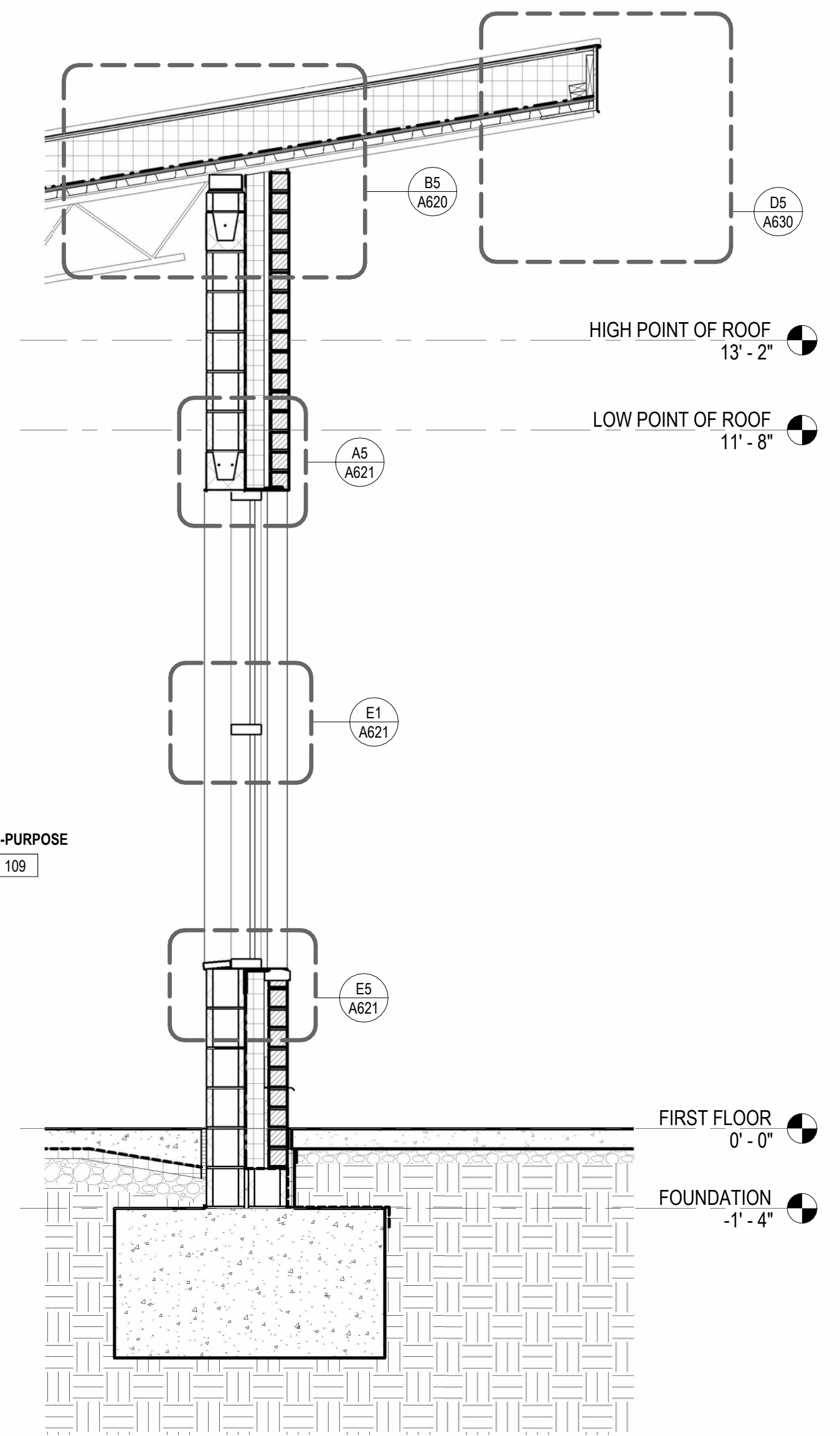
D2 WALL SECTION 10  
1/2" = 1'-0"



D3 WALL SECTION 9  
1/2" = 1'-0"



D4 WALL SECTION 8  
1/2" = 1'-0"



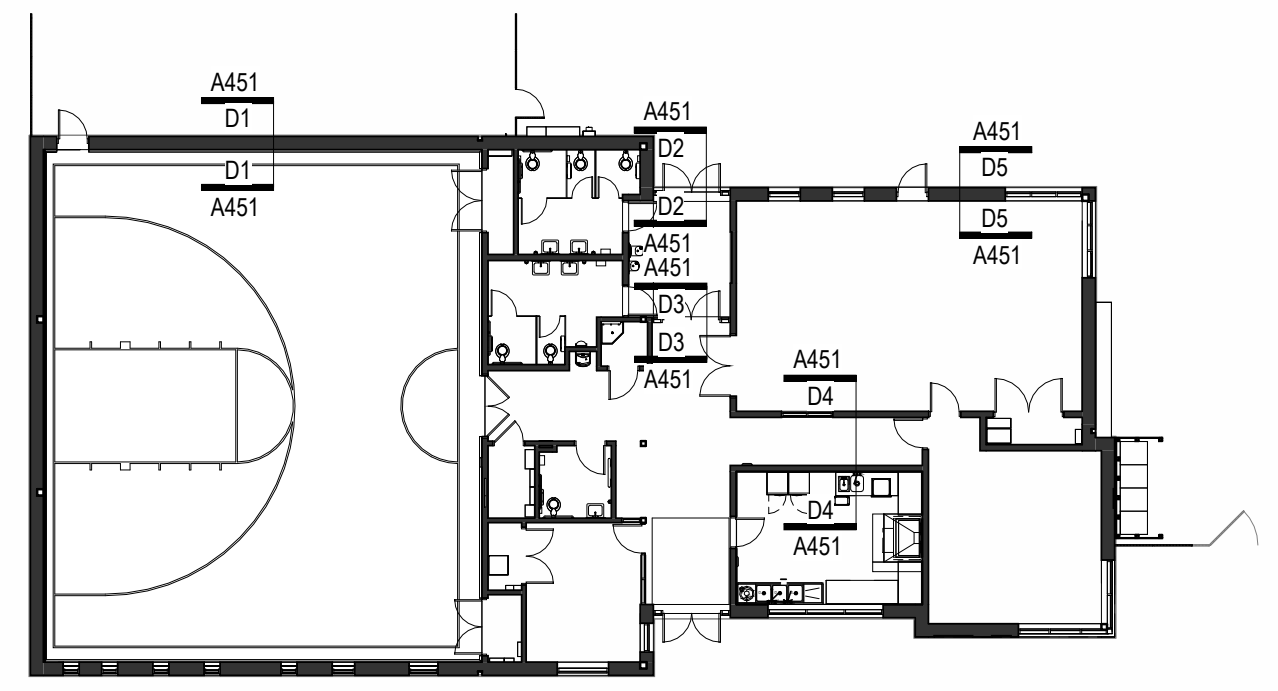
D5 WALL SECTION 7  
1/2" = 1'-0"

HIGH POINT OF ROOF  
13' - 2"

LOW POINT OF ROOF  
11' - 8"

FIRST FLOOR  
0' - 0"

FOUNDATION  
-1' - 4"



E3 KEY PLAN  
1" = 20'-0"

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0 1  
VERIFIED SCALE  
BAR IS ONE (1) INCH LONG  
ON ORIGINAL DRAWING

No.	Date	By	Description

Date: 02/05/2024  
Scale: As indicated  
Job No.: 604.2  
Drawn: NB, KN Appd.: cs

Sheet Title:

WALL SECTIONS

Sheet No.

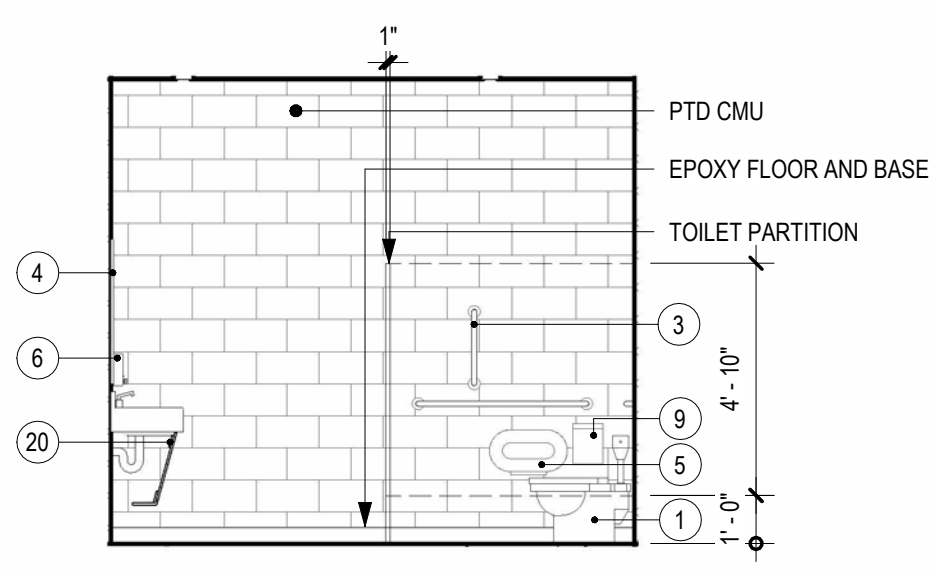
**A451**

NOT FOR CONSTRUCTION

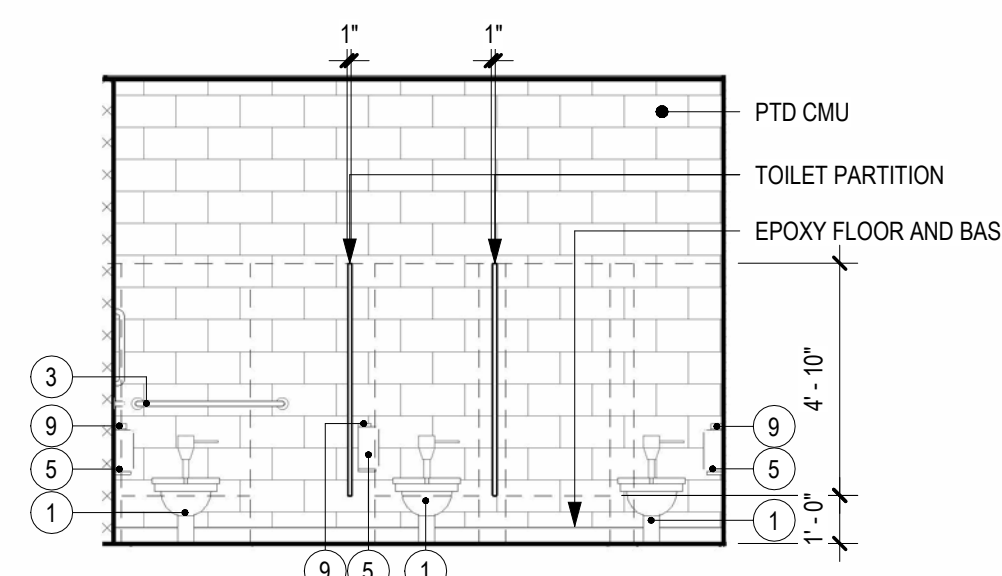
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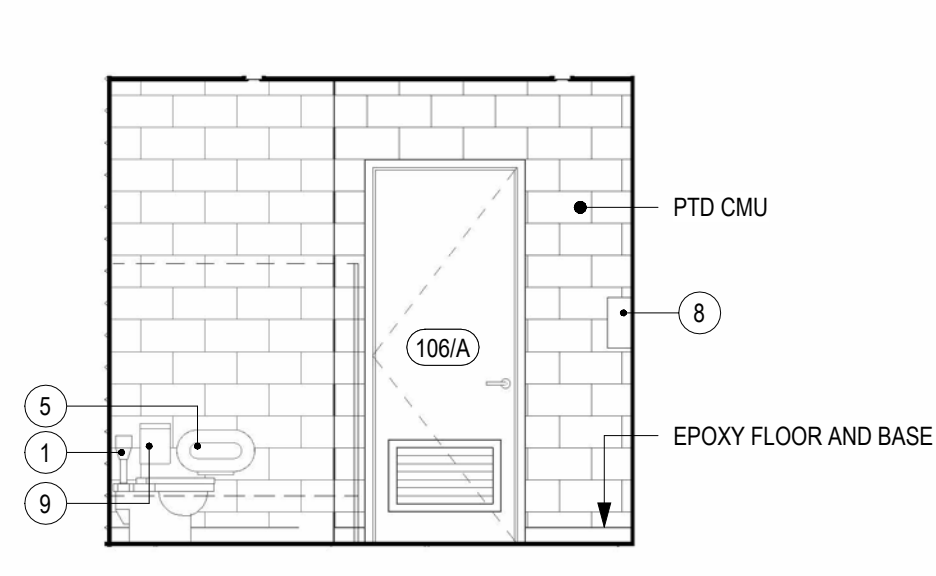
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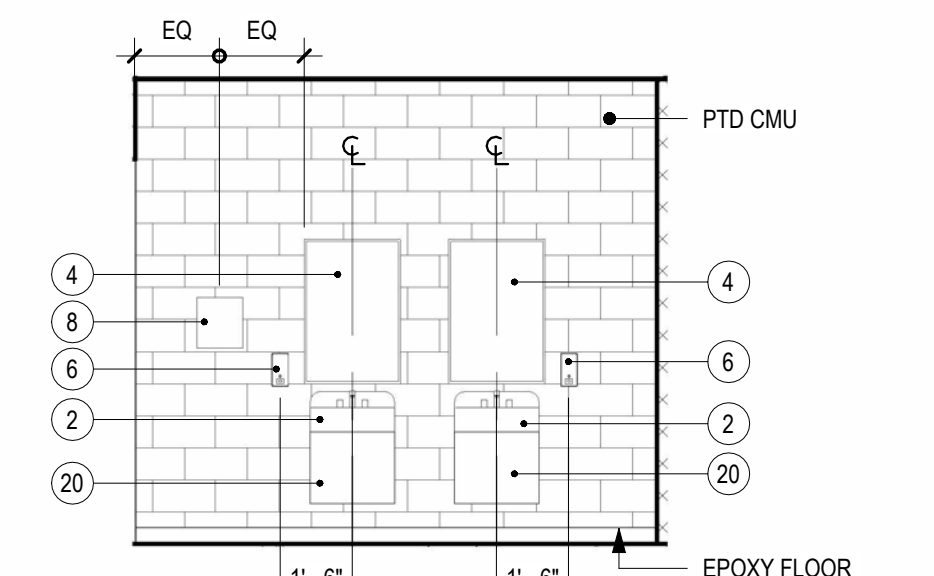
A1 WOMENS - RM 106 INT ELEV 4  
1/4" = 1'-0"



A2 WOMENS - RM 106 INT ELEV 3  
1/4" = 1'-0"

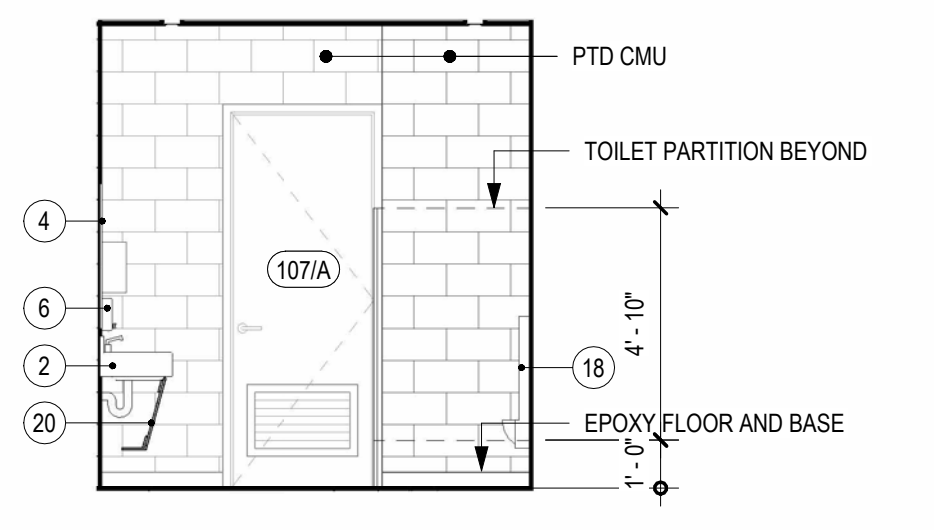


A3 WOMENS - RM 106 INT ELEV 2  
1/4" = 1'-0"

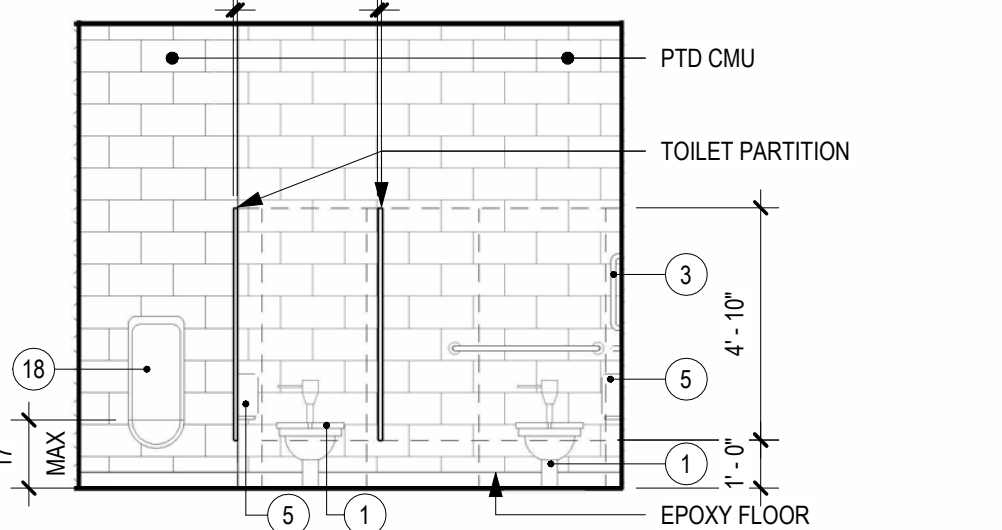


A4 WOMENS - RM 106 INT ELEV 1  
1/4" = 1'-0"

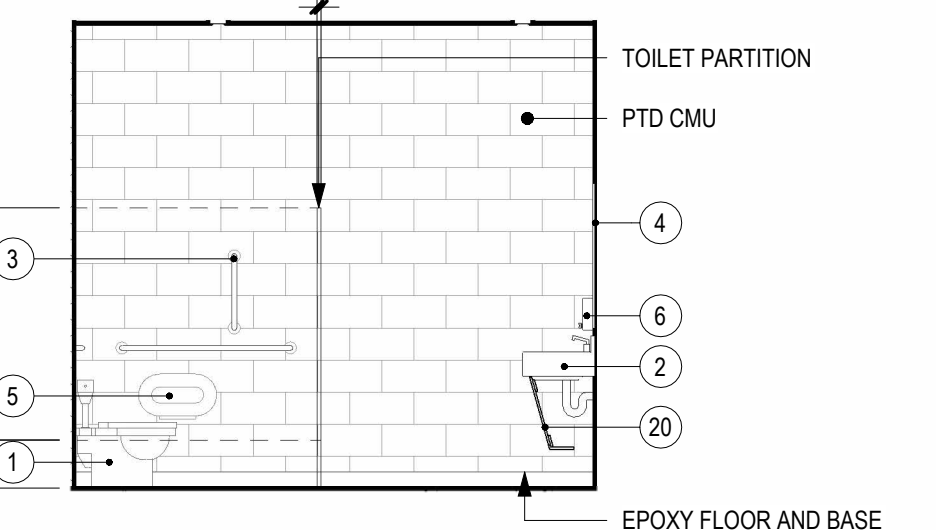
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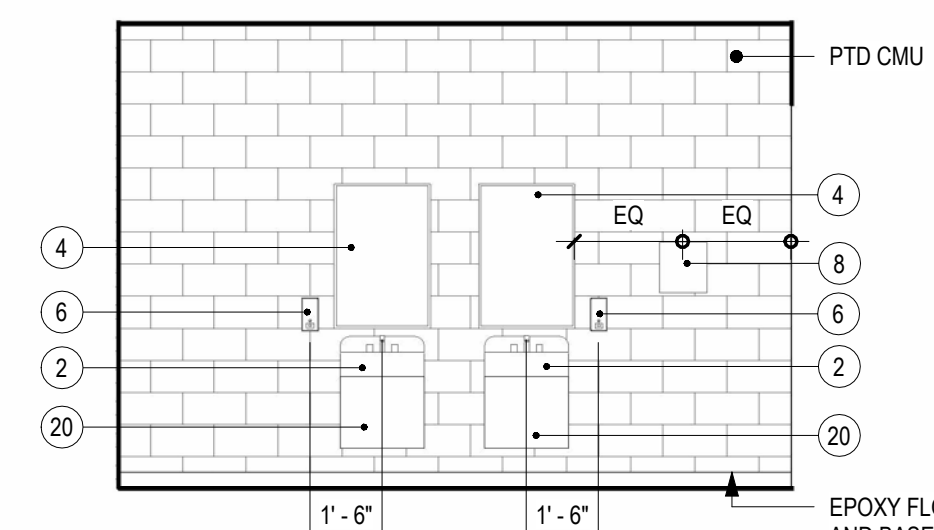
B1 MENS - RM 107 INT ELEV 4  
1/4" = 1'-0"



B2 MENS - RM 107 INT ELEV 3  
1/4" = 1'-0"

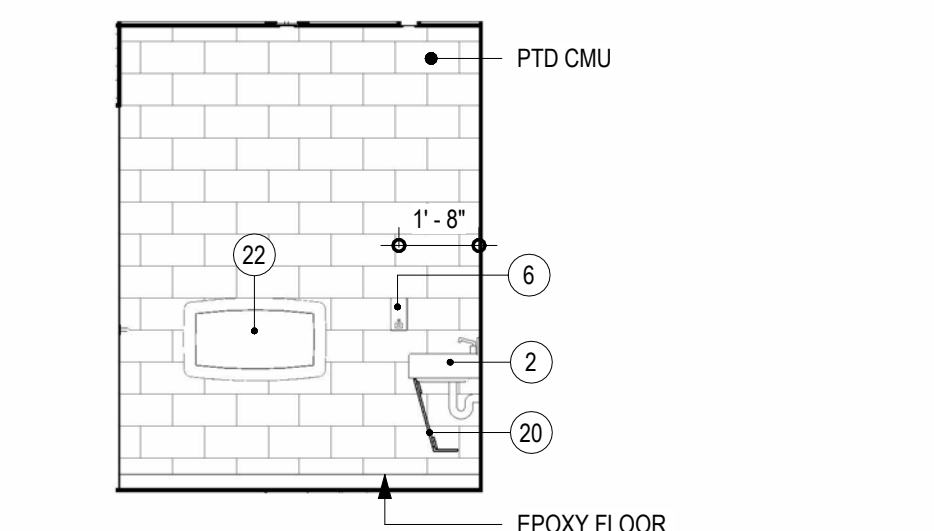


B3 MENS - RM 107 INT ELEV 2  
1/4" = 1'-0"

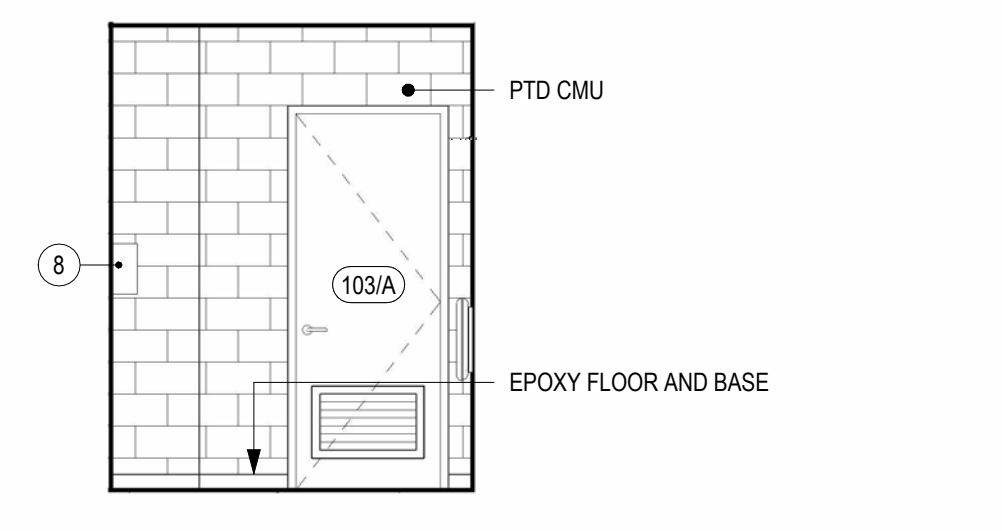


B4 MENS - RM 107 INT ELEV 1  
1/4" = 1'-0"

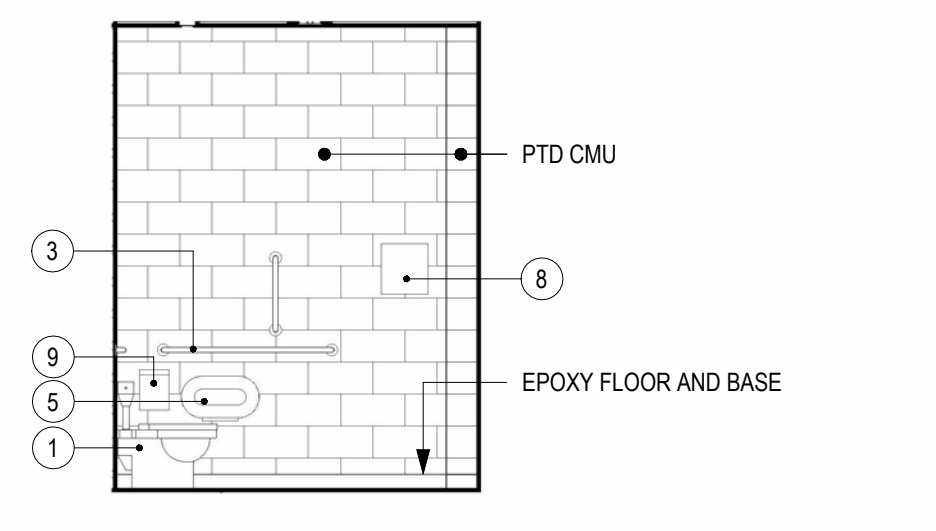
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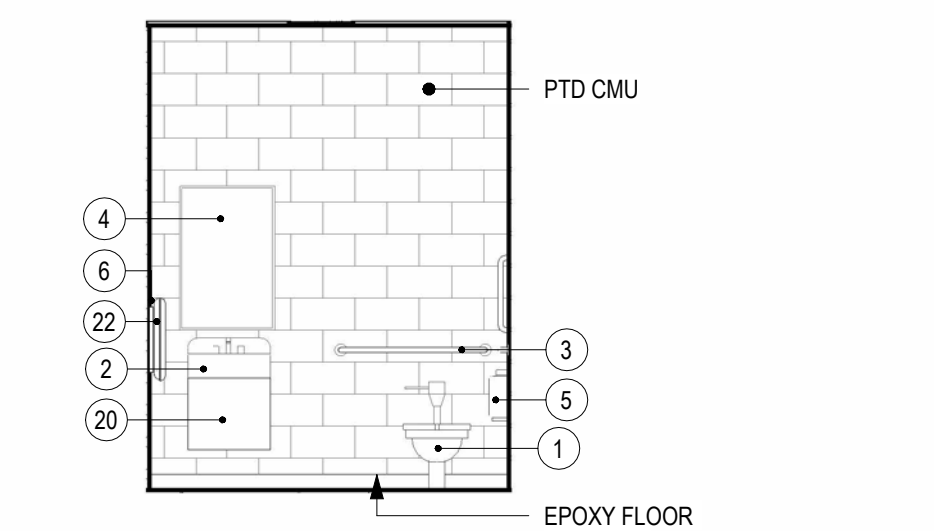
C1 ALL-GENDER RESTROOM - RM 103 INT ELEV 4  
1/4" = 1'-0"



C2 ALL-GENDER RESTROOM - RM 103 INT ELEV 3  
1/4" = 1'-0"

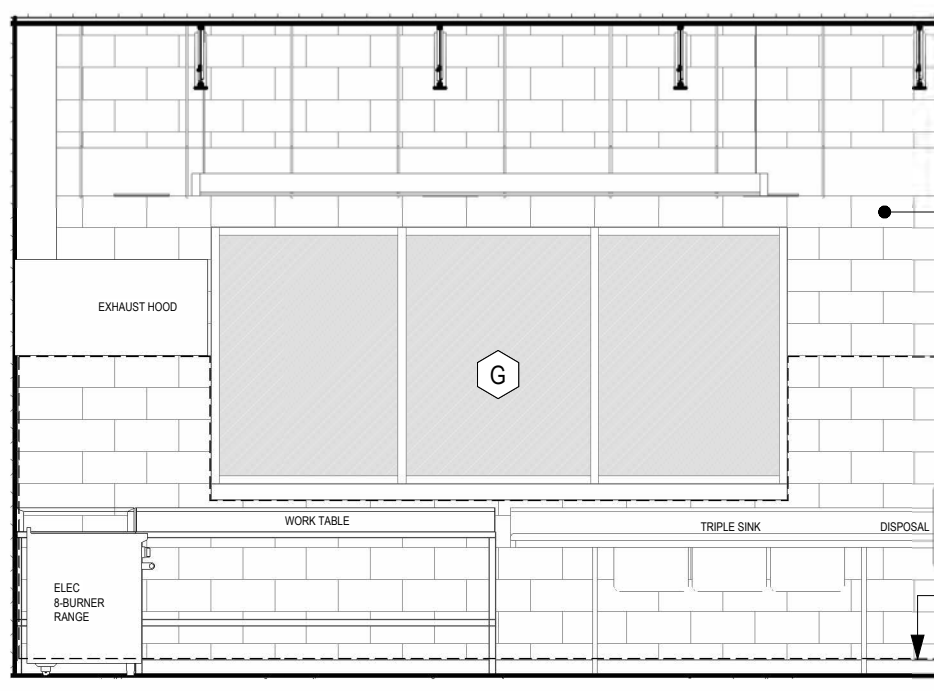


C3 ALL-GENDER RESTROOM - RM 103 INT ELEV 2  
1/4" = 1'-0"

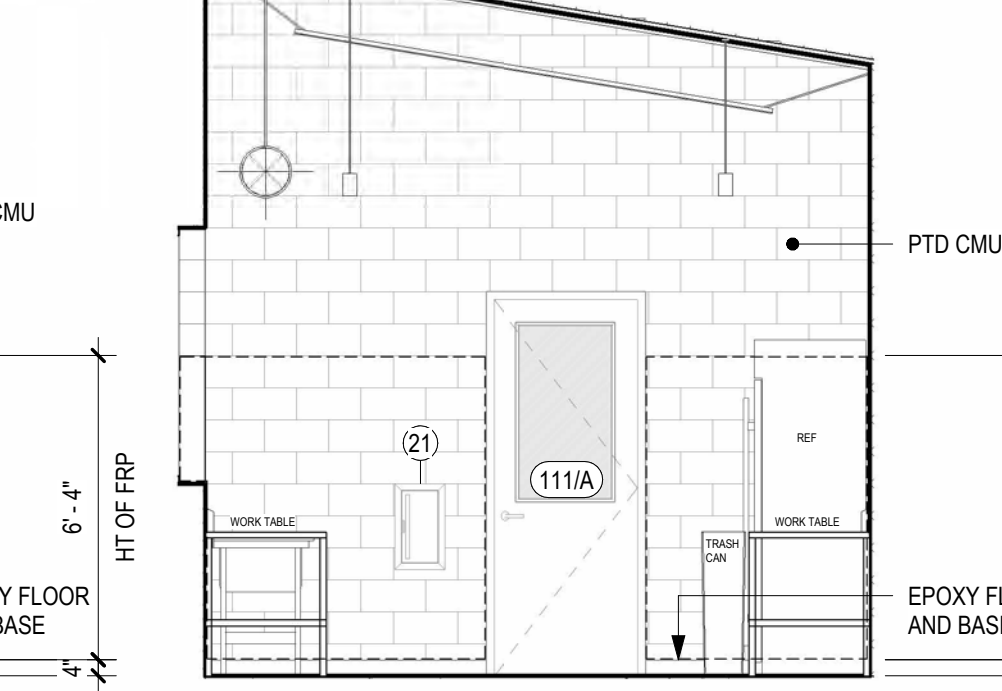


C4 ALL-GENDER RESTROOM - RM 103 INT ELEV 1  
1/4" = 1'-0"

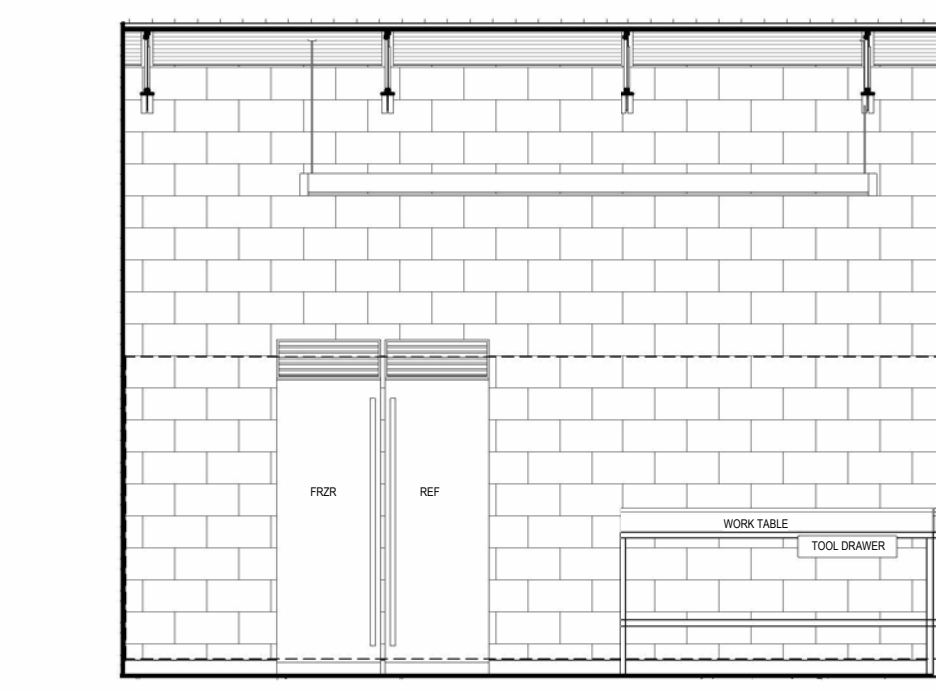
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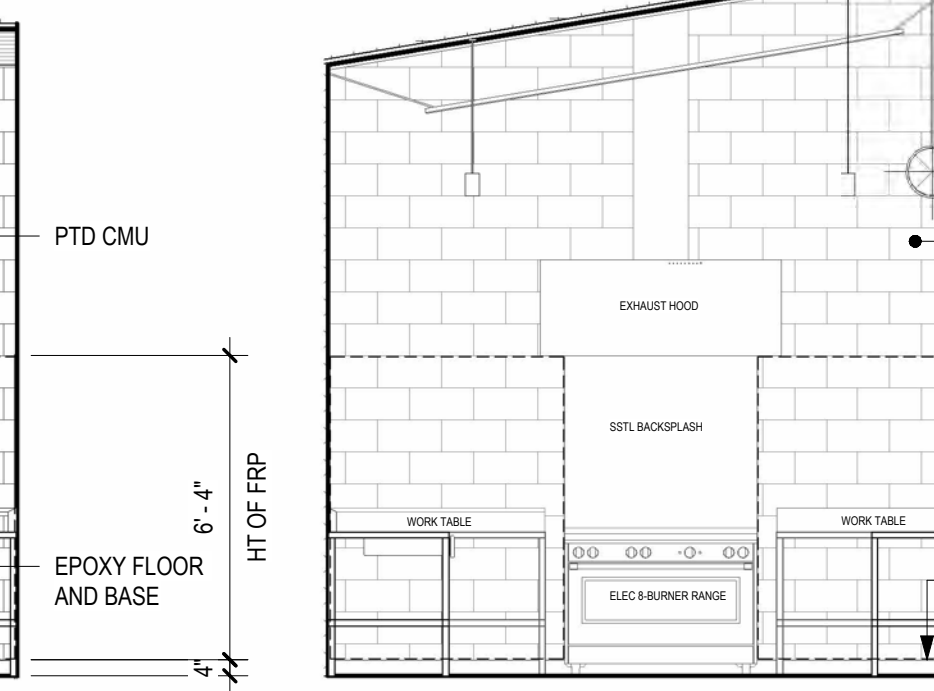
D1 KITCHEN - RM 113 INT ELEV 4  
1/4" = 1'-0"



D2 KITCHEN - RM 113 INT ELEV 3  
1/4" = 1'-0"



D3 KITCHEN - RM 113 INT ELEV 2  
1/4" = 1'-0"

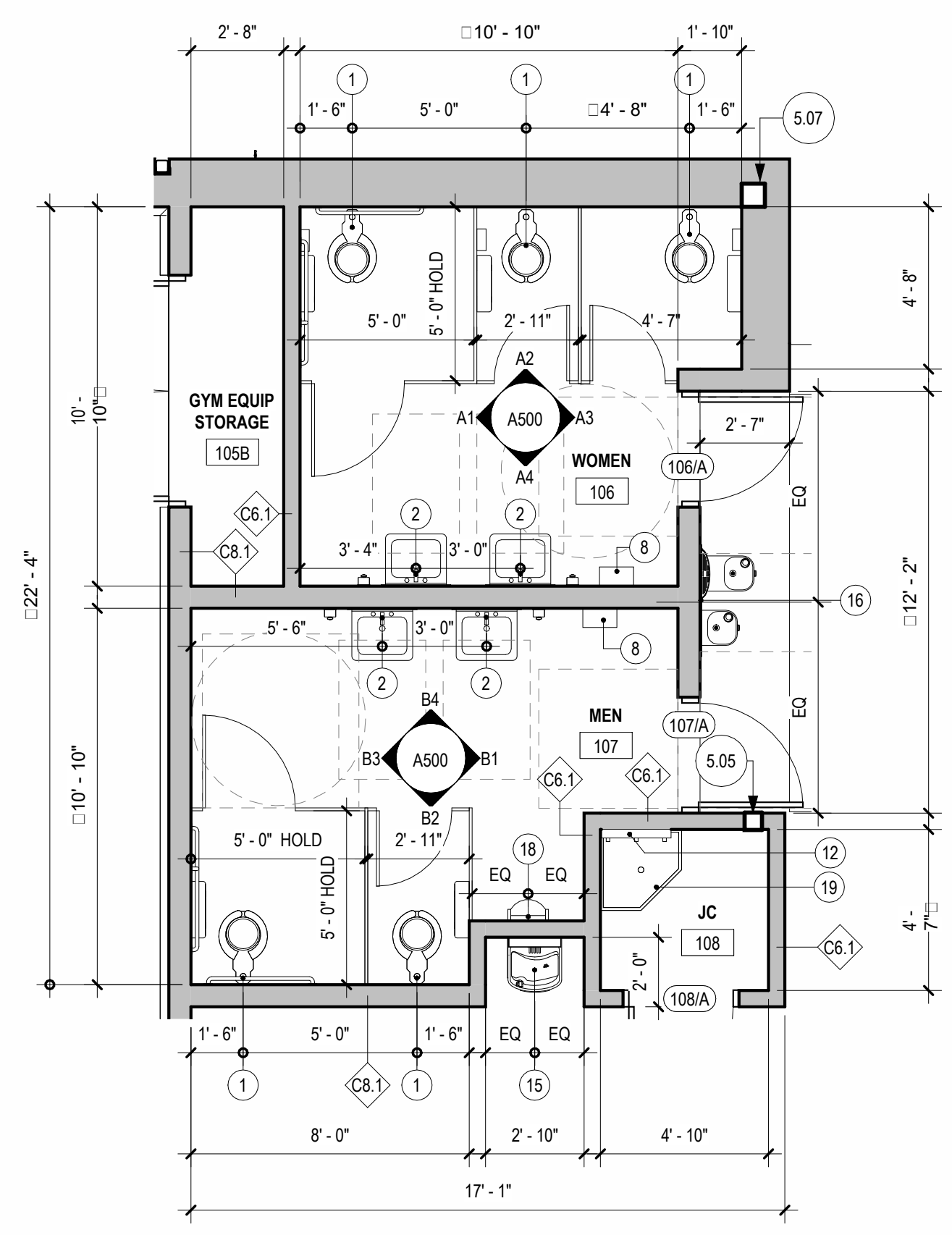


D4 KITCHEN - RM 113 INT ELEV 1  
1/4" = 1'-0"

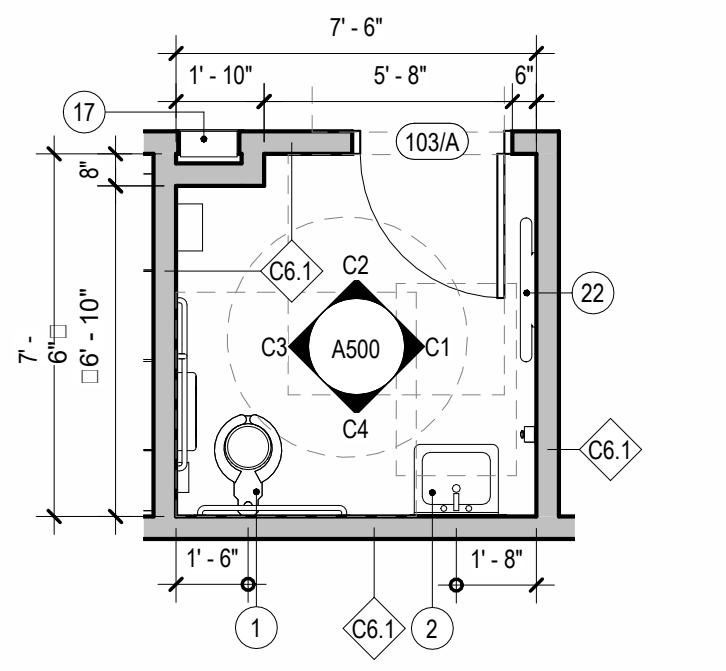
E



D5 ENLARGED KITCHEN - RM 113  
1/4" = 1'-0"



B5 ENLARGED TOILET ROOMS - RM 106 & 107  
1/4" = 1'-0"



C5 ENLARGED ALL-GENDER RESTROOM - RM 103  
1/4" = 1'-0"

MISC ACCESSORIES LEGEND	
KEY	DESCRIPTION
1	FLOOR MOUNTED WATER CLOSET
2	WALL MOUNTED LAVATORY
3	WALL MOUNTED GRAB BARS
4	MIRROR
5	TOILET PAPER DISPENSER
6	SOAP DISPENSER
8	ELECTRIC HAND DRYER
9	SANITARY NAPKIN DISPOSAL
12	WALL MOUNTED MOP STRIP
15	DRINKING FOUNTAIN
16	BI-LEVEL DRINKING FOUNTAIN
17	AED CABINET
18	URINAL
19	MOP SINK
20	REMOVABLE SINK PROTECTION PANEL
21	FIRE EXTINGUISHER CABINET
22	BABY CHANGING STATION

SEE SHEET G005 FOR ADDITIONAL MOUNTING HEIGHTS AND ADDITIONAL INFORMATION

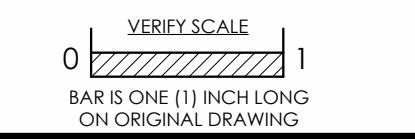
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No.	Date	By	Description

Date: 02/05/2024  
 Scale: 1/4" = 1'-0"  
 Job No.: 604.2  
 Drawn: NB, KN    Appd.: cs

Sheet Title:  
 ENLARGED DWGS - PLANS + INT ELEV

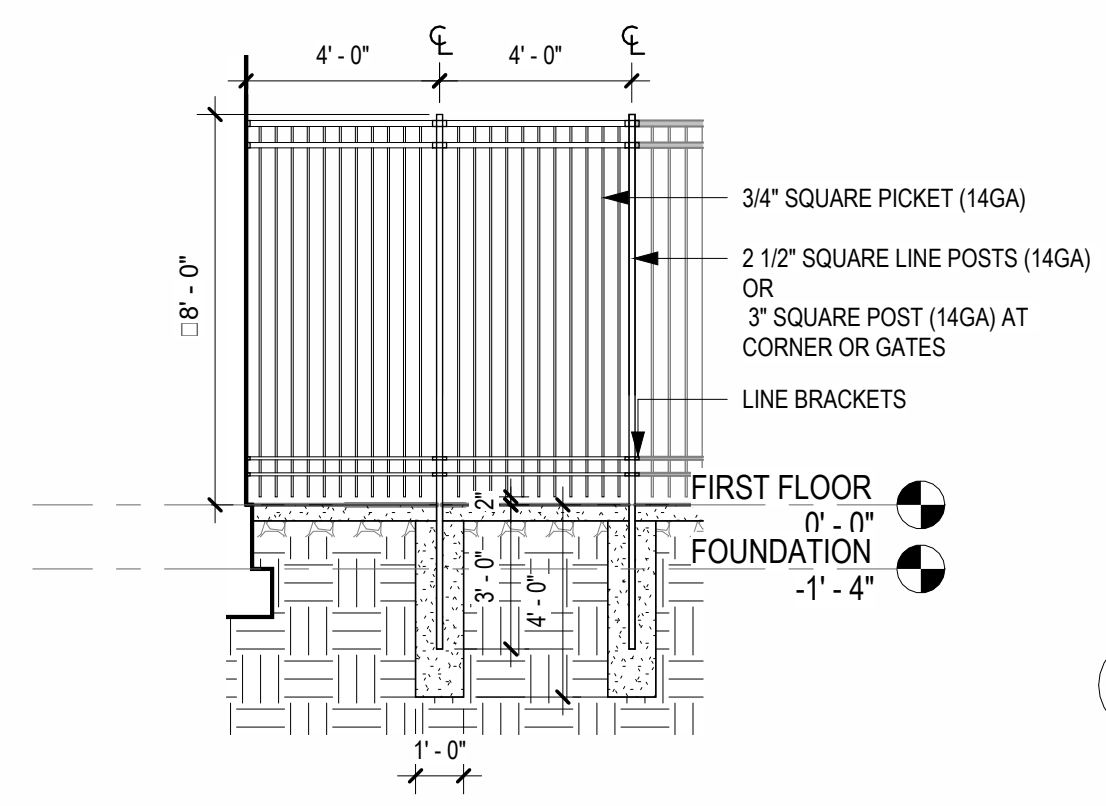
Sheet No.  
**A500**

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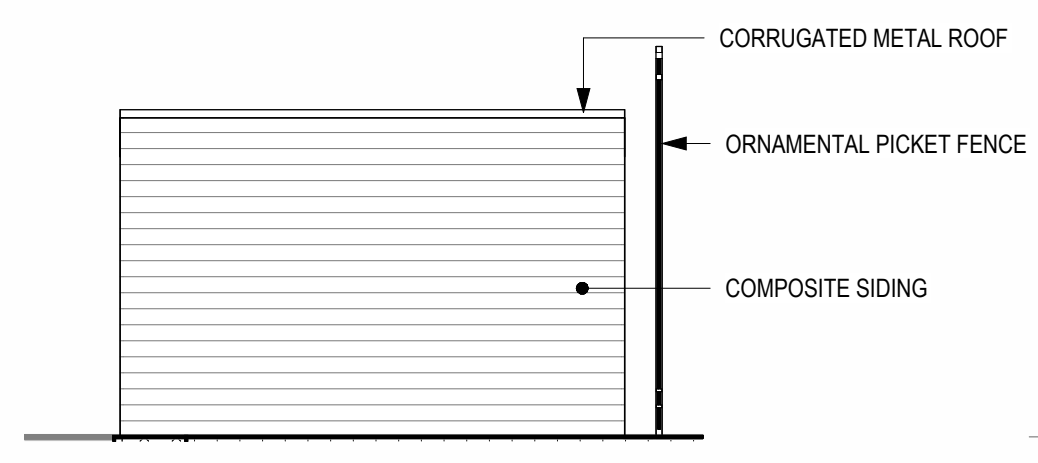
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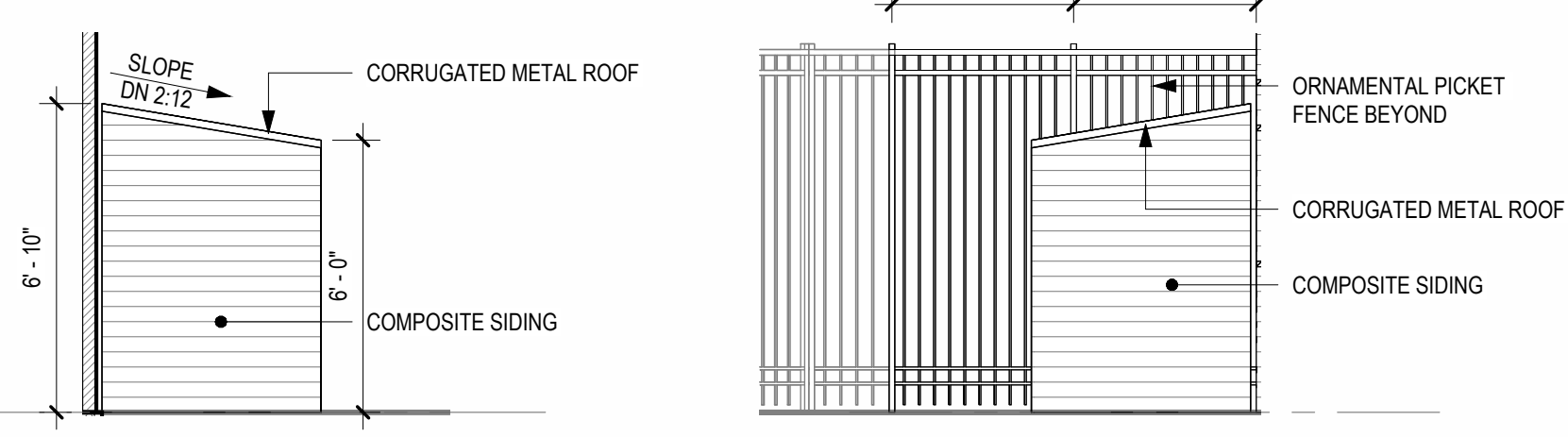
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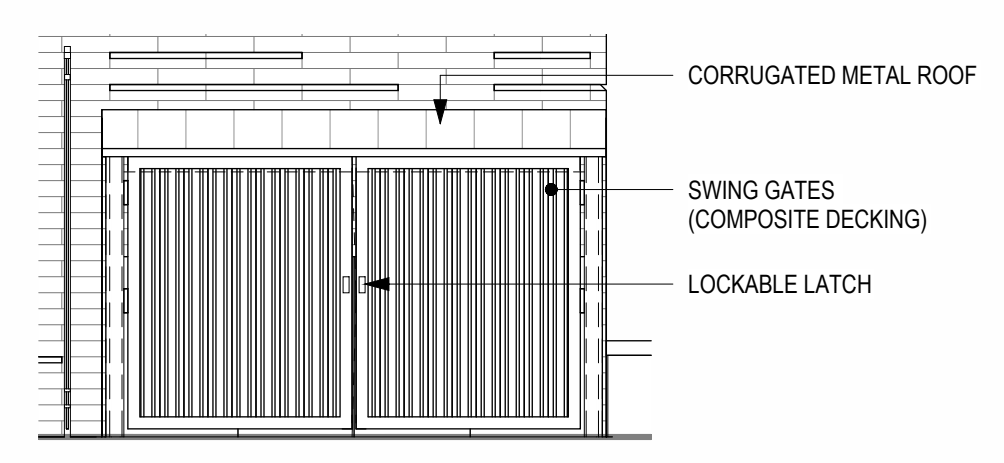
A2 GARBAGE SHED ELEVATION 4  
1/4" = 1'-0"



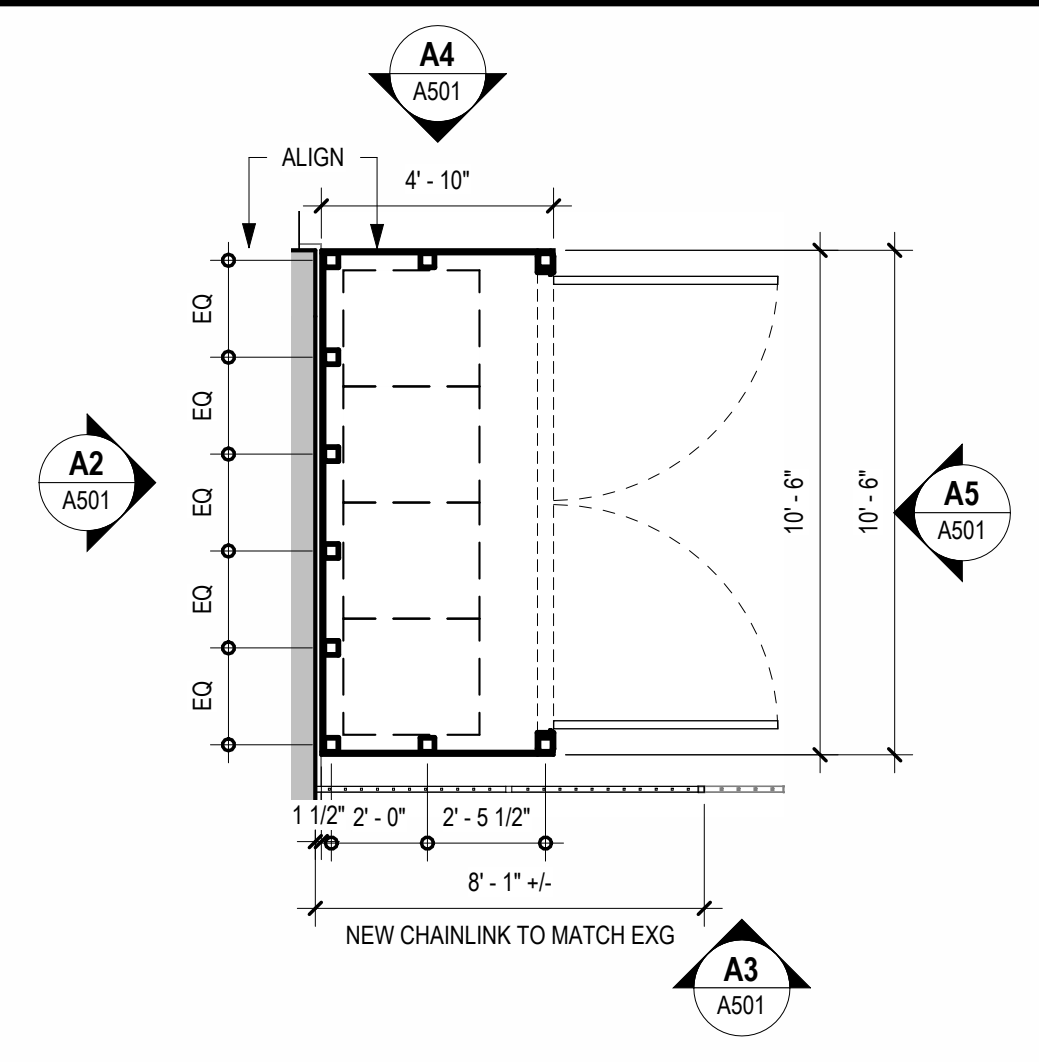
A3 GARBAGE SHED ELEVATION 3  
1/4" = 1'-0"



A4 GARBAGE SHED ELEVATION 2  
1/4" = 1'-0"



A5 GARBAGE SHED ELEVATION 1  
1/4" = 1'-0"

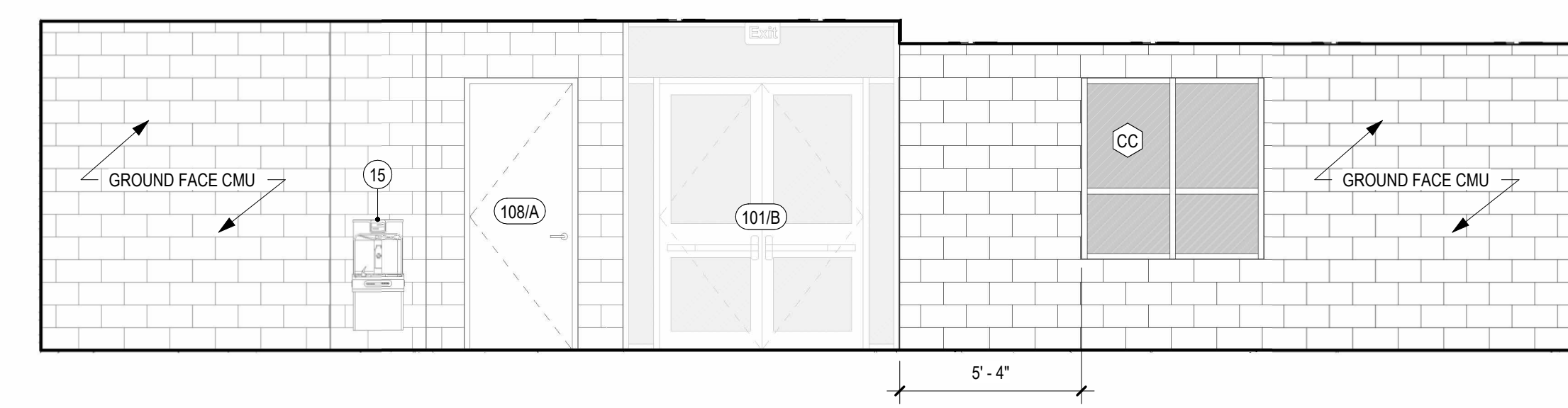


A6 GARBAGE ENCLOSURE  
1/4" = 1'-0"

B

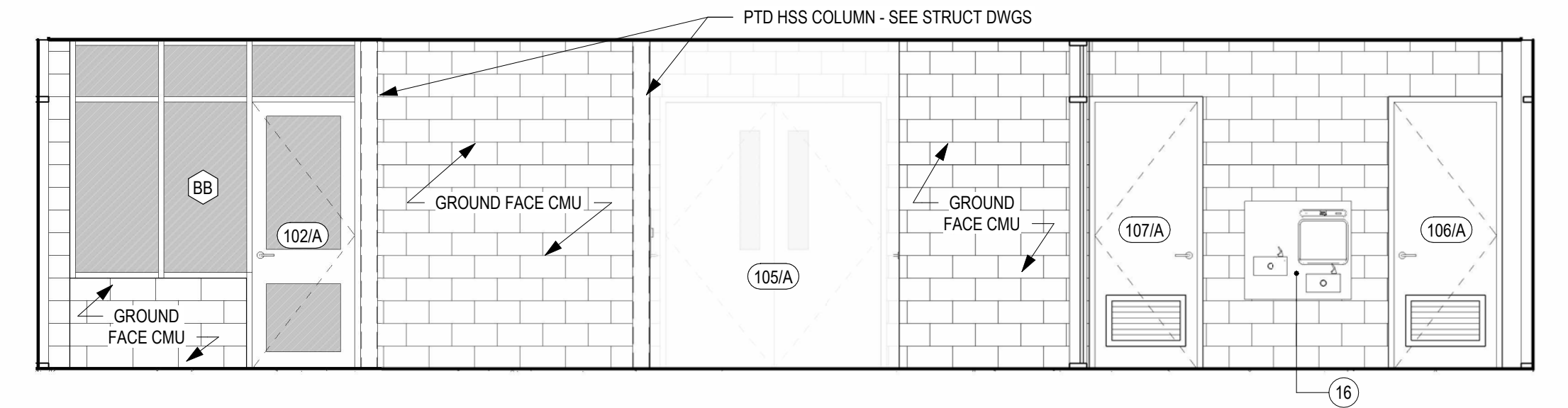
B1 TYPICAL DECORATED FENCE PROFILE  
1/4" = 1'-0"

C

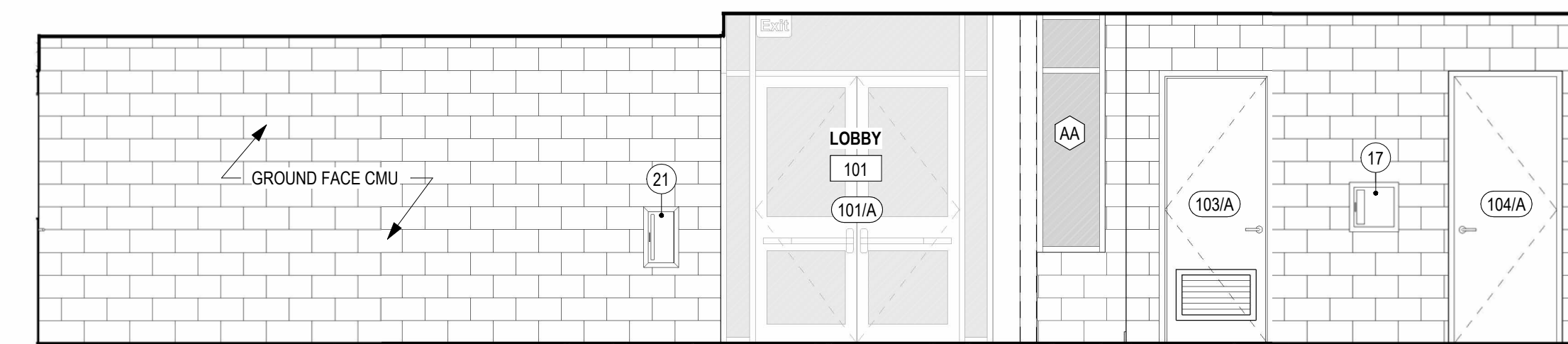


C2 INT ELEV FROM LOBBY - MP WALL  
1/4" = 1'-0"

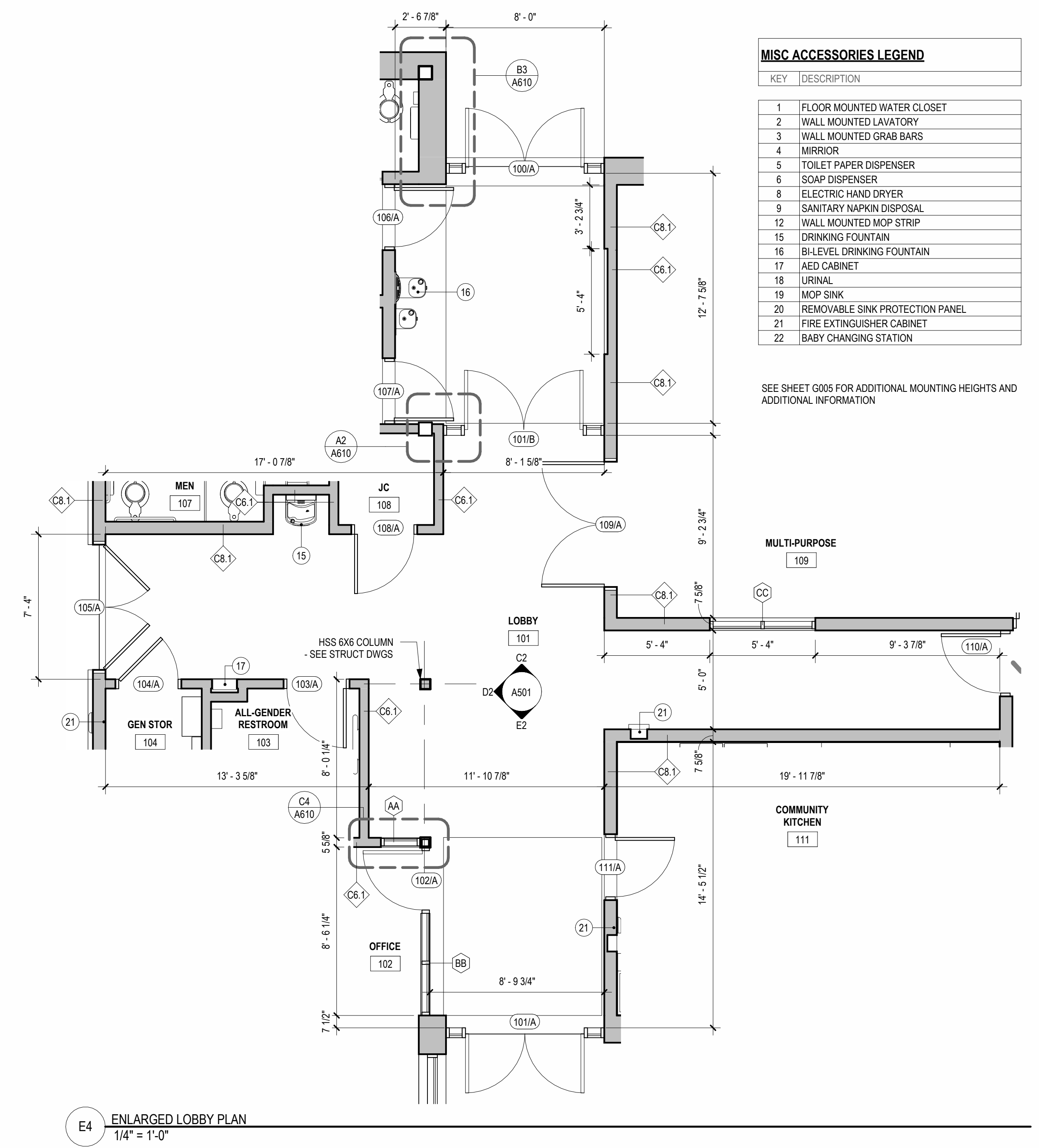
D



D2 INT ELEV LOBBY - OFFICE  
1/4" = 1'-0"



E2 INT ELEV LOBBY - GYM  
1/4" = 1'-0"



E4 ENLARGED LOBBY PLAN  
1/4" = 1'-0"

MISC ACCESSORIES LEGEND

KEY	DESCRIPTION
1	FLOOR MOUNTED WATER CLOSET
2	WALL MOUNTED LAVATORY
3	WALL MOUNTED GRAB BARS
4	MIRROR
5	TOILET PAPER DISPENSER
6	SOAP DISPENSER
8	ELECTRIC HAND DRYER
9	SANITARY NAPKIN DISPOSAL
12	WALL MOUNTED MOP STRIP
15	DRINKING FOUNTAIN
16	BI-LEVEL DRINKING FOUNTAIN
17	AED CABINET
18	URINAL
19	MOP SINK
20	REMOVABLE SINK PROTECTION PANEL
21	FIRE EXTINGUISHER CABINET
22	BABY CHANGING STATION

SEE SHEET G005 FOR ADDITIONAL MOUNTING HEIGHTS AND ADDITIONAL INFORMATION

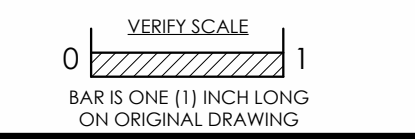
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No.	Date	By	Description

Date: 02/05/2024  
 Scale: 1/4" = 1'-0"  
 Job No.: 604.2  
 Drawn: NB, KN Appd.: cs

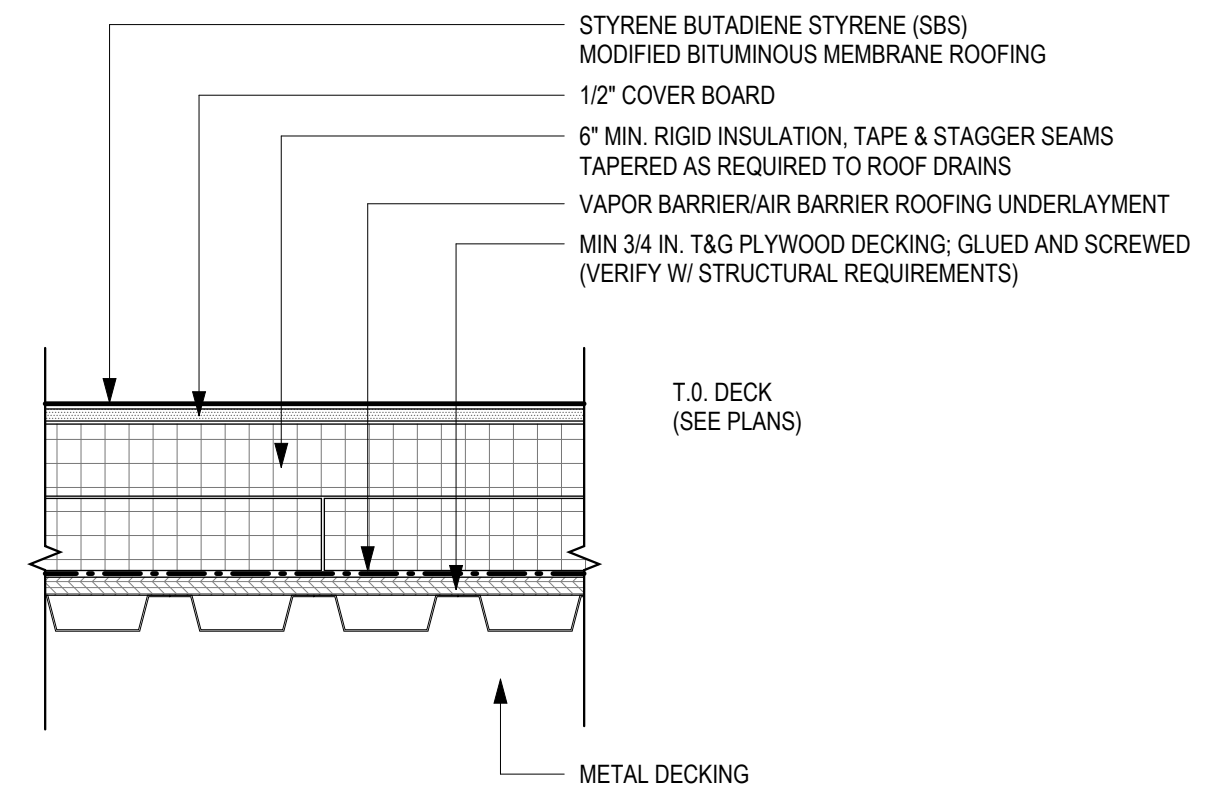
Sheet Title:  
ENLARGED DWGS - PLANS + ELEVS

Sheet No.  
**A501**

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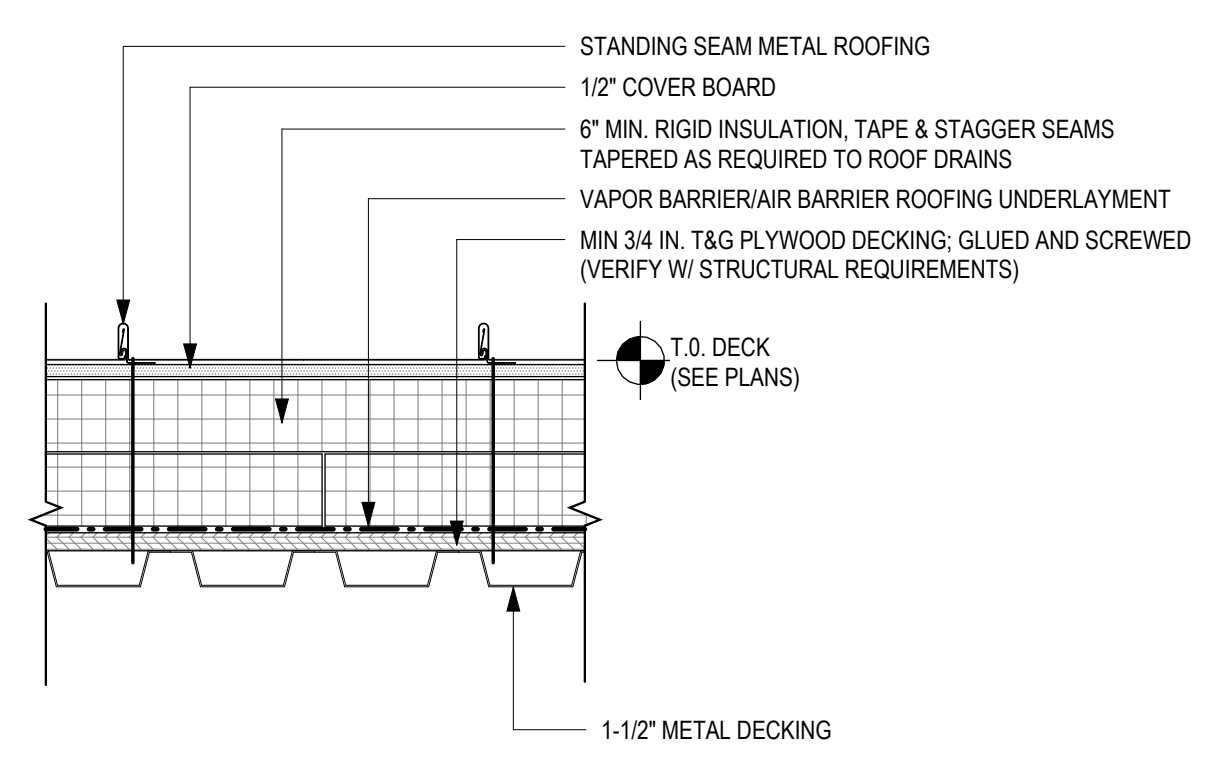


