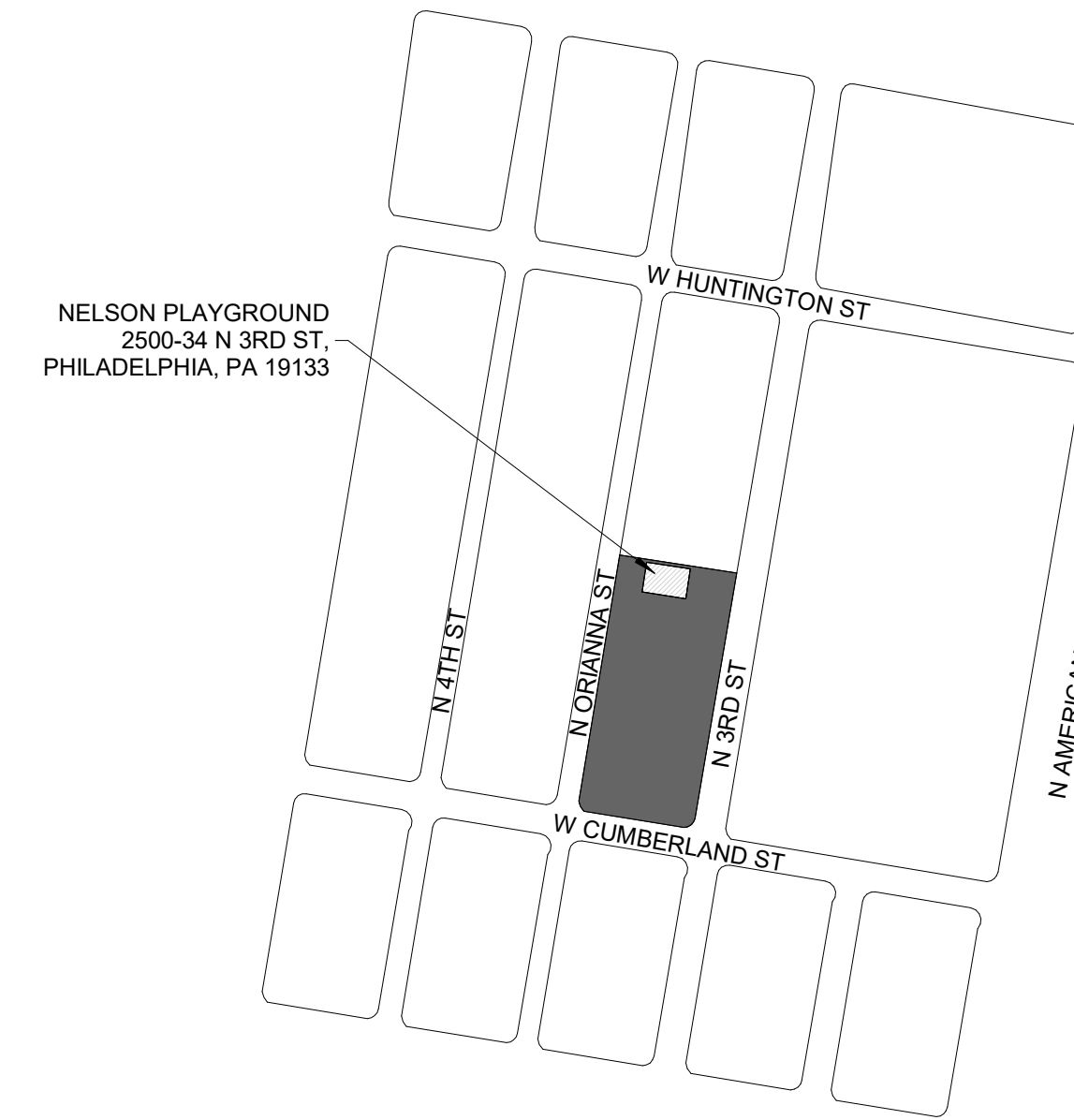
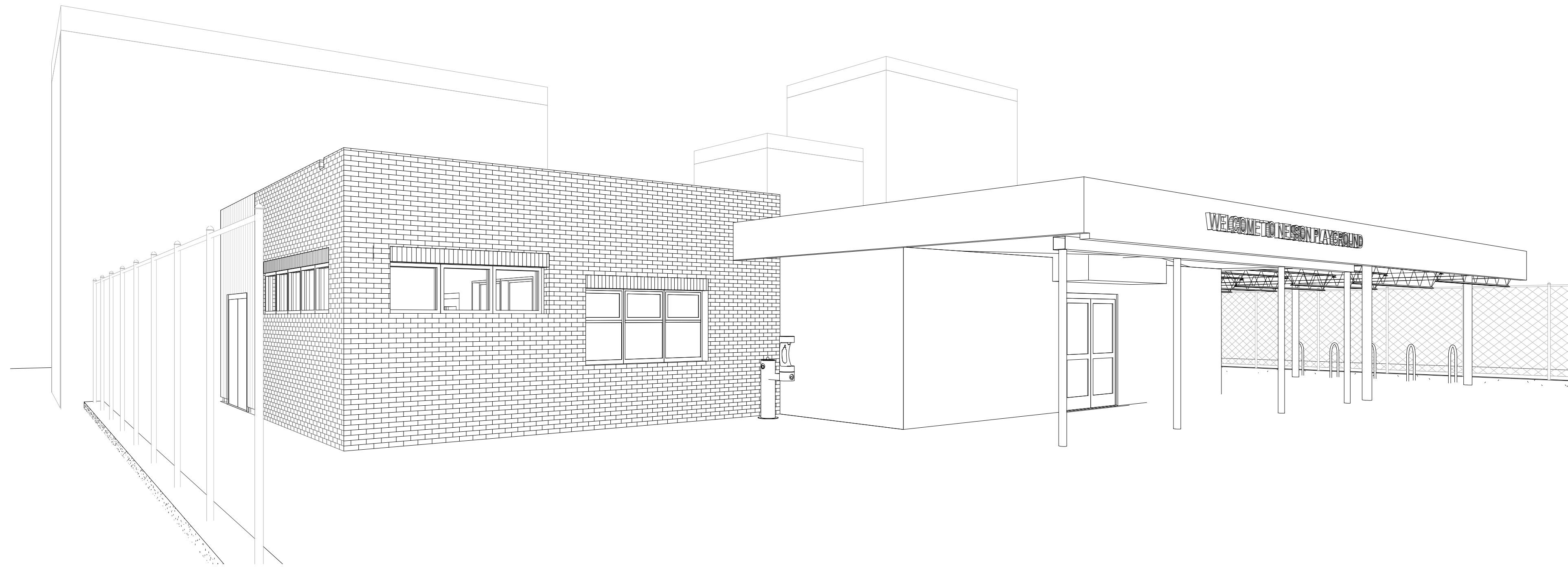


**Attachment D-**  
**Contract Drawings**

# NELSON PLAYGROUND RENOVATION & ADDITION

301 W Cumberland St, Philadelphia, PA 19133



ARCHITECTURAL & SYSTEMS

PERMIT SUBMITTAL

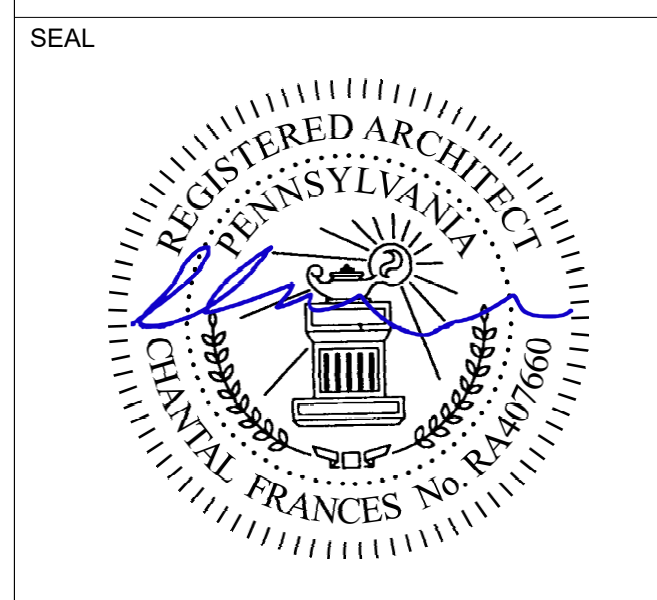
10/23/20

SHEET NUMBER	SHEET NAME
G0.0	COVER SHEET
G0.1	SYMBOLS & ABBREVIATIONS
G0.2	LIFE SAFETY PLAN & CODE ANALYSIS
G0.3	ILLUSTRATIVE SITE PLAN
AD1.0	ROOF DEMOLITION PLAN
AD1.1	FLOOR DEMOLITION PLAN
AD1.2	REFLECTED CEILING DEMOLITION PLAN
AD2.0	ELEVATIONS DEMOLITION
A1.0	ROOF PLAN
A1.1	FLOOR PLAN
A1.2	REFLECTED CEILING PLANS
A1.3	FINISH PLAN
A2.0	EXTERIOR ELEVATIONS
A3.0	WALL SECTIONS & DETAILS
A4.0	ENLARGED PLANS AND ELEVATIONS
A4.1	INTERIOR ELEVATIONS, MISC DETAILS
A5.0	CASEWORK DETAIL
A5.1	STOREFRONT DETAILS
A6.0	SCHEDULES
S0.1	GENERAL NOTES
S0.2	SPECIAL INSPECTIONS
S1.1	STRUCTURAL PLANS
S5.1	TYPICAL DETAILS (FOUNDATION)
S5.2	TYPICAL DETAILS (CMU)
S5.3	TYPICAL DETAILS (JOIST AND DECK)
M0.01	SYMBOLS, SCHEDULES, NOTES, DETAILS AND ABBREVIATIONS
MD1.01	FLOOR PLAN - DEMOLITION
M1.01	FLOOR PLAN
M6.01	SCHEDULES
M7.01	CONTROLS
P0.01	SYMBOLS, SCHEDULES, NOTES, DETAILS AND ABBREVIATIONS
PD1.01	FOUNDATION PLAN - PLUMBING DEMOLITION
PD1.02	FLOOR PLAN - PLUMBING DEMOLITION
P1.01	FOUNDATION PLAN - PLUMBING NEW
P1.02	FLOOR PLAN - PLUMBING NEW
P1.03	ROOF PLAN
E0.01	SYMBOLS, SCHEDULES, NOTES, DETAILS AND ABBREVIATIONS
E1.01	FLOOR PLAN - ELECTRICAL DEMOLITION
E2.01	FLOOR PLAN - ELECTRICAL
E2.02	FLOOR PLAN - ELECTRICAL
E2.03	ROOF PLAN - ELECTRICAL
E3.01	PANEL SCHEDULES AND ONE-LINE DIAGRAMS

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
 Philadelphia Parks & Recreation  
 and Department of Public Property  
 1515 Arch Street, 11th Floor  
 Philadelphia, PA 19102  
 Contact: Charles Mottershead, 215.683-4466



**PROJECT TEAM**  
**STRUCTURAL ENGINEER:**  
 JOHNSON, MIRIRAN, AND THOMPSON, INC.  
 1600 MARKET ST, SUITE 520  
 PHILA, PA 19103

**SYSTEMS ENGINEER:**  
 JOHNSON, MIRIRAN, AND THOMPSON, INC.  
 1600 MARKET ST  
 PHILA, PA 19103

CITY OF PHILADELPHIA  
 DEPARTMENT OF PUBLIC PROPERTY  
 1515 ARCH STREET  
 11TH FLOOR, ONE PARKWAY BUILDING  
 PHILADELPHIA, PENNSYLVANIA

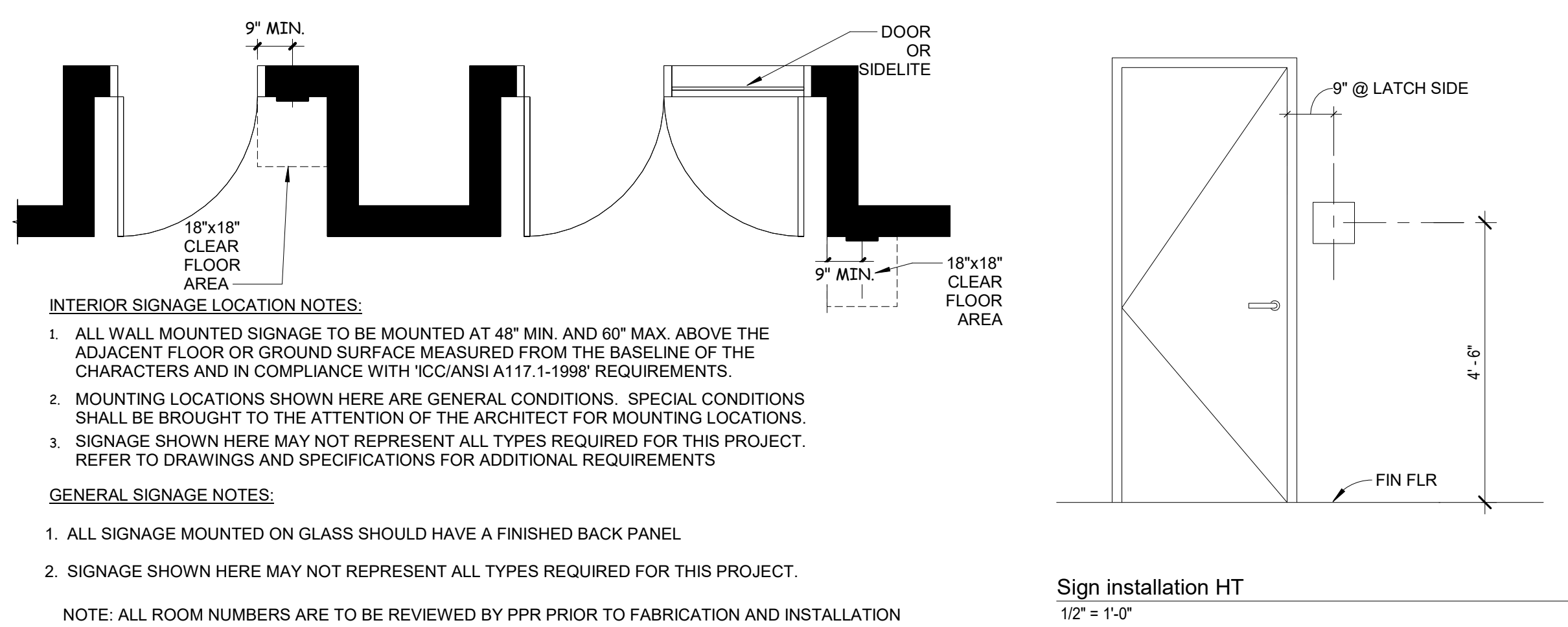
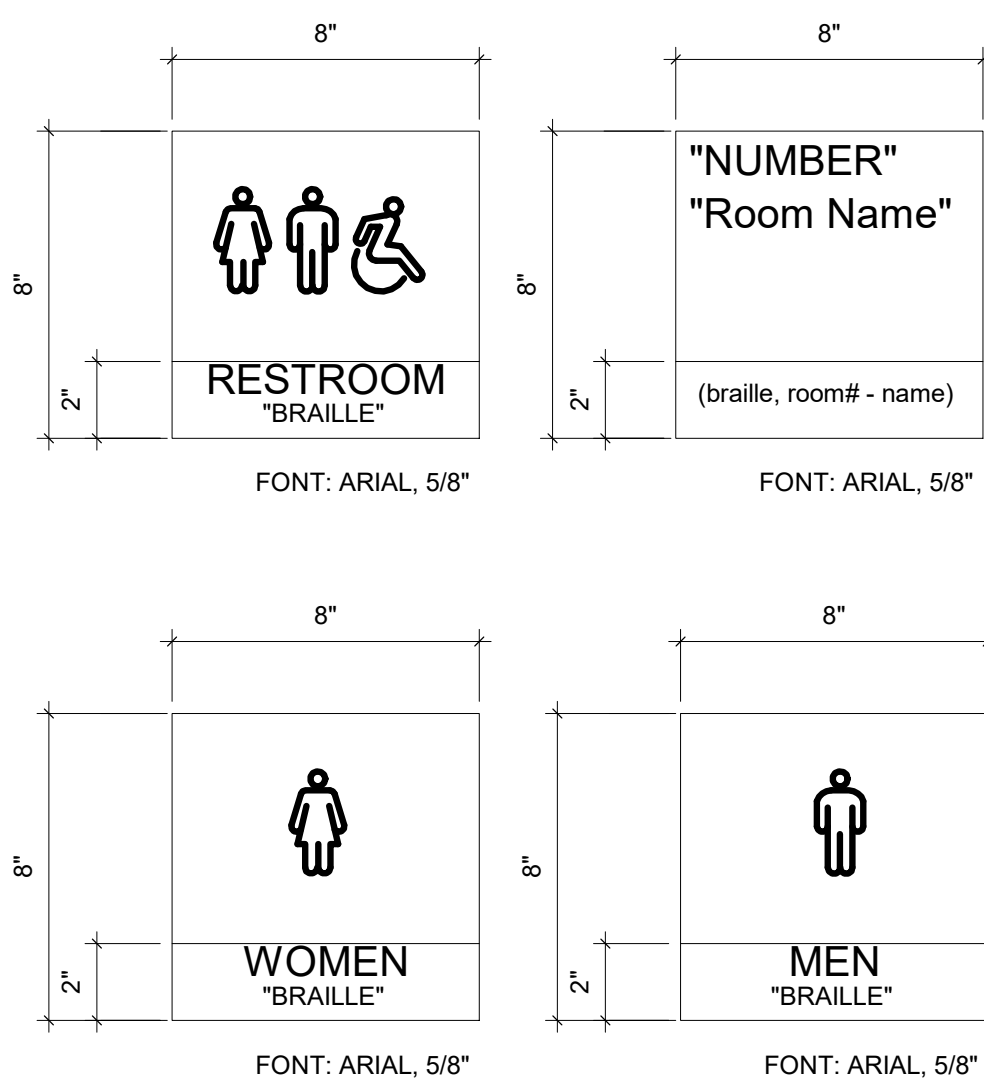
PROJECT TITLE  
 NELSON PLAYGROUND

DRAWING TITLE  
 COVER SHEET

PROJECT NO. 10-20-XXXX-01	DRAWING NO. <b>G0.0</b>
DATE:	
SCALE: AS NOTED	
DRAWN BY: MH	
CHECKED BY: MJ	FILE:

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





SIGNAGE SCHEDULE	
ROOM	NO.
FOYER	1
MECHANICAL	2
BOYS' RM	3
STOR.	4
GIRLS' RM	5
JAN	6
CONFERENCE/MEETING ROOM	7
KITCHEN	8
CORRIDOR	9
STORAGE	10
OFFICE	11
CLOSET	12
COURTYARD	13
COMPUTER LAB	14
TOILET	15

**INTERIOR SIGNAGE LOCATION NOTES:**

- ALL WALL MOUNTED SIGNAGE TO BE MOUNTED AT 48" MIN. AND 60" MAX. ABOVE THE ADJACENT FLOOR OR GROUND SURFACE MEASURED FROM THE BASELINE OF THE CHARACTERS AND IN COMPLIANCE WITH 'ICC/ANSI A117.1-1998' REQUIREMENTS.
- MOUNTING LOCATIONS SHOWN HERE ARE GENERAL CONDITIONS. SPECIAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR MOUNTING LOCATIONS.
- SIGNAGE SHOWN HERE MAY NOT REPRESENT ALL TYPES REQUIRED FOR THIS PROJECT. REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

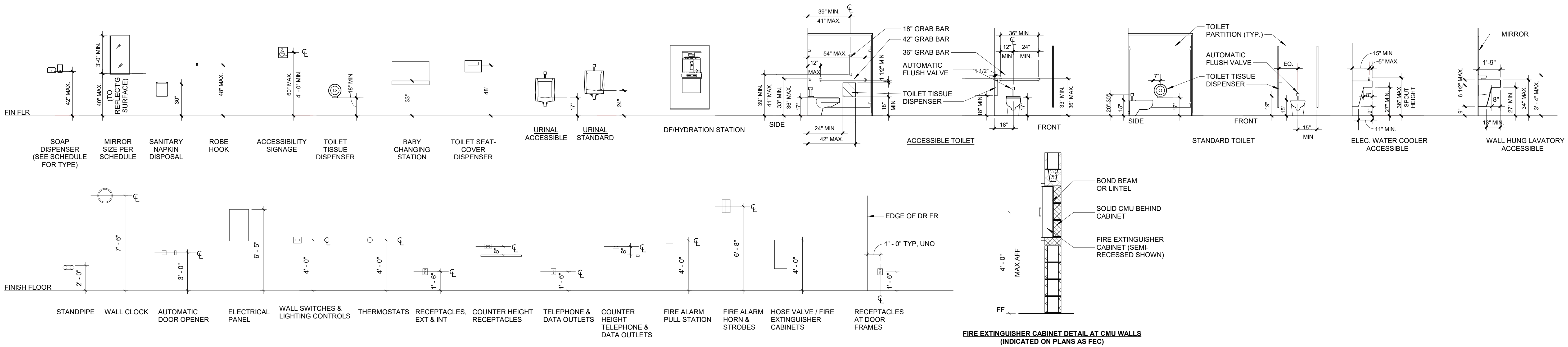
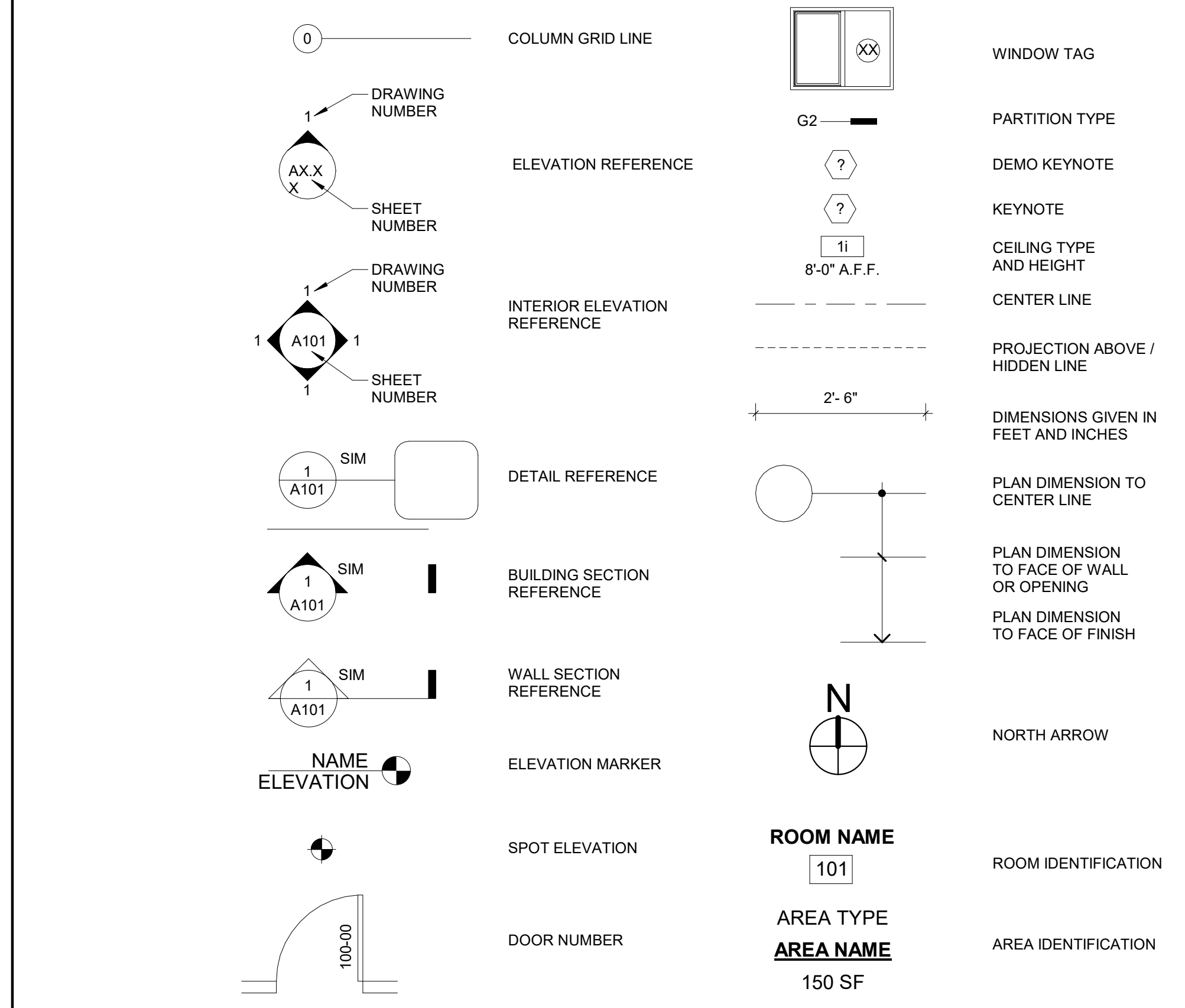
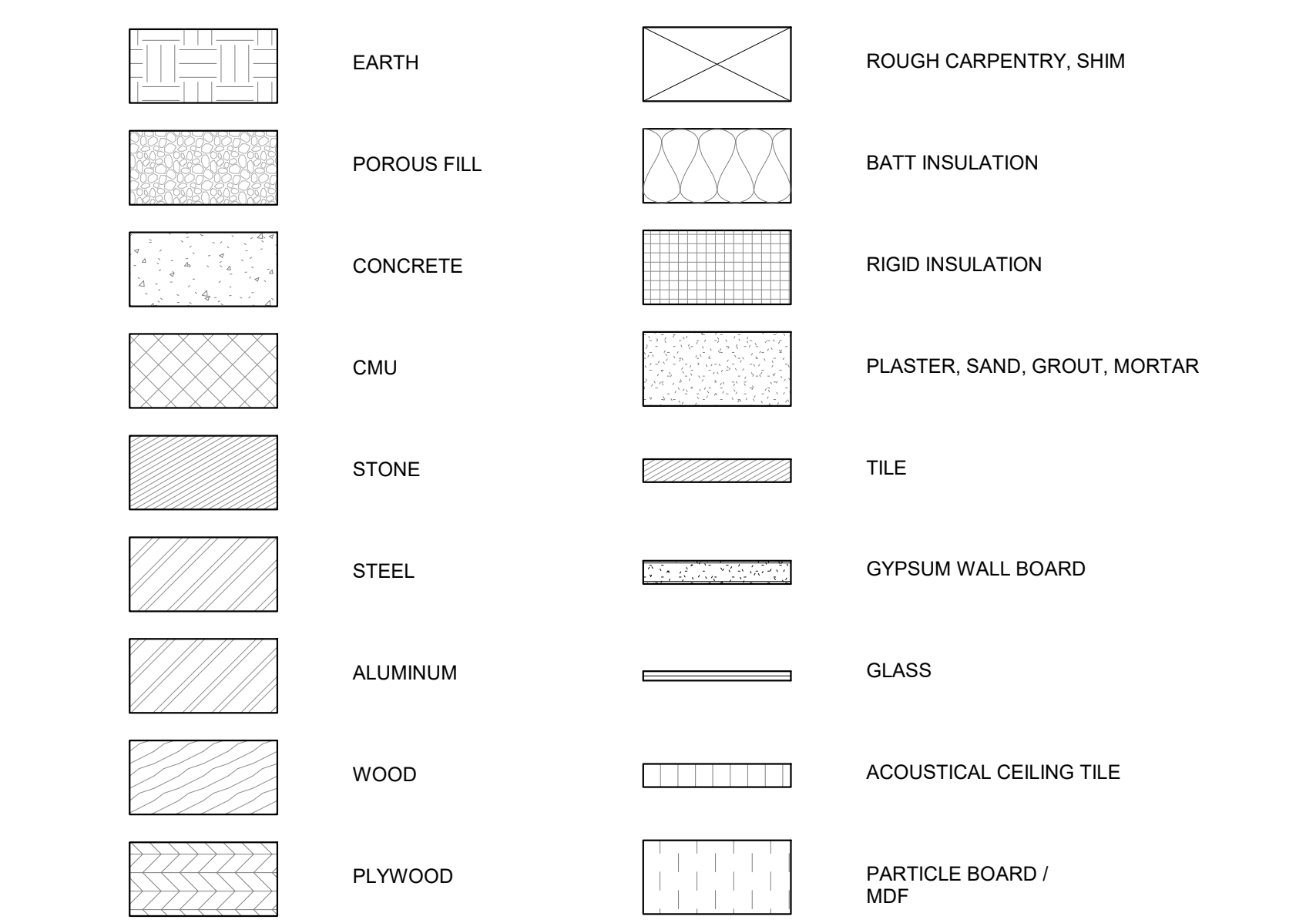
**GENERAL SIGNAGE NOTES:**

- ALL SIGNAGE MOUNTED ON GLASS SHOULD HAVE A FINISHED BACK PANEL
- SIGNAGE SHOWN HERE MAY NOT REPRESENT ALL TYPES REQUIRED FOR THIS PROJECT.

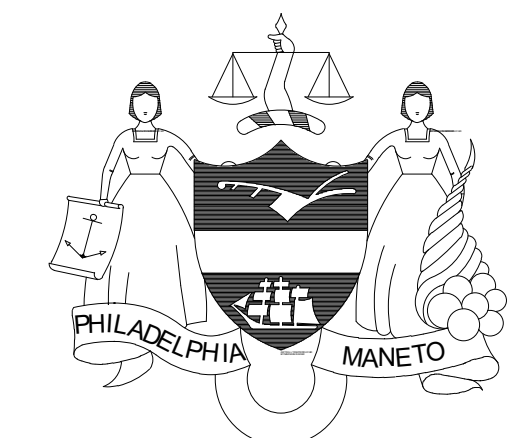
NOTE: ALL ROOM NUMBERS ARE TO BE REVIEWED BY PPR PRIOR TO FABRICATION AND INSTALLATION

Sign installation HT  
1/2" = 1'-0"

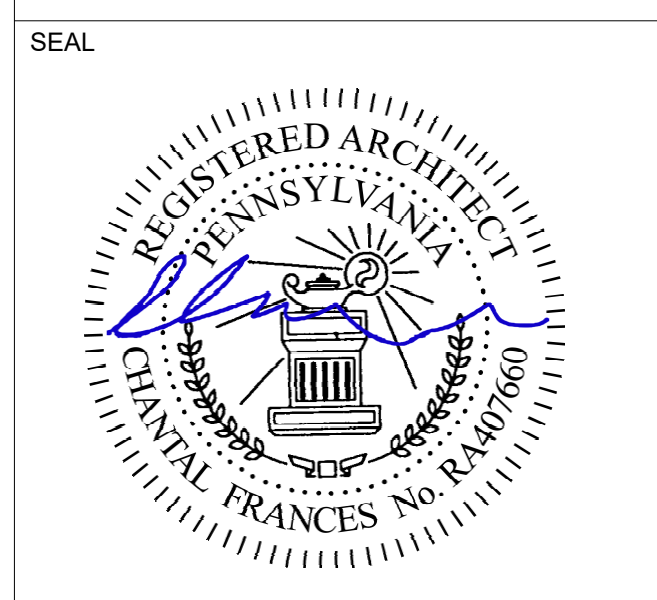
@	AT	FAB	FABRICATED	O.D.	OUTSIDE DIAMETER
A.B.	ANCHOR BOLT	FD	FLOOR DRAIN	OH	OVERHEAD
A.F.F.	ABOVE FINISHED FLOOR	FE(C)	FIRE EXTINGUISHER (CABINET)	OPNG	OPENING
ACP	ACOUSTICAL CEILING PANEL	FIN	FINISH	OPP (HD)	OPOSITE (HAND)
ADA	AMERICANS WITH DISABILITIES ACT COMPLIANT	FLR(G)	FLOOR(ING)	PART	PARTITION
ADJ	ADJUSTABLE	FLUOR	FLUORESCENT	PLAM	PLASTIC LAMINATE
AHU	AIR HANDLING UNIT	FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	PLYWD	PLYWOOD
ALT	ALTERNATE	FT	FOOT(ING)	PNL(G)	PANEL(ING)
ALUM	ALUMINUM	GA	GAUGE	FR	PAIR
APPROX	APPROXIMATE	GAL	GALLON	PT	PRESSURE TREATED
ARCH	ARCHITECTURAL	GALV	GALVANIZED	PVF	POLYVINYLFLUORIDE
B.O.	BOTTOM OF	GC	GENERAL CONTRACTOR	QT	QUARRY / QUARTZ TILE
BKHD	BULKHEAD	GL	GLASS / GLAZING	R	RADIUS
BLDG	BUILDING	GWB	GYPSUM WALL BOARD	R&R	REVISE AND RESUBMIT
BLKG	BLOCKING	GYP	GYPSUM	RD	ROOF DRAIN
BOT	BOTTOM	H	HIGH	REF	REFRIGERATOR
BTWN	BETWEEN	HDR	HEADER	REINF	REINFORCED
BUR	BUILT UP ROOF	HDWR	HARDWARE	REQD	REQUIRED
C.O.	CLEAN OUT	HM	HOLLOW METAL	REV	REVISED, REVISION
CAB	CABINET	HORIZ	HORIZONTAL	RM	ROOM
CL	CENTER LINE	HT	HEIGHT	RO	ROUGH OPENING
CLG	CEILING	HVAC	HEATING VENTILATING & AIR CONDITIONING	RTU	ROOF TOP UNIT
CLOS	CLOSET	HW	HOT WATER	SAN	SANITARY
CLR	CLEAR, CLEARANCE	HHW	HOT WATER HEATER	SC	SOLID CORE
CM	CONSTRUCTION MANAGER	I.D.	INSIDE DIAMETER	SECT	SECTION
CMU	CONCRETE MASONRY UNIT	INSUL	INSULATION	SG	SEMI-GLOSS
COL	COLUMN	INT	INTERIOR	SGL	SINGLE
CONC	CONCRETE	JAN	JANITOR	SHT	SHEET
CONST	CONSTRUCTION	JT	JOINT	SIM	SIMILAR
CONT	CONTINUOUS	L	LONG, LENGTH	SPC(S)	SPECIFICATION(S)
CONTR	CONTRACTOR	LAM	LAMINATE	SQ	SQUARE
CT	CERAMIC TILE	LB(S)	POUND(S)	SS	STAINLESS STEEL
CW	COLD WATER	LLV	LONG LEG VERTICAL	STD	STANDARD
D	DEEP, DEPTH	LT(G)	LIGHT(ING)	STL	STEEL
DBL	DOUBLE	MAS	MASONRY	STOR	STORAGE
DET	DETAIL	MATL	MATERIAL	STRUCT	STRUCTURAL
DIA	DIAMETER	MDF	MEDIUM DENSITY FIBERBOARD	SVC	SERVICE
DIM	DIMENSION	MDO	MEDIUM DENSITY OVERLAY	SW	STORM WATER
DN	DOWN	MECH	MECHANICAL	T	TALL
DS	DOWN SPOUT	MEMB	MEMBRANE	T&G	TONGUE & GROOVE
DW	DISH WASHER	MFR	MANUFACTURER	T.O.	TOP OF
DWG	DRAWING	MIN	MINIMUM	T.O.	TOP OF
(E)	EXISTING	MISC	MISCELLANEOUS	TEL	TELEPHONE
EA	EACH	MO	MASONRY OPENING	TEMP	TEMPORARY
EIFS	EXTERIOR INSULATION FINISH SYSTEM	MTD	MOUNTED	TEMP	TEMPORARY
ELEC	ELECTRICAL	MTL	METAL	THK	THICK
EMER	EMERGENCY	(N)	NEW	THK	THICK
ENCL	ENCLOSURE	NIC	NOT IN CONTRACT	TYP	TYPICAL
EPS	EXPANDED POLYSTYRENE	NO.	NUMBER	UC	UNDERCUT
EQU	EQUAL	NOM	NOMINAL	UC	UNDERCUT
EQUIP	EQUIPMENT	NTS	NOT TO SCALE	UNO	UNLESS NOTED OTHERWISE
ETR	EXISTING TO REMAIN	O.A.	OVERALL	UTIL	UTILITY
EXIST	EXISTING	O.C.	ON CENTER	VAR	VARIES
EXP JT	EXPANSION JOINT			VCT	VINYL COMPOSITION TILE
EXT	EXTERIOR			VERT	VERTICAL
F.O.	FACE OF			VIF	VERIFY IN FIELD
				W	WIDE
				W/O	WITHOUT
				WD	WOOD
				WIN	WINDOW
				WT	WEIGHT



REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Tara Rasheed, 215-683-0252



**PROJECT TEAM**  
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1600 MARKET STREET, SUITE 520  
PHILADELPHIA, PA 19103  
267.256.0300 | WWW.JMT.COM

**STRUCTURAL ENGINEER:**  
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PHILADELPHIA, PA 19103  
267.256.0300 | WWW.JMT.COM

**CITY OF PHILADELPHIA**  
**DEPARTMENT OF PUBLIC PROPERTY**  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
SYMBOLS & ABBREVIATIONS

<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b> G0.1
<b>DATE:</b> SCALE: AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> GS	<b>FILE:</b>

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

PERMIT SET 10/23/20



**CODE SUMMARY**

BUILDING CODE	IBC 2018, IEBC 2018
CONSTRUCTION CLASSIFICATION	TYPE VB
PRIMARY USE GROUP	A-3
ZONING	SP-PO-A PARKS AND OPEN SPACES (SPECIAL PURPOSE)

**CODE ANALYSIS**

**JURISDICTION:**

CITY: PHILADELPHIA, PENNSYLVANIA  
 ADDRESS: DEPARTMENT OF LICENSES AND INSPECTIONS  
 1401 JOHN F. KENNEDY BOULEVARD  
 PHILADELPHIA, PA 19102  
 (215) 686-8686  
 WWW.PHILA.GOV

**LISTING OF APPLICABLE CODES**

- PHILADELPHIA CODE
- THE PHILADELPHIA ADMINISTRATIVE CODE
  - PHILADELPHIA BUILDING CODE
  - PHILADELPHIA MECHANICAL CODE
  - PHILADELPHIA ELECTRICAL CODE
  - PHILADELPHIA PERFORMANCE CODE
  - PHILADELPHIA ENERGY CONSERVATION CODE
  - PHILADELPHIA FIRE CODE
  - PHILADELPHIA FUEL GAS CODE
  - PHILADELPHIA ZONING CODE
  - PHILADELPHIA PLUMBING CODE
- INTERNATIONAL CODE COUNCIL
- 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
  - 2018 INTERNATIONAL BUILDING CODE (IBC)
  - 2012 INTERNATIONAL BUILDING CODE (CHAPTER 11)
  - 2012 INTERNATIONAL BUILDING CODE (APPENDIX E)
  - 2018 ICC A117.1
  - 2018 INTERNATIONAL MECHANICAL CODE
  - 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
  - 2018 INTERNATIONAL FUEL GAS CODE
  - 2018 ICC PERFORMANCE CODE
  - AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG)
  - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (NFPA-13)

**IEBC 2018**

**CHAPTER 9 - ALTERATION LEVEL 3**  
 604.1 SCOPE: LEVEL 3 ALTERATIONS APPLY WHERE THE WORK AREA EXCEEDS 50 PERCENT OF THE BUILDING AREA

**CHAPTER 11 - ADDITIONS**  
 1101.1 SCOPE: AN ADDITION TO A BUILDING OR STRUCTURE SHALL COMPLY WITH THE INTERNATIONAL CODES AS ADOPTED FOR NEW CONSTRUCTION WITHOUT REQUIRING THE EXISTING BUILDING OR STRUCTURE TO COMPLY WITH ANY REQUIREMENTS OF THOSE CODES OR OF THESE PROVISIONS, EXCEPT AS REQUIRED BY THIS CHAPTER. WHERE AN ADDITION IMPACTS THE EXISTING BUILDING OR STRUCTURE, THAT PORTION SHALL COMPLY WITH THIS CODE

**IBC 2018**

**USE AND OCCUPANCY CLASSIFICATION (IBC CHAPTER 3, SECTION 303.4):**

PRIMARY USE: ASSEMBLY GROUP A  
 -GROUP A-3 (IBC SECTION 303.4)  
 -NOT SPRINKLERED

**GENERAL BUILDING HEIGHTS AND AREAS (IBC CHAPTER 5):**

ALLOWABLE BUILDING HEIGHT AND AREAS:  
 - TYPE VB ALLOWABLE HEIGHT AND AREA (IBC SECTION 503)  
 - HEIGHT: 40 FEET; AREA: 6,000 SF, NO OF STORIES: 1 (TABLE 504.3, TABLE 504.4)

EXISTING BUILDING HEIGHT AND AREAS:  
 - NO. OF EXISTING STORIES = 1 STORY  
 - MAXIMUM BUILDING HEIGHT = 13'-0"  
 - BUILDING SQUARE FOOTAGE = 2,085 SF

**TYPES OF CONSTRUCTION (IBC CHAPTER 6):**

- CONSTRUCTION TYPE VB (IBC SECTION 602.2)  
 - 602.5 TYPE VB IS ANY TYPE OF CONSTRUCTION IN WHICH THE STRUCTURAL ELEMENTS, EXTERIOR WALLS AND INTERIOR WALLS ARE OF ANY MATERIALS PERMITTED BY THIS CODE.  
 - FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS) (TABLE 601) =

PRIMARY STRUCTURAL FRAME:	0 HOURS
EXTERIOR BEARING WALLS:	0 HOURS
INTERIOR BEARING WALLS:	0 HOURS
EXTERIOR NONBEARING WALLS AND PARTITIONS:	0 HOURS
INTERIOR NONBEARING WALLS AND PARTITIONS:	0 HOURS
FLOOR CONSTRUCTION AND SECONDARY MEMBERS:	0 HOURS
ROOF CONSTRUCTION AND SECONDARY MEMBERS:	0 HOURS

FIRE RESISTANCE RATING OF EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (TABLE 602)=

- EXTERIOR WALLS < 5 = 1 HOUR  
 - EXTERIOR WALLS 5 ≤ X < 10 = 1 HOUR  
 - EXTERIOR WALLS 10 ≤ X < 30 = 0 HOUR  
 - EXTERIOR WALLS X ≥ 30 = 0 HOUR

**MEANS OF EGRESS (IBC CHAPTER 10):**

CEILING HEIGHT:  
 - THE MEANS OF EGRESS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7 FEET 6 INCHES (SECTION 1003.2).

**HEADROOM:**

- PROTRUDING OBJECTS ARE PERMITTED TO EXTEND BELOW THE MINIMUM CEILING HEIGHT REQUIRED BY SECTION 1003.2 PROVIDED A MINIMUM HEADROOM OF 80 INCHES SHALL BE PROVIDED FOR ANY WALKING SURFACE, INCLUDING WALKS, CORRIDORS, AISLES AND PASSAGEWAYS. NOT MORE THAN 90 PERCENT OF THE CEILING AREA OF A MEANS OF EGRESS SHALL BE REDUCED IN HEIGHT BY PROTRUDING OBJECTS (SECTION 1003.3.1).

**HORIZONTAL PROJECTIONS:**

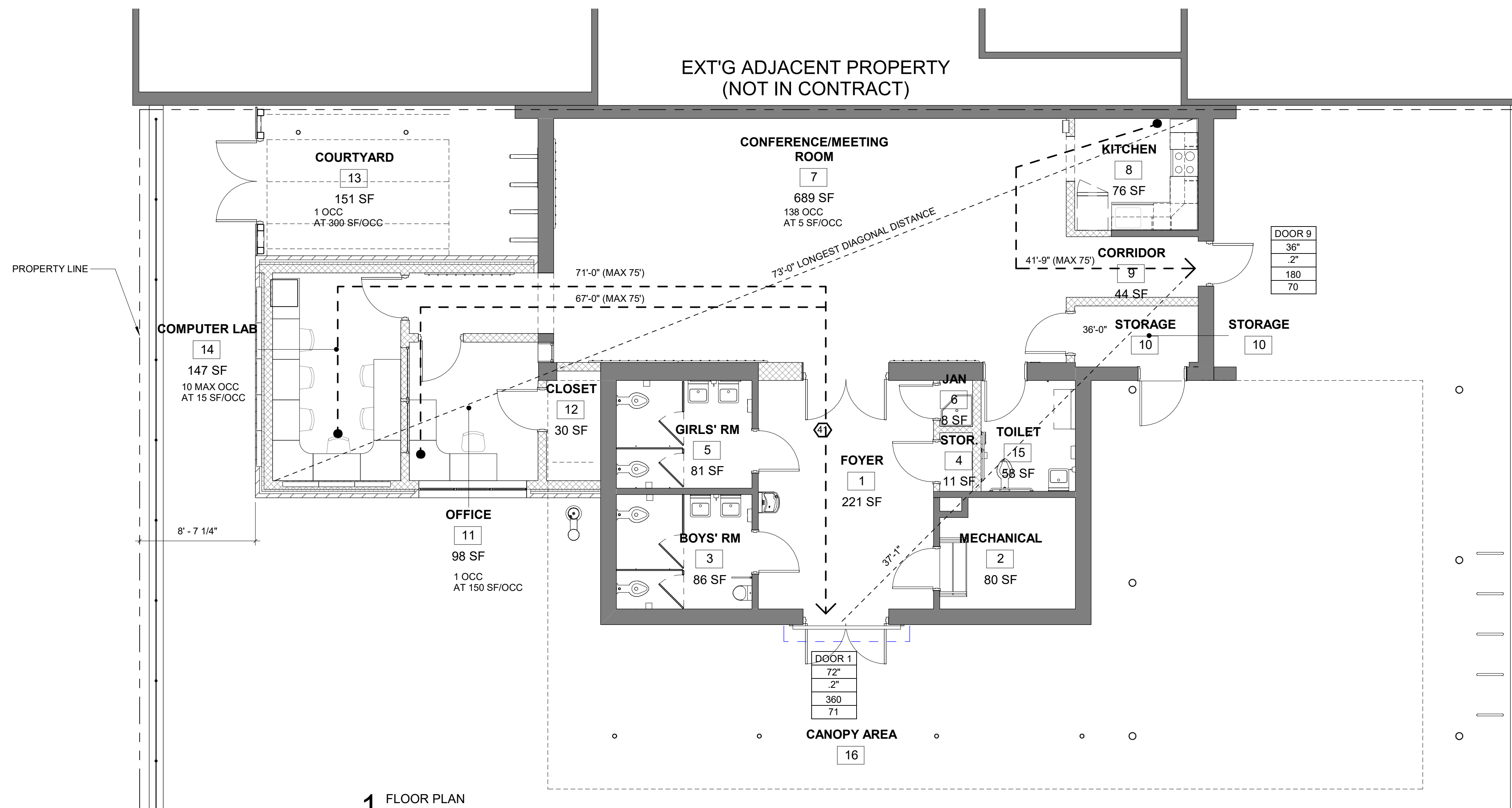
- STRUCTURAL ELEMENTS, FIXTURES OR FURNISHINGS SHALL NOT PROJECT HORIZONTALLY FROM EITHER SIDE MORE THAN 4 INCHES OVER ANY WALKING SURFACE BETWEEN THE HEIGHTS OF 27 INCHES AND 80 INCHES ABOVE THE WALKING SURFACE (SECTION 1003.3.3).

**CLEAR WIDTH:**

- PROTRUDING OBJECTS SHALL NOT REDUCE THE MINIMUM CLEAR WITH OF ACCESSIBLE ROUTES (SECTION 1003.3.4).

**OCCUPANT LOAD (IBC SECTION 1004, IBC TABLE 1004.5):**

- CLASS ROOM	SF=147	15 NET / OCCUPANT	= 10 OCCUPANTS
- OFFICE:	SF=98	150 GROSS / OCCUPANT	= 1 OCCUPANTS
- ASSEMBLY AREAS:	SF=689	5 NET / OCCUPANT	= 138 OCCUPANTS
- TOTAL OCCUPANTS:			= 149 OCCUPANTS



**EGRESS WIDTH (IBC SECTION 1005.1):**

- 0.3 INCHES PER OCCUPANT FOR STAIRWAYS
- 0.2 INCHES PER OCCUPANT FOR OTHER EGRESS COMPONENTS

**DOOR ENCRoACHMENT (IBC SECTION 1005.2):**

- DOORS, WHEN FULLY OPENED, AND HANDRAILS SHALL NOT REDUCE THE REQUIRED MEANS OF EGRESS WIDTH BY MORE THAN 7 INCHES. DOORS IN ANY POSITION SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN ONE-HALF. OTHER NONSTRUCTURAL PROJECTIONS SUCH AS TRIM AND SIMILAR DECORATIVE FEATURES SHALL BE PERMITTED TO PROJECT INTO THE REQUIRED WIDTH A MAXIMUM OF 1 1/2 INCHES ON EACH SIDE.

**NUMBER OF EXITS AND CONTINUITY (IBC SECTION 1006.3.2):**

- THE MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD = 2 EXITS (OCCUPANT LOAD 1 -500) (TABLE 1006.3.2)

**TWO EXITS OR EXIT ACCESS DOORWAYS (IBC SECTION 1007.1.1):**

WHERE TWO EXITS ARE REQUIRED FROM ANY PORTION OF THE EXIT ACCESS, THEY SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN ONE-HALF OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN THEM.

**SIZE OF DOORS (IBC SECTION 1008.1.1):**

- THE MINIMUM WIDTH OF EACH DOOR OPENING SHALL BE SUFFICIENT FOR THE OCCUPANT LOAD THEREOF AND SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES. THE MAXIMUM WIDTH OF A SWINGING DOOR LEAF SHALL BE 48 INCHES NOMINAL. THE HEIGHT OF DOOR OPENINGS SHALL NOT BE LESS THAN 80 INCHES.

**EXIT ACCESS (IBC SECTION 1016):**

- EGRESS THROUGH INTERVENING SPACES SHALL COMPLY WITH THIS SECTION (1016.2):

- EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS AND THE AREA SERVED ARE ACCESSORY TO ONE OR THE OTHER, ARE NOT A GROUP H OCCUPANCY AND PROVIDE A DISCERNIBLE PATH OF EGRESS TRAVEL TO AN EXIT.
- AN EXIT ACCESS SHALL NOT PASS THROUGH A ROOM THAT CAN BE LOCKED TO PREVENT EGRESS.
- MEANS OF EGRESS FROM DWELLING UNITS OR SLEEPING AREAS SHALL NOT LEAD THROUGH OTHER SLEEPING AREAS, TOILET ROOMS OR BATHROOMS.
- EGRESS SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, CLOSETS OR SPACES USED FOR SIMILAR PURPOSES.

**EXIT ACCESS TRAVEL DISTANCE (IBC TABLE 1017.2):**

OCCUPANCY A, NON SPRINKLERED = 200'

**CORRIDORS (IBC SECTION 1020):**

- THE MINIMUM CORRIDOR WIDTH SHALL BE 44".

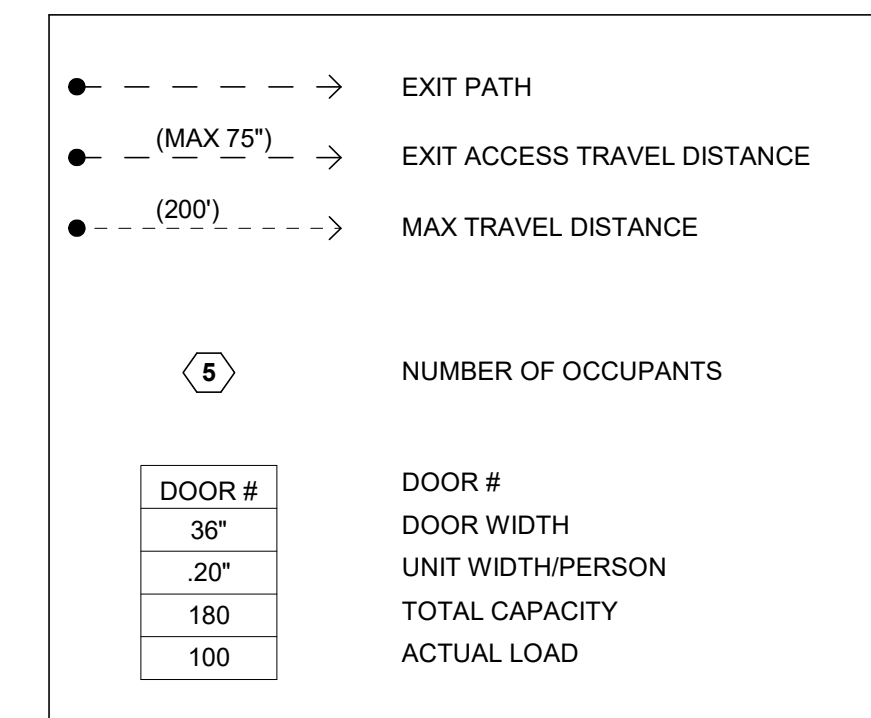
- WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO DEAD ENDS IN CORRIDORS MORE THAN 20 FEET IN LENGTH (SECTION 1018.4) \*.

\* IN OCCUPANCIES IN GROUP B, E, F, I-1, M, R-1, R-2, R-4, S, AND U WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.1.1, THE LENGTH OF THE DEAD-END CORRIDOR SHALL NOT EXCEED 50 FEET (SECTION 1018.4, EXCEPTION 2).

**PHILADELPHIA ZONING:**

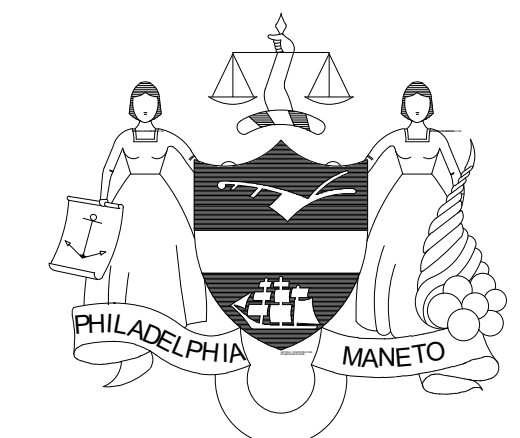
14-407 FOR SP-PO-A, PARKS AND OPEN SPACE (SPECIAL PURPOSE) DISTRICT NOTES:  
 THE SIZE, LOCATION, AND DESIGN OF ALL BUILDINGS, STRUCTURES, ACTIVITY AREAS, AND OTHER IMPROVEMENTS MUST COMPLY WITH THE DIMENSIONAL REGULATIONS OF THE MOST RESTRICTIVE ADJACENT ZONING DISTRICT.  
 MOST RESTRICTIVE ADJACENT ZONING DISTRICT: RSA-5

**LIFE SAFETY LEGEND**

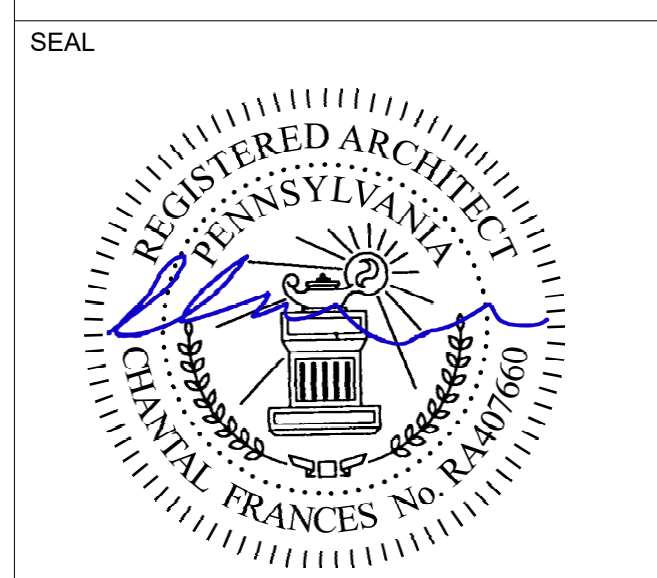


REVISIONS

ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
 Philadelphia Parks & Recreation  
 and Department of Public Property  
 1515 Arch Street, 11th Floor  
 Philadelphia, PA 19102  
 Contact: Tara Rasheed, 215-683-0252



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**CITY OF PHILADELPHIA**  
**DEPARTMENT OF PUBLIC PROPERTY**  
 1515 ARCH STREET  
 11TH FLOOR, ONE PARKWAY BUILDING  
 PHILADELPHIA, PENNSYLVANIA

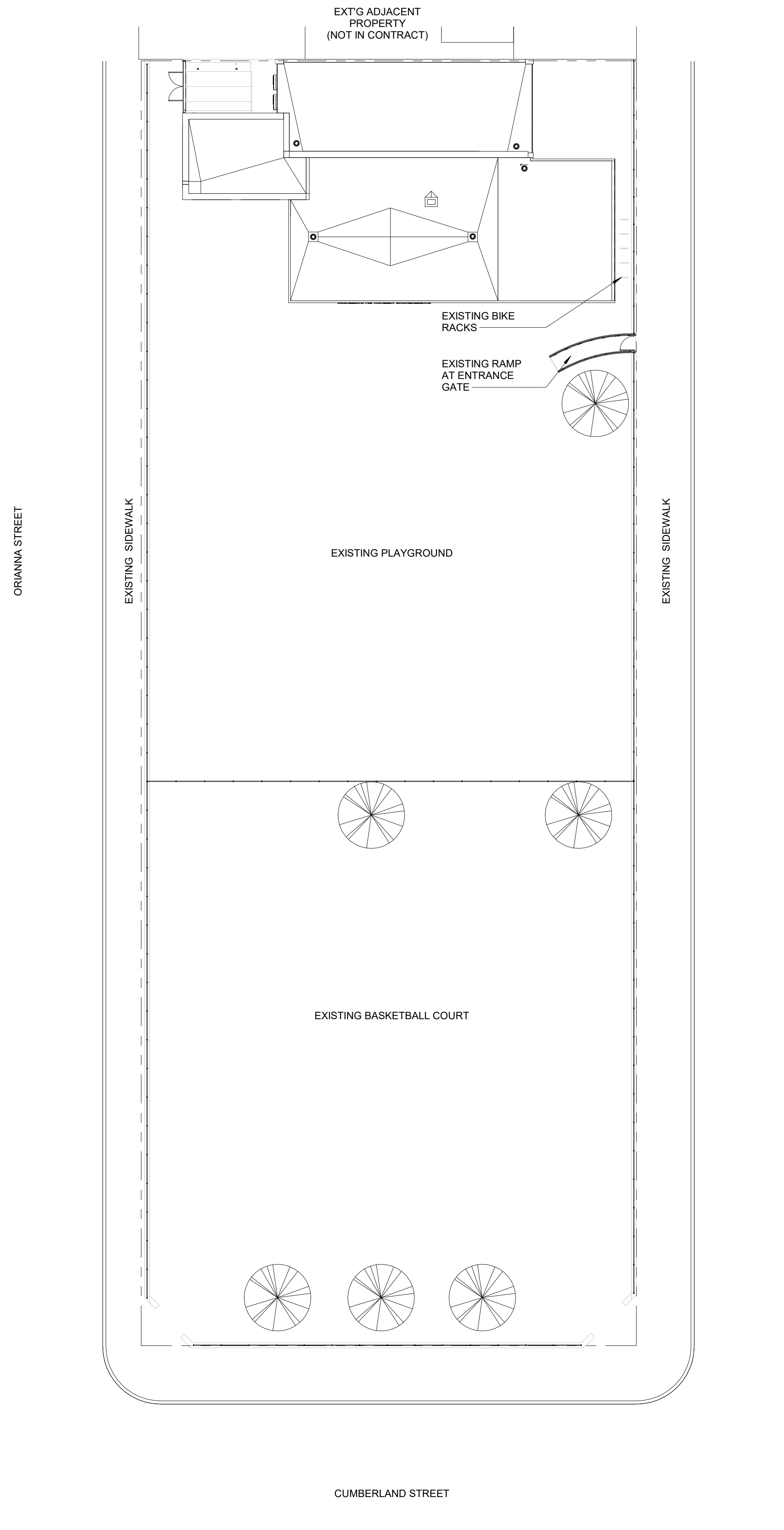
**PROJECT TITLE**  
 NELSON PLAYGROUND

**DRAWING TITLE**  
 LIFE SAFETY PLAN & CODE ANALYSIS

<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b> G0.2
<b>DATE:</b>	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> GS	<b>FILE:</b>

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

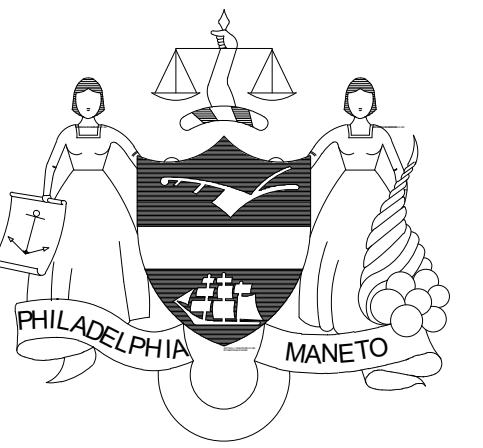
PERMIT SET 10/23/20



1 ILLUSTRATIVE SITE PLAN  
1/16" = 1'-0"

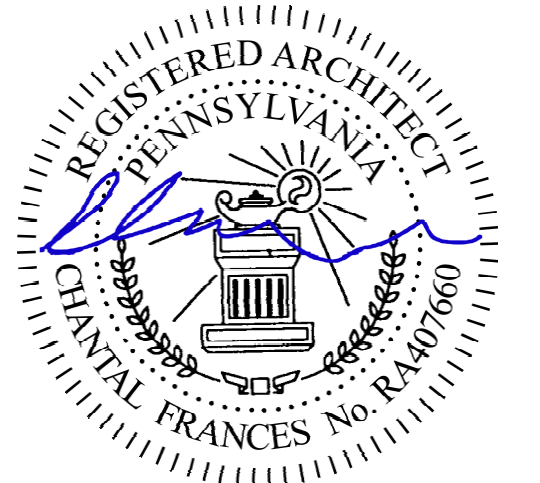


REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Tara Rasheed, 215-683-0252

SEAL



**PROJECT TEAM**

**ARCHITECT:**  
JMT | ARCHITECTURE  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
1600 MARKET STREET, SUITE 520  
PHILADELPHIA, PA 19103  
267.256.0300 | WWW.JMT.COM

**STRUCTURAL ENGINEER:**  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
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**SYSTEMS ENGINEER:**  
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PHILADELPHIA, PA 19103  
267.256.0300 | WWW.JMT.COM

**CITY OF PHILADELPHIA**  
**DEPARTMENT OF PUBLIC PROPERTY**  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
ILLUSTRATIVE SITE PLAN

**PROJECT NO.**  
10-20-XXXX-01

**DATE:**

**SCALE:** AS NOTED

**DRAWN BY:** MH

**CHECKED BY:** -- **FILE:**

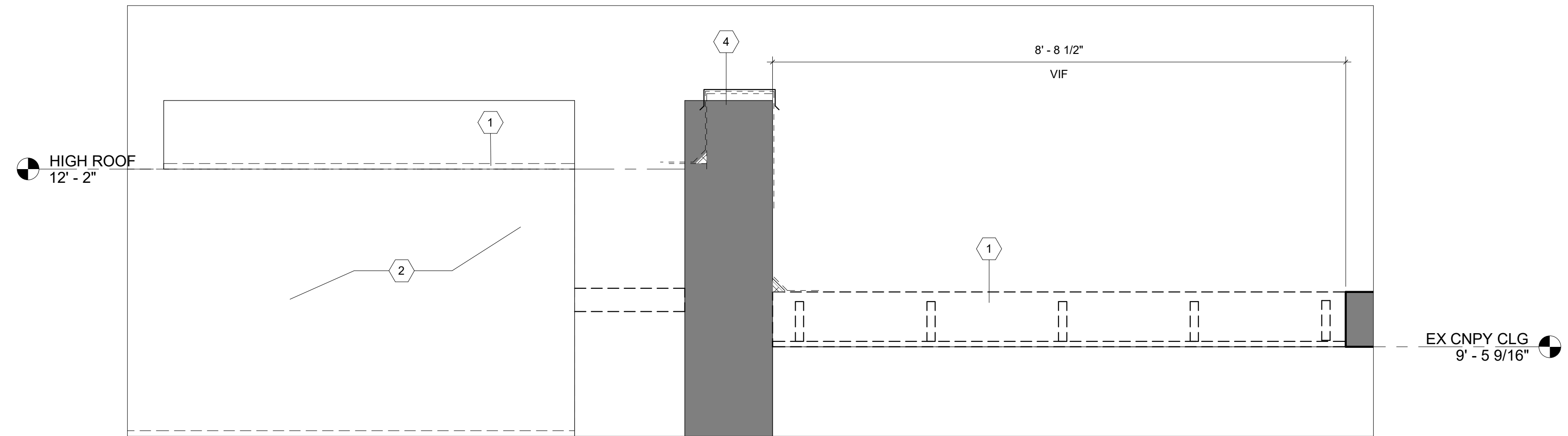
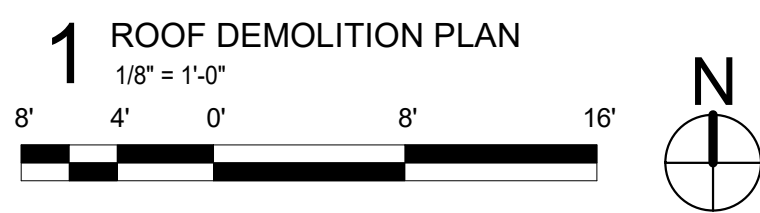
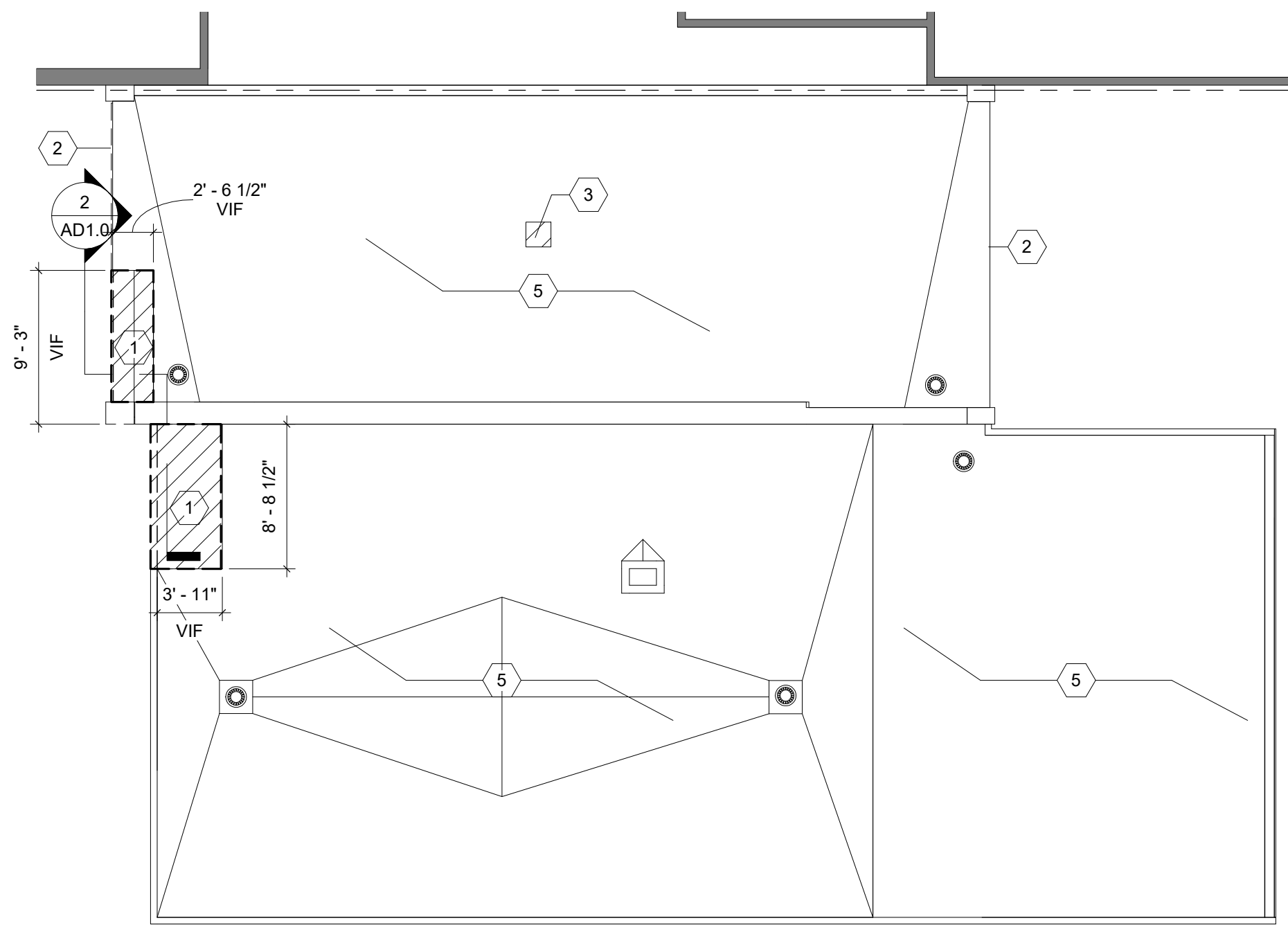
**DRAWING NO.**

**G0.3**

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PERMIT SET 10/23/20





**2 SECTION @ SELECTIVE ROOF DEMOLITION**  
3/4" = 1'-0"

**ROOF DEMOLITION KEYNOTES**

Note No	Note Text
1	REMOVE EXISTING ROOF SYSTEM, COMPLETELY IN THIS AREA, INCLUDING MEMBRANES, CAP SHEETS, FLASHINGS, INSULATION, ROOF DECK, COPINGS, AND FASCIA.
2	REMOVE EXISTING METAL FASCIA PANEL AND GRAVEL STOP, SHORE UP ROOF STRUCTURE ABOVE, FOR NEW METAL PANEL FASCIA.
3	REMOVE EXISTING VENTILATOR, CURB AND FLASHING.
4	REMOVE PORTION OF EXISTING PARAPET FOR NEW ADDITION'S ROOF TIE IN.
5	EXISTING ROOF SYSTEM TO REMAIN.