A



INSULATION R-VALUE  
**R-30ci**

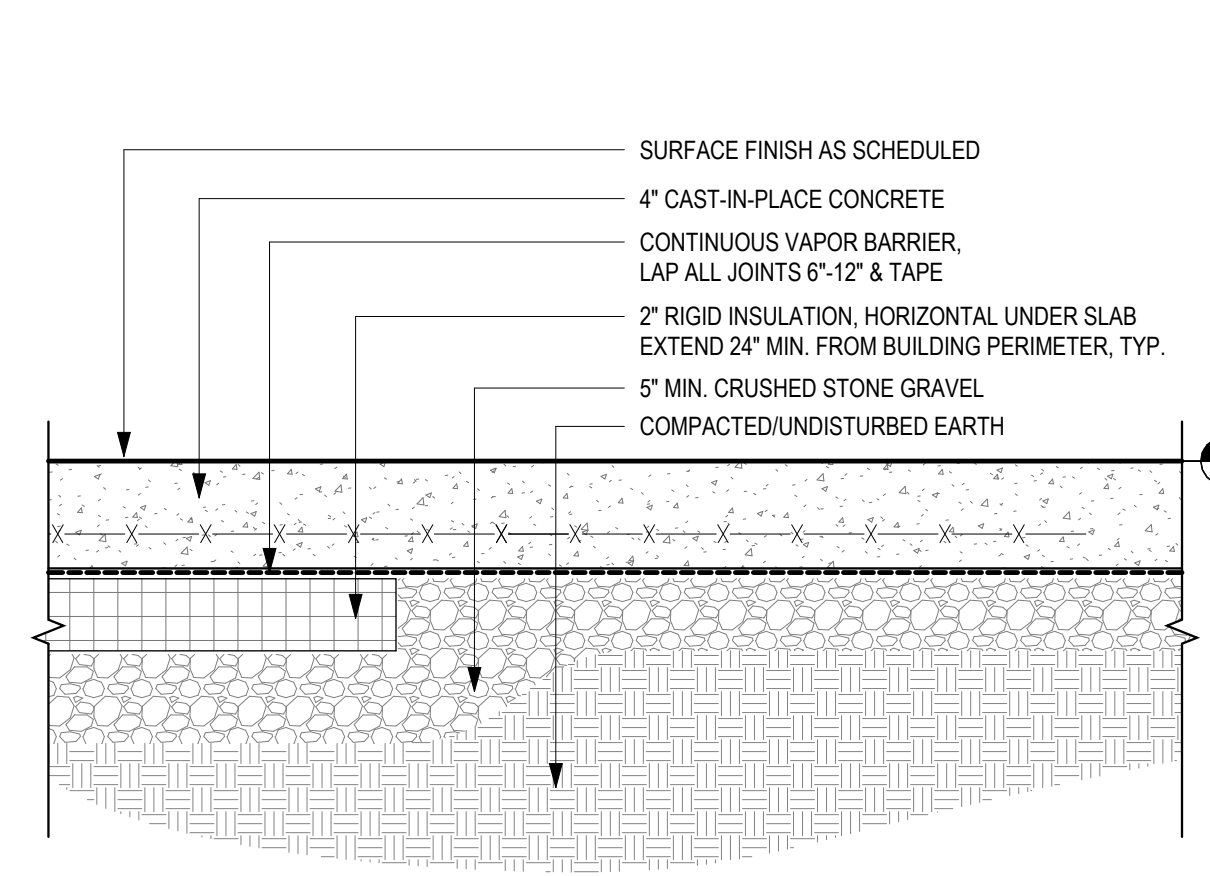
**R1** MODIFIED BITUMINOUS MEMBRANE ROOFING  
1 1/2" = 1'-0"



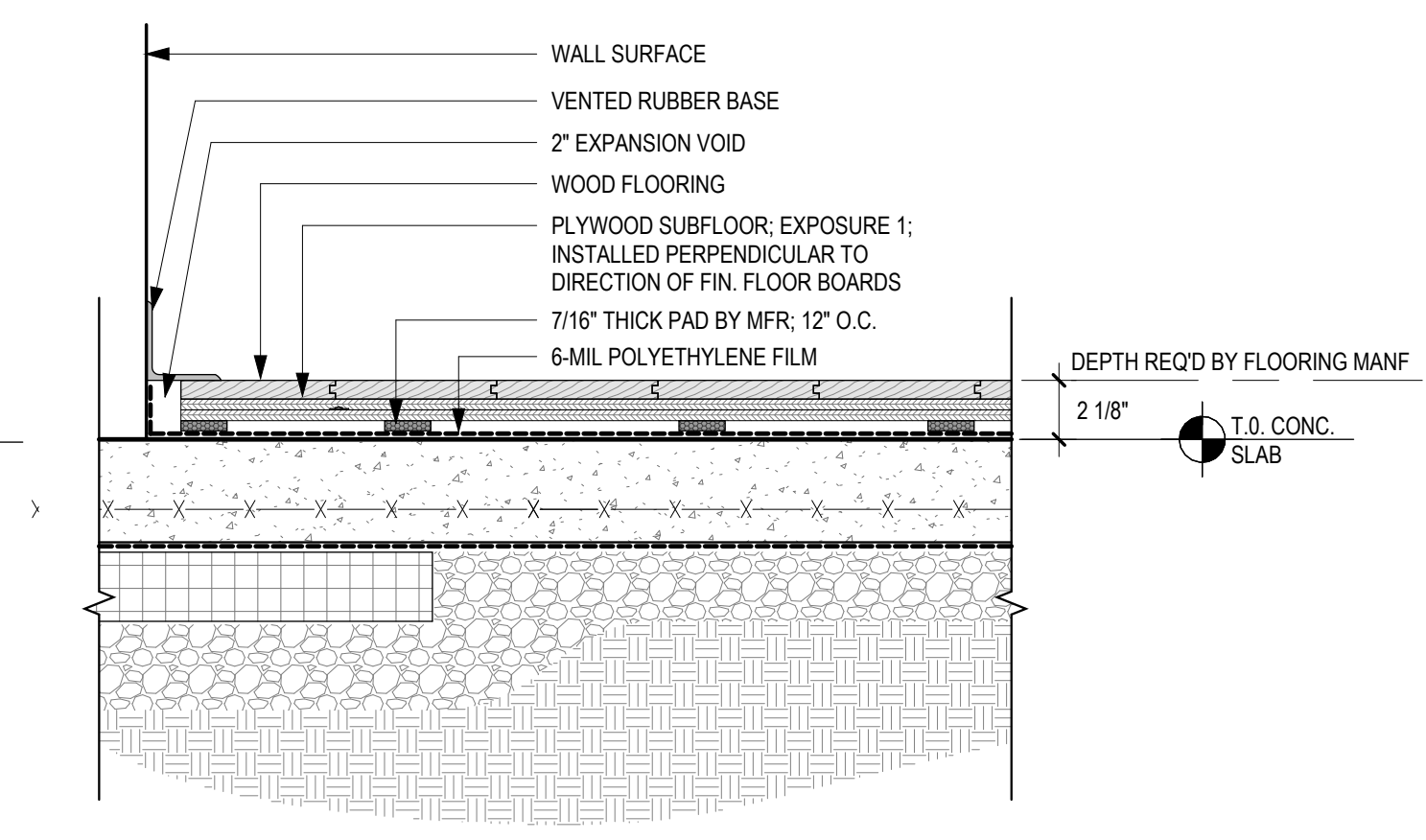
INSULATION R-VALUE  
**R-30ci**

**R2** STANDING SEAM ROOFING  
1 1/2" = 1'-0"

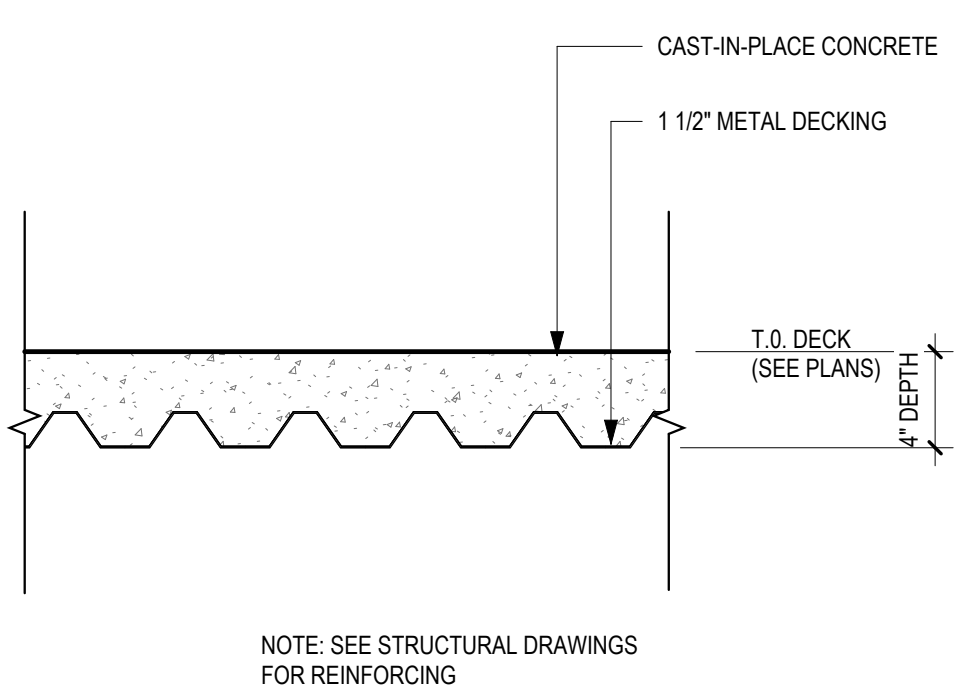
B



**FL1** FLOOR TYPE - FL1 - CONCRETE SLAB ON GRADE  
1 1/2" = 1'-0"



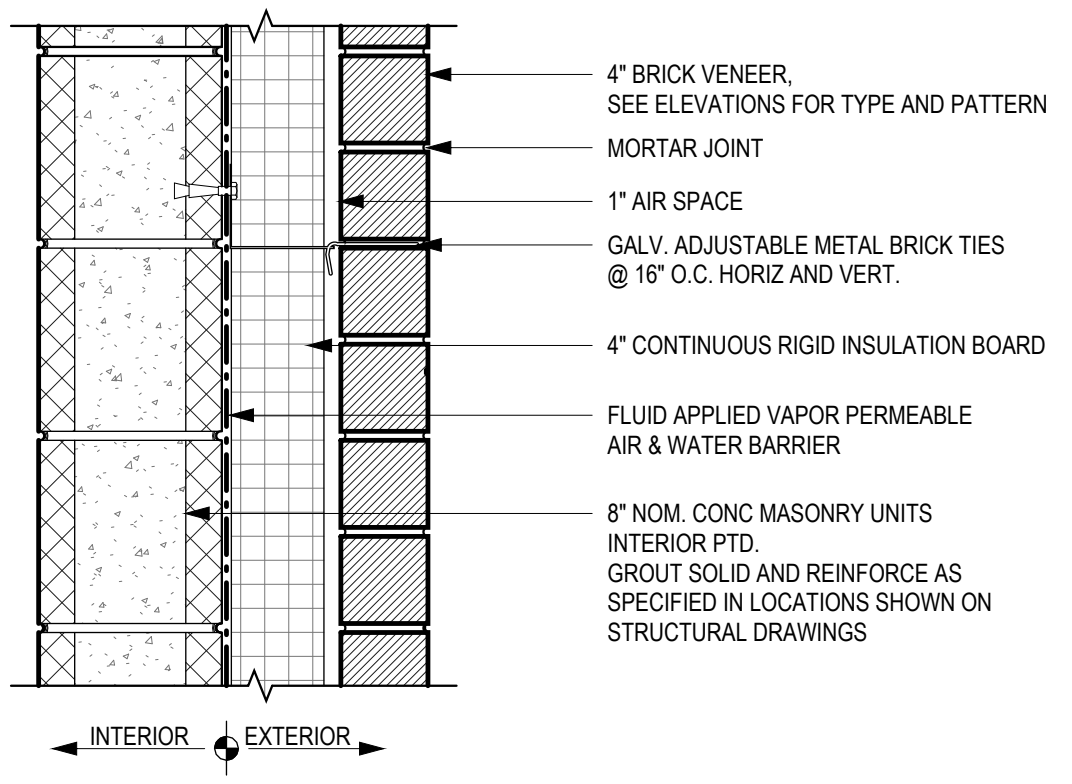
**FL2** FLOOR TYPE - FL2 - WD SPORTS FLOOR OVER CONCRETE SLAB ON GRADE  
1 1/2" = 1'-0"



**FL3** CONCRETE SLAB OVER METAL DECKING  
1 1/2" = 1'-0"

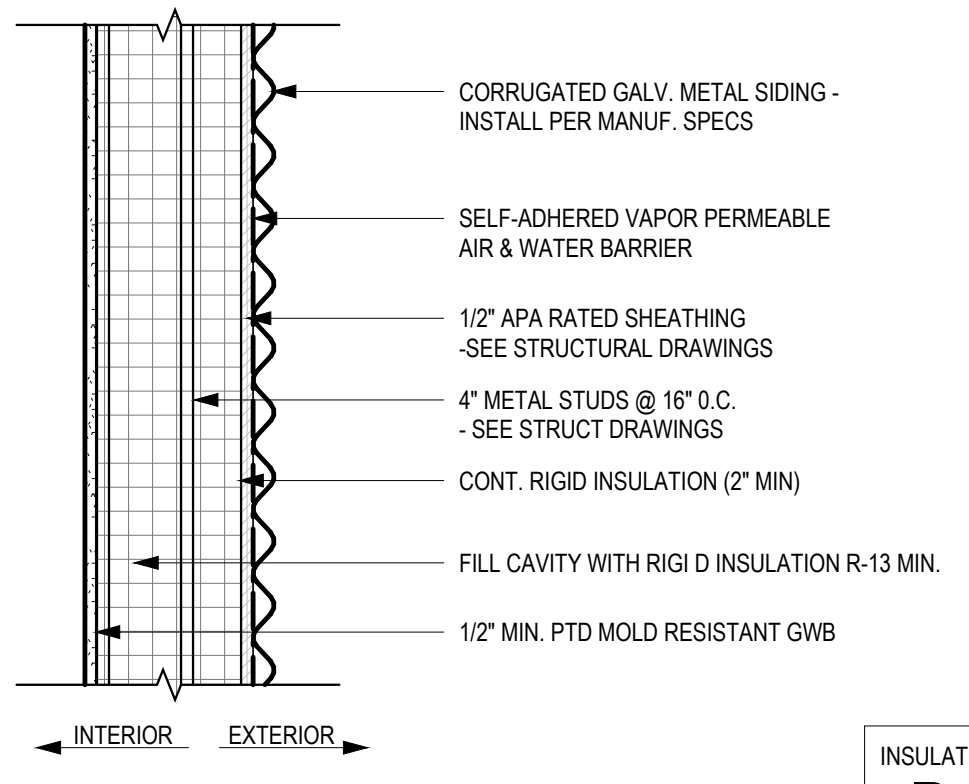
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D



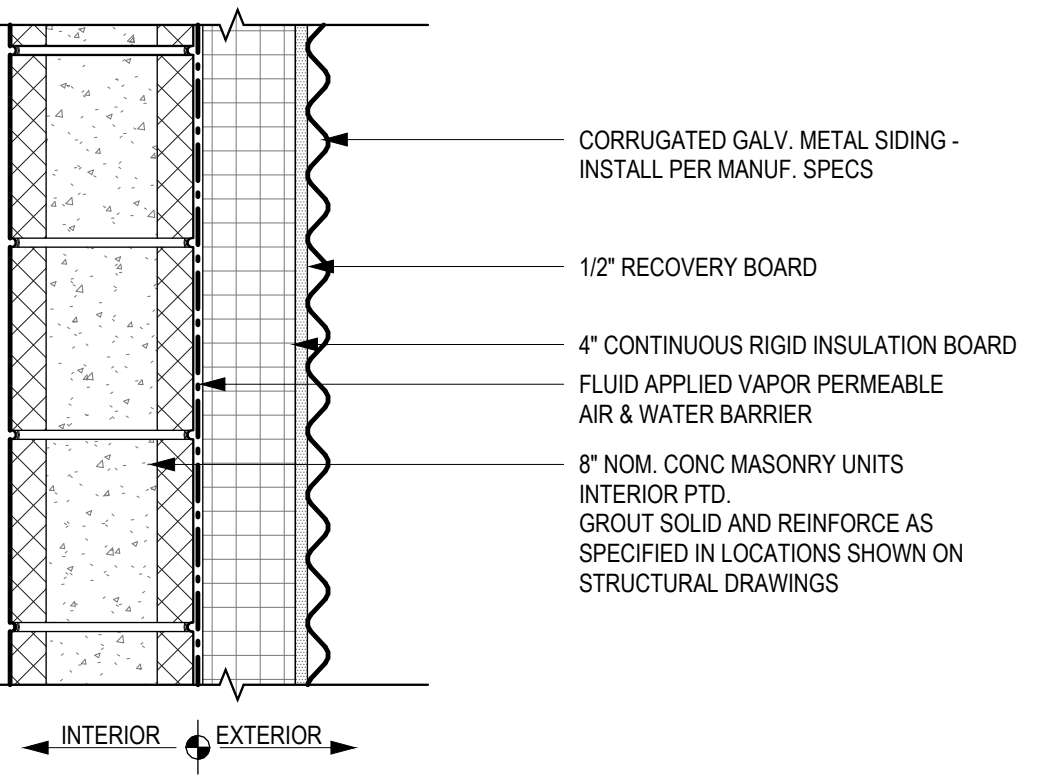
INSULATION R-VALUE  
**R-20ci**

**EW1** EXTERIOR WALL ASSEMBLY - TYPE EW1  
1 1/2" = 1'-0"



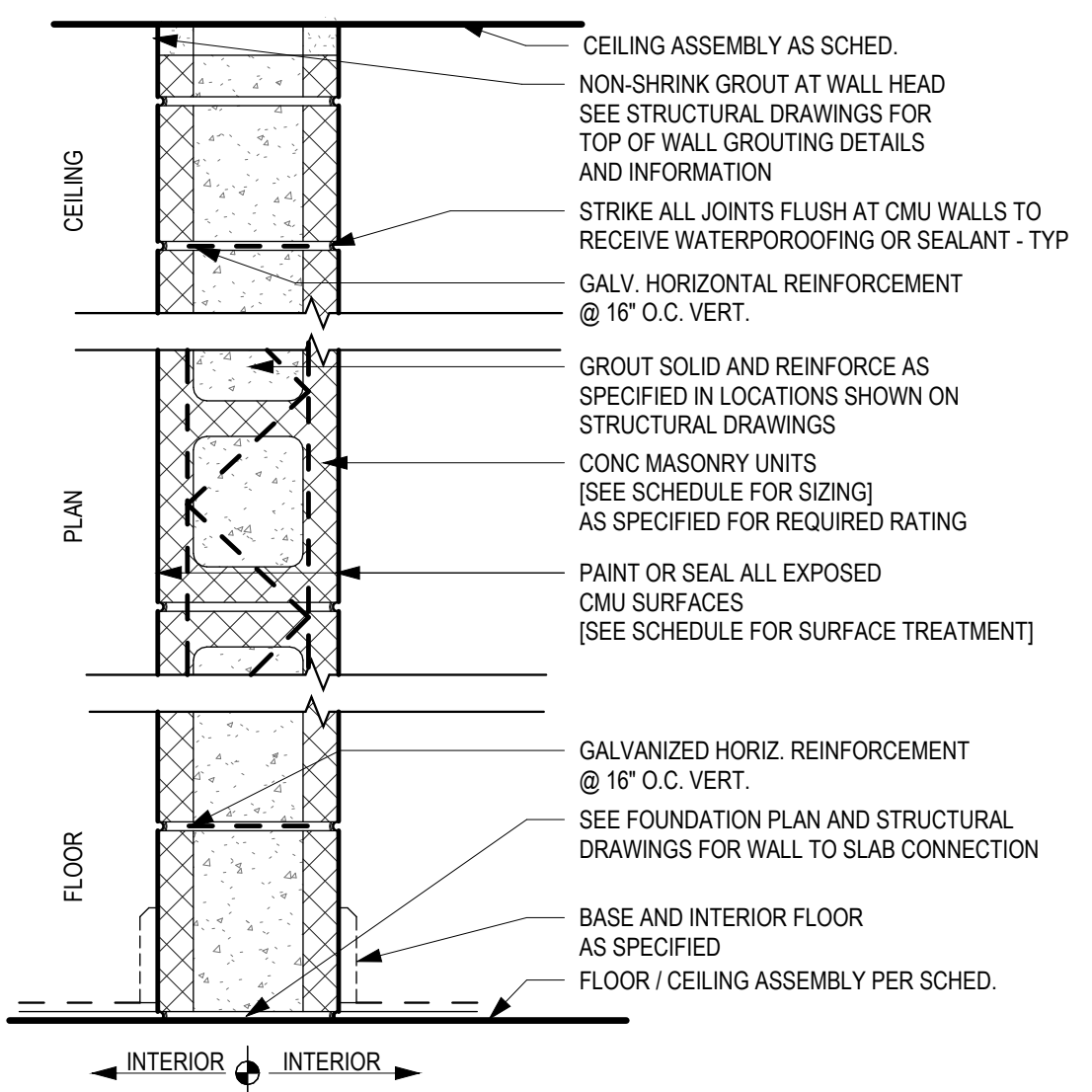
INSULATION R-VALUE  
**R-13cav  
+ R-7ci**

**EW2** VINYL SIDING (NR)  
1 1/2" = 1'-0"



INSULATION R-VALUE  
**R-20ci**

**EW3** EXTERIOR WALL ASSEMBLY - TYPE EW3  
1 1/2" = 1'-0"



**TYPICAL INTERIOR PARTITION TYPES**

TYPE	FRAMING SIZE	FIRE RATING		STC		DESCRIPTION	SOUND BATT	LIMITING HEIGHT FACTOR	COMMENTS
		ASSEMBLY #	HOLLOW	HOLLOW	GROUT-FILLED				
C6.1	0' - 5 5/8"			32	51	6" NOM. CMU (NON-LOAD BEARING)	No		
C8.1	0' - 7 5/8"			42	55	8" NOM. CMU	No		

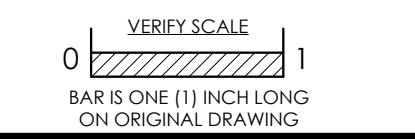
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No.	Date	By	Description

Date: 02/05/2024  
Scale: 1 1/2" = 1'-0"  
Job No. 604.2  
Drawn: NB,KN Appd.: cs

Sheet Title:  
PARTITION & ASSEMBLY  
SCHEDULE

Sheet No.  
**A600**



1 2 3 4 5 6

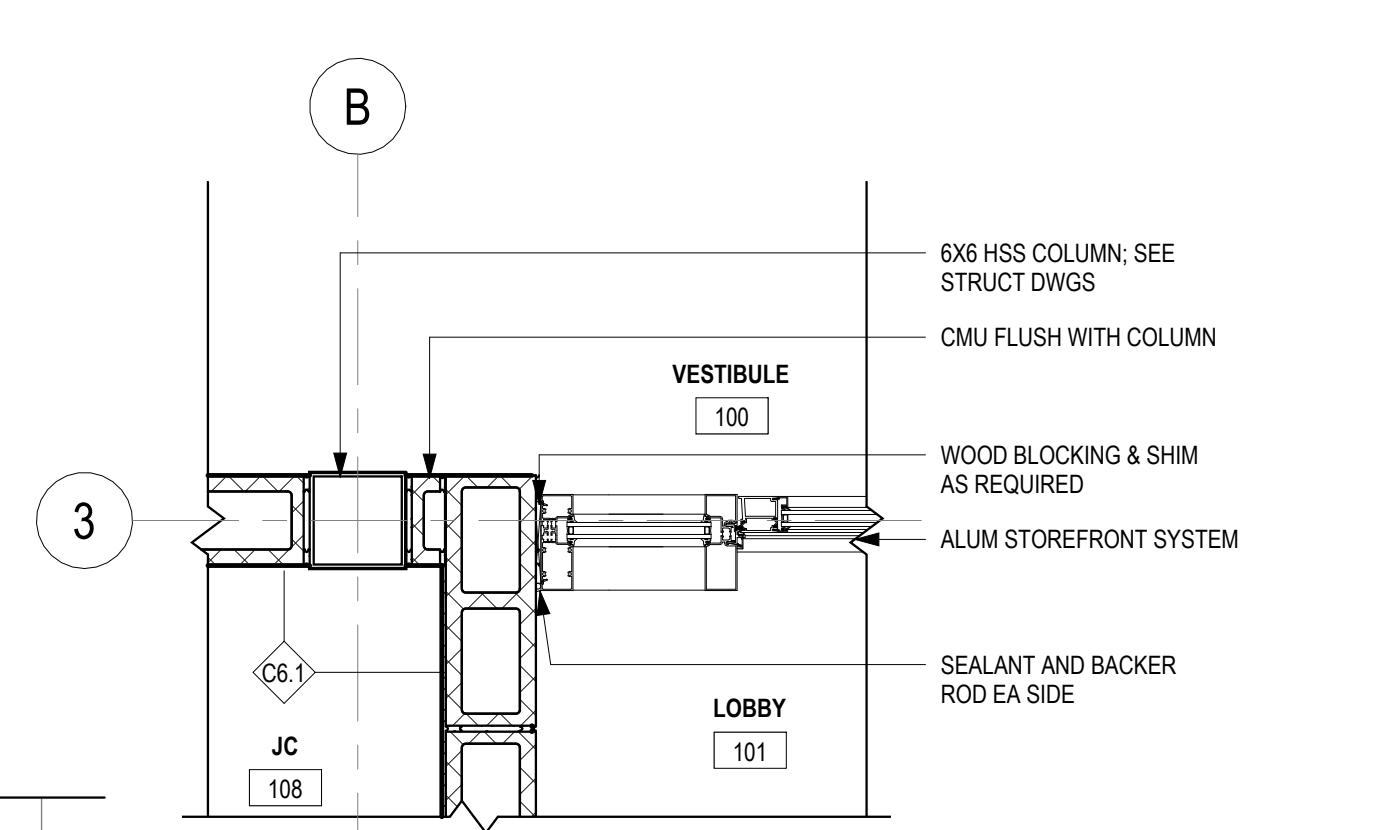
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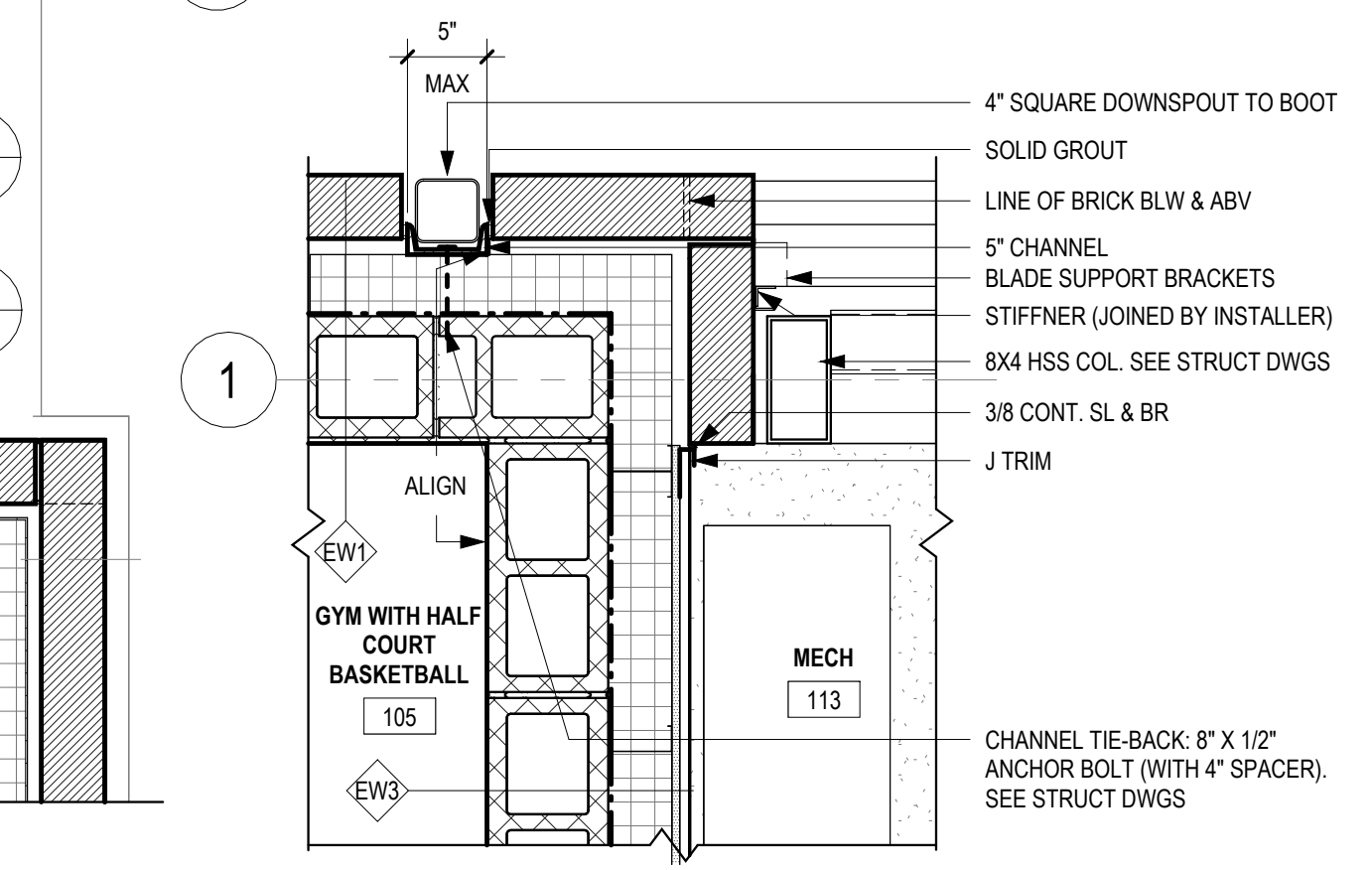
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D

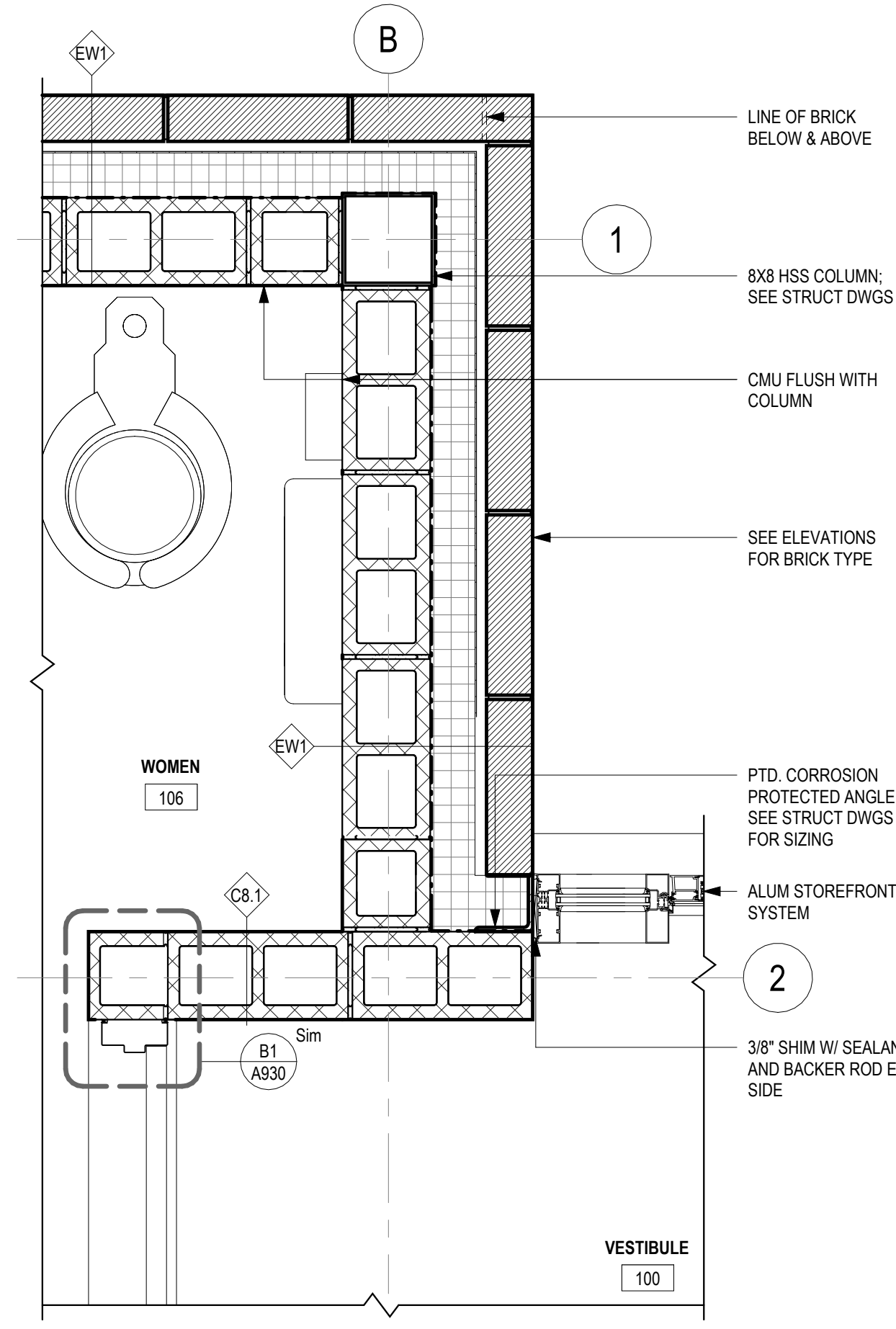
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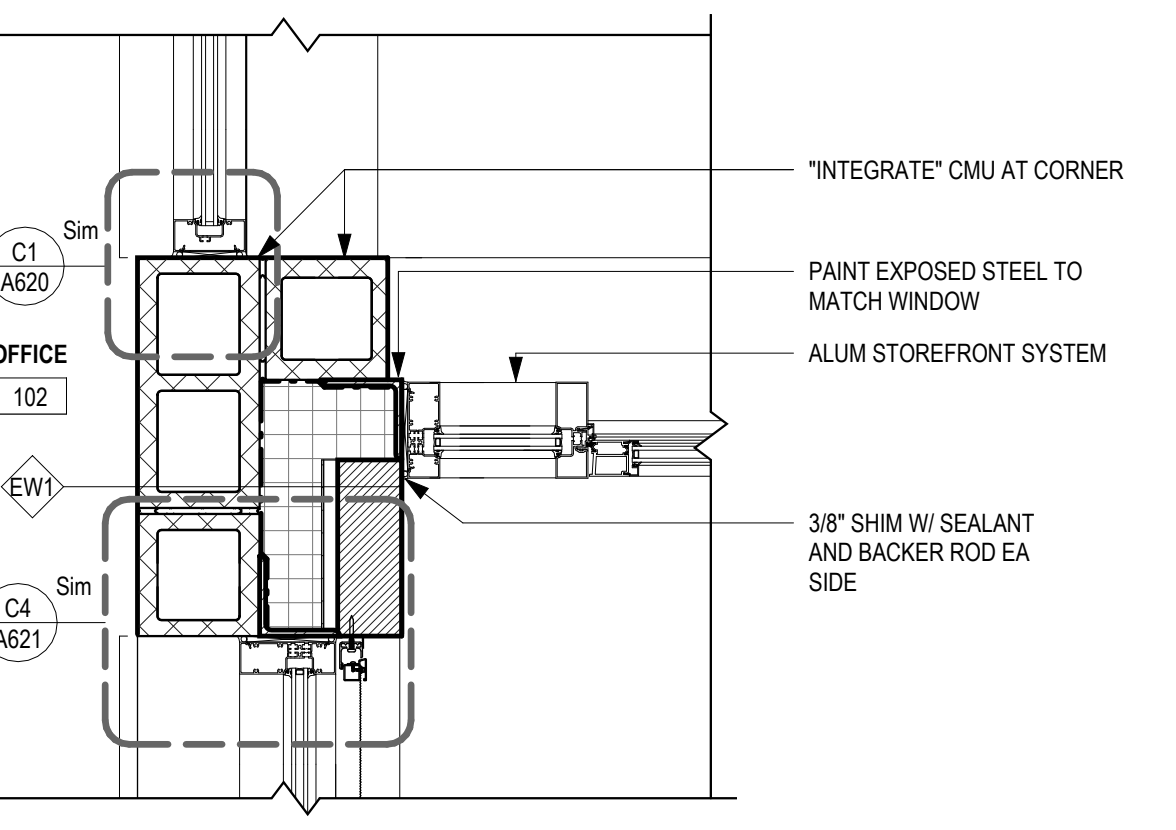
A2 DETAIL @ INTERIOR STOREFRONT VESTIBULE JAMB  
1" = 1'-0"



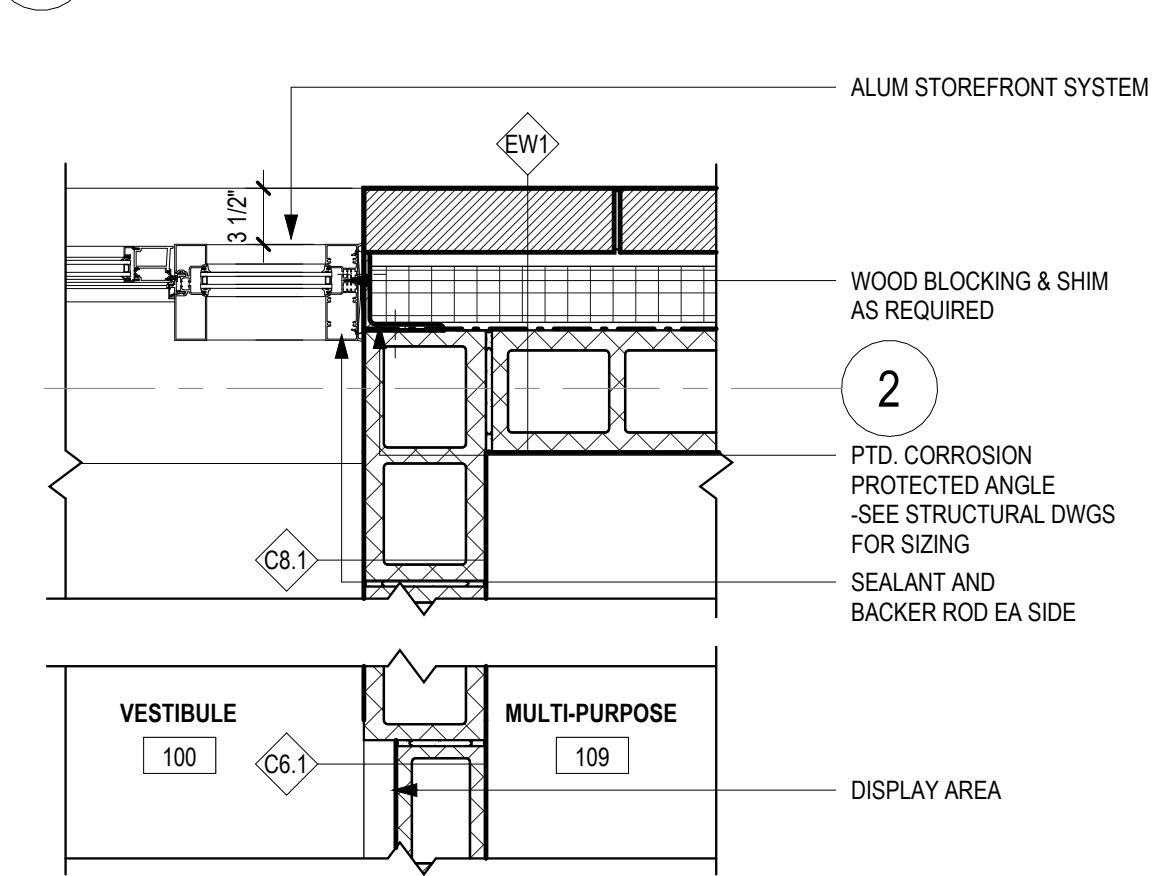
B2 PLAN DETAIL @ LOUVER  
1" = 1'-0"



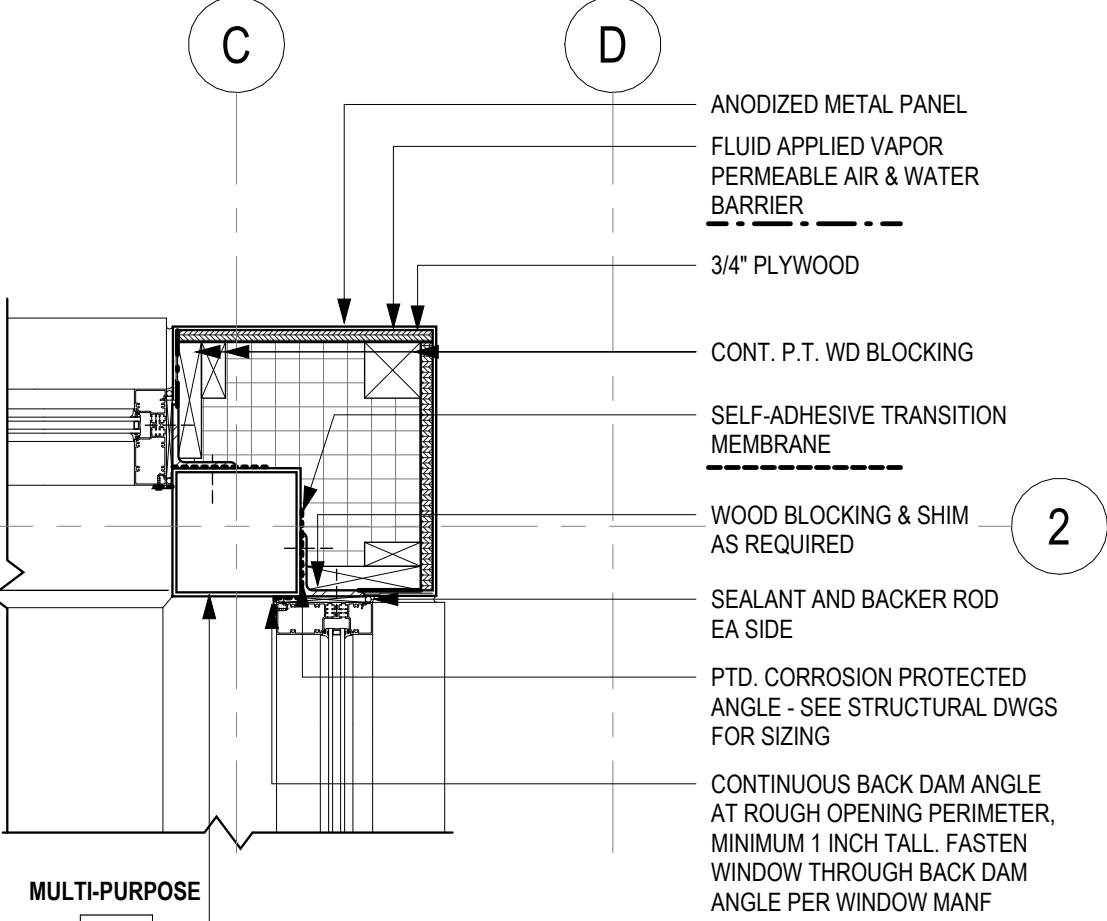
B3 DETAIL @ EXTERIOR STOREFRONT JAMB  
1" = 1'-0"



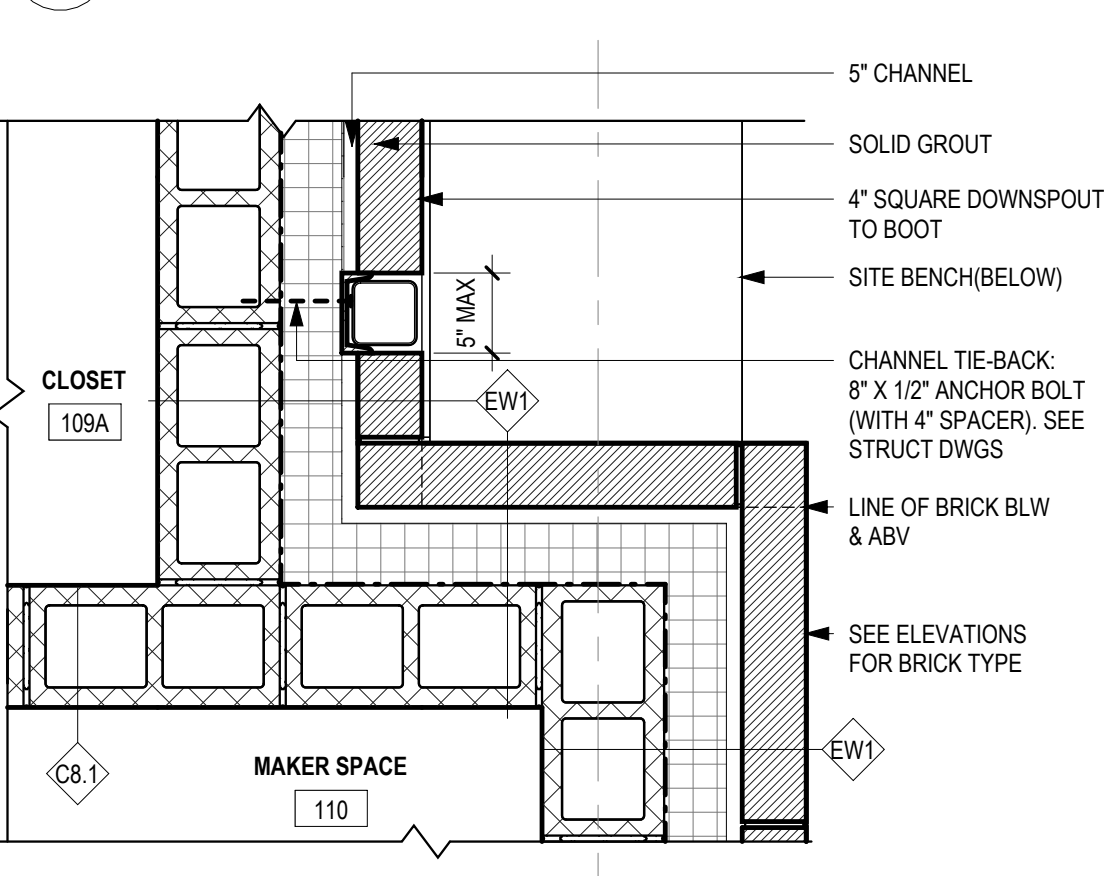
A4 DETAIL @ EXTERIOR JAMB  
1" = 1'-0"



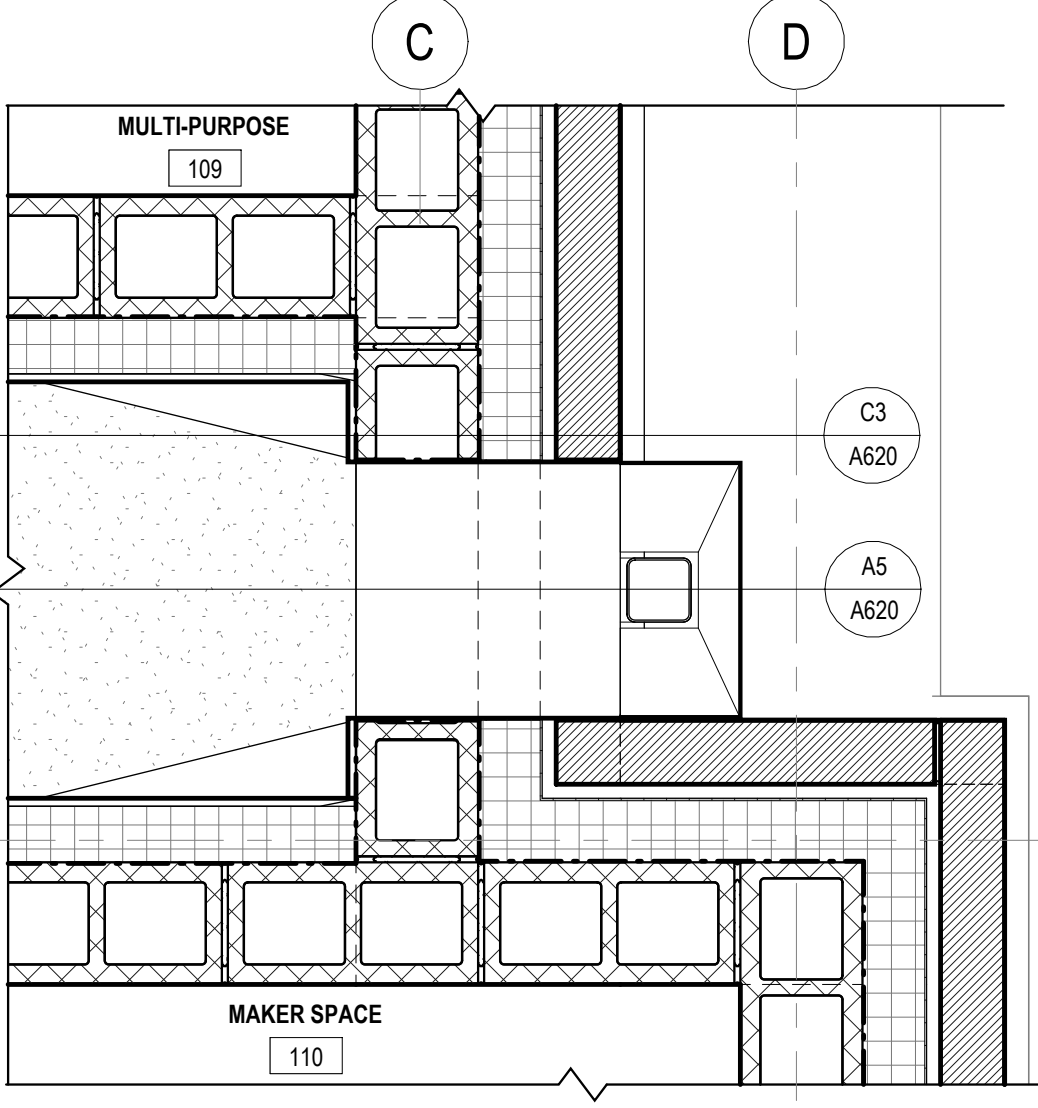
B4 DETAIL @ EXTERIOR JAMB AND DISPLAY AREA  
1" = 1'-0"



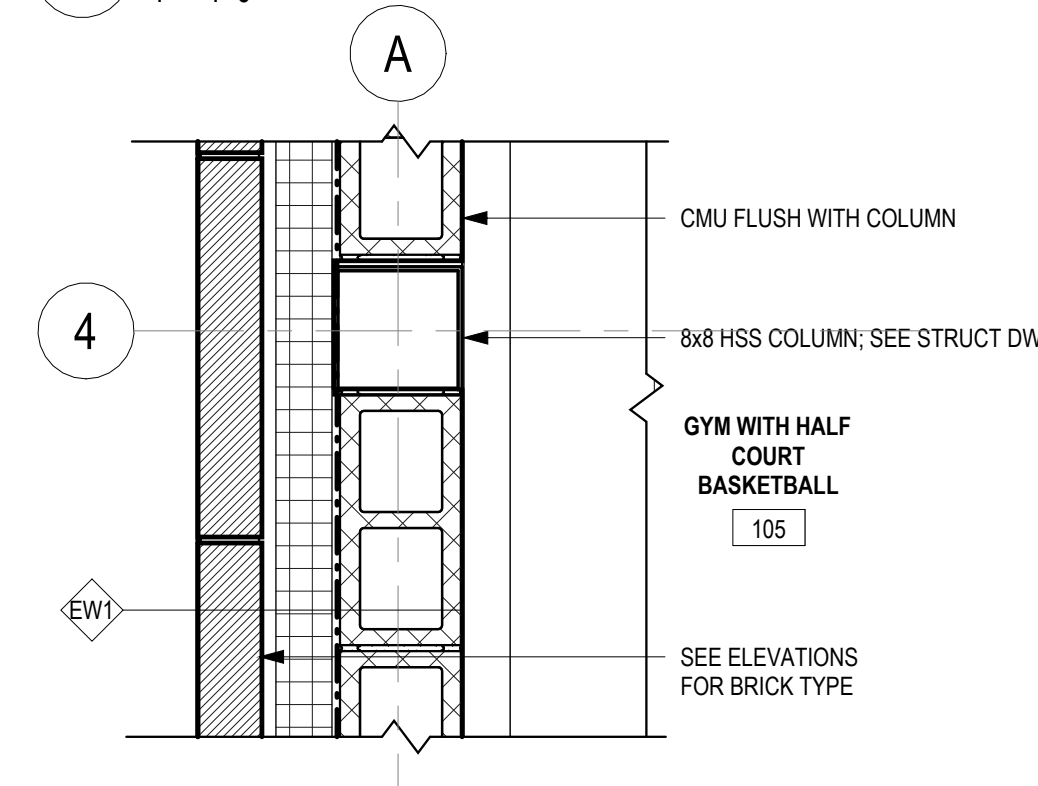
A6 DETAIL @ MULTI-PURPOSE CORNER  
1" = 1'-0"



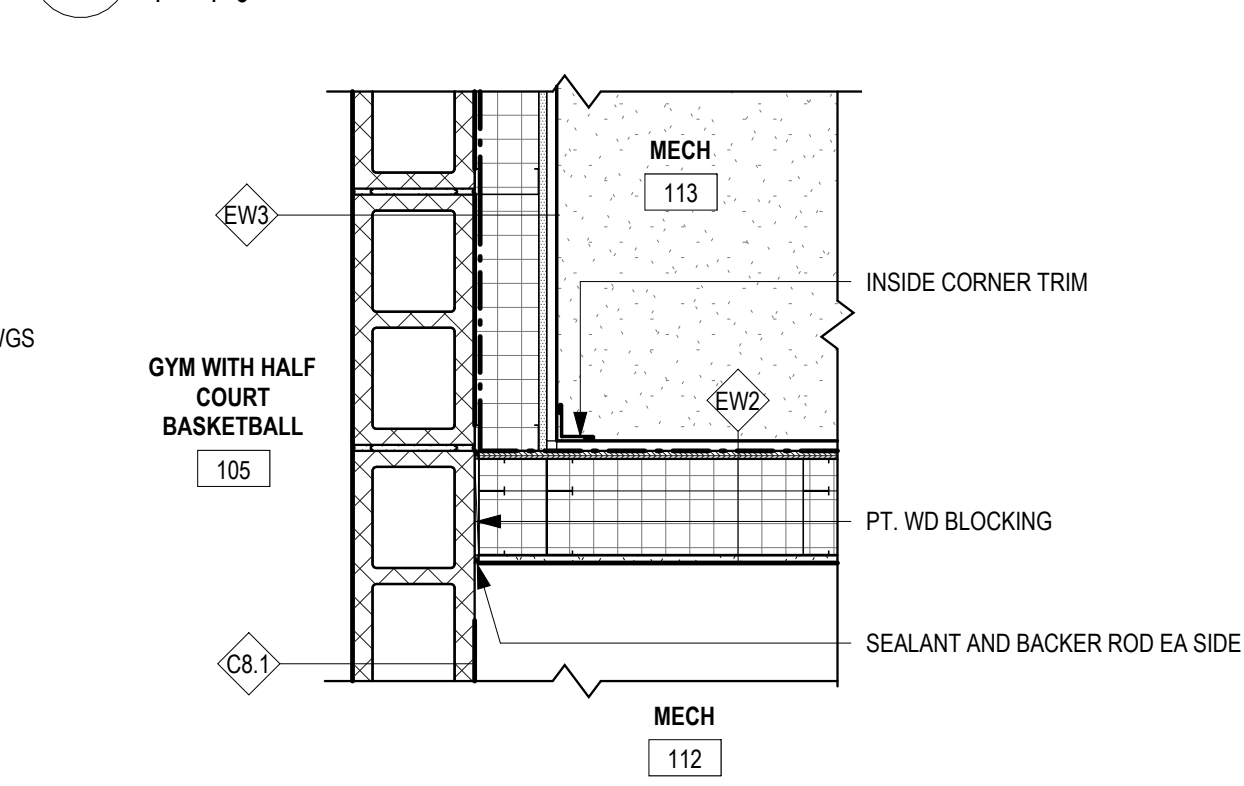
B6 DOWNSPOUT DETAIL @ BRICK  
1" = 1'-0"



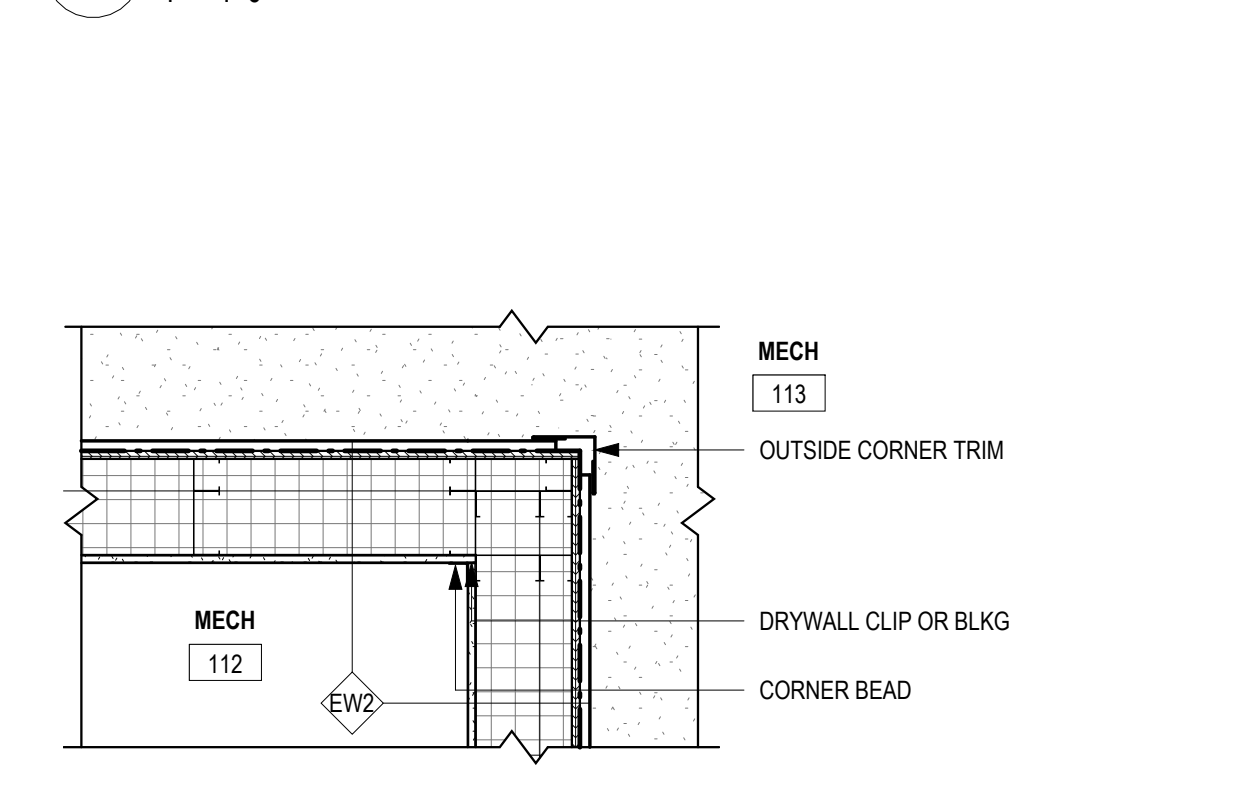
B1 DETAIL @ BUTTERFLY SCUPPER  
1" = 1'-0"



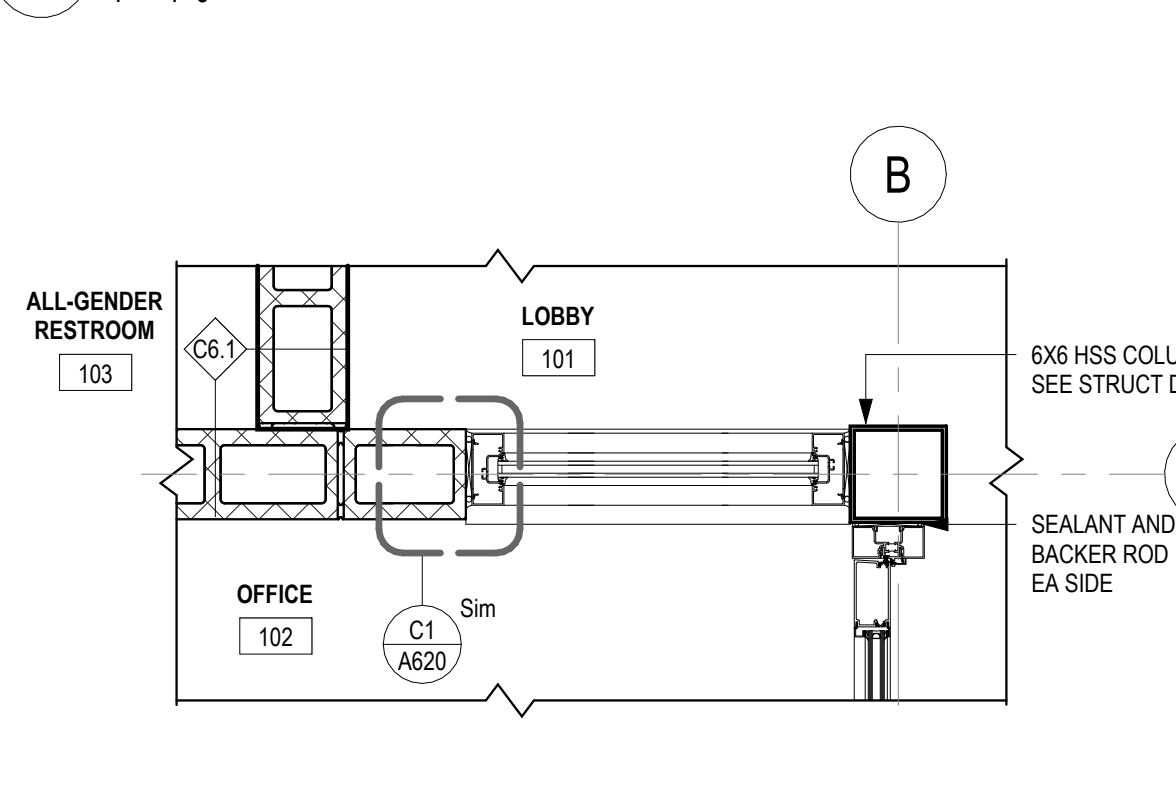
C4 DETAIL @ INTERIOR OFFICE CORNER  
1" = 1'-0"



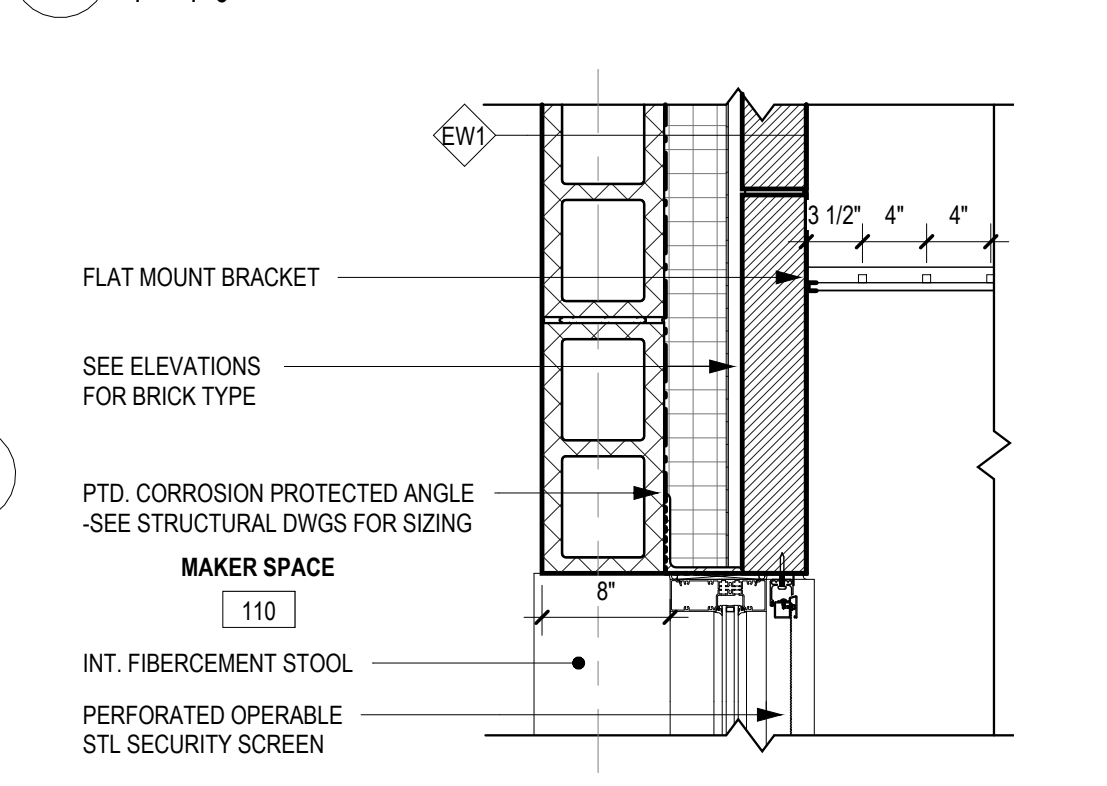
C2 PLAN DETAIL @ MECH ROOM  
1" = 1'-0"



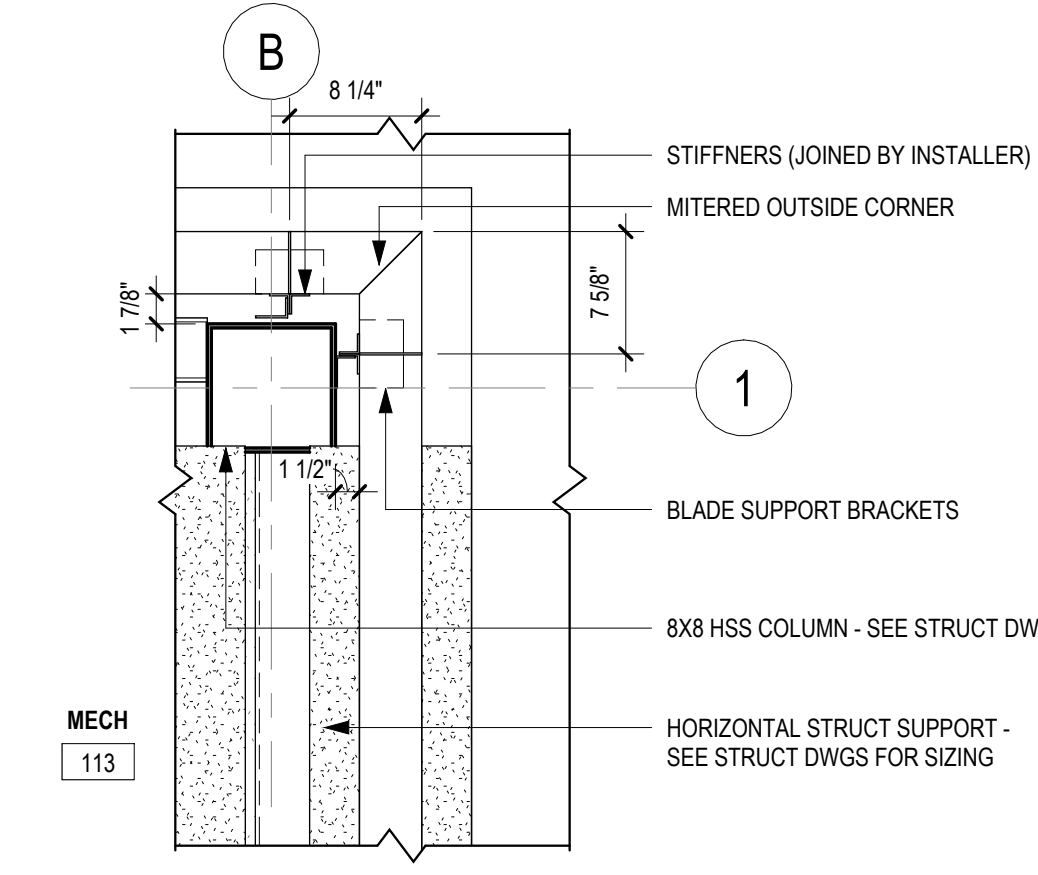
C3 PLAN DETAIL @ MECH ROOM CORNER  
1" = 1'-0"



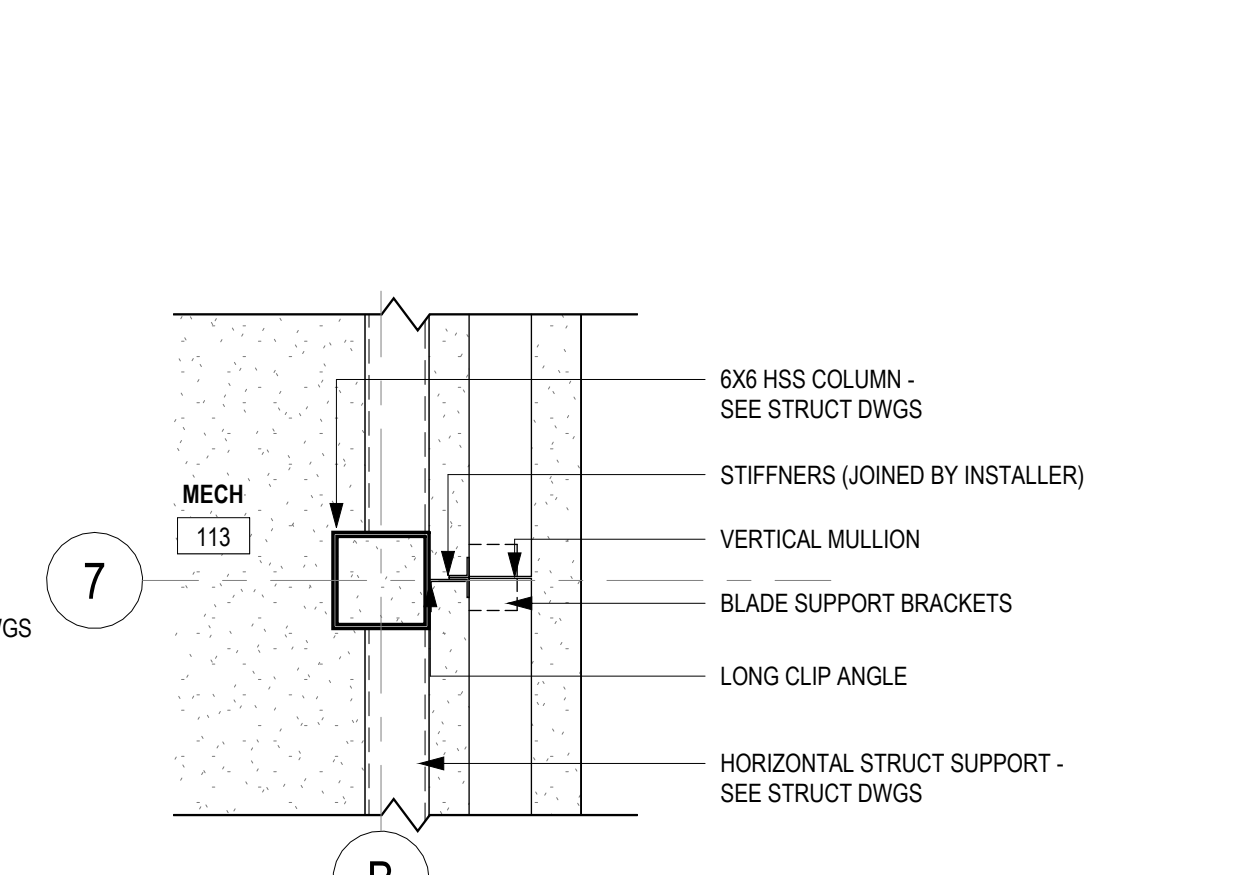
C6 JAMB DETAIL @ STOREFRONT CORNER  
1" = 1'-0"



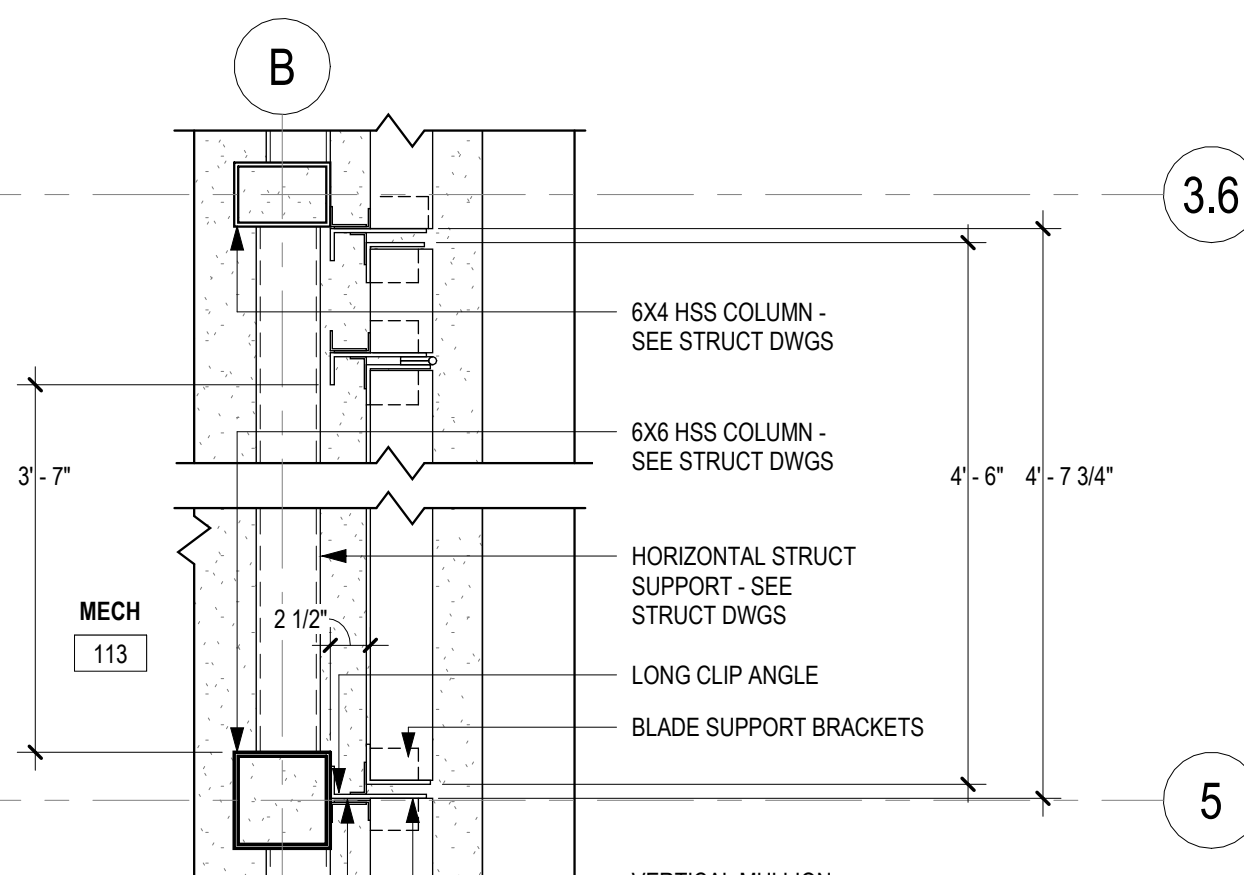
C1 PLAN DETAIL @ GYM COLUMN  
1" = 1'-0"



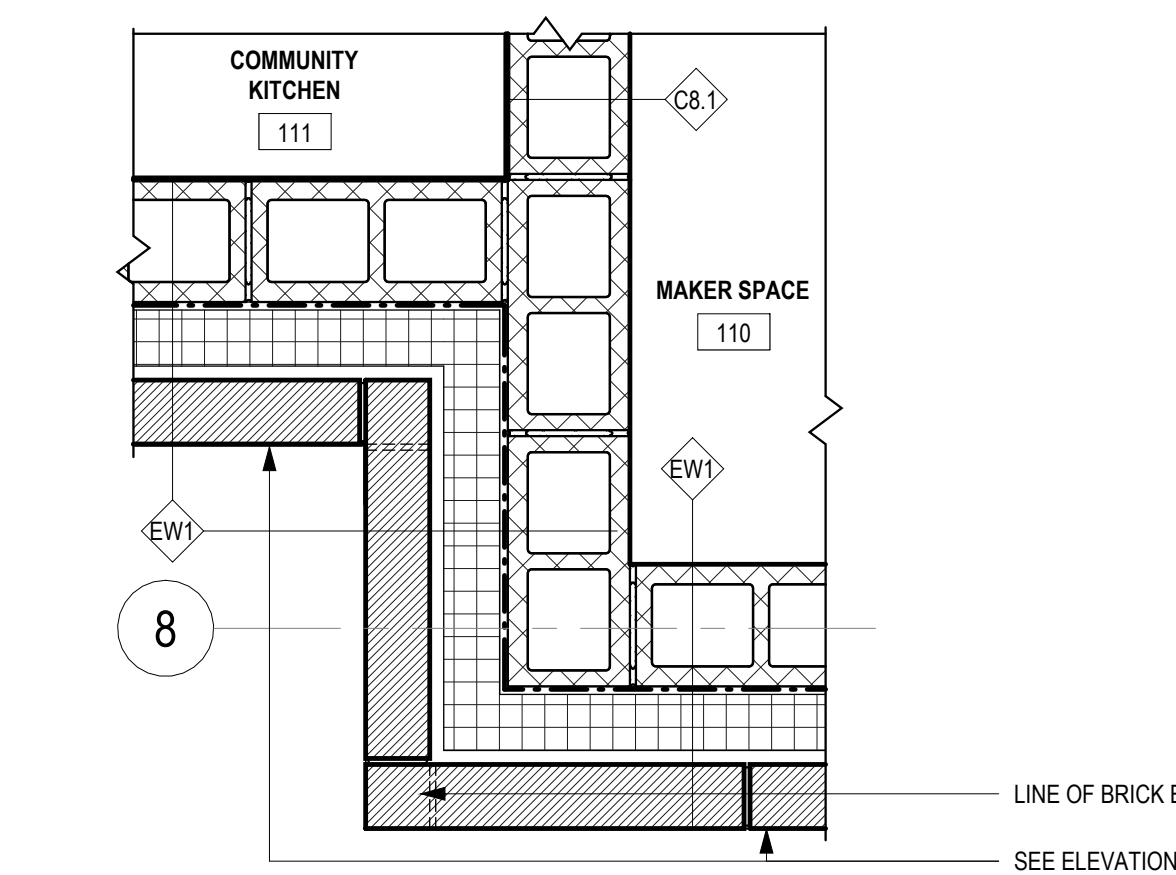
E1 PLAN DETAIL @ LOUVER CORNER  
1" = 1'-0"



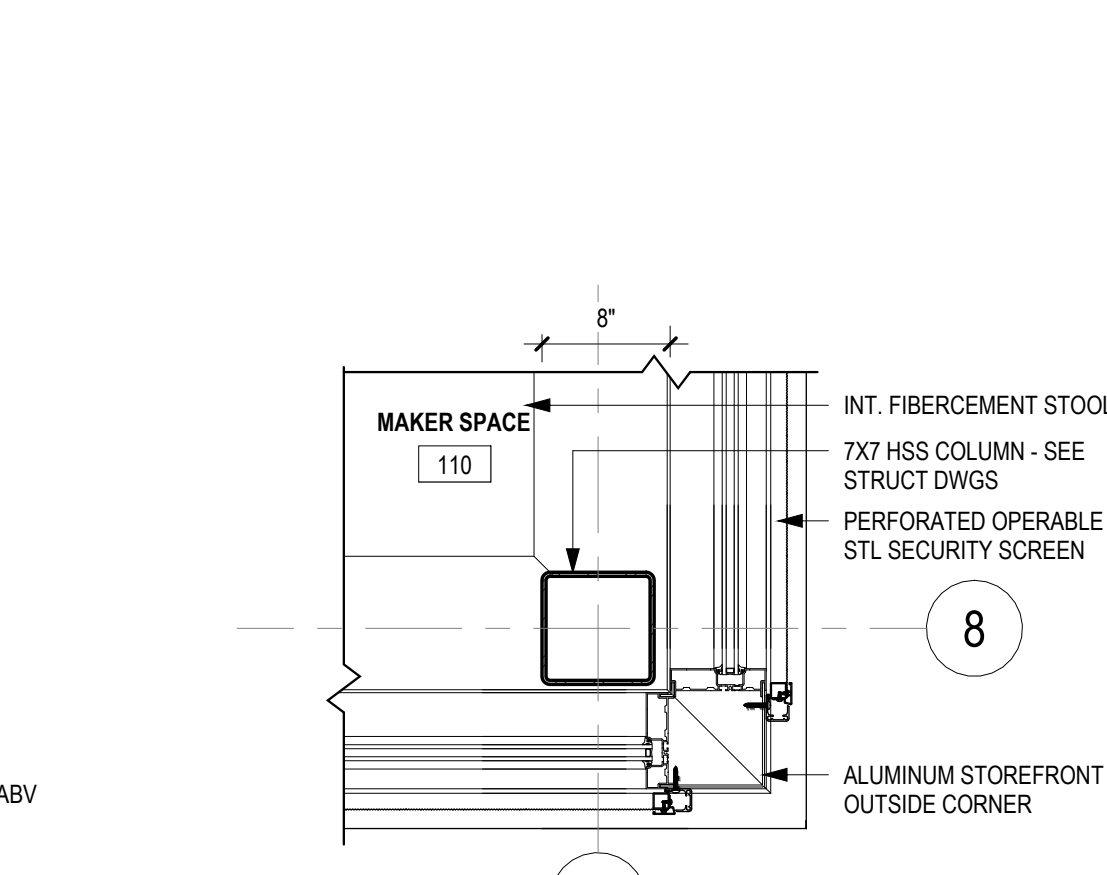
E2 TYPICAL SUPPORT DETAIL AT LOUVER SCREENING  
1" = 1'-0"



E3 PLAN DETAIL @ LOUVER DOOR  
1" = 1'-0"



E4 DETAIL @ KITCHEN AND MAKER SPACE CORNER  
1" = 1'-0"



E6 DETAIL @ STOREFRONT CORNER  
1" = 1'-0"

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0 1  
VERIFICATION SCALE  
BAR IS ONE (1) INCH LONG  
ON ORIGINAL DRAWING

No.	Date	By	Description

Date: 02/05/2024  
Scale: 1" = 1'-0"  
Job No.: 604.2  
Drawn: NB,KN Appd.: cs

Sheet Title:

ENLARGED PLAN DETAILS

Sheet No.

**A610**

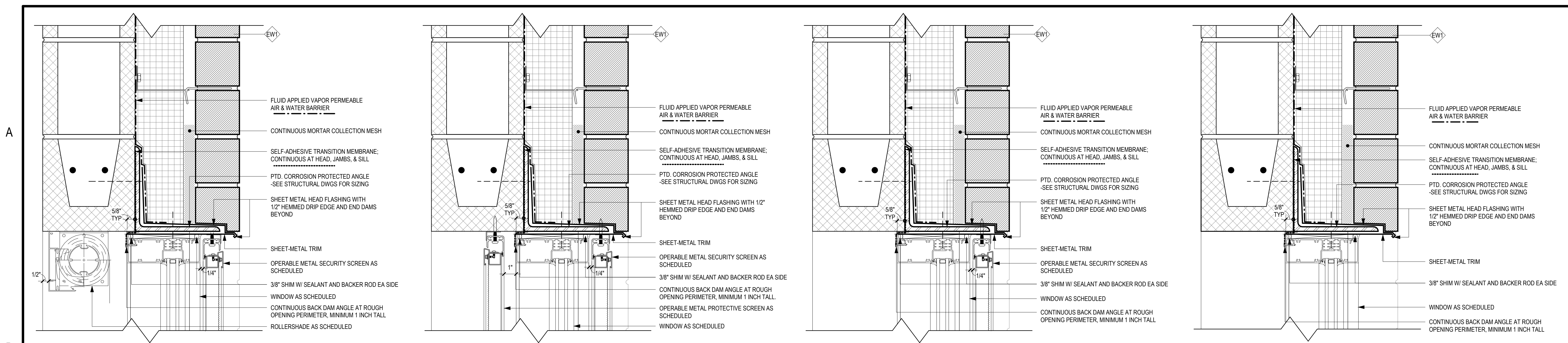
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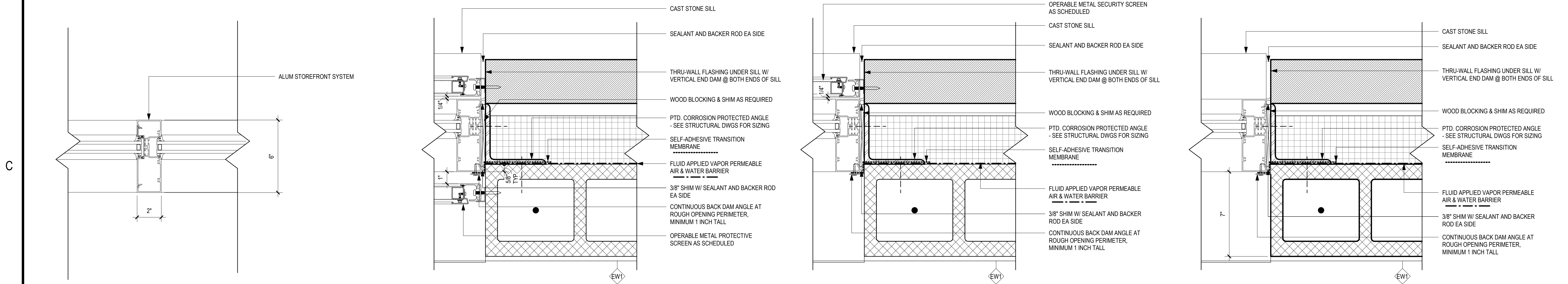


**A1** TYPICAL WINDOW - HEAD DETAIL W/ SECURITY SCREEN & ROLLER SHADE  
3" = 1'-0"

**A2** TYPICAL WINDOW - HEAD DETAIL @ GYM  
3" = 1'-0"

**A4** TYPICAL WINDOW - HEAD DETAIL W/ SECURITY SCREEN  
3" = 1'-0"

**A5** TYPICAL WINDOW - HEAD DETAIL  
3" = 1'-0"

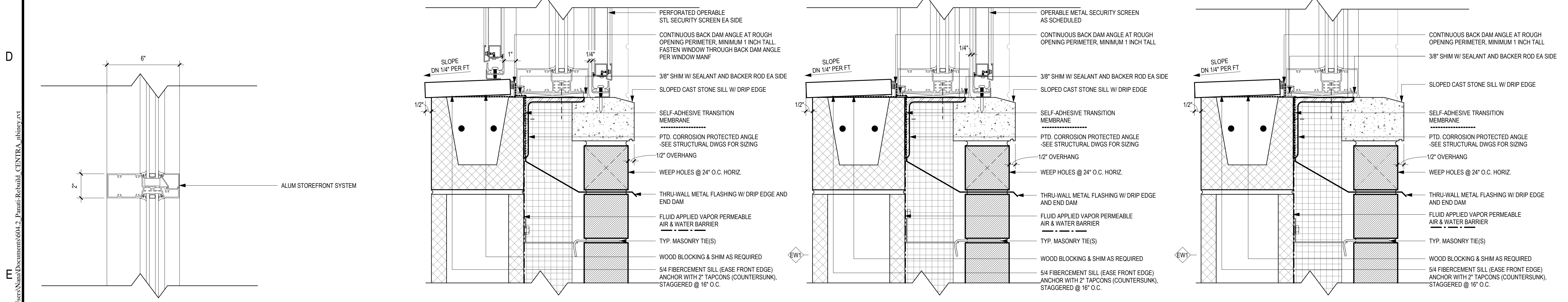


**C1** TYPICAL WINDOW - VERTICAL MULLION  
3" = 1'-0"

**C2** TYPICAL WINDOW - JAMB DETAIL @ GYM  
3" = 1'-0"

**C4** TYPICAL WINDOW - JAMB DETAIL W/ SECURITY SCREEN  
3" = 1'-0"

**C5** TYPICAL WINDOW - JAMB DETAIL  
3" = 1'-0"



**E1** TYPICAL WINDOW - HORIZONTAL MULLION  
3" = 1'-0"

**E2** TYPICAL WINDOW - SILL DETAIL @ GYM  
3" = 1'-0"

**E4** TYPICAL WINDOW - SILL DETAIL W/ SECURITY SCREEN  
3" = 1'-0"

**E5** TYPICAL WINDOW - SILL DETAIL  
3" = 1'-0"

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0 1  
VERIFIED SCALE  
BAR IS ONE (1) INCH LONG  
ON ORIGINAL DRAWING

No.	Date	By	Description

Date: 02/05/2024  
Scale: 3" = 1'-0"  
Job No.: 604.2  
Drawn: Author    Appd.: Approver

Sheet Title:  
**WINDOW DETAILS**

Sheet No.  
**A621**

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1

2

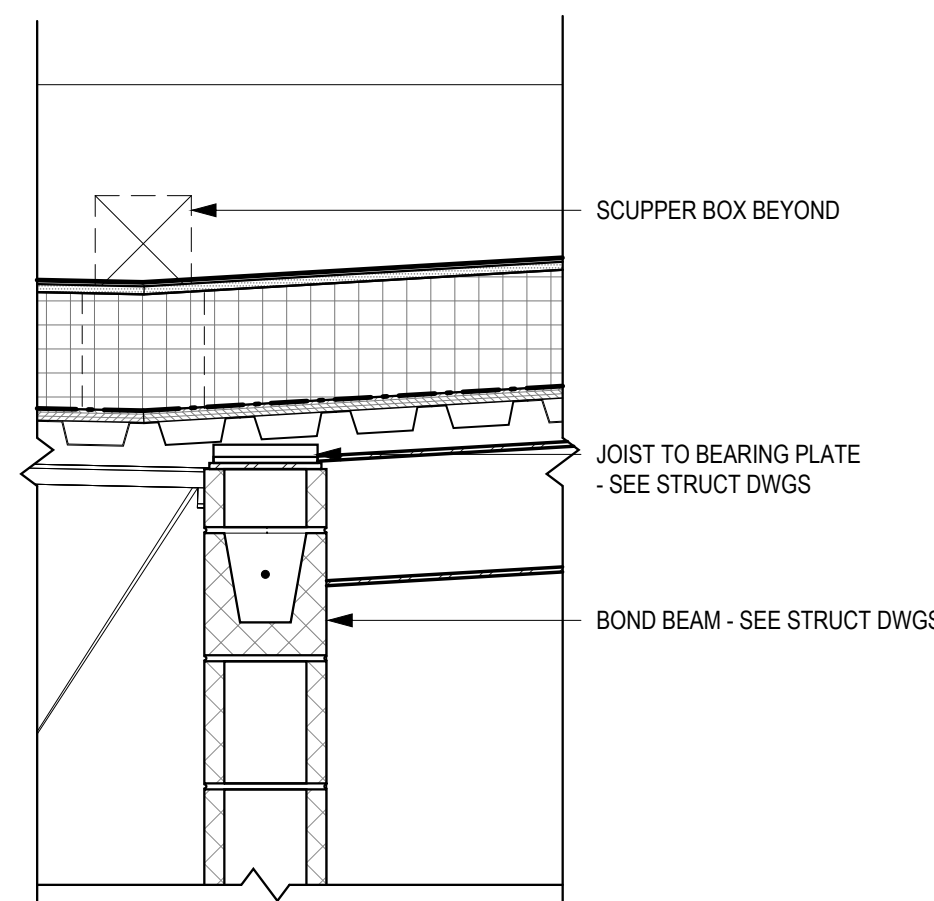
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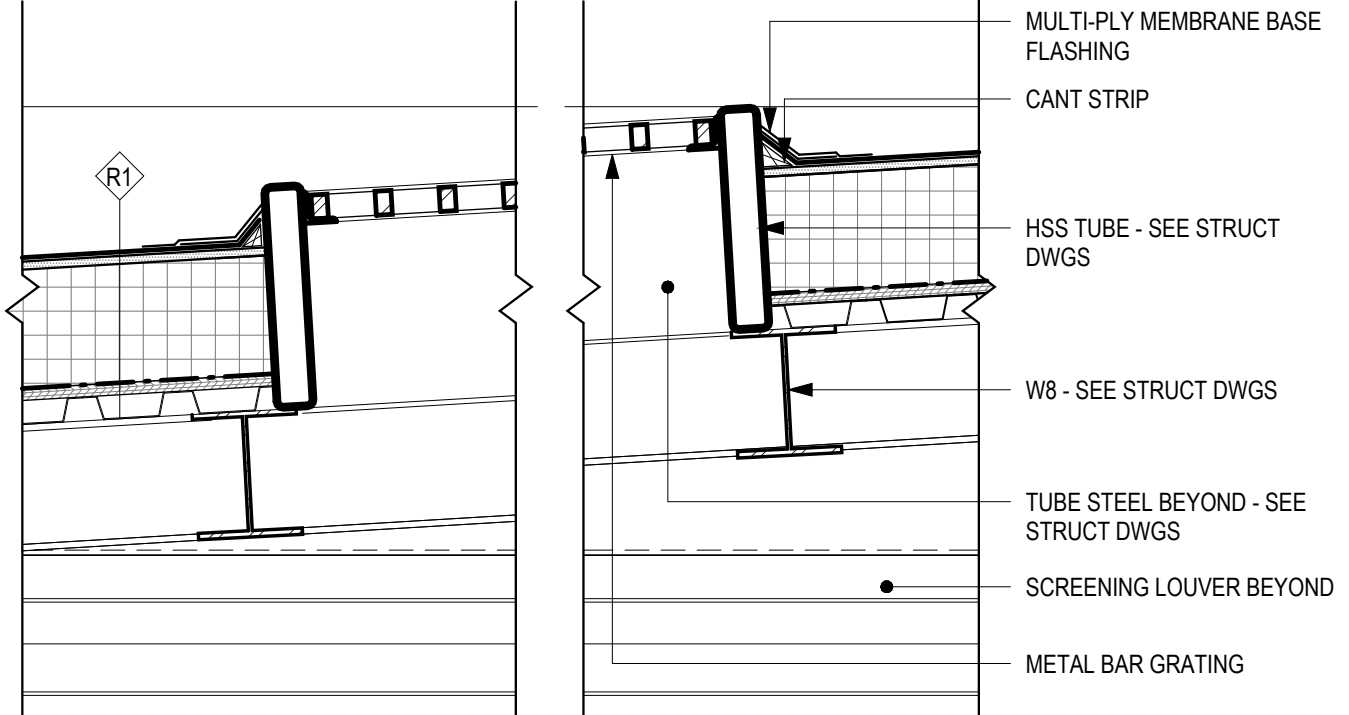
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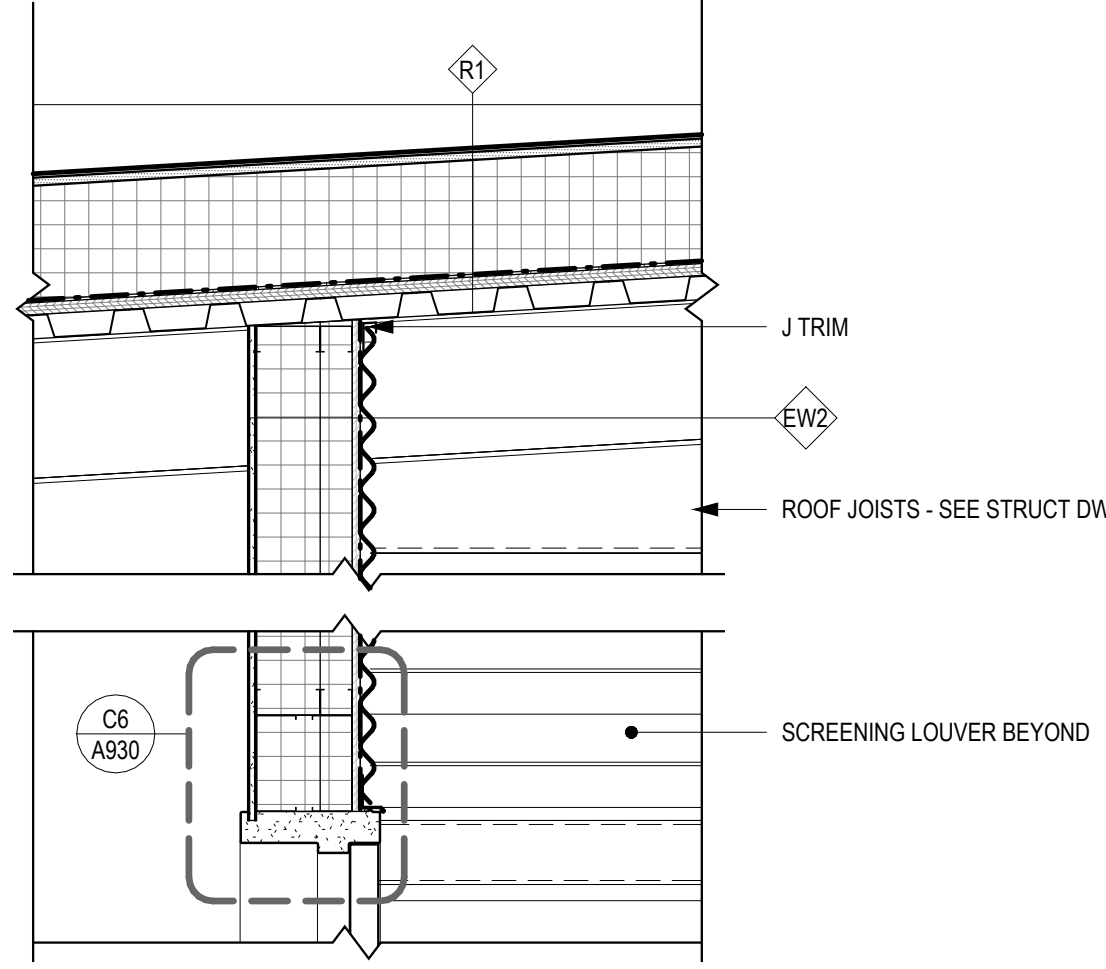
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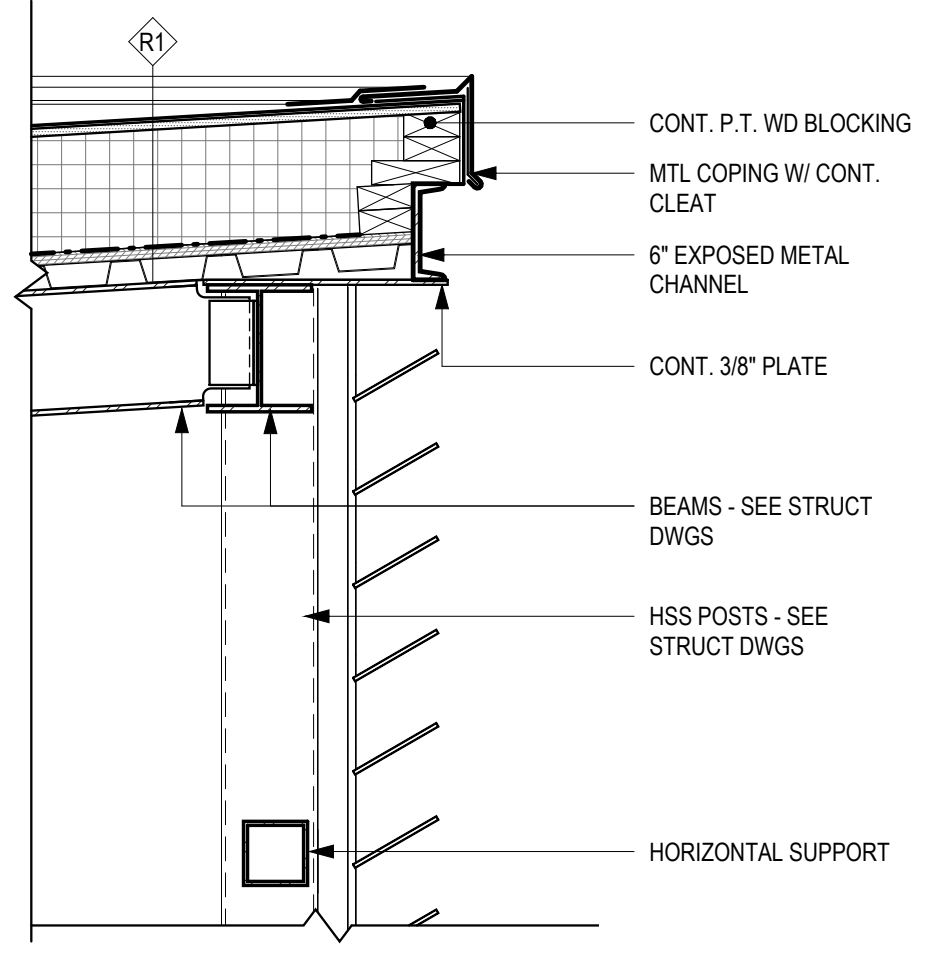
A1 DETAIL @ GYM CRICKET  
1" = 1'-0"



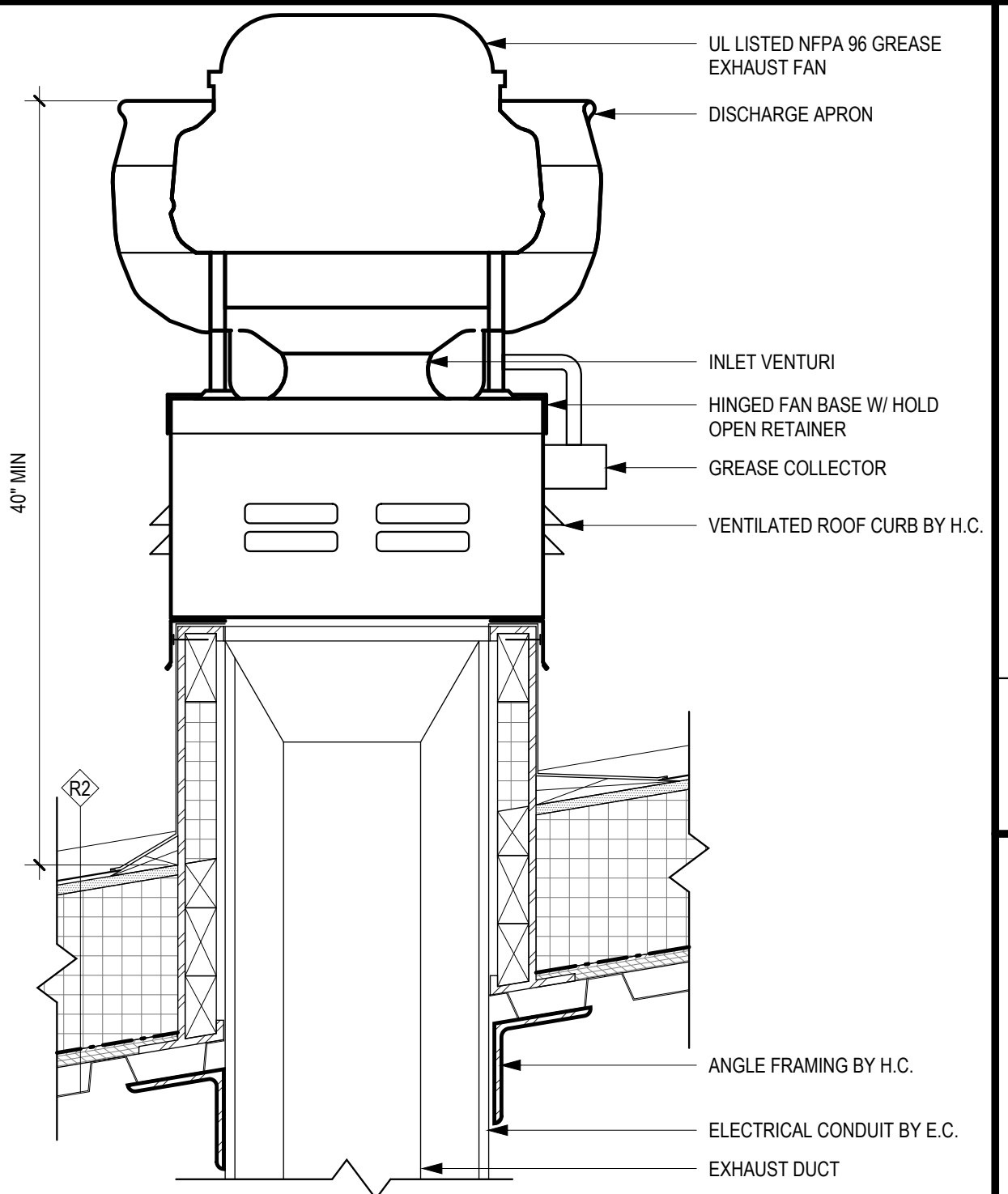
A2 DETAIL @ ROOF MECH VENT  
1" = 1'-0"



A3 DETAIL @ ROOF MECH WALL INTERSECTION  
1" = 1'-0"

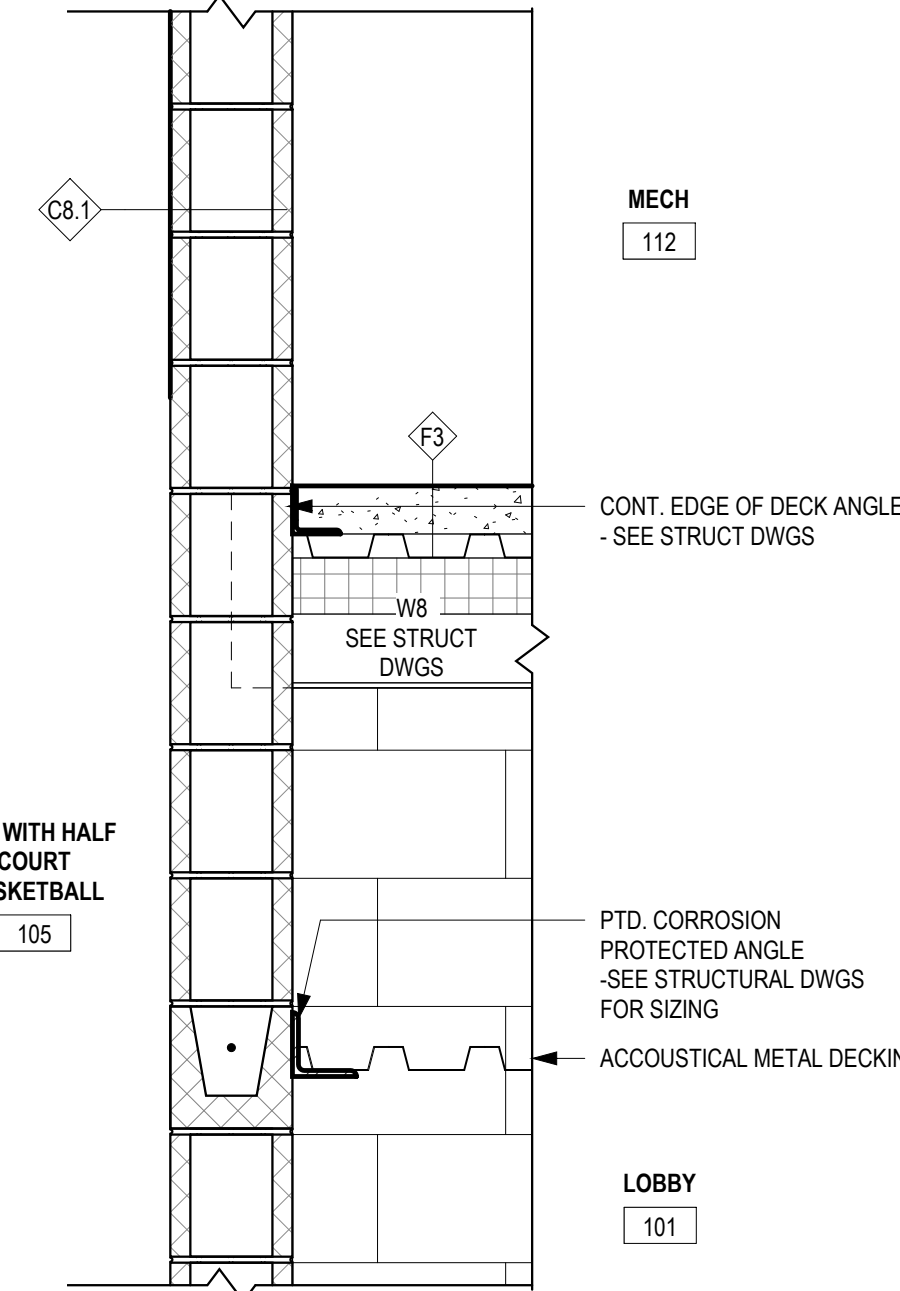


A4 DETAIL @ MECHANICAL LOUVER  
1" = 1'-0"

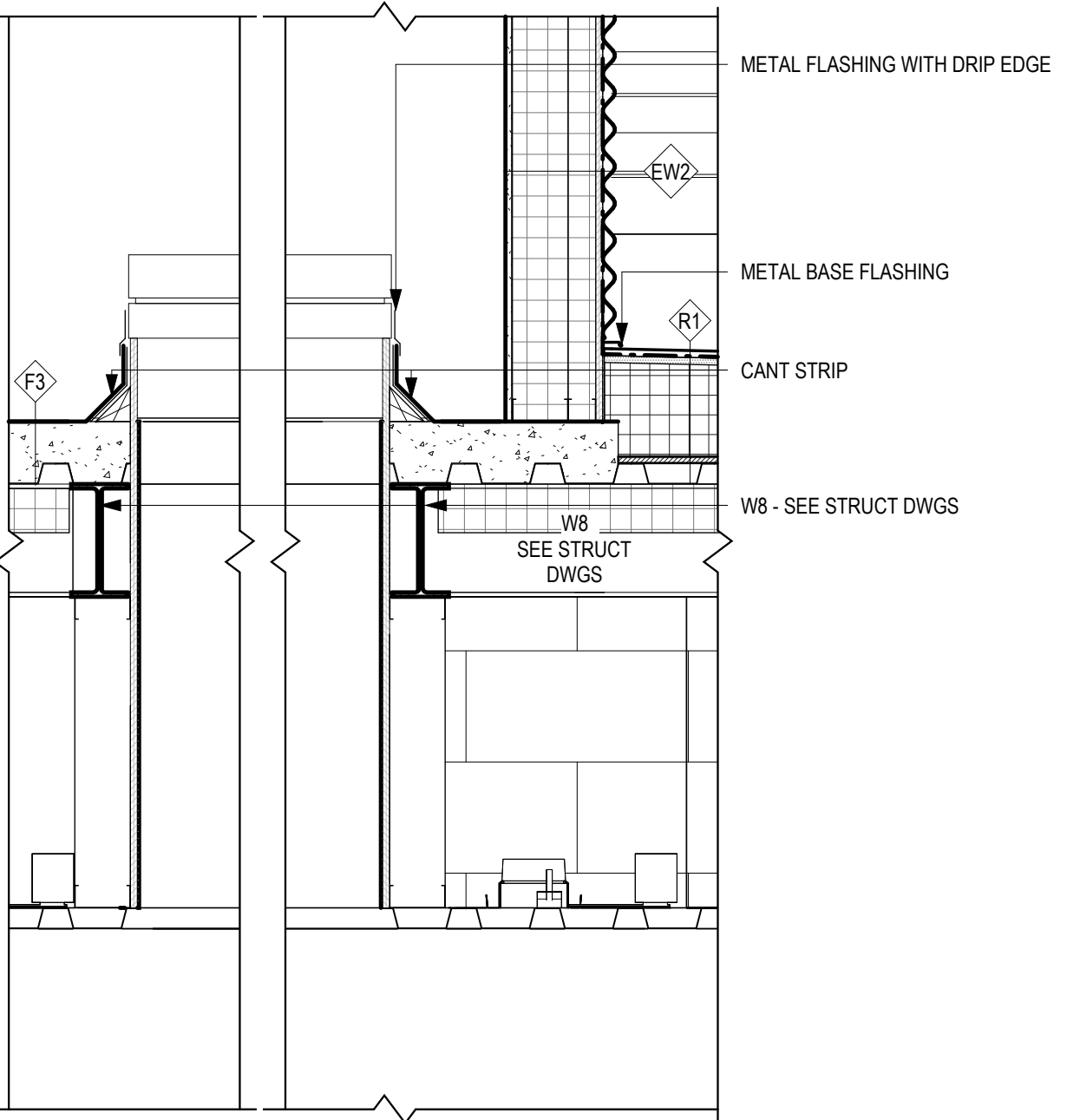


B5 KITCHEN HOOD EXHAUST FAN DETAIL  
1 1/2" = 1'-0"

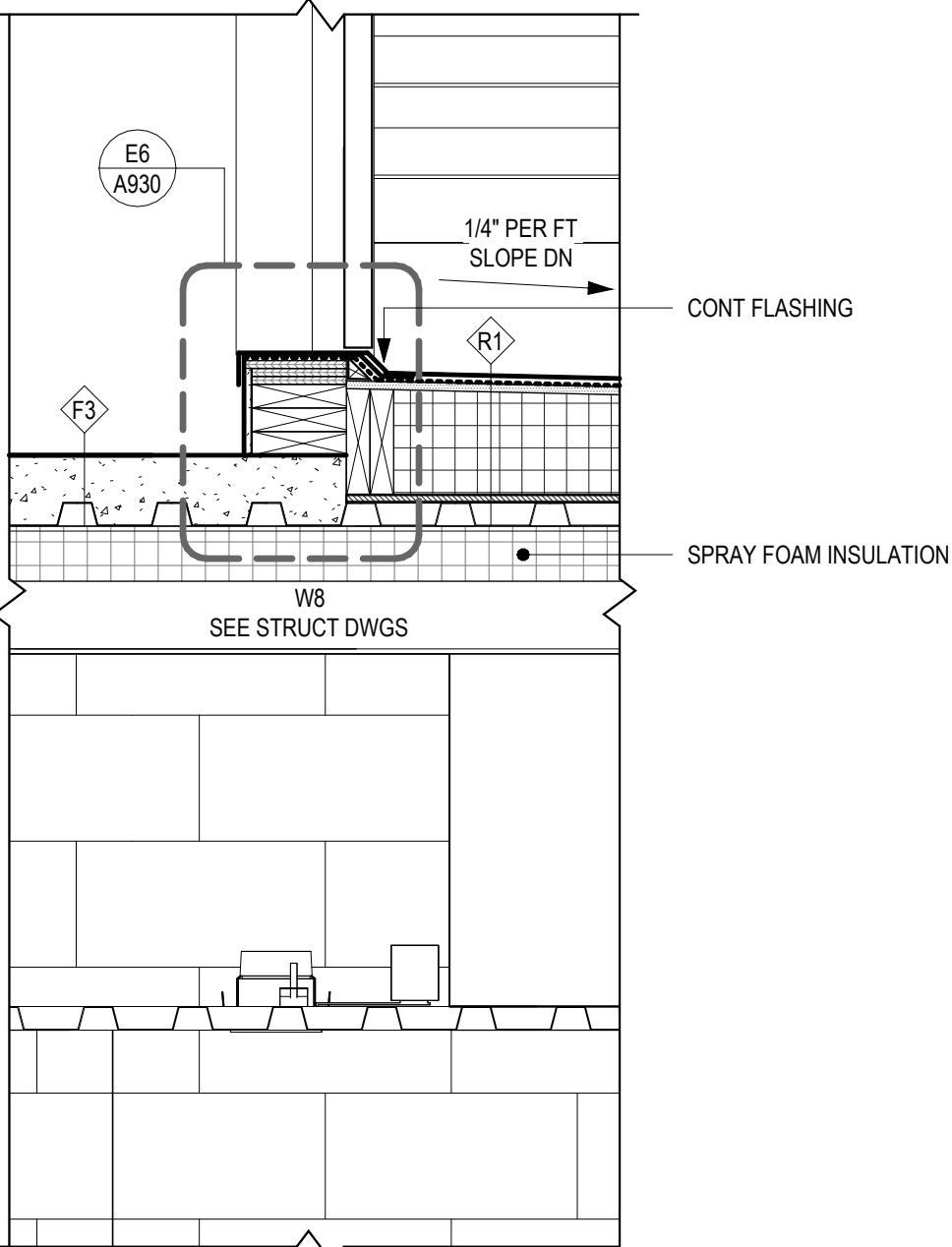
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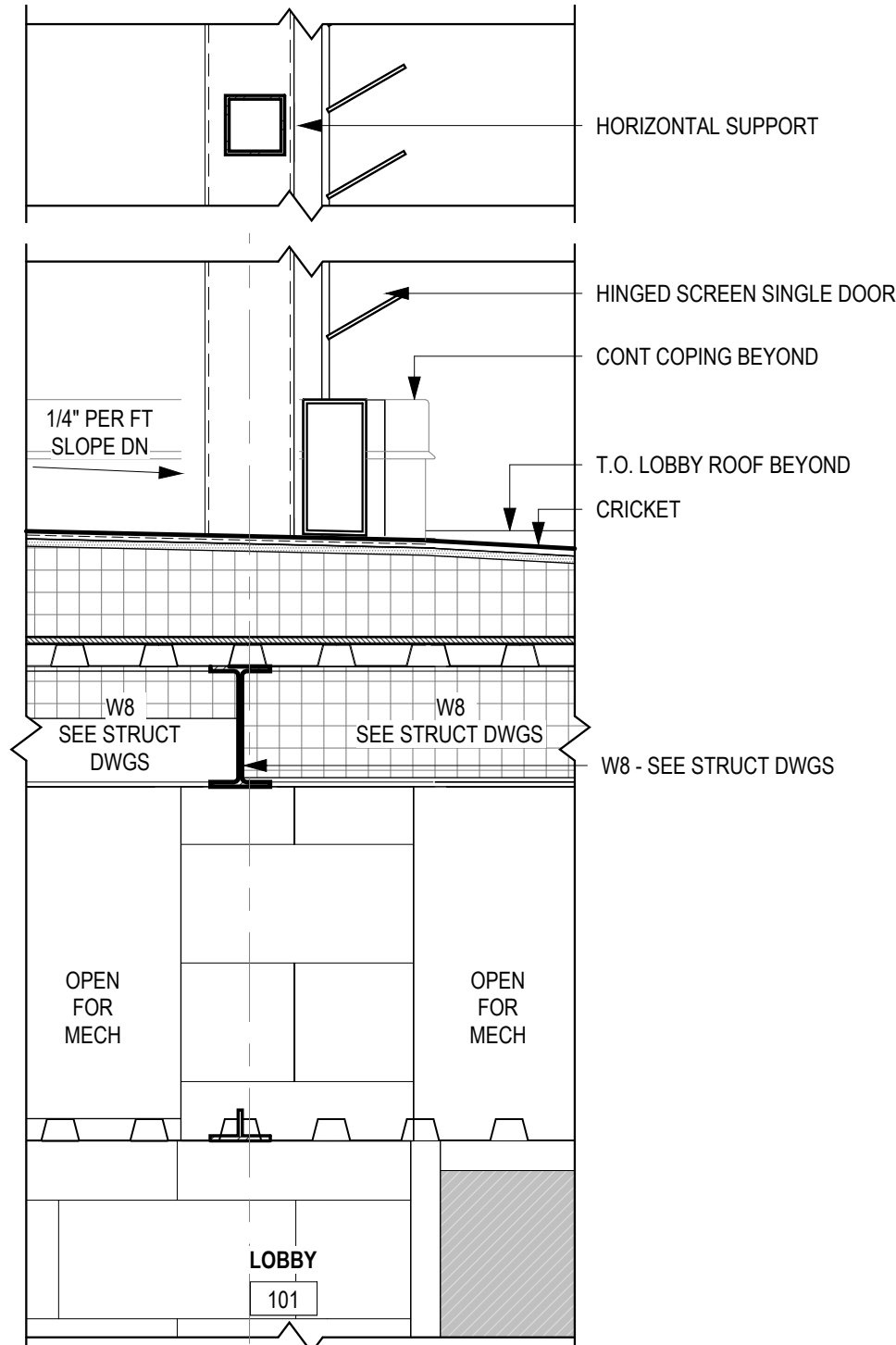
C1 DETAIL @ MECH RM 112  
1" = 1'-0"



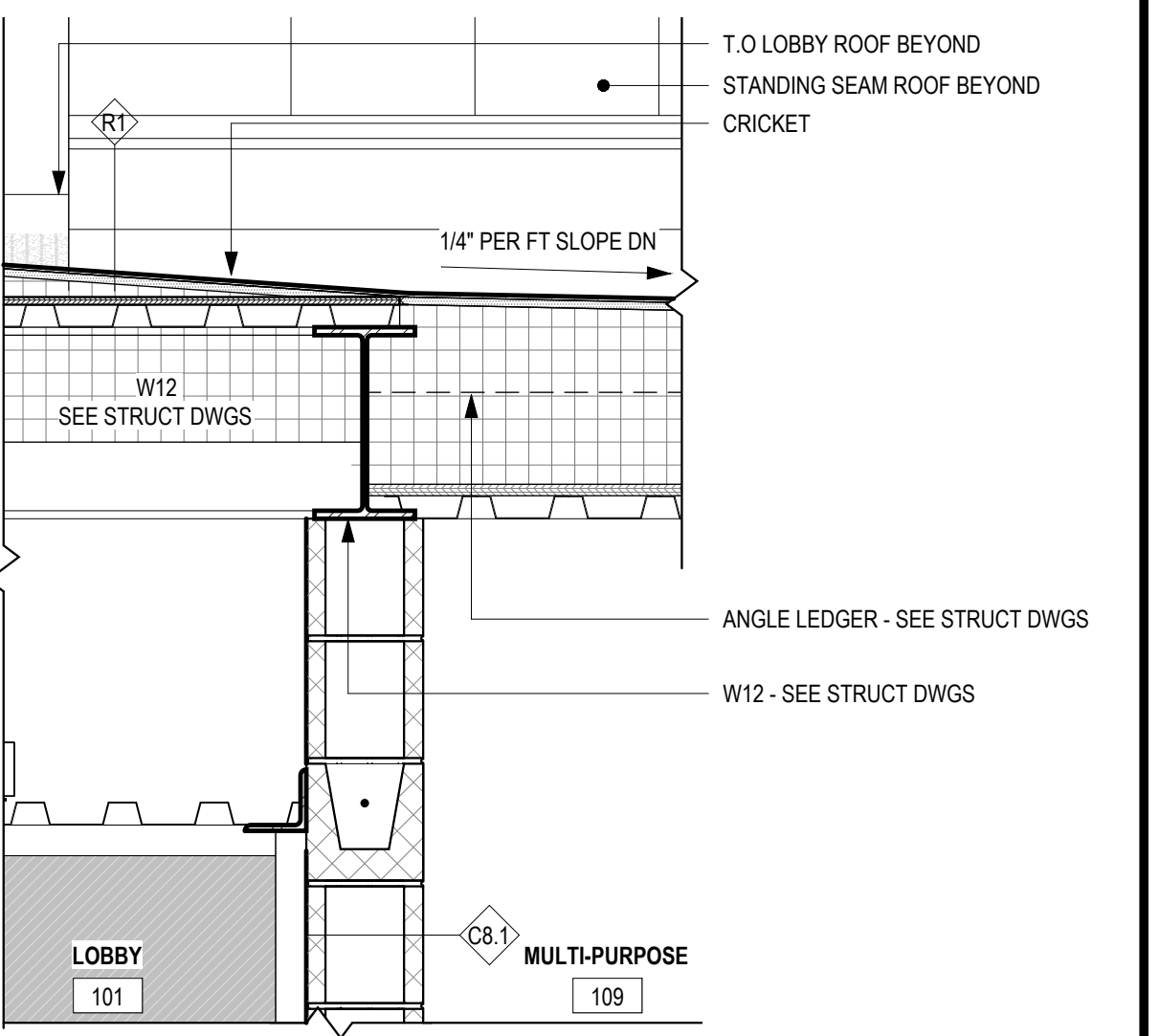
C2 DETAIL @ INSULATED ACCESS HATCH  
1" = 1'-0"



C3 TRANSITION DETAIL @ MECH 112 AND 113  
1" = 1'-0"

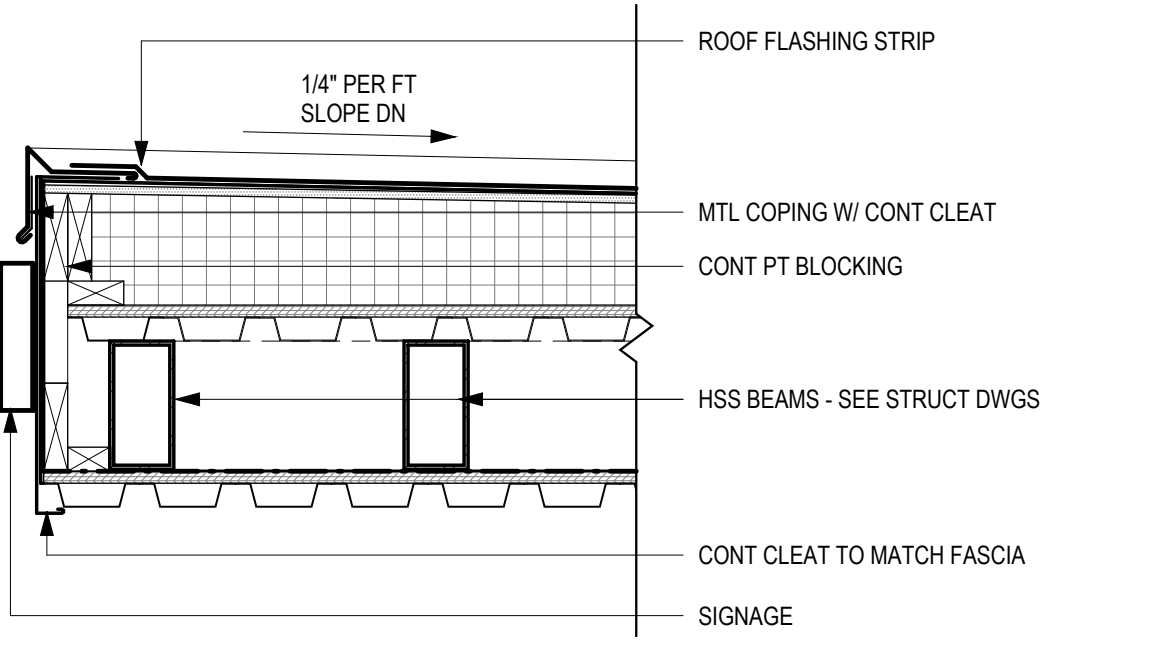


C4 TRANSITION DETAIL @ MECH AND LOBBY  
1" = 1'-0"

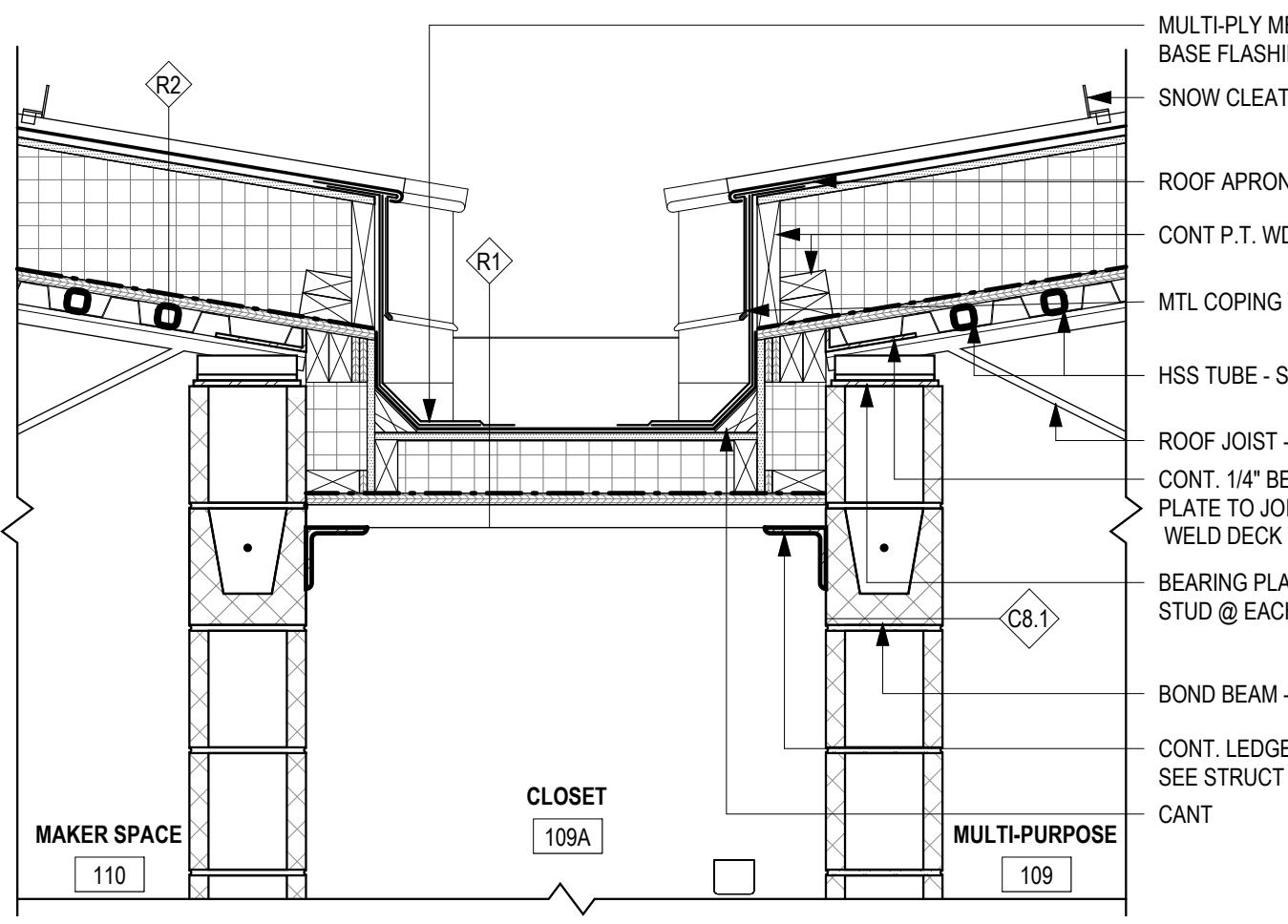


C5 TRANSITION DETAIL @ LOBBY  
1" = 1'-0"

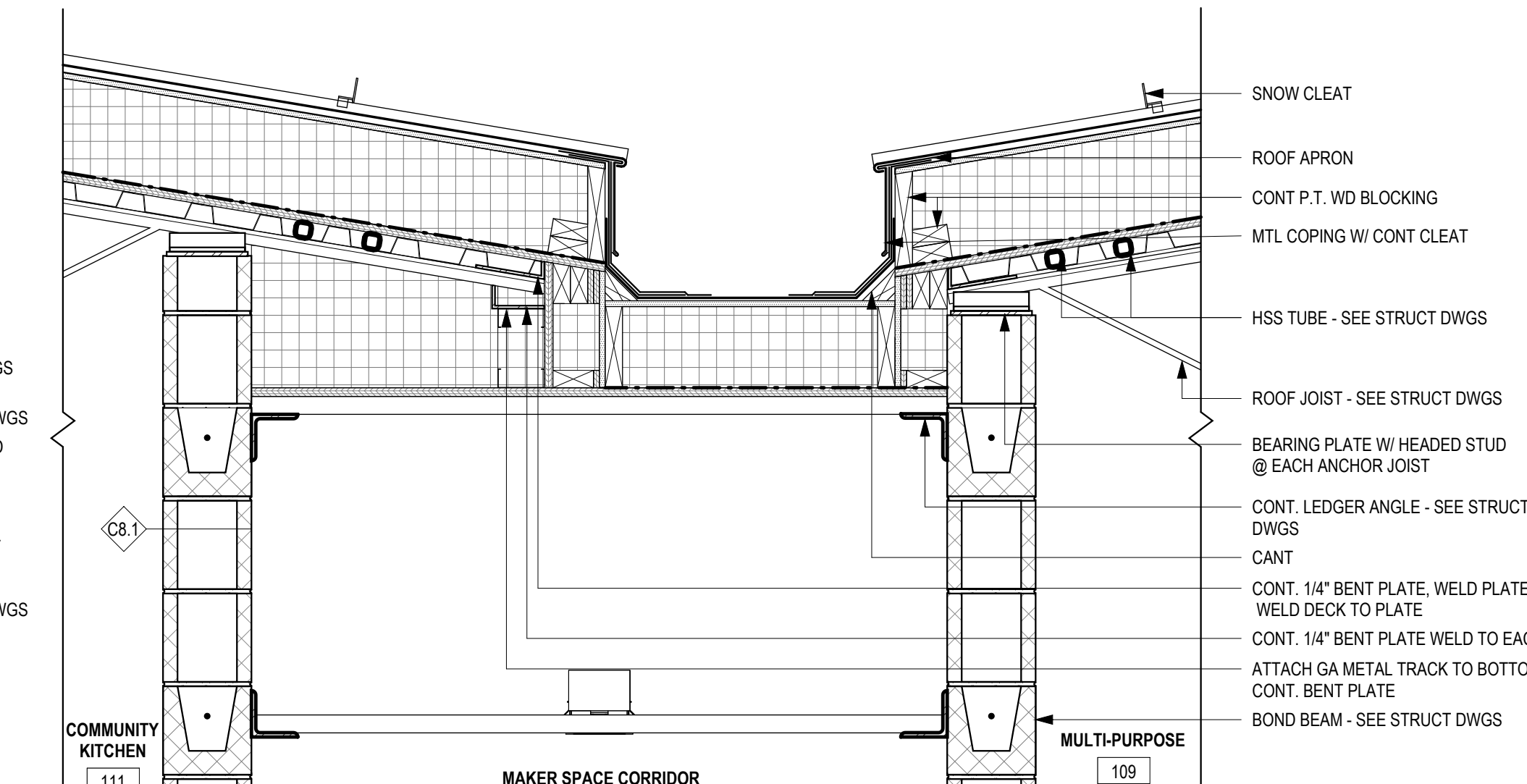
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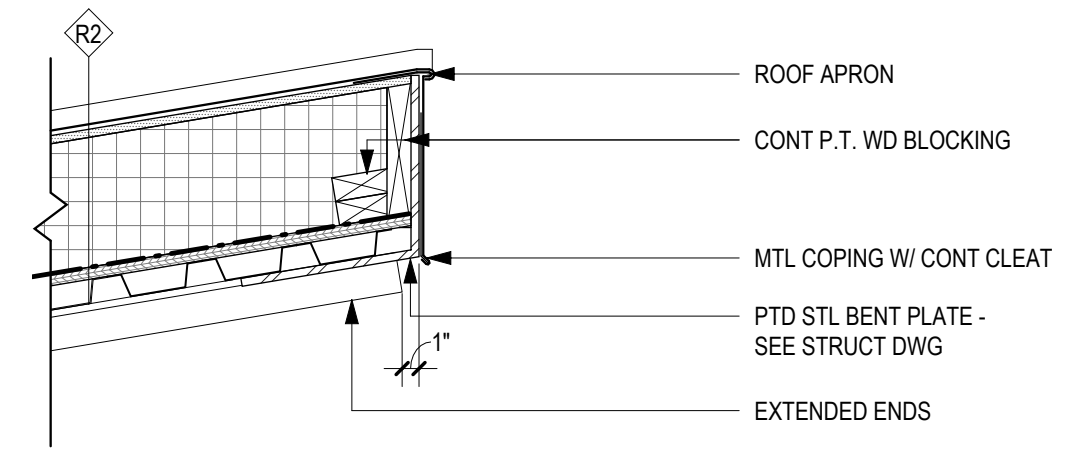
E1 DETAIL @ EDGE OF ENTRANCE  
1" = 1'-0"



E2 DETAIL @ BUTTERFLY ROOF VALLEY 2  
1" = 1'-0"



E3 DETAIL @ BUTTERFLY ROOF VALLEY  
1" = 1'-0"



D5 DETAIL @ BUTTERFLY ROOF EDGE  
1" = 1'-0"

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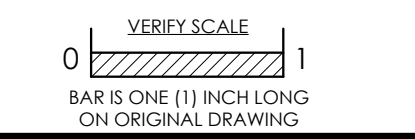
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Job No.: 604.2  
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Sheet Title:

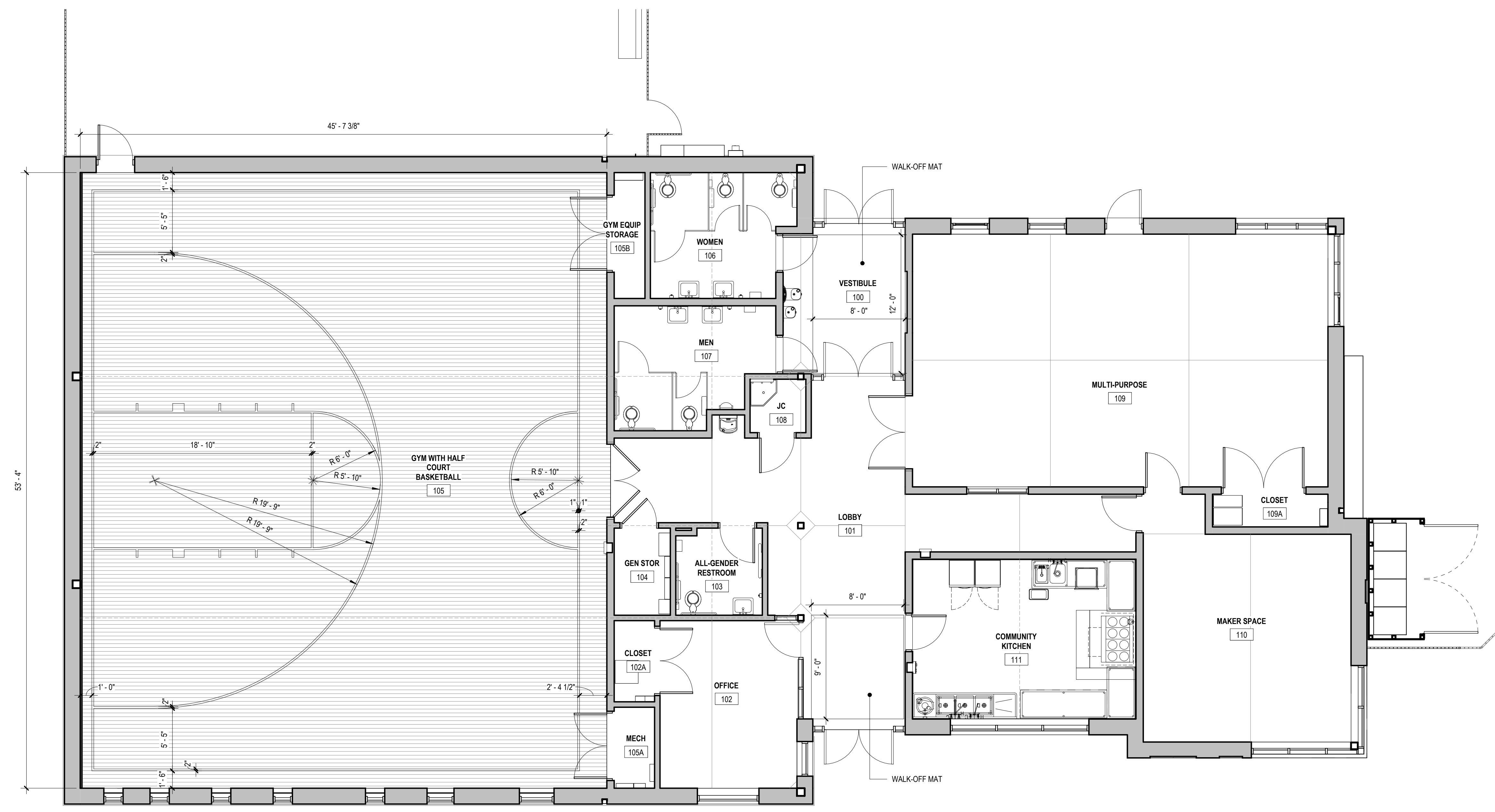
ROOF DETAILS

Sheet No.