**GENERAL DEMO NOTES**

**DEFINITIONS:**  
REMOVE: REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN THE OWNER'S PROPERTY.  
EXISTING TO REMAIN: PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING DEMOLITION AND NEW CONSTRUCTION.

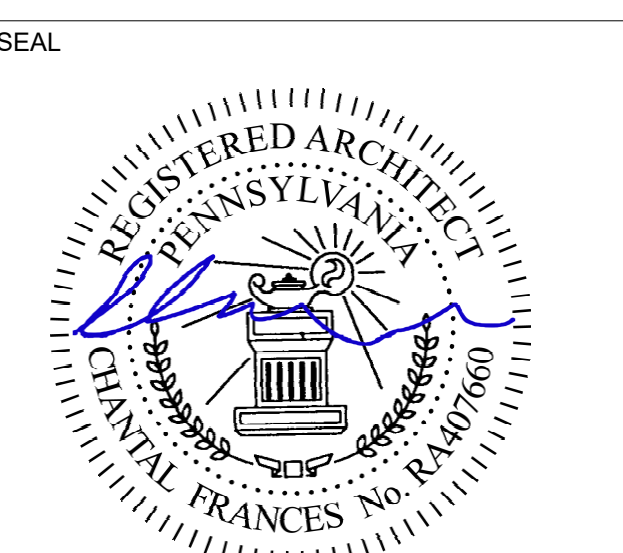
GENERAL CONTRACTOR SHOULD INCLUDE COSTS FOR ALL DEMOLITION INCLUDING BUT NOT NECESSARILY LIMITED TO THE FOLLOWING:

- DEMOLITION WORK INCLUDES, BUT NOT LIMITED TO THE WORK INDICATED, AS COORDINATED WITH WORK OF ALL OTHER TRADES, AS INDICATED ELSEWHERE, AND AS REQUIRED TO ACCOMMODATE CONSTRUCTION. ALL DEMOLITION REQUIRED SHALL BE INCLUDED IN EACH CONTRACTOR'S BASE BID TO PERFORM AND COMPLETE CONSTRUCTION UNLESS OTHERWISE INDICATED. REFER TO ASBESTOS ABATEMENT REPORT AND MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- ALL ITEMS DESIGNATED AS 'SALVAGED' SHALL BE TURNED OVER TO OWNER.
- ITEMS TO BE SALVAGED, RELOCATED, OR REINSTALLED SHALL BE AS INDICATED. SPECIAL CARE IS TO BE TAKEN SO AS NOT TO DAMAGE THESE ITEMS. THE G.C. SHALL COORDINATE THE STORAGE OF ALL SALVAGED ITEMS TO BE EITHER RELOCATED OR REINSTALLED WITH THE OWNER.
- LOCATIONS AND/OR ELEVATIONS OF EXISTING ITEMS, AS SHOWN ON THE DRAWINGS, ARE APPROXIMATE. RESPECTIVE TRADES SHALL FIELD VERIFY ALL LOCATIONS.
- WHEN A NEW WALL, CEILING, ROOF, OR FLOOR ASSEMBLY IS INDICATED WHERE AN EXISTING WALL, CEILING, ROOF, OR FLOOR ASSEMBLY EXISTS, THE EXISTING SHALL BE COMPLETELY REMOVED, WITH ASSOCIATED UTILITIES REMOVED AND CAPPED BEHIND THE SURFACE OF THE REMAINING SUBSTRATE, UNLESS NOTED OTHERWISE. ALL DEPRESSIONS, INDENTS, OR PROTRUSIONS ETC., LEFT AFTER THE REMOVAL OF ITEMS WHICH WILL INTERFERE WITH THE CONSTRUCTION SHALL BE REPAIRED, REPLACE OR REMOVED TO PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND OLD SURFACES.
- THE CONTRACTORS SHALL VERIFY ALL CONDITIONS PRIOR TO COMMENCING DEMOLITION. SHOULD QUESTIONS ARISE, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, IN WRITING, PRIOR TO PROCEEDING WITH DEMOLITION.
- WHERE OPENINGS ARE INDICATED TO BE MADE IN EXISTING MASONRY WALLS, OR EXISTING OPENINGS ARE TO BE INFILLED, THE CONTRACTOR SHALL TOOTH IN NEW MASONRY CONSTRUCTION TO MATCH ADJACENT COURSING.
- CONTRACTORS ARE RESPONSIBLE FOR SHORING, BRACING, AND UNDERPINNING RELATED TO THE DEMOLITION, REMOVAL OR CUTTING OF ANY WALL, PARTITION OR ANY OTHER STRUCTURAL ELEMENT.
- CONTRACTOR SHALL PROTECT EXISTING ROOF ASSEMBLIES FROM DAMAGE DURING DEMOLITION AND NEW WORK.
- ALL DEMOLITION AND NEW WORK TO EXISTING WORK SHALL BE DONE IN A MANNER THAT DOES NOT VOID THE EXISTING ROOF WARRANTY.

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Tara Rasheed, 215-683-0252



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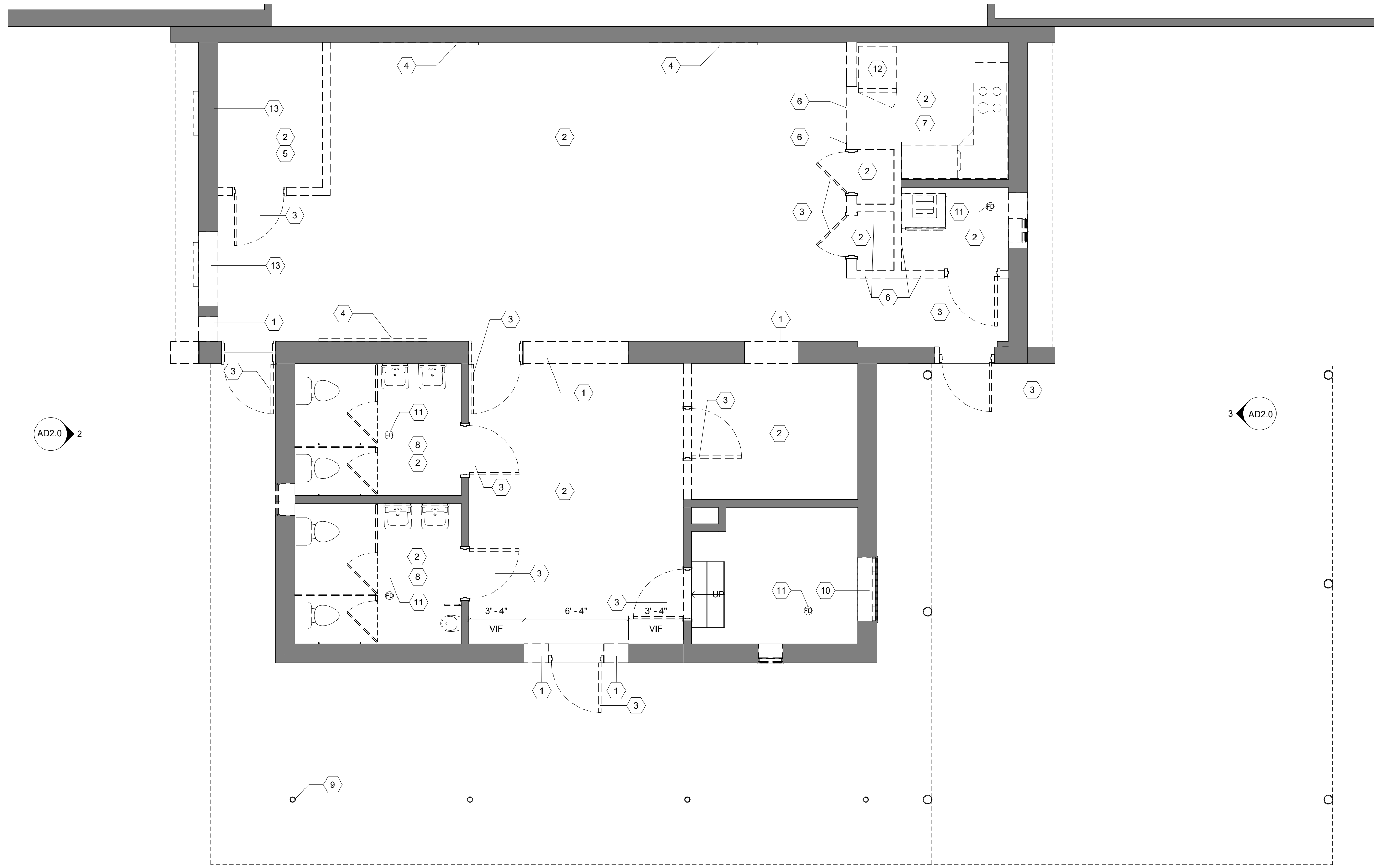
**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
ROOF DEMOLITION PLAN

<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b> AD1.0
<b>DATE:</b>	AD1.0
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> GS	<b>FILE:</b>

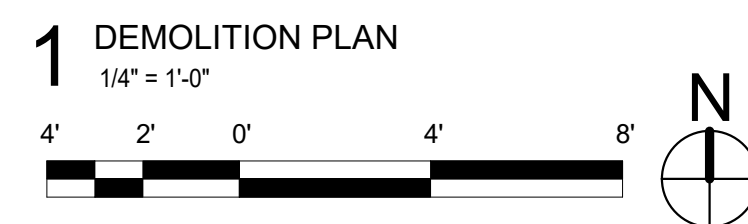
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PERMIT SET 10/23/20



AD2.0 2

AD2.0 3



AD2.0 1

**GENERAL DEMO NOTES**

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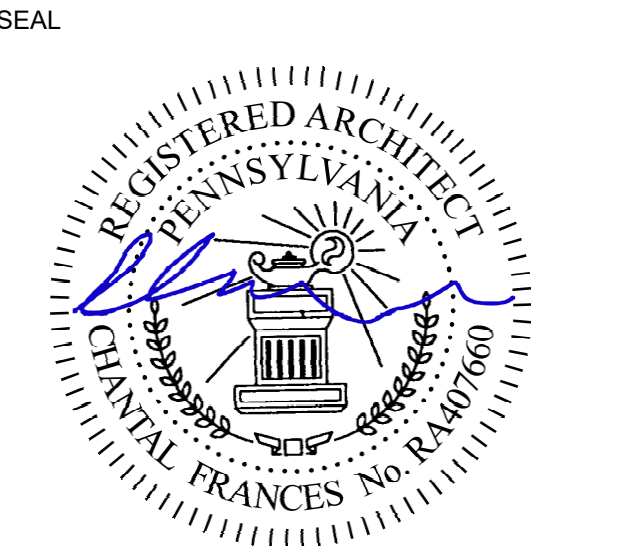
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DEMOLITION KEYNOTES	
Note No	Note Text
1	REMOVE PORTION OF EXISTING WALL AND PREPARE FOR NEW WINDOW, DOOR, LOUVER OR EQUIPMENT. SEE STRUCTURAL DRAWING FOR LINTEL SIZE
2	REMOVE EXISTING RESINOUS FLOORING AND BASE DOWN TO SUBSTRATE. PATCH AND REPAIR AFFECTED SURFACES AND PREPARE TO RECEIVE SCHEDULED FINISH.
3	REMOVE EXISTING DOOR, FRAME AND HARDWARE
4	REMOVE BASEBOARD HEATER, SEE MEP DRAWINGS FOR ADDITIONAL RELATED DEMOLITION.
5	REMOVE EXISTING GWB AND STUD WALL.
6	DEMOLISH EXISTING CMU WALL IN ITS ENTIRETY. PATCH ADJACENT SURFACES AS REQUIRED.
7	REMOVE EXISTING KITCHEN CABINETS, COUNTER TOPS, APPLIANCES AND ACCESSORIES.
8	REMOVE EXISTING LAVATORIES, TOILETS, TOILET PARTITIONS AND ALL WALL ACCESSORIES, REFER TO PLUMBING DRAWINGS.
9	SCRAPE AND WIRE BRUSH EXISTING COLUMN, BEAMS, SUPPORTS AND OPEN WEB STEEL JOISTS TO REMOVE SURFACE RUST AND PREP TO RECIEVE NEW PAINT
10	REMOVE EXISTING WALL LOUVER
11	EXISTING FLOOR DRAIN TO REMAIN
12	REMOVE AND SALVAGE EXISTING REFRIGERATOR, TO BE REINSTALLED.
13	REMOVE EXISTING WALL INFILL AND LIMESTONE SILL, ENLARGE OPENING FOR NEW DOOR AND FRAME.

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
 Philadelphia Parks & Recreation  
 and Department of Public Property  
 1515 Arch Street, 11th Floor  
 Philadelphia, PA 19102  
 Contact: Tara Rasheed, 215-683-0252



**PROJECT TEAM**  
**ARCHITECT:**  
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 JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
 1600 MARKET STREET, SUITE 520  
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**STRUCTURAL ENGINEER:**  
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**CITY OF PHILADELPHIA**  
**DEPARTMENT OF PUBLIC PROPERTY**  
 1515 ARCH STREET  
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 PHILADELPHIA, PENNSYLVANIA

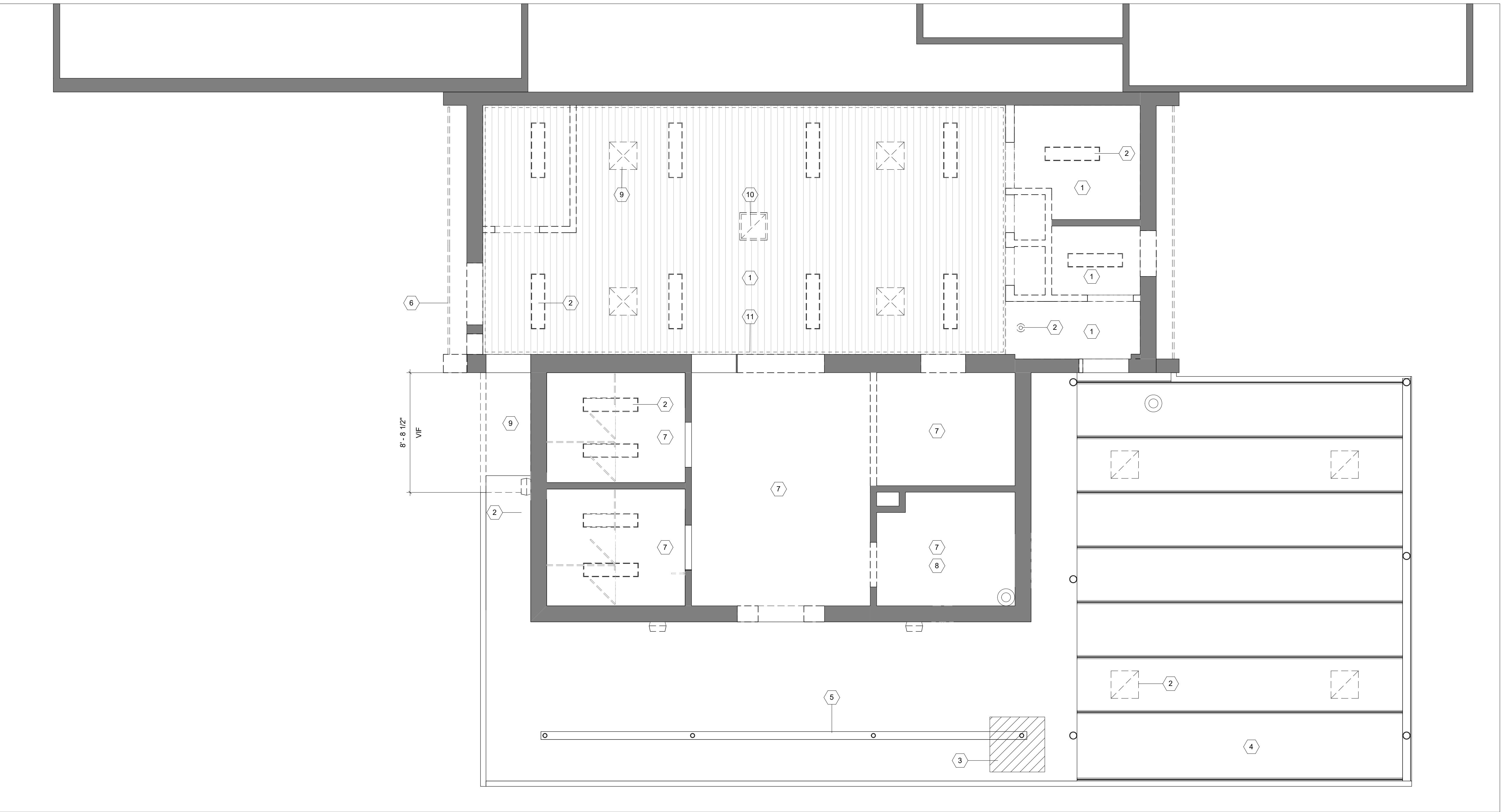
**PROJECT TITLE**  
 NELSON PLAYGROUND

**DRAWING TITLE**  
 FLOOR DEMOLITION PLAN

<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b> <b>AD1.1</b>
<b>DATE:</b>	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> GS	<b>FILE:</b>
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PERMIT SET 10/23/20





**1** DEMOLITION REFLECTED CEILING PLAN  
1/4" = 1'-0"



**GENERAL DEMO NOTES**

**DEFINITIONS:**  
 REMOVE: REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN THE OWNER'S PROPERTY.  
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- REMOVE ALL EXISTING LIGHT FIXTURES, EMERGENCY LIGHT FIXTURES, AND EXIT SIGNS AND SET ASIDE FOR REUSE.
- PREP ALL INTERIOR WALL AND CEILING SURFACES FOR PAINT INCLUDING UNDERSIDE OF EXPOSED ROOF DECK AND ROOF TRUSSES, IF APPLICABLE.
- PREP EXTERIOR COLUMNS FOR PAINT.
- SCRAPE UNDERSIDE OF EXTERIOR CANOPY AND PREP FOR PAINT.
- OPEN AND PARTIALLY DEMO WALLS, CEILINGS, AND FLOORS AS REQUIRED FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORK. COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.

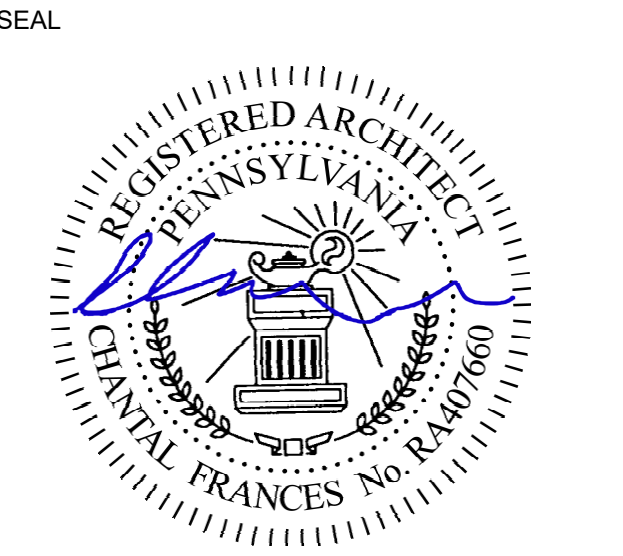
**CEILING DEMOLITION KEYNOTES**

Note No	Note Text
1	REMOVE EXISTING CEILING
2	REMOVE EXISTING LIGHT FIXTURE(TYP), SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
3	REPAIR AND PATCH EXISTING CANOPY CEILING TO MATCH ADJACENT.
4	SCRAPE AND WIRE BRUSH EXISTING METAL JOISTS AND CEILING SURFACE AND PREPARE FOR NEW PAINT
5	REPLACE EXISTING WOOD BEAM WITH NEW STEEL BEAM, SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
6	REMOVE EXISTING METAL FASCIA AND CEILING, TYP FOR 2.
7	EXISTING CEILING TO REMAIN, PREP FOR NEW PAINT.
8	EXISTING CEILING FIXTURES TO REMAIN.
9	REMOVE EXISTING DIFFUSERS, TYP. SEE MECHANICAL DRAWINGS
10	REMOVE VENT, SEE MECHANICAL DRAWINGS
11	REMOVE EXISTING WOOD PANELING VALANCE AT CEILING, TYP AT ALL WALLS IN MEETING ROOM.

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
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**PROJECT TEAM**

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**PROJECT TITLE**  
 NELSON PLAYGROUND

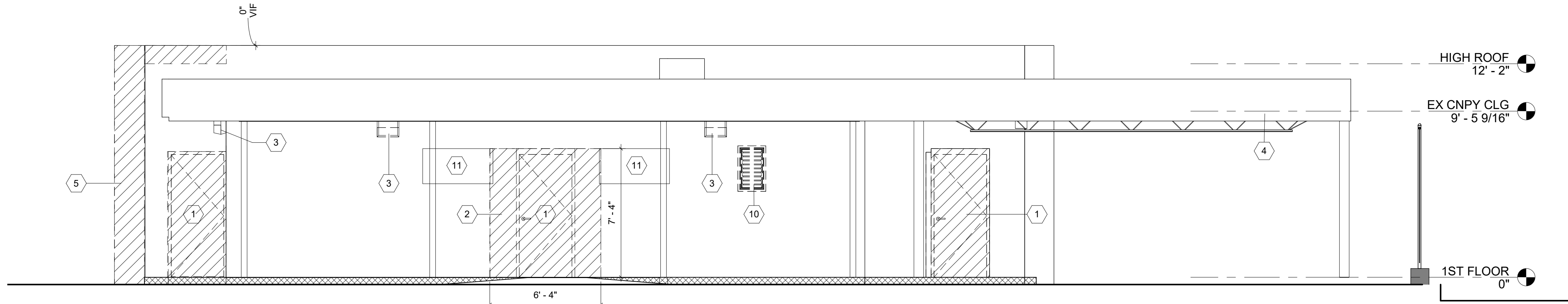
**DRAWING TITLE**  
 REFLECTED CEILING DEMOLITION PLAN

<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b> <b>AD1.2</b>
<b>DATE:</b>	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> GS	<b>FILE:</b>

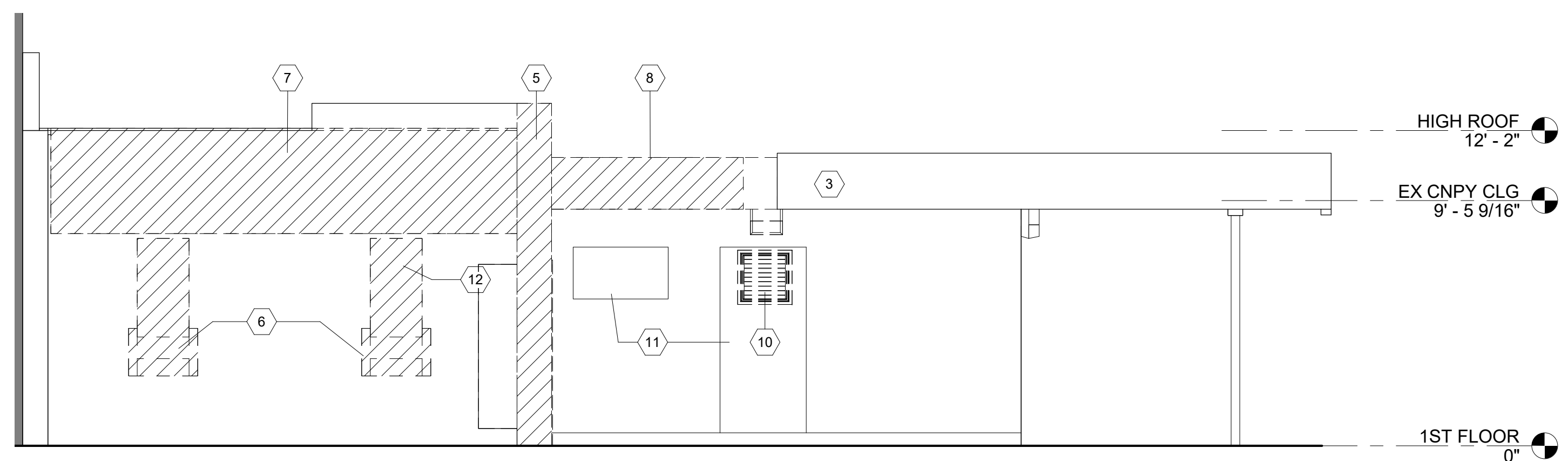
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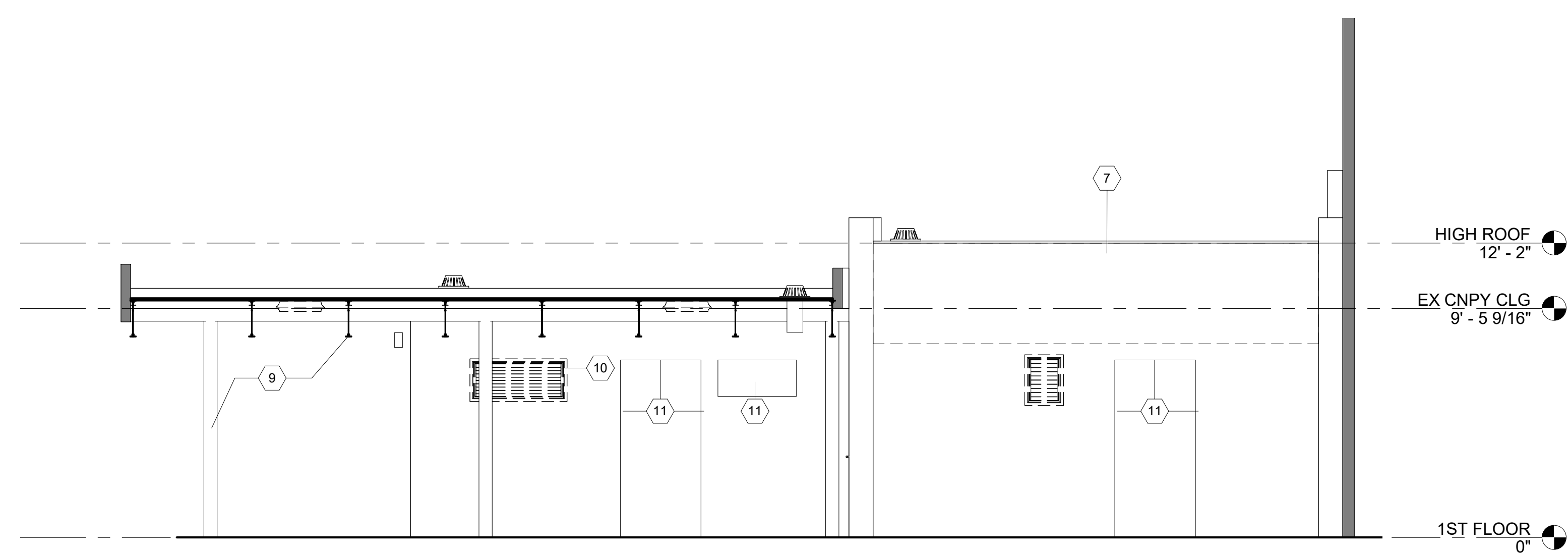




**1** EXISTING SOUTH ELEVATION  
1/4" = 1'-0"



**2** EXISTING WEST ELEVATION  
1/4" = 1'-0"



**3** EXISTING EAST ELEVATION  
1/4" = 1'-0"

ELEVATION DEMOLITION KEYNOTES	
Note No	Note Text
1	REMOVE EXISTING DOOR, FRAME AND HARDWARE
2	ENLARGE EXISTING MASONRY WALL TO ALLOW FOR NEW ALUMINUM STOREFRONT.
3	REMOVE EXISTING LIGHT FIXTURES, TYP
4	REMOVE EXISTING CEILING LIGHT FIXTURES, TYP
5	REMOVE BRICK PIER.
6	REMOVE EXISTING LIMESTONE SILL ASSEMBLY, AND EXISTING WINDOW INFILL.
7	REMOVE COMPOSITE PANEL AND SOFFIT (TYP)
8	REMOVE CANOPY IN THIS AREA INCLUDING, FASCIA, FRAMING AND ROOFING MATERIAL.
9	SCRAPE AND WIREBRUSH COLUMNS, BEAMS, SUPPORTS AND OPEN WEB STEEL JOISTS TO REMOVE SURFACE RUST AND PREP FOR PAINT.
10	REMOVE EXISTING WALL LOUVER, FRAME, SILL AND SECURITY SCREEN
11	REMOVE BRICK AND CMU MASONRY AT SIDES OF OPENINGS TO BE INFILLED AND MODIFIED TO ALLOW TOOTHING IN OF NEW MASONRY (TYP)
12	REMOVE THROUGH WALL AC UNIT, SEE MECHANICAL.

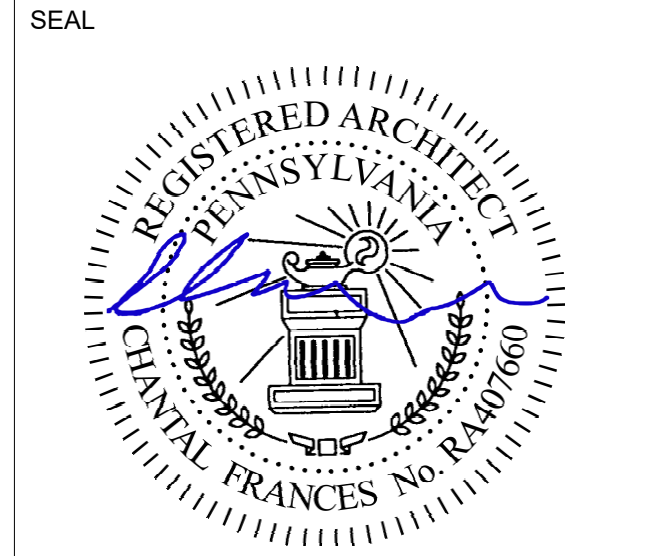
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  - ITEMS TO BE SALVAGED, RELOCATED, OR REINSTALLED SHALL BE AS INDICATED. SPECIAL CARE IS TO BE TAKEN SO AS NOT TO DAMAGE THESE ITEMS. THE G.C. SHALL COORDINATE THE STORAGE OF ALL SALVAGED ITEMS TO BE EITHER RELOCATED OR REINSTALLED WITH THE OWNER.
  - LOCATIONS AND/OR ELEVATIONS OF EXISTING ITEMS, AS SHOWN ON THE DRAWINGS, ARE APPROXIMATE. RESPECTIVE TRADES SHALL FIELD VERIFY ALL LOCATIONS.
  - WHEN A NEW WALL, CEILING, ROOF, OR FLOOR ASSEMBLY IS INDICATED WHERE AN EXISTING WALL, CEILING, ROOF, OR FLOOR ASSEMBLY EXISTS, THE EXISTING SHALL BE COMPLETELY REMOVED, WITH ASSOCIATED UTILITIES REMOVED AND CAPPED BEHIND THE SURFACE OF THE REMAINING SUBSTRATE, UNLESS NOTED OTHERWISE. ALL DEPRESSIONS, INDENTS, OR PROTRUSIONS ETC., LEFT AFTER THE REMOVAL OF ITEMS WHICH WILL INTERFERE WITH THE CONSTRUCTION SHALL BE REPAIRED, REPLACE OR REMOVED TO PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND OLD SURFACES.
  - THE CONTRACTORS SHALL VERIFY ALL CONDITIONS PRIOR TO COMMENCING DEMOLITION. SHOULD QUESTIONS ARISE, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, IN WRITING, PRIOR TO PROCEEDING WITH DEMOLITION.
  - WHERE OPENINGS ARE INDICATED TO BE MADE IN EXISTING MASONRY WALLS, OR EXISTING OPENINGS ARE TO BE INFILLED, THE CONTRACTOR SHALL TOOTH IN NEW MASONRY CONSTRUCTION TO MATCH ADJACENT COURSING.
  - CONTRACTORS ARE RESPONSIBLE FOR SHORING, BRACING, AND UNDERPINNING RELATED TO THE DEMOLITION, REMOVAL OR CUTTING OF ANY WALL, PARTITION OR ANY OTHER STRUCTURAL ELEMENT.
  - CONTRACTOR SHALL PROTECT EXISTING ROOF ASSEMBLIES FROM DAMAGE DURING DEMILITION AND NEW WORK.
  - ALL DEMOLITION AND NEW WORK TO EXISTING WORK SHALL BE DONE IN A MANNER THAT DOES NOT VOID THE EXISTING ROOF WARRANTY.