**A630**

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D2 GROUND FLOOR FURNITURE PLAN  
3/16" = 1'-0"

ROOM FINISH SCHEDULE						
NUMBER	NAME	WALL FINISH	FLOOR FINISH	BASE FINISH	CEILING FINISH	COMMENTS
100	VESTIBULE	PTD MASONRY	POLISHED CONCRETE*	-	ACOUSTIC METAL DECK	*8'X12' LOOSE-LAY WALK-OFF MAT
101	LOBBY	GROUND FACE CMU	POLISHED CONCRETE*	-	ACOUSTIC METAL DECK	*8'X10' LOOSE-LAY WALK-OFF MAT. SEE PLAN AND SPECS.
102	OFFICE	PTD CMU	POLISHED CONCRETE	-	ACOUSTIC METAL DECK	
102A	CLOSET	PTD CMU	POLISHED CONCRETE	-	EXPOSED	
103	ALL-GENDER RESTROOM	PTD CMU	POLISHED CONCRETE	-	ACOUSTIC METAL DECK	
104	GEN STOR	PTD CMU	POLISHED CONCRETE	-	EXPOSED	
105	GYM WITH HALF COURT BASKETBALL	PTD CMU/ACOUSTIC CMU*	RESILIENT WOOD FLOOR	VENTED COVE	ACOUSTIC METAL DECK	*SEE SECTIONS FOR EXTENT OF CMU AND ACOUSTIC CMU, GYM FLOOR PROTECTION SYSTEM
105A	MECH	PTD CMU	POLISHED CONCRETE	-	EXPOSED	
105B	GYM EQUIP STORAGE	PTD CMU	POLISHED CONCRETE	-	EXPOSED	STORAGE RACK
106	WOMEN	PTD CMU	EPOXY	EPOXY BASE	ACOUSTIC METAL DECK	
107	MEN	PTD CMU	EPOXY	EPOXY BASE	ACOUSTIC METAL DECK	
108	JC	PTD CMU	POLISHED CONCRETE	-	EXPOSED	
109	MULTI-PURPOSE	PTD CMU	POLISHED CONCRETE	-	ACOUSTIC METAL DECK	
109A	CLOSET	PTD CMU	POLISHED CONCRETE	-	EXPOSED	
110	MAKER SPACE	PTD CMU	POLISHED CONCRETE	-	ACOUSTIC METAL DECK	
111	COMMUNITY KITCHEN	PTD CMU	EPOXY	EPOXY BASE	ACOUSTIC METAL DECK	
112	MECH	PTD CMU*/LOUVERS	CONCRETE	-	EXPOSED	SEE PLAN FOR EXTENT OF CMU AND LOUVERS
113	MECH	PTD CMU*/LOUVERS	ROOFING	-	EXPOSED	SEE PLAN FOR EXTENT OF CMU AND LOUVERS

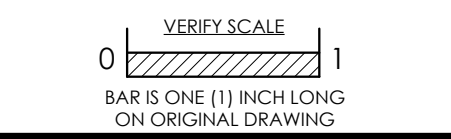
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No.	Date	By	Description

Date: 02/05/2024  
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 Job No.: 604.2  
 Drawn: NB, KN Appd.: cs

Sheet Title:  
**FINISH & FURNITURE PLAN**

Sheet No.:  
**A810**

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1

2

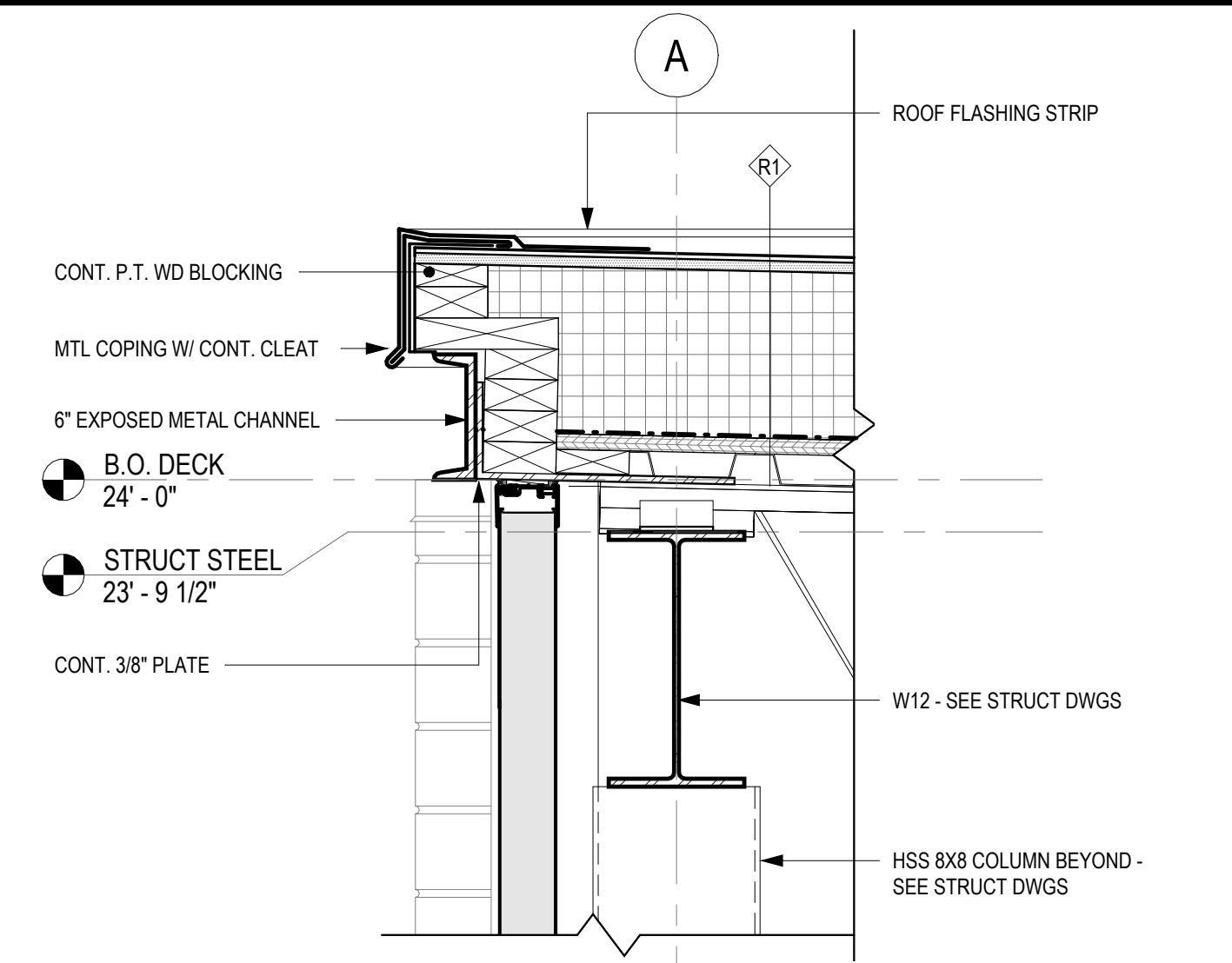
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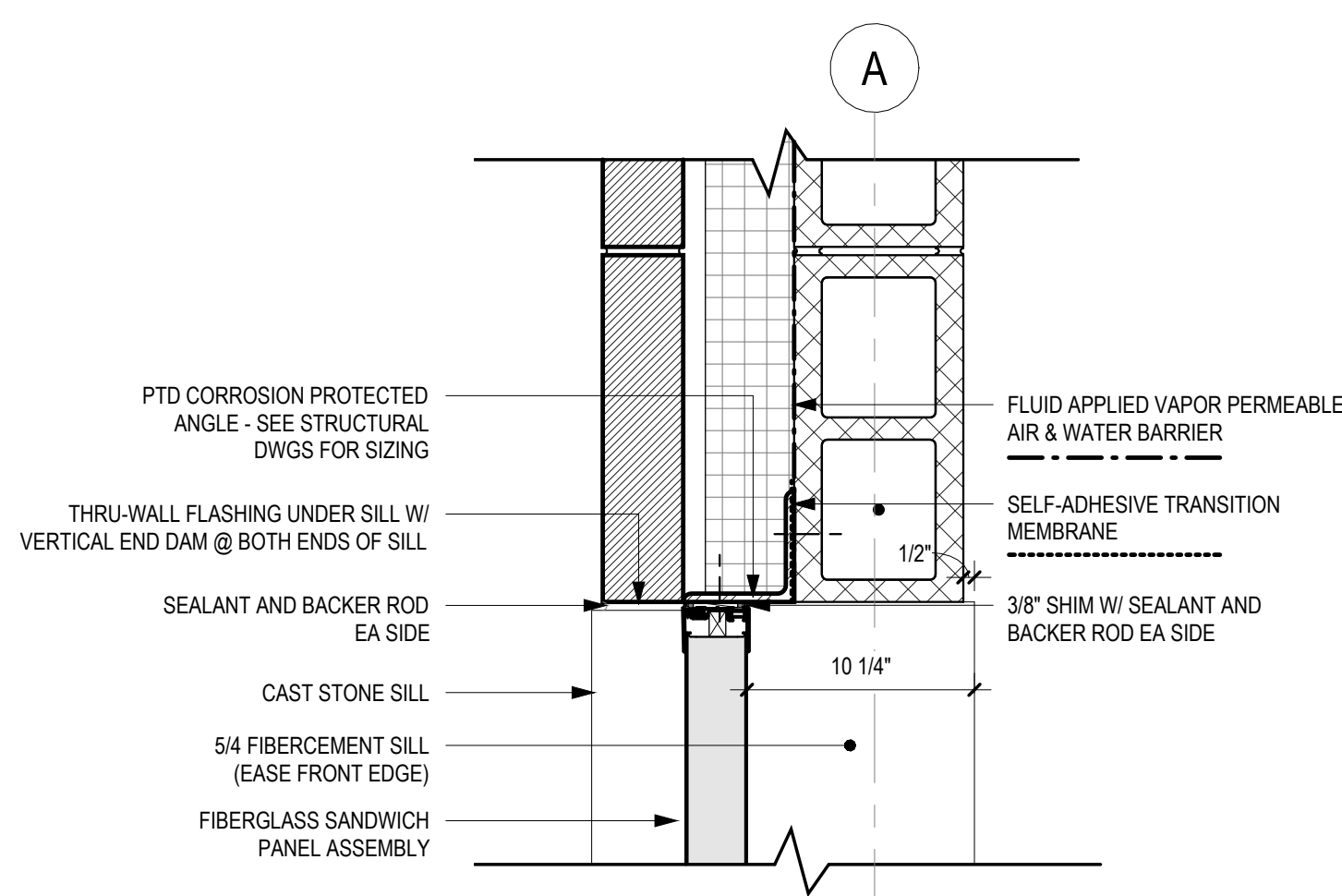
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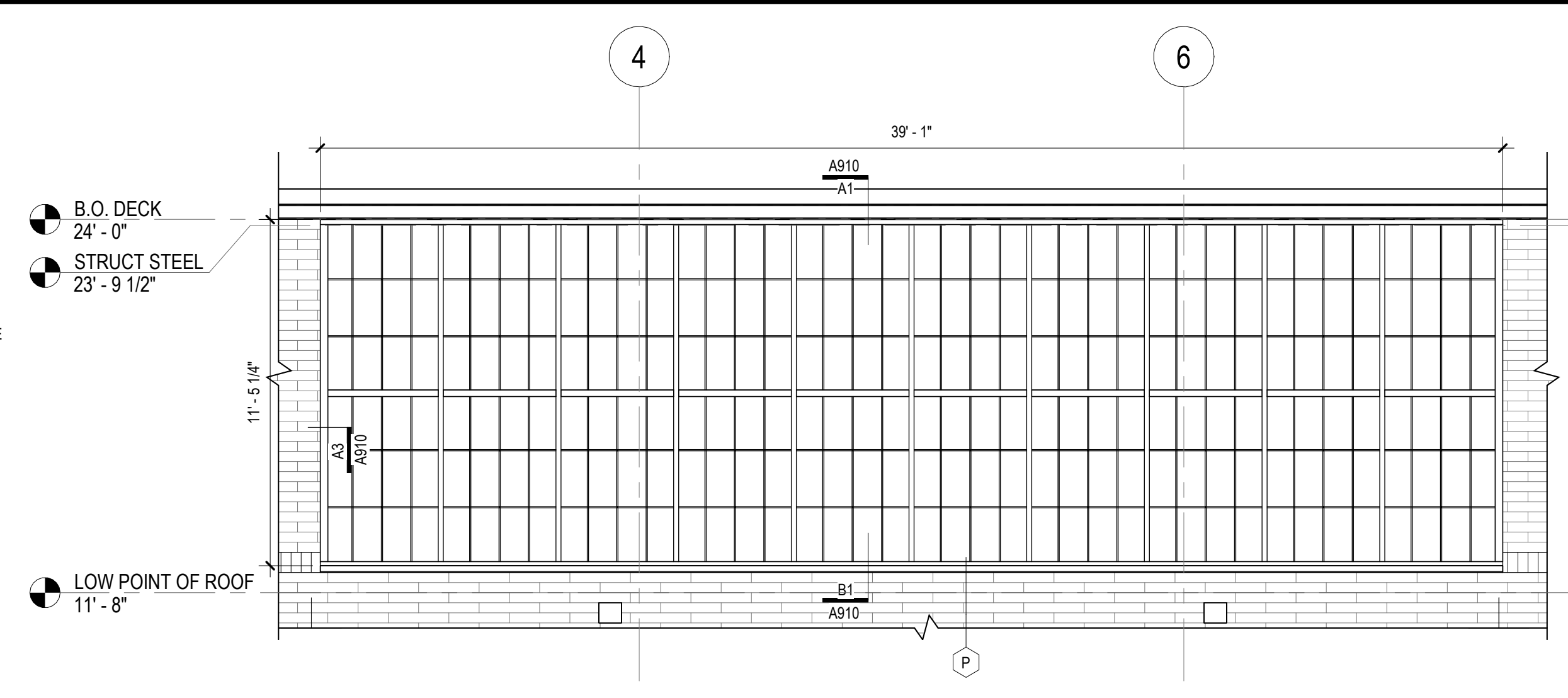
A



A1 HEAD DETAIL @ FIBERGLASS-SANDWICH-PANEL ASSEMBLY  
1 1/2" = 1'-0"

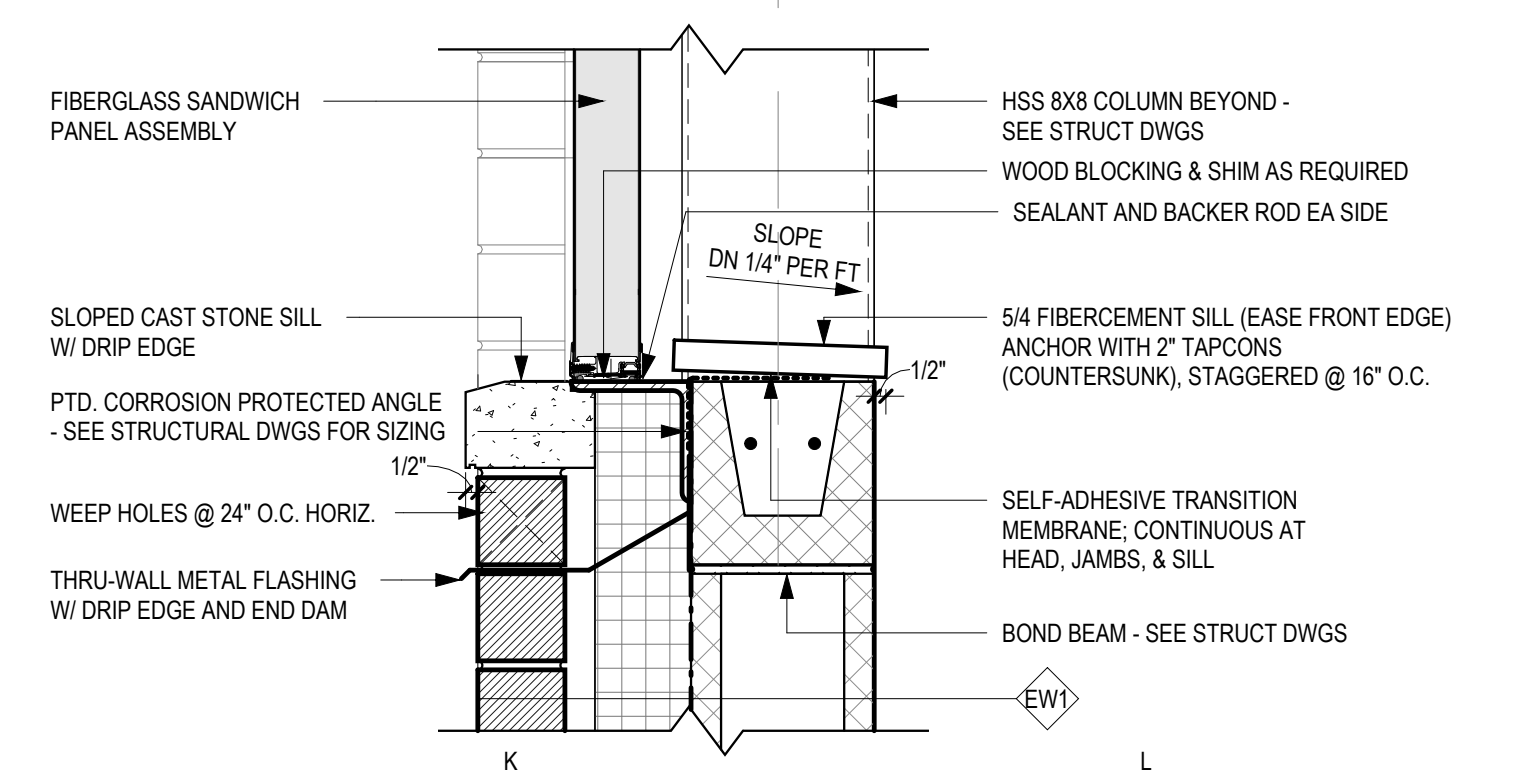


A3 JAMB DETAIL @ FIBERGLASS-SANDWICH-PANEL ASSEMBLY  
1 1/2" = 1'-0"

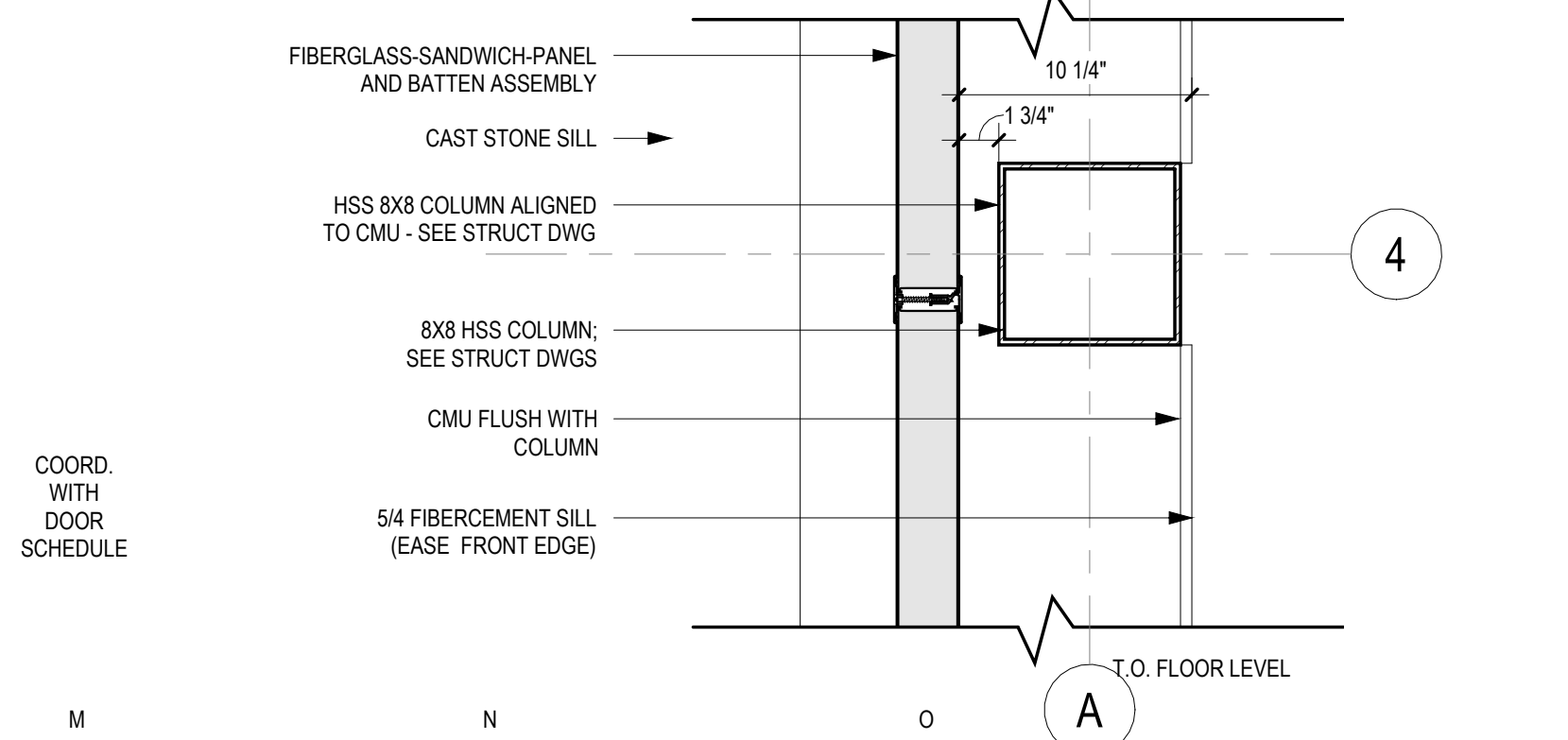


A4 FIBERGLASS-SANDWICH-PANEL - ELEVATION  
1/4" = 1'-0"

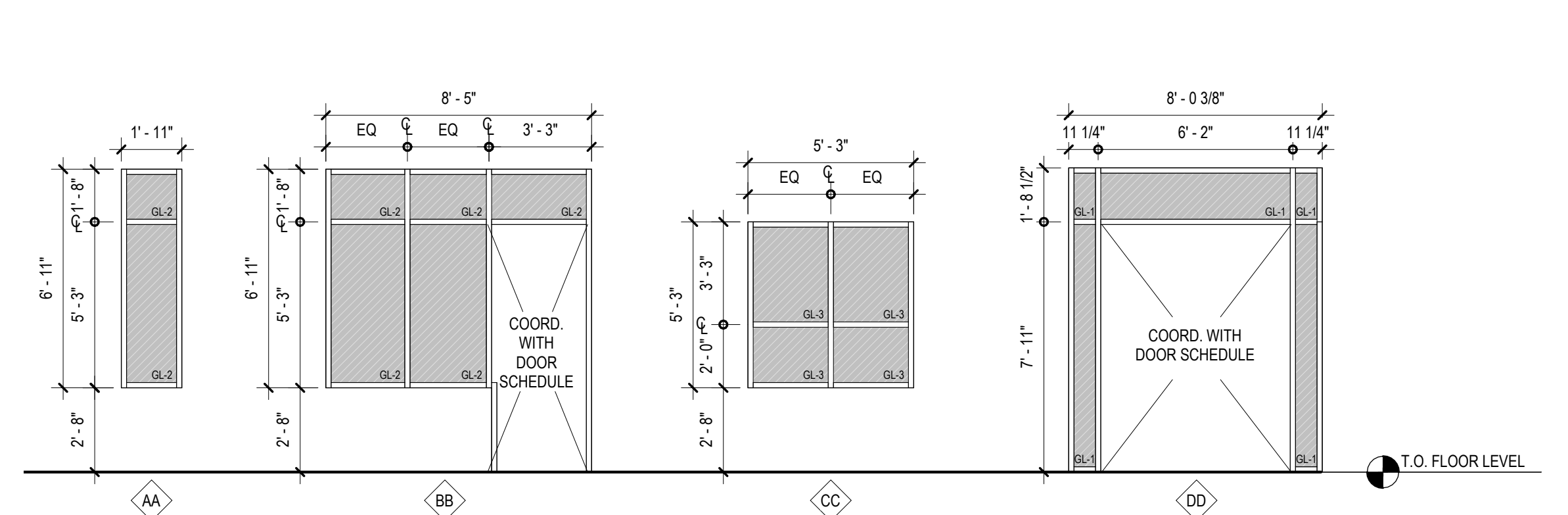
B



B1 SILL DETAIL @ FIBERGLASS-SANDWICH-PANEL ASSEMBLY  
1 1/2" = 1'-0"

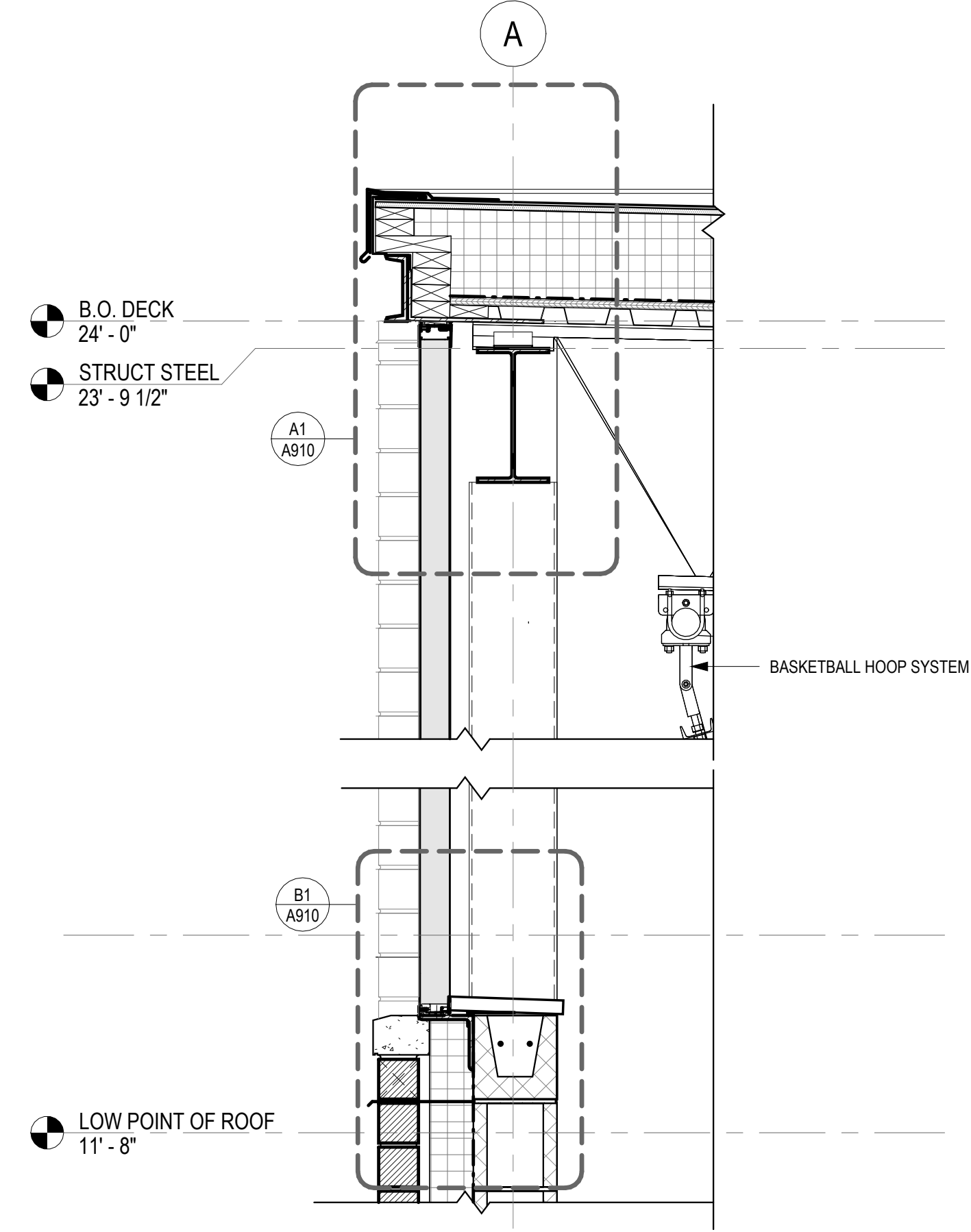


B3 COLUMN DETAIL @ FIBERGLASS-SANDWICH-PANEL ASSEMBLY  
1 1/2" = 1'-0"

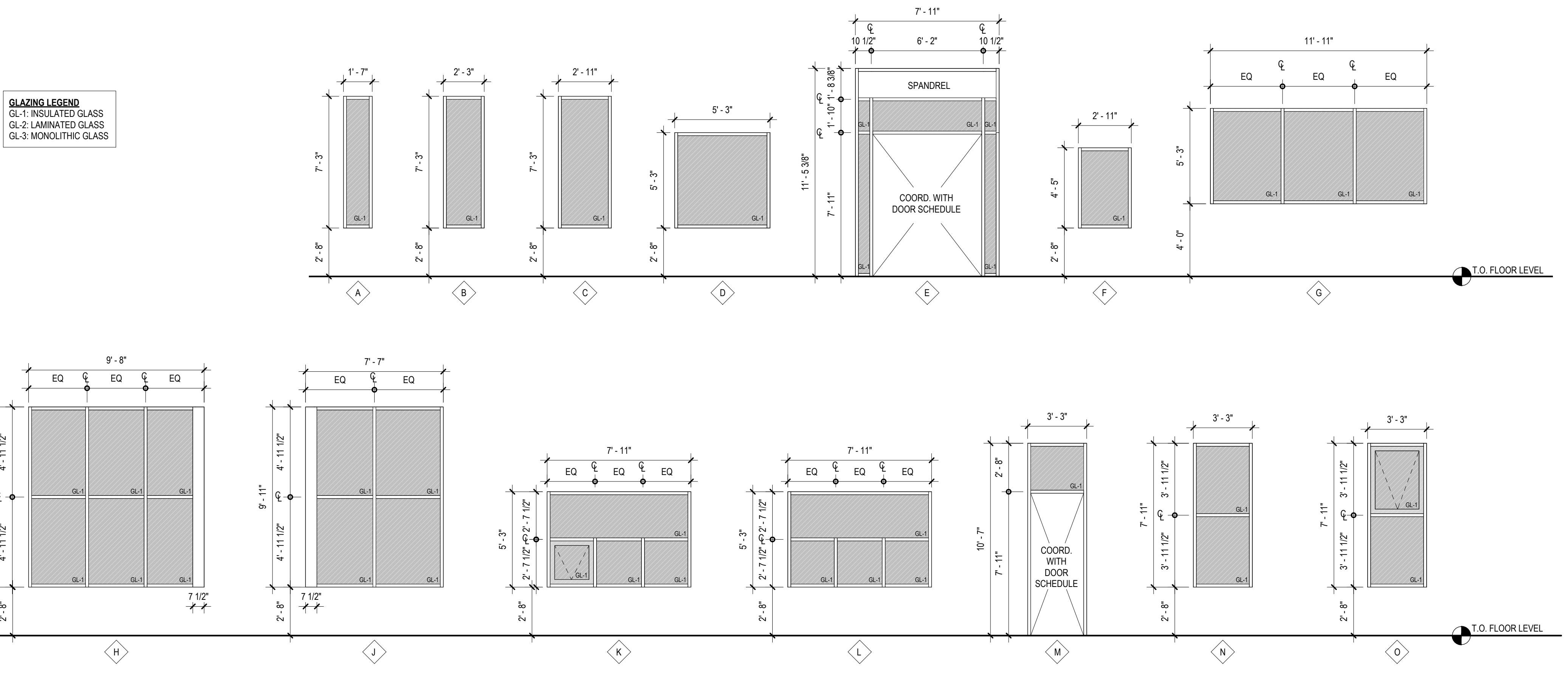


B4 INTERIOR STOREFRONT LEGEND  
1/4" = 1'-0"

C



E1 DETAIL @ FIBERGLASS-SANDWICH-PANEL ASSEMBLY  
1" = 1'-0"



E2 EXTERIOR STOREFRONT LEGEND  
1/4" = 1'-0"

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**REBUILD - VINCENT G. PANATI**  
 PLAYGROUND  
 for  
**PPR/REBUILD PHILADELPHIA**  
 3101-27 N 22ND ST., PHILADELPHIA PA 19132

No.	Date	By	Description

Date: 02/05/2024  
 Scale: As indicated  
 Job No.: 604.2  
 Drawn: NB,KN Appd.: cs

Sheet Title:  
 WINDOW SCHEDULES, TYPES.

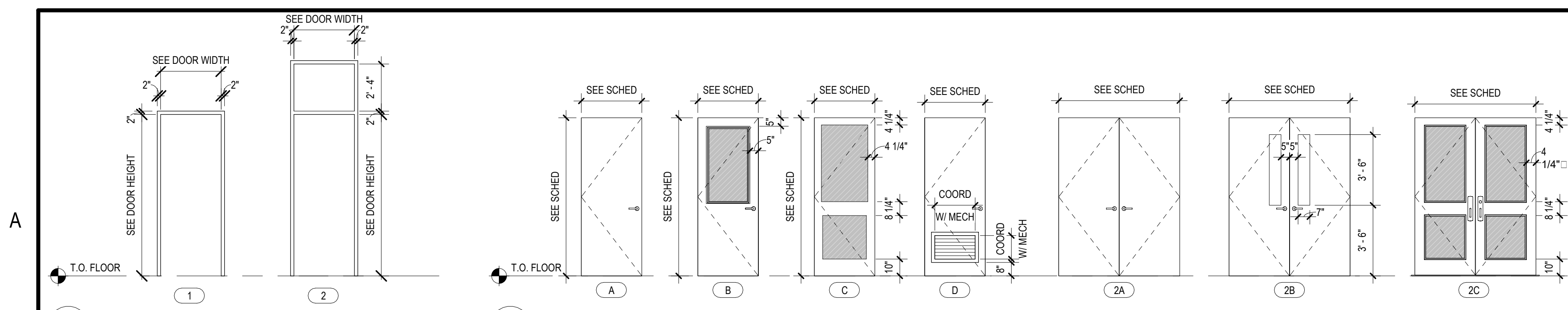
Sheet No.

**A910**

NOT FOR CONSTRUCTION

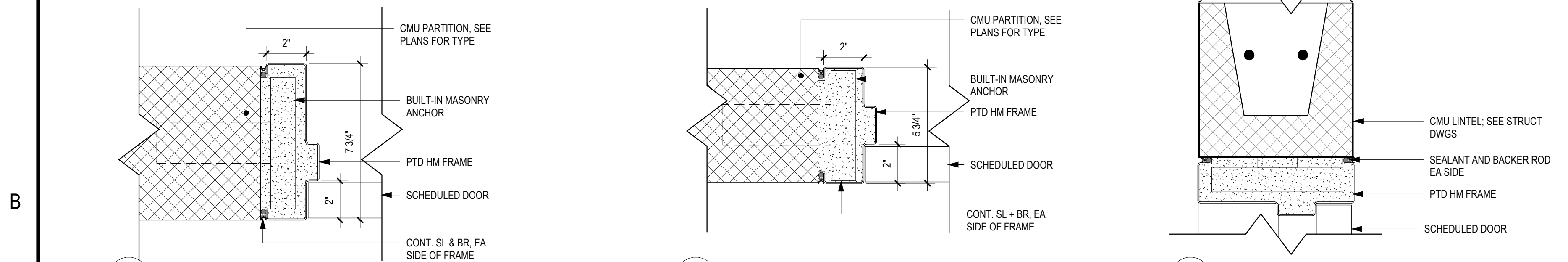
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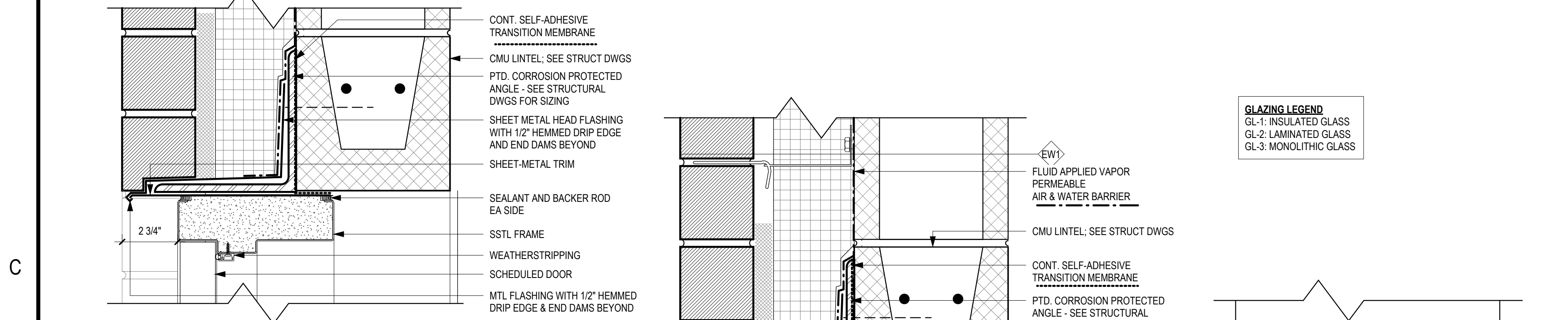
**DOOR FRAME TYPES**  
1/4" = 1'-0"

**DOOR TYPES**  
1/4" = 1'-0"

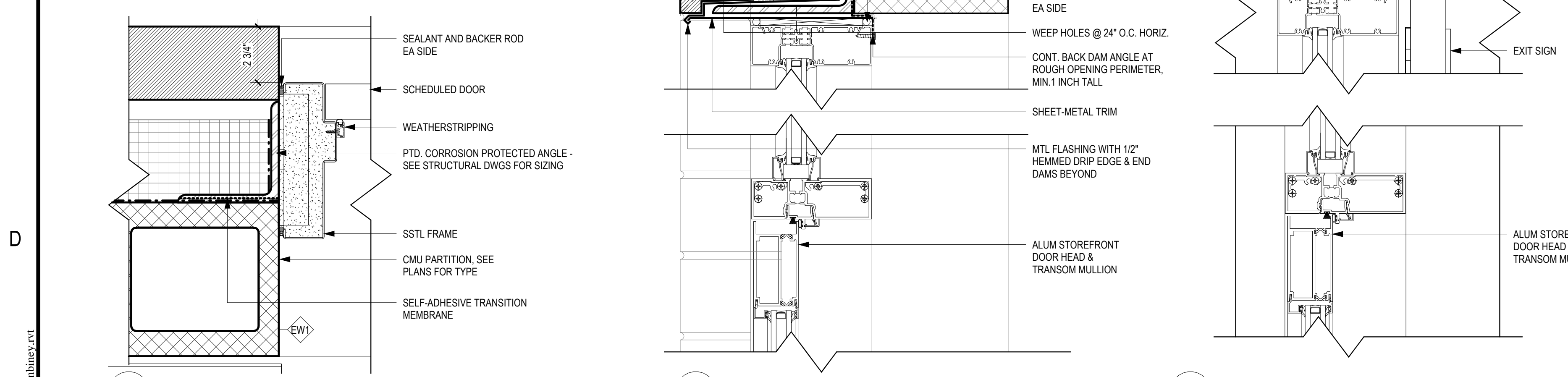


**B1 MASONRY FRAME NEW 8" CMU WALL**  
3" = 1'-0"

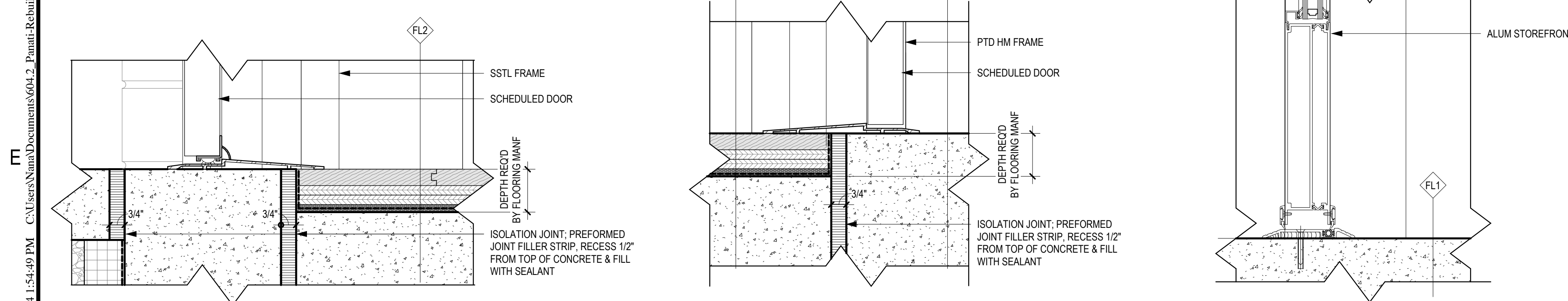
**B2 MASONRY FRAME NEW 6" CMU WALL**  
3" = 1'-0"



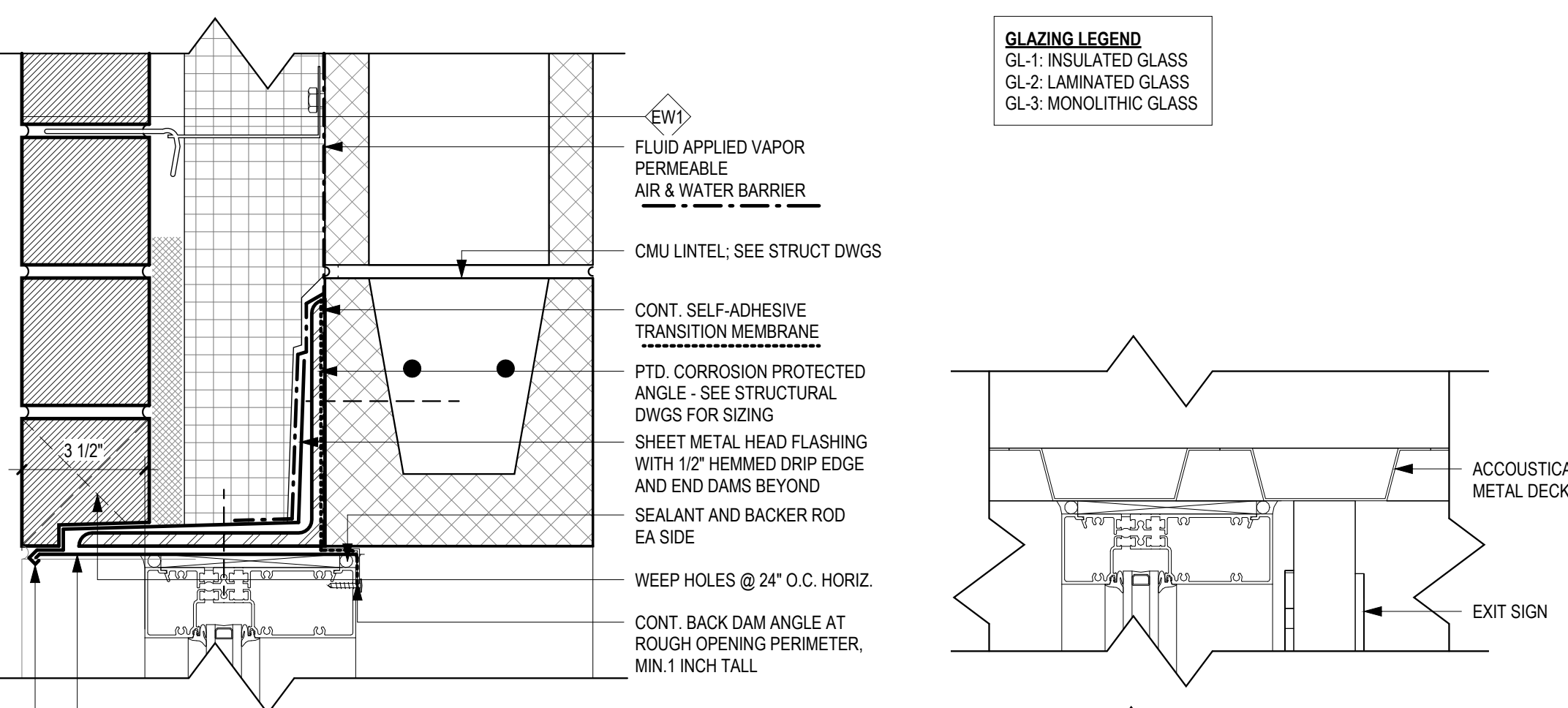
**C1 DETAIL HEAD @ EXTERIOR GYM**  
3" = 1'-0"



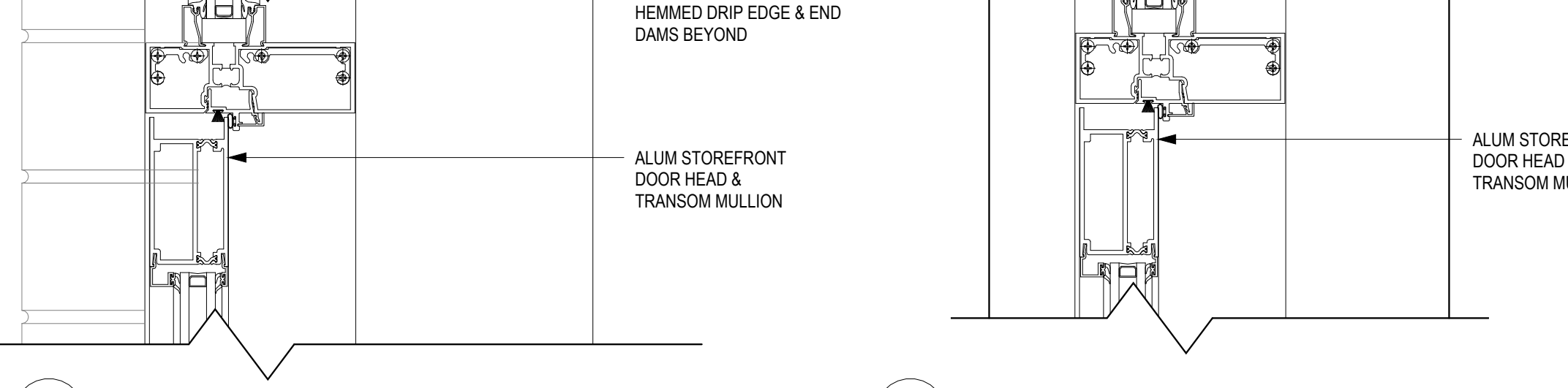
**D1 DETAIL JAMB @ EXTERIOR GYM**  
3" = 1'-0"



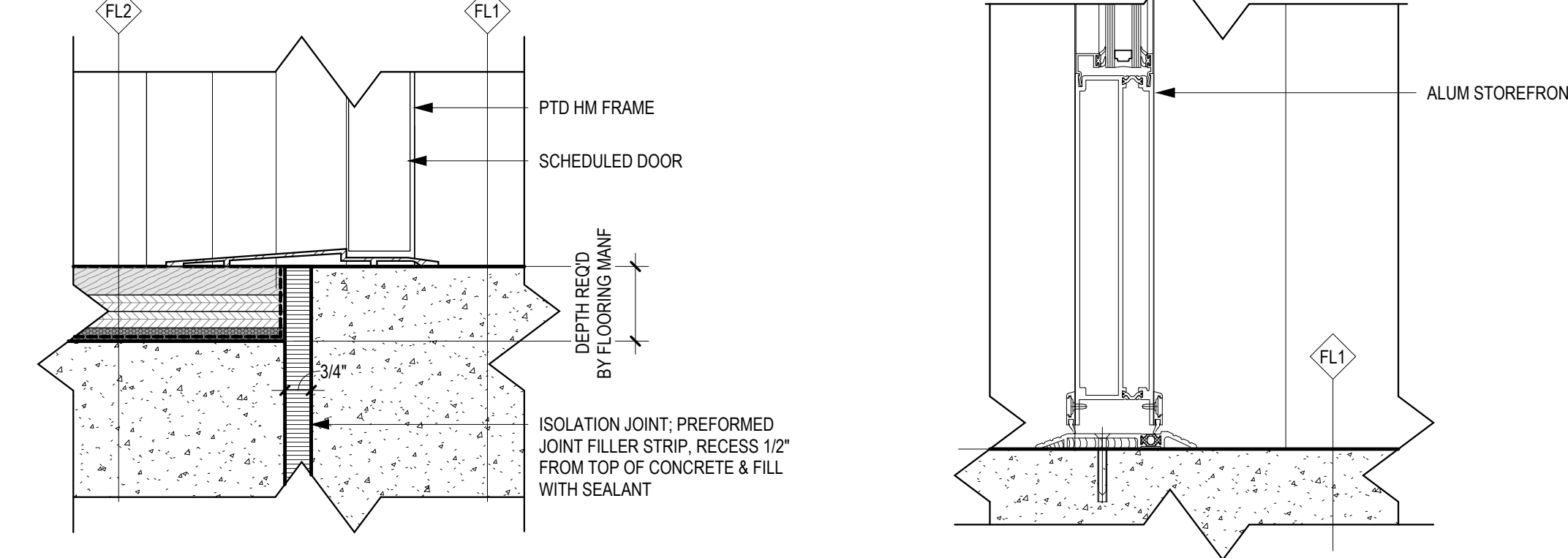
**E1 DETAIL THRESHOLD @ EXTERIOR GYM**  
3" = 1'-0"



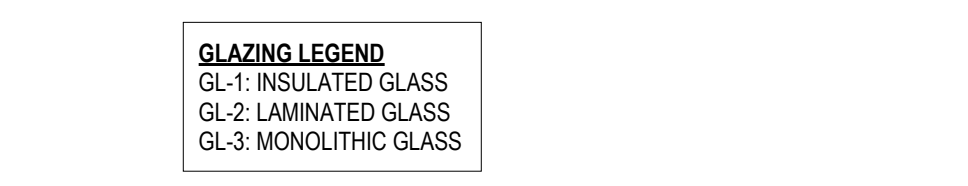
**B2 DETAIL HEAD @ INTERIOR CMU**  
3" = 1'-0"



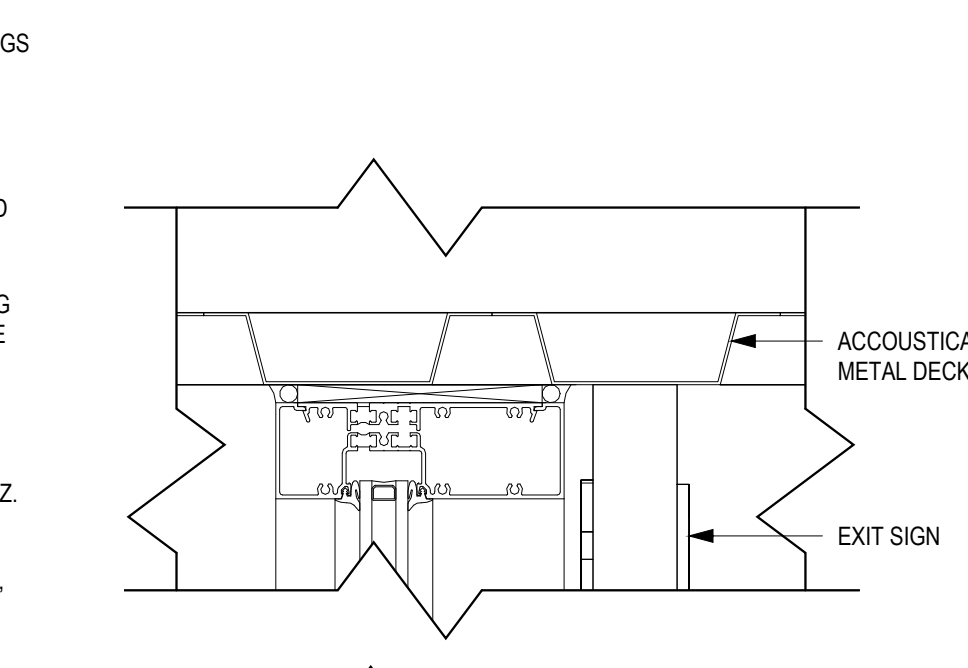
**D2 DETAIL HEAD & TRANSOM @ RM 109 EXT. ALUM STOREFRONT**  
3" = 1'-0"



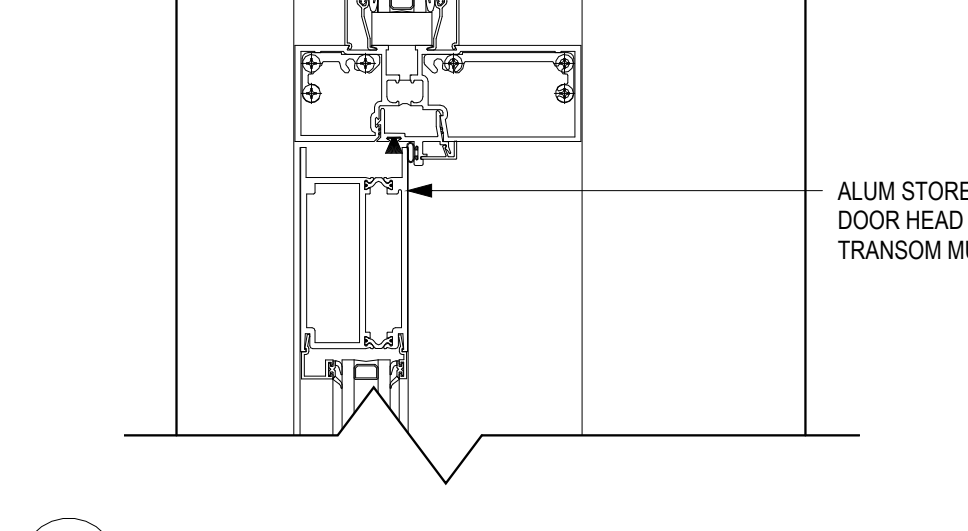
**E2 DETAIL THRESHOLD @ INTERIOR GYM & LOBBY**  
3" = 1'-0"



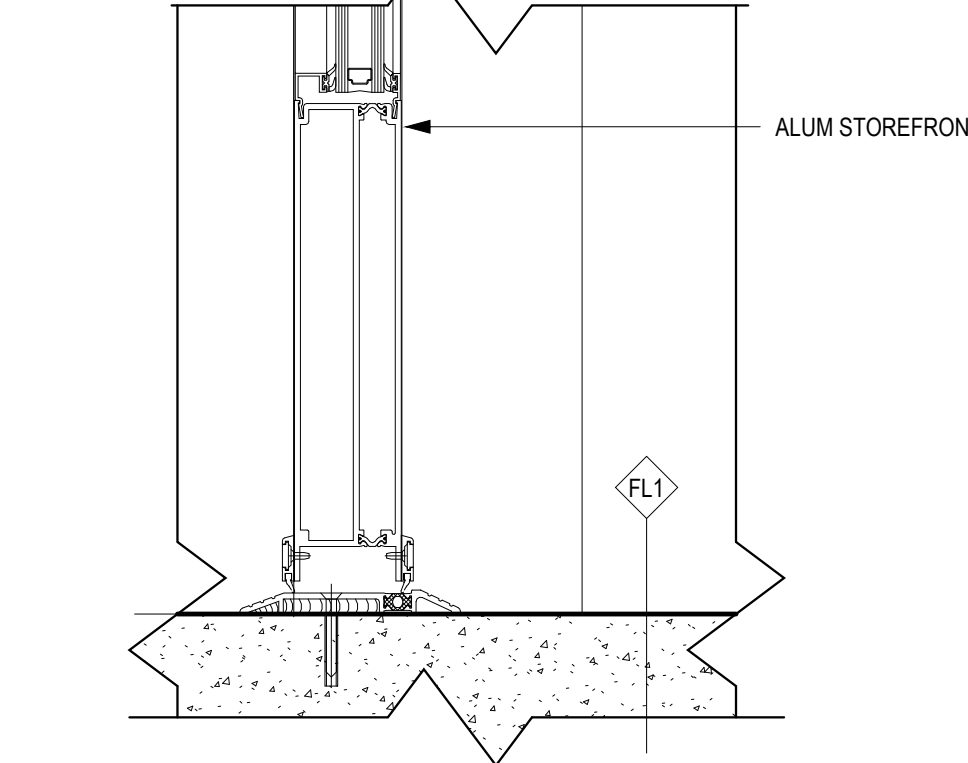
**B3 DETAIL HEAD @ INTERIOR CMU**  
3" = 1'-0"



**D3 DETAIL HEAD & TRANSOM @ INTERIOR STOREFRONT**  
3" = 1'-0"



**D4 DETAIL HEAD & TRANSOM @ EXTERIOR STOREFRONT**  
3" = 1'-0"



**E3 DETAIL THRESHOLD @ INTERIOR ALUM STOREFRONT**  
3" = 1'-0"

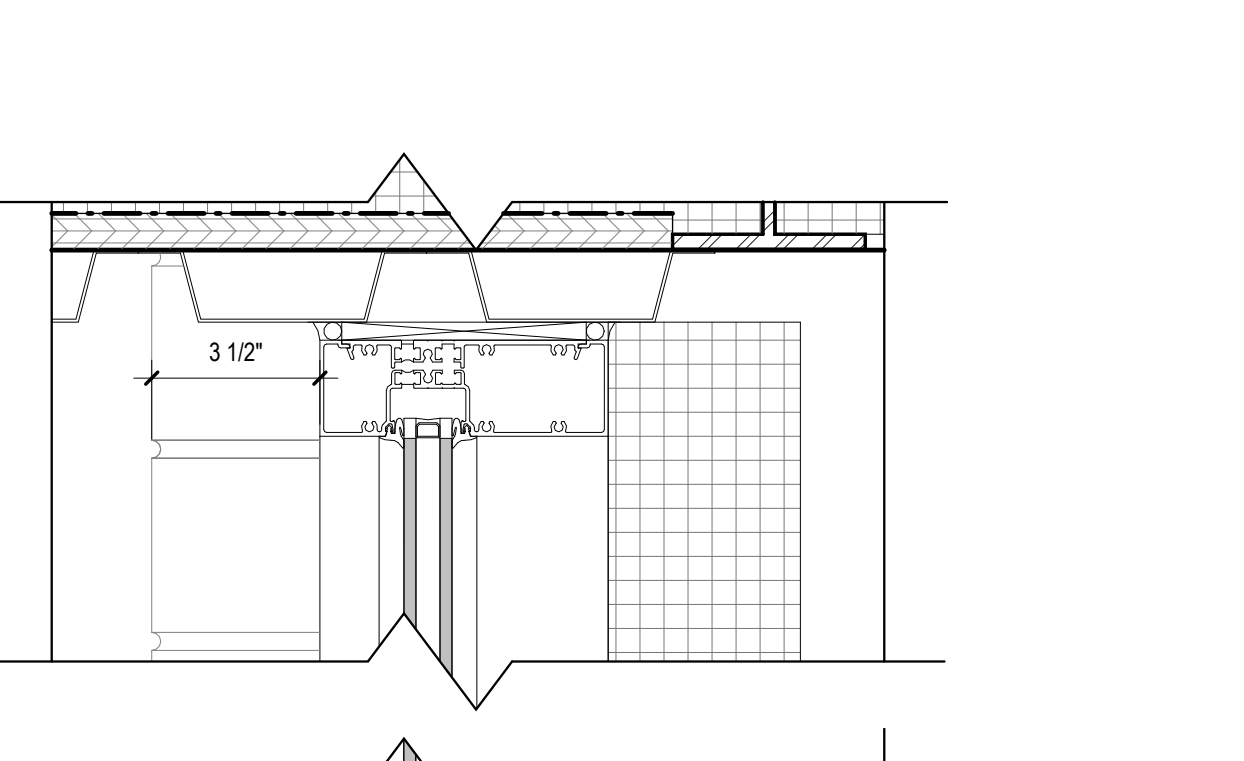
DOOR SCHEDULE																
DOOR No.	ROOM	TYPE	INTERIOR OR EXTERIOR	WIDTH	HEIGHT	THICKNESS	DOOR MTL	FINISH	FRAME TYPE	FRAME MTL	GLAZING	HEAD DTL	JAMB DTL	SILL DTL	HARDWARE SET	COMMENTS
100/A	VESTIBULE	2C	Exterior	6'-0"	7'-10"	0'-1 3/4"	ALUM	CLEAR ANODIZED	2	ALUM	GL-1	D4/A930	B4/A610	E4/A930	07	
101/A	LOBBY	2C	Exterior	6'-0"	7'-10"	0'-1 3/4"	ALUM	CLEAR ANODIZED	2	ALUM	GL-1	D4/A930	A4/A610	E4/A930	07	
101/B	LOBBY	2C	Interior	6'-0"	7'-10"	0'-1 3/4"	ALUM	CLEAR ANODIZED	2	ALUM	GL-1	D3/A930	A2/A610	E3/A930	07	
102/A	OFFICE	C	Interior	3'-0"	7'-10"	0'-1 3/4"	ALUM	CLEAR ANODIZED	1	ALUM	GL-2	B1/A620	C4/A610	E3/A930	01	
102/A/A	CLOSET	2A	Interior	5'-8"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	-	B3/A930	B2/A930	-	03A	
103/A	ALL-GENDER RESTROOM	D	Interior	3'-0"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	-	B3/A930	B2/A930	-	02	
104/A	GEN STOR	A	Interior	3'-0"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	-	B3/A930	B2/A930	-	03	
105/A	GYM WITH HALF COURT BASKETBALL	2B	Interior	6'-4"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	GL-3	B3/A930	B1/A930	E2/A930	05	
105/B	GYM WITH HALF COURT BASKETBALL	A	Exterior	3'-0"	7'-10"	0'-1 3/4"	SSTL	SATIN	1	SSTL	-	C1/A930	D1/A930	E1/A930	11	
105/A/A	MECH	2A	Interior	5'-8"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	-	B3/A930	B1/A930	E2/A930	04	
105/B/A	GYM EQUIP STORAGE	2A	Interior	6'-4"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	-	B3/A930	B1/A930	E2/A930	03A	
106/A	WOMEN	D	Interior	3'-0"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	-	B3/A930	B1/A930	-	09	
107/A	MEN	D	Interior	3'-0"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	-	B3/A930	B1/A930	-	09	
108/A	JC	A	Interior	3'-0"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	-	B3/A930	B2/A930	-	03	
109/A	MULTI-PURPOSE	2B	Interior	6'-4"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	GL-3	B3/A930	B1/A930	-	05	
109/B	MULTI-PURPOSE	C	Exterior	3'-0"	7'-10"	0'-1 3/4"	ALUM	CLEAR ANODIZED	2	ALUM	GL-1	D2/A930	B4/A610	C2/A930	11	
109/A/A	CLOSET	2A	Interior	7'-0"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	-	B3/A930	B1/A930	-	03A	
110/A	MAKER SPACE	B	Interior	3'-0"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	GL-3	B3/A930	B1/A930	-	10	
110/B	MAKER SPACE	A	Interior	3'-0"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	-	B3/A930	B1/A930	-	10	
111/A	COMMUNITY KITCHEN	B	Interior	3'-0"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	GL-3	B3/A930	B1/A930	-	01	
112/A	MECH	A	Exterior	3'-0"	7'-10"	0'-1 3/4"	HM	PTD	1	HM	-	C6/A930	D6/A930	E6/A930	04	

**DOOR SCHEDULE / DOOR HARDWARE GENERAL NOTES**

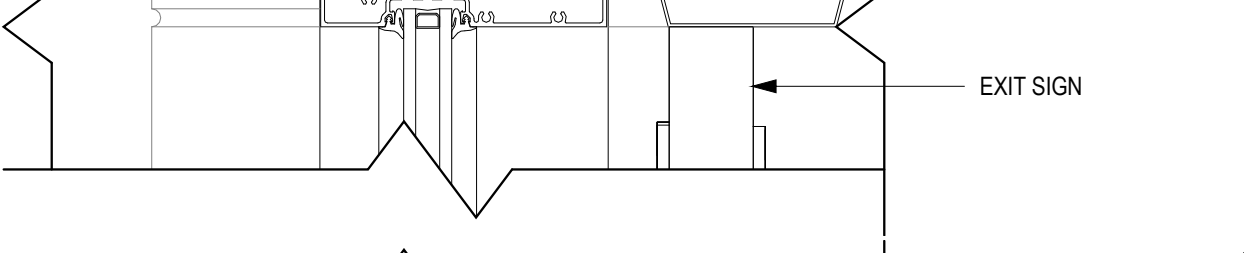
- AT EXT DOORS - PROVIDE CONT EXT WEATHERSTRIPPING AND ADDA ACCESSIBLE ALUM THRESHOLD
- PROVIDE PANIC HARDWARE AND SURFACE MOUNTED CLOSERS AT ALL EXTERIOR STOREFRONTS
- ALL INT DOOR THRESHOLDS TO BE ADA ACCESSIBLE HEIGHT
- CONTRACTOR TO COORDINATE WITH OWNER'S SECURITY VENDOR FOR ADDITIONAL POWER REQUIREMENTS
- REFER TO ELEC DOCUMENTS FOR ADDITIONAL INFORMATION
- BOTTOM OF GLASS TO BE 43" MAXIMUM ABOVE THE FLOOR.

**DOOR HARDWARE SETS**

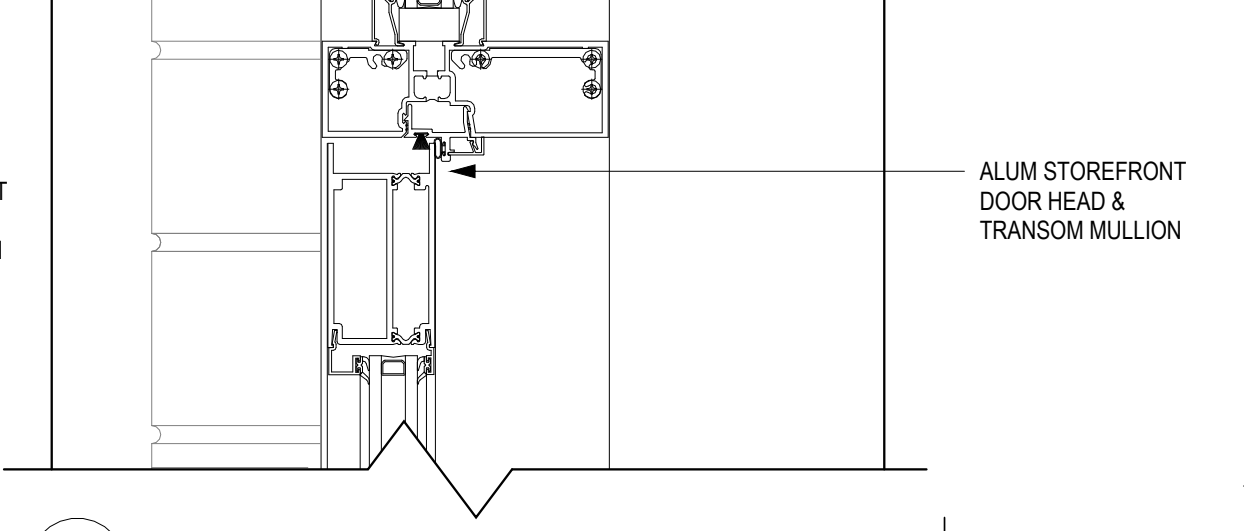
- HARDWARE SET 01 - OFFICE WITH LOCK  
 HARDWARE SET 02 - KEYED PRIVACY TOILET  
 HARDWARE SET 03 - STORAGE CLOSET  
 HARDWARE SET 03A - STORAGE CLOSET DOUBLE DOORS  
 HARDWARE SET 04 - MECHANICAL ROOM DOUBLE DOORS  
 HARDWARE SET 05 - PANIC HARDWARE DOUBLE DOORS  
 HARDWARE SET 07 - EXTERIOR PANIC HARDWARE DOUBLE DOORS  
 HARDWARE SET 09 - PUSH/PULL SINGLE DOOR, NO LOCKING  
 HARDWARE SET 10 - CLASSROOM  
 HARDWARE SET 11 - EXTERIOR PANIC HARDWARE, SINGLE DOOR (NO EXT HARDWARE)



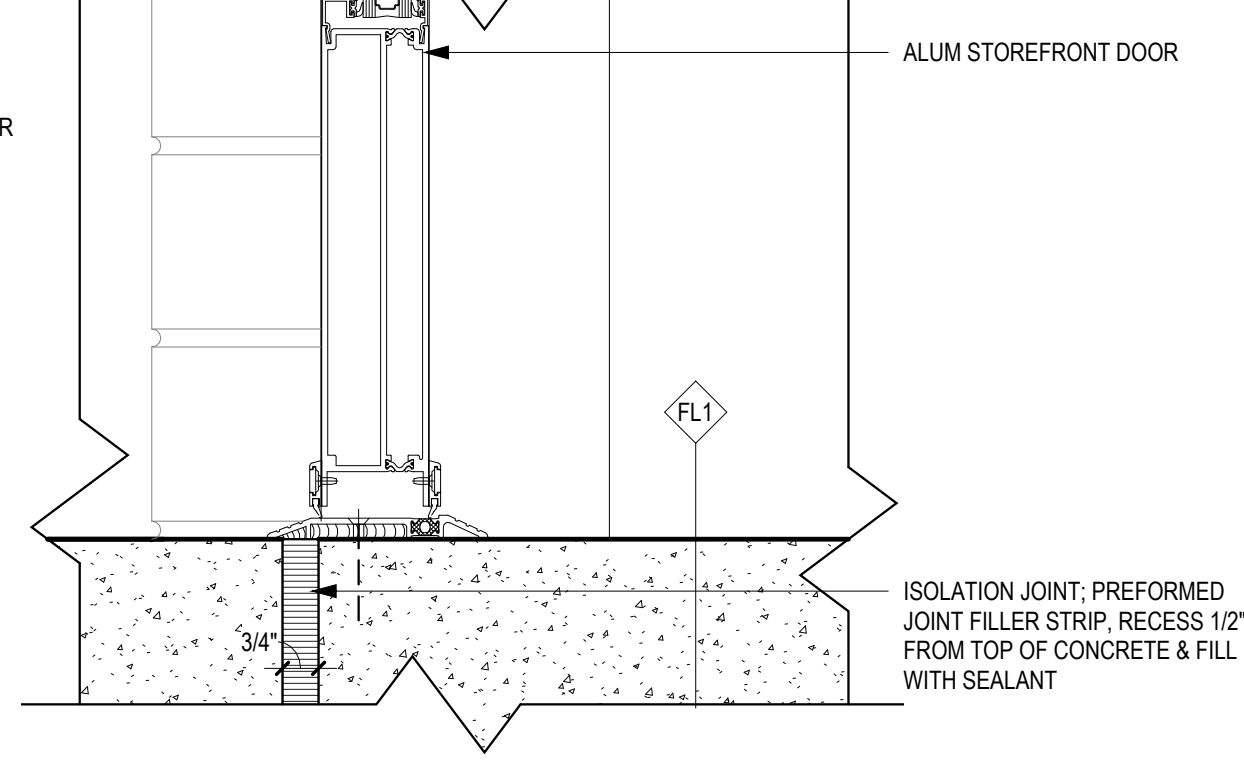
**C6 DETAIL HEAD @ MECH RM 112 & 113**  
3" = 1'-0"



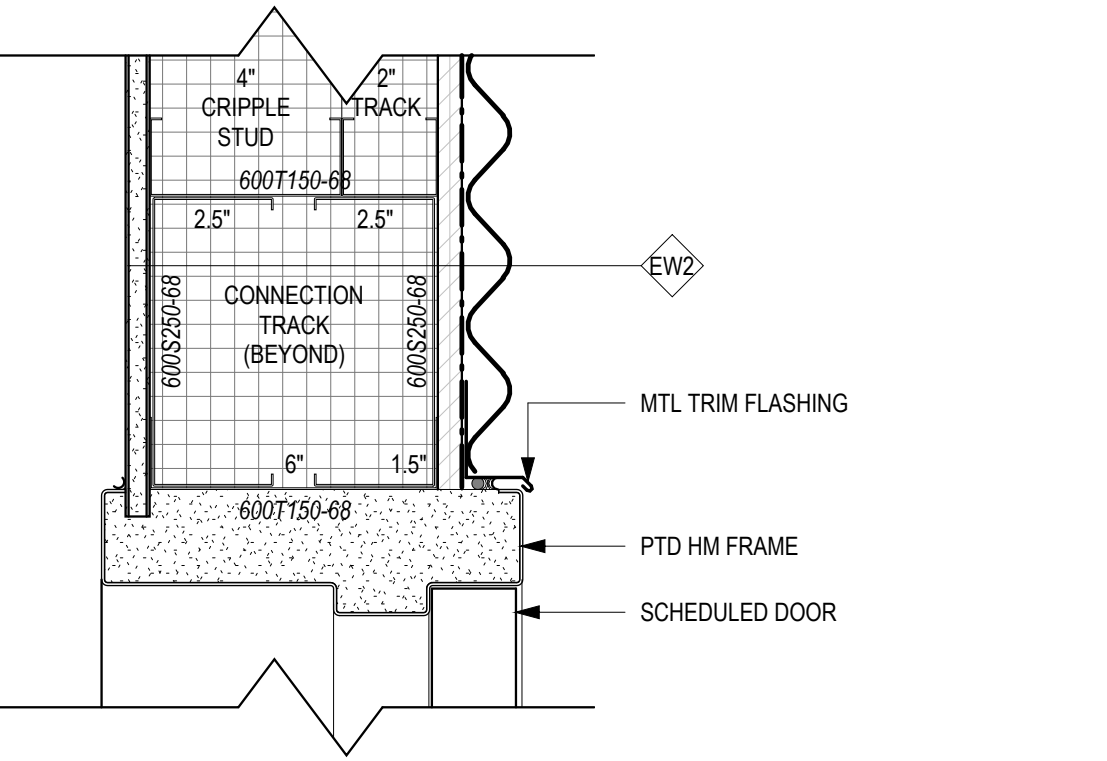
**D6 DETAIL JAMB @ MECH RM 112**  
3" = 1'-0"



**E4 DETAIL THRESHOLD @ EXTERIOR ALUM STOREFRONT**  
3" = 1'-0"



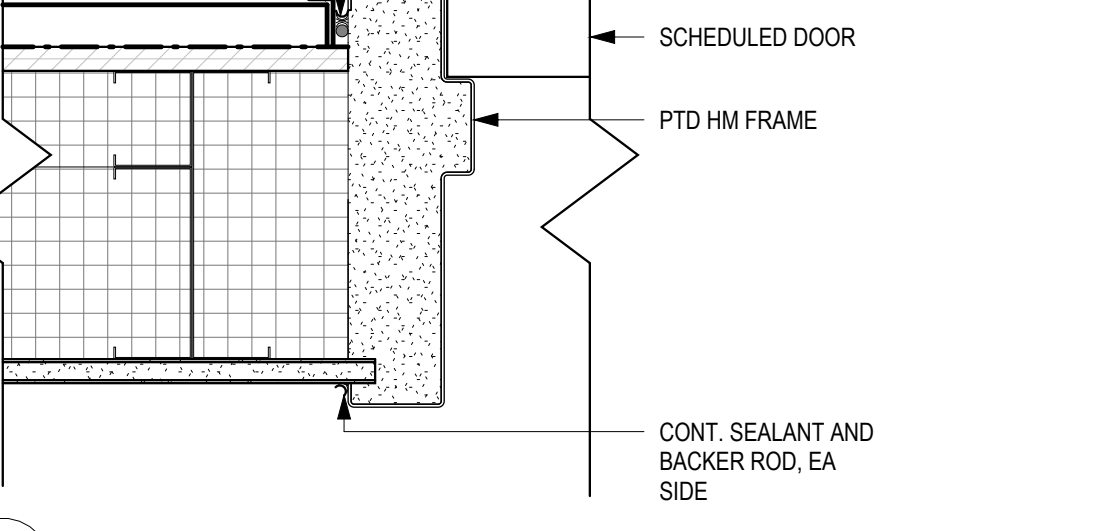
**E6 DETAIL THRESHOLD @ MECH RM 112 & 113**  
3" = 1'-0"



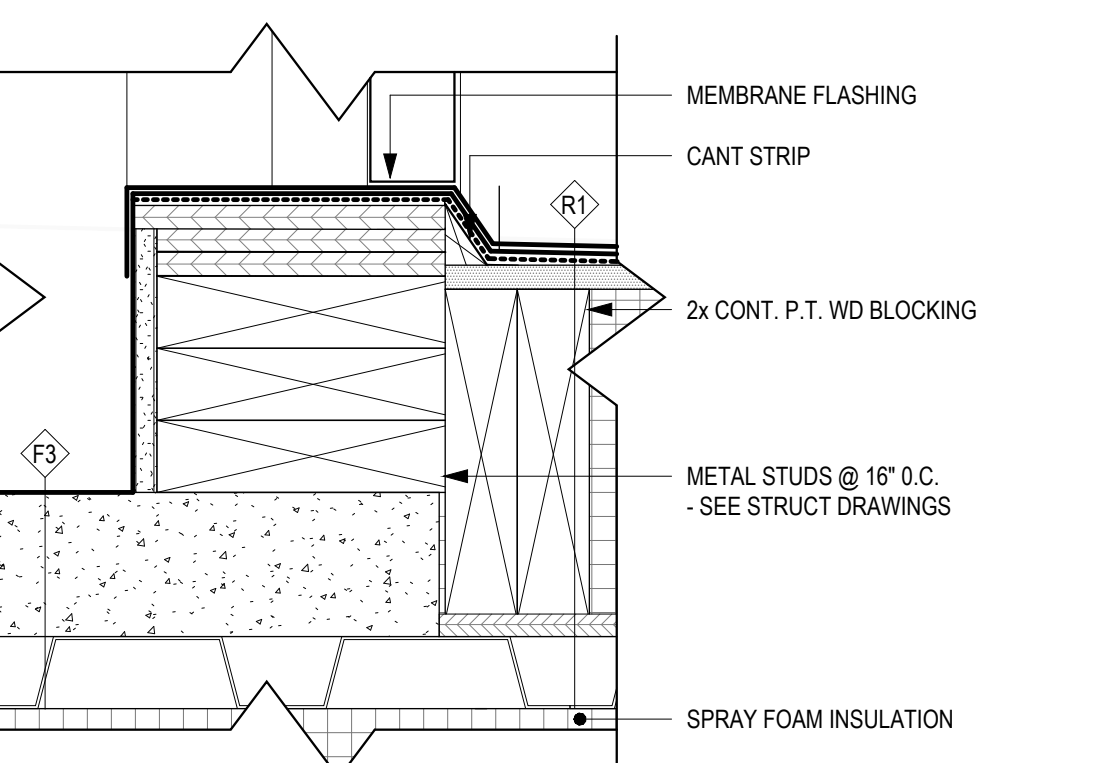
**E6 DETAIL THRESHOLD @ MECH RM 112 & 113**  
3" = 1'-0"



**E6 DETAIL THRESHOLD @ MECH RM 112 & 113**  
3" = 1'-0"



**E6 DETAIL THRESHOLD @ MECH RM 112 & 113**  
3" = 1'-0"



**E6 DETAIL THRESHOLD @ MECH RM 112 & 113**  
3" = 1'-0"

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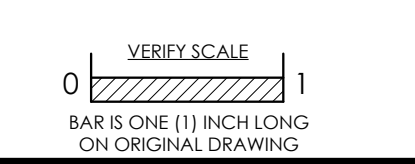
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**REBUILD - VINCENT G. PANATI**  
 PLAYGROUND  
 for  
 PPR/REBUILD PHILADELPHIA

3101-27 N 22ND ST., PHILADELPHIA PA 19132



No.	Date	By	Description

Date: 02/05/2024  
 Scale: As indicated  
 Job No.: 604.2  
 Drawn: NB,KN Appd.: cs

Sheet Title:  
**DOOR SCHEDULES, TYPES, DETAILS**

Sheet No.  
**A930**

**NOT FOR CONSTRUCTION**

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A

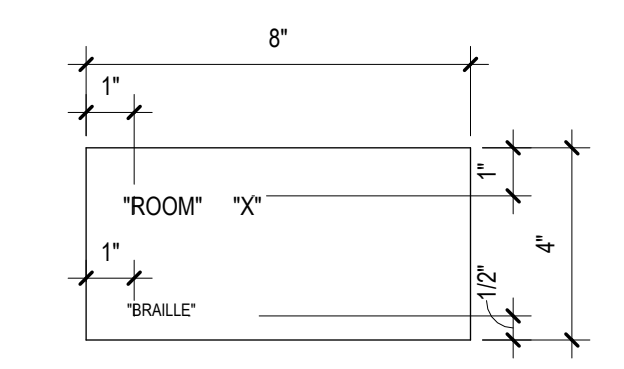
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C

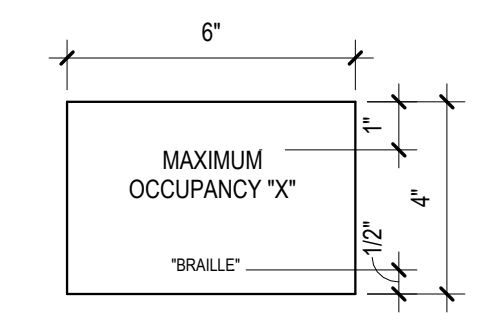
D

### GENERAL NOTES

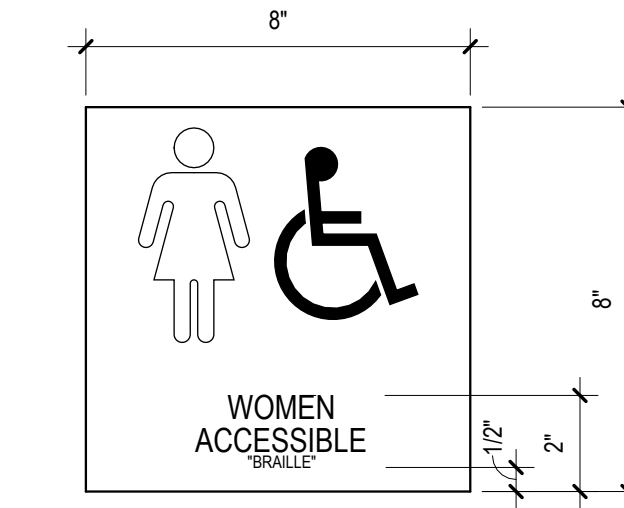
- ALL SIGNAGE CONFORMS TO OR EXCEEDS THE REQUIREMENTS OF:
  - ANSI A117.1 2009, CHAPTER 7
  - INTERNATIONAL BUILDING CODE 2018, CHAPTER 11
  - ADA ACCESSIBILITY GUIDELINES, 4.30 SIGNAGE
- INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGNAGE SHALL BE LOCATED:
  - AT EACH REQUIRED ACCESSIBLE PUBLIC ENTRANCE
  - AT EACH REQUIRED ACCESSIBLE TOILET / BATHING FACILITY
  - AT EACH REQUIRED AREA OF REFUGE
- MOUNT SIGNAGE AT 50" AFF, MEASURED TO THE BOTTOM OF THE BRAILLE UON
- MOUNT SIGNAGE ON THE LATCH SIDE OF DOOR, WHEN THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR THE RIGHT SIDE OF DOUBLE DOORS, SIGNAGE SHALL BE LOCATED ON THE NEAREST ADJACENT WALL
- ALL CHARACTERS TO BE RAISED, MIN 1/32". ALL TEXT AND GRAPHICS TO BE CENTERED HORIZONTALLY IN SIGNAGE UON
- FONT COLORS AND TACTILE GRAPHIC COLORS SHALL BE SELECTED FROM FULL-RANGE OF MANUFACTURER'S STANDARD RANGE OF COLORS
- FONT: SANS SERIF TYPE, 5/8" - ARIAL FONT UON. CONTRACTOR TO PROVIDE FULL RANGE OF SANS SERIF FONTS TO ARCHITECT / CLIENT FOR FINAL SELECTION.
- ALL BRAILLE SHALL BE GRADE 2 UON
- WHEN SIGNAGE IS MOUNTED TO GLASS, A FLAT BACK PLATE WITH ADHESIVE SHALL BE PROVIDED ON THE OTHER SIDE OF THE GLASS, TYP UON
- CONTRACTOR SHALL CONFIRM ALL SIGNAGE TYPES AND LOCATIONS WITH CLIENT
- PROVIDE MECHANICAL FASTENERS FOR ALL SIGNS



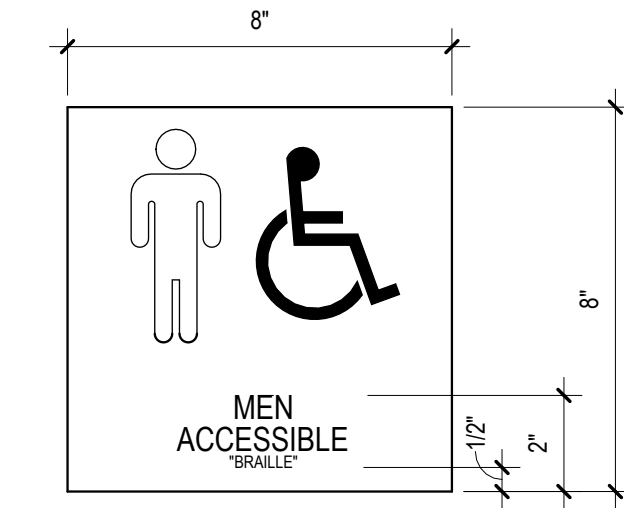
**SIGN TYPE 2A**  
COMMON ROOM DOORS / OFFICE /  
MULTI-PURPOSE / COMMUNITY KITCHEN /  
MAKERSPACE / GYMNASIUM / STORAGE /  
CUSTODIAL



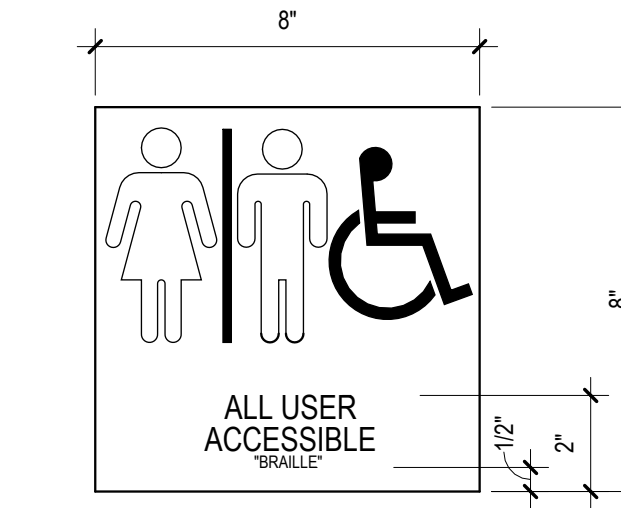
**SIGN TYPE 11**  
ASSEMBLY OCCUPANCY SPACES



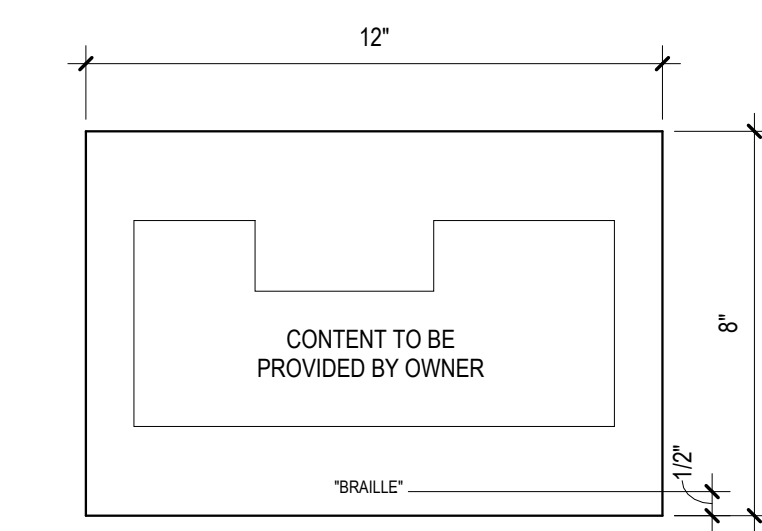
**SIGN TYPE 9A**  
PUBLIC TOILET ROOMS



**SIGN TYPE 9B**  
PUBLIC TOILET ROOMS (ACCESSIBLE)



**SIGN TYPE 9C**  
PUBLIC TOILET ROOMS (ACCESSIBLE)



**SIGN TYPE 14**  
EVACUATION MAP  
(LOCATIONS AS REQUIRED BY BUILDING CODE)



**SIGN TYPE 16A**  
EVERY BUILDING ENTRANCE, EXIT

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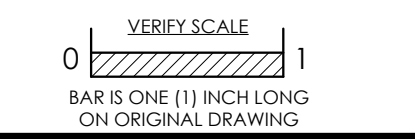
CONSULTING ENGINEERS:  
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Forensic Engineering



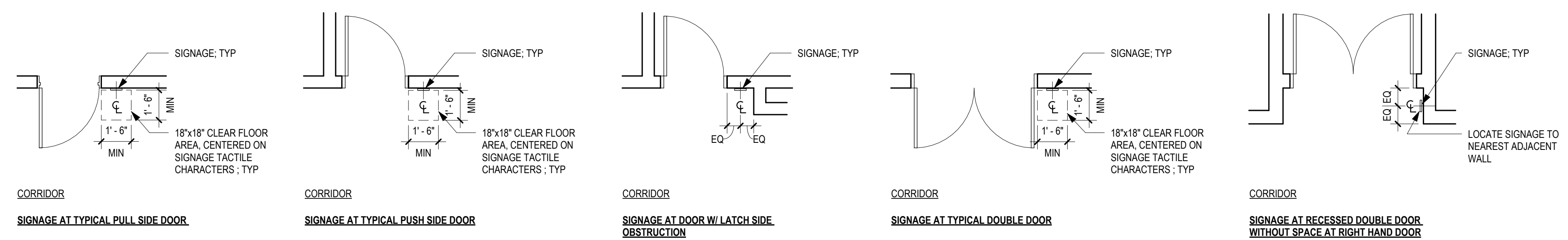
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ADA SIGNAGE - SIGN TYPES  
3" = 1'-0"



ADA SIGNAGE - LOCATION DIAGRAMS  
1/4" = 1'-0"

No.	Date	By	Description

Date: 02/05/2024  
Scale: As indicated  
Job No.: 604.2  
Drawn: NB, KN Appd.: cs

Sheet Title:  
**INTERIOR SIGNAGE TYPES, SCHEDULE**

Sheet No.:  
**A940**

**NOT FOR CONSTRUCTION**

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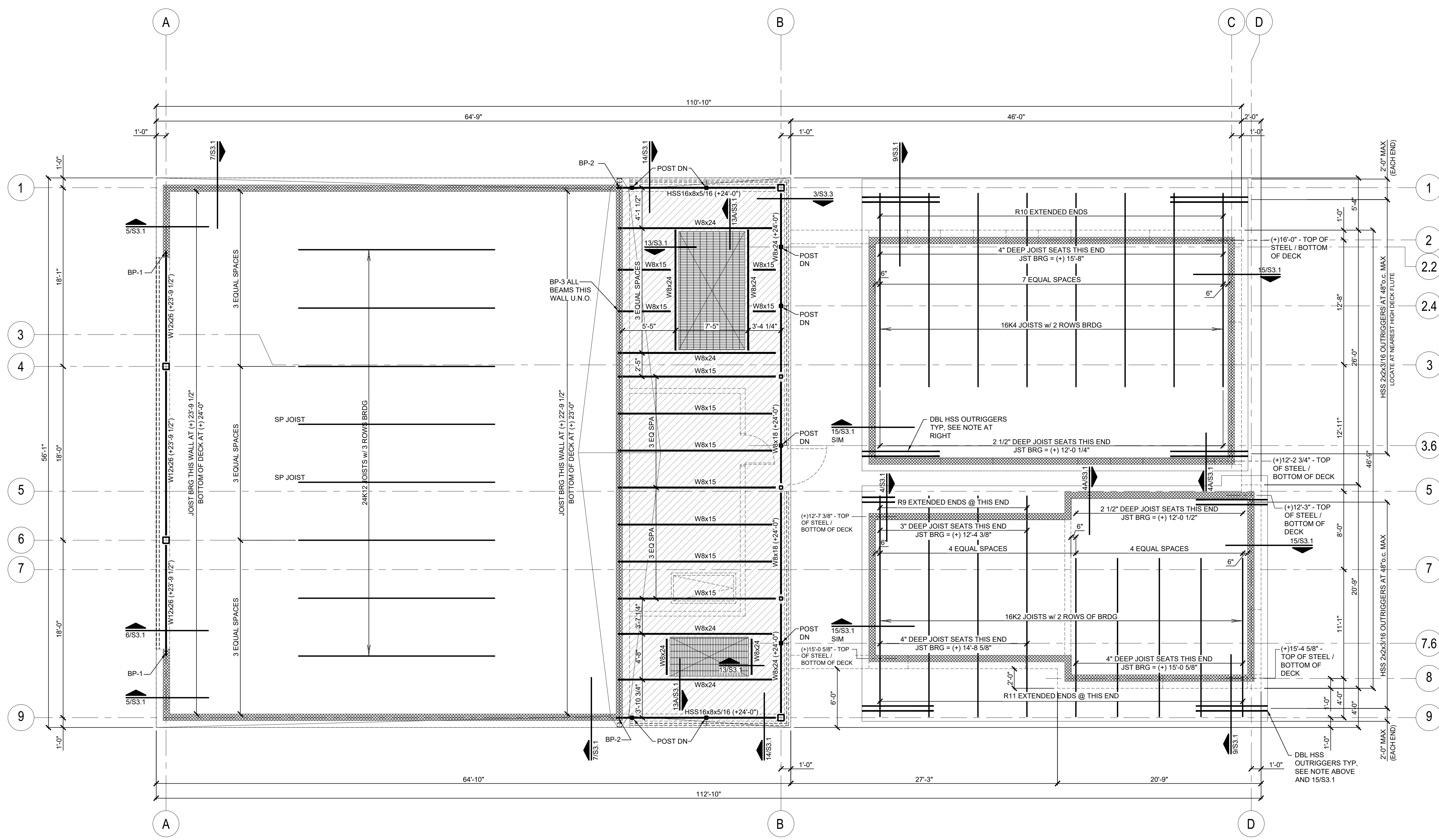
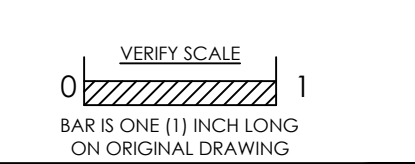












**HIGH ROOF FRAMING PLAN**  
 SCALE: 3/16" = 1'-0"

- DIMENSIONS AND ELEVATIONS ARE SHOWN FOR CONVENIENCE ONLY. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS ALL DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION OR START OF CONSTRUCTION.
- JOIST QUANTITIES AND LAYOUT REPRESENT DESIGN INTENT ONLY. ACTUAL QUANTITIES, SPACING AND LAYOUT MUST BE FIELD VERIFIED WITH ACTUAL CONDITIONS AND DIMENSIONS AND ADJUSTED AS NECESSARY.
- WALLS AS SHOWN ON PLAN:  
 WALLS ASSOCIATED TO PLAN: .....  
 WALLS OF PLAN BELOW: .....
- MAXIMUM JOIST SPACING NOT TO EXCEED 6'-0" o.c. UNLESS NOTED OR SHOWN OTHERWISE ON PLAN.
- SEE SECTIONS FOR TOP OF STEEL ELEVATIONS, UNLESS NOTED ON PLAN.
- CONTRACTOR SHALL COORDINATE ALL VENDOR REQUIREMENTS FOR SPECIALIZED EQUIPMENT WITH STRUCTURAL ENGINEER PRIOR TO PLACING ROOF DECK.
- SEE SHEET S4.1 FOR GENERAL NOTES.
- CONTRACTOR SHALL COORDINATE ALL SLAB OPENINGS WITH MECHANICAL DRAWINGS. OPENINGS LARGER THAN 12" DIAMETER OR SQUARE MUST BE SUPPORTED ON AN ANGLE FRAME. SEE DETAIL 2/S3.2.
- ROOF DECK OVER GYM, MULTI-PURPOSE ROOM, AND MAKER SPACE TO BE 2" X 20 GA VERSA-DEK 2.0 S ES ACOUSTICAL ROOF DECK. SEE GENERAL NOTES.

- INDICATES ROOF DECK ABOVE MECH MEZZ TO BE 1 1/2" x 20ga. TYPE B WIDE RIB ROOF DECK. SEE GENERAL NOTES.
- SEE LOOSE LINTEL SCHEDULE 1/S3.3 FOR MASONRY OPENING LITELS NOT LABELED ON PLAN.
- BP-1 (EXAMPLE) DENOTES BEARING PLATE, SEE SCHEDULE 2/S3.3.
- COORD. FINAL DIMENSIONS AND LOCATIONS w/ RTU EQUIPMENT PURCHASED.
- TOP OF STEEL ELEV LISTED ON PLAN ARE ABOVE FIN. FIRST FLOOR.
- PROVIDE BRIDGING FOR JOISTS AS REQUIRED BY THE STEEL JOIST INSTITUTE (SJI).
- TOP OF ROOF STEEL AND UNDERSIDE OF ROOF DECK ELEVATIONS VARY. SEE PLAN AND SECTIONS.
- DENOTES MOMENT CONNECTION. SEE PLAN MARK, COORD. w/ CONNECTION NOTE BELOW.

NOTE: ARCHITECTURAL PLAN, CIVIL AND MEP BACKGROUND INFORMATION IS SHOWN FOR REFERENCE AND COORDINATION ONLY. THE CONTRACTOR SHALL VERIFY ALL BACKGROUND DIMENSIONS, BUILDING COMPONENTS AND CONDITIONS WITH THE FINAL SET OF ARCHITECTURAL DRAWINGS ISSUED FOR CONSTRUCTION

No.	Date	By	Description

Date: 02/05/2024  
 Scale: NOTED  
 Job No.: 725002  
 Drawn: PMG | Appd.: PMG

Sheet Title:  
 HIGH ROOF FRAMING PLAN

Sheet No.

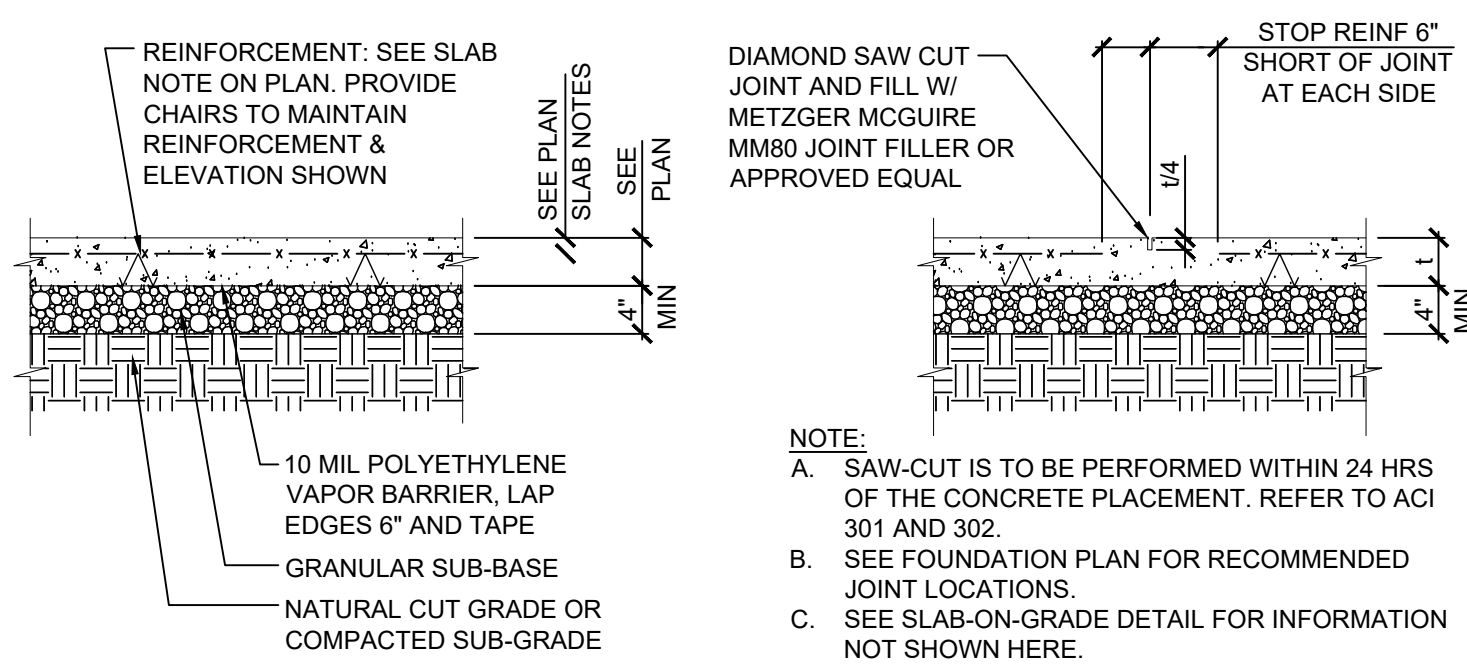






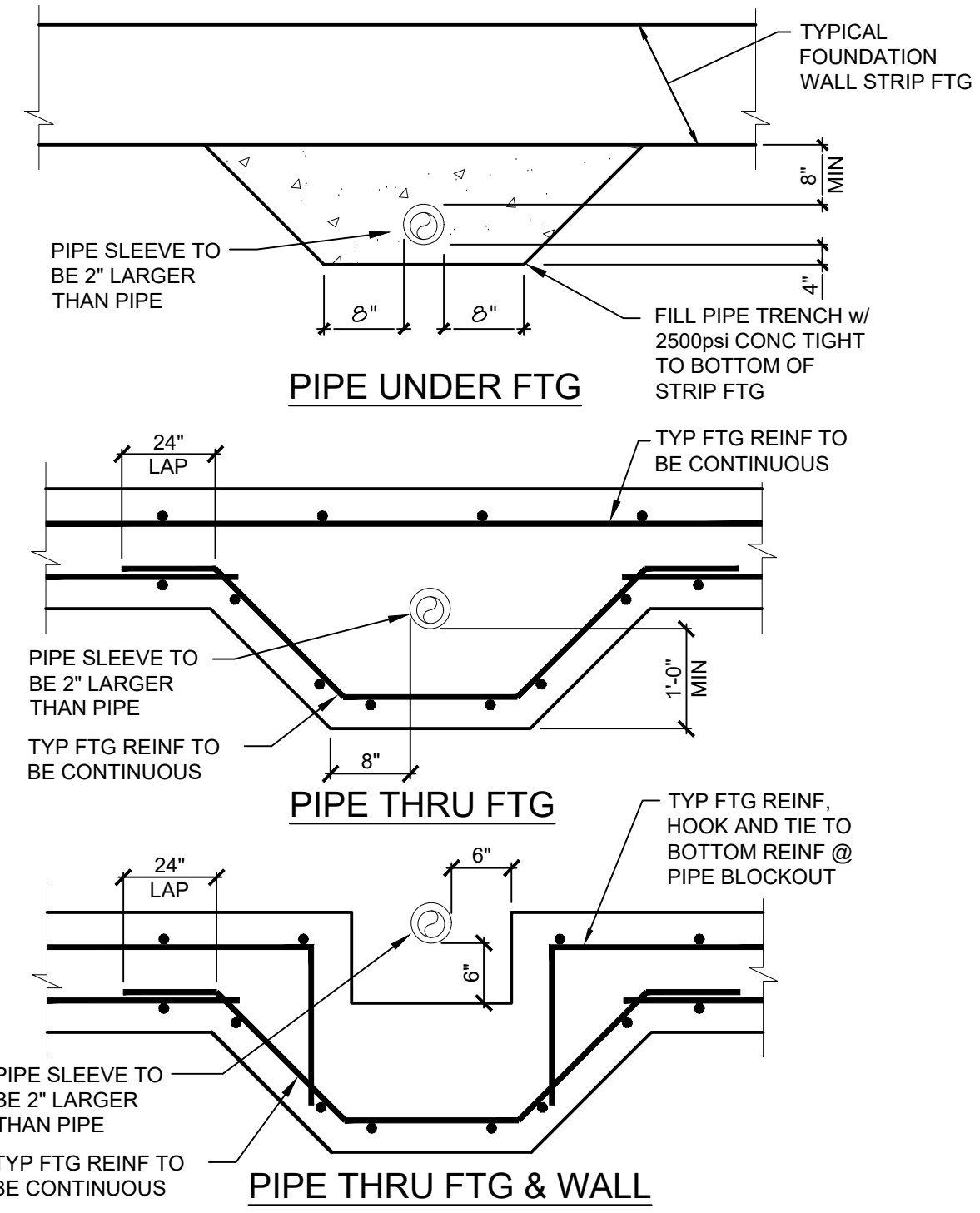




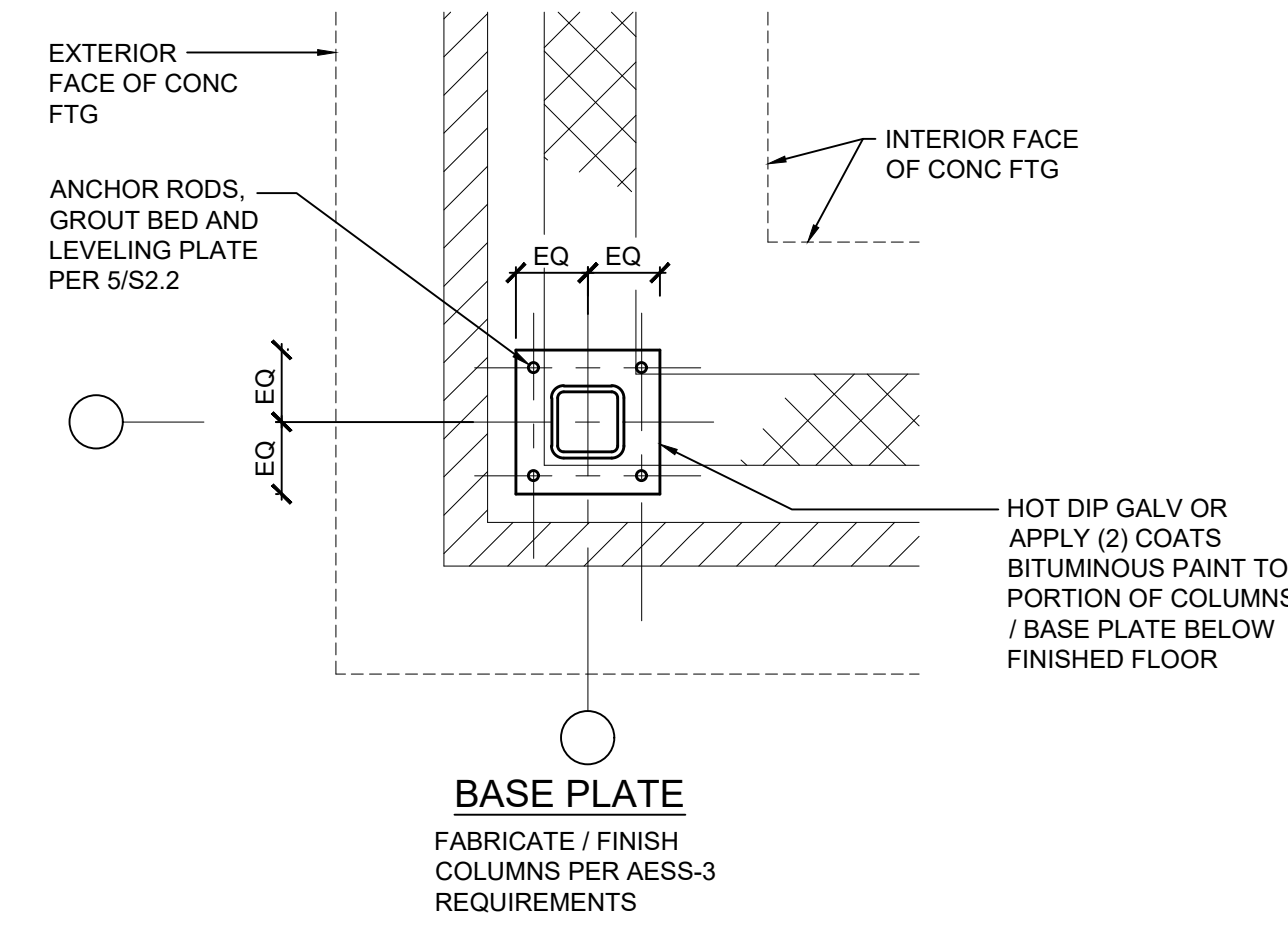


1 SLAB DETAILS  
SCALE: 3/4"=1'-0"

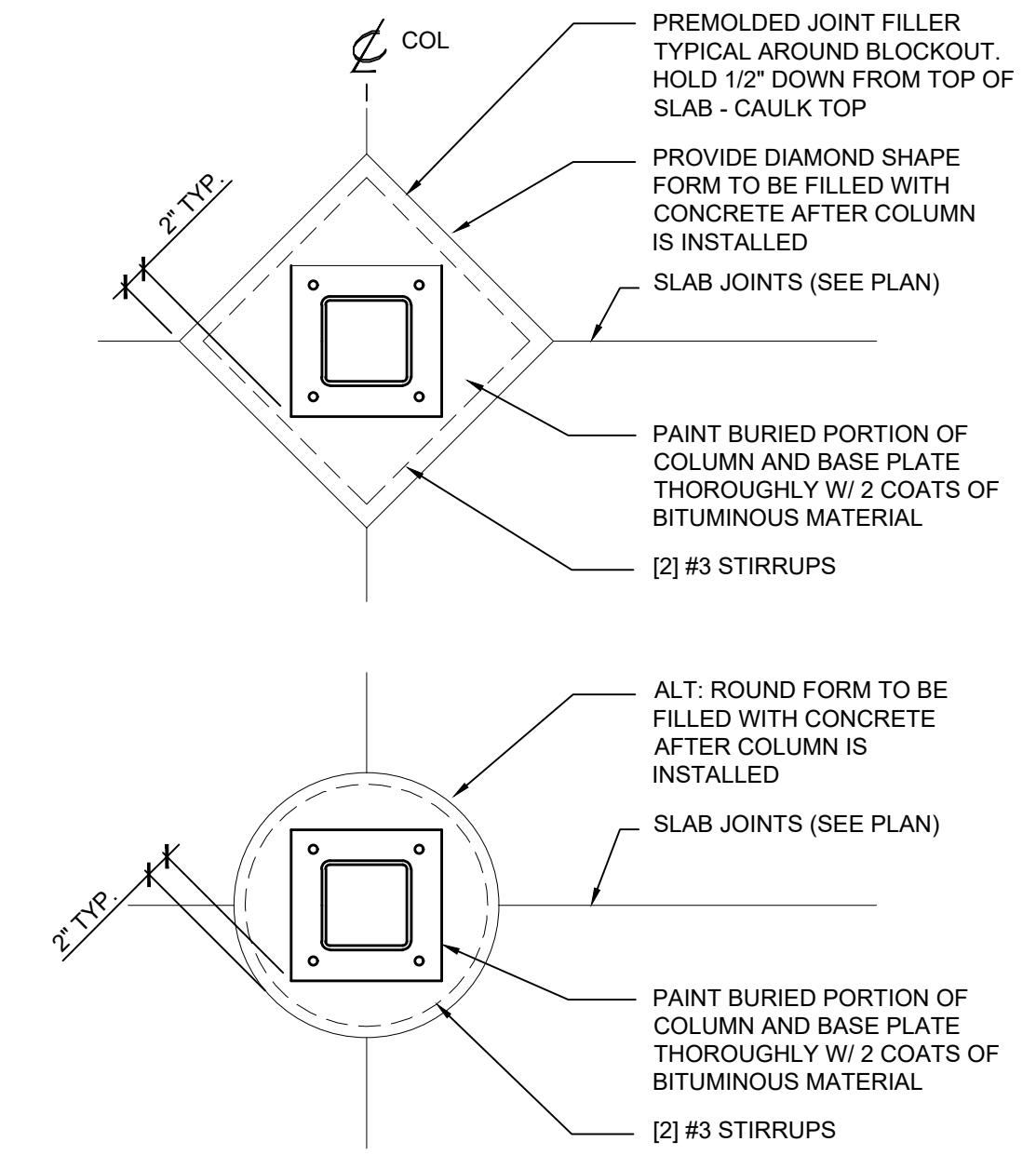
2 FOUNDATION CONDUIT AND PLUMBING CONDITIONS  
SCALE: 3/4"=1'-0"



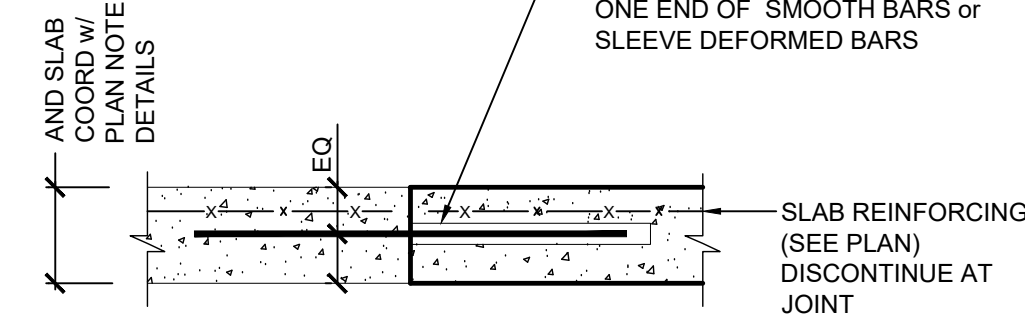
2 FOUNDATION CONDUIT AND PLUMBING CONDITIONS  
SCALE: 3/4"=1'-0"



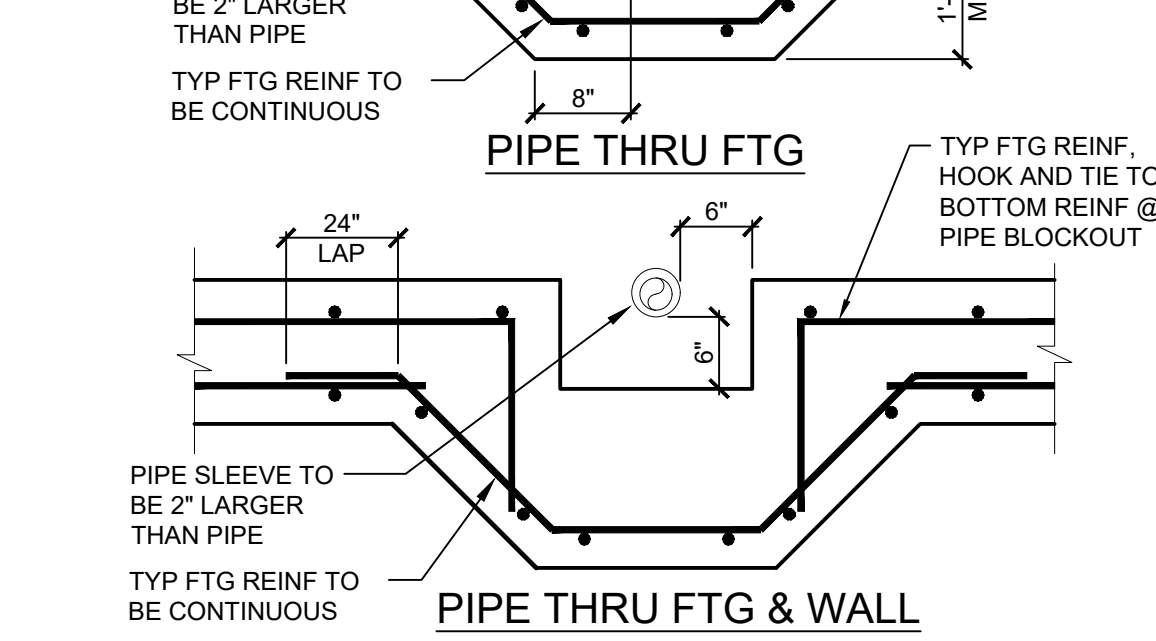
3 PLAN VIEW  
SCALE: 3/4"=1'-0"



4 ISOLATION JOINT DETAILS  
SCALE: 3/4"=1'-0"

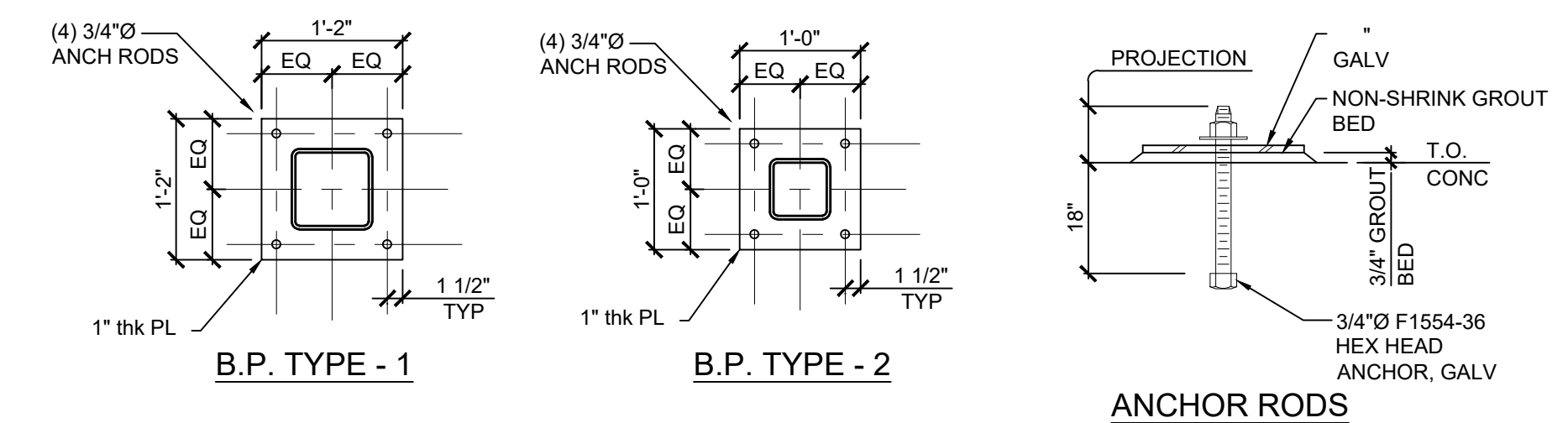


5 SECTION  
SCALE: 3/4"=1'-0"



6 SECTION  
SCALE: 3/4"=1'-0"

COLUMN SCHEDULE							
COLUMN MARK	A/4, A/6	B/1, B/9	B/3, B/5, B/7	C/2	D/8	A.6/1, A.8/1 A.6/9, A.8/9	B/2.2, B/2.4, B/3.6, B/7.6
T.O. COLUMN (+)24'-0"							
T.O. COLUMN (+)23'-9 1/2"							
B.O. COLUMN (+)13'-0"	HSS 8x8x1/4	HSS 8x8x1/4	HSS 8x8x1/4		HSS 8x8x1/4	HSS 8x8x1/4	HSS 8x8x1/4
B.O. COLUMN (+)12'-4" (MEZZ)						SEE 4/S3.3	SEE 4/S3.3
T.O. COLUMN (+)8'-0"				HSS 8x8x1/4	HSS 8x8x1/4		
FINISH FLOOR (+)0'-0"							
T.O. FDN (-)0'-8"							
T.O. FDN (-)1'-4"							
BASE PLATE	14"	14"	12"	14"	14"	10"	10"
B	14"	14"	12"	14"	14"	8"	6"
N	1"	1"	1"	1"	1"	3/4"	3/4"
THK							
BASE PLATE TYPE	TYPE 1	TYPE 1	TYPE 2	TYPE 1	TYPE 1		
ANCHOR BOLTS	(4) 3/4" DIA F1554-55 RODS	(4) 3/4" DIA F1554-55 RODS	(4) 3/4" DIA F1554-55 RODS	(4) 3/4" DIA F1554-55 RODS	(4) 3/4" DIA F1554-55 RODS		



7 SECTION  
SCALE: 3/4"=1'-0"

8 SECTION  
SCALE: 3/4"=1'-0"



VERIFY SCALE  
BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING

No.	Date	By	Description

Date: 02/05/2024  
Scale: NOTED  
Job No.: 725002  
Drawn: PMG / Appd.: PMG

Sheet Title:  
FOUNDATION DETAILS

Sheet No.  
**S2.2**















GENERAL NOTES

- 1. THE WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED IN ACCORDANCE WITH THE STRUCTURAL REQUIREMENTS OF THE PENNSYLVANIA UNIFORM CONSTRUCTION CODE (PA UCC), BASED UPON THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES ASCE 7-10.

- 2. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING, SHEETING, AND MAKE SAFE ALL FLOORS, ROOF WALLS, AND ADJACENT PROPERTY AS PROJECT CONDITIONS REQUIRE. SHORING AND SHEETING SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE PROJECT JURISDICTION HIRING PARTY SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR THE OWNER'S REVIEW.

Table with 2 columns: SNOW LOAD DESIGN DATA and WIND DESIGN DATA. Rows include Ground Snow Load, Flat Roof Snow Load, Snow Exposure Factor, etc.

- 3. THE STRUCTURAL COMPONENTS HAVE BEEN DESIGNED FOR THE FOLLOWING LIVE LOADS: FLOOR LIVES, MECHANICAL ROOMS, SLAB ON GRADE.

- 4. SOME DETAILS OF THE WORK ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. A CAREFUL REVIEW AND STUDY OF THESE DETAILS IS NECESSARY BEFORE THE FULL SCOPE OF THE WORK CAN BE COMPREHENDED.

- 5. STRUCTURAL MEMBERS SHOWN DEPCT SIZE AND APPROXIMATE LOCATIONS ONLY. ROOF CONFIGURATIONS, SLOPES, DIMENSIONS AND ELEVATIONS ARE TO BE VERIFIED AND COORDINATED BY THE CONTRACTOR WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.

- 6. PRINCIPAL OPENINGS IN THE STRUCTURE AND BUILDING ENVELOPE ARE SHOWN ON THE CONTRACT DOCUMENTS. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLEEVES, CURBS, INLETS, ETC. NOT INDICATED ON THESE DRAWINGS.

- 7. THIS STRUCTURE HAS BEEN DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE CONSTRUCTION OF THE BUILDING HAS BEEN COMPLETED. THE STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

- 8. JOB SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. REVIEW OF THE CONSTRUCTION BY THE ENGINEER IS FOR CONFORMANCE WITH DESIGN ASPECTS ONLY.

- 9. THE STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION AND COORDINATION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.

- 10. SPECIAL INSPECTIONS, AS REQUIRED BY THE PA UCC AND IBC, SHALL BE PERFORMED BY AN APPROVED AGENCY. IN CONTRACT WITH THE CONTRACTOR, THE CONTRACTOR SHALL COORDINATE THE REQUIRED SPECIAL INSPECTIONS WITH THE WORK AND SHALL NOT CONCEAL WORK UNTIL THE REQUIRED INSPECTIONS HAVE BEEN COMPLETED AND THE WORK APPROVED.

- 11. STRUCTURAL OBSERVATIONS PERFORMED BY THE ENGINEER DURING CONSTRUCTION DO NOT CONSTITUTE CONTINUOUS OR SPECIAL INSPECTION SERVICES. REQUIRED INSPECTIONS REMAIN THE RESPONSIBILITY OF THE BUILDING INSPECTOR OR TESTING AGENCY IDENTIFIED IN THE STRUCTURAL OBSERVATIONS PERFORMED BY THE ENGINEER DO NOT CONSTITUTE SUPERVISION OF CONSTRUCTION AND DO NOT GUARANTEE THE WORK OF THE CONTRACTOR.

- 12. IT IS EACH CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL WORK IN ACCORDANCE WITH THE FEDERAL, STATE, AND LOCAL LAWS, BYLAWS, ORDINANCES AND REGULATIONS IN ANY MANNER AFFECTING THE CONDUCT OF THIS WORK.

- 13. IF FAULTY CONSTRUCTION PROCEDURES, OR MATERIAL, RESULT IN DEFECTIVE WORK THAT REQUIRES ADDITIONAL ENGINEERING TIME TO DEVISE CORRECTIVE MEASURES, PROFESSIONAL FEES MAY BE CHARGED TO THE CONTRACTOR AT THE STANDARD HOURLY RATE OF ADDITIONAL SERVICES.

- 14. ALL EXISTING CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO BEGINNING ANY WORK. IF EXISTING CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE AN ACCURATE SKETCH OF THE CONDITION, INCLUDING A PROPOSED MODIFICATION OR CORRECTION, FOR REVIEW AND APPROVAL.

- 15. UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL STRUCTURAL STEEL, MISCELLANEOUS STEEL, AND LOOSE LINETS THAT ARE NECESSARY TO SUPPORT ALL ROOF TOP MOUNTED MECHANICAL EQUIPMENT.

- 16. THESE DRAWINGS ARE SUPPLEMENTED BY A DETAILED TECHNICAL SPECIFICATION. THE NOTES SHOWN ON THESE DRAWINGS UNDER CERTAIN CATEGORIES OF WORK ARE INTENDED TO SUMMARIZE BASIC REQUIREMENTS AND ARE ON THE DRAWINGS FOR CONVENIENCE.

- 17. THE CONTRACTOR'S CONSTRUCTION SEQUENCES SHALL ALLOW FOR THE EFFECTS OF THERMAL MOVEMENTS DURING THE CONSTRUCTION PERIOD, PRIOR TO THE BUILDING BEING ENCLOSED AND TEMPERATURE CONTROLLED.

FOUNDATION NOTES

- 1. THE FOUNDATIONS HAVE BEEN DESIGNED TO REST ON INORGANIC, UNDISTURBED SOIL, HAVING AN ALLOWABLE BEARING VALUE OF 2,000 PSF. SUCH BEARING STRATA IS ANTICIPATED AT THE BOTTOM OF FOOTING ELEVATIONS NOTED ON THE FOUNDATION PLAN.

- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LIMITING POURS TO MINIMIZE SHRINKAGE CRACKING. IN GENERAL, WALLS SHALL NOT BE POURED IN CONTINUOUS LENGTHS EXCEEDING 40 FEET.

- 3. EXCAVATIONS FOR SPREAD AND CONTINUOUS FOOTINGS SHALL BE CLEANED AND HAND TAMPED TO A UNIFORM SURFACE.

- 7. THE INSPECTION AND TESTING OF ALL SUBGRADE AND COMPACTED EARTHWORK SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE OWNERS GEOTECHNICAL CONSULTANT.

- 8. THE SLAB-ON-GRADE SUB-BASE SHALL BE A CRUSHER RUN STONE FREE FROM SOFT DISINTEGRATED PIECES, MUD, DIRT, OR OTHER INJURIOUS MATERIAL.

- 9. IN AREAS REQUIRING FILL OR BACKFILL, INCLUDING THE BACKFILLING OF FOUNDATION EXCAVATIONS, THE FILL MATERIAL SHALL BE A UNIFORM, GRADED SELECT STRUCTURAL FILL OF 2A MODIFIED, RECYCLED CONCRETE, OR EQUIVALENT MATERIAL.

- 29. SLABS ON GRADE SHALL BE REINFORCED WITH WELDED WIRE FABRIC AND FIBER REINFORCEMENT AS INDICATED ON THE CONTRACT DOCUMENTS.

CONCRETE

- 1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301 (LATEST EDITION), "SPECIFICATIONS FOR STRUCTURAL CONCRETE IN BUILDINGS" AND ACI 318 (LATEST EDITION), "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE."

- 2. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE AND SHALL DEVELOP A COMPRESSIVE STRENGTH OF 4,000 PSI 28 DAYS.

- 3. ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS, UNLESS OTHERWISE NOTED, MUST FOLLOW THE LATEST ACI CODE AND THE LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES."

- 4. CONCRETE MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. TOGETHER WITH LABORATORY REPORTS ATTESTING THAT THE MIXES CAN ATTAIN THE MINIMUM DESIGN STRENGTH REQUIRED IN ACCORDANCE WITH CHAPTER 5 OF ACI 301 (LATEST EDITION).

- 5. CONTRACTOR SHALL SUBMIT STEEL REINFORCING DRAWINGS THAT DETAIL FABRICATION, BENDING AND PLACEMENT. INCLUDE BAR SIZES, LENGTHS, MATERIAL, GRADE, BAR SCHEDULES, STIRRUP SPACING, BENT BAR DIAGRAMS, BAR ARRANGEMENTS, SPLICES AND LAPs, MECHANICAL CONNECTIONS, THE SPACING, HOOP SPACING AND SUPPORTS FOR CONCRETE REINFORCING.

- 6. NO ADMIXTURES ARE PERMITTED WITHOUT THE ENGINEER'S WRITTEN PERMISSION OTHER THAN ENTRAINED AIR. CONCRETE EXPOSED TO THE WEATHER, SUCH AS THAT USED IN FOUNDATION WALLS, SHALL CONTAIN 4% MIN. AND 6% MAX. ENTRAINED AIR.

- 7. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60. EPOXY COATED REINFORCING STEEL SHALL CONFORM TO ASTM A 775, GRADE 60.

- 8. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A 185, GRADE 60. EPOXY COATED WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A 884, GRADE 75.

- 9. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WITH A MINIMUM YIELD STRENGTH OF 75KSI AND SHALL BE SUPPLIED IN FLAT SHEETS. LAP TWO MESHES AT SIDES AND ENDS, AND WIRE TIE TOGETHER.

- 10. CONCRETE SLABS SHALL BE PROTECTED FROM LOSS OF SURFACE MOISTURE FOR NOT LESS THAN 7 DAYS BY USING A CURING COMPOUND CONFORMING TO ASTM C-309, BY WET BURLAP, OR A PLASTIC MEMBRANE.

- 11. NO WELDING OF REINFORCING BARS WILL BE PERMITTED.

- 12. GROUT SHALL BE NONSHRINKABLE GROUT CONFORMING TO ASTM C827, AND SHALL HAVE SPECIFIED COMPRESSIVE STRENGTH AT 28 DAYS OF 5000 PSI. PREGRROUTING OF BASE PLATES WILL NOT BE PERMITTED.

- 13. MIXING, TRANSPORTING AND PLACING OF CONCRETE SHALL CONFORM TO ACI 301 (LATEST EDITION).

- 14. MINIMUM CONCRETE COVER PROTECTION FOR REINFORCEMENT BARS SHALL BE AS FOLLOWS: (SEE ACI 318 (LATEST EDITION) SECTION 7.7 FOR CONDITIONS NOT NOTED)

Table with 2 columns: REBAR SIZE, LAP / SPLICE LENGTHS. Rows include #3, #4, #5, #6, #7, #8.

- 16. HORIZONTAL FOOTING REINFORCEMENT SHALL BE CONTINUOUS AND SHALL HAVE 90 DEGREE BENDS AND EXTENSIONS, OR CORNER BARS OF EQUIVALENT SIZE LAPPED 44 BAR DIAMETERS, AT CORNERS AND INTERSECTIONS.

CONCRETE MASONRY

- 1. ALL CONCRETE MASONRY WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 530/ASCE 5 (LATEST EDITION), "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES."

- 2. CONCRETE BLOCK SHALL BE NORMAL WEIGHT LOAD BEARING MASONRY UNITS CONFORMING TO ASTM C-90, GRADE N-1, WITH A MINIMUM (fm = 2,500psi) COMPRESSIVE STRENGTH OF 3,250 PSI ON THE NET AREA OF THE UNITS.

- 3. PROVIDE CONCRETE UNIT MASONRY THAT DEVELOPS A PRISMATIC STRENGTH EQUAL TO fm = 2,500 PSI OR BETTER. THE MINIMUM AVERAGE NET AREA COMPRESSIVE STRENGTH SHALL EQUAL 3,250 PSI.

- 4. MORTAR SHALL BE TYPE M OR S AND CONFORM TO ASTM C-270.

- 6. GROUT SHALL CONFORM TO ASTM C476 WITH A MIN. COMPRESSIVE STRENGTH OF 2,500 PSI.

- 7. GROUT SHALL CONFORM TO THE PROPORTIONAL REQUIREMENTS OF ASTM C476. PROVIDE FINE AND COARSE GROUTS APPROPRIATE FOR SIZE OF VOID SPACE BEING FILLED.

- 8. STEEL REINFORCING BARS SHALL CONFORM TO ASTM A 615, GRADE 60. JOINT (HORIZONTAL) REINFORCEMENT SHALL BE DUR-O-WALL TRUSS TYPE, OR AN APPROVED EQUAL.

- 9. MASONRY SHALL NOT BE CONSTRUCTED IN TEMPERATURES BELOW 40 DEG.F. PROVIDE A HEAT SOURCE AND PROTECTION AS REQUIRED TO MAINTAIN TEMPERATURE ABOVE 40 DEG.F.

- 10. ALL CELLS WITH REINFORCING BARS OR BOLTS SHALL BE GROUDED SOLID. ALL CELLS IN PARAPET MASONRY SHALL BE GROUDED SOLID.

- 12. REINFORCING BARS SHALL BE TIED TO DOWELS AND HELD IN THE PROPER POSITION BY MECHANICAL BAR POSITIONERS DESIGNED FOR THAT PURPOSE.

- 13. REINFORCING BARS SHALL NOT BE PLUNGED INTO WET GROUT.

- 14. REINFORCEMENT DESIGNATED AS "CONTINUOUS" SHALL LAP 40 BAR DIAMETERS MINIMUM AT SPLICES, UNLESS NOTED OTHERWISE:

Table with 2 columns: REBAR SIZE, LAP / SPLICE LENGTHS. Rows include #3, #4, #5, #6, #7, #8.

- 15. VERTICAL CELLS TO BE GROUDED SOLID SHOULD HAVE A MINIMUM CLEAR OPENING AS IDENTIFIED IN ACI 530 (LATEST EDITION) FOR FINE OR COARSE GROUT. COORDINATE GROUT FILL WITH OPENING SIZE AND THE REQUIREMENTS OF ASTM C476, AS NOTED ABOVE.

- 16. ALL MASONRY BEARING BENEATH STEEL BEAMS SHALL HAVE (2) #5 VERT. REINFORCING BARS (ONE PER CELL) AND ALL COURSES OF CMU FILLED WITH GROUT, UNLESS DETAILED OR NOTED OTHERWISE.

- 17. CONSOLIDATE GROUT POURS EXCEEDING 12 INCHES IN HEIGHT BY MECHANICAL VIBRATION AND RECONSOLIDATE BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED.

- 18. CERTIFICATES OF COMPLIANCE ARE REQUIRED TO BE SUBMITTED TO THE ARCHITECT AND ENGINEER FOR BLOCK GRADE, STRENGTH, GROUT, MORTAR, AND REINFORCING BARS PRIOR TO DELIVERY OF THE BLOCK.

- 19. ALL WALLS SHALL HAVE A BOND BEAM AT THE ROOF, WHICH TIES INTO THE VERTICAL REINFORCEMENT. BOND BEAMS SHALL BE PROVIDED AT THE TOPS OF ALL CMU WALLS AND AT HORIZONTAL INTERVALS NOT TO EXCEED EIGHTEEN (18) TIMES THE WALL (CMU) THICKNESS.

- 20. PROVIDE HORIZONTAL JOINT REINFORCING IN ALL MASONRY WALLS AT 16"oc VERTICALLY. JOINT REINFORCING SHALL BE 9 GAGE GALVANIZED TRUSS-TYPE WIRE, U.N.O. (SEE PLANS AND DETAILS FOR VERTICAL REINFORCING REQUIREMENTS).

- 21. PROVIDE #5 BAR VERTICALLY AROUND ALL MASONRY OPENINGS LARGER THAN 12 INCHES OR AS INDICATED ON DRAWINGS. FILL CELLS SOLID WITH GROUT.

- 22. PROVIDE (2) #6 BARS VERTICALLY AT ALL EXTERIOR CORNERS AND AT THE TERMINAL ENDS OF WALLS OR AS INDICATED ON DRAWINGS; FILL CELLS SOLID WITH GROUT.

- 23. PLACE REINFORCEMENT IN REQUIRED POSITION SECURING FROM DISPLACEMENT WITH WIRE TIES. LAP CONTINUOUS BARS 36 DIAMETERS.

- 24. PERPENDICULAR INTERSECTING WALLS SHALL BE TOOTHED TOGETHER OR HAVE THE HORIZONTAL TRUSS-TYPE WIRE REINFORCEMENT CONTINUOUS THROUGH THE INTERSECTION. NOTE: CORRUGATED STEEL METAL TAB ANCHORS ARE NOT ACCEPTABLE CONNECTORS AT INTERSECTING WALLS PER ACI-530 - EMPIRICAL DESIGN ANCHORAGE REQUIREMENTS.

- 25. LOAD BEARING CMU SHALL HAVE FULL MORTAR BED JOINTS.

- 26. PROVIDE LADDER-TYPE, HORIZONTAL, JOINT REINFORCEMENT AS FOLLOWS: TYPICAL: 16 IN C/C MAX. AT BELOW GRADE WALLS: PROVIDE # 8 IN C/C. AT WALL OPENINGS: PROVIDE ADDITIONAL REINF NOT MORE THAN 8 IN ABOVE AND BELOW OPENING. TERMINATE 2 FT BEYOND OPENING.

- 27. INSPECTION OF MASONRY CONSTRUCTION SHALL BE, AS OUTLINED IN TABLE 1704.5.1 OF THE PA UCC AND IBC 2018, AS LEVEL 2 SPECIAL INSPECTION.

STEEL DECK NOTES

- 1. STEEL DECK SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE CURRENT SPECIFICATION OF THE STEEL DECK INSTITUTE.

- 2. SHOP DRAWINGS SHALL INDICATE THE FINISH, TYPE, GAGE, DIMENSIONS, AND LAYOUT OF ALL DECK AND ACCESSORIES. DRAWINGS MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.

- 3. STEEL ROOF DECK TO BE ONE OF THE FOLLOWING TWO TYPES OF DECK: a. ROOF DECK OVER GYM, MULTI-PURPOSE ROOM, AND MAKER SPACE.

- 4. THE STEEL ROOF DECK SHALL BE SUPPLIED IN MINIMUM LENGTHS AS REQUIRED TO PROVIDE A "3 SPAN" CONDITION. END CLOSURES, ROOF SUMPS, CLOSURES AT PENETRATIONS, AND ALL OTHER ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION ARE REQUIRED.

- 5. STEEL ROOF DECK SHALL BE WELDED TO THE SUPPORTING STEEL (FRAME FASTENING) WITH 5/8" DIAMETER PUDDLE OR ELONGATED WELDS IN PATTERNS IDENTIFIED IN THE PROJECT SPECIFICATIONS.

- 6. REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION SHALL BE AS OUTLINED IN TABLE 1704.3 OF THE PA UCC AND IBC 2018.

STRUCTURAL STEEL

- 1. DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS," LATEST EDITION, AS ADOPTED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.

- 2. MATERIALS: a. STRUCTURAL STEEL ASTM A 992. b. STRUCTURAL STL TUBING, SQ & ROUND ASTM A 500 GRADE B. c. CHANNELS, PLATES AND ANGLES ASTM A 36. d. BOLTS ASTM F 1554-36. e. ANCHOR RODS ASTM F 1554-36. f. WELDING ELECTRODE ASTM E 70XX LOW HYDROGEN.

- 3. PROVIDE BITUMINOUS COATING AND/OR ISOLATION SLEEVE AND WASHERS / INSERTS BETWEEN ALL CONNECTIONS CONTAINING DISSIMILAR METALS.

- 4. ALL WELDING SHALL CONFORM TO THE CODE FOR THE ARC AND GAS WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY, AND BE PERFORMED BY A CERTIFIED WELDER IN ACCORDANCE WITH THE A.W.S. STANDARDS.

- 5. BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS SHALL BE AISC STANDARD DESIGNED FOR 125% OF THE FULL SHEAR CAPACITY OF THE BEAM CONNECTIONS NOT SHOWN ARE TO BE DETAILED BY THE FABRICATOR IN ACCORDANCE WITH THE AISC SPECIFICATION REFERRED TO IN NOTE ABOVE.

- 6. ALL STRUCTURAL STEEL BEAMS AND COLUMNS ADJACENT TO MASONRY ARE TO HAVE MASONRY WALL ANCHORS OF THE TYPE AND SIZE INDICATED IN THE SPECIFICATIONS AT 2'-0" ON CENTER, UNLESS NOTED OTHERWISE.

- 9. PROVIDE #1/2" DIAMETER HOLES FOR WOOD NAILERS AS REQUIRED BY ARCHITECTURAL DRAWINGS.

- 10. STRUCTURAL STEEL SHALL BE CLEANED IN ACCORDANCE WITH THE STEEL STRUCTURES PAINTING COUNCIL SPECIFICATION SP-342 FOR POWER TOOL CLEANING AND PAINTED TO A MINIMUM DRY FILM THICKNESS OF 2 MILS WITH A SHOP COAT OF TMEC #10-99 ALKYL D RUST INHIBITIVE PRIMER AS MANUFACTURED BY TMEC COMPANY, INC., OF KANSAS CITY, MO, OR AN APPROVED EQUAL.

- 11. ALL STRUCTURAL STEEL SUBJECTED TO EXTERIOR WEATHERING SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.

- 12. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE FABRICATION OF STRUCTURAL STEEL BOLTS, NUTS, WASHERS, AND WELD FILLER MATERIAL PRIOR TO THE FABRICATION OF ANY STEEL.

- 13. HIGH STRENGTH BOLTS IN CONNECTIONS USED FOR KICKERS AND BRACING MEMBERS THAT ARE FABRICATED WITH SLOTTED HOLES SHALL BE FULLY PRE-TENSIONED.

- 14. WEB STIFFENERS SHALL BE PROVIDED IN WF SHAPES AS FOLLOWS: COLUMN WEBS: AT FULLY DEVELOPED MOMENT CONNECTIONS. STIFFENERS SHALL BE FILLET WELDED U.N.O. SAME THICKNESS AND GRADE AS BEAM FLANGES. WHERE MOMENT CONNECTIONS OCCUR ON COLUMN FLANGES AND COLUMN WEBS, STIFFENER THICKNESS SHALL EQUAL THE VECTOR SUMMATION OF THE RESPECTIVE BEAM FLANGE THICKNESSES.

- 15. CERTIFICATES OF COMPLIANCE ARE REQUIRED TO BE SUBMITTED TO THE ENGINEER FOR STRUCTURAL STEEL BOLTS, NUTS, WASHERS, AND WELD FILLER MATERIAL PRIOR TO THE FABRICATION OF ANY STEEL.

- 16. SPlicing OF STRUCTURAL STEEL MEMBERS WHERE NOT DETAILED ON THE CONTRACT DOCUMENTS IS PROHIBITED WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION, TYPE OF SPLICE AND CONNECTION TO BE MADE.

- 17. BEAMS SHALL BE CAMBERED UPWARD WHERE SHOWN ON THE CONTRACT DOCUMENTS. WHERE NO UPWARD CAMBER IS INDICATED, ANY MILL CAMBER SHALL BE DETAILED UPWARD IN THE BEAMS.

- 18. HEADED CONCRETE ANCHORS SHALL BE NELSON OR KSM HEADED CONCRETE ANCHORS (OR APPROVED EQUAL), AND SHALL CONFORM TO ASTM A108. ANCHORS SHALL BE AUTOMATICALLY END WELDED WITH SUITABLE STUD WELDING EQUIPMENT IN THE SHOP OR IN THE FIELD. WELDING SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY OR THE KSM WELDING SYSTEMS COMPANY.

- 19. CONFORMANCE WITH THE RECOMMENDATIONS OF THE LENTON COMPANY.

- 20. PROVIDE POUR STOP MATERIAL WHERE NOT INDICATED ON PLANS AS REQUIRED FOR COMPLETING JOB.

- 21. PROVIDE LOOSE OR HANGING LINTELS NOT SHOWN ON DRAWINGS AS REQUIRED TO COMPLETE JOB. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS. CONTACT STRUCTURAL ENGINEER AS PER ANY DESIGN INFORMATION REQUIRED.

- 22. REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION SHALL BE AS OUTLINED IN TABLE 1704.3 OF THE PA UCC AND IBC 2018.