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Tara Rasheed, 215-683-0252



**PROJECT TEAM**  
**ARCHITECT:**  
JMT | ARCHITECTURE  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
1600 MARKET STREET, SUITE 520  
PHILADELPHIA, PA 19103  
267.256.0300 | WWW.JMT.COM

**STRUCTURAL ENGINEER:**  
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**CITY OF PHILADELPHIA**  
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1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

**PROJECT TITLE**  
NELSON PLAYGROUND

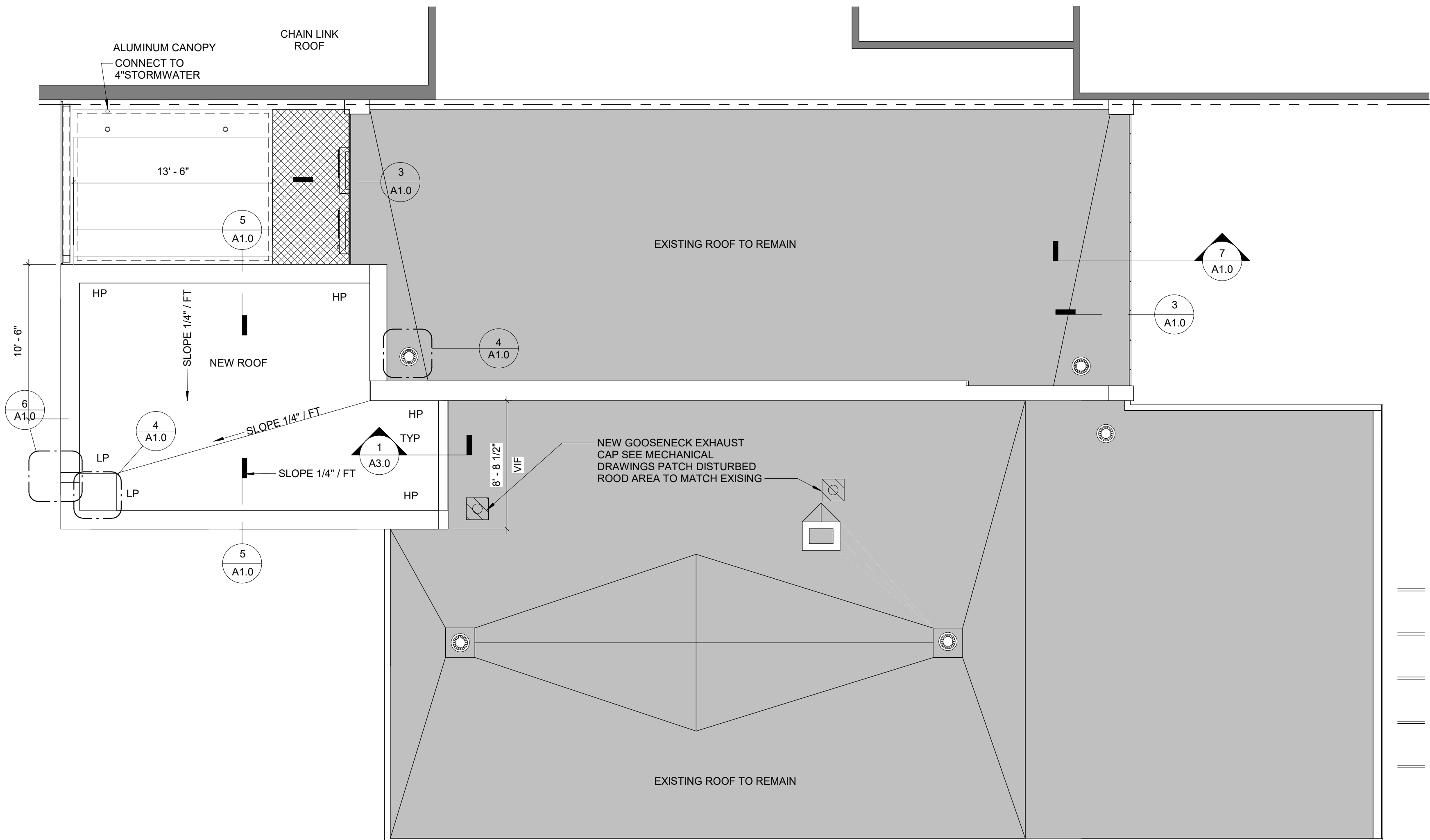
**DRAWING TITLE**  
ELEVATIONS DEMOLITION

<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b> AD2.0
<b>DATE:</b>	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> MJ	<b>FILE:</b>

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

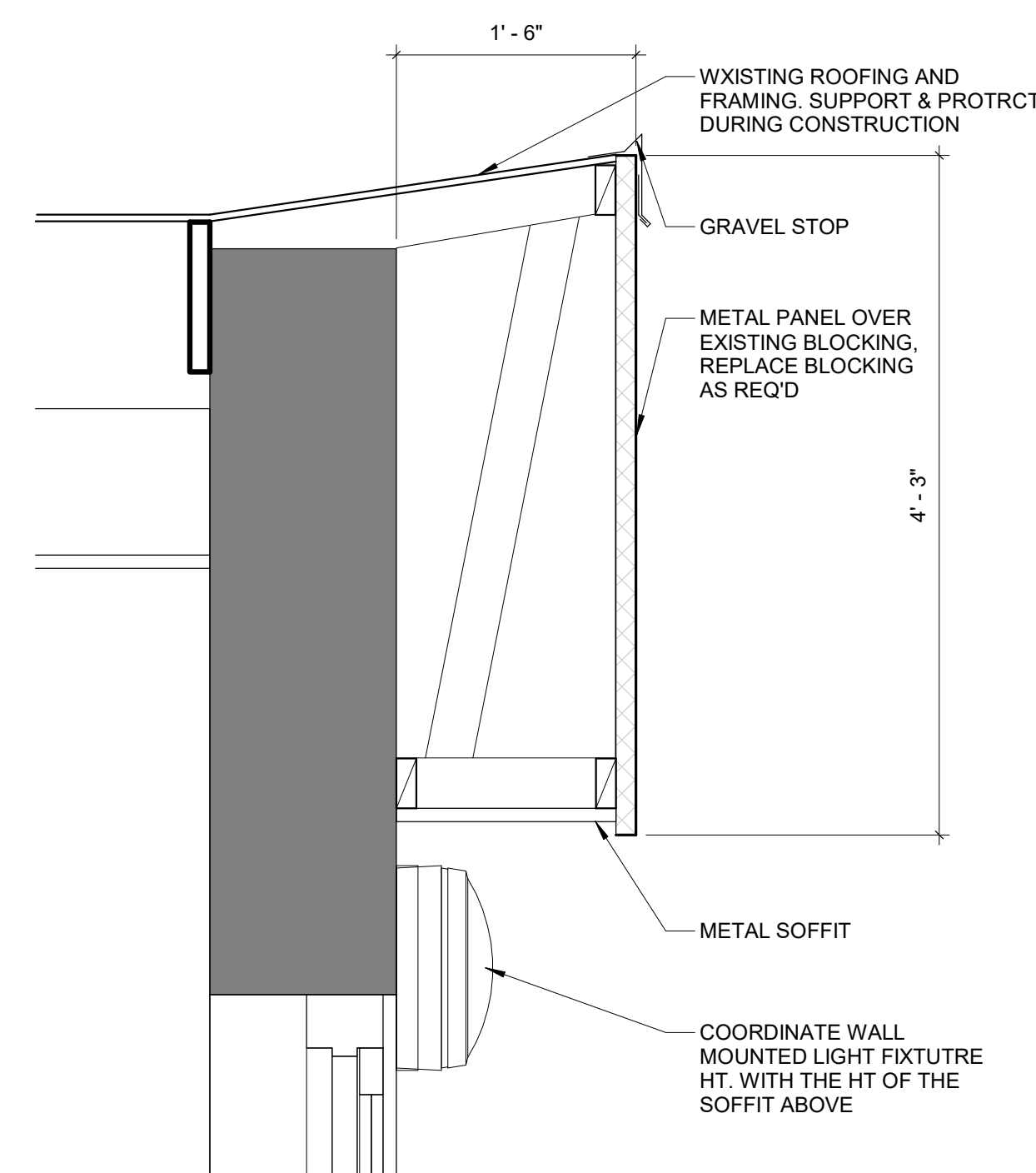
PERMIT SET 10/23/20



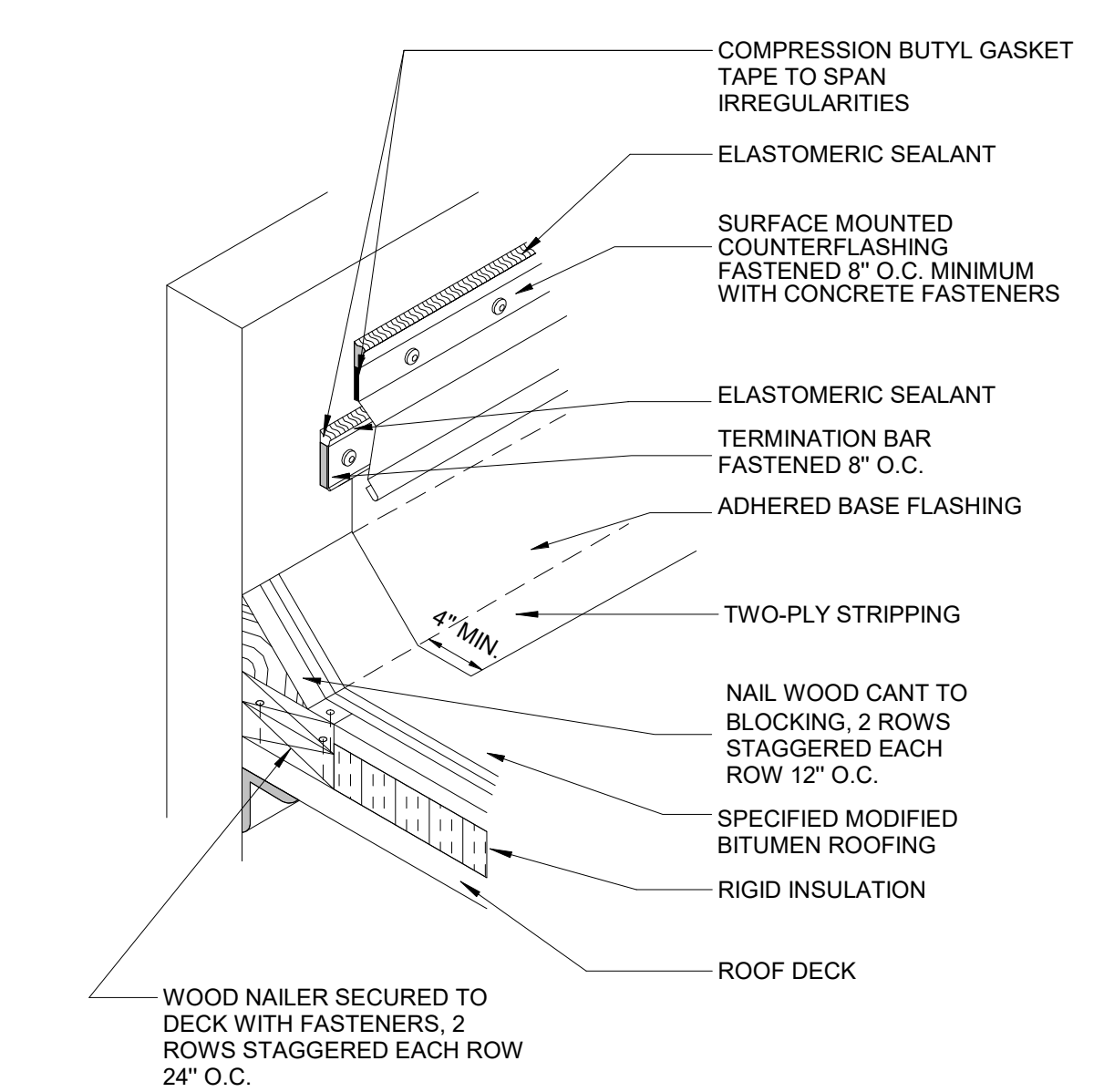


**1** PROPOSED ROOF PLAN  
3/16" = 1'-0"

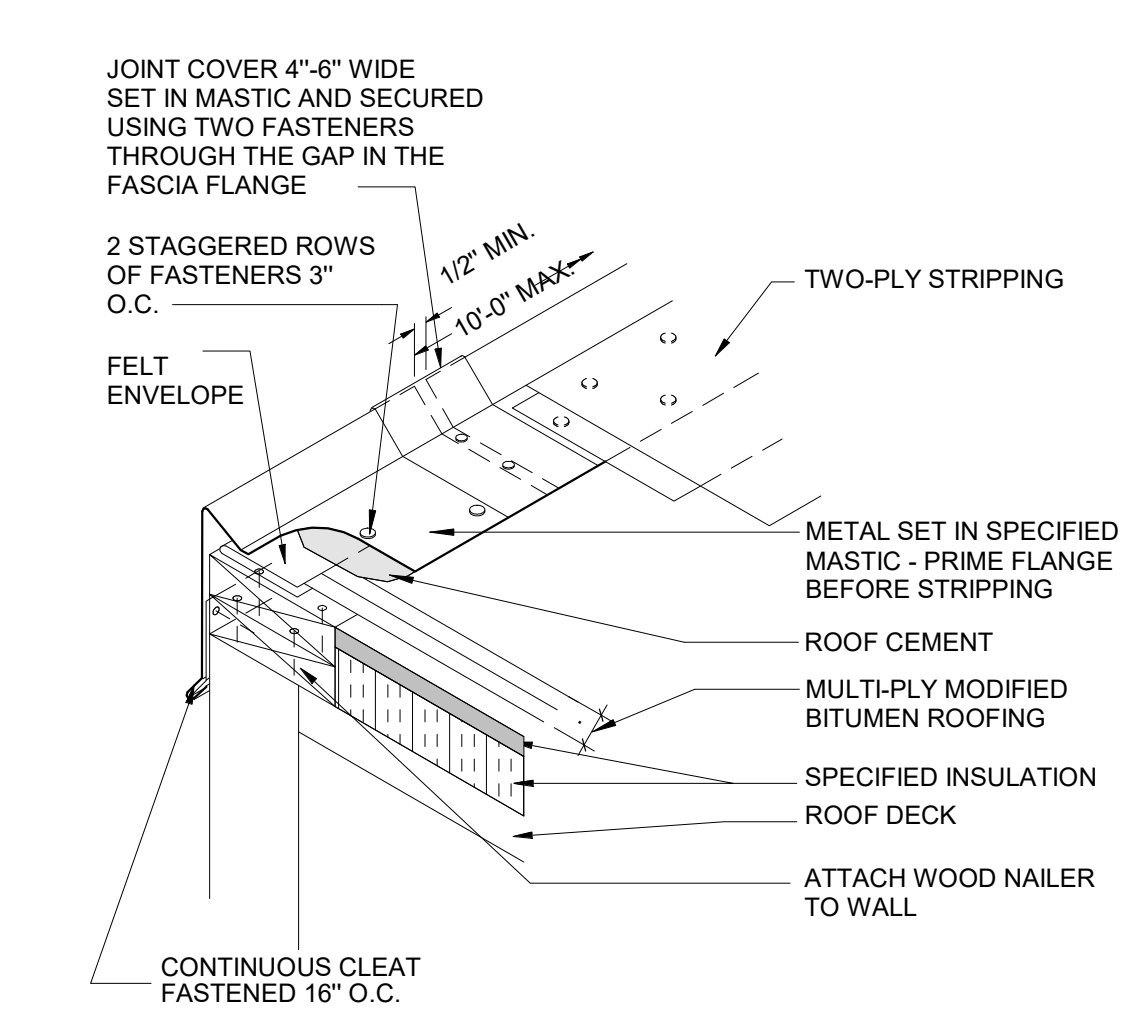
- GENERAL CONSTRUCTION NOTES**
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS BEFORE START OF WORK. NOTIFY ARCHITECT IN WRITING OF ALL DISCREPANCIES BEFORE START OF WORK.
  2. INTERIOR DIMENSIONS ARE TO FINISHED FACE OF WALL SURFACE.
  3. ALL DOOR JAMBS AT HINGE SIDE TO BE SET 6" FROM ADJACENT WALL (MIN.) OR AS OTHERWISE NOTED.
  4. ALL FLOORING TRANSITIONS SHALL OCCUR AT CENTERLINE OF CLOSED DOOR, TYPICAL UNO.
  5. REFERENCE FINISH SCHEDULE FOR FINISH SPECIFICATIONS.
  6. CONTRACTOR SHALL PROVIDE AND INSTALL WALL BLOCKING AS REQUIRED TO SUPPORT ALL WALL HUNG CABINETS, WALL-HUNG FIXTURES, COUNTERTOPS, SHELVING, AND ACCESSORIES. CONTRACTOR TO COORDINATE CLEARANCES FOR ALL BACK TO BACK FIXTURES.
  7. CONFIRM ALL MEASUREMENTS. ALIGN FACE OF NEW CONSTRUCTION WITH FACE OF EXISTING CONSTRUCTION UNO.
  8. FLUSH LEVER ON TOILET TO BE LOCATED ON LAVATORY SIDE.
  9. REFER TO SHEET G0.2, FOR ALL PLUMBING FIXTURES AND ACCESSORIES MOUNTING HEIGHTS.
  10. PROTECT ALL EXISTING ITEMS TO REMAIN DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
  11. SEE PLUMBING DRAWINGS FOR TOILET ROOM FIXTURE SCHEDULE.
  12. REFER TO SHEET A7.0 FOR TOILET ROOM ACCESSORIES SCHEDULE.
  13. PATCH AND REPAIR EXTERIOR MASONRY WALL SURFACES AND FINISH SURFACES WITH CEMENT PLASTER TO MATCH EXISTING.
  14. PRIME ALL NEW AND PATCHED EXTERIOR WALL SURFACES TO RECEIVE FINISH COATS. FINISH COATS BY OTHERS, UNO.
  15. FOR WINDOW AND DOOR TYPES SEE SHEET A7.0.
  16. COORDINATE ALL OPENINGS IN CMU WALLS WITH MECHANICAL AND STRUCTURAL.
  17. VERIFY STRUCTURAL JOIST DIMENSIONS.



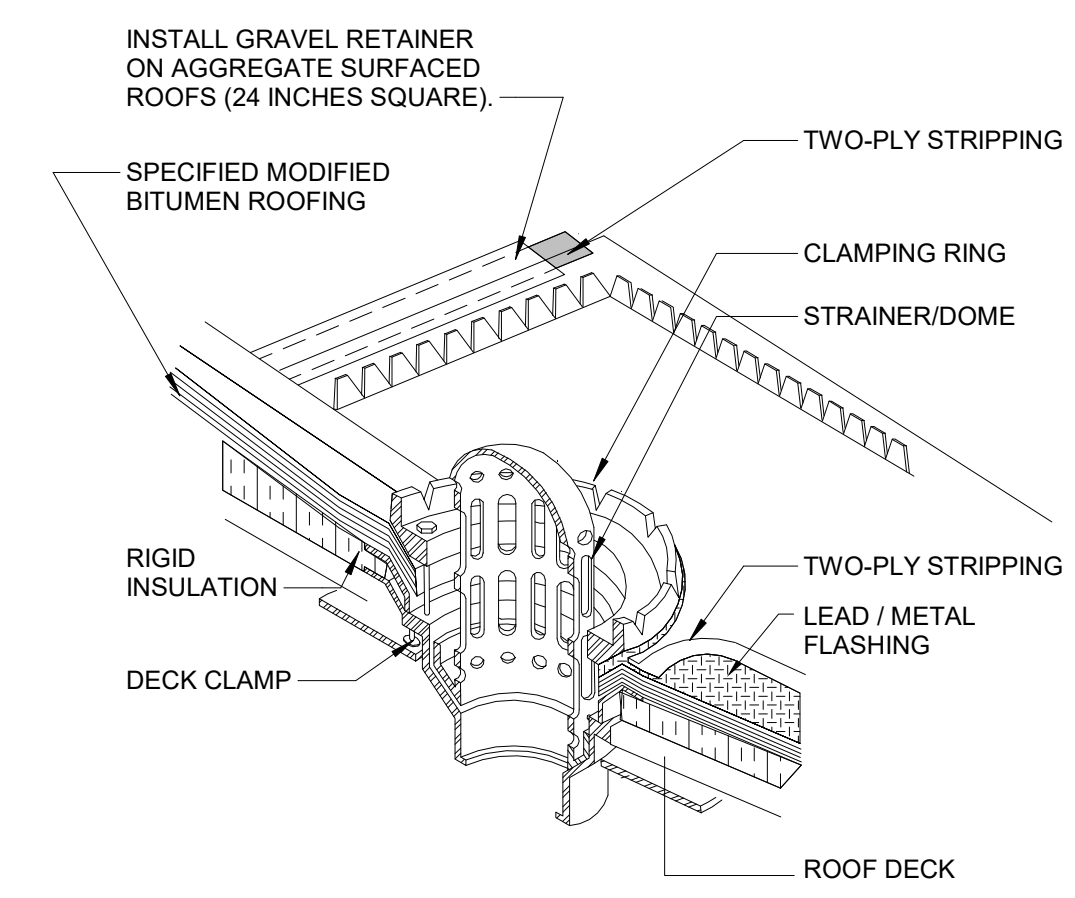
**7** DETAIL AT METAL FASCIA  
1" = 1'-0"



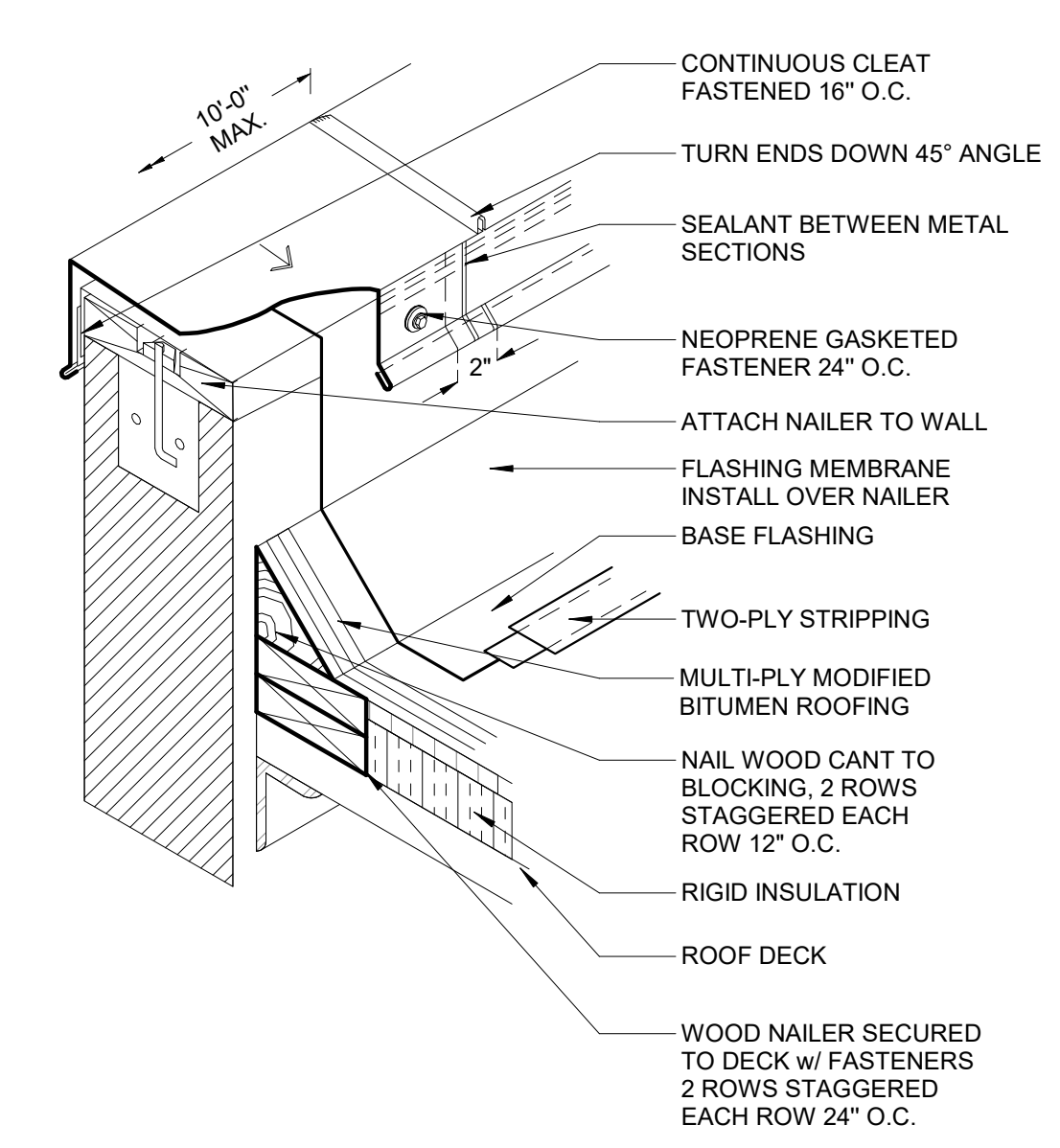
**2** WALL FLASHING AT EXISTING PARAPET  
NTS



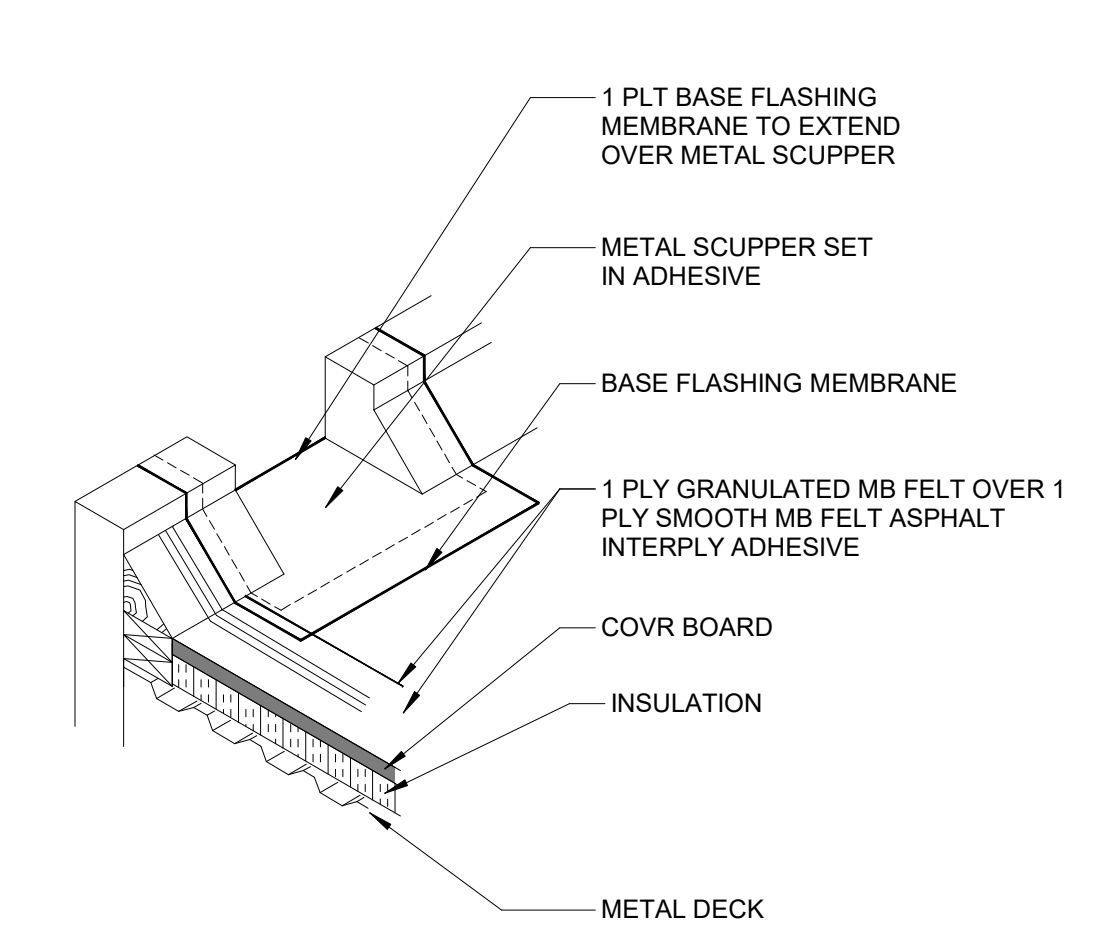
**3** GRAVEL STOP  
NTS



**4** ROOF DRAIN WITH DEBRIS GAURD  
NTS



**5** MOD BIT - NEW PARAPET  
NTS



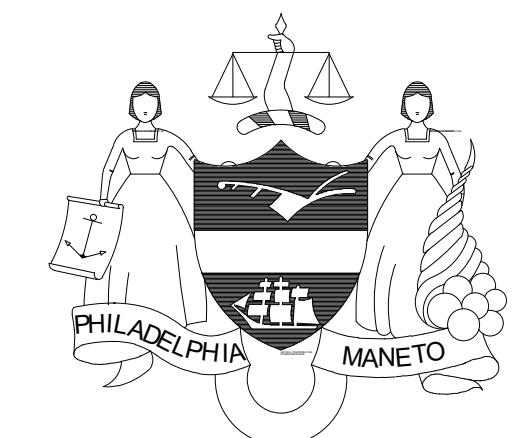
**6** SCUPPER  
NTS

- NOTES**
1. PRIME ALL METAL SURFACES THAT WILL COME INTO CONTACT WITH ADHESIVES.

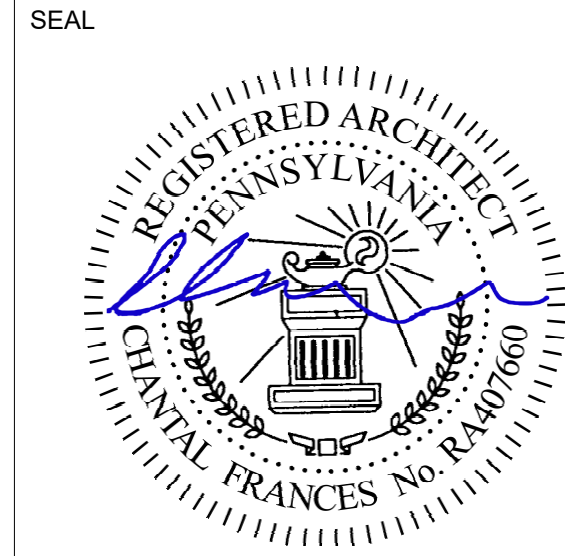
- NOTES**
1. ALL METAL SURFACES SHALL BE PRIMED BEFORE CONTACT WITH ANY ADHESIVE OR ROOF CEMENT.

NOTE: ALL WOOD BLOCKING TO BE PRESSURE TREATED WOOD (TYP)

REVISIONS		
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267.256.0300 | WWW.JMT.COM  
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PHILADELPHIA, PENNSYLVANIA

**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
ROOF PLAN

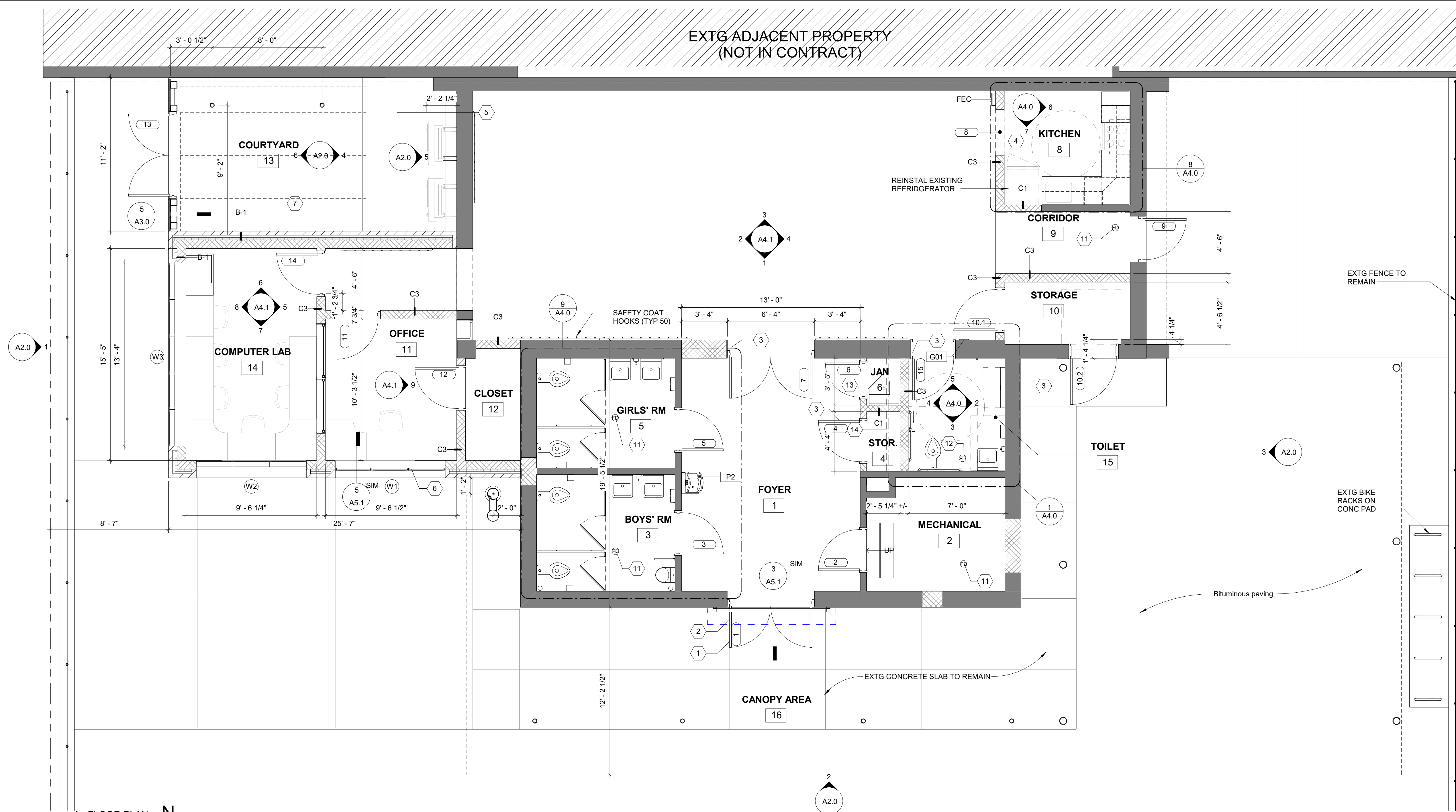
<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b> <b>A1.0</b>
<b>DATE:</b>	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> --	<b>FILE:</b>

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

PERMIT SET 10/23/20



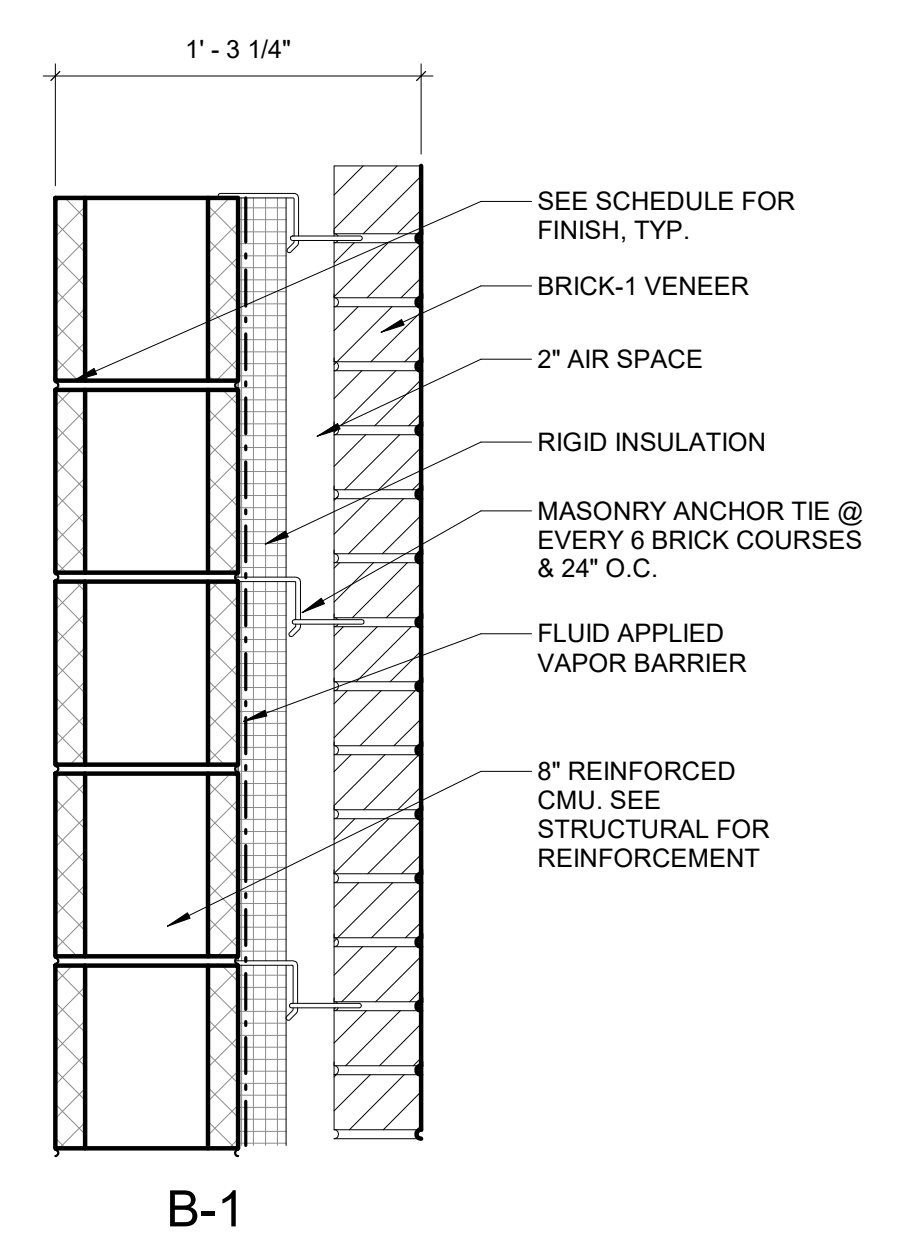
EXTG ADJACENT PROPERTY  
(NOT IN CONTRACT)



1 FLOOR PLAN  
1/4" = 1'-0"

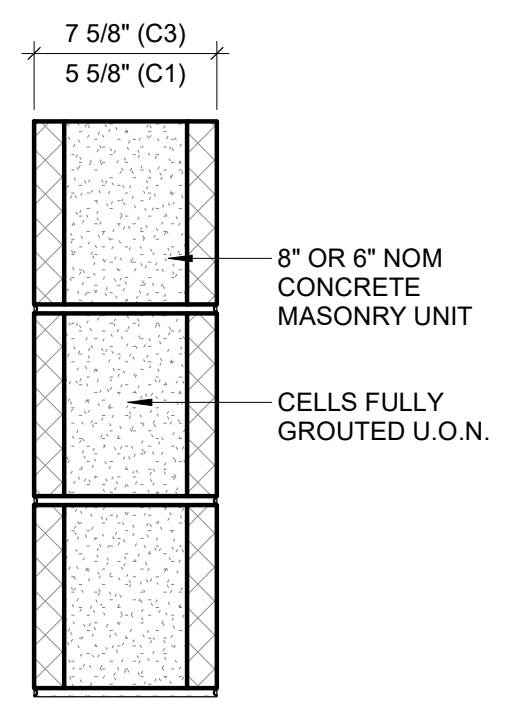
GENERAL CONSTRUCTION NOTES:

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- PRIME ALL NEW AND PATCHED EXTERIOR WALL SURFACES TO RECEIVE FINISH COATS. FINISH COATS BY OTHERS, UNO.
- FOR WINDOW AND DOOR TYPES SEE SHEET A7.0.
- COORDINATE ALL OPENINGS IN CMU WALLS WITH MECHANICAL AND STRUCTURAL.
- VERIFY STRUCTURAL JOIST DIMENSIONS.
- INFILL ALL EXISTING SURFACES WITH BRICK TO MATCH EXISTING, SEE SHEE A2.0 FOR LOCATIONS.
- TOOTH IN BRICK AND CMU AT ALL OPENINGS TO BE MODIFIED AND INFILLED



**PARTITION TYPE NOTES:**

- SEE SPEC SECTION 04 FOR INFORMATION ON CONCRETE MASONRY UNIT ASSEMBLIES
- ALL PARTITIONS MUST FIT TIGHT TO STRUCTURAL SLAB, DECK, OR PLANK, U.O.N.
- GWBS IS 5/8", U.O.N.



C3 = 8" CMU  
C1 = 6" CMU

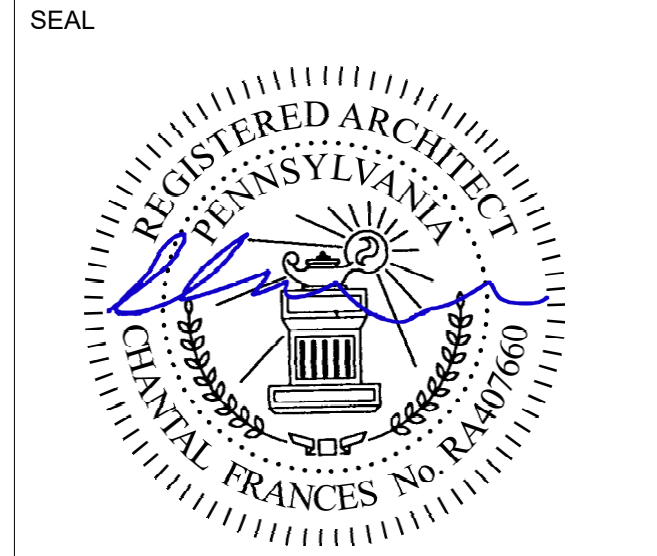
PARTITION TYPES  
1 1/2" = 1'-0"

FLOOR PLAN KEYNOTES	
Note No	Note Text
1	NEW GLASS AND ALUMINUM ENTRY DOOR IN ENLARGED OPENING IN EXISTING MASONRY WALL
2	PREFINISHED MANUAL OH SECURITY ROLL-UP DOOR, SURFACE MOUNTED.
3	NEW DOOR, FRAME AND HARDWARE IN EXISTING/MODIFIED MASONRY OPENING
4	STAINLESS STEEL KITCHEN CABINETS, STOVE, AND COUNTERTOP
5	CHAIN LINK CAGE AREA FOR AHU
6	HOPPER WINDOWS WITH EXTERIOR SECURITY GRILLE, SEE A6.0
7	AHU LOCATION SEE MECHANICAL DRAWINGS
11	EXISTING FLOOR DRAIN TO REMAIN.
12	NEW FLOOR DRAIN, SEE PLUMBING.
13	UTILITY AND STANDARD SHEVING
14	STANDARD SHELVING

REVISIONS		
ISSUE	DATE	DESCRIPTION



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**CITY OF PHILADELPHIA**  
**DEPARTMENT OF PUBLIC PROPERTY**  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
FLOOR PLAN

**PROJECT NO.**  
10-20-XXXX-01

**DRAWING NO.**  
**A1.1**

**DATE:**  
AS NOTED

**SCALE:**  
AS NOTED

**DRAWN BY:**  
MH

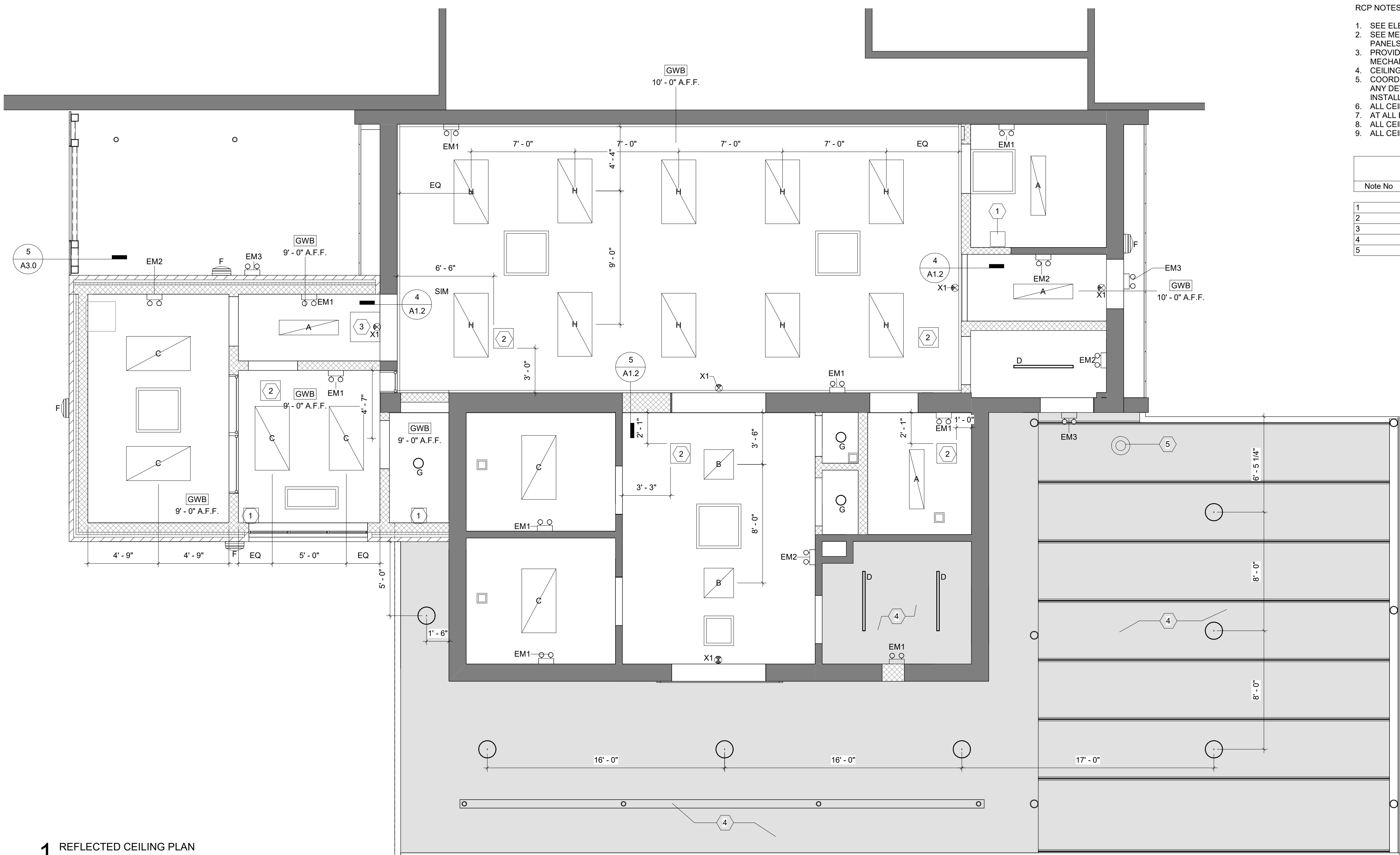
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**FILE:**

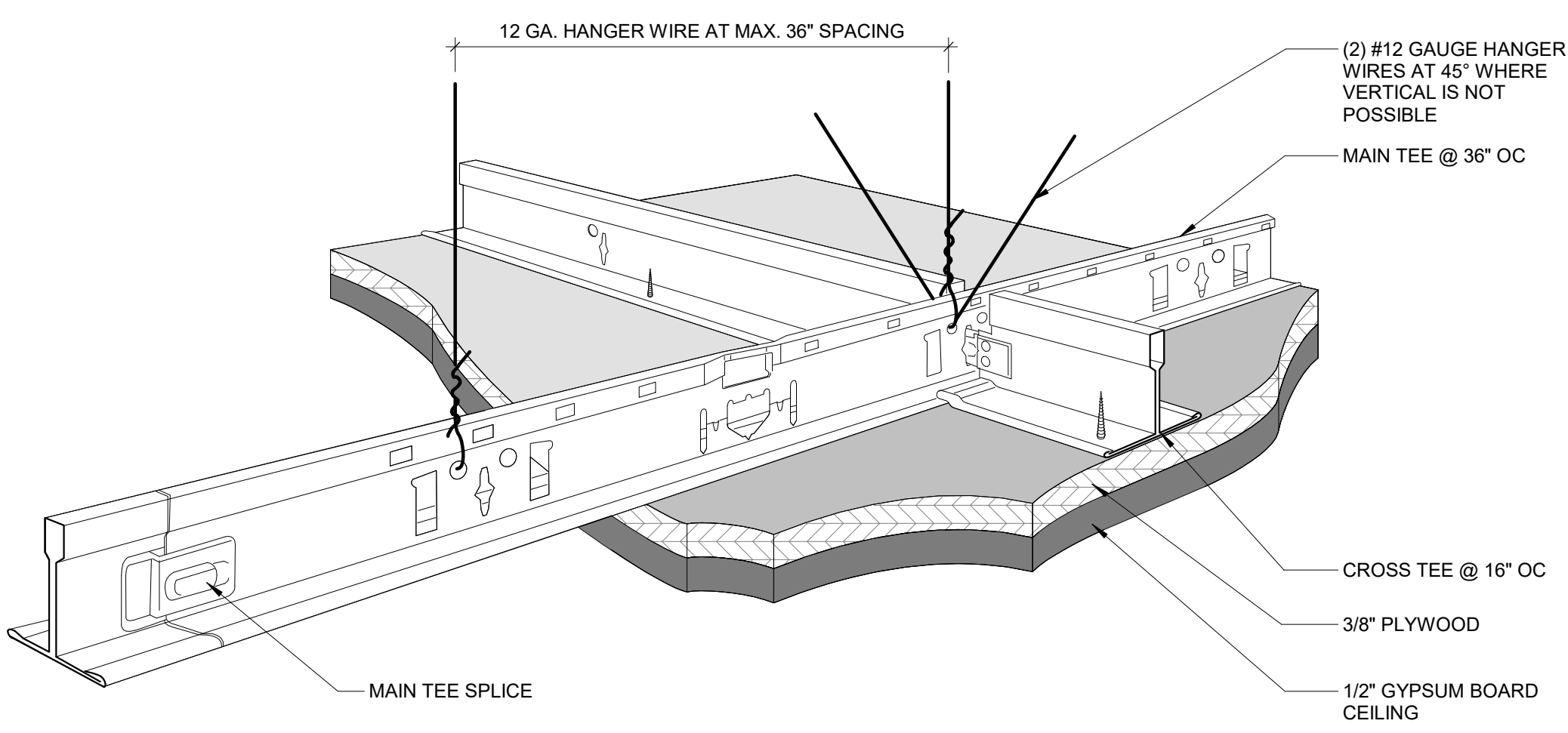
**NOTE:** ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

PERMIT SET 10/23/20

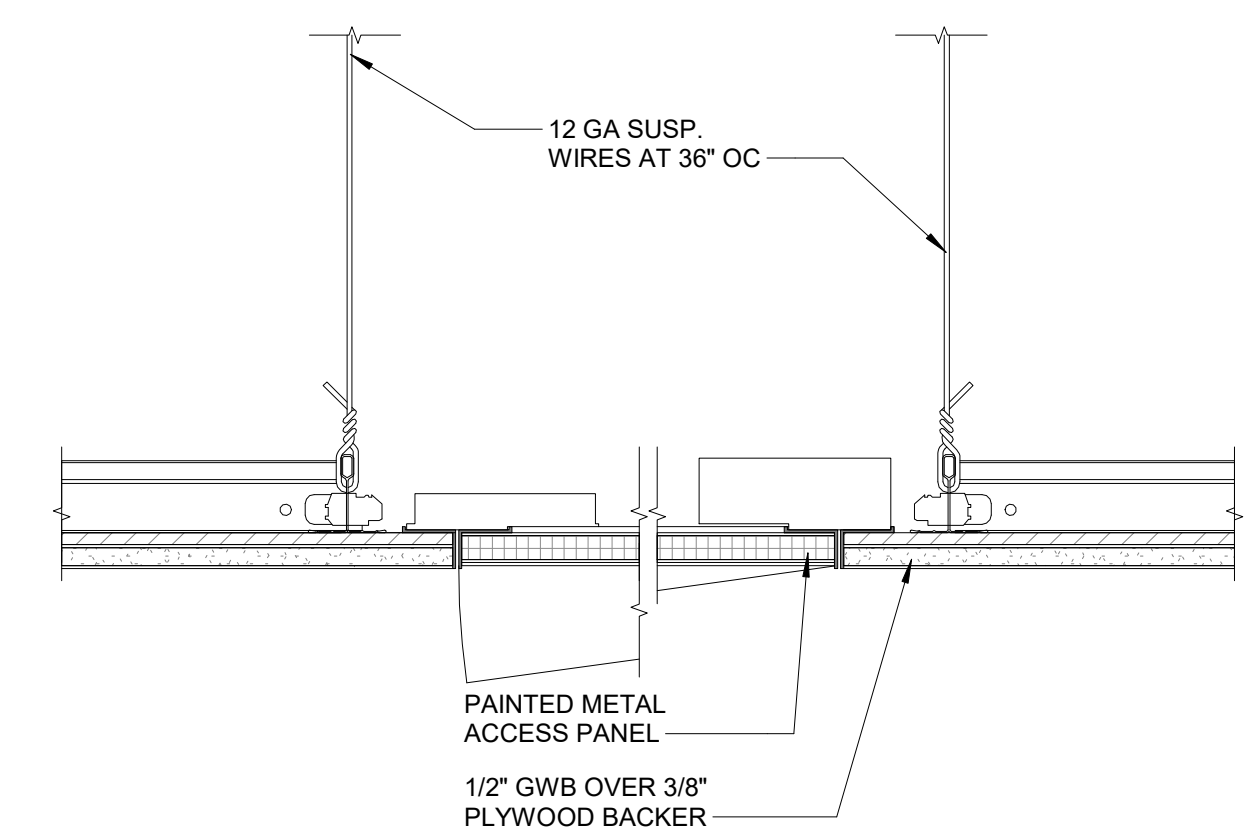




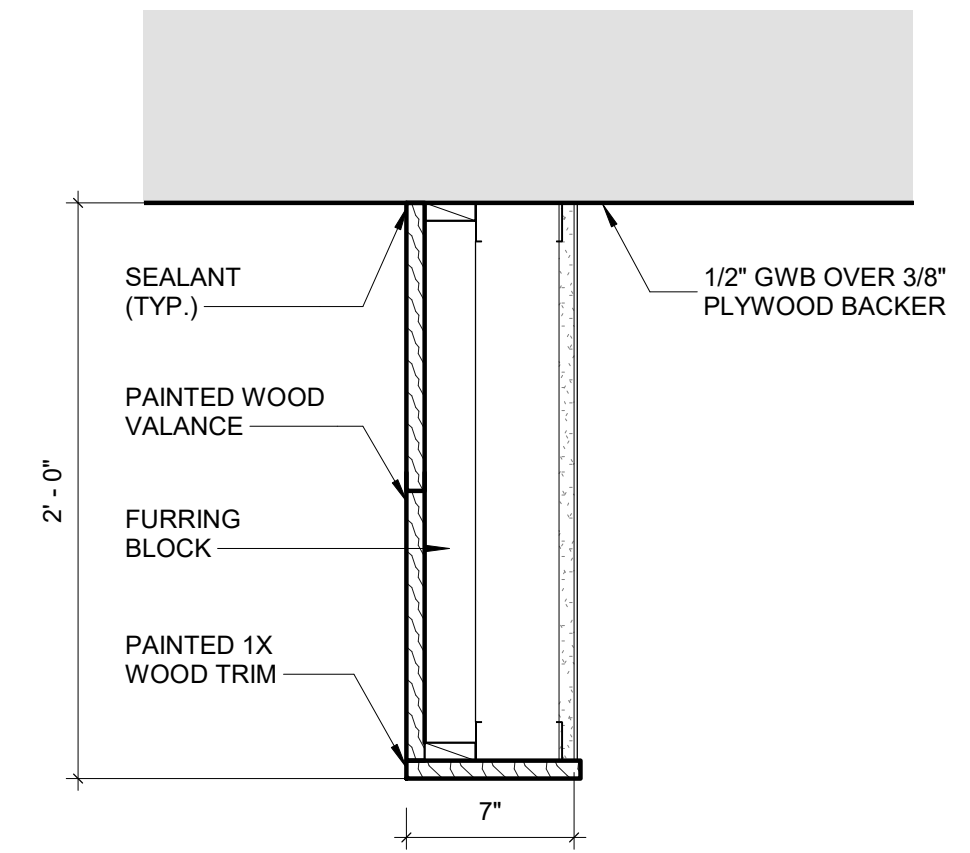
**1 REFLECTED CEILING PLAN**  
1/4" = 1'-0"  
4' 2' 0' 4' 8'



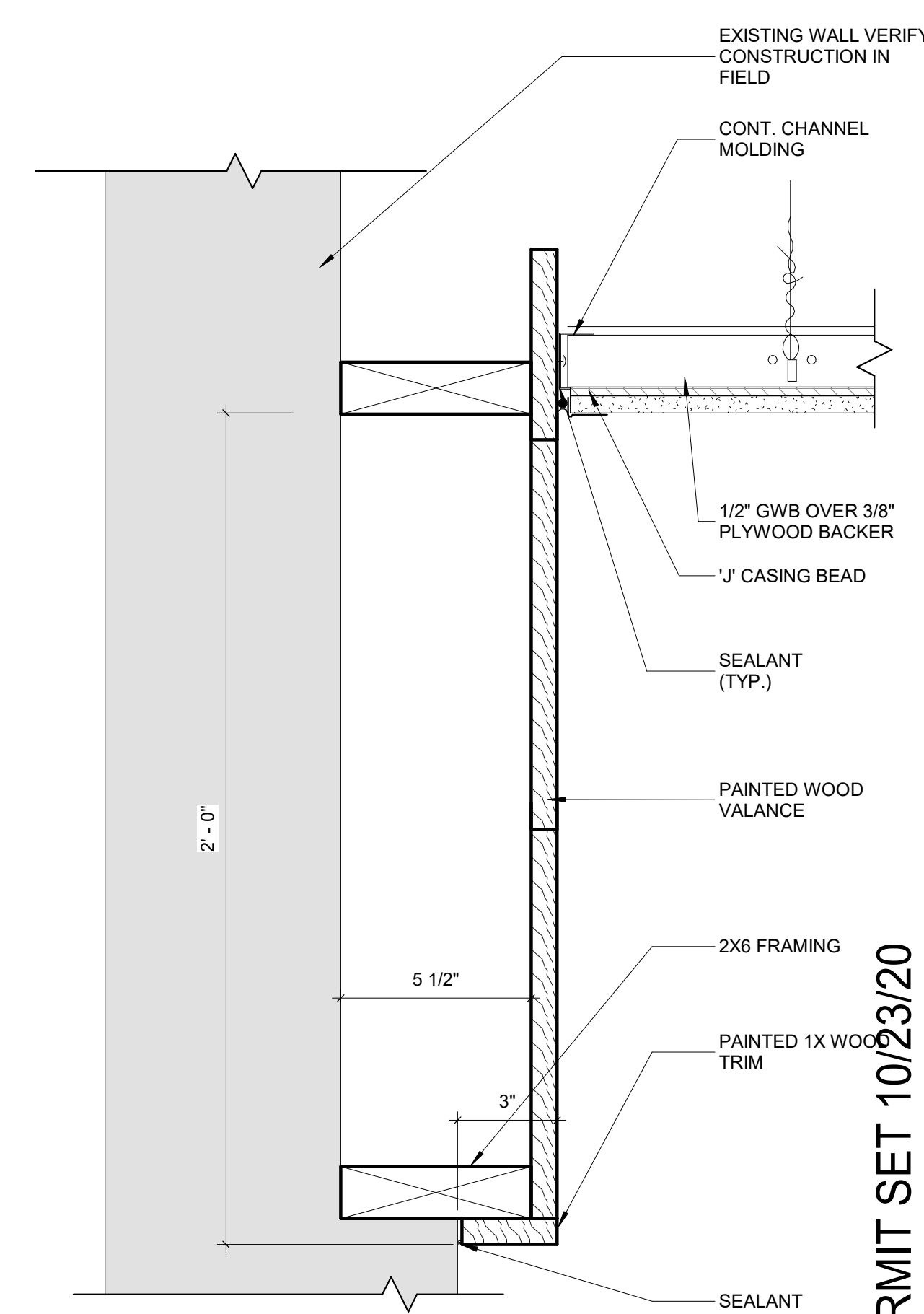
**2 GWB TYPICAL CEILING SUSPENSION DETAIL**  
N.T.S.



**3 TYPICAL GYPSUM CEILING ASSEMBLY DETAIL**  
3/8" = 1'-0"



**4 SOFFIT DETAIL**  
1 1/2" = 1'-0"



**5 CEILING VALANCE AND EDGE DETAIL**  
3/8" = 1'-0"

**RCP NOTES:**

- SEE ELECTRICAL/POWER DRAWINGS FOR ADDITIONAL INFORMATION
- SEE MECHANICAL DRAWINGS FOR CEILING GRILLES AND DIFFUSERS, CABINET HEATER UNITS, AND LOCATIONS OF ACCESS PANELS REQUIRED FOR MESHANICAL EQUIPMENT.
- PROVIDE BLOCKING AND UNISTRUT FRAMING AS REQUIRED ABOVE SUSPENDED CEILING FOR LIGHT FIXTURES AND MECHANICAL SUPPORTS
- CEILING HEIGHTS ARE MEASURED FROM FINISHED FLOOR TO UNDERSIDE OF CEILING.
- COORDINATE ALL DUCTS, PIPING, LIGHTS, ETC IN ORDER TO MAINTAIN LOCATION OF ALL CEILING HEIGHTS AS INDICATED. ANY DEVIATION FROM THE DRAWINGS MUST BE NOTED TO THE ARCHITECT IN WRITING AND APPROVED PRIOR TO INSTALLATION, NO EXCEPTIONS.
- ALL CEILINGS TO BE ABOVE FINISHED FLOOR U.N.O.
- AT ALL EXISTING SPACES WITH NEW REPLACEMENT CEILINGS, G.C. IS TO MATCH EXISTING CEILING HEIGHTS.
- ALL CEILING FIXTURES TO BE CENTERED WHERE APPLICABLE UNO
- ALL CEILINGS ARE AT 8'-0" AFF UNO

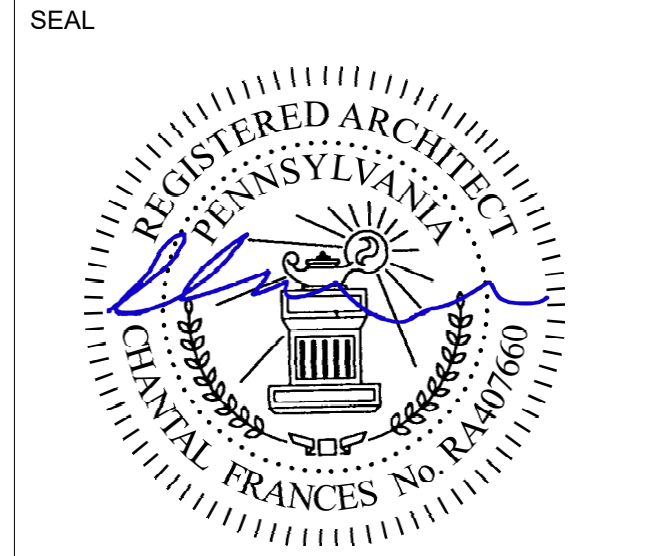
REFLECTED CEILING PLAN KEYNOTES	
Note No	Note Text
1	12"x12" ACCESS PANEL, COORDINATE FINAL LOCATION WITH PLUMBING CLEANOUTS
2	16"x16" ACCESS PANEL, COORDINATE FINAL LOCATION WITH DAMPERS
3	24"x24" ACCESS PANEL, COORDINATE FINAL LOCATION WITH DAMPERS
4	EXISTING TO REMAIN, PAINT ALL EXPOSED SURFACES AND STRUCTURE
5	PAINT EXISTING RWC

RCP LEGEND	
(Hatched Area)	EXISTING CEILING TO REMAIN, PREP TO RECIEVE NEW PAINT
A	2X2 INTERIOR RECESSED LED LIGHTING; VANDAL RESISTANT
B	2X2 INTERIOR RECESSED LED LIGHTING; VANDAL RESISTANT
C H	2X4 INTERIOR RECESSED LED LIGHTING; VANDAL RESISTANT
D	INTERIOR PENDANT MOUNTED LED LIGHTING; VANDAL RESISTANT
E	15" ROUND EXTERIOR SURFACE MOUNTED LED LIGHTING; VANDAL RESISTANT
F	15" ROUND EXTERIOR WALL MOUNTED LED LIGHTING; VANDAL RESISTANT
G	RECESSED CEILING FIXTURE
X1	EXIT SIGN WALL MONTED; VANDAL RESISTANT
EM1 EM2 EM3	EMERGENCY LIGHT WALL MONTED; SEE ELECTRICAL
(Square with X)	MECHANICAL DIFFUSER, SEE MECHANICAL FOR SIZE AND TYPE

REVISIONS		
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**PROJECT TITLE**  
NELSON PLAYGROUND

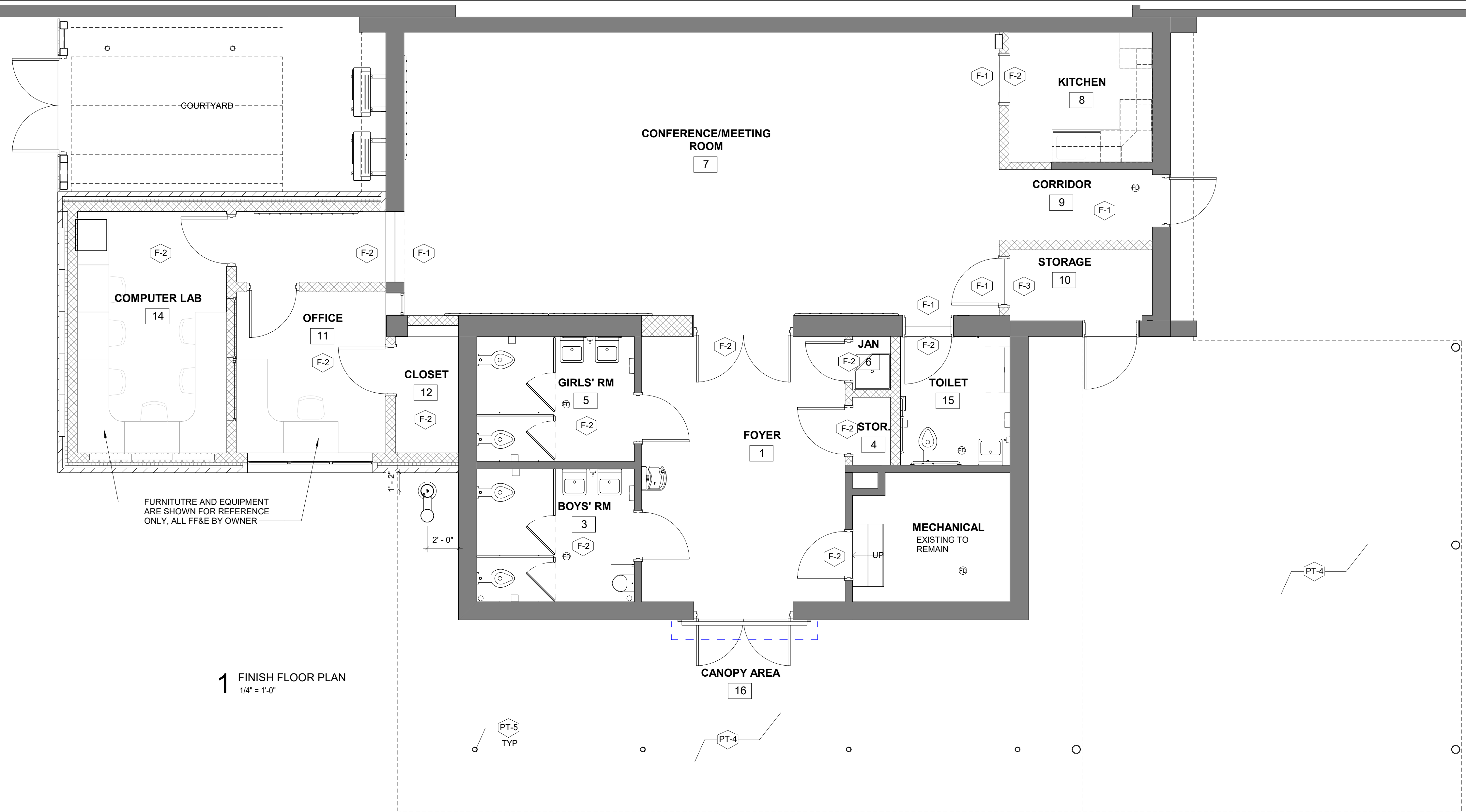
**DRAWING TITLE**  
REFLECTED CEILING PLANS