- 23. MECHANICAL FASTENING METHODS ARE PERMITTED IN LIEU OF WELDING. CONTRACTOR SHALL PROVIDE SUBMITTAL TO INDICATE SPECIFIC FASTENING SYSTEM AND DATA TO INDICATE THAT MECHANICAL FASTENERS MEET OR EXCEED THE DIAPHRAGM CAPACITY AND WELDING PATTERN DESCRIBED ABOVE, OR OTHER SPECIFIC REQUIREMENTS INDICATED.

STEEL BAR JOIST NOTES:

- 1. OPEN WEB STEEL JOISTS SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE CURRENT SPECIFICATION OF THE STEEL JOIST INSTITUTE.

- 2. JOISTS SHALL BE SUPPLIED WITH ALL ATTACHED DEVICES, BRIDGING, AND SIMILAR ACCESSORIES REQUIRED FOR STRICT CONFORMANCE WITH THE STEEL JOIST INSTITUTE'S SPECIFICATIONS. ALL OF THE ABOVE INFORMATION MUST BE SHOWN ON THE SHOP DRAWINGS.

- 3. JOISTS SHALL BE FIELD WELDED TO THEIR SUPPORTING MEMBERS BY A CERTIFIED WELDER AS DEFINED BY THE AMERICAN WELDING SOCIETY.

- 4. JOISTS AT ALL COLUMN LINES SHALL HAVE THEIR LOWER CHORDS EXTENDED AND SECURED TO THE COLUMN AFTER THE ALL OF THE BUILDINGS DEAD LOADS HAVE BEEN APPLIED, AND AS SHOWN ON THE CONSTRUCTION DRAWINGS.

- 5. WHEN CONSTRUCTING STEEL JOISTS ON MASONRY WALLS, SETTING PLATES SHOULD ALWAYS BE PROPERLY ANCHORED TO THE WALL. THE SETTING PLATE SHOULD BE INSTALLED NOT MORE THAN 1/2" FROM THE FACE OF THE WALL.

- 6. STAGGER JOISTS WHEN LESS THAN THE MINIMUM BEARING IS POSSIBLE ON A COMMON BEARING SURFACE.

- 7. JOISTS SHALL BE CLEANED IN ACCORDANCE WITH THE STEEL STRUCTURES PAINTING COUNCIL SPECIFICATION SP-345 AND PAINTED TO A MINIMUM FILM THICKNESS OF 1 MIL WITH A RED OXIDE PAINT IN ACCORDANCE WITH HSSC PAINT SPECIFICATION NO. 15, TYPE 1.

- 8. REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION SHALL BE AS OUTLINED IN TABLE 1704.3 OF THE PA UCC AND IBC 2018.

- 9. JOISTS AND BRIDGINGS MUST BE DESIGNED TO RESIST A NET UPLIFT LOADING OF 15 PSF. NO STRESS INCREASES ARE PERMITTED FOR LOAD COMBINATION EFFECTS.

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REBUILD - VINCENT G. PANATI PLAYGROUND for PPR/REBUILD PHILADELPHIA 3101-27 N 22ND ST, PHILADELPHIA, PA 19132

Table with 4 columns: No., Date, By, Description. Rows 1-27.

VERIFY SCALE 0 1 BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING

Date: 02/05/2024 Scale: NOTED Job No. 725002 Drawn: PMG Appd.: PMG

Sheet Title:

GENERAL NOTES

Sheet No.

S4.1



## HVAC SYMBOLS - DUCTWORK

	BREAK IN ROUND DUCT		ACCESS DOOR
	BREAK IN RECTANGULAR DUCT		FLEXIBLE CONNECTION
	SUPPLY AIR RISE		DUCT SMOKE DETECTOR
	SUPPLY AIR FLOOR OR ROOF PENETRATION		SMOKE/FIRE DAMPER
	SUPPLY AIR DROP		VOLUME DAMPER
	RETURN, EXHAUST, OR OUTSIDE AIR RISE		ATC CONTROL DAMPER
	RETURN, EXHAUST, OR OUTSIDE AIR FLOOR OR ROOF PENETRATION		BACKDRAFT DAMPER
	RETURN, EXHAUST, OR OUTSIDE AIR DROP		FIRE DAMPER WITH ACCESS DOOR
	TRANSITION IN RISE		90° RADIUS ELBOW
	BRANCH DUCT WITH TOP TAKE-OFF AND VOLUME DAMPER		45° RADIUS ELBOW
	RECTANGULAR DUCT SIZE (FIRST FIGURE = WIDTH)		90° ELBOW WITH TURNING VANES
	ROUND DUCT SIZE		BRANCH DUCT TAKE-OFF WITH VOLUME DAMPER
	ACOUSTICAL LINING		FLEXIBLE DUCT
	EXISTING DUCT		SLOT DIFFUSER
	EXISTING DUCT TO BE REMOVED (DEMO)		SIDE WALL DIFFUSER
	SUPPLY DIFFUSER		
	RETURN OR EXHAUST DIFFUSER		

## HVAC EQUIPMENT

	AIR HANDLING UNIT (INCLUDING HEATING & VENTILATING UNITS)		GRILLE, REGISTER, OR DIFFUSER
	CONDENSATE DRAIN PUMP (AIR CONDITIONING)		HUMIDIFIER
	DUCT COIL (ELECTRIC HEAT)		KITCHEN HOOD
	DEDICATED OUTDOOR AIR SYSTEM		LOUVER
	ELECTRIC HEATER (INCLUDES WALL HEATERS AND TOE-SPACE HEATERS)		MAKE-UP AIR UNIT
	EXHAUST FAN		ROOFTOP UNIT (AIR CONDITIONING AND HEAT PUMPS)
	HEAT PUMP (AIRSIDE, WATERSOURCE, AND MINI SPLIT)		

## HVAC ABBREVIATIONS

AC	AIR CONDITIONING	LAT	LEAVING AIR TEMPERATURE
AD	ACCESS DOOR	LAT CAP	LATENT CAPACITY
AFB	ABOVE FINISHED FLOOR	LBS	POUNDS
AFR	ABOVE FINISHED ROOF	LRA	LOCKED ROTOR AMPS
AMB	AMBIENT	LWT	LEAVING WATER TEMPERATURE
AP	ACCESS PANEL	MBH	1,000 BTU
APD	AIR PRESSURE DROP	MC	MECHANICAL CONTRACTOR
ATC	AUTOMATIC TEMPERATURE CONTROL	MCA	MINIMUM CIRCUIT AMPACITY
AWT	AVERAGE WATER TEMPERATURE	M.O.D.	MOTOR OPERATED DAMPER
BHP	BREAK HORSE POWER	MOP	MAXIMUM OVERCURRENT PROTECTION
BHP	BOILER HORSE POWER	MFR	MANUFACTURER
BMS	BUILDING MANAGEMENT SYSTEM	MHP	MAXIMUM HORSE POWER
BOD	BOTTOM OF DUCT	RNC	ROOM NOISE CRITERIA
BOP	BOTTOM OF PIPE	NC	NORMALLY CLOSED
BOS	BOTTOM OF STRUCTURE	NO	NORMALLY OPEN
BWE	BAKED WHITE ENAMEL	OA	OUTSIDE AIR
FA	FREE AREA	OC	ON CENTER
FM	CUBIC FEET PER MINUTE	OD	OUTSIDE DIAMETER
FOB	FLAT ON BOTTOM	OED	OPEN ENDED DUCT
FOT	FLAT ON TOP	PC	PLUMBING CONTRACTOR
FV	FACE VELOCITY	PD	PRESSURE DROP
COP	COEFFICIENT OF PERFORMANCE	PIR	PASSIVE INFRARED
CW	COLD WATER	PRV	PRESSURE RELIEF VALVE
DB	DRY BULB	PSIG	POUNDS PER SQUARE INCH GAUGE
EA	EXHAUST AIR	RA	RETURN AIR
EAT	ENTERING AIR TEMPERATURE	RH	RELATIVE HUMIDITY
EC	ELECTRICAL CONTRACTOR	RLA	RUN LOAD AMPS
EER	ENERGY EFFICIENCY RATIO	RPM	REVOLUTIONS PER MINUTE
EF	EXHAUST FAN	SA	SUPPLY AIR
EFF	EFFICIENCY	SS	STAINLESS STEEL
ESP	EXTERNAL STATIC PRESSURE	SST	SATURATED SUCTION TEMPERATURE
EWT	ENTERING WATER TEMPERATURE	SEER	SEASONAL ENERGY EFFICIENCY RATIO
EX	EXISTING	SEN CAP	SENSIBLE CAPACITY
EXT	EXTERIOR	SP	STATIC PRESSURE
FLA	FULL LOAD AMPS	T	THERMOMETER
FL DR	FLOOR DRAIN	TA	TRANSFER AIR
FT	FEET	TEMP	TEMPERATURE
FT HD	FEET OF HEAD	TOP	TOP OF GRILLE
GA	GAUGE	TOL	TOP OF LOUVER
HC	HVAC CONTRACTOR	TOT. CAP	TOTAL CAPACITY
HP	HORSE POWER	TSP	TOTAL STATIC PRESSURE
HTG	HEATING	TSTAT	THERMOSTAT
HW	HOT WATER	TW	TEPID WATER
HWR	HOT WATER RETURN	UC	UNDERCUT DOOR
ID	INSIDE DIAMETER OR IDENTIFIER	UNO	UNLESS NOTED OTHERWISE
IN	INCHES	V	VENT
INSUL	INSULATION	V/PH	VOLTS/PHASE/HERTZ
IN-WC	INCHES OF WATER COLUMN	VTR	VENT THRU ROOF
IR	INFRARED	W	WALL-MOUNTED
ISP	INTERNAL STATIC PRESSURE	WB	WET BULB
IW	INDIRECT WASTE	WPD	WATER PRESSURE DROP
KW	KILOWATT	WT	WEIGHT

## HVAC SYMBOLS - CONTROLS

	THERMOSTAT OR TEMPERATURE SENSOR		TEMPERATURE SENSOR WITH THERMAL WELL
	HUMIDISTAT OR HUMIDITY SENSOR		HUMIDISTAT OR HUMIDITY SENSOR
	REFRIGERANT LEAK SENSOR		DIFFERENTIAL PRESSURE SENSOR
	CARBON MONOXIDE SENSOR		FLOW SWITCH
	NATURAL GAS OR LP LEAK SENSOR		CONTROL PANEL
	CARBON DIOXIDE SENSOR		

## COMMON SYMBOLS

	PLAN NORTH		KEYNOTE
	SECTION ID		CONNECT TO EXISTING
	SHEET NO. WHERE SECTION IS DIRECTIONAL VIEW OF SECTION		EXISTING TO BE REMOVED
	REVISION CLOUD		EQUIPMENT TAG SHOWING TYPE AND ID. SEE EQUIPMENT SCHEDULES FOR DETAILS
	REVISION NUMBER		EXISTING TO REMAIN
	ELEVATION 100.00'		REMOVE EXISTING
			PROVIDE NEW

## HVAC GENERAL NOTES

- THE HVAC DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW THE APPROXIMATE LOCATIONS OF EQUIPMENT, PIPING, DUCTWORK AND ASSOCIATED SYSTEMS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATE THE INSTALLATION OF HVAC SYSTEMS WITH ACTUAL CONDITIONS IN THE FIELD.
  - PIPE AND DUCT ELEVATIONS ARE FOR REFERENCE ONLY. FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS
  - DUCT SIZES ARE MINIMUM CLEAR INSIDE DIMENSIONS.
  - COORDINATE INSTALLATION OF MECHANICAL WORK WITH ALL OTHER TRADES
  - MAINTAIN MANUFACTURERS RECOMMENDED SERVICE CLEARANCES
- THE CONTRACTOR SHALL COORDINATE THE SHUTDOWN AND REMOVAL OF EXISTING SYSTEMS AND EQUIPMENT AND THE INSTALLATION OF NEW SYSTEMS AND EQUIPMENT WITH THE PROJECT CONSTRUCTION PHASING SCHEDULE.
- PRIOR TO ORDERING MECHANICAL EQUIPMENT, VERIFY CLEARANCE FOR RIGGING EQUIPMENT THROUGH EXISTING DOORS, HATCHES, WINDOWS, AND SIMILAR EXISTING SPACE CONSTRAINT CONDITIONS. DISASSEMBLE AND RE-ASSEMBLE EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS WHERE EQUIPMENT DOES NOT CLEAR EXISTING OPENINGS.
- DO NOT RIG OR HOIST EQUIPMENT OR MATERIALS ABOVE OCCUPIED AREAS OF THE BUILDING.
- PROVIDE ALL METHODS AND MATERIALS FOR SUPPORTING EQUIPMENT, PIPING, AND DUCTWORK, IN AREAS OF BAR JOIST CONSTRUCTION. SUPPORT LOADS FROM TOP CHORD OF BAR JOISTS AT PANEL POINTS.
- UNLESS OTHERWISE INDICATED, THIS CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING OF THE EXISTING FACILITY FOR HIS RESPECTIVE WORK. PATCHING SHALL MATCH EXISTING MATERIALS, FINISHES, AND METHODS OF CONSTRUCTION.
  - PROVIDE LINTELS WHERE PENETRATING EXISTING MASONRY CONSTRUCTION, SUBMIT SHOP DRAWINGS ON LINTELS, INDICATING SIZE AND TYPE, FOR PENETRATIONS OF LOAD BEARING MASONRY WALLS.
  - CUTTING AND PATCHING OF THE ROOF SHALL BE PERFORMED BY AN AUTHORIZED SUB-CONTRACTOR CERTIFIED BY THE ORIGINAL ROOFING MANUFACTURER; ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH EXISTING WARRANTY REQUIREMENTS.
  - PROVIDE STEEL FRAMING ANGLES WHERE PENETRATING FLOOR AND ROOF DECKS; ANGLES SHALL BE MINIMUM 4" x 4" x 1/4" UNLESS NOTED OTHERWISE.
  - MODIFY EXISTING ROOF, FLOOR, AND WALL OPENINGS TO ACCOMMODATE THE INSTALLATION OF NEW EQUIPMENT AND SYSTEMS; PROVIDE ANGLE FRAMING FOR ROOF AND FLOOR PENETRATIONS, SLEEVES AND LINTELS FOR WALL PENETRATIONS. PATCH EXISTING ROOF, FLOOR, AND WALL OPENINGS TO MATCH EXISTING MATERIALS AND METHODS WHERE PENETRATIONS ARE NOT UTILIZED FOR NEW EQUIPMENT AND SYSTEMS.
  - WHERE CUTTING AND PATCHING IS INDICATED TO BE PERFORMED BY THE GENERAL CONTRACTOR, COORDINATE THE SIZE AND LOCATION OF OPENINGS.
  - REMOVE AND REINSTALL EXISTING ACOUSTICAL CEILING TILES AND CEILING GRID TO FACILITATE THE INSTALLATION OF DUCTWORK, PIPING, EQUIPMENT, AND CONTROLS.
  - UNLESS OTHERWISE INDICATED, CUT AND PATCH EXISTING PLASTER CEILING TO FACILITATE THE INSTALLATION OF DUCTWORK, PIPING, EQUIPMENT, AND CONTROLS.
- IMMEDIATELY NOTIFY THE ARCHITECT, ENGINEER, AND OWNER IF ENVIRONMENTAL HAZARDS SUCH AS ASBESTOS IS ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID DISTURBING EXISTING HAZARDOUS MATERIALS. THE MECHANICAL CONTRACTOR SHALL NOT PERFORM ABATEMENT WORK AS PART OF THIS CONTRACT.
- ALL MATERIAL EXPOSED WITHIN THE CEILING RETURN AIR PLENUMS SHALL BE NONCOMBUSTIBLE OR HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND A MAXIMUM SMOKE-DEVELOPED RATING OF 50. ALL DUCT TYPE, MASTICS, AND VIBRATION ISOLATION CONNECTIONS SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND SMOKE SPREAD RATING OF 50 OR LESS. DUCT COVERING AND LININGS SHALL NOT FLAME, GLOW, SMOLDER, OR SMOKE WHEN TESTED IN ACCORDANCE WITH ASTM C411 AND UL 181. FLEXIBLE DUCTWORK SHALL COMPLY WITH UL 181.
- PROVIDE UL LISTED FIRE PROOFING SEALANTS AROUND ALL DUCT, PIPING, AND CONDUIT PENETRATIONS OF RATED FIRE RESISTANT WALLS AND FLOORS. PROVIDE UL LISTED DRAFT STOPPING SEALANTS AROUND ALL DUCT, PIPING, AND CONDUIT PENETRATIONS OF NON-RATED FLOORS.
- PROVIDE ACOUSTICAL SEALS AROUND DUCTWORK AND PIPING PENETRATIONS OF ACOUSTICALLY RATED PARTITIONS.
- PRIME AND PAINT ALL FERROUS MATERIALS EXPOSED TO THE OUTDOORS. PRIME AND PAINT ADDITIONAL MATERIALS AS NOTED ON THE DRAWINGS. PRIMER AND PAINT SHALL BE SUITABLE FOR ITS INTENDED APPLICATION.
- COORDINATE MOUNTING HEIGHTS OF LOUVERS, BRICK VENTS, SIDEWALL GRILLES, AND WALL MOUNTED EQUIPMENT WITH THE ARCHITECTURAL EXTERIOR AND INTERIOR ELEVATIONS.
- PROVIDE AUTOMATIC AIR VENTS AT ALL HIGH POINTS IN HYDRONIC PIPING SYSTEMS; PROVIDE DRAIN VALVES AT ALL LOW POINTS.
- VERIFY REFRIGERANT PIPE SIZES WITH AIR-CONDITIONING EQUIPMENT MANUFACTURER.
- MOUNT THERMOSTATS AND SIMILAR CONTROL DEVICES 48" AFF.
- UNLESS OTHERWISE NOTED, SMOKE DETECTORS SHALL BE FURNISHED, WIRED, AND INSTALLED BY THE H.C. IN THE RETURN AIR DUCTS UPSTREAM OF ANY FILTERS, EXHAUST AIR CONNECTIONS, AND OUTDOOR AIR CONNECTIONS FOR ALL UNITS WITH A DESIGN CAPACITY OF 2000 CFM OR GREATER. SMOKE DETECTORS SHALL BE LABELED FOR INSTALLATION IN AIR DISTRIBUTION SYSTEM AND INSTALLED IN ACCORDANCE WITH NFPA 72.
- OUTSIDE AIR INTAKE OPENINGS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM LOT LINES, OTHER BUILDING, FUEL-FIRED APPLIANCE VENTS, PLUMBING VENTS, EXHAUST FAN DISCHARGE, OR FROM ANY OTHER SOURCE OF HAZARDOUS OR NOXIOUS CONTAMINANT.
- PERFORM START-UP EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURERS' WRITTEN START-UP INSTRUCTIONS OR IN CONJUNCTION WITH FACTORY AUTHORIZED TECHNICIANS. ADJUST AUTOMATIC TEMPERATURE CONTROLS TO ACHIEVE SATISFACTORY TEMPERATURE AND/OR HUMIDITY CONTROL AS APPLICABLE.
- PROVIDE WRITTEN NOTICE AT LEAST 3 DAYS PRIOR TO PERFORMING PIPING LEAK TESTS AND 7 DAYS PRIOR TO EQUIPMENT START-UP AND OPERATIONAL TESTS.
- UNLESS OTHERWISE INDICATED, ALL DUCTWORK SHALL BE OF SHEET METAL CONSTRUCTION WITH SEALED JOINTS. ROUND FLEXIBLE DUCTWORK SHALL BE LIMITED TO 6'-0" PER BRANCH DUCT
- DO NOT UTILIZE AIR HANDLING EQUIPMENT AND DUCTED SYSTEMS FOR TEMPORARY HEAT. OBTAIN WRITTEN APPROVAL FROM THE ENGINEER PRIOR TO PLACING EQUIPMENT INTO SUSTAINED OPERATION. CHANGE ALL AIR FILTERS 30 DAYS AFTER PROJECT COMPLETION.
- PROVIDE ACCESS DOORS IN WALLS AND CEILINGS FOR ALL SERVICEABLE DEVICES INCLUDING FIRE DAMPERS, SHUT-OFF VALVES, CONTROL VALVES, CONTROL DAMPERS, AND VOLUME DAMPERS. PROVIDE UL-LISTED ACCESS DOORS IN FIRE RESISTANCE RATED CONSTRUCTION.
- PROVIDE IDENTIFICATION OF MECHANICAL SYSTEMS AND EQUIPMENT INCLUDING DUCTWORK AND PIPING.
  - PROVIDE LOCATION / IDENTIFICATION MARKERS ON CEILING GRID OR ACCESS PANELS FOR SHUT-OFF VALVES, CONTROL VALVES, FIRE DAMPERS, SMOKE DETECTORS, AND OTHER SERVICEABLE DEVICES.

## COMMON ABBREVIATIONS

A/E	ARCHITECT/ENGINEER	HC	HVAC CONTRACTOR
AB CLG	ABOVE CEILING	HCP	HANDICAPPED
ABV	ABOVE	HGT	HEIGHT
AFB	ABOVE FINISHED FLOOR	HR	HOUR
AFI	ARC-FAULT INTERRUPTER	IR	INFRARED
AFR	ABOVE FINISHED ROOF	JB	JUNCTION BOX
ALT	ALTERNATE	KES	KITCHEN EQUIPMENT SUPPLIER
ATS	AUTOMATIC TRANSFER SWITCH	LV	LOW-VOLTAGE
BFC	BELOW FINISHED CEILING	MC	MECHANICAL CONTRACTOR
CIG	COUNTERTOP GFI	MCA	MINIMUM CIRCUIT AMPACITY
CD	CORD DROP	MOCPP	MAXIMUM OVERCURRENT PROTECTION
CL	CENTERLINE	MT	MULTITECHNOLOGY
CLG	CEILING	MO	MICROWAVE OVEN
CM	CEILING MOUNTED	NA	NOT APPLICABLE
COL	COLUMN	NE	NORMAL/EMERGENCY (NORMALLY ON)
CT	COUNTERTOP HEIGHT-44" AFF UNO OR CURRENT TRANSFORMER	NIC	NOT IN CONTRACT
CR	CORD REEL	NTS	NOT TO SCALE
DBF	DOWN BELOW FLOOR	OCFI	OWNER FURNISHED-CONTRACTOR INSTALLED
DET	DETAIL	PC	PLUMBING CONTRACTOR
DIA	DIAMETER	PIR	PASSIVE INFRARED
DIM	DIMENSION	REC	RECESSED
DL	DOOR LOUVER	SE	SERVICE ENTRANCE
DN	DOWN	SECT	SECTION
DW	DISHWASHER	SHT	SHEET
DWG	DRAWING	SIM	SIMILAR
EC	ELECTRICAL CONTRACTOR	SPD	SURGE PROTECTION DEVICE
EL	ELEVATION	SPEC	SPECIFICATION
ELEV	ELEVATOR	SS	SERVICE SINK
EMER	EMERGENCY	STD	STANDARD
EO	EMERGENCY ONLY (NORMALLY OFF)	SUSP	SUSPENDED
EWC	ELECTRIC WATER COOLER (PROVIDE GFI RECEPTACLE)	TBR	TO BE REMOVED
EX	EXISTING	TL	TASK LIGHT
FA	FIRE ALARM	TR	TAMPER RESISTANT
FBO	FURNISHED BY OWNER	TSTAT	THERMOSTAT
FLR	FLOOR	UNO	UNLESS NOTED OTHERWISE
FPC	FIRE PROTECTION CONTRACTOR	US	ULTRASONIC
FSC	FOOD SERVICE CONTRACTOR	W/	WITH
GC	GENERAL CONTRACTOR	W/O	WITHOUT
GFI	GROUND-FAULT INTERRUPTER	W	WALL-MOUNTED
GND	GROUND	WP	WEATHERPROOF

## COMMON SYMBOLS

	PLAN NORTH
	SECTION ID
	SHEET NO. WHERE SECTION IS DIRECTIONAL VIEW OF SECTION
	REVISION CLOUD
	REVISION NUMBER
	ELEVATION 100.00'
	DIRECTION OF VIEW
	SHEET NO. WHERE EL. IS DRAWN
	ELEVATION ID
	KEYNOTE
	DETAIL ID
	SHEET NO. WHERE DETAILS IS
	ROOM/SPACE NO.
	EQUIPMENT TAG SHOWING TYPE AND ID. SEE EQUIPMENT SCHEDULES FOR DETAILS
	PROVIDE NEW
	EXISTING TO REMAIN
	REMOVE EXISTING
	CONNECT TO EXISTING
	EXISTING TO BE REMOVED

## DRAWING LIST

P0.1	COVER SHEET
P1.1	SITE PLAN
P2.1	FLOOR PLAN- DRAINAGE
P2.2	ROOF & MEZZANINE PLANS
P3.1	FLOOR PLAN-SUPPLY
P7.1	DETAILS
P8.1	SCHEDULES
H0.1	COVER SHEET
H2.1	FLOOR PLAN
H2.2	ROOF PLAN
H7.1	DETAILS
H8.1	DETAILS & SCHEDULES
E0.1	COVER SHEET
E0.2	ELECTRICAL NOTES
E0.3	SITE PLAN - DEMOLITION
E0.4	SITE PLAN - NEW
E2.1	FLOOR PLAN - LIGHTING
E3.1	FLOOR PLAN - POWER
E4.1	FLOOR PLAN - LOW-VOLTAGE
E5.1	MEZZANINE PLANS
E7.1	DETAILS
E7.2	DETAILS
E7.3	DETAILS
E8.1	SCHEDULES

No.	Description	By	Date

Date: 02/05/2024  
Scale: AS NOTED  
Job No.: 725002  
Drawn: DMC Appd.: KSB

Sheet Title:

COVER SHEET

Sheet No.

H0.1



1

2

3

4

5

6

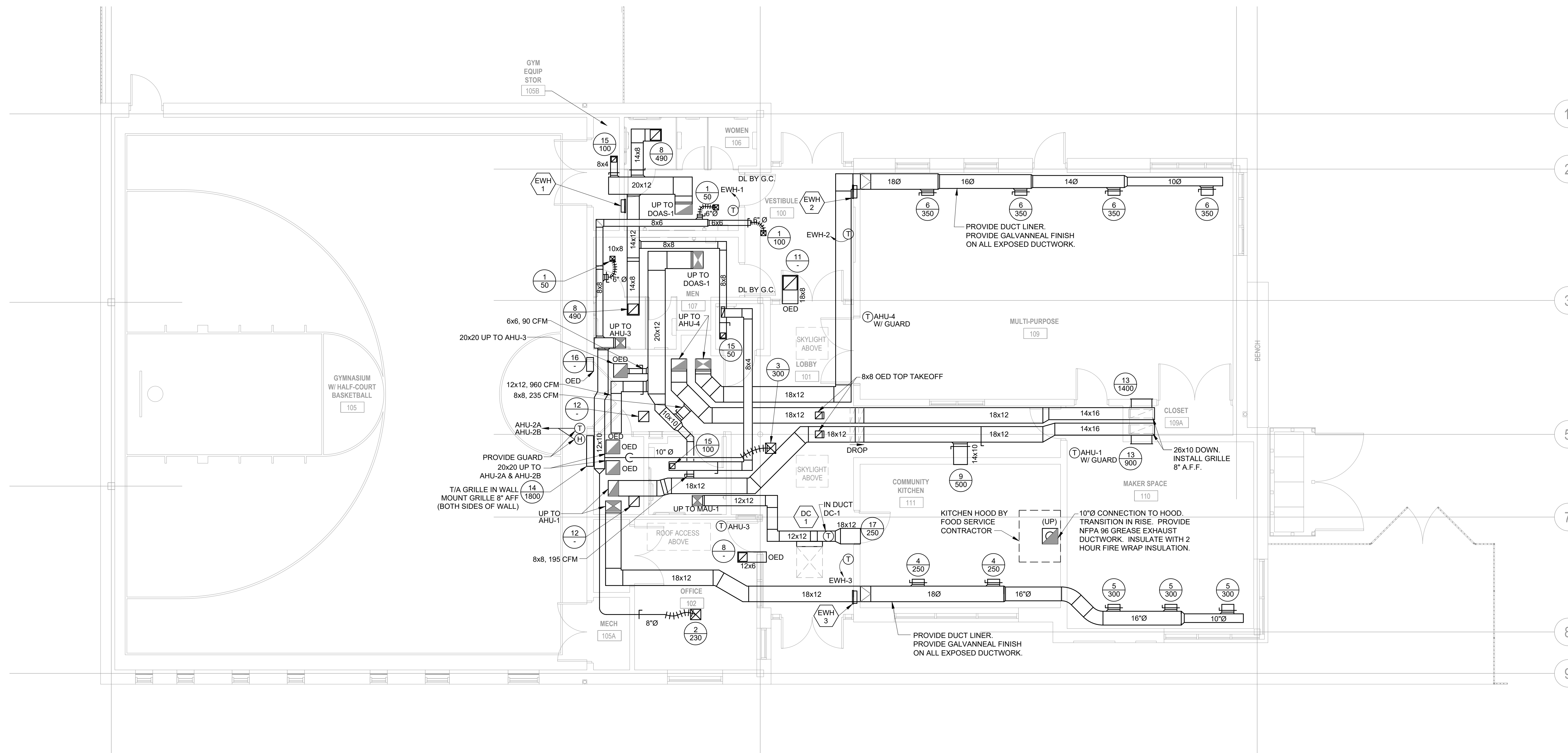
A

B

C

D

E



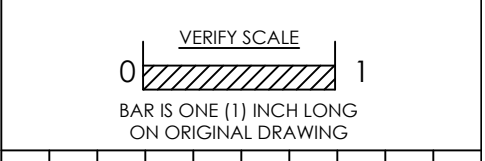
**FIRST FLOOR PLAN**  
 Scale: 3/16" = 1'-0"

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**PLAYGROUND**  
 for  
**PPR/REBUILD PHILADELPHIA**  
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No.	Date	By	Description

Date: 02/05/2024  
 Scale: AS NOTED  
 Job No.: 725002  
 Drawn: DMC Appd.: KSB

Sheet Title:  
**FLOOR PLAN**

Sheet No.  
**H2.1**

NOT FOR CONSTRUCTION















A

B

C

D

E

EQUIPMENT TYPES

Table listing equipment types: ATS (Automatic Transfer Switch), CB (Photovoltaic DC Combiner Box), CONT (Contactor), CP (Consolidation Point), DS (Disconnect Switch), ECB (Enclosed Circuit Breaker), HH (Handhole), IDF (Intermediate Distribution Frame), LCP (Lighting Control Panel), MCC (Motor Control Center), MS (Motor Starter), PDU (Power Distribution Unit), PNL (Electrical Panel), SWBD (Switchboard), SWGR (Switchgear), TRAN (Transformer), UPS (Uninterruptible Power Supply).

ELECTRICAL SYMBOLS

LIGHTING

Table of lighting symbols: S (Single Pole Switch), S3 (3-Way Switch), S4 (4-Way Switch), Sx (Rotary/Barrel Type Key Switch), Sza (Low-Voltage Lighting Control Switch, Zone a), Szt (Switch with Electronic Timer), Sdb (Dimmer Switch), Ssp (3-Way Switch with Locator LED), Ssm (Switch with Motion Sensor), Sdm (Dimmer Switch with Motion Detector), Smb (Emergency Battery Backup Unit), Sme (Emergency Heads), Ssa (Exit Sign, Arrows as Shown), SLa (Luminaires), SLaab (Luminaire Type a in Control Zone b), SLaH (Wall-Mount Luminaire), SLaE (Normal/Emergency Luminaire), SLaEM (Emergency-Only Luminaire), SLaMS (Motion Sensor - Ceiling-Mounted US), SLaMT (Motion Sensor - Ceiling-Mounted MT), SLaMSA (Motion Sensor - Aisle Type), SLaMSAS (Motion Sensor - Adjustable Swivel Neck - Corner Ceiling or Wall Mounted MT), SLaCDS (Ceiling Mounted Daylight Sensor), SLaXEM (Wall Mounted Room Controller with X 0-10V Relays, Emergency 924 Listed).

FIRE ALARM

Table of fire alarm symbols: S1 (Smoke Detector), S2 (Heat Detector), S3 (Combination Smoke and Heat Detector), SBT (Beam Smoke Detector Transmitter), SBR (Beam Smoke Detector Receiver), S2SD (Duct Smoke Detector), S2T (Firefighter Telephone Jack), S1A (Manual Pull Station), S1AV (Audio/Visual Alarm), S1AVC (Visual Alarm - Ceiling Mounted), S1AVVC (Voice/Visual Alarm), S1AVVC (Voice/Visual Alarm - Ceiling Mounted), S1A (Speaker), S1ACP (Fire Alarm Control Panel), S1A (Annunciator Panel), S1D (Door Holder), S1FSI (Flow Switch Interface), S1IIM (Input Interface Module), S1OIM (Output Interface Module), S1TSI (Tamper Switch Interface).

SECURITY

Table of security symbols: SC1 (Video Surveillance Camera 1 Data Jack Plus 1 Spare), SC360 (360° Video Surveillance Camera), SC180 (180° Video Surveillance Camera), SC90 (90° Video Surveillance Camera).

GENERAL ELECTRIC

Table of general electric symbols: Sp (Switch with Pilot Light), Sf (Fan Switch), MS (Motor Starter), DS (Disconnect Switch), DR (Combination Starter), DR (Duplex Receptacle), G (Ground Fault Interrupter), C (Countertop Height), E (Electrical Water Cooler - GFI), CM (Ceiling Mounted), W (Weatherproof), TR (Tamper Resistant), XY (NEMA X-Y), # (Mount # Above Finish Floor), S (Surface Mount), T (Television), U (USB), DR (Double-Duplex Receptacle), SR (Special Receptacle), @20 (Power Receptacle, Amperage), R (Range Receptacle), DR (Device in Concealed Recessed Floor Box), JB (Junction Box), TR (Transformer), H (Handhole), MH (Manhole), P (Power Pole), TC (Time Clock), HD (Hand Dryer), HD (Hair Dryer), R (Two-Compartment Surface Raceway, Provide 3/4" Conduit to High-Voltage and 1 1/4" to Low-Voltage Sections, for each 30' of Raceway), P (Panel), BH (Baseboard Heater), M (Motor), W (Wiring Concealed Except Where Run in Open Structure), W (Wiring Below Slab or Grade), E (Emergency System Wiring), P1-1 (Home Run/Circuit Tag), M (Multiconductor Wiring), CR (Conduit Rise), CD (Conduit Drop).

COMMUNICATIONS

Table of communications symbols: TV (Television Outlet, Provide User Interface Box and 1.25" Conduit to Accessible Ceiling), DN (Single Data Outlet, Provide 1-Gang Box and 3/4" Conduit to Accessible Ceiling), DN (Data Outlet with N Jacks, Provide 1-Gang Box and 3/4" Conduit to Accessible Ceiling), DN (Single Telephone Outlet, Provide 1-Gang Box and 3/4" Conduit to Accessible Ceiling), DN (Telephone Outlet with N Jacks, Provide 1-Gang Box and 3/4" Conduit to Accessible Ceiling), DN (Box with Blank Plate and Conduit to Accessible Ceiling Space for Future Device), DN (Wireless Communications System Antenna with 2 Data Jacks in Housing, Provide 1-Gang Box and 3/4" Conduit to Accessible Ceiling).

COMMON ABBREVIATIONS

Table of common abbreviations: A/E (Architect/Engineer), AB CLG (Above Ceiling), ABV (Above), AFF (Above Finished Floor), AFI (Arc-Fault Interrupter), AFR (Above Finished Roof), ALT (Alternate), ATS (Automatic Transfer Switch), BFC (Below Finished Ceiling), CIG (Countertop GFI), CD (Cord Drop), CL (Centerline), CLG (Ceiling), CM (Ceiling Mounted), COL (Column), CT (Countertop Height-44" AFF UNO or Current Transformer), CR (Cord Reel), DBF (Down Below Floor), DET (Detail), DIA (Diameter), DIM (Dimension), DL (Door Louver), DN (Down), DW (Dishwasher), DWG (Drawing), EC (Electrical Contractor), EL (Elevation), ELEV (Elevator), EMER (Emergency), EO (Emergency Only (Normally Off)), EWC (Electric Water Cooler (Provide GFI Receptacle)), EX (Existing), FA (Fire Alarm), FBO (Furnished by Owner), FLR (Floor), FPC (Fire Protection Contractor), FSC (Food Service Contractor), GC (General Contractor), GFI (Ground-Fault Interrupter), GND (Ground), HC (HVAC Contractor), HCP (Handicapped), HGT (Height), HR (Hour), IR (Infrared), JB (Junction Box), KES (Kitchen Equipment Supplier), LV (Low-Voltage), MC (Mechanical Contractor), MCA (Minimum Circuit Ampacity), MOCP (Maximum Overcurrent Protection), MT (Multitechnology), MO (Microwave Oven), NA (Not Applicable), NE (Normal/Emergency (Normally On)), NIC (Not in Contract), NTS (Not to Scale), OFCI (Owner Furnished - Contractor Installed), PC (Plumbing Contractor), PIR (Passive Infrared), REC (Recessed), SE (Service Entrance), SECT (Section), SHT (Sheet), SIM (Similar), SPD (Surge Protection Device), SPEC (Specification), SS (Service Sink), STD (Standard), SUSP (Suspended), TBR (To Be Removed), TL (Task Light), TR (Tamper Resistant), TSTAT (Thermostat), UNO (Unless Noted Otherwise), US (Ultrasonic), W (With), W/O (Without), W (Wall-Mounted), WP (Weatherproof).

COMMON SYMBOLS

Table of common symbols: PLAN NORTH, SECTION ID (A), SHEET NO. WHERE SECTION IS (H1.1), DIRECTIONAL VIEW OF SECTION, REVISION CLOUD, REVISION NUMBER, ELEVATION (100.00'), DIRECTION OF VIEW, SHEET NO. WHERE EL. IS DRAWN (H1.1), ELEVATION ID, KEYNOTE (1), DETAIL ID (H1.1), SHEET NO. WHERE DETAIL IS (H1.1), ROOM/SPACE NO. (101), EQUIPMENT TAG SHOWING TYPE AND ID. SEE EQUIPMENT SCHEDULES FOR DETAILS, PROVIDE NEW, EXISTING TO REMAIN, REMOVE EXISTING, CONNECT TO EXISTING, EXISTING TO BE REMOVED.

DRAWING LIST

Table of drawing list: P0.1 COVER SHEET, P1.1 SITE PLAN, P2.1 FLOOR PLAN- DRAINAGE, P2.2 ROOF & MEZZANINE PLANS, P3.1 FLOOR PLAN-SUPPLY, P7.1 DETAILS, P8.1 SCHEDULES, H0.1 COVER SHEET, H2.1 FLOOR PLAN, H2.2 ROOF PLAN, H7.1 DETAILS, H8.1 DETAILS & SCHEDULES, E0.1 COVER SHEET, E0.2 ELECTRICAL NOTES, E0.3 SITE PLAN - DEMOLITION, E0.4 SITE PLAN - NEW, E2.1 FLOOR PLAN - LIGHTING, E3.1 FLOOR PLAN - POWER, E4.1 FLOOR PLAN - LOW-VOLTAGE, E5.1 MEZZANINE PLANS, E7.1 DETAILS, E7.2 DETAILS, E7.3 DETAILS, E8.1 SCHEDULES.

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VERIFY SCALE 0 1 BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING

Table with columns: No., Date, By, Description.

Date: 02/05/2024 Scale: AS NOTED Job No.: 725002 Drawn: JCR Appd.: MCD

Sheet Title: COVER SHEET

Sheet No. E0.1

NOT FOR CONSTRUCTION



ELECTRICAL NOTES

A. General Requirements

- 1. Work shall be in accordance with NFPA 70 (the National Electrical Code)...

B. Demolition and Connections to Existing Equipment

- 1. Disconnect and remove electrical service.

C. Utility Services

- 1. Coordinate installation of permanent electric utility service entrance with utility company.

D. Basic Materials and Methods

- 1. Wire shall be copper THHW, THWN or XHHW. Ampacity shall be based on 75C ratings...

- 1. Use conductors in conduit from panelboard to room with termination.

- 19. Provide plastic bushings wherever conductors would otherwise be exposed to threaded metal fittings.

- 19. Support cables, conduits, and junction boxes rigidly and securely with heavy duty clamps and anchors listed for the application and installed according to their listing.

E. Grounding and Bonding

- 1. Provide grounding and bonding as below, in addition to requirements of NEC.

F. Surface Raceway

- 1. Use Wiremold ALA4800-series or equal, aluminum, two-channel system.

G. Wiring Devices

- 1. Standard switches shall be ivory or as directed, extra heavy-duty industrial grade, 277V, 20A, manufactured by Leviton, Arrow Hart or Pass & Seymour.

- groups of devices. Plates shall be square and true, with the edges of the plate in continuous contact with the wall, tamper-resistant hardware.

H. Distribution Equipment

- 1. Distribution equipment shall be manufactured by Cutler-Hammer, GE/ABB, Siemens, or Square D.

I. Lighting Control Devices

- 1. These controls function within a room and are not networked with the rest of the building.

J. Lighting Control Panels

- 1. Lighting control panels shall provide relay-based control of 20A, 120/277V lighting circuits.

- Standard manufacturer's information on all components, including signal wiring.

K. Lighting

- 1. Provide submittals for each luminaire. When a luminaire is proposed as a substitute for that specified, provide photometric report for the exact model proposed.

L. Emergency Lighting

- 1. Provide emergency lighting equipment as specified on the drawings.

M. Teledata Wiring System

- 1. Provide a unified teledata wiring system, with a link for each telephone and data jack shown on the drawings.

- Provide as-built plans with each location shown, indicating the label used and the number of jacks.

N. Television Distribution

- 1. Not in scope of work.

O. Paging System and Public Address System

- 1. Not in scope of work.

P. Multimedia

- 1. Not in scope of work.

Q. Clock

- 1. Not in scope of work.

R. Access Control

- 1. Not in scope of work.

S. Intrusion Detection

- 1. Not in scope of work.

T. Video Surveillance

- 1. Provide IP video surveillance system with cameras, supports, monitor and NVR. See specification section 282300 - Video Surveillance for additional requirements.

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Table with 4 columns: No., Date, By, Description

Date: 02/05/2024 Scale: AS NOTED Job No.: 725002 Drawn: JCR Appd.: MCD

Sheet Title: ELECTRICAL NOTES

Sheet No.

NOT FOR CONSTRUCTION E0.2







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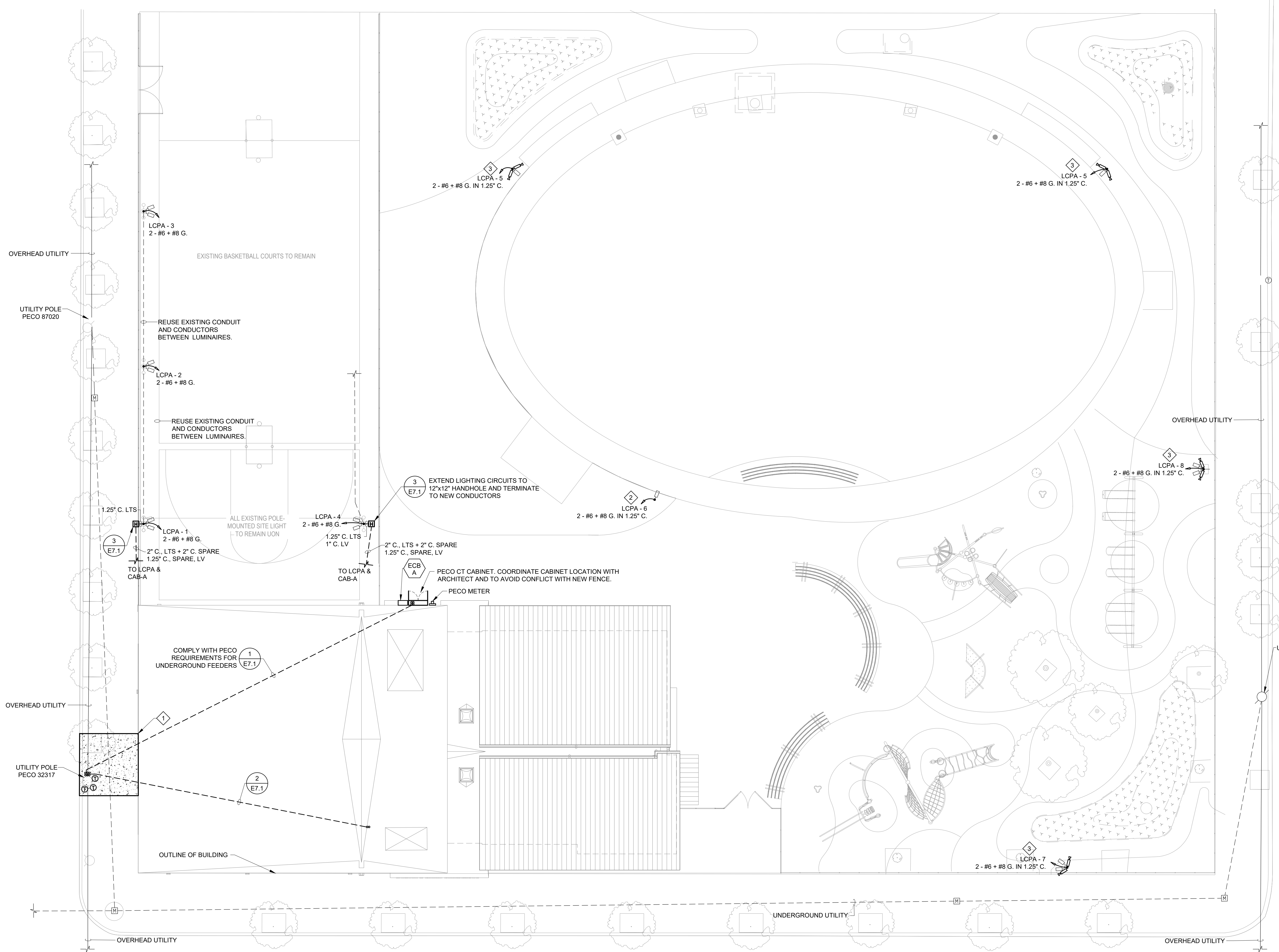
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**SITE PLAN - NEW**

Scale: 1" = 10'-0"

**PLAN NOTES**

- EXISTING UNDERGROUND CONDUIT LOCATIONS UNKNOWN. PROVIDE GROUND PENETRATING RADAR TO DETERMINE FINAL LOCATION & DEPTH OF EXISTING UNDERGROUND CONDUITS.
- SEE ALTERNATE #5 FOR WORK ASSOCIATED WITH REPLACING EXISTING OUTDOOR POLE MOUNTED CAMERAS WITH NEW.

**KEY NOTES**

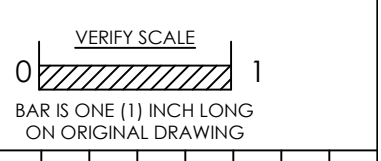
- SAW CUT AND REMOVE SIDEWALK FOR UNDERGROUND DUCT BANK WORK. PROVIDE NEW, MEANS, MATERIALS & METHODS TO MATCH EXISTING SIDEWALK.
- EXISTING SITE LUMINAIRE. EXTEND EXISTING CONDUITS TO BUILDING. FIELD VERIFY CONDUIT SIZES AND LOCATION. PROVIDE NEW SITE LIGHTING CIRCUIT FROM NEW ELECTRIC ROOM. NEW CONDUCTORS SHALL BE MATCH THE CABLE DIAMETER OF THOSE REMOVED.
- EXISTING SITE LUMINAIRE. EXTEND EXISTING CONDUITS TO BUILDING. FIELD VERIFY CONDUIT SIZES AND LOCATIONS. PROVIDE NEW LIGHTING CIRCUIT AND CAMERA CABLES FROM NEW ELECTRIC ROOM AND DATA CLOSET. NEW CONDUCTORS AND CABLES SHALL MATCH THE CONDUCTOR AND CABLE DIAMETER OF THOSE REMOVED. SEE TYPICAL SITE CAMERA WIRING DETAIL FOR ADDITIONAL REQUIREMENTS.

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Date: 02/05/2024  
 Scale: AS NOTED  
 Job No.: 725002  
 Drawn: JCR Appd.: MCD

Sheet Title:  
**SITE PLAN - NEW**

Sheet No.  
**E0.4**

NOT FOR CONSTRUCTION







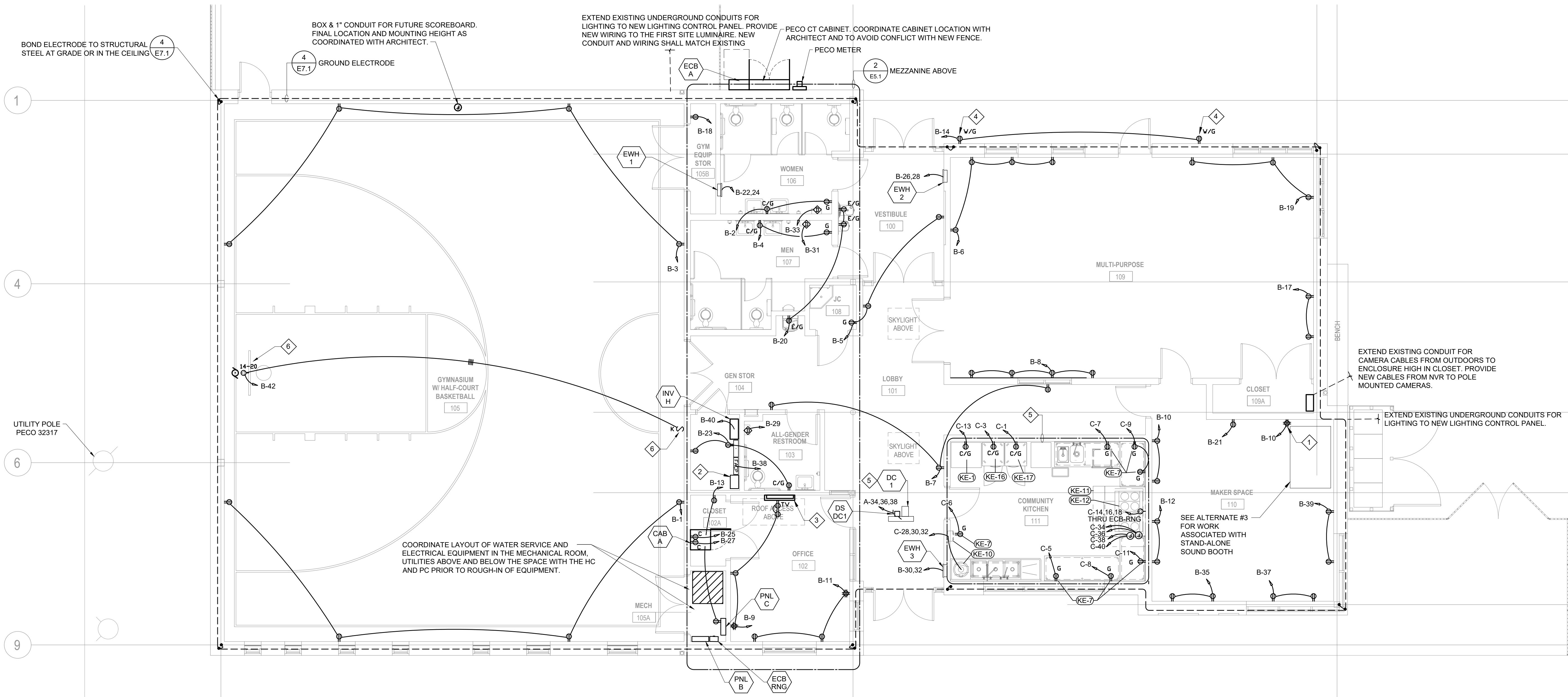
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**FLOOR PLAN - POWER**

Scale: 3/16" = 1'-0"

**Community Kitchen Electrical Schedule**

Tag	Equipment Type	Wiring	Mounting	Comments
KE-1	Residential refrigerator	2 - #12 + #12 gnd. in 3/4" C.	Mount at 48" AFF	NEMA 5-20R GFI
KE-7	General Purpose Receptacles	2 - #12 + #12 gnd. in 3/4" C.	Mount at 18" AFF	NEMA 5-20R GFI
KE-10	Food Waste Disposer	3 - #10 + #10 gnd. in 3/4" C.	Hardwire	through disconnect/controller
KE-11	Exhaust Hood	8 - #10 + #10 gnd. in 1" C.	Hardwire	Provide remote ADA accessible on/off of fan and light switches
KE-12	Range	4 - #6 + #8 gnd. in 1.25" C.	Mount at 24" AFF	NEMA 14-50R with matching 6' cord and plug, fed from PNL C thru ECB-RNG (shunt trip type) to NEMA-14-50R, shunt trip control from hood, coordinate shunt control voltage with hood installer.
KE-16	Reach-in freezer	2 - #12 + #12 gnd. in 3/4" C.	Mount at 48" AFF	NEMA 5-20R GFI
KE-17	Reach-in refrigerator	2 - #12 + #12 gnd. in 3/4" C.	Mount at 48" AFF	NEMA 5-20R GFI

Electrical device locations shown for reference. Coordinate rough-in of electrical device, control and wiring with kitchen equipment installer and electrical rough-in kitchen drawings. Switches, controls and electrical devices shall be ADA accessible, coordinate layout of switches, devices and controls with kitchen equipment installer and Architect to ensure compliance.

**PLAN NOTES**

- RECEPTACLES SHALL BE TAMPER RESISTANT TYPE.
- SEE SITE PLAN FOR ELECTRIC UTILITY REQUIREMENTS.

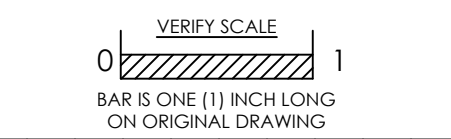
**KEY NOTES**

- FIELD COORDINATE FINAL LOCATION OF CONNECTION AND TYPE OF CONNECTION TO RECORDING BOOTH WITH THE BOOTH INSTALLER.
- REMOTE MANUAL SWITCH CONTROLS FOR EXISTING BASKETBALL COURT LIGHTING AND SECURITY LIGHTING.
- CAMERA SYSTEM LOW-PROFILE MONITOR MOUNTED IN LOW-PROFILE SEE THROUGH VANDAL PROOF ENCLOSURE. COORDINATE FINAL LOCATION WITH PPR, AVOID LOCATIONS THAT IS IN CONFLICT WITH FURNITURE, DOORS SWINGS, AND ROOF HATCH ACCESS.
- PROVIDE CAST METAL HEAVY DUTY IN-USE COVER CAPABLE OF BEING LOCKED.
- SEE ALTERNATE #3 FOR WORK ASSOCIATED WITH KITCHEN EQUIPMENT.
- PROVIDE POWER AND CONTROL WIRING TO POWERED GYM EQUIPMENT SYSTEM, INCLUDING BOX AND CONDUIT TO SWITCH AND RECEPTACLE AND TERMINATIONS. COORDINATE REQUIREMENTS FOR WIRING, DEVICES, AND LOCATIONS WITH THE POWERED GYM EQUIPMENT SYSTEM INSTALLER. WIRING SHALL BE RECESSED IN THE WALLS AND FLOORS AND IN CONDUIT IN THE CEILING SPACE, CUSTOM PAINTED TO MATCH ADJACENT SURFACES.

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No.	Date	By	Description

Date: 02/05/2024  
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Sheet Title:  
**FLOOR PLAN - POWER**

Sheet No.  
**E3.1**



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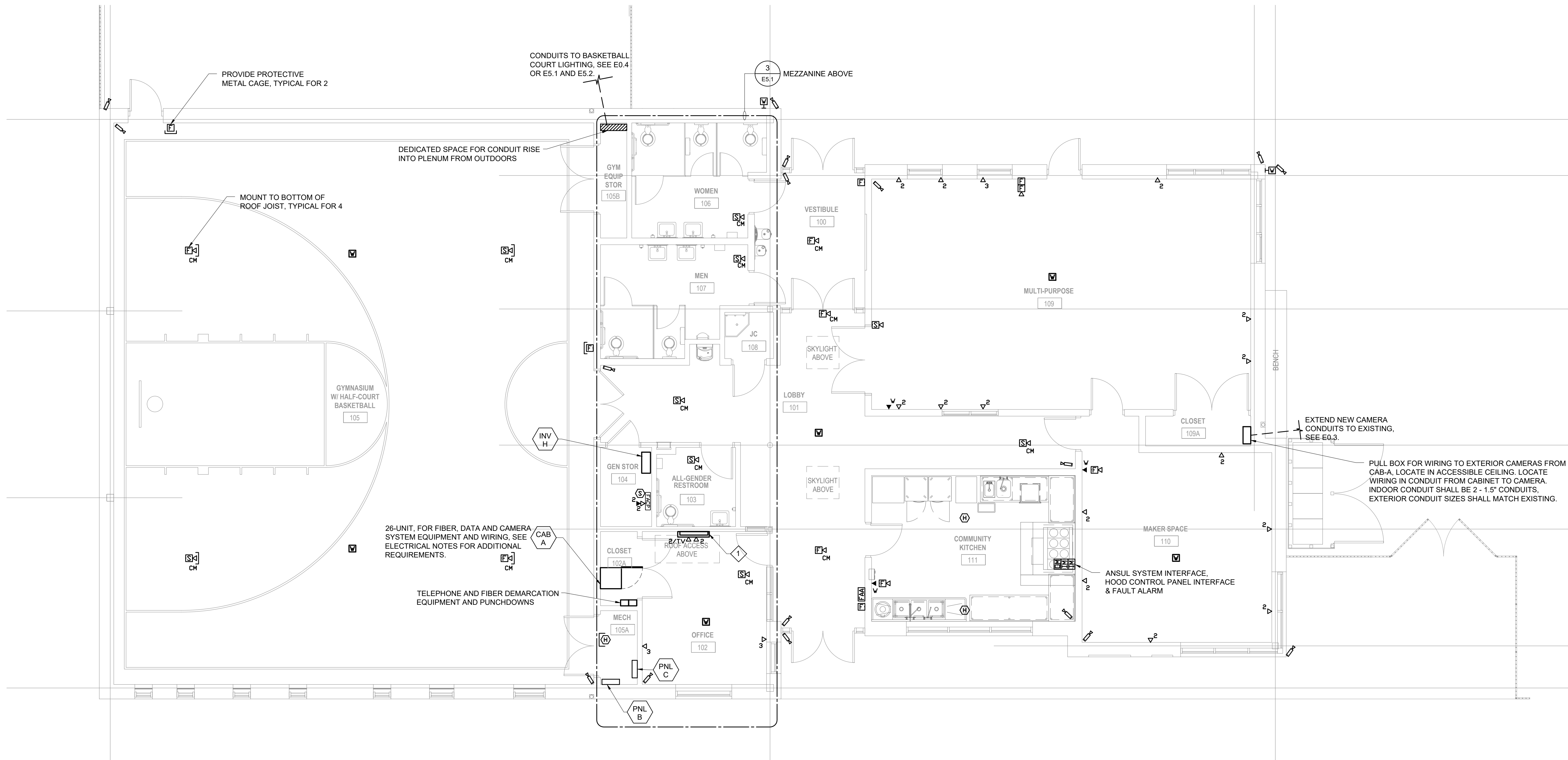
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**FLOOR PLAN - LOW-VOLTAGE**

Scale: 3/16" = 1'-0"

**PLAN NOTES**

- COORDINATE FINAL LOCATION OF DATA & TELEPHONE JACKS WITH OWNER.
- COORDINATE FINAL LOCATION, MOUNTING HEIGHT & AIMING OF CAMERAS WITH OWNER.

**KEY NOTE**

1 CAMERA SYSTEM LOW-PROFILE MONITOR MOUNTED IN LOW-PROFILE SEE THROUGH VANDAL PROOF ENCLOSURE. COORDINATE FINAL LOCATION WITH PPR, AVOID LOCATIONS THAT IS IN CONFLICT WITH FURNITURE, DOORS SWINGS, AND ROOF HATCH ACCESS. PROVIDE BOX AND CONDUIT TO ACCESSIBLE CEILING FOR FUTURE ADDITIONAL WIRING.

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VERIFY SCALE  
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 BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING

No.	Date	By	Description

Date 02/05/2024  
 Scale: AS NOTED  
 Job No. 725002  
 Drawn: JCR Appd.: MCD

Sheet Title:  
 FLOOR PLAN - LOW-VOLTAGE

Sheet No.

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**E4.1**



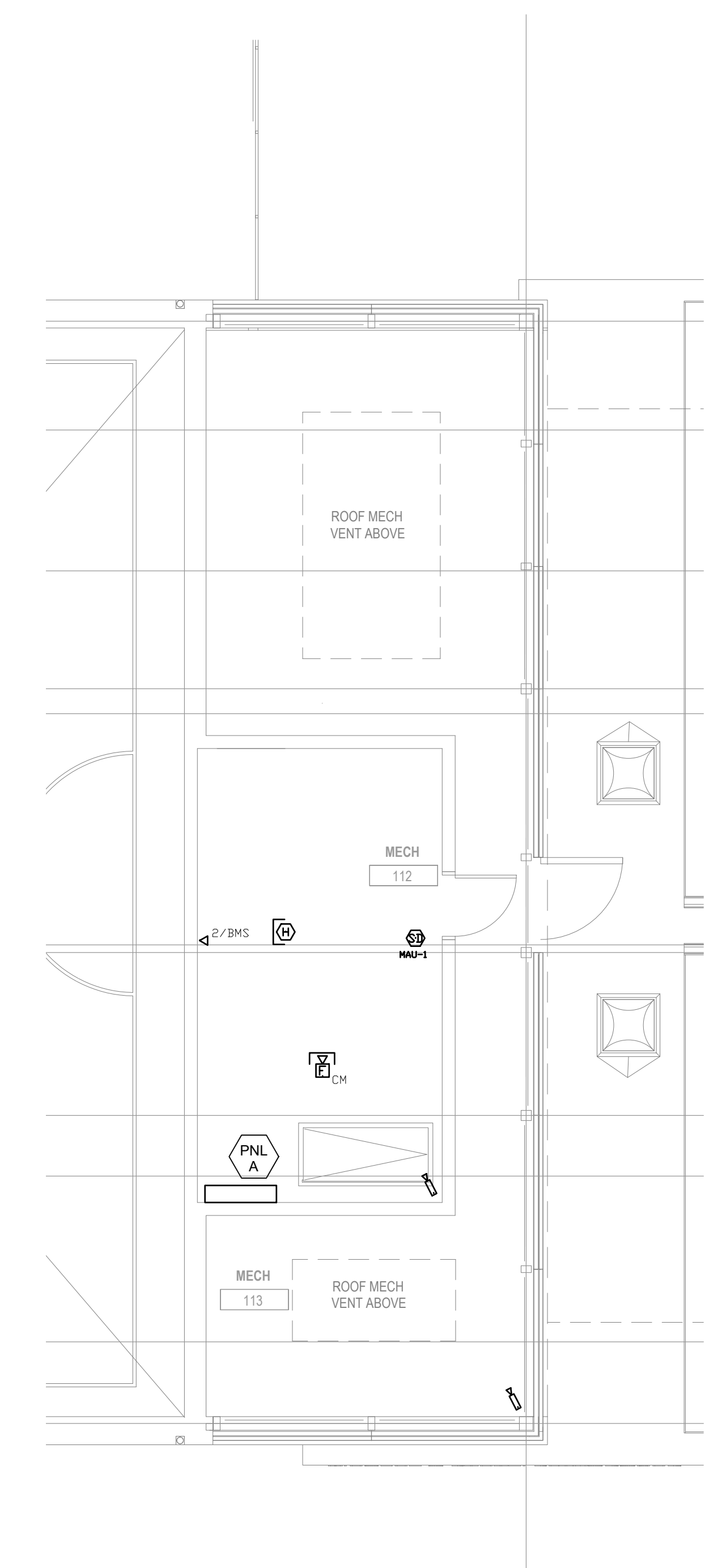
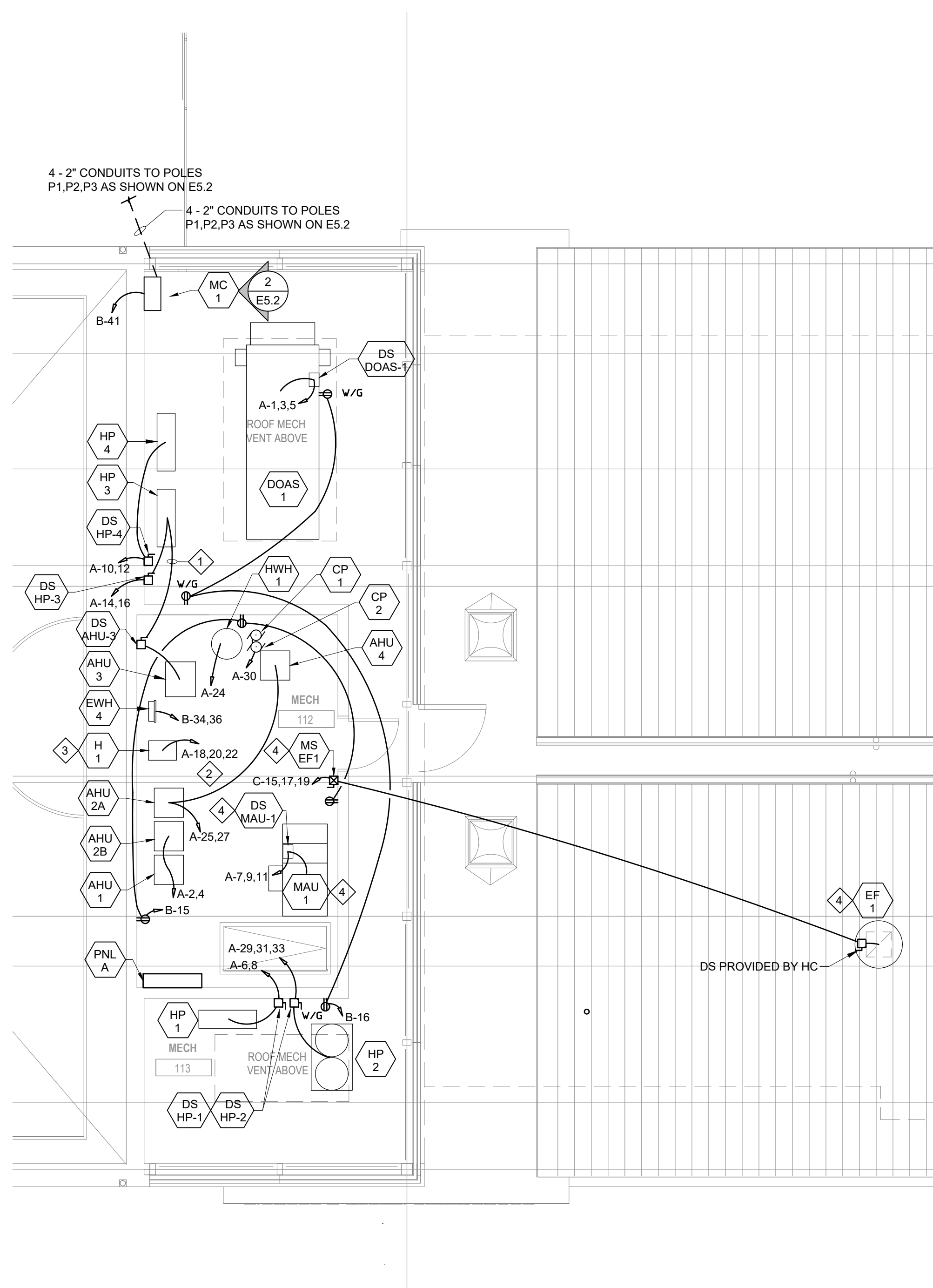
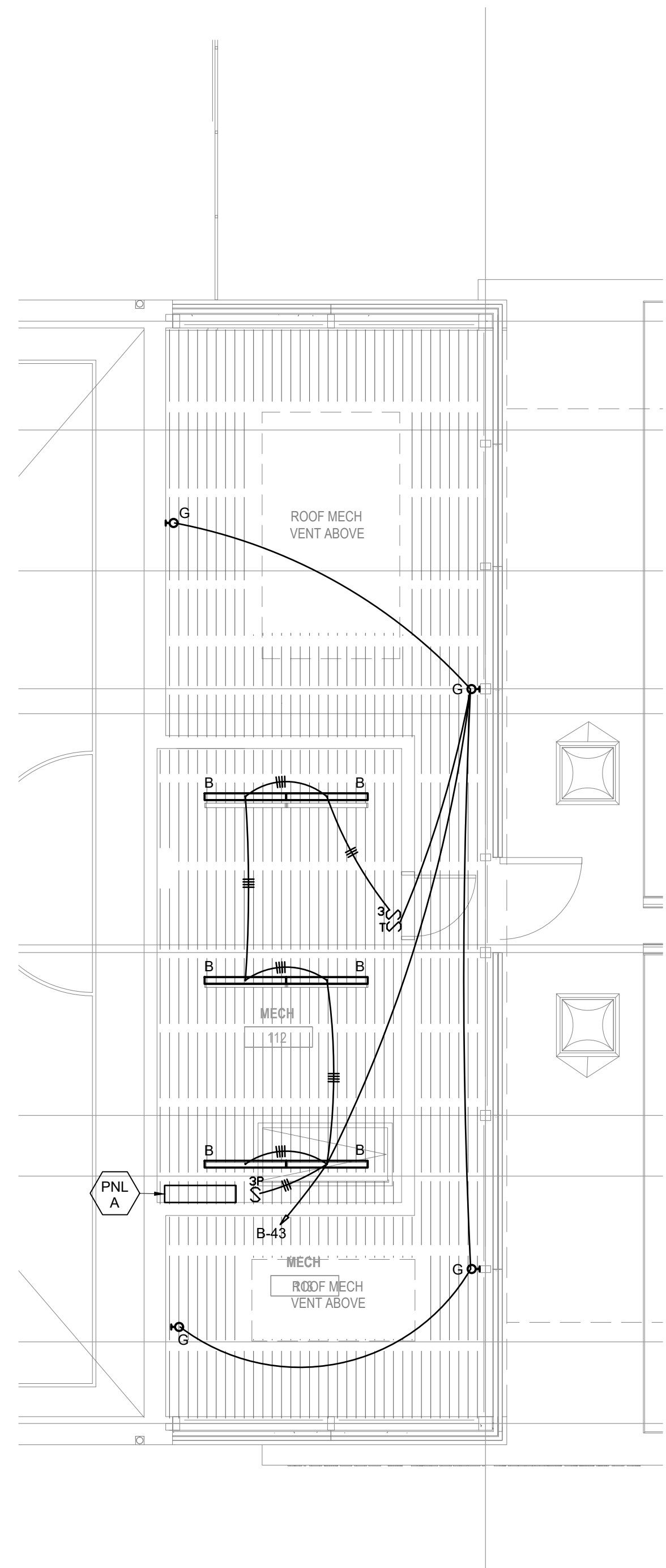
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**MEZZANINE PLAN - LIGHTING**  
 Scale: 3/16" = 1'-0"

**MEZZANINE PLAN - POWER**  
 Scale: 3/16" = 1'-0"

**MEZZANINE PLAN - LOW VOLTAGE**  
 Scale: 3/16" = 1'-0"

**PLAN NOTE**

1. PROVIDE 3/4" CONDUIT BETWEEN OUTDOOR HEAT PUMPS AND ASSOCIATED INDOOR AIR HANDLING UNITS FOR HC PROVIDED CONTROL WIRING.