<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b> <b>A1.2</b>
<b>DATE:</b> SCALE: AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b>	<b>FILE:</b>

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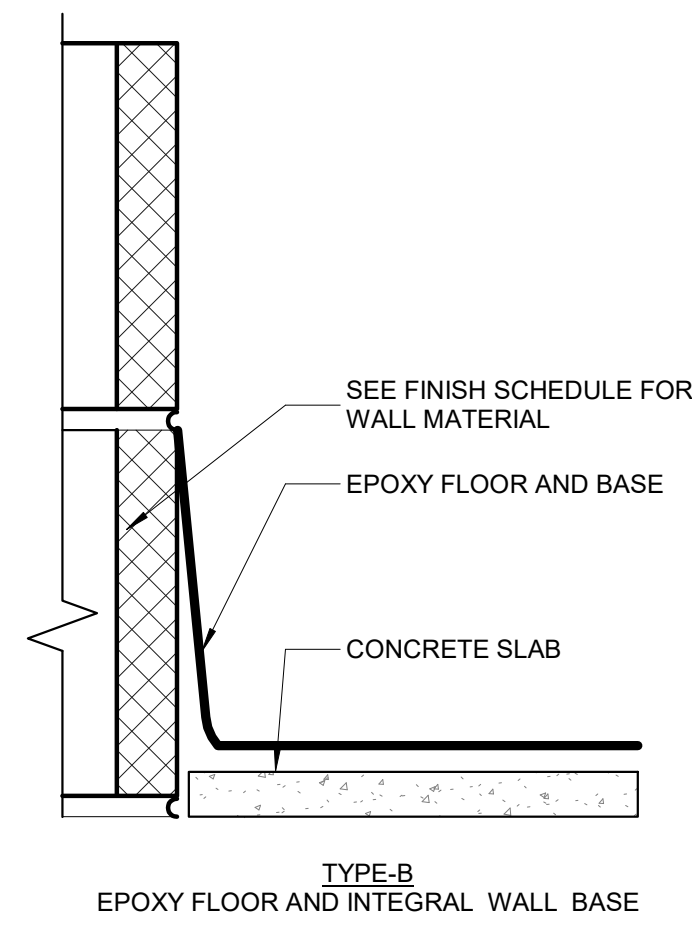
PERMIT SET 10/23/20





**1** FINISH FLOOR PLAN  
1/4" = 1'-0"

ROOM FINISH SCHEDULE						
NO.	ROOM NAME	FINISH				COMMENTS
		FLOOR	BASE	WALL	CEILING	
1	FOYER	F-1	INTEGRAL F-1	PT-2	PT-1	
2	MECHANICAL	EXIST	N/A	PT-2	PT-1	
3	BOYS' RM	F-1	INTEGRAL F-1	PT-2	PT-1	
4	STOR.	F-1	INTEGRAL F-1	PT-2	PT-1	
5	GIRLS' RM	F-1	INTEGRAL F-1	PT-2	PT-1	
6	JAN	F-1	INTEGRAL F-1	PT-2	PT-1	
7	CONFERENCE/MEETING ROOM	F-2	INTEGRAL F-2	PT-2	PT-1	
8	KITCHEN	F-1	INTEGRAL F-1	PT-2	PT-1	
9	CORRIDOR	F-2	INTEGRAL F-2	PT-2	PT-1	
10	STORAGE	F-3	N/A	PT-2	PT-1	
11	OFFICE	F-1	INTEGRAL F-2	PT-2	PT-1	
12	CLOSET	F-1	INTEGRAL F-1	PT-2	PT-1	
13	COURTYARD	N/A	N/A	N/A	N/A	
14	COMPUTER LAB	F-1	INTEGRAL F-1	PT-2	PT-1	
15	TOILET	F-1	INTEGRAL F-1	PT-2	PT-1	
16	CANOPY AREA	EXIST	N/A	N/A	PT-4	

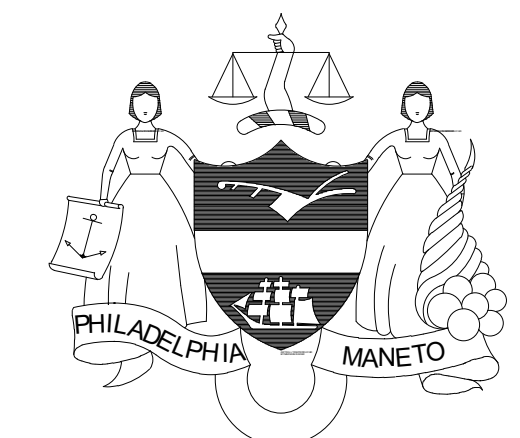


WALL BASE DETAILS  
3" = 1'-0"

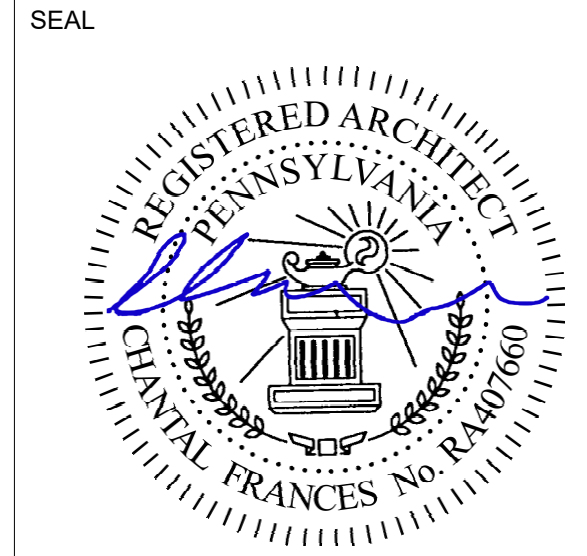
FINISH SCHEDULE				
FINISH TYPE	CODE	MANUF. / STYLE / SERIES	COLOR	REMARKS
FLOORING	F-1	STONHARD STONTEC TRF	SMOKY MOUNTAINS	RESINOUS FLOOR APPLICATION WITH INTEGRAL BASE
FLOORING	F-2	STONHARD STONTEC TRF	GLACIER PEAK	RESINOUS FLOOR APPLICATION WITH INTEGRAL BASE
FLOORING	F-3	SEALED CONCRETE		
BASE	B-1	STONHARD STONTEC TRF	SMOKY MOUNTAINS INTEGRATED EPOXY FLOOR BASE	THROUGHOUT ALL SPACES WITH F-1 FLOOR FINISH
BASE	B-2	STONHARD STONTEC TRF	GLACIER PEAK INTEGRATED EPOXY FLOOR BASE	THROUGHOUT ALL SPACES WITH F-2 FLOOR FINISH
PAINT	PT-1	SHERWIN WILLIAMS LATEX SEMI-GLOSS ENAMEL	CEILING BRIGHT WHITE 5W-7007	ALL EXPOSED AND GWB CEILINGS
PAINT	PT-2	SHERWIN WILLIAMS LATEX SEMI-GLOSS ENAMEL	OLYMPUS WHITE 5W-6253	THROUGHOUT ALL INTERIOR SPACES
PAINT	PT-3	SHERWIN WILLIAMS LATEX SEMI-GLOSS ENAMEL	SOFTWARE 5W-7074	ALL INTERIOR DOORS & FRAMES
PAINT	PT-4			BY MURAL ARTS PROGRAM
PAINT	PT-5			BY MURAL ARTS PROGRAM

PERMIT SET 10/23/20

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Tara Rasheed, 215-683-0252



**PROJECT TEAM**  
**ARCHITECT:**  
JMT | ARCHITECTURE  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
1600 MARKET STREET, SUITE 520  
PHILADELPHIA, PA 19103  
267.256.0300 | WWW.JMT.COM

**STRUCTURAL ENGINEER:**  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
1600 MARKET STREET, SUITE 520  
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**CITY OF PHILADELPHIA**  
**DEPARTMENT OF PUBLIC PROPERTY**  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
FINISH PLAN

**PROJECT NO.**  
10-20-XXXX-01

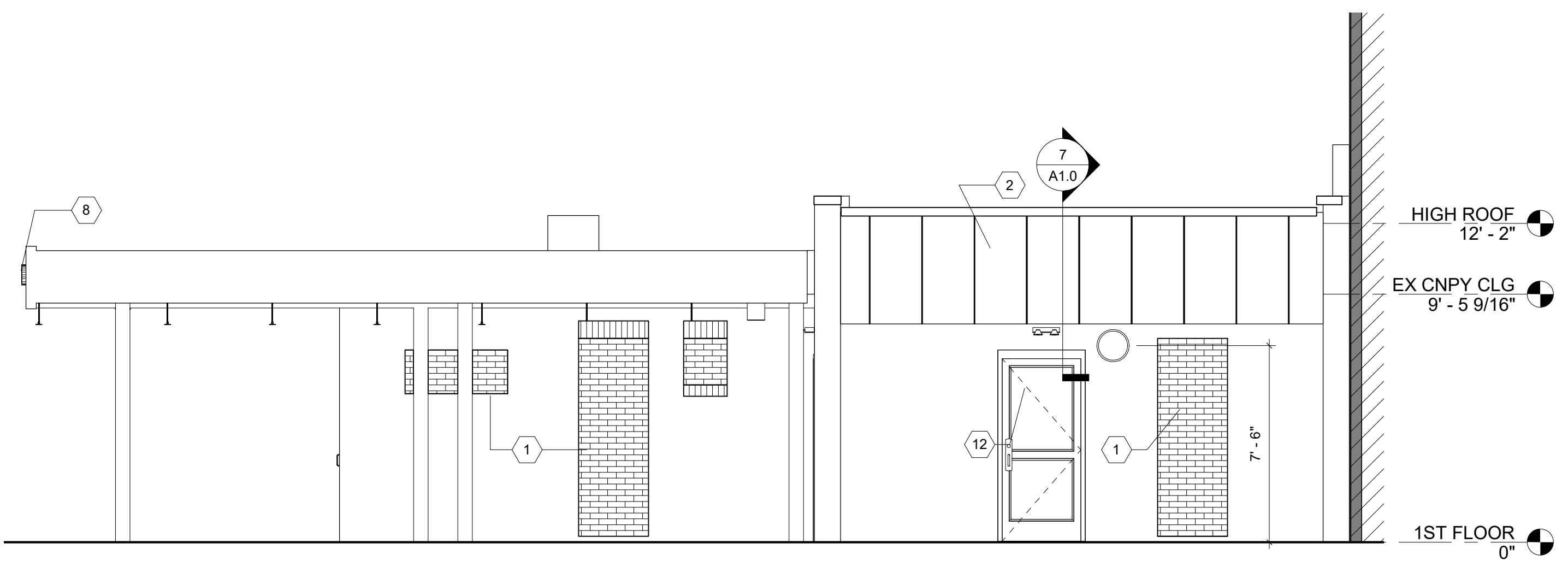
**DRAWING NO.**  
**A1.3**

**DATE:**  
**SCALE:** AS NOTED

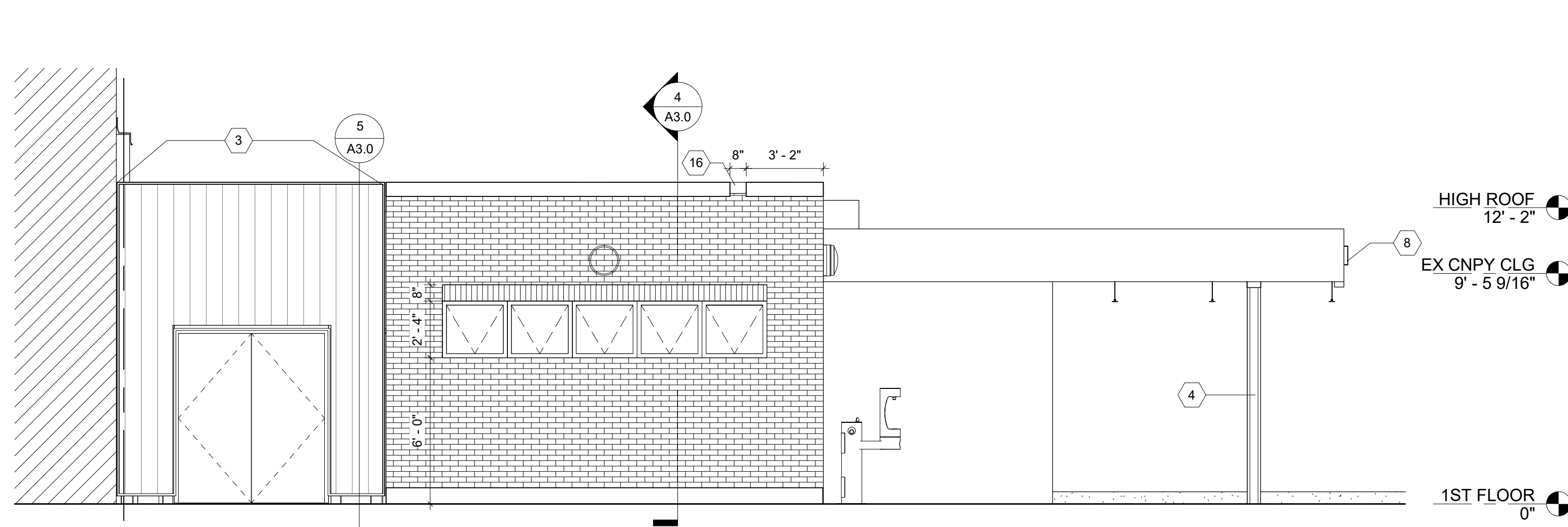
**DRAWN BY:** MH

**CHECKED BY:** GS

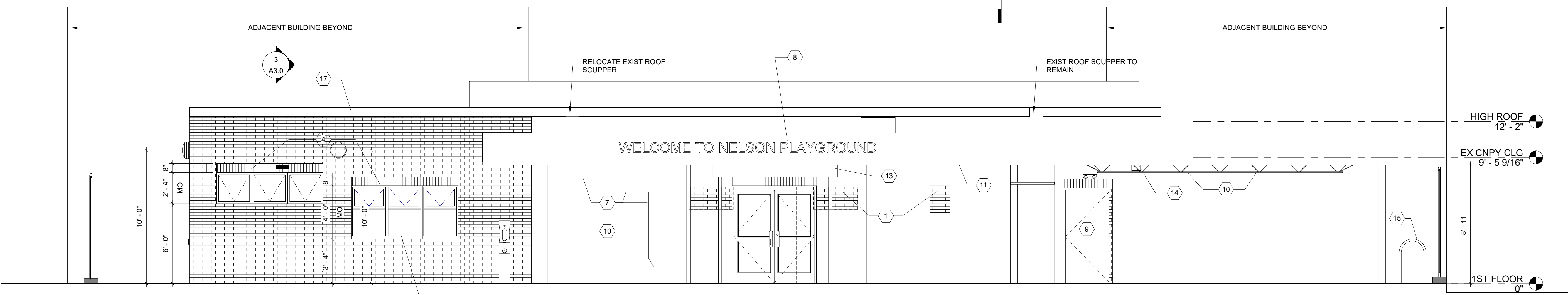
**NOTE:** ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



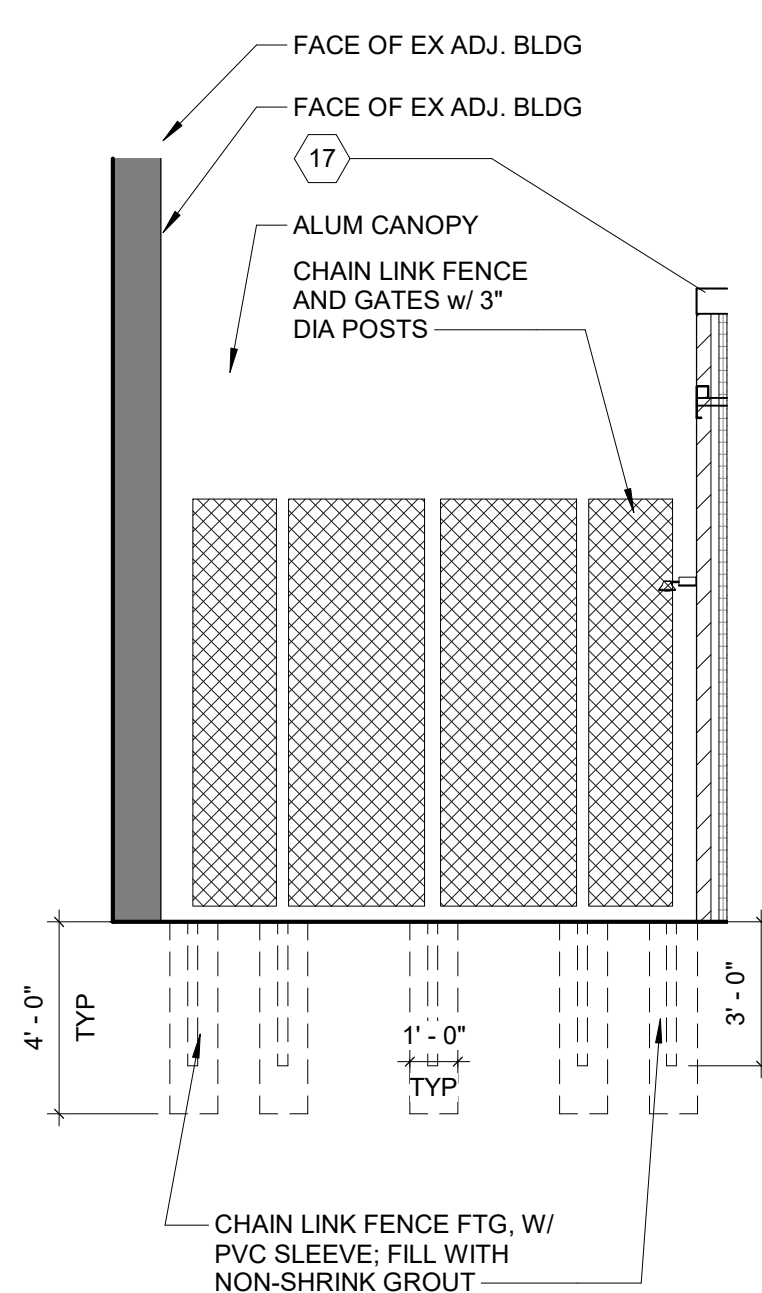
**1 EAST ELEVATION**  
1/4" = 1'-0"



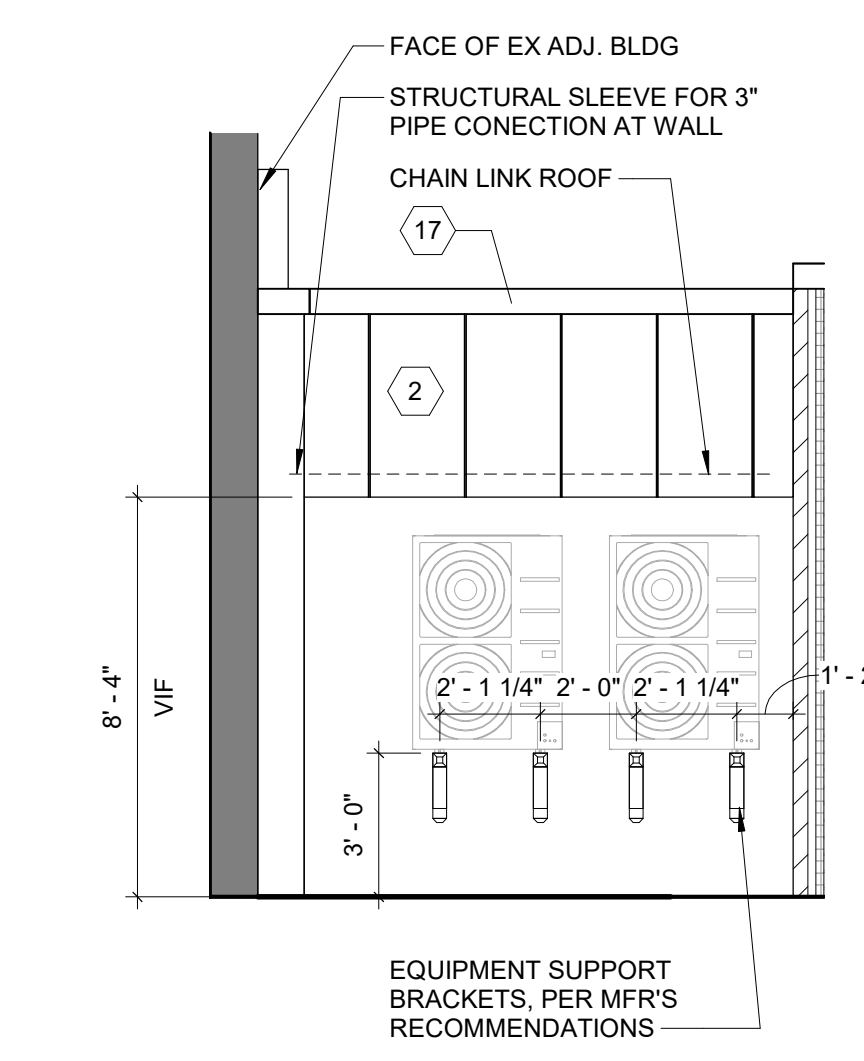
**2 WEST ELEVATION**  
1/4" = 1'-0"



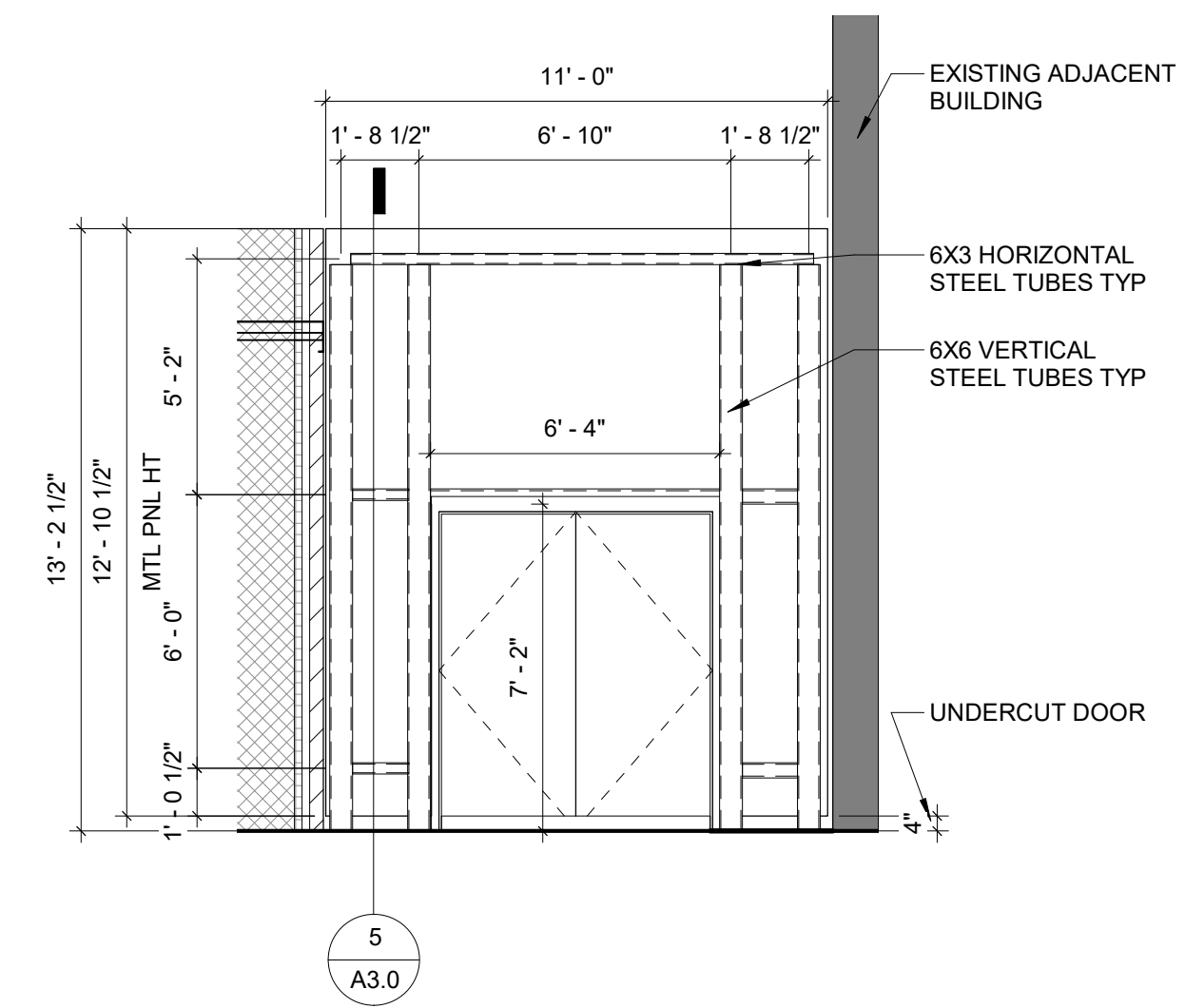
**3 SOUTH ELEVATION (FRONT)**  
1/4" = 1'-0"



**4 COURTYARD - EAST WALL**  
1/4" = 1'-0"



**5 COURTYARD - EAST WALL AHU SUPPORT**  
1/4" = 1'-0"



**6 COURTYARD - WEST SCREEN WALL**  
1/4" = 1'-0"

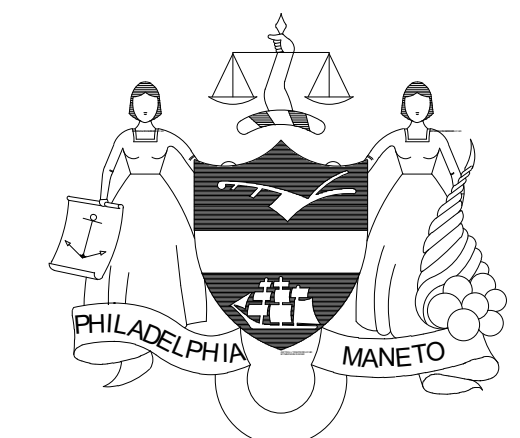
**EXTERIOR ELEVATION NOTES:**

1. PROVIDE CONTROL JOINTS (C.J.) AT ALL NEW MASONRY BRICK WALLS AT A MINIMUM OF 20'-0" O.C. AND WITHIN 5'-0" FROM ALL CORNERS.
2. TOOTH IN MASONRY AT ALL INFILLED OPENINGS
3. EXISTING MASONRY PARTY WALLS, AND FOUNDATIONS OF ADJACENT PROPERTIES ARE TO REMAIN UNDISTURBED.
4. COORDINATE WORK WITH EXISTING ROOF, COPINGS AND FLASINGS. NEW WORK IS NOT TO VOID EXISTING ROOFING WARRANTY.

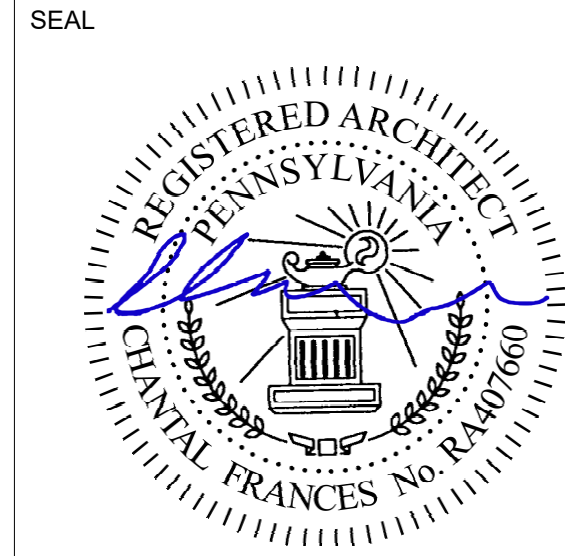
ELEVATION KEYNOTES	
Note No	Note Text
1	INFILL EXISTING RECESSED SURFACES WITH NEW BRICK MASONRY, TOOTH IN MASONRY TO EXISTING ADJ. MASONRY, ALIGN NEW AND EXIST. SURFACES
2	NEW PREFINISHED METAL PANEL SIDING AND SOFFIT. REPAIR AND REWORK EXISTING FRAMING AS NECESSARY FOR PROPER SUPPORT (TYP)
3	METAL SIDING PREP FOR MURAL PAINT, ON STEEL FRAMING, WITH HM DOORS AND FRAME
4	BRICK SOLDIER COURSE AT ALL NEW AND MODIFIED OPENINGS (TYP)
5	SECURITY SCREENS, TYP AT ALL WINDOWS.
6	PRECAST CONCRETE SILL AT ALL NEW WINDOW OPENINGS
7	REPAIR CRACKED MASONRY
8	10" HIGH PREFINISHED CAST ALUMINUM LETTERS MOUNTED TO STAINLESS STEEL PLATE AND METAL SOFFIT
9	NEW DOOR, FRAME AND HARDWARE IN MODIFIED OPENING
10	PREP AND PAINT EXISTING TRUSSES AND EXPOSED DECKING, TYP
11	INSTALL NEW STEEL CANOPY SUPPORT BEAM IN PLACE OF EXISTING WOOD BEAM, PAINT. PATCH CANOPY CEILING, PAINT.
12	REPLACE EXISTING LOUVER WITH NEW
13	PREFINISHED OVERHEAD ROLLING DOOR
14	EXISTING ROOF DRAIN LEADER TO REMAIN, PAINT TO MATCH BOT OF CANOPY STRUCTURE
15	EXISTING BIKE RACKS TO REMAIN
16	OVERFLOW SCUPPER
17	METAL COPING TO MATCH EXISTING COPING PROFILE

PERMIT SET 10/23/20

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
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1515 Arch Street, 11th Floor  
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**PROJECT TEAM**  
**ARCHITECT:**  
JMT | ARCHITECTURE  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
1600 MARKET STREET, SUITE 520  
PHILADELPHIA, PA 19103  
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**STRUCTURAL ENGINEER:**  
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**CITY OF PHILADELPHIA**  
**DEPARTMENT OF PUBLIC PROPERTY**  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

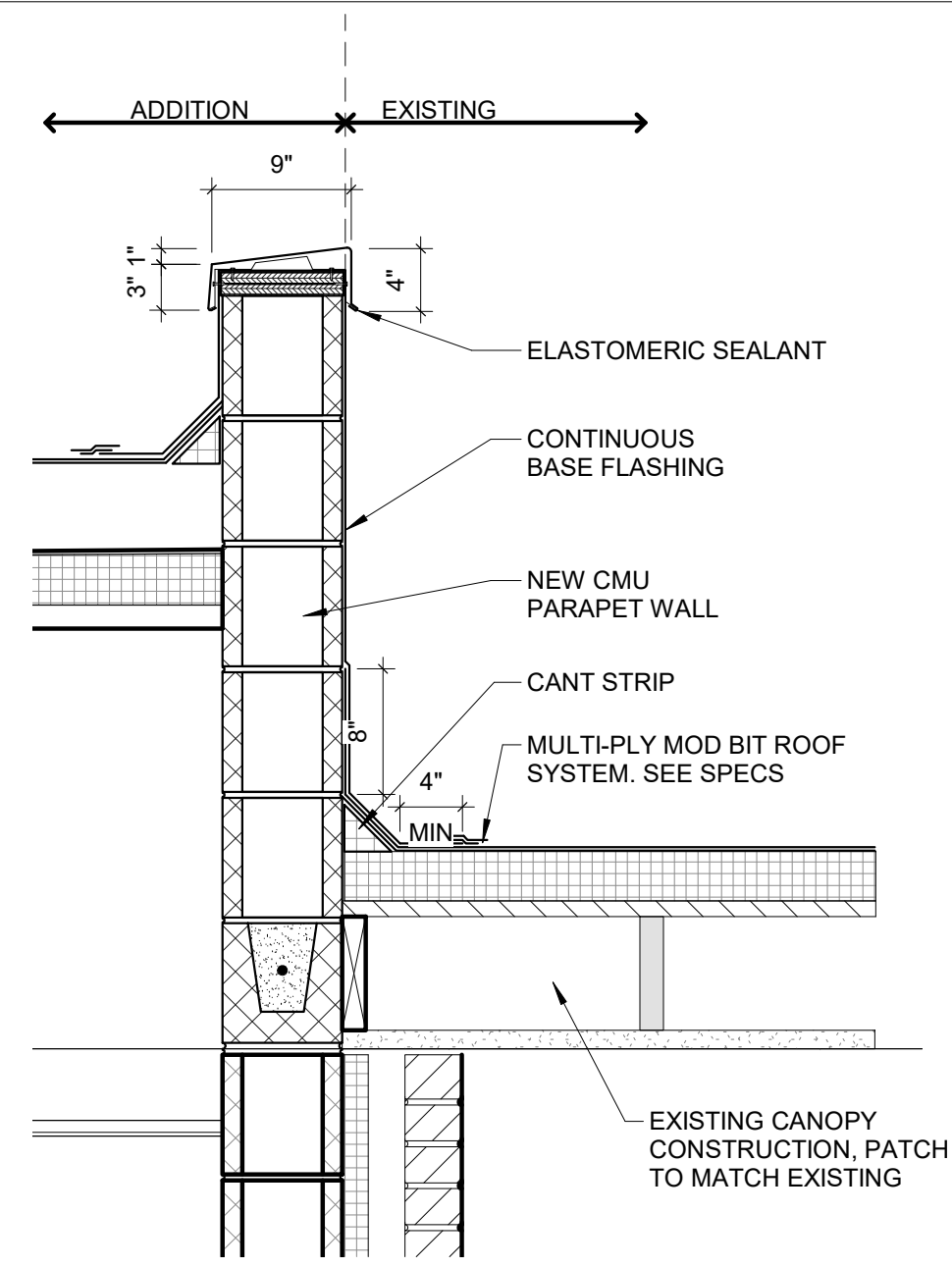
**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
EXTERIOR ELEVATIONS

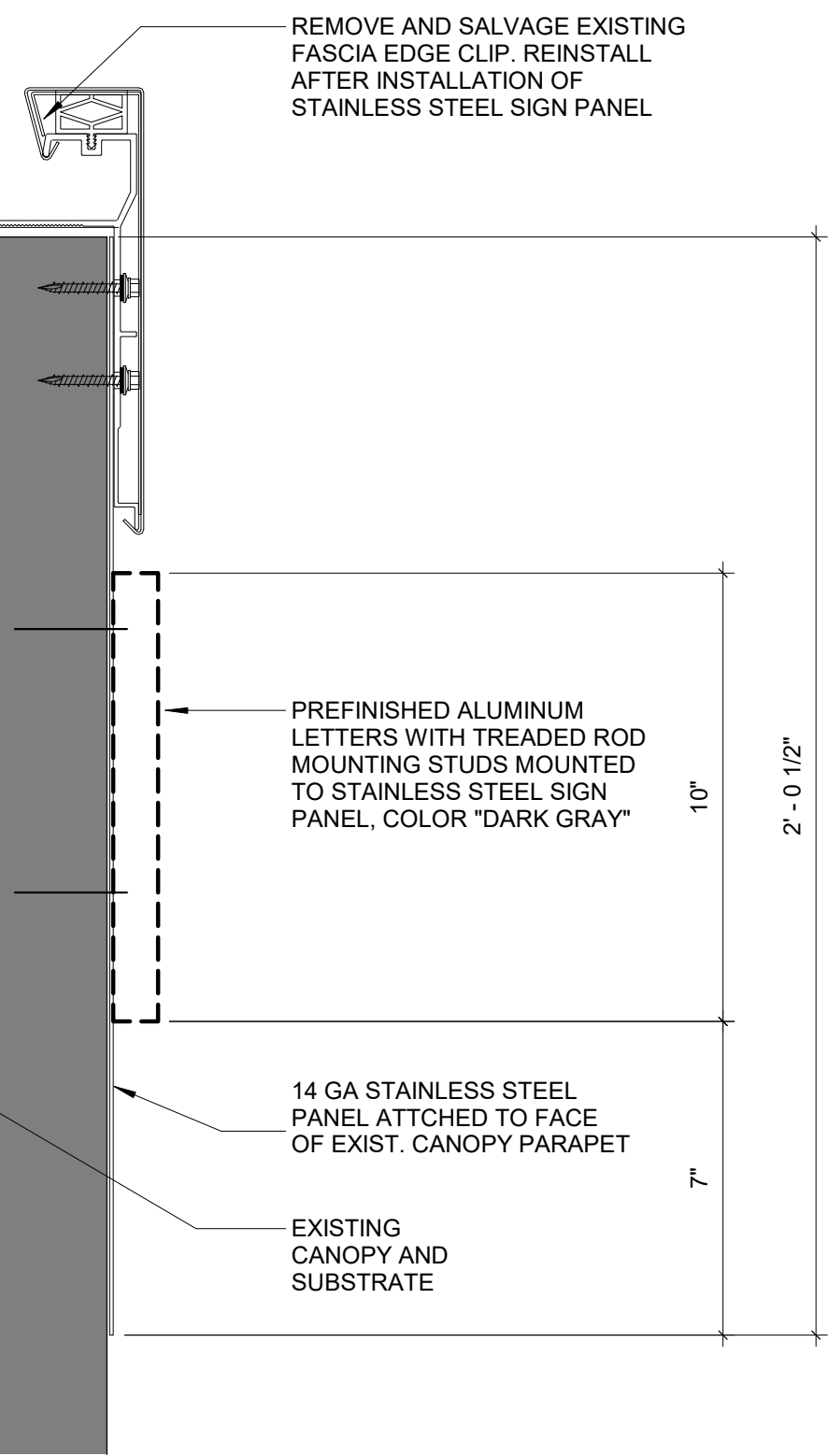
<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b> <b>A2.0</b>
<b>DATE:</b> SCALE: AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> --	<b>FILE:</b>

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

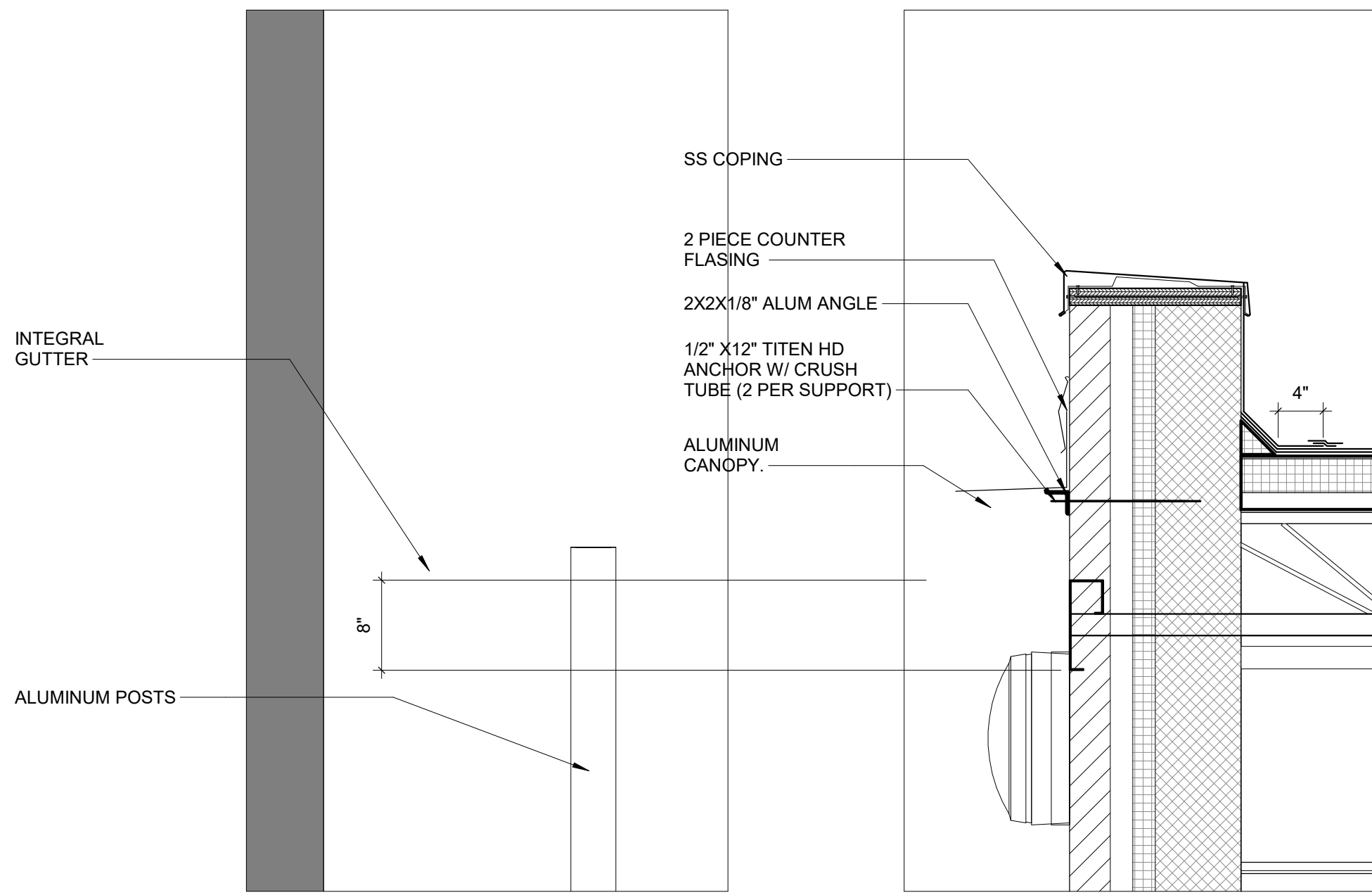




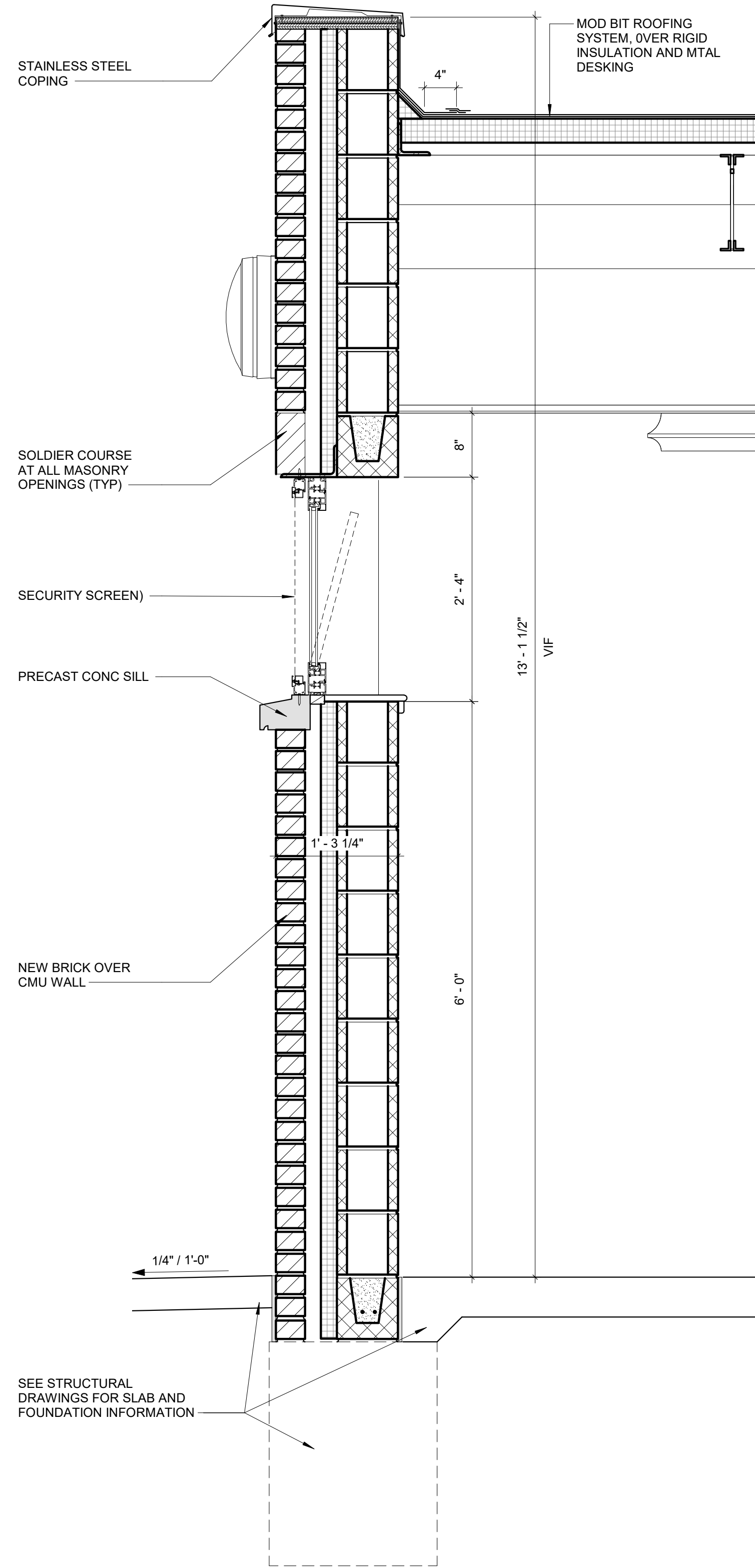
**1 EX-CANOPY @ NEW WALL**  
1" = 1'-0"



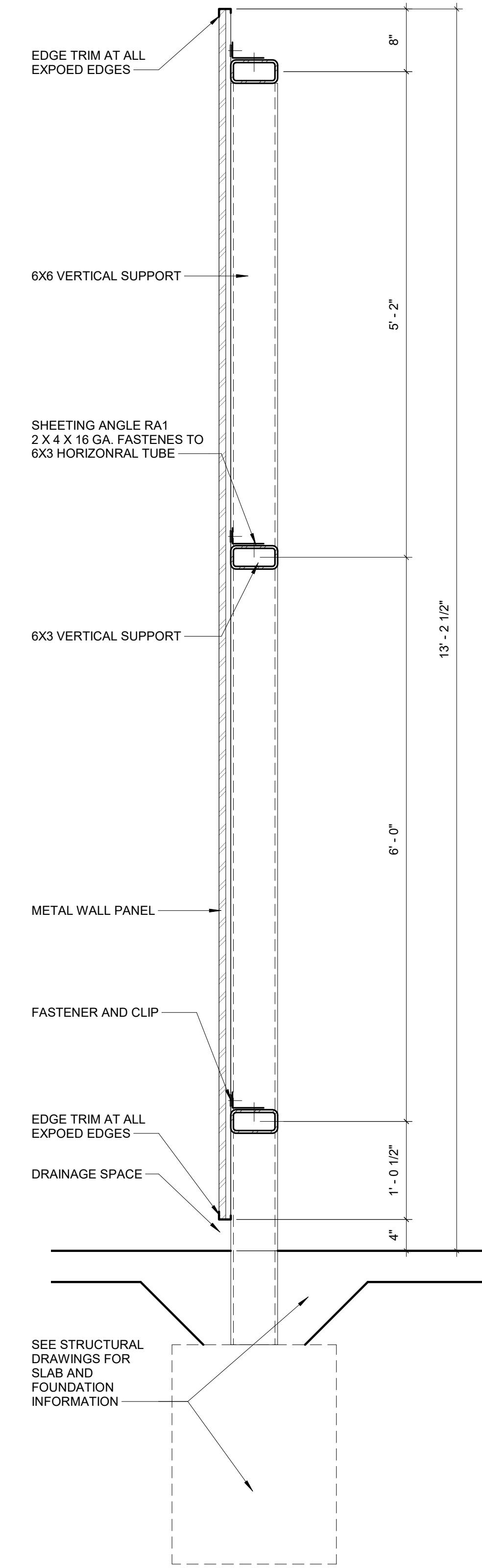
**2 CANOPY SIGN AT FASCIA DETAIL**  
3" = 1'-0"



**3 SECTION AT ALUMINUM CANOPY**  
1" = 1'-0"



**4 OFFICE CANOPY SECTION DETAIL**  
1" = 1'-0"

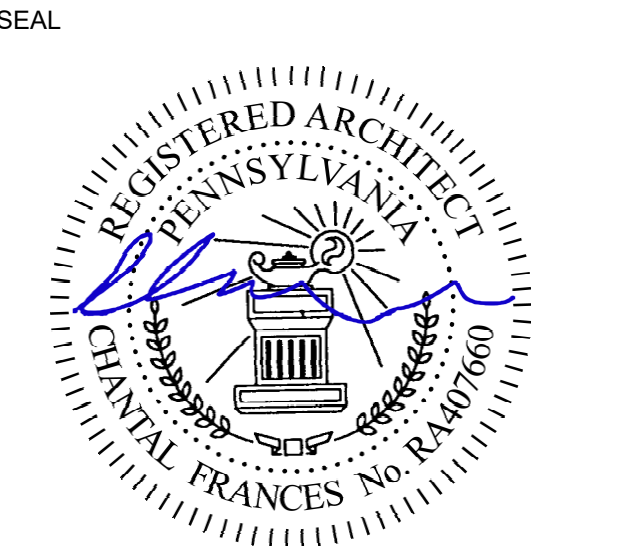


**5 WALL SECTION AT METAL GATE**  
1" = 1'-0"

REVISIONS		
ISSUE	DATE	DESCRIPTION



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**PROJECT TEAM**  
**ARCHITECT:**  
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JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
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**CITY OF PHILADELPHIA**  
**DEPARTMENT OF PUBLIC PROPERTY**  
1515 ARCH STREET  
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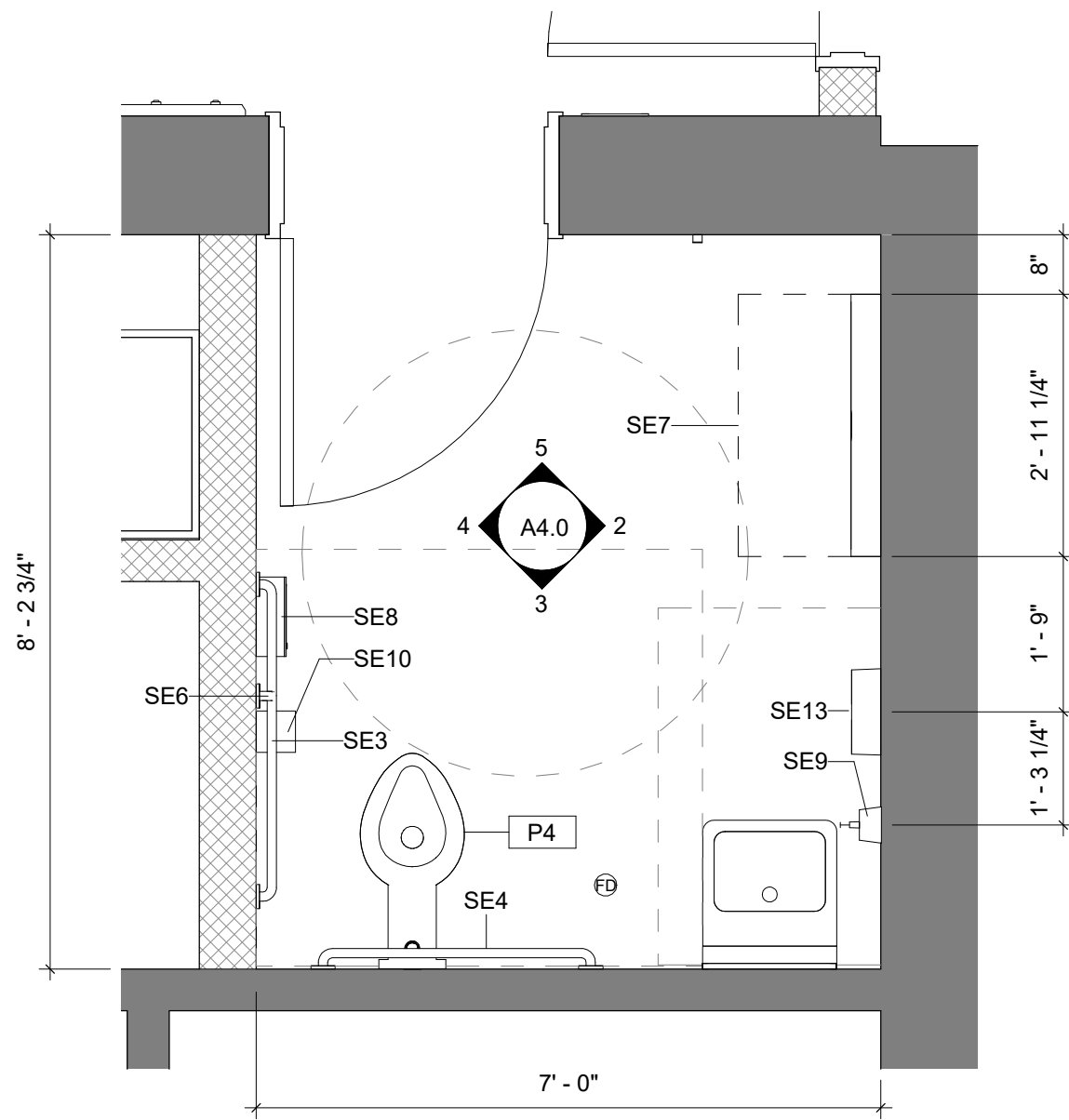
**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
WALL SECTIONS & DETAILS

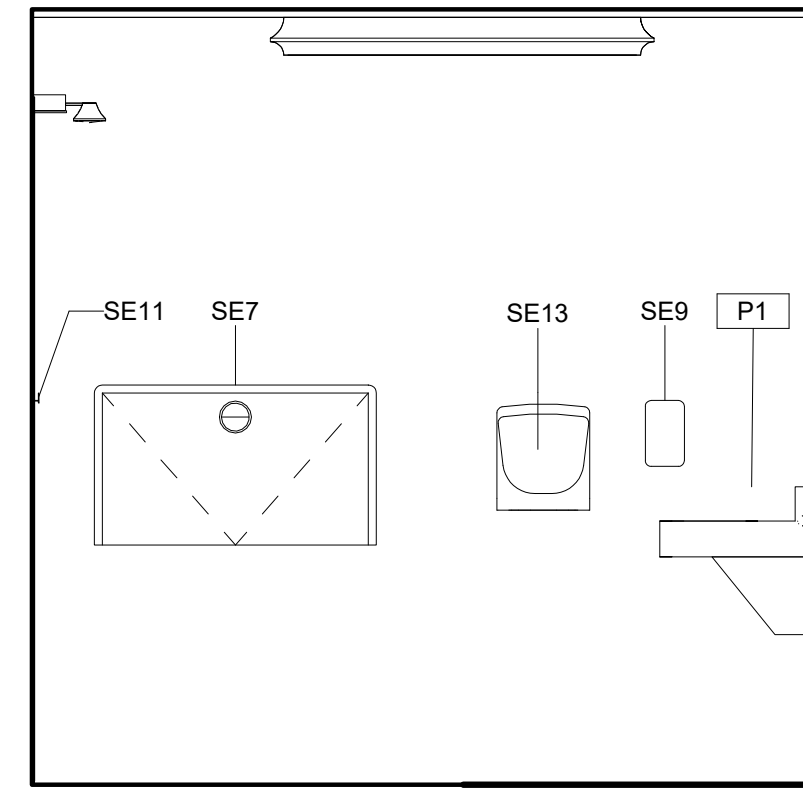
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<b>DATE:</b> AS NOTED	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> --	<b>FILE:</b>

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

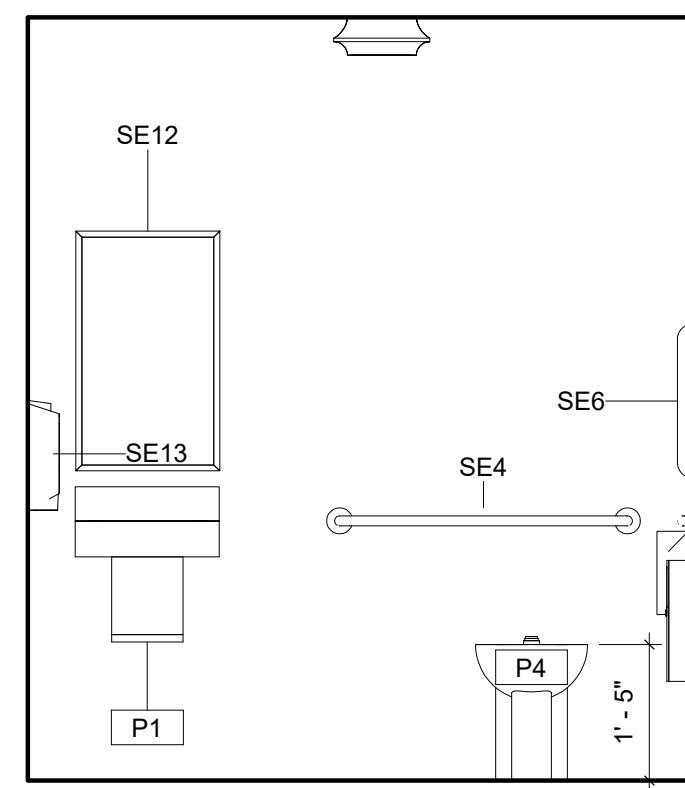
PERMIT SET 10/23/20



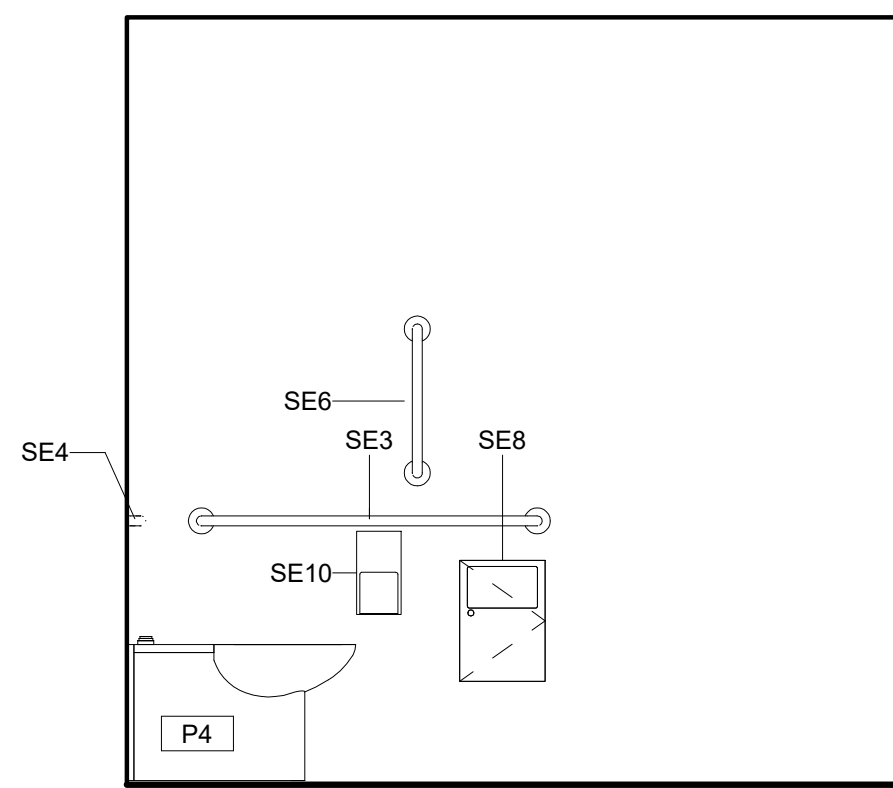
**1 ENLARGED ADA UNISEX TOILET PLAN**  
1/2" = 1'-0"



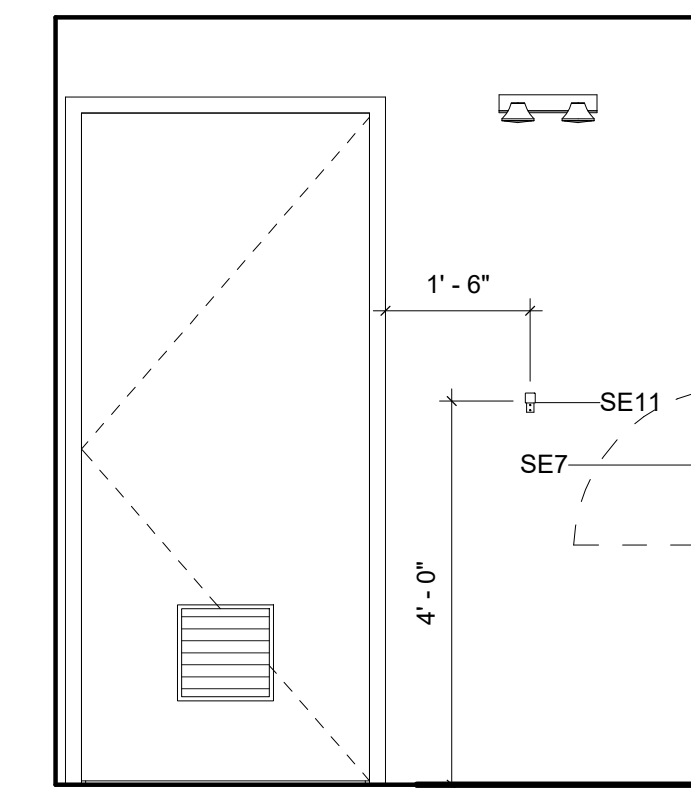
**2 ADA UNISEX TOILET ELEVATION**  
1/2" = 1'-0"



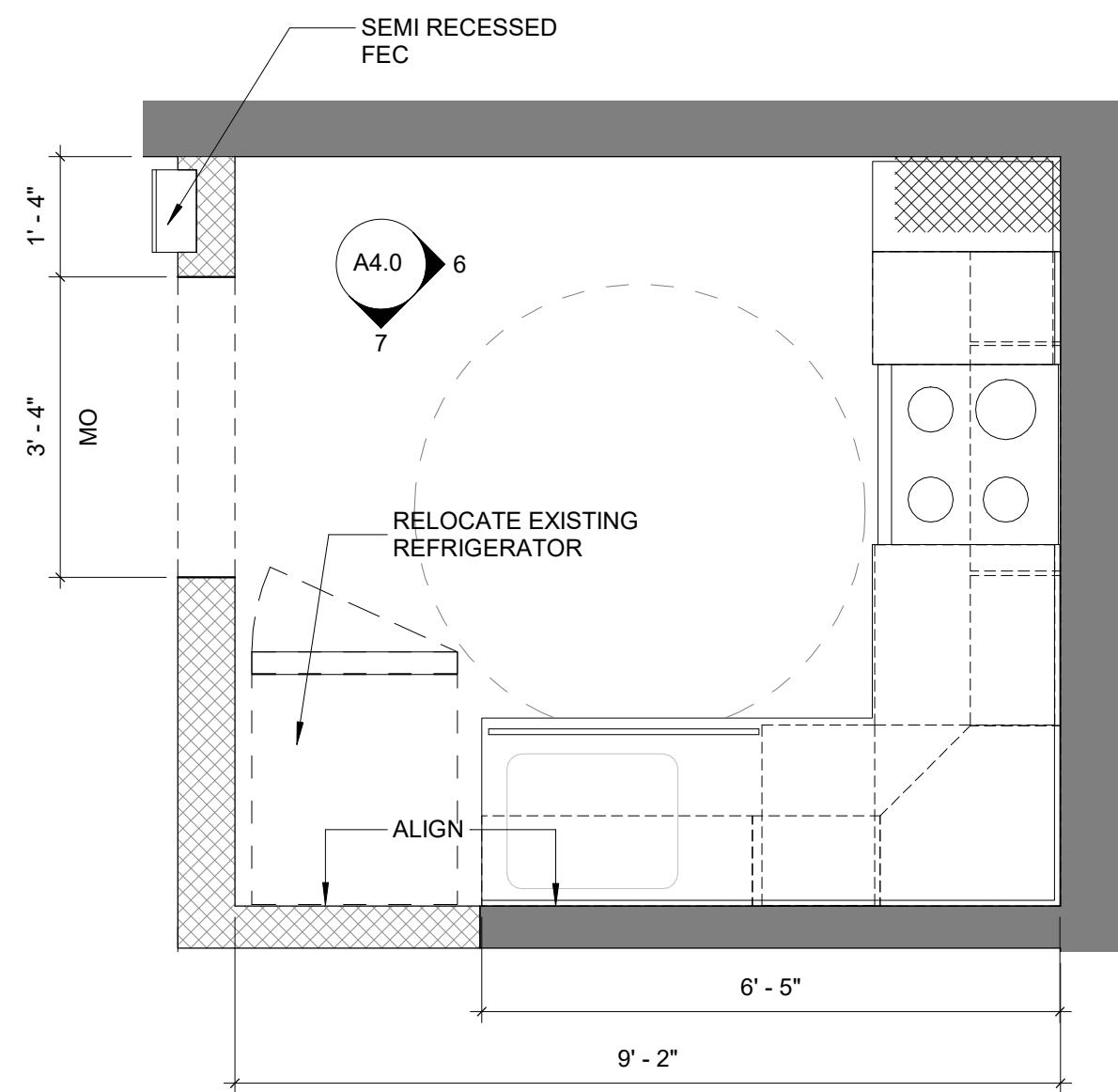
**3 ADA UNISEX TOILET ELEVATION B**  
1/2" = 1'-0"



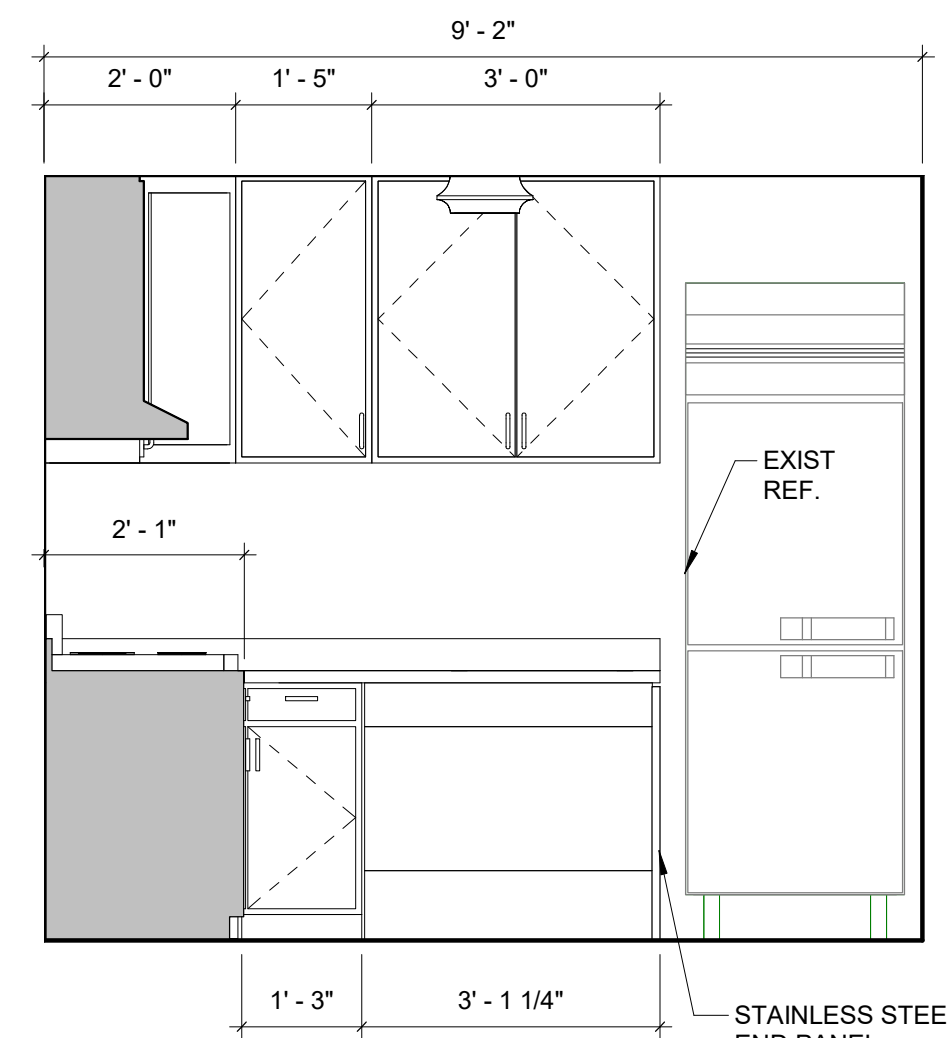
**4 ADA UNISEX TOILET ELEVATION C**  
1/2" = 1'-0"