**KEY NOTES**

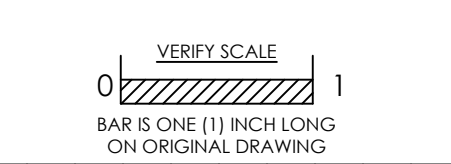
1. PROVIDE 3 - #10 + #10G IN 3/4" CONDUIT BETWEEN OUTDOOR HP-3 AND ASSOCIATED INDOOR AHU-3. PROVIDE CONTROL WIRING BETWEEN OUTDOOR AND INDOOR UNIT. TERMINATIONS SHALL BE MADE IN DS-AHU-3.
2. PROVIDE 3 - #10 + #10G IN 3/4" CONDUIT.
3. SEE ALTERNATE #1A & #1B FOR WORK ASSOCIATED WITH GYM WOOD FLOORING.
4. SEE ALTERNATE #4 FOR WORK ASSOCIATED WITH KITCHEN EQUIPMENT.

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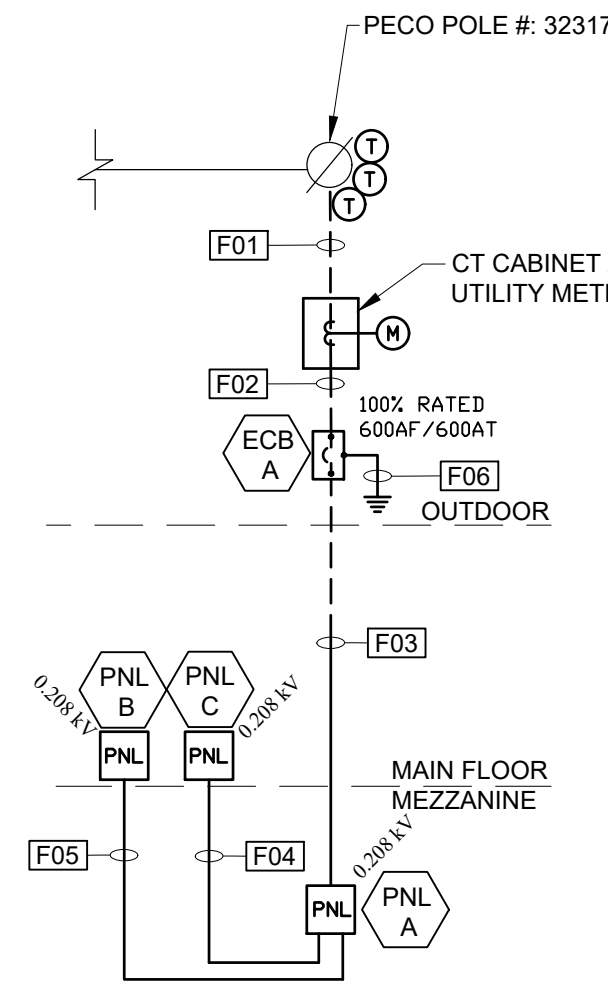
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 Job No. 725002  
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Sheet Title:  
**MEZZANINE PLANS**

Sheet No.  
**E5.1**



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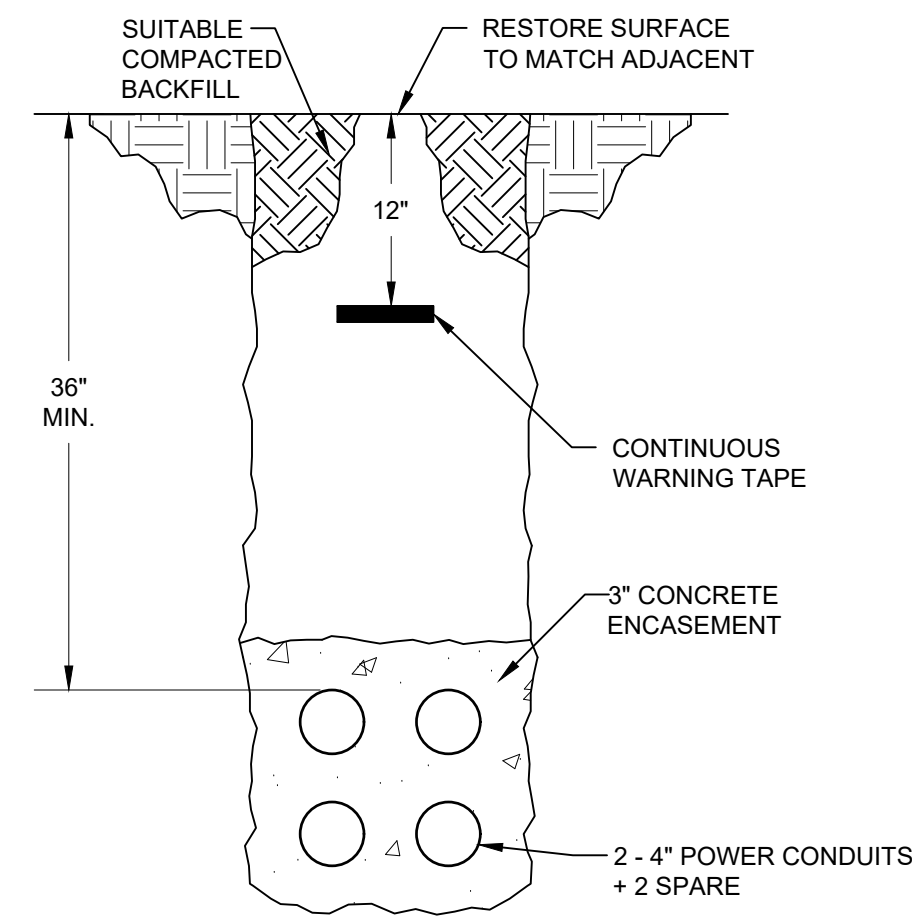
**SINGLE LINE DIAGRAM - POWER**

NO SCALE  
NOTES:

- PANELS AND EQUIPMENT THAT ARE PART OF THE EMERGENCY SYSTEM SHALL BE SELECTIVELY COORDINATED TO 0.01 SECONDS AS REQUIRED TO COMPLY WITH ARTICLE 700 OF THE NEC.
- COMPLY WITH PECO REQUIREMENTS FOR NEW UNDERGROUND SERVICE FROM POLE MOUNTED TRANSFORMERS. FINAL TERMINATIONS TO UTILITY TRANSFORMERS BY PECO.

**Feeder Schedule**

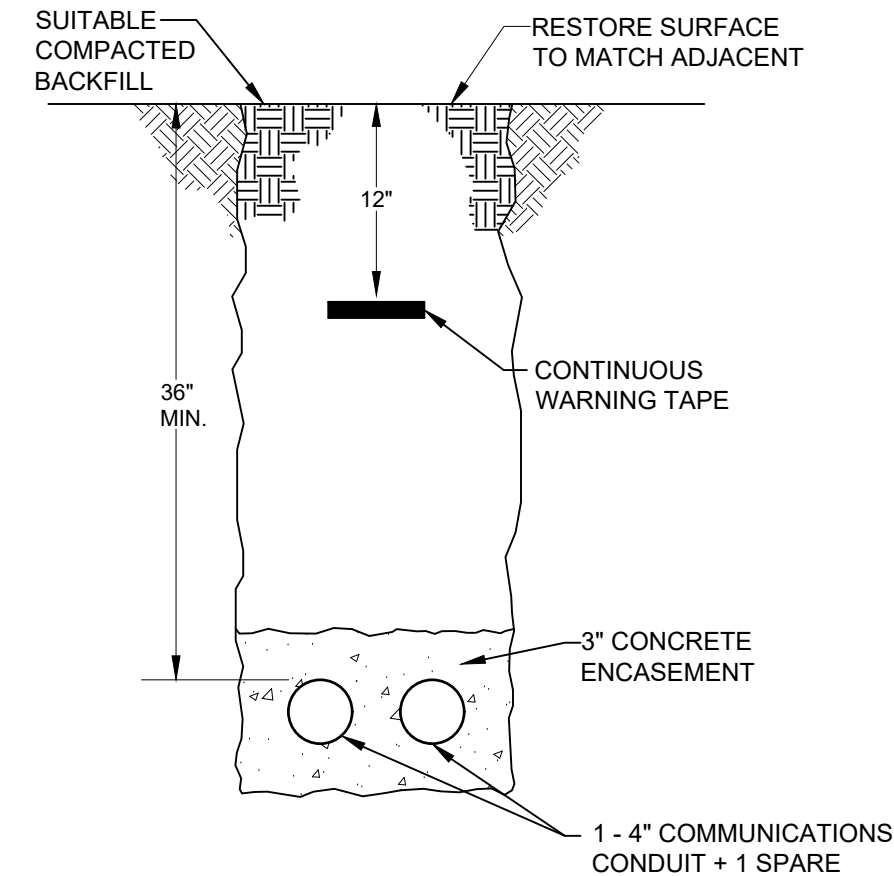
Tag	Overcurrent Protection	Phase Wires (per conduit)	Ground	Conduit	Number of Conduits	Comments
F01	600A	4-350kcmil	#1	4"	2	+ 2 spare
F02	600A	4-350kcmil	#1	4"	2	+ 1 spare
F03	600A	4-350kcmil	#1	4"	2	+ 1 spare
F04	200A	4-4/0	#4	2.5"	1	
F05	200A	4-4/0	#4	2.5"	1	
F06	-	-	2/0	-	-	Ground electrode



**SERVICE DUCT BANK DETAIL**

1

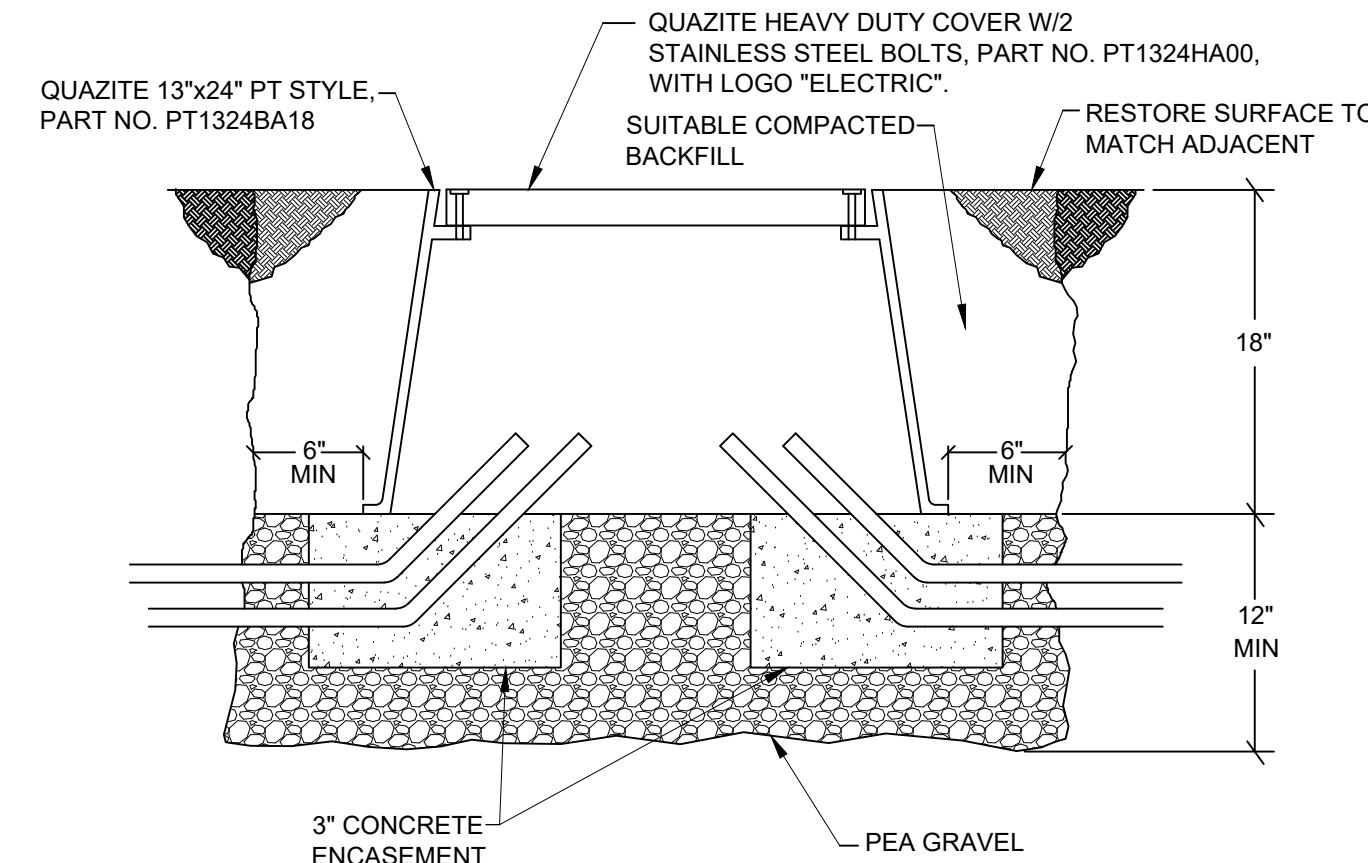
NOT TO SCALE  
NOTE: COMPLY WITH PECO REQUIREMENTS FOR UNDERGROUND FEEDERS.



**SERVICE DUCT BANK DETAIL**

2

NOT TO SCALE  
NOTE: COMPLY WITH TELEPHONE/DATA SERVICE PROVIDER REQUIREMENTS FOR UNDERGROUND FEEDERS.

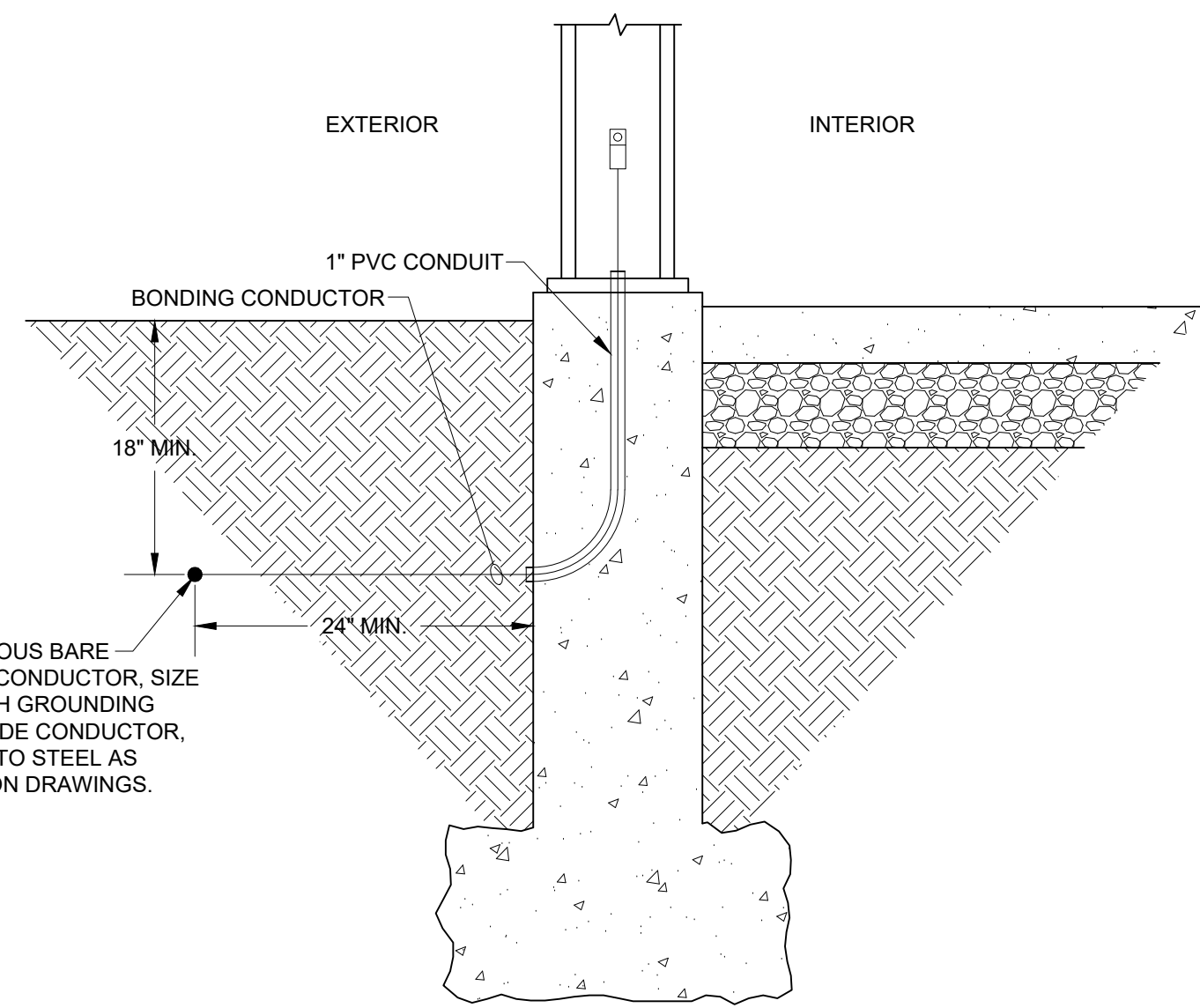


**TYPICAL HANDHOLE DETAIL**

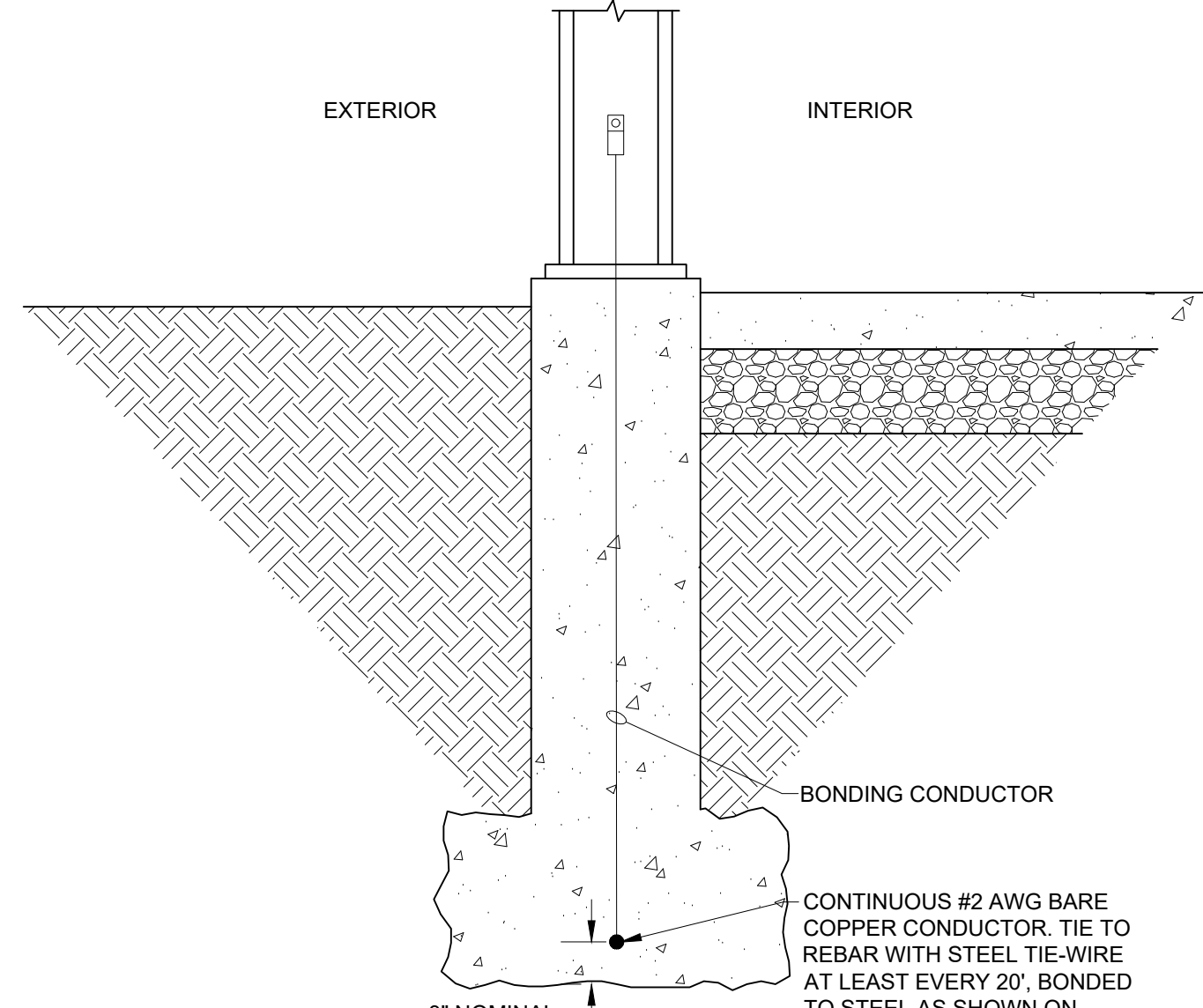
3

NO SCALE  
NOTE: PROVIDE SIZE SHOWN, UNLESS SITE PLAN INDICATES OTHERWISE

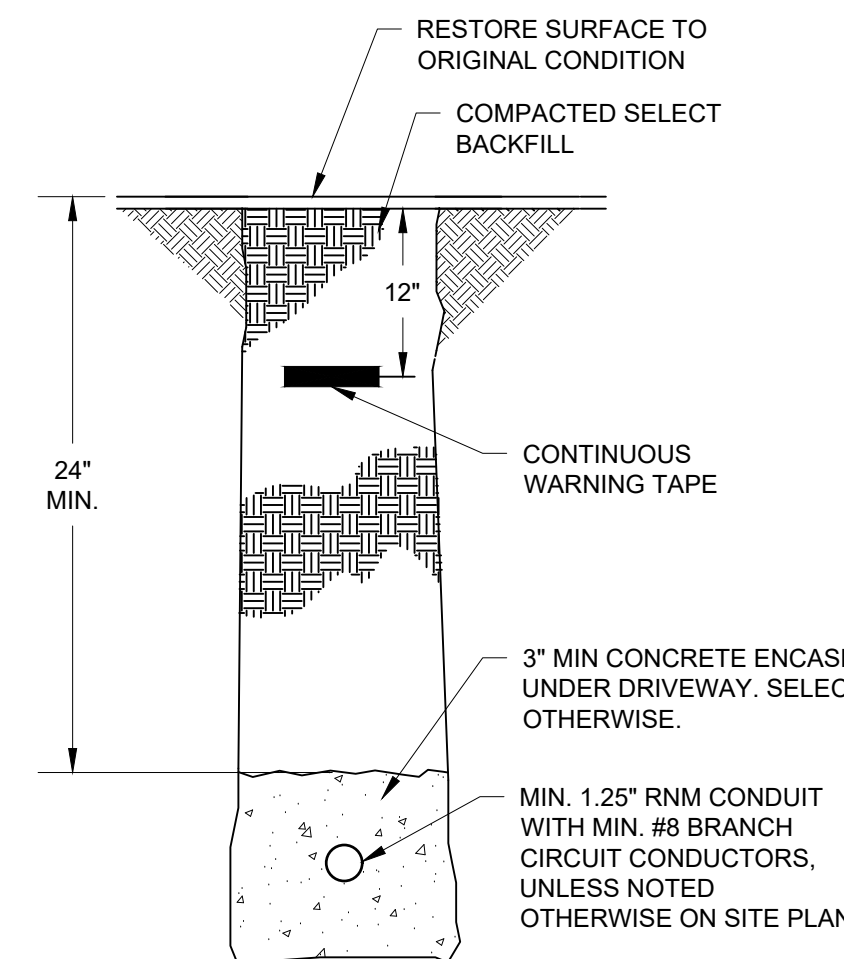
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**GROUND RING ELECTRODE OPTION**

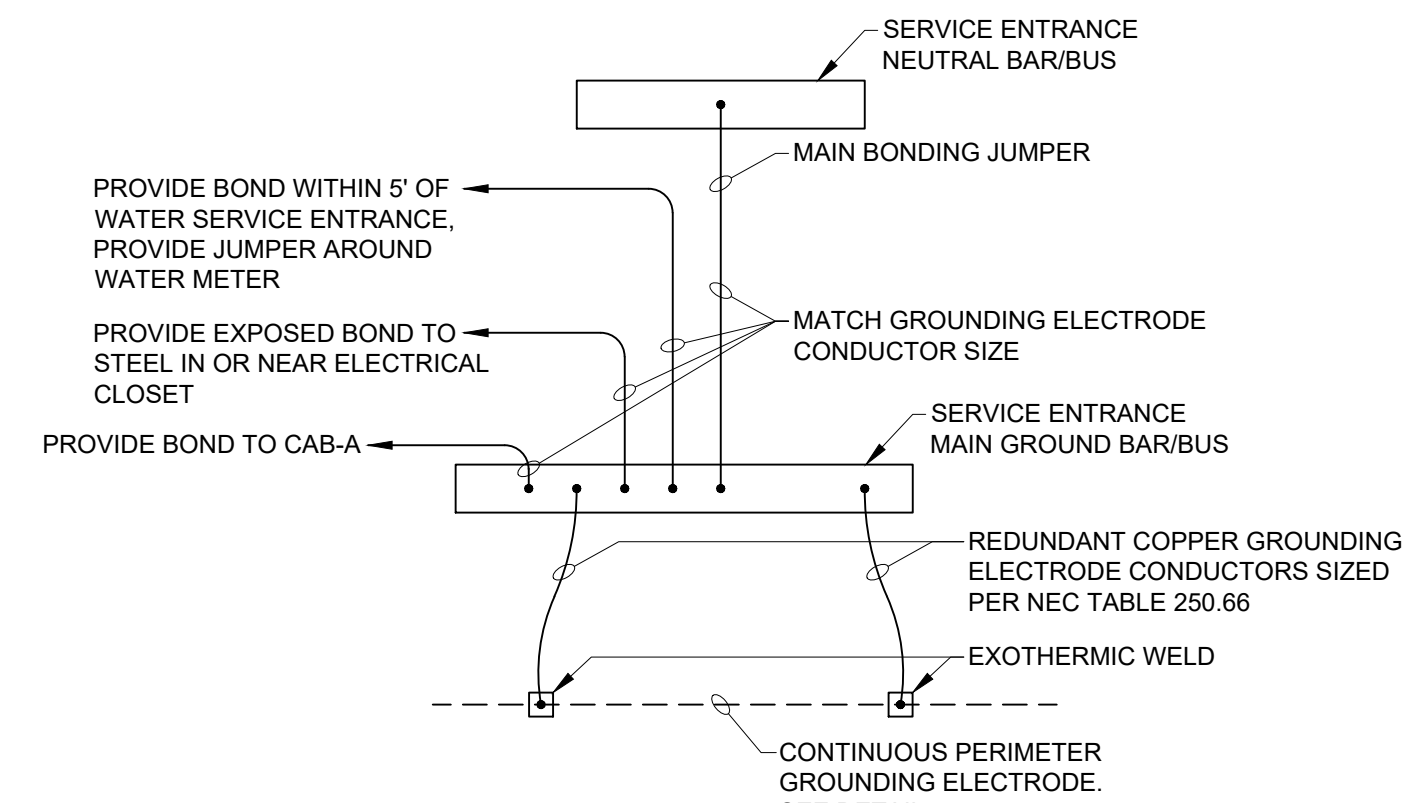


**CONCRETE-ENCASED ELECTRODE OPTION**



**TYPICAL UNDERGROUND CONDUIT DETAIL**

NO SCALE



**SERVICE ENTRANCE GROUNDING DETAIL**

NO SCALE

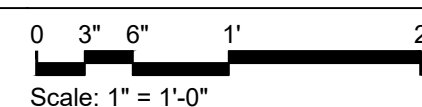
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**GROUNDING ELECTRODE & STEEL BONDING DETAIL**



Scale: 1" = 1'-0"

NOTES:

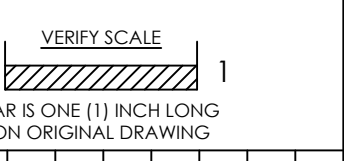
- PROVIDE CONTINUOUS COPPER GROUNDING ELECTRODE AROUND ENTIRE PERIMETER OF BUILDING. EITHER GROUND RING ELECTRODE OPTION OR CONCRETE-ENCASED ELECTRODE OPTION.
- USE ONLY EXOTHERMIC WELDS FOR JOINING COPPER CONDUCTORS UNDERGROUND OR WITHIN CONCRETE.
- BONDING CONDUCTOR SIZE SHALL MATCH GROUNDING ELECTRODE CONDUCTOR SIZE.
- BOND EACH PERIMETER COLUMN AND ADDITIONAL COLUMNS SHOWN ON FLOOR PLAN. PROVIDE CLEAN CONNECTION TO STEEL. REMOVE MATERIALS OR PAINT THAT WOULD PREVENT A CLEAN CONNECTIONS.
- BONDING CONNECTORS AT COLUMNS SHALL BE WELDED CONNECTORS LISTED FOR THE APPLICATION. WHERE COLUMN CONNECTORS ARE ACCESSIBLE FOR INSPECTION, MECHANICAL CONNECTORS BOLTED TO COLUMNS MAY BE USED.

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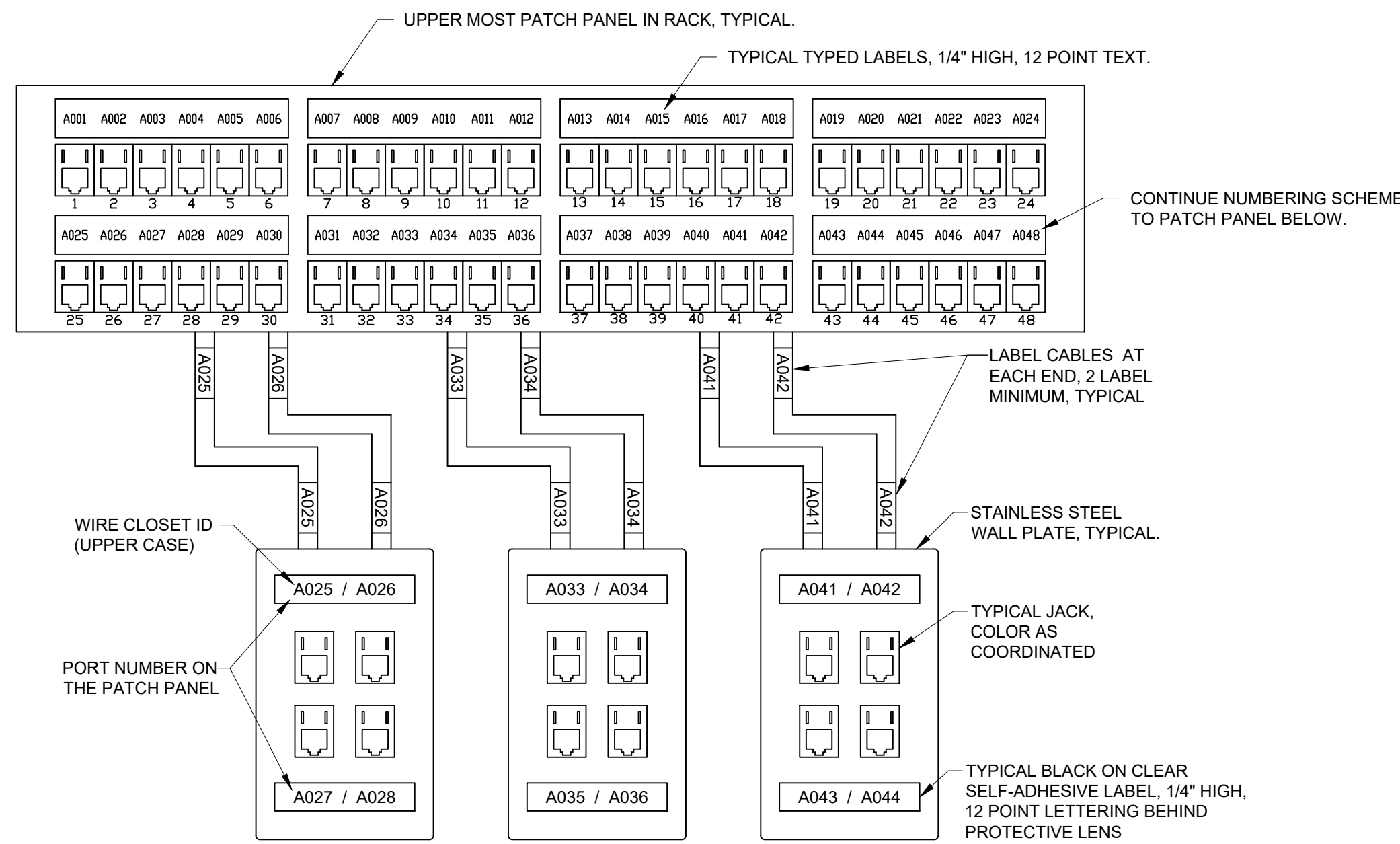
Date: 02/05/2024  
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 DETAILS

Sheet No.  
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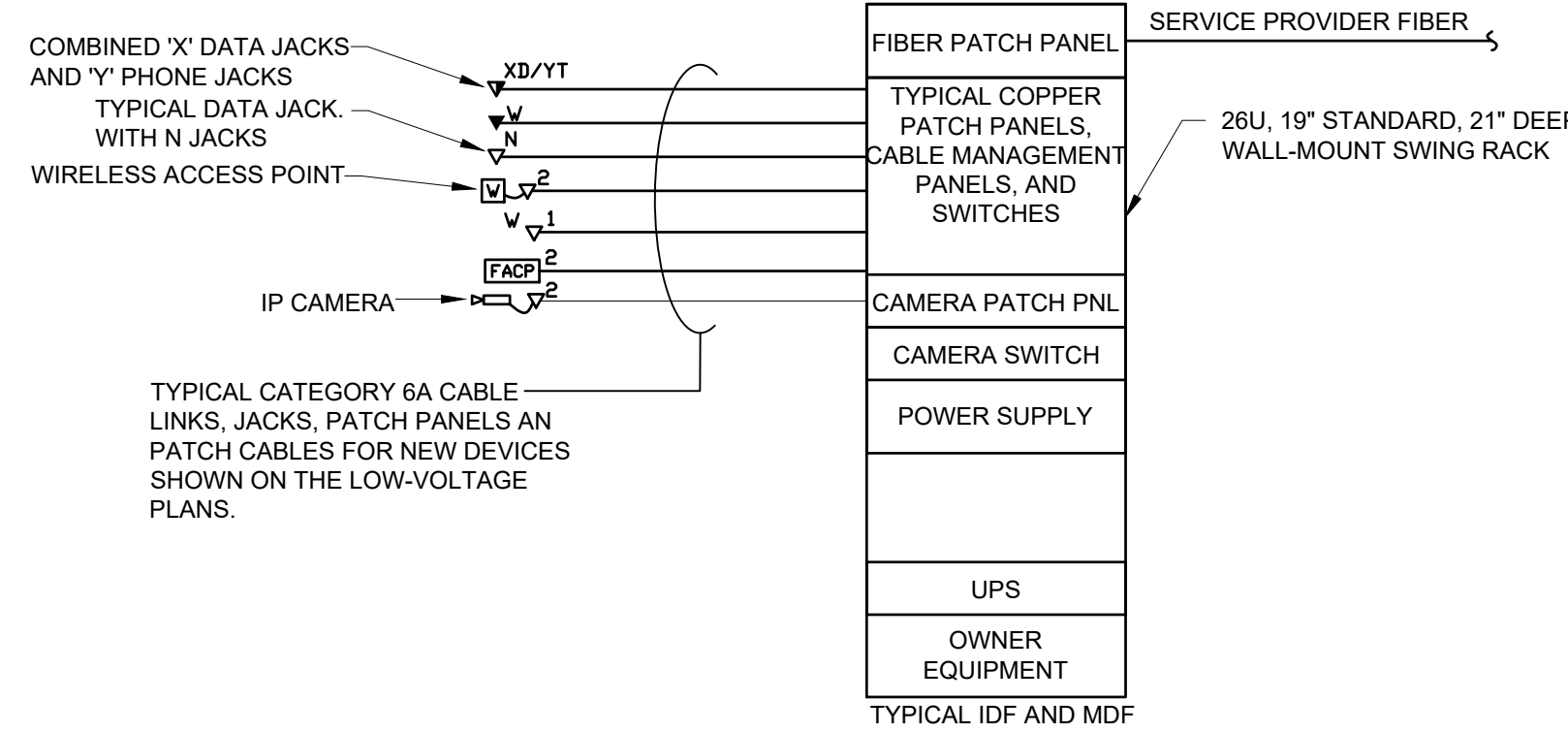


### TYPICAL TELEDATA LABELING DETAIL

NOT TO SCALE

- NOTES:
1. FILL UNUSED OPENINGS WITH ELECTRICAL IVORY BLANK MODULES.
  2. PATCH PANELS ARE TO BE LABELED IN CONSECUTIVE ORDER STARTING AT RACK LETTER, PORT 001. FACE PLATE SHALL IDENTIFY RACK LETTER AND PORT NUMBER FOR EACH JACK.
  3. LABELING SCHEME SHOWN IS AN EXAMPLE. PROVIDE LABELING OF TELEDATA CABLES, PATCH PANELS, AND JACKS AS DEFINED BY OWNER IN WRITING.

B



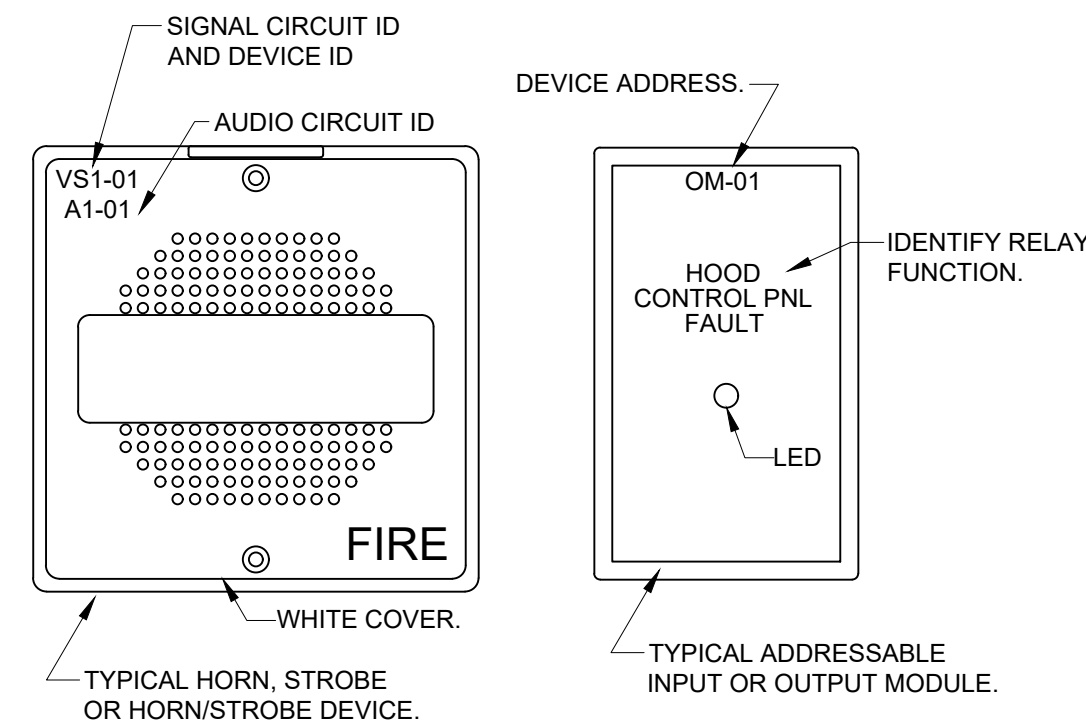
### TYPICAL TELEDATA RISER DIAGRAM

NO SCALE

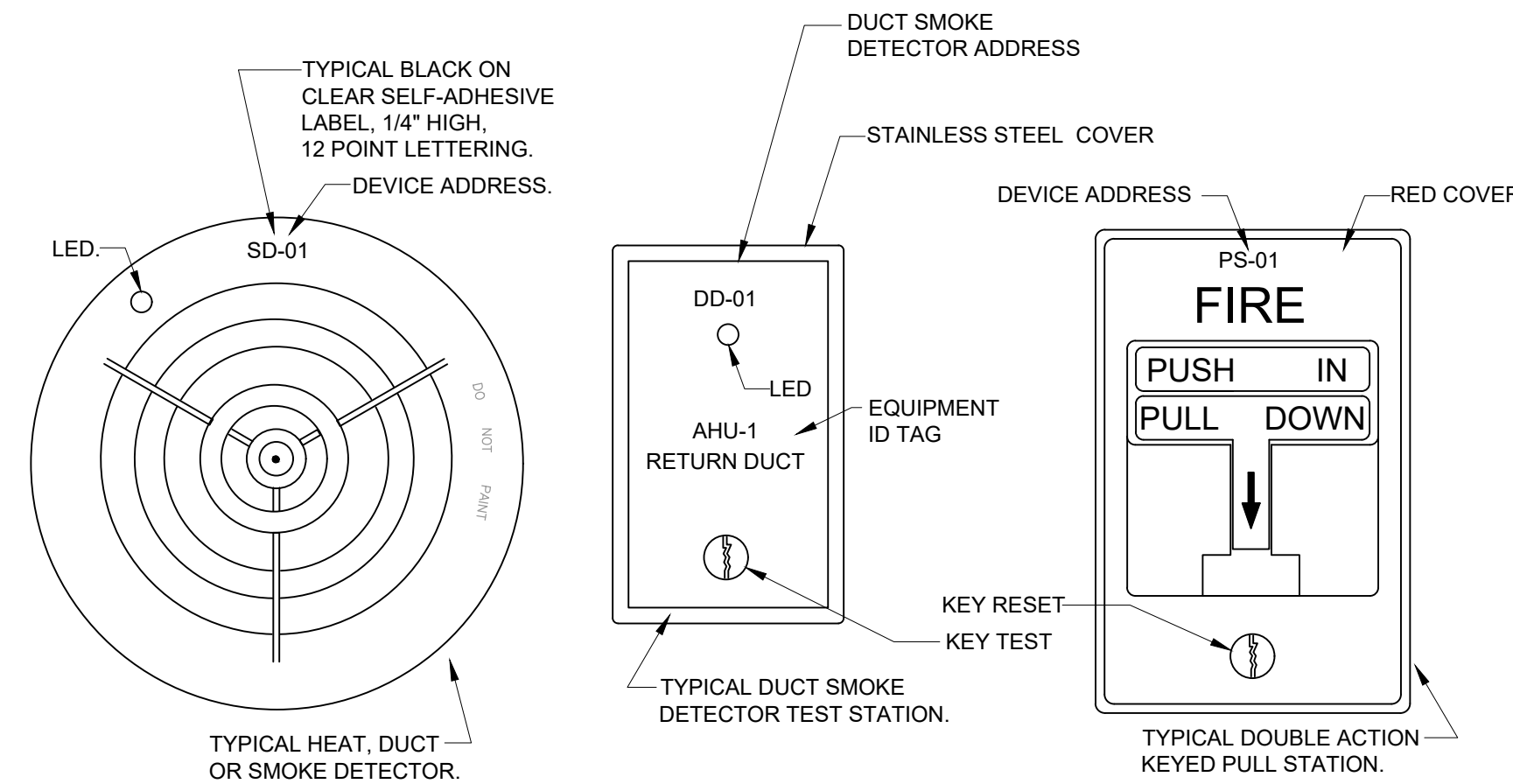
#### DIAGRAM NOTES

1. FINAL LOCATION OF DATA JACKS AT TELEVISIONS, MONITORS, PROJECTORS, CAMERAS, & OWNER OR ARCHITECTURAL FURNITURE SHALL BE COORDINATED IN THE FIELD WITH ARCHITECT. PROVIDE FINAL APPROVAL BY OWNER FOR DEVICE LOCATIONS PRIOR TO ROUGH-IN OF CONDUIT AND BOXES.
2. PUNCH DOWN TELEPHONE AND DATA OUTLETS THRU CATEGORY 6A PATCH PANELS. PROVIDE ONE SMALL PATCH CABLE BETWEEN PATCH PANEL AND OWNER FURNISHED SWITCHES.
3. INSTALL NEW FIBER CABLES, FIBER PATCH PANELS, NETWORK SWITCHES, CAMERA EQUIPMENT & PATCH CABLES BY OWNER.
4. PROVIDE STANDARD DATA JACK COVERPLATE WITH MOUNTING STUDS TO MATCH EXISTING TELEPHONES, OR AS REQUESTED.
5. PROVIDE VERTICAL GROUND BAR IN CABINET. INSTALL #4 CONDUCTOR FROM GROUND BAR TO BUILDING STRUCTURAL STEEL. BOND CABINET TO PERIMETER GROUND ELECTRODE. BOND EACH POWERED PIECE OF EQUIPMENT IN THE CABINET TO THE GROUND BAR WITH A DEDICATED #12 BONDING CONDUCTOR.

C



D

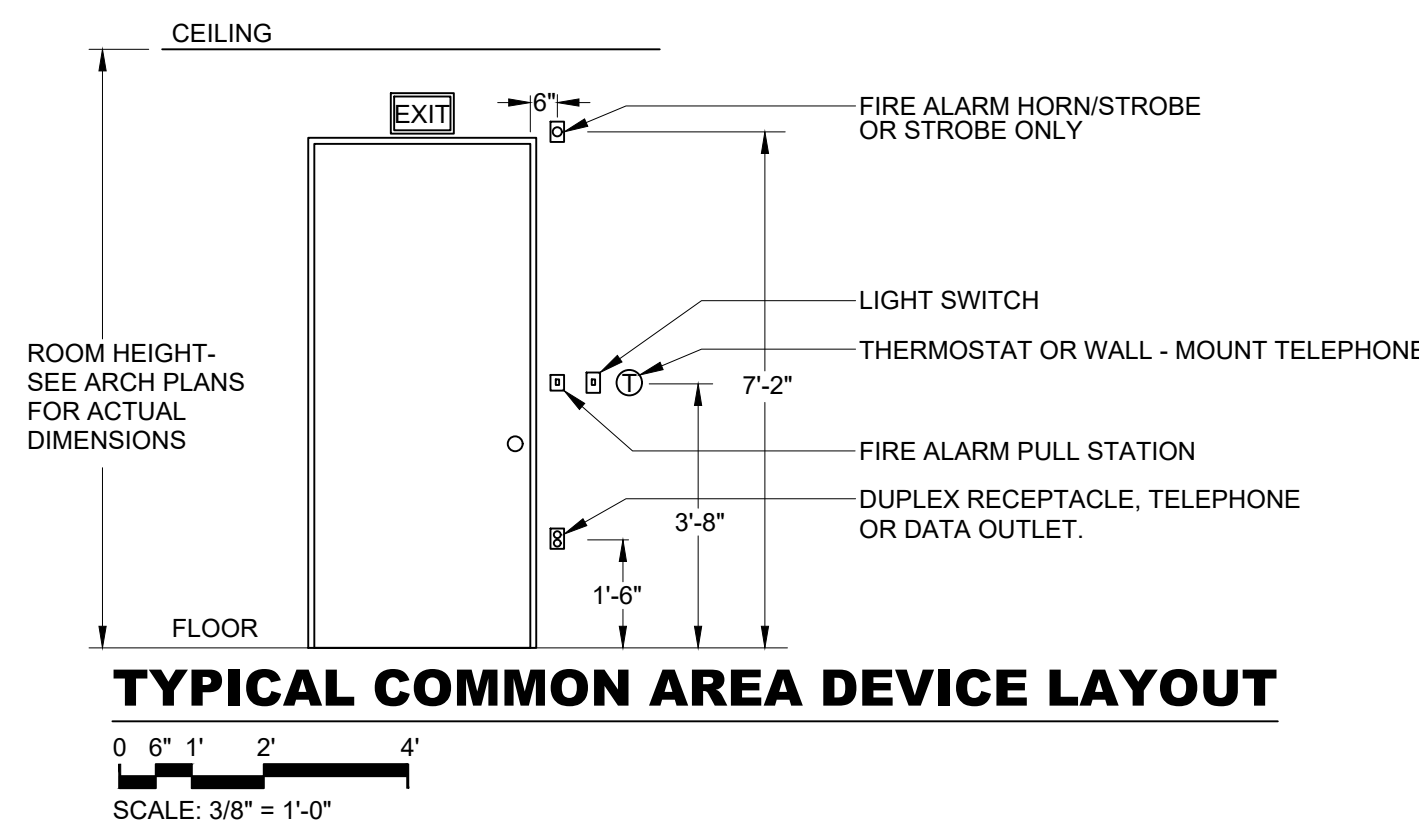


### TYPICAL FIRE ALARM DEVICE DETAIL

NOT TO SCALE

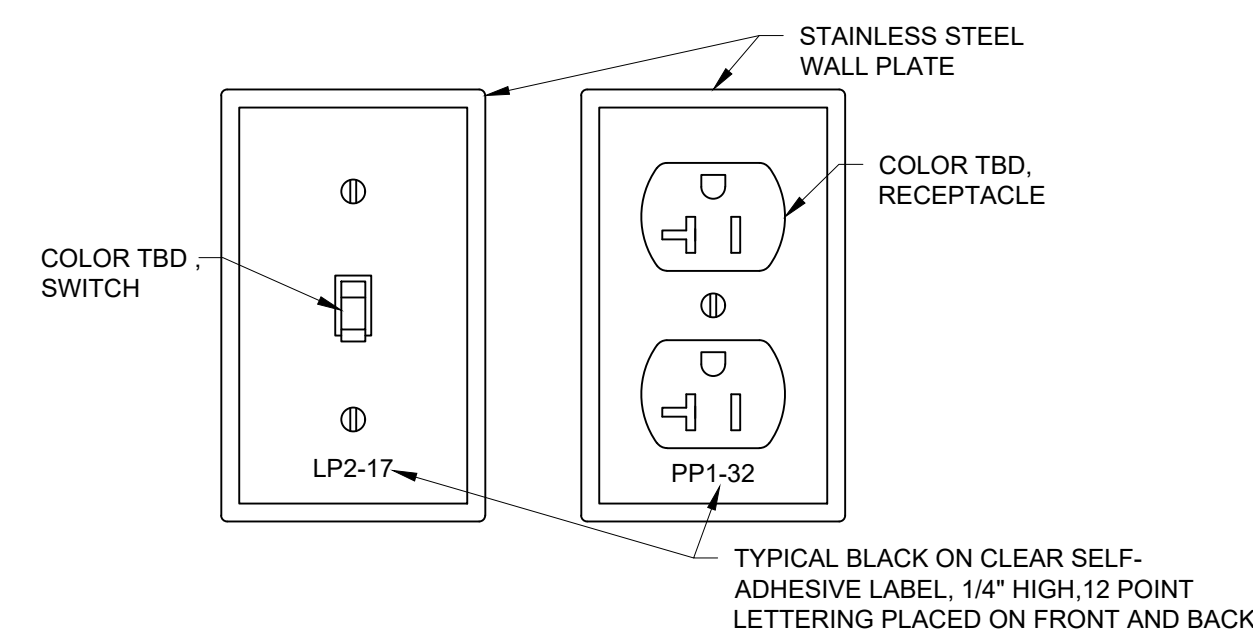
- NOTES:
1. IDENTIFY ALL NEW AND EXISTING NON-ADDRESSABLE FIRE ALARM DEVICES WITH THE NON-ADDRESS LOOP NUMBER.
  2. IDENTIFY ALL NEW AND EXISTING ADDRESSABLE DEVICES WITH DEVICE ADDRESS.
  3. INCREASE TEXT SIZE FOR DEVICES LOCATED ABOVE 10' AFF TO 1/2" HIGH 14 POINT LETTERING.

E



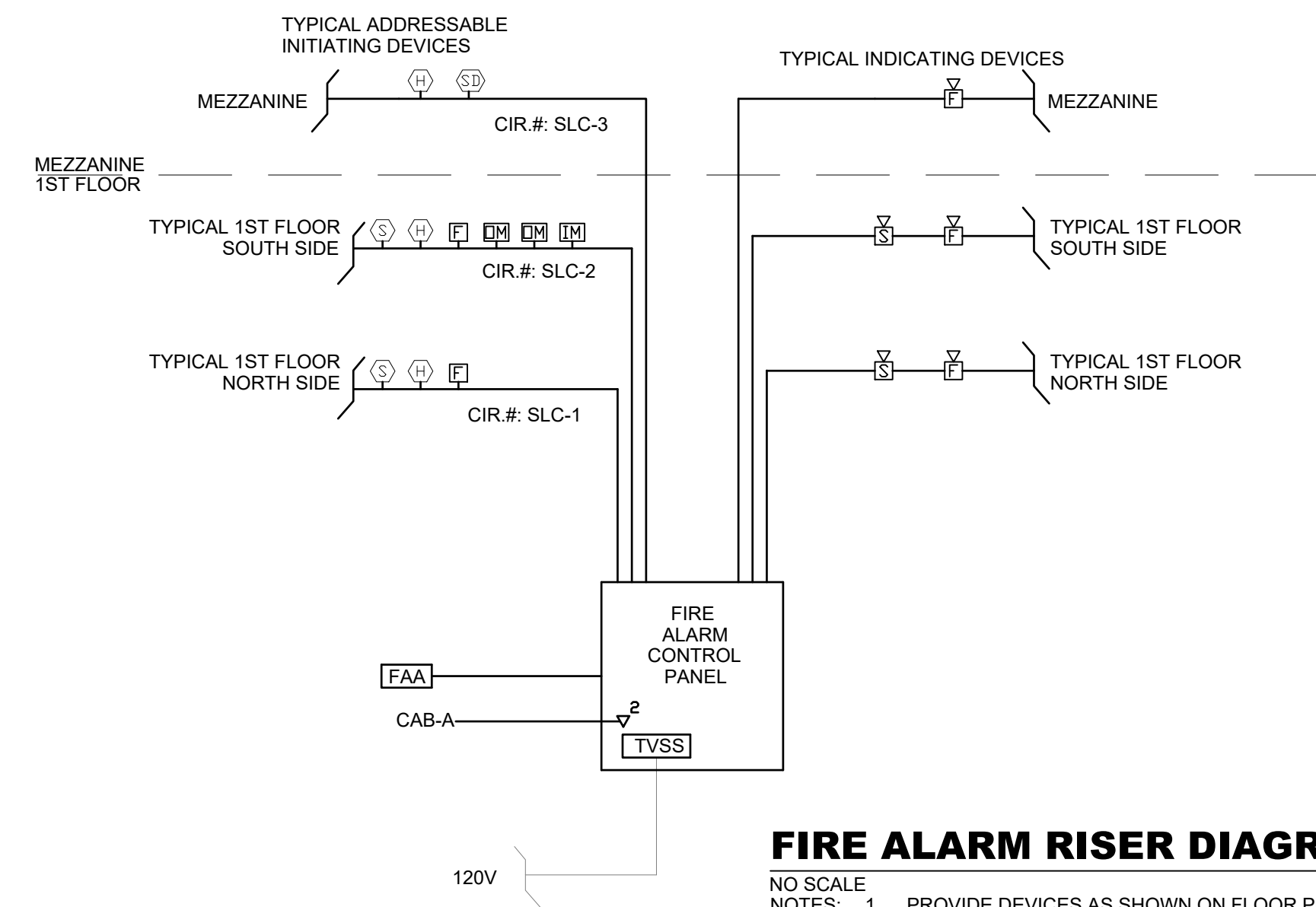
### TYPICAL COMMON AREA DEVICE LAYOUT

SCALE: 3/8" = 1'-0"



### TYPICAL WIRING DEVICE DETAIL

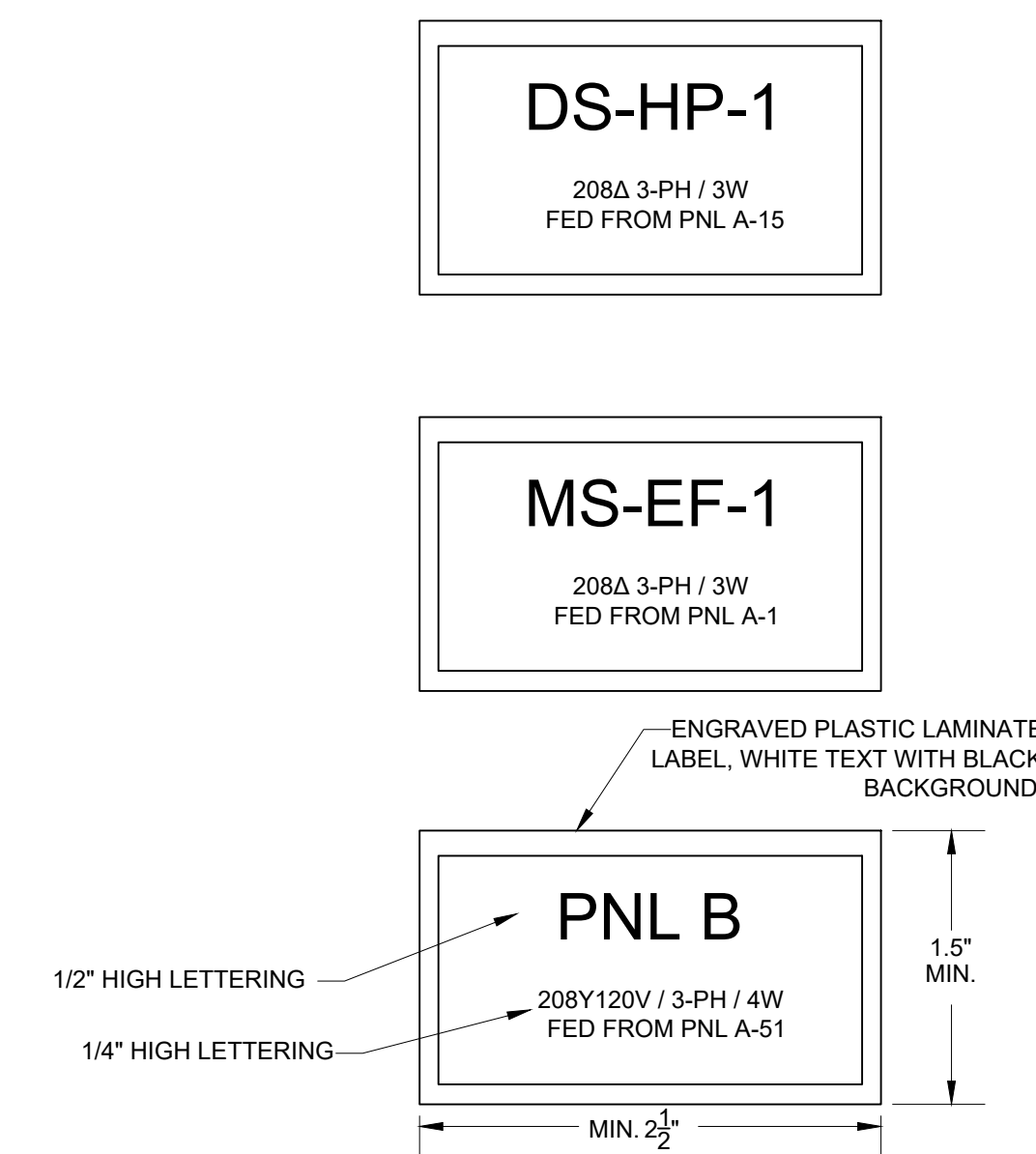
Scale: 6" = 1'-0"



### FIRE ALARM RISER DIAGRAM

NO SCALE

- NOTES:
1. PROVIDE DEVICES AS SHOWN ON FLOOR PLANS.
  2. CABLES SHALL BE PLENUM RATED, SIZE AND TYPE AS RECOMMENDED BY MANUFACTURER, UNLESS SPECIFICATION ARE MORE STRINGENT.
  3. PROVIDE MONITORING VIA CELLULAR DIAL OUT WITH NETWORK MONITORING AS REDUNDANT BACKUP.



### TYPICAL EQUIPMENT LABEL DETAIL

NOT TO SCALE

NOTE: IDENTIFY PANELBOARDS, SAFETY SWITCHES, MOTOR STARTERS WITH ENGRAVED LABELS. VOLTAGE AND LOCATION EQUIPMENT IS FED FROM.

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 PLAYGROUND  
 for  
 PPR/REBUILD PHILADELPHIA  
 3101-27 N 22ND ST, PHILADELPHIA PA 19132

VERIFY SCALE  
 0 1  
 BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING

No.	Date	Description

Date: 02/05/2024  
 Scale: AS NOTED  
 Job No.: 725002  
 Drawn: JCR Appd.: MCD

Sheet Title:

DETAILS

Sheet No.

E7.2

NOT FOR CONSTRUCTION







**A** 208 Y/120V, 3Ø, 4W Mech 113

Circuit Num	Poles	Size	Load (VA)	Description	A	B	C	Description	Load (VA)	Size	Poles	Circuit Num	
1	3	125	11529	DOAS-1 (outdoor HVAC unit)	12537			AHU-1 AHU-2B	1009	20	2	2	
3			11529	(Electrical Heating & Cooling)	12537				1009			4	
5			11529					14649 DS-HP-1	3120	40	2	6	
7	3	15	633	Kitchen Make-Up Air-1 (MAU-1)	3753				3120			8	
8			633	(Electrical Heating & Cooling)		2089		DS-HP-3	1496	30	2	10	
11			633						1496			12	
13	3	20	720	Musco Pole Lights P-01 P-02	3840			DS-HP-4	3120	45	2	14	
15			720			3840			3120			16	
17			720				2720	Humidifier-H1	2000	25	3	18	
19	3	20	360	Musco Pole Lights P-03	2360				2000			20	
21			360			2360			2000			22	
23			360				2193	HWH-1	1833	20	3	24	
25	2	20	1009	AHU-2A & AHU-4	2842				1833			26	
27			1009						1833			28	
29	3	60	3723	HP-2				4083	Hot water circulation pumps (2)	360	20	1	30
31			3723		3903				180	20	1	32	
33			3723			9656		Duct Coil DC-1	5333	60	3	34	
35	3	20	0	Spare			5333	HNW	5333			36	
37			0			5333			5333			38	
39			0			5		Integral SPD	5	30	3	40	
41	1	20	0	Spare			5	200KA	5			42	
43	3	125	0	Spare		5			5			44	
45			0			0		Spare	0	30	2	46	
47			0			0			0			48	
49	3	200	9000	PNL-B	20010		19704	PNL-C	10930	200	3	50	
51			9000						10704			52	
53			9000				20476		10576			54	

Engraved panel label

Totals	54683	52423	51548
Totals derated	53382	51190	50010

Metal circuit directory holder  
Circuit breaker panelboard  
Hinged door-in-door cover  
Back-on breakers  
225A MLO  
NEMA 1 surface-mounted enclosure  
25kA SCCR (Minimum)  
Ground bar

Balanced connected load: 440 A  
Balanced derated load: 429 A

Fed from ECB-A

**B** 208 Y/120V, 3Ø, 4W General Storage 104

Circuit Num	Poles	Size	Load (VA)	Description	A	B	C	Description	Load (VA)	Size	Poles	Circuit Num
1	1	20	720	Recept - Gym 105	1080			Recept - Women 106	360	20	1	2
3	1	20	720	Recept - Gym 105		1080		Recept - Men 107	360	20	1	4
5	1	20	360	Recept - Vest 100 JC 108			1080	Recept - Multi-Purpose 109	720	20	1	6
7	1	20	720	Recept - Lobby 101	1260			Recept - Multi-Purpose 109	540	20	1	8
9	1	20	540	Recept - Office 102		1260		Recept - Maker Space 110	720	20	1	10
11	1	20	720	Recept - Office 102			1440	Recept - Maker Space 110	720	20	1	12
13	1	20	720	Recept - 102B 105A	1260			Recept - Exterior	540	20	1	14
15	1	20	540	Recept - Mech 112		900		Recept - Mech 113	360	20	1	16
17	1	20	360	Recept - Multi-Purpose 109			720	Recept - Gym Storage 105B	360	20	1	18
19	1	20	360	Recept - Multi-Purpose 109		720		E.W.C. & Vestibule 100 & Lobby 101	360	20	1	20
21	1	20	180	Recept - Maker Space 110		1860		Electric Wall Heaters - EWH-1	1500	20	2	22
23	1	20	540	Recept - Restroom 103 Stor. 104			2040		1500			24
25	1	20	180	Recept - Gen Stor 104		1680		Electric Wall Heaters - EWH-2	1500	20	2	26
27	1	20	180	Recept - Gen Stor 104			1680		1500			28
29	1	20	360	Hand dryer - Restroom 103			1860	Electric Wall Heaters - EWH-3	1500	20	2	30
31	1	20	360	Hand dryer - Mens 107		1860			1500			32
33	1	20	360	Hand dryer - Womens 106		1860		Electric Wall Heaters - EWH-4	1500	20	2	34
35	1	20	360	Recept - Maker Space 110			960	Fire alarm panel - Gen Stor 104	900	20*	1	36
37	1	20	360	Recept - Maker Space 110			540	Inverter INV-H - Gen Stor 104	180	20*	1	38
41	1	20	0	Spare			900	Gym - Powered Backstop	900	20	1	42
43	1	20	260	Lts - Mech 112, & Mech 113	260			Spare	0	20	1	44
45	1	20	0	Spare		0		Spare	0	20	1	46
47	1	20	0	Spare		0		Spare	0	20	1	48
49	1	20	0	Spare		0		Spare	0	20	1	50
51	1	20	0	Spare		0		Spare	0	20	1	52
53	1	20	0	Spare		0		Spare	0	20	1	54

Engraved panel label

Totals	9080	9000	9900
Totals derated	8497	8327	9227

Metal circuit directory holder  
Circuit breaker panelboard  
Hinged door-in-door cover  
Back-on breakers  
225A MLO  
NEMA 1 surface-mounted enclosure  
10kA SCCR  
Ground bar

Balanced connected load: 78 A  
Balanced derated load: 72 A

Reduced receptacle load based on NEC Table 220.44

Fed from PNL-A

**C** 208 Y/120V, 3Ø, 4W General Storage 104

Circuit Num	Poles	Size	Load (VA)	Description	A	B	C	Description	Load (VA)	Size	Poles	Circuit Num
1	1	20	1100	Reach-In Refrigerator	1100			Spare	0	20	1	2
3	1	20	1000	Reach-In Freezer		1000		Spare	0	20*	1	4
5	1	20	540	General Purpose Receptacles			720	Dishwasher	180	20	1	6
7	1	20	180	General Purpose Receptacles	360			General Purpose Receptacles	180	20*	1	8
9	1	20	180	General Purpose Receptacles		180		Spare	0	20*	1	10
11	1	20	180	General Purpose Receptacles			1020	Recept. Kitchen	840	20	1	12
13	1	20	1200	Residential Refrigerator/Freezer	5733			Range	4533	*50	3	14
15	3	15	900	Kitchen Fan		5433		Circuit Breaker 200 Amp 200 Break-50V	4533			16
17			900	3/4hp			5433	shunt control beam hood (3 #12 @ 3/4")	4533			18
19			900			900		Spare	0	*50	3	20
21	1	20	170	Lts - Rms 102, 103, 104, 102A, 105A		170		Spare	0	20	1	22
23	1	20	225	wireless			225	Spare	0	20	1	24
25	1	20	1152	Lights - Gym 105	1252			Lights - Exterior Scance	100	20	1	26
27	1	20	1638	Lights - Multi-purpose 109		2430		Food Waste Disposer	792	*20	3	28
29	1	20	945	Lights - Rms 106A, 110 & 111			1737	2hp	792			30
31	1	20	242	Lights - Rms 105B, 106, 107, 108		1034			792			32
33	1	20	120	Existing Exterior Security Lighting			940	Kitchen hood	820	20	1	34
35	1	20	120	Existing Exterior Security Lighting				Kitchen hood	820	20	1	36
37	1	20	120	Existing Exterior Security Lighting		300		Kitchen hood	180	20	1	38
39	2	20	120	Existing Exterior Security Lighting			300	Kitchen hood Antisl system	180	20	1	40
41	1	20	0	Spare				Spare	0	20	1	42
43	1	20	0	Spare				Spare	0	20	1	44
45	1	20	0	Spare				Spare	0	20	1	46
47	2	20	125	Existing Exterior Sports Lighting			250	Existing Exterior Sports Lighting	125	20	2	48
49	2	20	125	Existing Exterior Sports Lighting		250		Existing Exterior Sports Lighting	125	20	2	50
51	2	20	125	Existing Exterior Sports Lighting			250	Existing Exterior Sports Lighting	125	20	2	52
53			125	Existing Exterior Sports Lighting			250	Existing Exterior Sports Lighting	125	20	2	54

Engraved panel label

Totals	10930	10704	10576
Totals derated	10402	10134	9712

Metal circuit directory holder  
Circuit breaker panelboard  
Hinged door-in-door cover  
Back-on breakers  
225A MLO  
NEMA 1 surface-mounted enclosure  
10kA SCCR  
Ground bar

Balanced connected load: 89 A  
Balanced derated load: 84 A

Reduced kitchen and receptacle loads based on NEC Table 220.44 & Table 220.55

Fed from PNL-A

**Lighting Control Panel LCA**

Relay	Circuit	Load (VA)	Zone	Description	Initial Time Schedule	Notes
1	C-47-49	2000		Existing Exterior Sports Lighting	Manual On, Off 10PM	
2	C-48-50	2000		Existing Exterior Sports Lighting	Manual On, Off 10PM	
3	C-51-53	2000		Existing Exterior Sports Lighting	Manual On, Off 10PM	
4	C-52-54	2000		Existing Exterior Sports Lighting	Manual On, Off 10PM	
5	C-33	120		Existing Exterior Security Lighting	Manual On, Off 10PM	Track Lights
6	C-35	120		Existing Exterior Security Lighting	Manual On, Off 10PM	Track Lights
7	C-37	120		Existing Exterior Security Lighting	Manual On, Off 10PM	Playground Lights
8	C-39	120		Existing Exterior Security Lighting	Manual On, Off 10PM	Playground Lights
9				Spare		
10				Spare		
11				Spare		
12				Spare		

\*Time schedule shown for reference only. Provide Owner furnished time schedule.

**E**

Tag	Voltage	Size	Trip	SCCR Rating	Enclosure	Phase Wires	Ground	Conduit	Comments
DS-AHU-3	208V	30A	NF	NEMA 1	3#6	#6	#10	3/4"	Provide wiring from HP-3 thru DS-AHU-3 to AHU-3
DS-DC-1	208V	60A	NF	NEMA 1	3#6	#6	#10	1"	Disconnect by HC, EC to provide circling through disconnect to equipment
DS-DOAS-1	208A	200A	125A	NEMA 3R	3#1	#6	1.5"		Disconnect by HC, EC to provide circling through disconnect to equipment
DS-MAU-1	208A	30A	8A	NEMA 1	3#12	#12	0.75		Disconnect by HC, EC to provide circling through disconnect to equipment
DS-HP-1	208V	60A	40A	NEMA 3R	2#8	#10	1"		
DS-HP-2	208A	60A	60A	NEMA 3R	3#6	#8	1"		
DS-HP-3	208V	30A	30A	NEMA 3R	2#10	#10	.75"		
DS-HP-4	208V	60A	45A	NEMA 3R	2#8	#10	.75"		

Notes: 1 For all switches, provide hasp for padlocking in both on and off positions and engraved label on face of disconnect, or HVAC equipment cover.  
2 For all switches, provide ground lugs.  
3 For all outdoor switches, provide watertight threaded conduit hub kit.  
4 For fused switches, provide class R fuse rejection kit.  
5 For all fuses, verify fuse sizes match equipment nameplate and fuses have blown fuse indication.  
6 For all switches, provide clear shield kits with probe holes for user testing over live terminations.

**Luminaire Schedule**  
1. All luminaires must be listed and labeled by an NRTL, as required by the NEC.

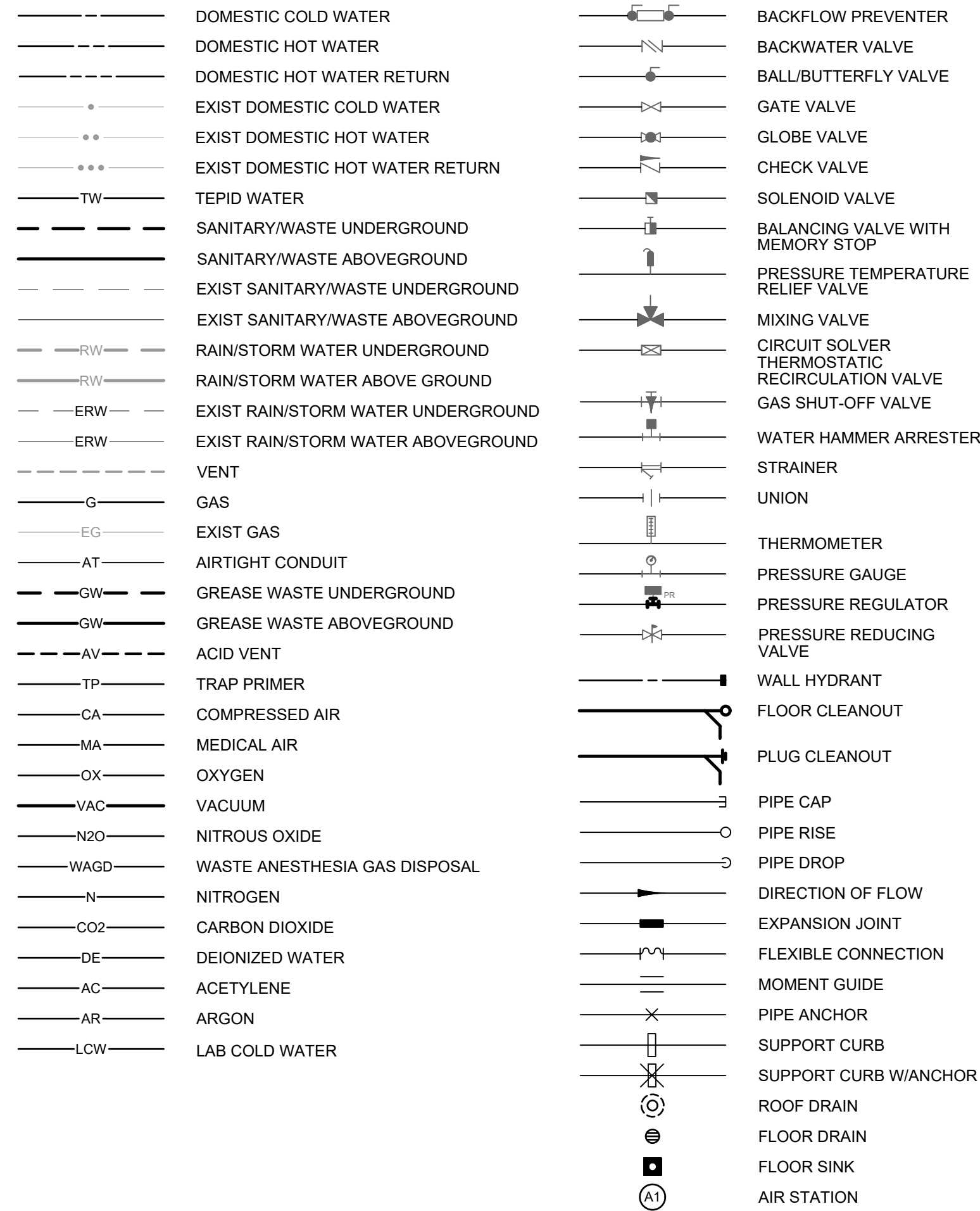
Type	Manuf.	Model	Mounting	Description	Source	Color	CRI	Lumens	Lumen Maint	Driver	Voltage	VA	W
**A4	Axis	SLIM 2xSurroundLite	Pendant	4' L x 8' W, direct/indirect linear fixture, clear top cover with batwing distribution, 2 circuits for direct/indirect, frosted lower lens, mounting height and mounting hardware as coordinated with architectural drawings and architect, aluminum or other standard finish selection by Architect, grey cord, stainless steel adjustable cable, sloped ceiling mounting hardware	LED	3500K	80	4000 up / 3000 dwn	L70 60,000hr	0-10V dim	120-277V	91	79.5
**A8	Axis	SLIM 2xSurroundLite	Pendant	8' L x 8' W, Direct/indirect linear single section fixture, clear top cover with batwing distribution, 2 circuits for direct/indirect, frosted lower lens, mounting height and mounting hardware as coordinated with architectural drawings and architect, aluminum or other standard finish housing and canopy cover selection by Architect, grey cord, stainless steel adjustable cable, sloped ceiling mounting hardware	LED	3500K	80	8000 up / 6000 dwn	L70 60,000hr	0-10V dim	120-277V	183	159
**B	Lithonia	CSS	Surface	4' single strip LED fixture, high gloss baked white enamel finish, diffused acrylic lens, wire guard, welded end caps, adjustable aircraft cable hangers, 131L/W	LED	3500K	80	4,732	L70 60,000hr	0-10V dim	120-277V	41	36
**C	1st Source	LHB2	Surface (see description)	2'x2' LED gym linear high bay fixture, white aluminum housing, coated white wire cage, diffused acrylic lens, safety cable for luminaire and cage secured to structure, provide surface mounted fixture secured to slotted steel supports between joists or pendant mounted fixture with adjustable aircraft cable at 4 points to building structure/support hardware above as directed by architect	LED	3500K	80	15,628	L70 60,000hr	0-10V dim	120-277V	144	125
**D1	Gotham	EV045Q	Recessed	4" architectural square downlight, wide distribution, semi-specular reflector finish, new construction housing, custom RAL color flange, wet location under canopy listed, bar hangers supported to structure	LED	3600K	80	1000	L80 60,000hr	0-10V dim	120-277V	15	12
**D2	Gotham	EV045Q	Recessed	4" architectural square downlight, medium distribution, semi-specular reflector, custom RAL color flange, wet location under canopy listed, gasketed, remote driver, new construction housing	LED	3500K	80	1,500	L80 60,000hr	0-10V dim	120-277V	24	19
*E	Emergi-Lite	Preceptor	Surface	Single-faced exit sign, universal mount, white die-cast aluminum housing or as directed, red lettering, concealed chevron knockouts, AC-only, white wire guard option for signs located in the gym	LED	-	-	-	-	-	120-277V	3	3
E2	Emergi-Lite	Preceptor	Surface	Double-faced exit sign, universal mount, white die-cast aluminum housing or as directed, red lettering, concealed chevron knockouts, AC-only, white wire guard option for signs located in the gym	LED	-	-	-	-	-	120-277V	3	3
F	Axis	Beam 4	Recessed	Linear with flush diffuse lens, 4" aperture, length, lumens, and drivers as noted below, direct distribution, flat end caps, single circuit, visible flange mounting unless directed otherwise by Architect, custom color finish as directed by Architect, 102L/W, threaded rod support from building structure above	LED	3500K	80	-	L70 60,000hr	0-10V dim	120-277V	-	-



GENERAL PLUMBING NOTES

- 1. PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL PLUMBING SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES.
2. THE PLUMBING DRAWINGS SHALL BE CONSIDERED AS BEING DIAGRAMMATIC AND ARE NOT TO BE SCALED FOR THE ACCURATE CUTTING OF PIPE OR ITS EXACT PLACEMENT, BUT THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHER TRADES WILL PERMIT.
3. ALL FIXTURES SHALL BE COMPLETE AND INCLUDE SUPPLIES, STOPS, VALVES, FAUCETS, DRAINS, TRAPS, TAILPIECES, ESCUTCHEONS, ETC. TRAPS FOR ALL LAVATORIES AND SINKS SHALL BE REMOVABLE. LOCATE VALVES IN A READILY ACCESSIBLE LOCATION. ALL EXPOSED WASTE AND SUPPLY PIPING LOCATED IN FINISHED AREAS SHALL BE CHROME PLATED BRASS.
4. REFER TO THE RISER DIAGRAMS FOR ALL PIPE SIZES AND PIPING NOT SHOWN ON THE PLANS. UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL WASTE PIPING BELOW GRADE SHALL BE A MINIMUM OF 2" IN SIZE.
5. SECURE ALL PERMITS, INSPECTION CERTIFICATES, METER DEPOSITS, TAPS AND TAP FEES, ETC., AND PAY ALL CHARGES CONNECTED WITH SAME.
6. ALL MATERIALS SHALL BE NEW AND SHALL FIT THE SPACE AVAILABLE. VERIFY DIMENSIONS AT SITE.
7. 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.
8. ALL VALVES, CLEANOUTS, ETC., SHALL BE LOCATED AND INSTALLED TO PERMIT ACCESS FOR SERVICE WITHOUT DAMAGE TO BUILDING OR FINISHED MATERIALS.
9. PROVIDE CLEANOUTS ON ALL ACCESSIBLE TRAPS, AT THE BASE OF ALL SOIL/WASTE STACKS AND RAINWATER CONDUCTORS, AT EACH CHANGE OF DIRECTION OF PIPING GREATER THAN 45 DEGREES AND LOCATED AT INTERVALS NOT TO EXCEED THE MAXIMUM PERMITTED BY THE APPLICABLE PLUMBING CODE AND AS INDICATED ON THE DRAWINGS.
10. STERILIZE NEW DOMESTIC WATER PIPING AND PORTIONS OF THE EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED PRIOR TO USING. COMPLY WITH PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION OR, IN THE ABSENCE OF PRESCRIBED METHOD, THE PROCEDURES DESCRIBED IN EITHER AWWA C651 OR AWWA C652, OR AS DESCRIBED IN THE APPLICABLE PLUMBING CODE. FURNISH STERILIZATION REPORT TO ENGINEER UPON COMPLETION.
11. ALL DOMESTIC WATER PIPING SHALL BE HUNG LEVEL WITHOUT PITCH.
12. COPPER PIPING SHALL BE PROTECTED AGAINST CONTACT WITH DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS, AND CLIPS SHALL BE COPPER OR COPPER PLATED. WHERE COPPER PIPING IS CARRIED ON IRON TRAPEZE HANGERS WITH OTHER PIPING, SATISFACTORY AND PERMANENT ELECTROLYTIC ISOLATION MATERIAL SHALL PREVENT CONTACT WITH OTHER METALS.
13. WATER PIPING SHALL NOT BE RUN IN AREAS SUBJECT TO FREEZING TEMPERATURES. WATER PIPING IN EXTERIOR WALLS SHALL BE RUN ON CONDITIONED SIDE OF THE INSULATION.
14. ALL WATER PIPING SHALL BE INSULATED AND ALL WATER PIPING INSTALLED ABOVE THE CEILING SHALL BE BELOW THE BUILDING INSULATION.
15. PROVIDE WATER HAMMER ARRESTERS AS REQUIRED AND AS SHOWN ON THE DRAWINGS.
16. PROVIDE DRAIN VALVES AT ALL LOW POINTS OF DOMESTIC WATER PIPING SYSTEMS FOR COMPLETE DRAINAGE AND INDICATE LOCATION OF SAME ON RECORD DRAWINGS.
17. PROVIDE VACUUM BREAKERS AS REQUIRED BY CODE.
18. ALL PLUMBING FIXTURES MUST BE VENTED IN ACCORDANCE WITH APPLICABLE PLUMBING CODE INCLUDING LOCAL CODES.
19. REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATION OF DOORS, WINDOWS, FIXTURES, WALL DIMENSIONS, ETC.
20. THE ARCHITECTURAL DRAWINGS, INCLUDING INTERIOR ELEVATIONS, SHALL GOVERN THE ARRANGEMENT, LOCATION, AND MOUNTING HEIGHTS OF ALL FIXTURES AND EQUIPMENT, BUT NOT TO THE EXTENT OF PERMITTING ANY OMISSIONS OF FIXTURES OR EQUIPMENT SHOWN ON THE PLUMBING DRAWINGS. ANY DISCREPANCY BETWEEN THE DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND ENGINEER.
21. ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE SEALED WITH FIRE RESISTANT CAULKING/MATERIALS.
22. COORDINATE FINAL FLOOR DRAIN LOCATIONS WITH ALL EQUIPMENT CONCRETE PADS, TOILET ROOM PARTITIONS, FURNITURE, ETC. OBTAIN EXACT LOCATIONS FROM ALL OTHER CONTRACTORS PRIOR TO INSTALLING DRAINS.
23. CAULK AROUND ALL PLUMBING FIXTURES INSTALLED. CAULK SHALL BE NON-HARDENING, NON-YELLOWING, MILDEW RESISTANT SILICONE AND IN A COLOR SELECTED BY THE ARCHITECT.
24. ANY REFERENCE TO "GC" OR "GENERAL CONTRACTOR" SHALL MEAN THE APPROPRIATE GENERAL TRADES CONTRACTOR. THIS REFERENCE IS NOT TO OUTLINE WORK AMONG GENERAL TRADES CONTRACTORS, BUT TO NOTE WHAT WORK IS NOT A PART OF THE PLUMBING CONTRACT.
25. ALL POTABLE WATER PIPING, DEVICES AND EQUIPMENT SHALL BE NSF-61 COMPLIANT.
26. NO DEAD-LEG SUPPLY (3X PIPE DIA. MAXIMUM) SHALL BE IN PLACE UPON COMPLETION OF PROJECT.
27. ACCESS TO BOTH EXISTING AND NEW VALVES AND TO EQUIPMENT WHICH WILL REQUIRE ROUTINE MAINTENANCE WILL BE THRU ACOUSTIC CEILINGS WHEREVER POSSIBLE. LOCATE VALVES AND EQUIPMENT TO FACILITATE SUCH ACCESS. WHERE ACCESS CANNOT BE GAINED THRU SUSPENDED CEILINGS, GC IS TO PROVIDE ACCESS PANELS OR DOORS FLUSH WITH CEILING.

PLUMBING SYMBOLS



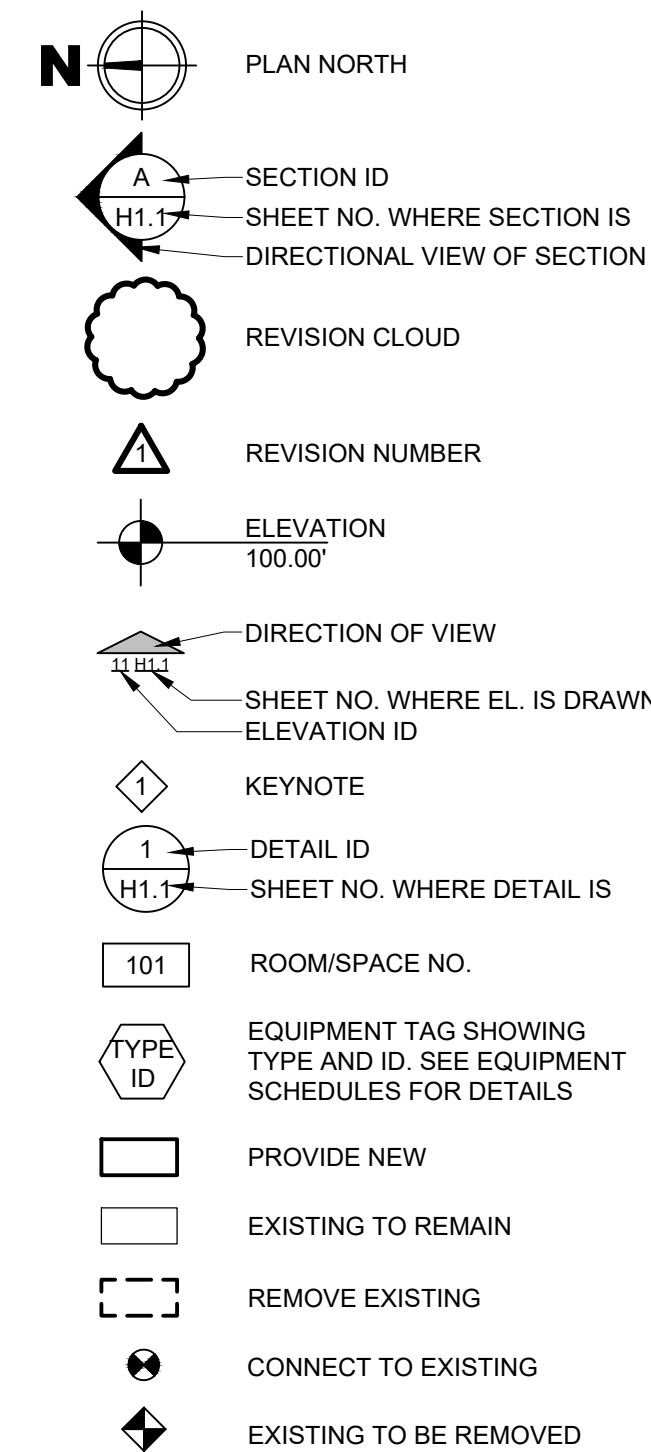
COMMON ABBREVIATIONS

Table with 4 columns of abbreviations and their full names. Includes: A/E ARCHITECT/ENGINEER, AB CLG ABOVE CEILING, ABV ABOVE, AFF ABOVE FINISHED FLOOR, AFI ARC-FAULT INTERRUPTER, AFR ABOVE FINISHED ROOF, ALT ALTERNATE, ATS AUTOMATIC TRANSFER SWITCH, BFC BELOW FINISHED CEILING, C/G COUNTERTOP GFI, CD CORD DROP, CL CENTERLINE, CLG CEILING, CM CEILING MOUNTED, COL COLUMN, CT COUNTERTOP HEIGHT-44" AFF UNO OR CURRENT TRANSFORMER, CR CORD REEL, DBF DOWN BELOW FLOOR, DET DETAIL, DIA DIAMETER, DIM DIMENSION, DL DOOR LOUVER, DN DOWN, DW DISHWASHER, DWG DRAWING, EC ELECTRICAL CONTRACTOR, EL ELEVATION, ELEV ELEVATOR, EMER EMERGENCY, EO EMERGENCY ONLY (NORMALLY OFF), EWC ELECTRIC WATER COOLER (PROVIDE GFI RECEPTACLE), EX EXISTING, FA FIRE ALARM, FBO FURNISHED BY OWNER, FLR FLOOR, FPC FIRE PROTECTION CONTRACTOR, FSC FOOD SERVICE CONTRACTOR, GC GENERAL CONTRACTOR, GFI GROUND-FAULT INTERRUPTER, GND GROUND, HC HVAC CONTRACTOR, HCP HANDICAPPED, HGT HEIGHT, HR HOUR, IR INFRARED, JB JUNCTION BOX, KES KITCHEN EQUIPMENT SUPPLIER, LV LOW-VOLTAGE, MC MECHANICAL CONTRACTOR, MCA MINIMUM CIRCUIT AMPACITY, MOCP MAXIMUM OVERCURRENT PROTECTION, MT MULTITECHNOLOGY, MO MICROWAVE OVEN, NA NOT APPLICABLE, NE NORMAL EMERGENCY (NORMALLY ON), NIC NOT IN CONTRACT, NTS NOT TO SCALE, OFCI OWNER FURNISHED-CONTRACTOR INSTALLED, PC PLUMBING CONTRACTOR, PIR PASSIVE INFRARED, REC RECESSED, SE SERVICE ENTRANCE, SECT SECTION, SHT SHEET, SIM SIMILAR, SPD SURGE PROTECTION DEVICE, SPEC SPECIFICATION, SS SERVICE SINK, STD STANDARD, SUSP SUSPENDED, TBR TO BE REMOVED, TL TASK LIGHT, TR TAMPER RESISTANT, TSTAT THERMOSTAT, UNO UNLESS NOTED OTHERWISE, US ULTRASONIC, W/ WITH, W/O WITHOUT, W WALL-MOUNTED, WP WEATHERPROOF.

PLUMBING ABBREVIATIONS

Table with 4 columns of plumbing abbreviations and their full names. Includes: AD AREA DRAIN, AFG ABOVE FINISHED GRADE, AFR ABOVE FINISHED ROOF, AV ACID VENT, AW ACID WASTE, BFG BELOW FINISHED GRADE, BFP BACKFLOW PREVENTER, BLW BELOW, BOP BOTTOM OF PIPE, BOTT BOTTOM, BTUB BATHTUB, CA COMPRESSED AIR, CD CONDENSATE DRAIN, CFH CUBIC FEET PER HOUR, CIP CAST IRON PIPE, CO CLEAN OUT, CW COLD WATER, DF DRINKING FOUNTAIN, DIP DUCTILE IRON PIPE, DS DOWNSPOUT, DSN DOWNSPOUT NOZZLE, EEW EMERGENCY EYEWASH, ESH EMERGENCY SHOWER, ESE EMERGENCY SHOWER/EYEWASH, EWC ELECTRIC WATER COOLER, EXT EXTERIOR, FD FLOOR DRAIN, FDN FOUNDATION, FS FLOOR SINK, FT FEET, FT HD FEET OF HEAD, FTG FOOTING, GALV GALVANIZED, GH GROUND HYDRANT, GI GREASE INTERCEPTOR, GS GREASE SEPARATOR, GSV GAS SOLENOID VALVE, HB HOSE BIBB, HOR HORIZONTAL, HTG HEATING, HW HOT WATER, HWH HOT WATER HEATER, HWR HOT WATER RETURN, ID INSIDE DIAMETER, INSUL INSULATION, INT INTERIOR, INV INVERT, IW INDIRECT WASTE, KW KILOWATT, LAV LAVATORY, LBS POUNDS, LMB LAUNDRY MACHINE BOX, MFG MANUFACTURER, MB MOP BASIN, MBH 1,000 BTU, MV MIXING VALVE, OD OUTSIDE DIAMETER, ORD OVERFLOW ROOF DRAIN, P PRESSURE GAUGE, PD PRESSURE DROP, PRV PRESSURE REDUCING VALVE, PSIG POUNDS PER SQUARE INCH GAUGE, RCP REINFORCED CONCRETE PIPE, RD ROOF DRAIN, RP RECIRCULATING PUMP, RPM REVOLUTIONS PER MINUTE, RWC RAINWATER CONDUCTOR, S SOIL LINE/STACK, SAN SANITARY SEWER, SK SINK, SH SHOWER, SI SOLIDS INTERCEPTOR, SS SERVICE SINK, T THERMOMETER, TD TRENCH DRAIN, TW TEPID WATER, UR URINAL, V VENT, VER VERTICAL, VTR VENT THRU ROOF, W WASTE, WC WATER CLOSET, WCO WALL CLEAN OUT, WF WASHFOUNTAIN, WH WALL HYDRANT, WHA WATER HAMMER ARRESTER, WSV WATER SOLENOID VALVE.

COMMON SYMBOLS



DRAWING LIST

Table with 2 columns: No. and Description. Lists drawing sheets: P0.1 COVER SHEET, P1.1 SITE PLAN, P2.1 FLOOR PLAN- DRAINAGE, P2.2 ROOF & MEZZANINE PLANS, P3.1 FLOOR PLAN-SUPPLY, P7.1 DETAILS, P8.1 SCHEDULES, H0.1 COVER SHEET, H2.1 FLOOR PLAN, H2.2 ROOF PLAN, H7.1 DETAILS, H8.1 DETAILS & SCHEDULES, E0.1 COVER SHEET, E0.2 ELECTRICAL NOTES, E0.3 SITE PLAN - DEMOLITION, E0.4 SITE PLAN - NEW, E2.1 FLOOR PLAN - LIGHTING, E3.1 FLOOR PLAN - POWER, E4.1 FLOOR PLAN - LOW-VOLTAGE, E5.1 MEZZANINE PLANS, E7.1 DETAILS, E7.2 DETAILS, E7.3 DETAILS, E8.1 SCHEDULES.

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REBUILD - VINCENT G. PANATI PLAYGROUND for PPR/REBUILD PHILADELPHIA 3101-27 N 22ND ST, PHILADELPHIA PA 19132

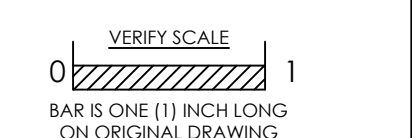


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Date 02/05/2024, Scale: AS NOTED, Job No. 725002, Drawn: JH, Appd.: NRZ

Sheet Title: COVER SHEET

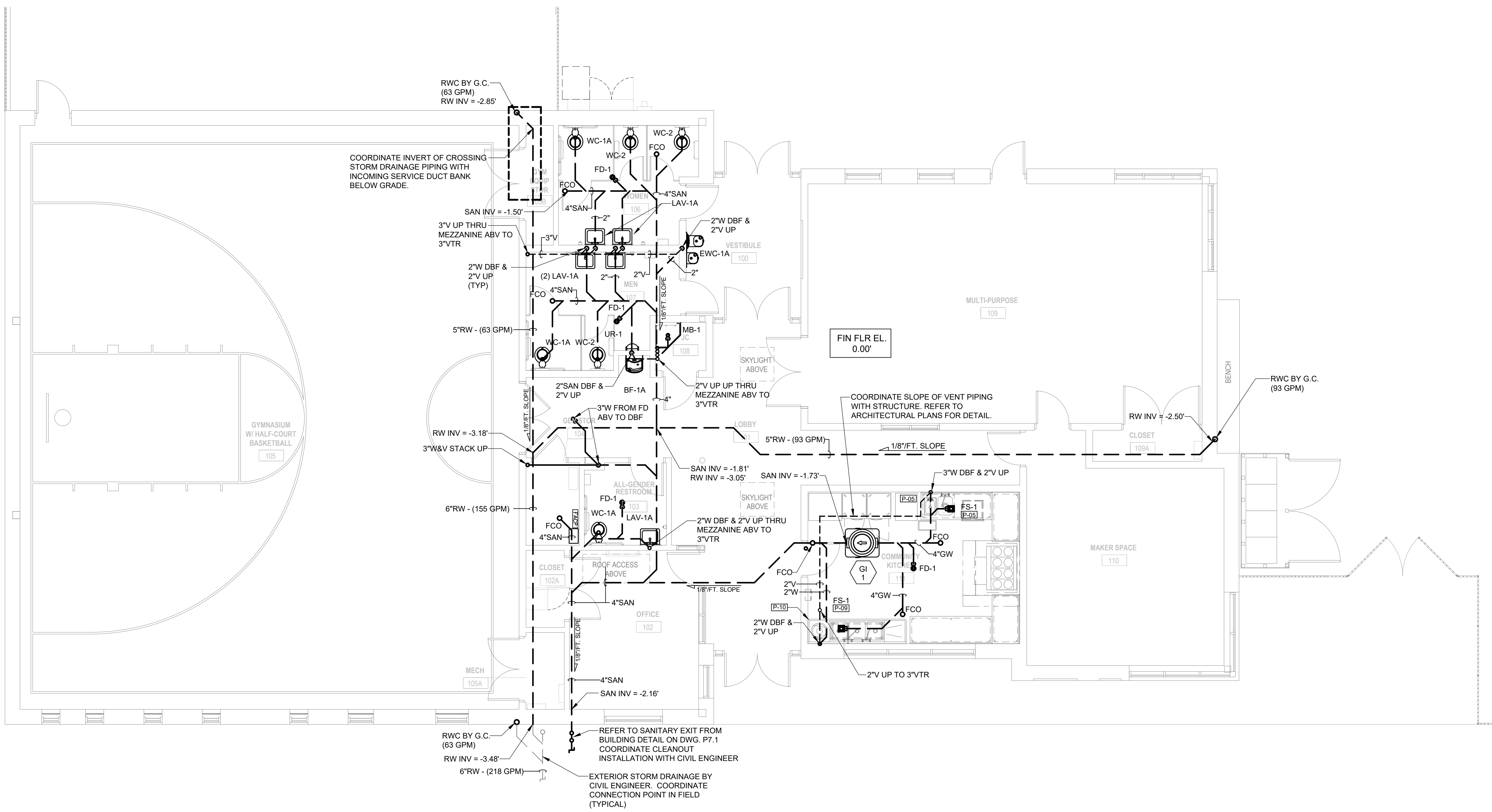
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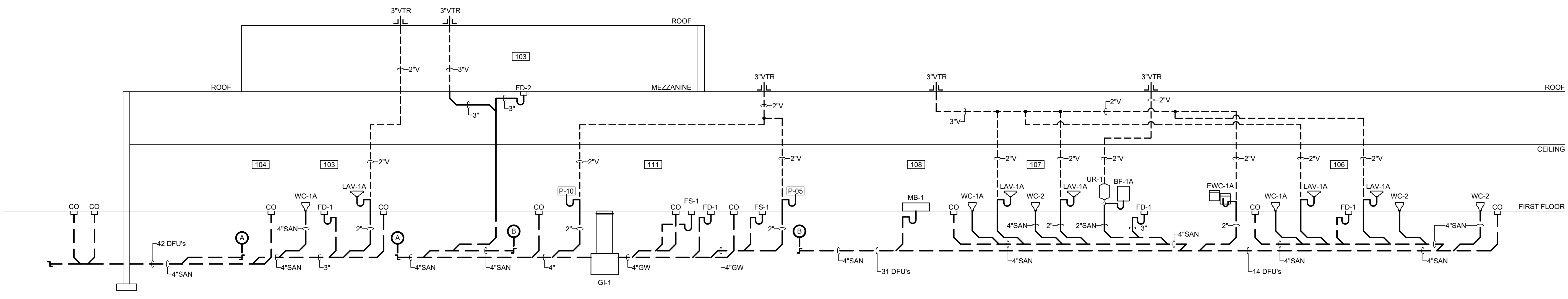






**FLOOR PLAN - DRAINAGE**

Scale: 3/16" = 1'-0"



**DRAINAGE RISER DIAGRAM**

NOT TO SCALE

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 for  
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VERIFY SCALE  
 0 1  
 BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING

No.	Date	By	Description

Date: 02/05/2024  
 Scale: AS NOTED  
 Job No.: 725002  
 Drawn: JH Appd.: NRZ

Sheet Title:  
**FLOOR PLAN - DRAINAGE**

Sheet No.  
**P2.1**

NOT FOR CONSTRUCTION





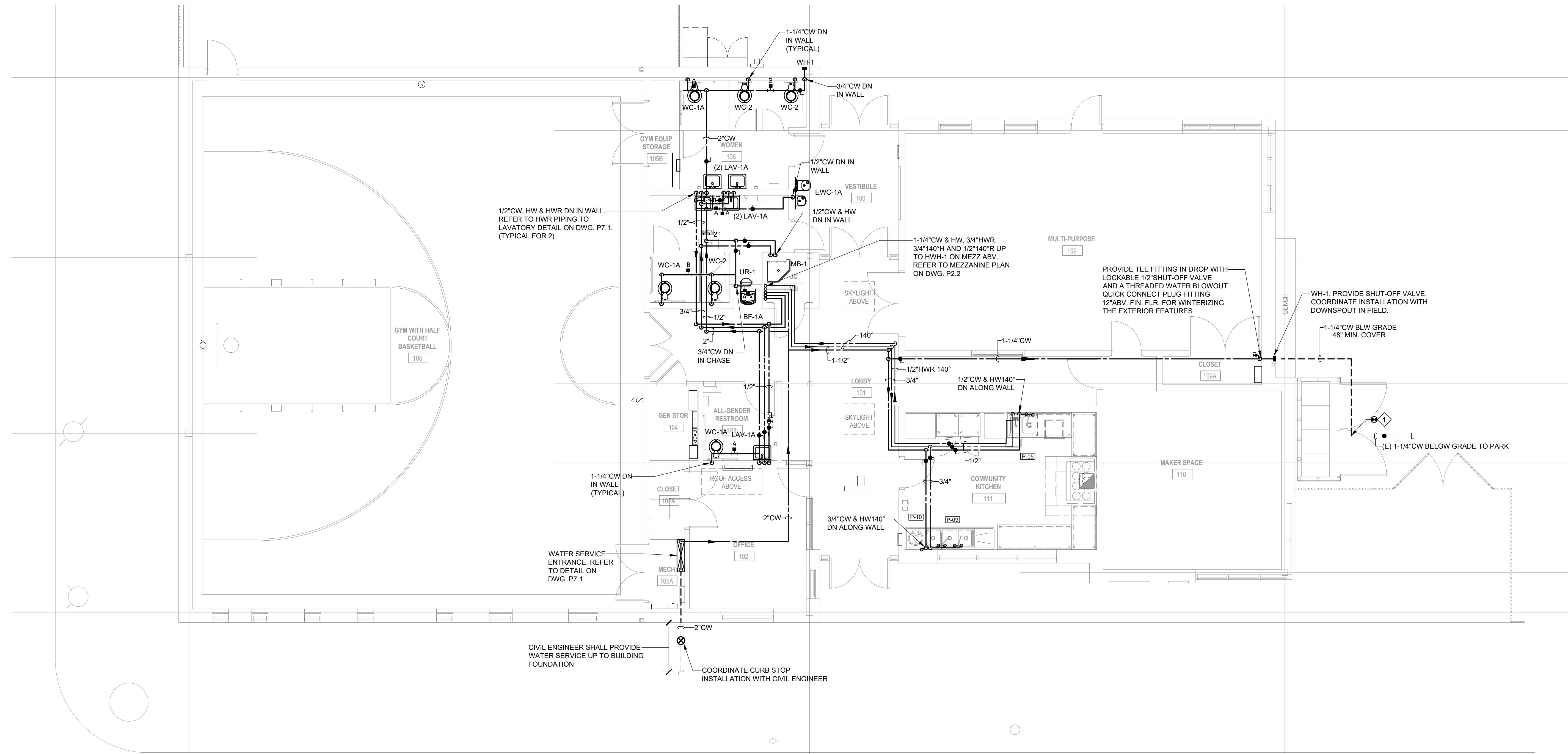


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C



**FLOOR PLAN - SUPPLY**

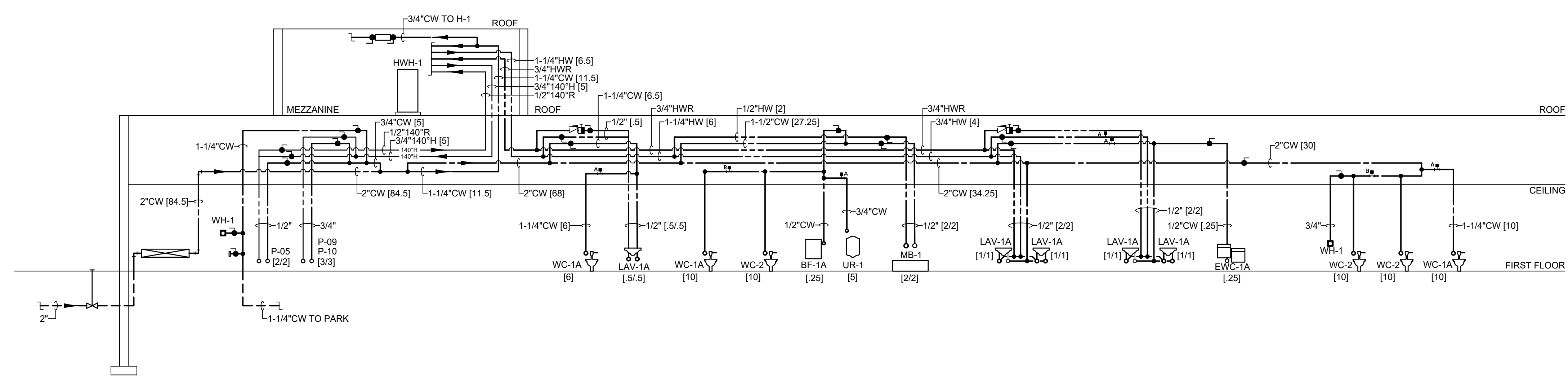
Scale: 3/16" = 1'-0"

**KEYNOTES:**

1. CONNECT NEW 1-1/4" CW TO EXISTING SUPPLY PIPING SERVING OUTSIDE PARK WATER FEATURE. VERIFY EXACT SIZE AND LOCATION OF CONNECTION POINT IN FIELD. MAINTAIN 48" MINIMUM COVER.

D

E



**DOMESTIC SUPPLY RISER DIAGRAM**

NOT TO SCALE

No.	Date	By	Description

Date: 02/05/2024  
Scale: AS NOTED  
Job No.: 725002  
Drawn: JH Appd.: NRZ

Sheet Title:  
**FLOOR PLAN - SUPPLY**

Sheet No.  
**P3.1**

NOT FOR CONSTRUCTION







PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

WATER CLOSET (WC-1A - ADA)

ZURN, Mo. Z5665-BWL-AM, FLOOR MOUNTED, ELONGATED, TOP SPUD, ADA HEIGHT, ANTIMICROBIAL SURFACE, WHITE WITH:
a. ZURN, AQUAVANTAGE AV Mo. Z6000AV-WS1, LOW CONSUMPTION MANUAL FLUSH VALVE, 1.6 GPF;
b. BEMIS OR EQUAL, WHITE, ELONGATED OPEN FRONT SEAT LESS COVER WITH SELF-SUSTAINING CHECK HINGES;
c. CLOSET FLANGE WITH WAX GASKET OR PROSET SYSTEMS PROSEAL CLOSET ASSEMBLY AS REQUIRED;
d. BOLT CAPS;
e. FLUSH VALVE LEVER SHALL BE LOCATED ON ACCESS SIDE;
f. MOUNTING HEIGHT: 16.75" FROM FINISHED FLOOR TO RIM. VERIFY WITH ARCHITECTURAL DRAWINGS;
g. REFER TO ARCHITECTURAL DRAWINGS FOR SPACING. VERIFY LOCATION OF ADA COMPLIANT FIXTURES SHOWN ON THE PLUMBING DRAWINGS WITH THE ARCHITECTURAL DRAWINGS.

WATER CLOSET (WC-2)

ZURN, Mo. Z5665-BWL-AM, FLOOR MOUNTED, ELONGATED, TOP SPUD, ANTIMICROBIAL SURFACE, WHITE WITH:
a. ZURN, AQUAVANTAGE AV Mo. Z6000AV-WS1, LOW CONSUMPTION MANUAL FLUSH VALVE, 1.6 GPF;
b. BEMIS OR EQUAL, WHITE, ELONGATED OPEN FRONT SEAT LESS COVER WITH SELF-SUSTAINING CHECK HINGES;
c. CLOSET FLANGE WITH WAX GASKET OR PROSET SYSTEMS PROSEAL CLOSET ASSEMBLY AS REQUIRED;
d. BOLT CAPS;
e. FLUSH VALVE LEVER SHALL BE LOCATED ON ACCESS SIDE;
f. REFER TO ARCHITECTURAL DRAWINGS FOR SPACING.

URINAL (UR-1)

ZURN, Mo. Z5730 TOP SPUD, SIPHON JET, WHITE WITH:
a. ZURN AQUAVANTAGE AV Mo. Z6003AV-WS1, MANUAL, EXPOSED DIAPHRAGM FLUSH VALVE, 1.0 GPF;
b. ZURN, Mo. Z1221-EZ URINAL SUPPORT, BOLT SUPPORT TO FLOOR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS;
c. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND SPACING. VERIFY LOCATION OF ADA COMPLIANT FIXTURES SHOWN ON THE PLUMBING DRAWINGS WITH THE ARCHITECTURAL DRAWINGS.

LAVATORY (LAV-1A - ADA)

ZURN, Mo. Z5384 HIGH-BACK WALL HUNG, 4" CENTER FAUCET HOLES, WHITE, WITH:
a. CHICAGO, Mo. 15505E3P3MOP DECK MOUNTING CHROME PLATED FAUCET, VANDAL-PROOF PRESSURE-COMPENSATING 0.35 GPM NON-AERATING SPRAY OUTLET, INTERNAL CONTROL MIXER, AND 4" C.C. DECK COVER PLATE;
b. MCGUIRE GRID DRAIN WITH TAILPIECE, (PROWRAP SERIES) MOLDED CLOSED CELL VINYL, ANTIMICROBIAL;
c. MCGUIRE (PROWRAP SERIES) MOLDED, CLOSED CELL VINYL, ANTIMICROBIAL 'P' TRAP (1 1/4" x 1 1/2") TO WALL WITH CLEANOUT;
d. MCGUIRE, MODEL LF8V170 CHROME PLATED ALL BRASS QUARTER-TURN BALL VALVE STOPS WITH CHROME BRAIDED SUPPLIES, (SWEAT WITH EXTENSION TO COMPRESSION OR COMPRESSION TO COMPRESSION PREFERRED);
e. ZURN, Mo. Z1231-EZ UNIVERSAL LAVATORY SUPPORT, BOLT SUPPORT TO FLOOR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS;
f. MV-2 - WATTS MODEL LFUSG-B-M3, MOUNT HIGH & TIGHT BELOW LAVATORY ON WALL, SET DELIVERY TEMPERATURE TO 95 DEGREES F. VERIFY TEMPERATURE SETTING WITH OWNER;
g. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND SPACING. VERIFY LOCATION ADA COMPLIANT FIXTURES SHOWN ON THE PLUMBING DRAWINGS WITH THE ARCHITECTURAL DRAWINGS.

NOTE: INSULATE ALL EXPOSED DRAIN AND WATER PIPING ON ADA COMPLIANT FIXTURES WITH MODEL #PW2000 SEAMLESS PROWRAP INSULATION KITS AS MANUFACTURED BY MCGUIRE MFG. CO., INC.

ELECTRIC WATER COOLER (EWC-1A - ADA)

ELKAY, MODEL LVRC1BWSK, WALL-MOUNTED, VANDAL-RESISTANT BI-LEVEL ADA-COMPLIANT COOLER, EZH2O BOTTLE FILLING STATION, FILTERED, 8.0 GPH CHILLING CAPACITY, GREENSPEC LISTED, DURABLE SATIN FINISH STAINLESS STEEL WITH ALL STANDARD EQUIPMENT. PROVIDE:
a. PVC P-TRAP AS REQUIRED WITH CLEANOUT AND WATER SUPPLY SHUT-OFF VALVE;
b. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. INSTALL UNITS AT ADULT ADA HEIGHT IN ACCORDANCE WITH THE MANUFACTURER. VERIFY WITH ARCHITECTURAL DRAWINGS;
c. PROVIDE ELKAY MODEL LKAPR2 CANE APRON.

BOTTLE FILLING STATION (BF-1A - ADA)

ELKAY, MODEL LZWSMBK, IN-WALL ADA BARRIER FREE, EZH2O BOTTLE FILLING STATION, FILTERED, 8.0 GPH CHILLING CAPACITY, GREENSPEC LISTED, DURABLE SATIN FINISH STAINLESS STEEL WITH ALL STANDARD EQUIPMENT. PROVIDE:
a. PVC P-TRAP AS REQUIRED WITH CLEANOUT AND WATER SUPPLY SHUT-OFF VALVE;
b. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. INSTALL UNIT AT ADULT ADA HEIGHT IN ACCORDANCE WITH THE MANUFACTURER.

MOP BASIN (MB-1)

ZURN, Mo. Z1996-24 (24" x 24" x 10") MOP SERVICE BASIN MOLDED HIGH DENSITY COMPOSITE BASIN, PVC DRAIN BODY, STAINLESS STEEL STRAINER 3" GASKETED OUTLET. PROVIDE:
a. CHICAGO, Mo. 445-VBRXKRCFC, CHROME PLATED SERVICE SINK FAUCET WITH VACUUM BREAKER, PAIL HOOK, HOSE THREAD, INTEGRAL SERVICE CHECK STOPS, AND TOP WALL BRACE;
b. ZURN Mo. ZJP1996-HH HOSE AND HOSE BRACKET;
c. ZURN Mo. ZJP1996-MH MOP HANGER LOCATED AS DIRECTED BY THE ARCHITECT;
d. ZURN SILICONE SEALANT;
e. DEEP SEAL P-TRAP ON DRAIN OUTLET.

FLOOR DRAIN - FINISHED AREAS (FD-1)

SMITH, FIG. 2005Y-A WITH 6" DIA. NICKEL BRONZE STRAINER. PROVIDE PROSET SYSTEMS INC. TRAP GUARD IN FLOOR DRAIN STRAINER AND DEEP SEAL P-TRAP ON DRAIN OUTLET. PROVIDE DEEP SEAL P-TRAP WITH CLEANOUT WHERE TRAPS ARE LOCATED ABOVE ACCESSIBLE CEILINGS OR EXPOSED IN MECHANICAL ROOMS.

FLOOR DRAIN - MECHANICAL AREAS (FD-2)

SMITH, FIG. 2508 WITH 6" DIA. NICKEL BRONZE STRAINER. PROVIDE PROSET SYSTEMS INC. TRAP GUARD IN FLOOR DRAIN STRAINER AND DEEP SEAL P-TRAP ON DRAIN OUTLET. PROVIDE DEEP SEAL P-TRAP WITH CLEANOUT WHERE TRAPS ARE LOCATED ABOVE ACCESSIBLE CEILINGS OR EXPOSED IN MECHANICAL ROOMS.

FLOOR CLEANOUT (FCO)

SMITH, FIG. 4028C, INSIDE CAULK OR SPEEDI-SET OUTLET WITH ROUND SCORIATED NICKEL-BRONZE TOP AND TAPER THREAD BRONZE PLUG. PROVIDE CARPET CLAMPING FRAME IN CARPETED FLOORS.

WALL HYDRANT - NON FREEZE (WH-1)

WOODFORD Mo. RB65, AUTOMATIC DRAINING, NON-FREEZE WALL HYDRANT WITH BRONZE RECESSED BOX WITH CHROME PLATED FACE, VACUUM BREAKER, "WATER" CAST ON COVER, WALL CLAMP WHERE APPLICABLE AND CYLINDER LOCK. INSTALL UNIT APPROXIMATELY 24" ABOVE FINISHED GRADE TOTALLY WITHIN THE SAME COLOR MASONRY.

GREASE INTERCEPTOR (GI-1)

SCHIER, MODEL NO. GB-50, HIGH EFFICIENCY INTERCEPTOR, FULLY RECESSED WITH ALL STANDARD EQUIPMENT INCLUDING FACTORY INSTALLED WITH FLOW CONTROL, ENGINEERED 4" INLET AND OUTLET. PROVIDE RISER COLLAR AS REQUIRED. THE ENTIRE EXCAVATION, INSTALLATION AND BACKFILL SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
FLOW RATE: 35 GPM
LIQUID CAPACITY: 35 GALLONS
LBS. GREASE CAPACITY: 142

WATER HEATER (HWH-1)

BRADFORD WHITE, MODEL LE2120T3-3 STORAGE CAPACITY: 119 GALLONS.
RECOVERY: 23 GPH AT 100 DEGREES F. TEMPERATURE RISE
ELECTRICAL REQUIREMENTS: 5.5KW, 208 VOLTS, THREE PHASE. UNIT TO BE FURNISHED WITH ALL STANDARD EQUIPMENT INCLUDING AN ASME TEMPERATURE AND PRESSURE RELIEF VALVE, OPTIONAL VENT KIT AND ASME CONSTRUCTION. THE HEATER WILL BE FACTORY ASSEMBLED AND TESTED REQUIRING ONLY CONNECTIONS TO WATER AND ELECTRICAL. REFER TO THE DETAIL ON THE DRAWINGS AND THE SPECIFICATIONS FOR ADDITIONAL OPTIONAL EQUIPMENT AND INFORMATION.

EXPANSION TANK (EXP-1)

AMTROL, MODEL ST-12-C

CIRCULATING PUMP (CP-1)

BELL & GOSSETT, MODEL NBF-10S/LW IN-LINE STAINLESS STEEL WITH UNION CONNECTIONS. PUMP MOTOR RATED AT 115 VOLTS, SINGLE PHASE, 1/16 HP. IN THE HOT WATER RETURN LINE TO THE HEATER. PROVIDE AN IMMERSION-TYPE AQUASTAT SET TO START THE PUMP WHEN THE WATER TEMPERATURE IN THE LINE DROPS TO 90 DEGREES F. AND STOP THE PUMP WHEN THE TEMPERATURE REACHES 105 DEGREES F. COORDINATE PUMP SHUT-OFF SETTING WITH THE MIXING VALVE SETTING.

CIRCULATING PUMP (CP-2)

BELL & GOSSETT, MODEL NBF-10S/LW IN-LINE STAINLESS STEEL WITH UNION CONNECTIONS. PUMP MOTOR RATED AT 115 VOLTS, SINGLE PHASE, 1/16 HP. IN THE HOT WATER RETURN LINE TO THE HEATER, PROVIDE AN IMMERSION-TYPE AQUASTAT SET TO START THE PUMP WHEN THE WATER TEMPERATURE IN THE LINE DROPS TO 125 DEGREES F. AND STOP THE PUMP WHEN THE TEMPERATURE REACHES 130 DEGREES F. COORDINATE PUMP SHUT-OFF SETTING WITH THE MIXING VALVE SETTING.

THERMOSTATIC MIXING VALVE (MV-1)

POWERS, MODEL LFMM433 ROUGH BRONZE WITH ALL STANDARD EQUIPMENT INCLUDING PARAFFIN COPPER ACTUATOR, HEAVY DUTY COMBINATION STRAINER CHECKSTOPS AND TAMPER-RESISTANT TEMPERATURE ADJUSTMENT CONTROL. VERIFY TEMPERATURE SETTING WITH THE OWNER.

BACKFLOW PREVENTER (BFP-1)

WATTS, MODEL 719QT2-S DOUBLE CHECK VALVE ASSEMBLY WITH STRAINER.

BACKFLOW PREVENTER (BFP-2)

WATTS, MODEL LF909-QT-S, 3/4", REDUCED PRESSURE ZONE WITH BRONZE STRAINER AND QUARTER-TURN BALL VALVES. PROVIDE WATTS 909AG-C AIR GAP. EXTEND DRAIN PIPING CLOSE AS POSSIBLE TO NEAREST FLOOR DRAIN WITHOUT CREATING A TRIPPING HAZARD.

SUBSTITUTIONS

ANY REQUEST FOR A SUBSTITUTION FOR THE PRODUCTS AND MANUFACTURERS SPECIFIED, OR LISTED AS ACCEPTABLE SUBSTITUTES MUST BE MADE IN STRICT ACCORDANCE WITH THE ARCHITECT'S SPECIFICATIONS. SUBSTITUTIONS WILL NOT BE PERMITTED AFTER CONTRACTS ARE AWARDED. ALL SUBSTITUTIONS SHALL BE APPROVED BY OWNER.

THE FOLLOWING MANUFACTURERS ARE CONSIDERED ACCEPTABLE SUBSTITUTES FOR THOSE SPECIFIED, IF APPROVED BY ENGINEER AND OWNER:

PLUMBING FIXTURES: KOHLER, SLOAN
ELECTRIC WATER COOLER: OASIS
DRAINAGE SPECIALTIES: SMITH, JOSAM, WADE
WATER HAMMER ARRESTERS: SMITH, PPP
LAVATORY INSULATION KITS: PLUMBEREX, TRUEBRO
WATER HEATERS: STATE, RHEEM
EXTERIOR WALL HYDRANT: WADE
MIXING VALVE: LEONARD, ACORN, HOLBY
LAVATORY AND SINK FITTINGS: CHICAGO, T & S
WATER CLOSET SEAT: KOHLER, ZURN, SLOAN
FLUSH VALVES: SLOAN
CIRCULATING PUMP: GRUNDFOS, TACO
BACKFLOW PREVENTER: AMES FIRE & WATERWORKS, APOLLO VALVES, ZURN

KITCHEN EQUIPMENT LIST AND CONNECTION SCHEDULE table with columns: ITEM, EQUIPMENT DESCRIPTION, WATER (HOT, COLD), ROUGH-IN HEIGHT, WASTE, ROUGH-IN HEIGHT, COMMENTS

- NOTES:
1. ALL KITCHEN TAG NUMBERS MATCH KITCHEN CONSULTANT TAG NUMBERS.
2. PLUMBING CONNECTION LOCATIONS SHOWN FOR REFERENCE. COORDINATE ROUGH-IN LOCATIONS WITH KITCHEN EQUIPMENT INSTALLER AND PLUMBING ROUGH-IN KITCHEN DRAWINGS.

PLUMBING FIXTURE CONNECTIONS table with columns: ITEM NO., FIXTURE, MINIMUM PIPING CONNECTIONS (TRAP & TRAP ARM, WASTE, VENT, C.W., H.W.)

- 1. WET VENT OR COMBINATION DRAIN AND VENT. REFER TO FLOOR PLAN.
2. 1-1/2" UNLESS NOTED OTHERWISE.
3. CONNECTION SIZES ARE TO BE AS SHOWN ON SCHEDULE, EXCEPT AS OTHERWISE NOTED OR SHOWN ON PLANS.

WATER HAMMER ARRESTER SCHEDULE table with columns: SYMBOL, FIXTURE UNITS, SIOUX CHIEF MODEL NO., SYMBOL, FIXTURE UNITS, SIOUX CHIEF MODEL NO.

A

B

C

D

E

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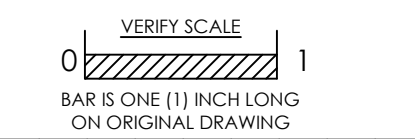


Table with columns: No., Date, By, Description

Date: 02/05/2024
Scale: AS NOTED
Job No.: 725002
Drawn: JH Appd.: NRZ

Sheet Title: SCHEDULES

Sheet No. P8.1



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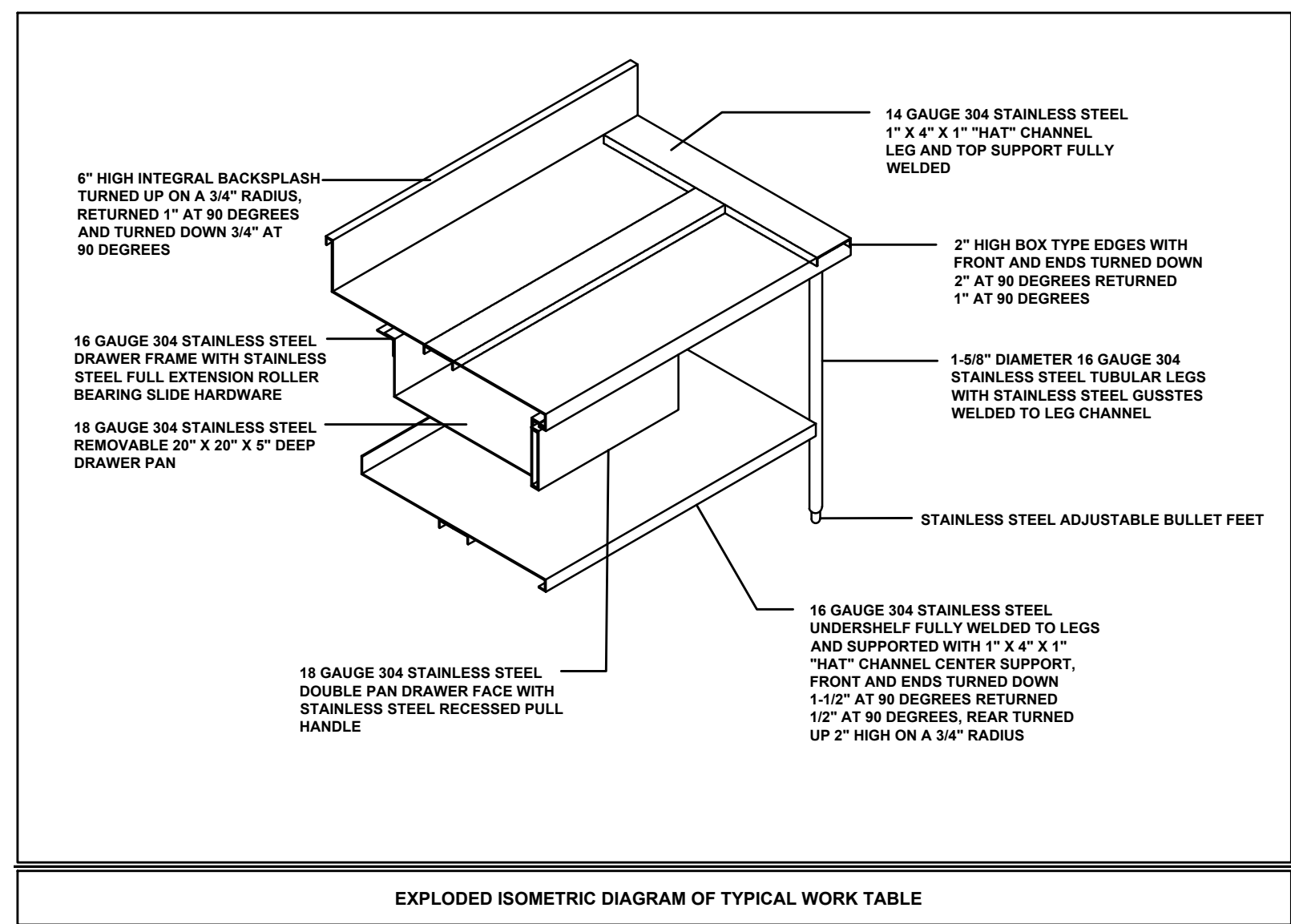
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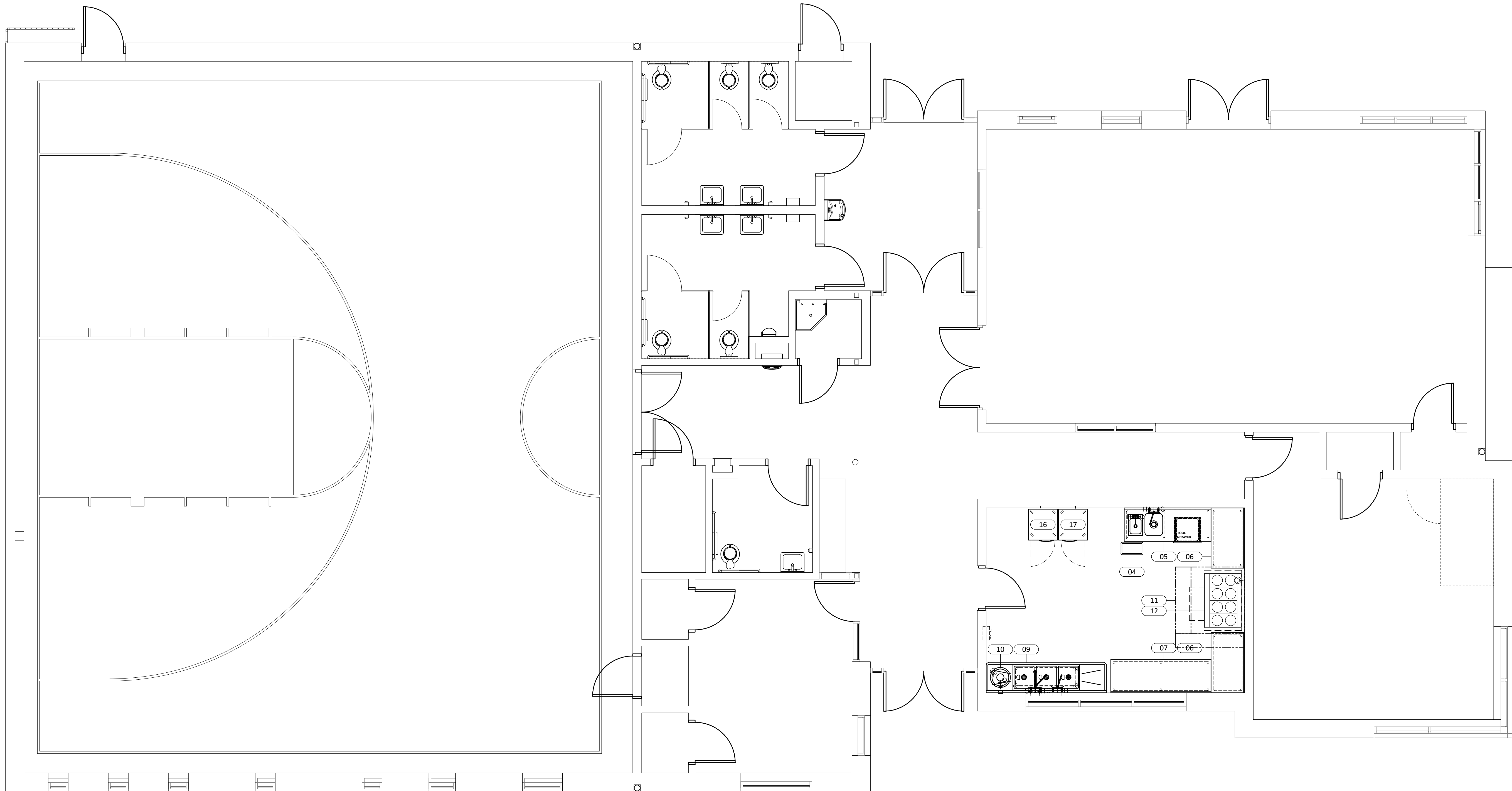
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EQUIPMENT SCHEDULE					
ITEM NO.	QTY	DESCRIPTION	MANUFACTURER	MODEL NUMBER	EQUIPMENT REMARKS
01	-	SPARE NUMBER			
02	-	SPARE NUMBER			
03	-	SPARE NUMBER			
04	1	TRASH CAN, SLIM	RUBBERMAID	FG354060GRAY	
05	1	TABLE, WORK	EAGLE GROUP	T3078SEB-BS	
06	2	TABLE, WORK	EAGLE GROUP	T3054SEB-BS	
07	1	TABLE, WORK	EAGLE GROUP	T3090SEB-BS	
08	-	SPARE NUMBER			
09	1	3-COMPARTMENT SINK	SAPPHIRE STAINLESS	FN2054-3-24-14/3	
10	1	DISPOSER, GARBAGE	SALVAJOR	200-CA-ARSSLD	
11	1	EXHAUST HOOD	CAPTIVE-AIRE		FACE MOUNTED CONTROLS
12	1	RANGE, HEAVY DUTY, ELECTRIC	IMPERIAL RANGE	IR-8-E	
13	1	FREEZER, REACH-IN, SHALLOW DEPTH	CONTINENTAL	1FSN	
14	1	REFRIGERATOR, REACH-IN, SHALLOW DEPTH	CONTINENTAL	1RSN	



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**VINCENT G. PANATI PLAYGROUND**  
for  
**REBUILD PHILADELPHIA**  
W. LIPPINCOTT & N. 22ND STREETS

VERIFY SCALE  
0 1  
BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING

No.	Description	By	Date

Date: 02/05/2024  
Scale: 1/4" = 1'-0"  
Job No.: 604.2  
Drawn: NB,KN Appd.: CS

Sheet Title:  
**FOODSERVICE EQUIPMENT PLAN AND SCHEDULE**

Sheet No.  
**FS-1.0**

NOT FOR CONSTRUCTION







1

2

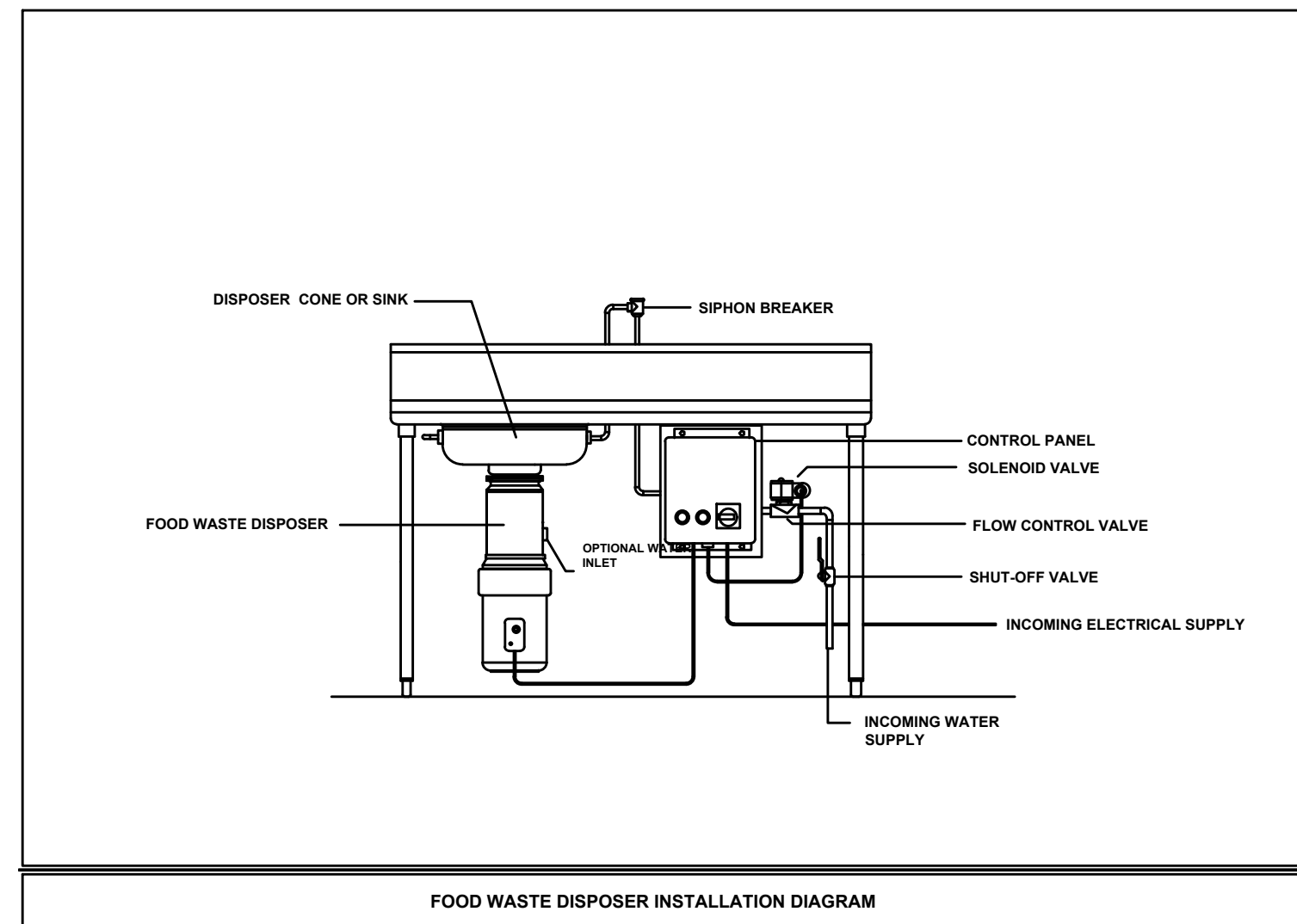
3

4

5

6

A



**LEGEND - PLUMBING CONNECTIONS**

- CW-COLD WATER
- HW-HOT WATER
- GAS
- WASTE, DIRECT-CONNECTED UNLESS NOTED "OPEN HUB"
- FLOOR DRAIN
- FLOOR SINK WITH HALF GRATE UNLESS NOTED OTHERWISE
- FIELD CONNECTIONS

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**PLUMBING SCHEDULE**

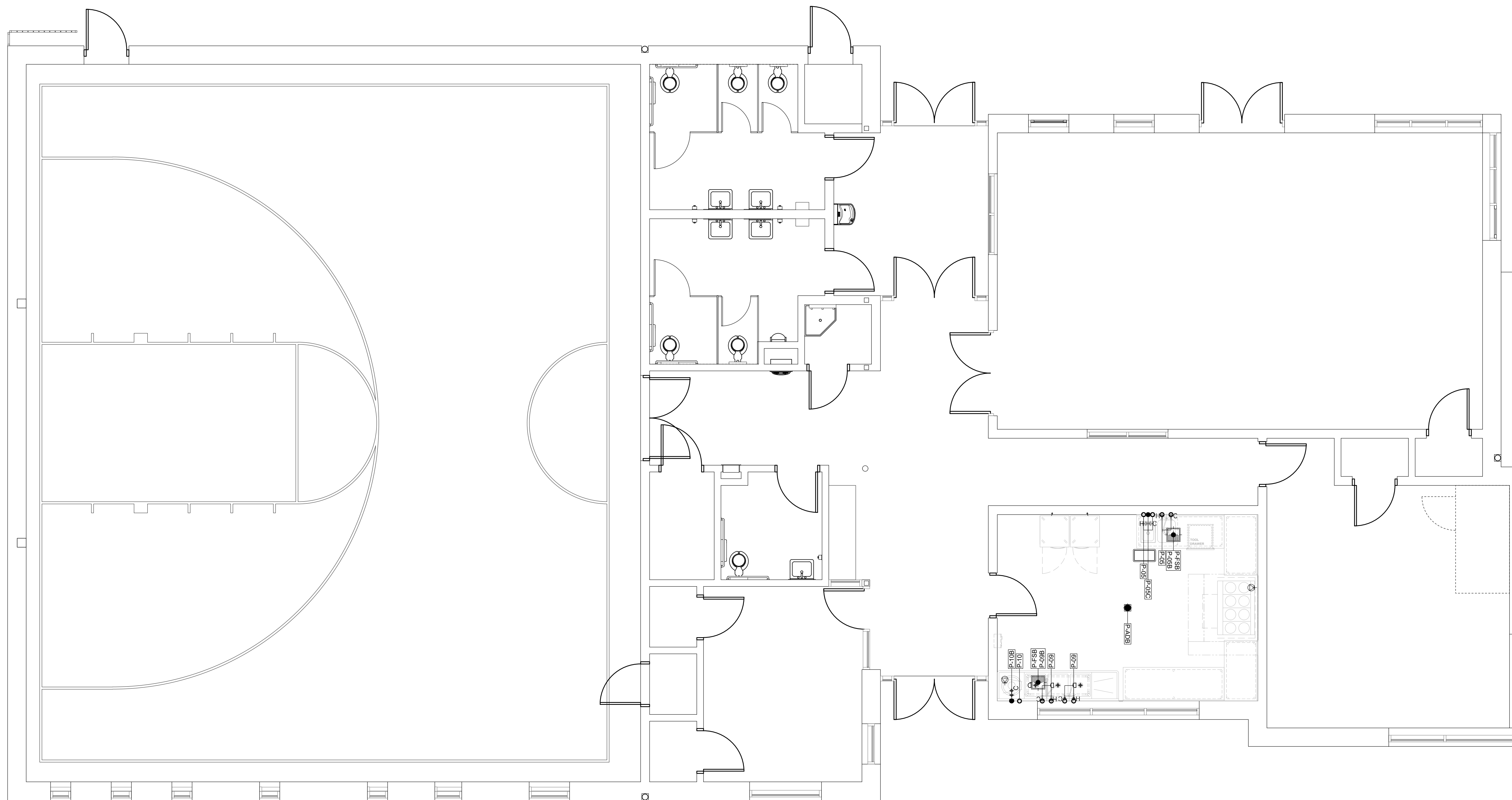
ITEM NO.	QTY	DESCRIPTION	COLD WATER SIZE (IN.)	HOT WATER SIZE (IN.)	WATER CONN. HT. AFF (IN.)	INDIR. DRAIN SIZE (IN.) [B]	DIRECT DRAIN SIZE (IN.) [C]	DIRECT DRAIN HT. AFF (IN.)	PLUMBING REMARKS
P-05	1	TABLE, WORK	1/2	1/2	18	1 1/2	1 1/2	24	
P-09	1	3-COMPARTMENT SINK	1/2	1/2	18	1 1/2			
P-10	1	DISPOSER, GARBAGE	1/2		18		2	14	
P-FS	LOT	FLOOR SINK - N.I.C. - BY OTHERS					4	*	*DRAIN FLOOR
P-AD	LOT	AREA DRAIN - N.I.C. - BY OTHERS					3	*	*DRAIN FLOOR

B

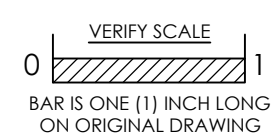
C

D

E



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No.	Date	By	Description

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Sheet Title:  
**FOODSERVICE PLUMBING PLAN AND SCHEDULE**

Sheet No.

**FS-1.2**

**NOT FOR CONSTRUCTION**