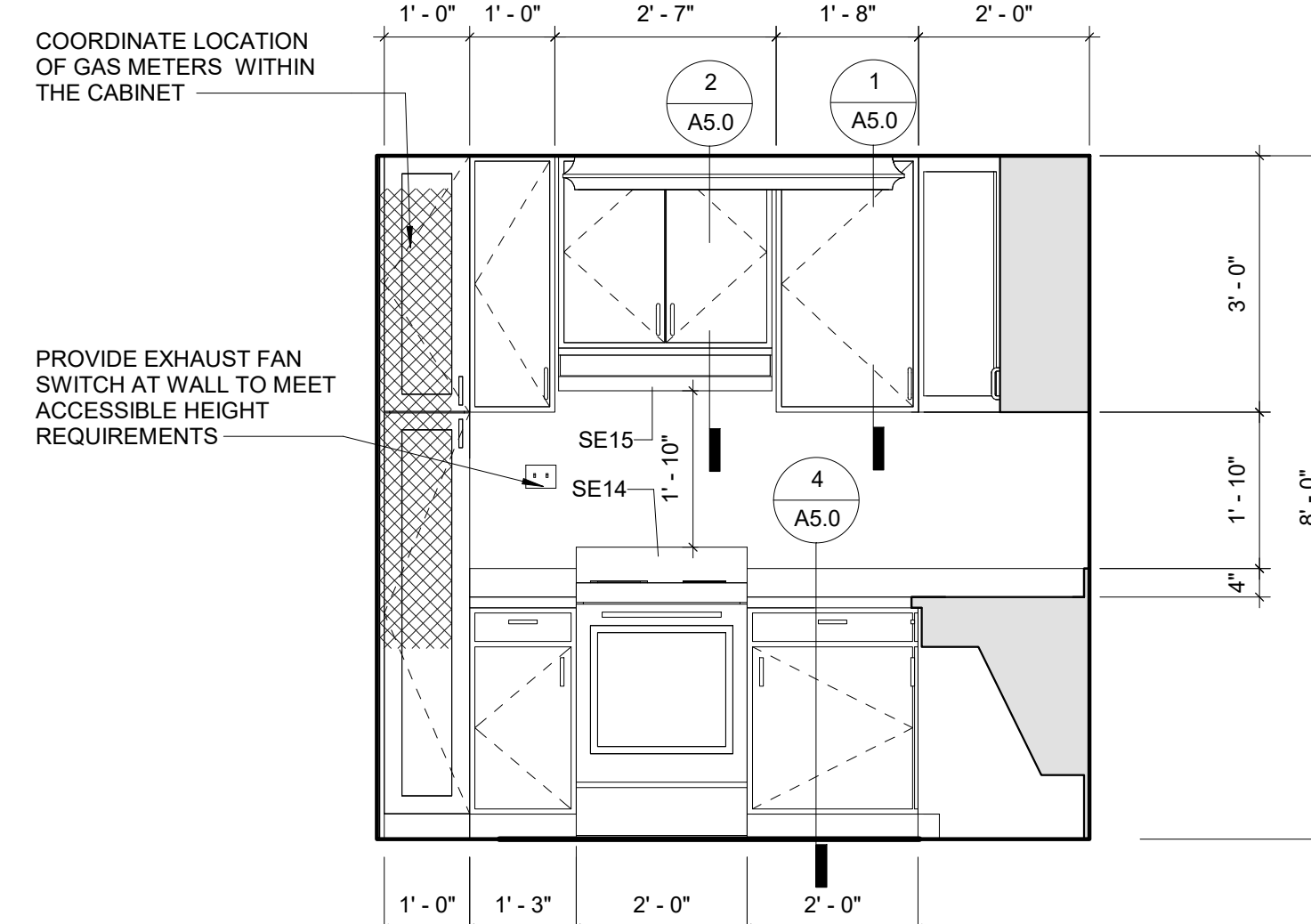
**5 ADA UNISEX TOILET ELEVATION D**  
1/2" = 1'-0"



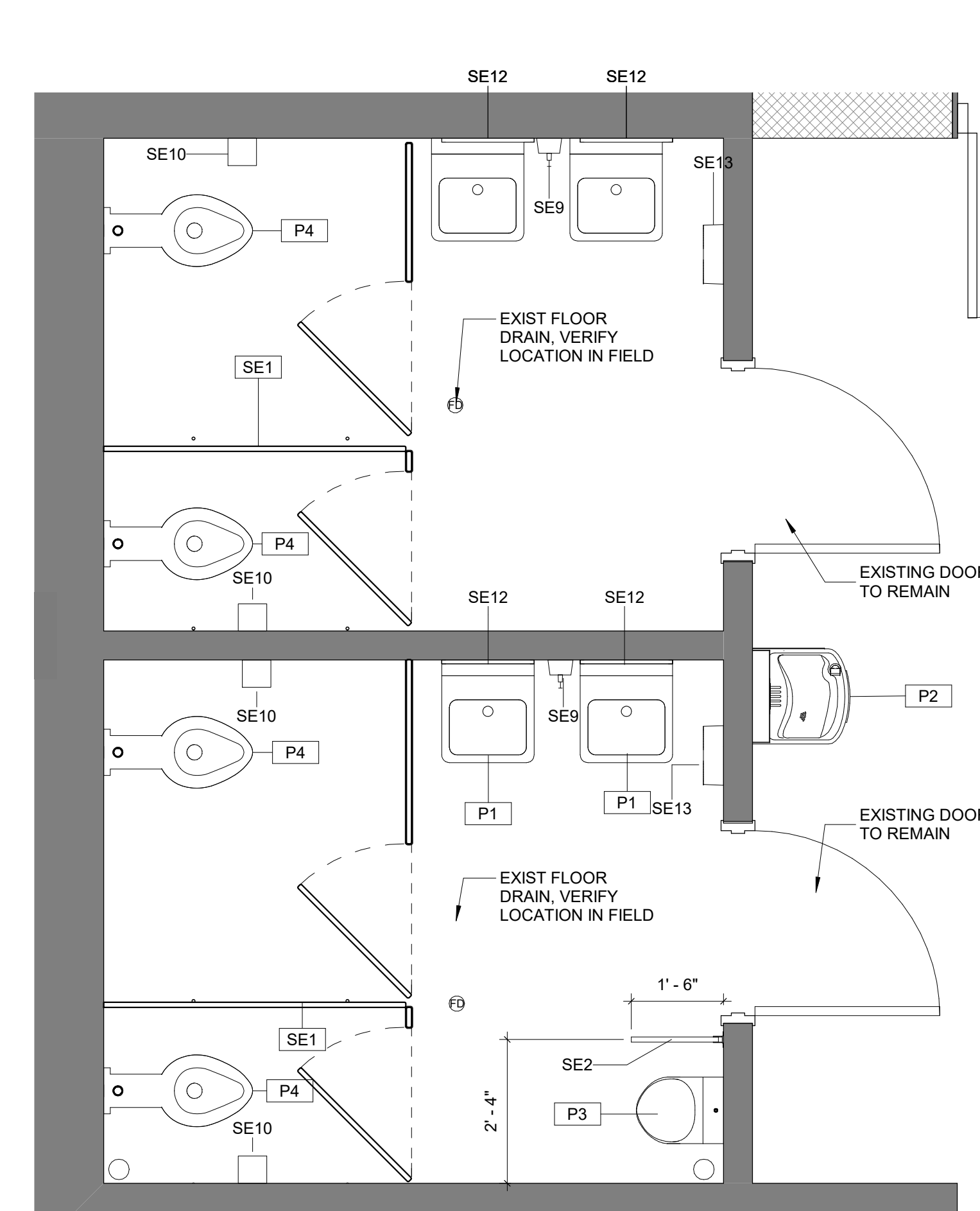
**8 ENLARGED KITCHEN PLAN**  
1/2" = 1'-0"



**7 KITCHEN ELEVATION**  
1/2" = 1'-0"



**6 KITCHEN ELEVATION**  
1/2" = 1'-0"



**9 ENLARGED EXT'G TOILET PLAN**  
1/2" = 1'-0"

PLUMBING FIXTURE SCHEDULE	
Type Mark	Description
P1	LAVATORY
P2	DRINKING FOUNTAIN
P3	URINAL
P4	WATER CLOSET

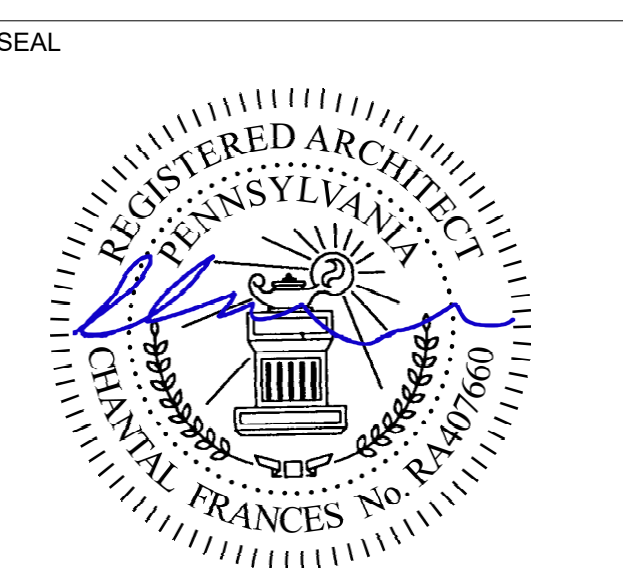
SPECIALTY EQUIPMENT SCHEDULE				
Type Mark	Description	Manufacturer	Model	Comments
FEC	HangSafe Hooks Rack System	HangSafe Hooks	Rack	
	SEMI RECESSED FIRE EXTINGUISHER CABINET	SEE SPECS		
SE1	TOILETROOM PARTITION	BRADLEY CORPORATION	FLOOR MOUNTED	STAINLESS STEEL
SE2	URINAL SCREEN	BRADLEY CORPORATION	URINAL SCREEN	STAINLESS STEEL
SE3	42" GRAB BAR	BRADLEY CORPORATION	MODEL 812	
SE4	36" GRAB BAR	BRADLEY CORPORATION	MODEL 812	STAINLESS STEEL
SE6	18" GRAB BAR	BRADLEY CORPORATION	MODEL 812	
SE7	SURFACE MOUNTED BABY CHANGING STATION	BRADLEY CORPORATION	962	
SE8	SANITARY NAPKIN DISPOSAL	BRADLEY CORPORATION	B-254	
SE9	SOAP DISPENSER	BRADLEY CORPORATION	6562	
SE10	TOILET TISSUE DISPENSER	BRADLEY CORPORATION	5402	
SE11	CLOTHES HOOK	BRADLEY CORPORATION	917	
SE12	MIRROR	BRADLEY CORPORATION	781	
SE13	18" GRAB BAR	BRADLEY CORPORATION	MODEL 812	
SE14	ELECTRIC RANGE	AVANTI	ER24P3SG	
SE15	30" CONVERTIBLE RANGE HOOD	KENMORE	51041	

**NOTE:**  
REFER TO SHEET G0.1 FOR ALL FIXTURES AND ACCESSORIES, ACCESSIBLE MOUNTING HEIGHTS

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Tara Rasheed, 215-683-0252



**PROJECT TEAM**  
**ARCHITECT:**  
JMT | ARCHITECTURE  
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1600 MARKET STREET, SUITE 520  
PHILADELPHIA, PA 19103  
267.256.0300 | WWW.JMT.COM  
**STRUCTURAL ENGINEER:**  
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**CITY OF PHILADELPHIA**  
**DEPARTMENT OF PUBLIC PROPERTY**  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

**PROJECT TITLE**  
NELSON PLAYGROUND

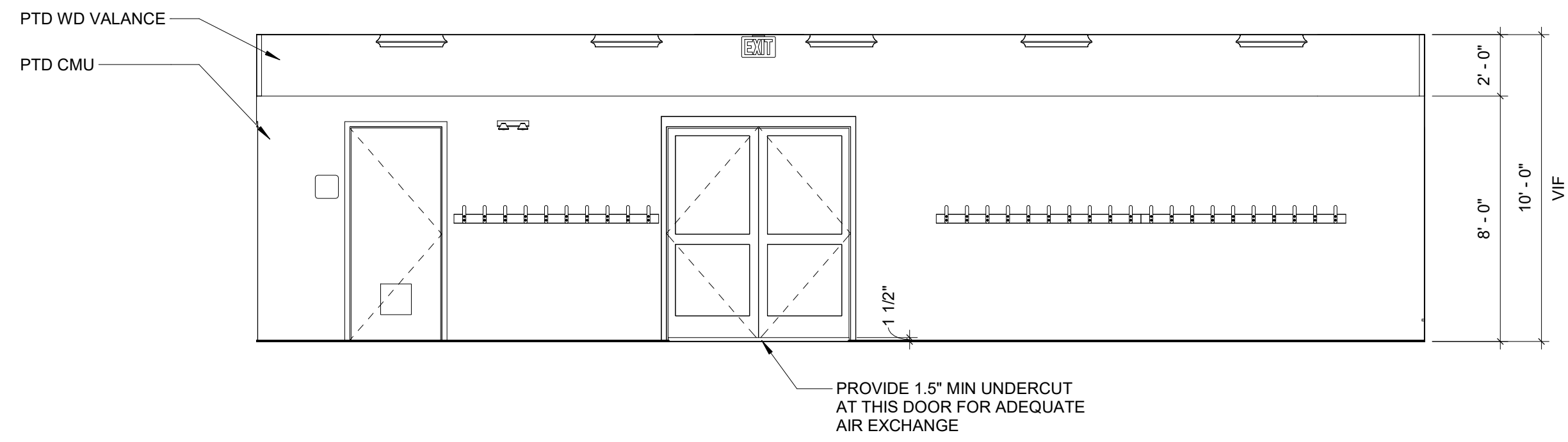
**DRAWING TITLE**  
ENLARGED PLANS AND ELEVATIONS

<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b> <b>A4.0</b>
<b>DATE:</b>	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> GS	<b>FILE:</b>

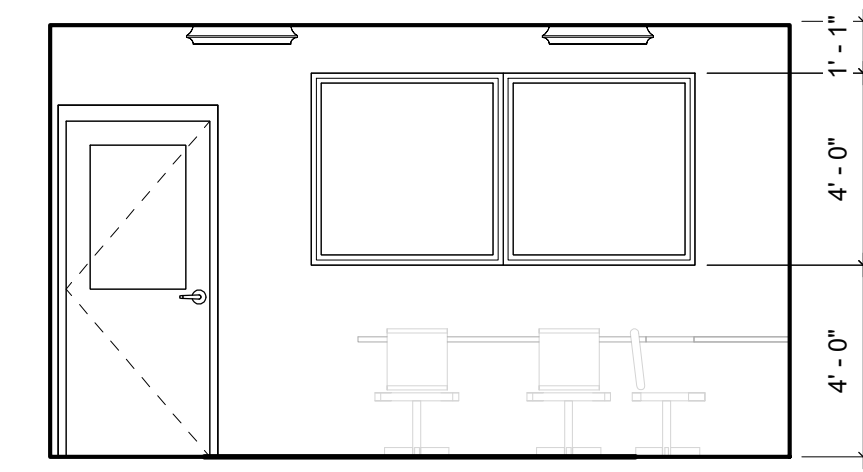
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PERMIT SET 10/23/20

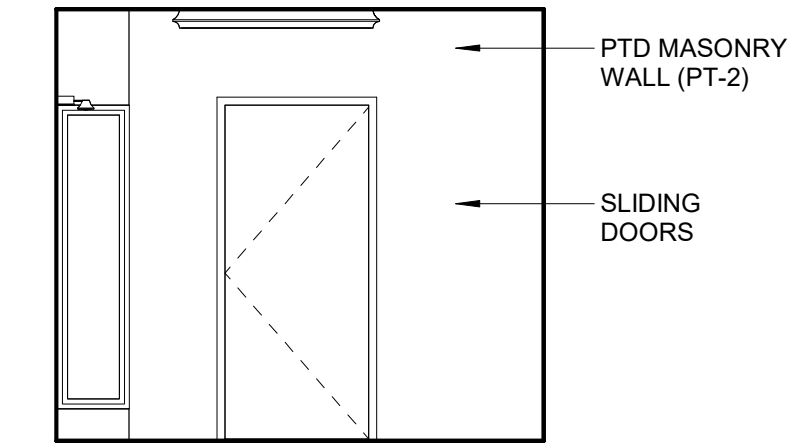




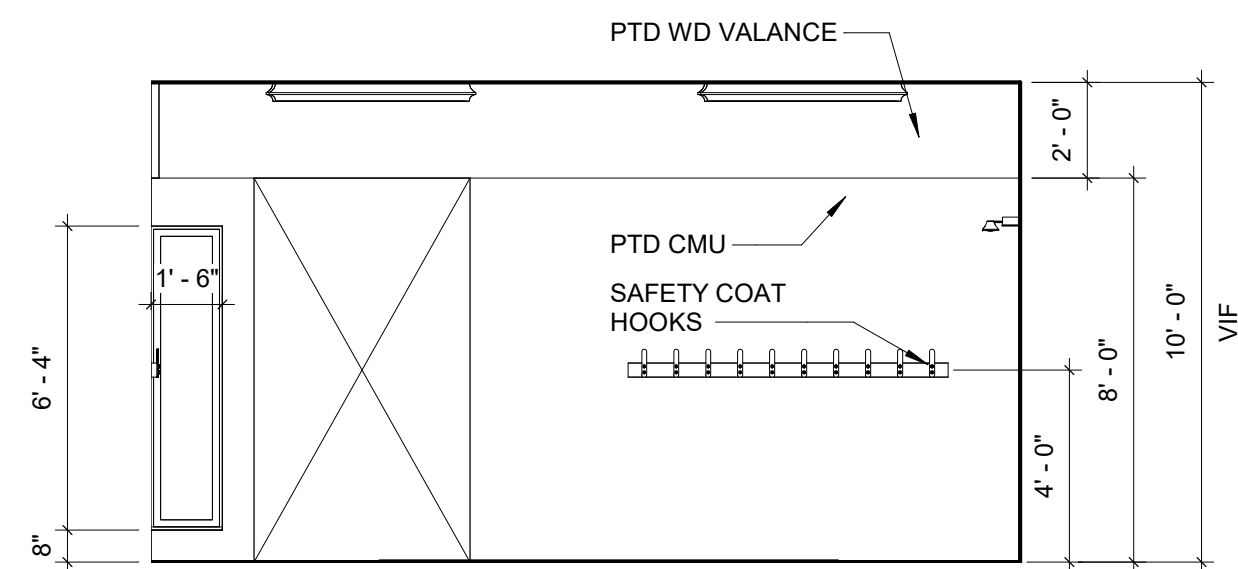
**1** CONFERENCE ROOM - SOUTH WALL  
1/4" = 1'-0"



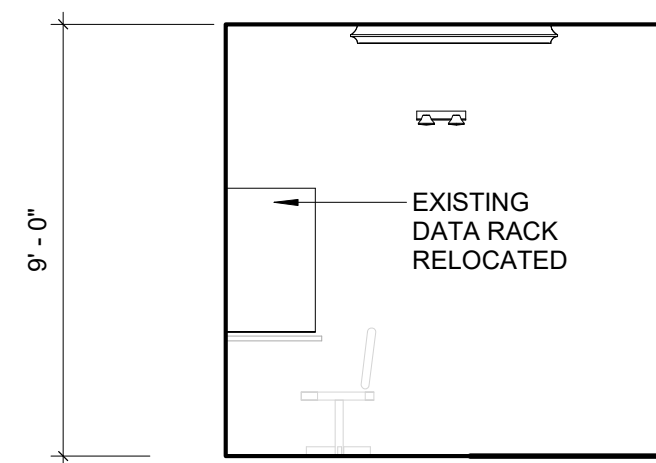
**5** COMPUTER LAB EAST WALL  
1/4" = 1'-0"



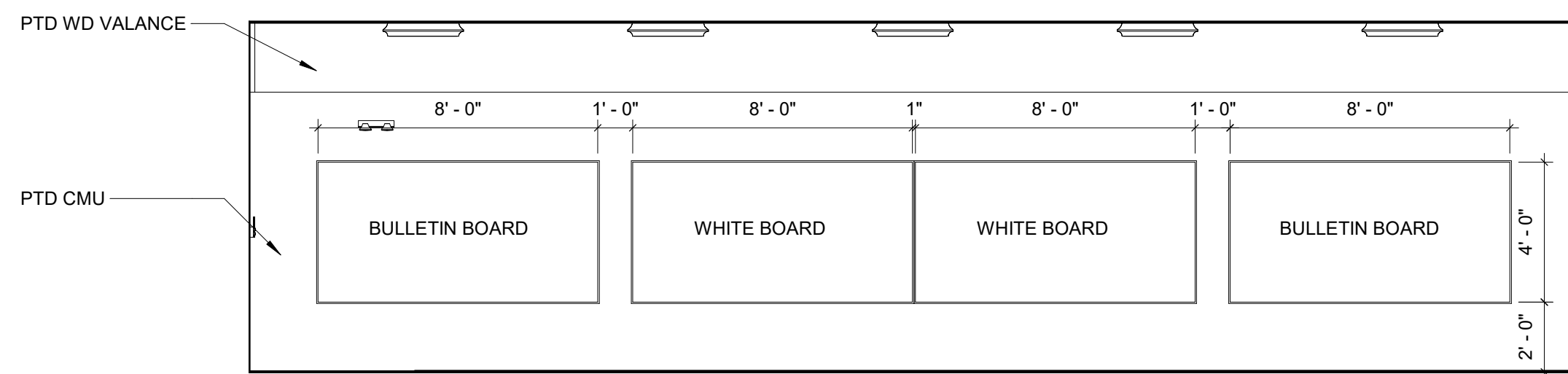
**9** OFFICE EAST WALL  
1/4" = 1'-0"



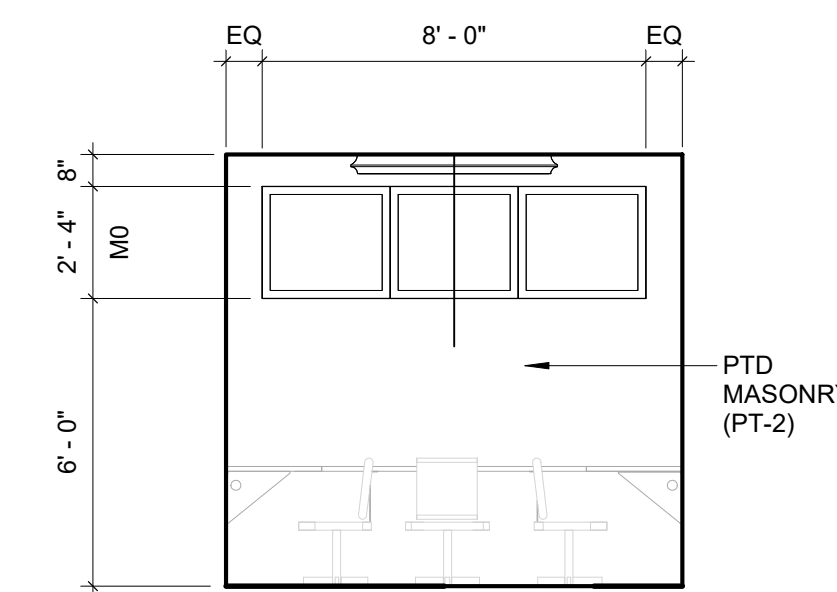
**2** CONFERENCE ROOM - WEST WALL  
1/4" = 1'-0"



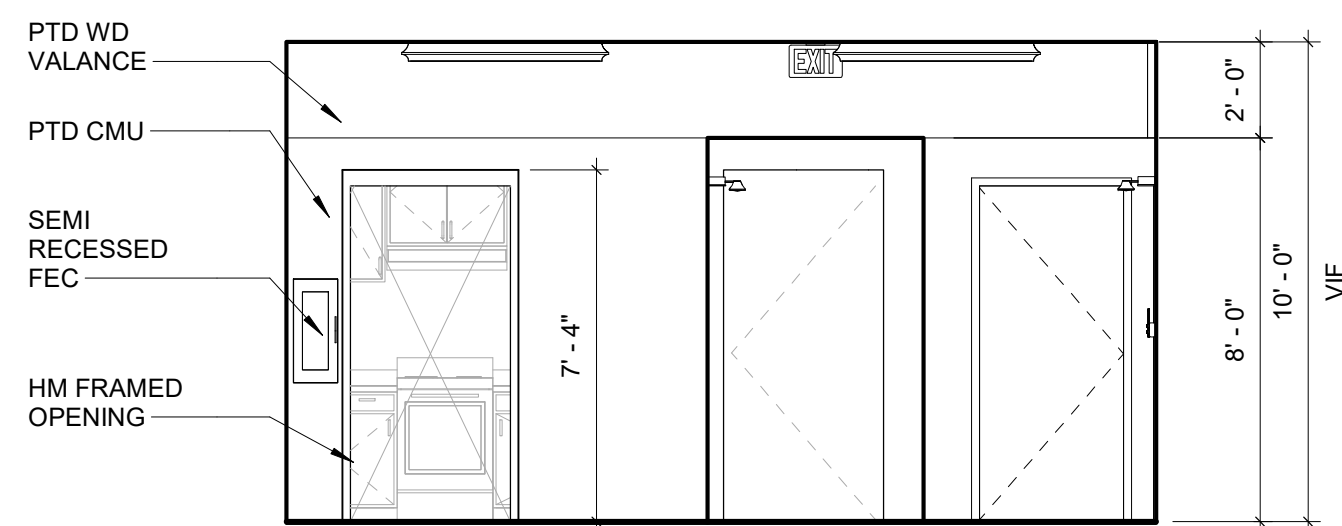
**6** COMPUTER LAB NORTH WALL  
1/4" = 1'-0"



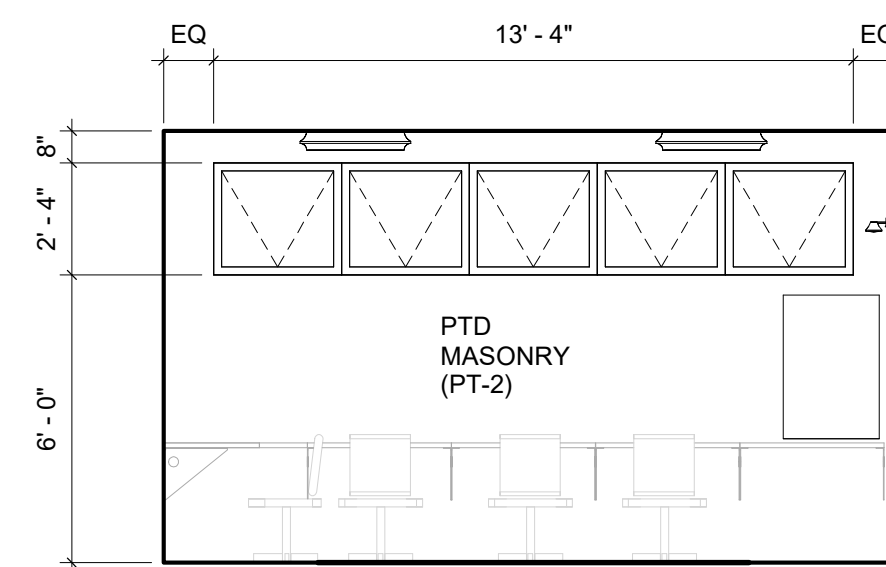
**3** CONFERENCE ROOM - NORTH WALL  
1/4" = 1'-0"



**7** Comp-Lab-South elevation  
1/4" = 1'-0"



**4** CONFERENCE ROOM - EAST WALL  
1/4" = 1'-0"



**8** Comp-Lab-West elevation  
1/4" = 1'-0"

**NOTE:**

- REFER TO SHEET G0.1 FOR ALL FIXTURES AND ACCESSORIES, ACCESSIBLE MOUNTING HEIGHTS
- ALL FURNITURE IS SHOWN FOR REFERENCE ONLY. FF&E TO BE PROVIDED BY OWNER

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Tara Rasheed, 215-683-0252

**SEAL**

**PROJECT TEAM**

**ARCHITECT:**  
JMT | ARCHITECTURE  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
1600 MARKET STREET, SUITE 520  
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PHILADELPHIA, PENNSYLVANIA

**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
INTERIOR ELEVATIONS, MISC DETAILS

<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b>  <b>A4.1</b>
<b>DATE:</b>	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> --	<b>FILE:</b>

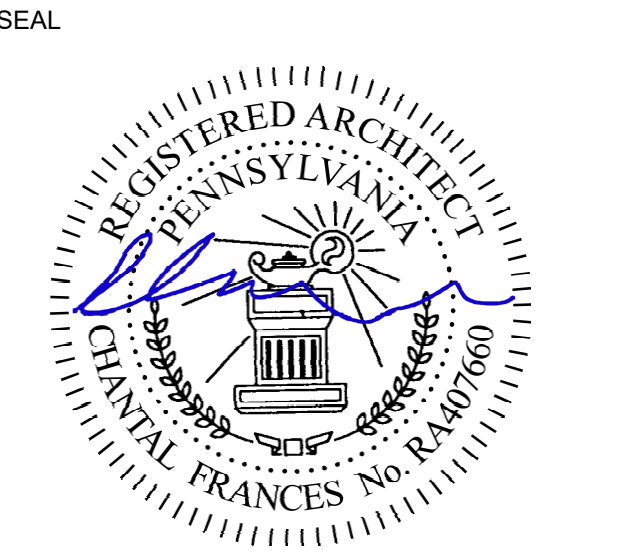
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PERMIT SUBMITTAL 10/23/20

REVISIONS		
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**SYSTEMS ENGINEER:**  
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**CITY OF PHILADELPHIA**  
DEPARTMENT OF PUBLIC PROPERTY  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

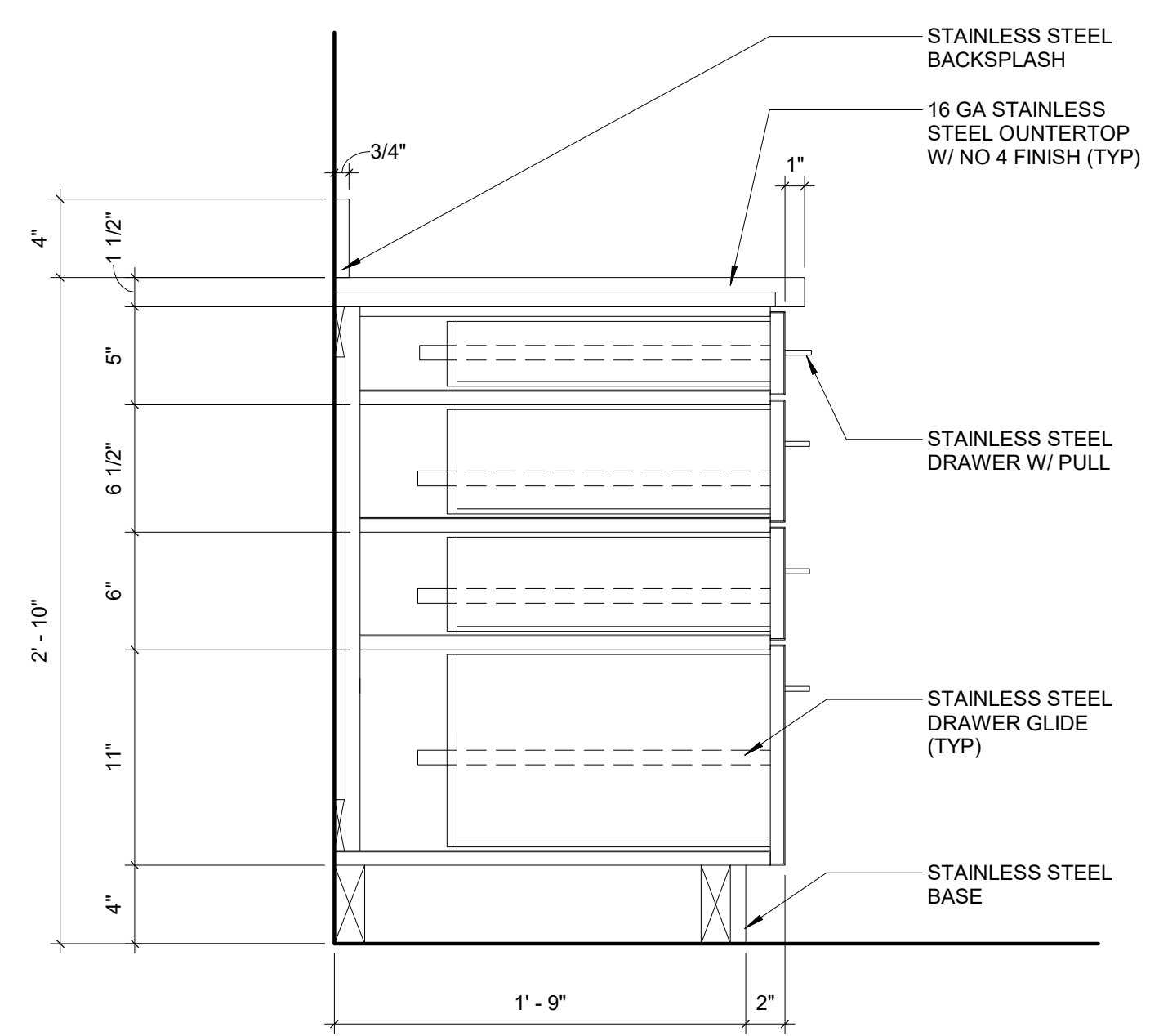
**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
CASEWORK DETAIL

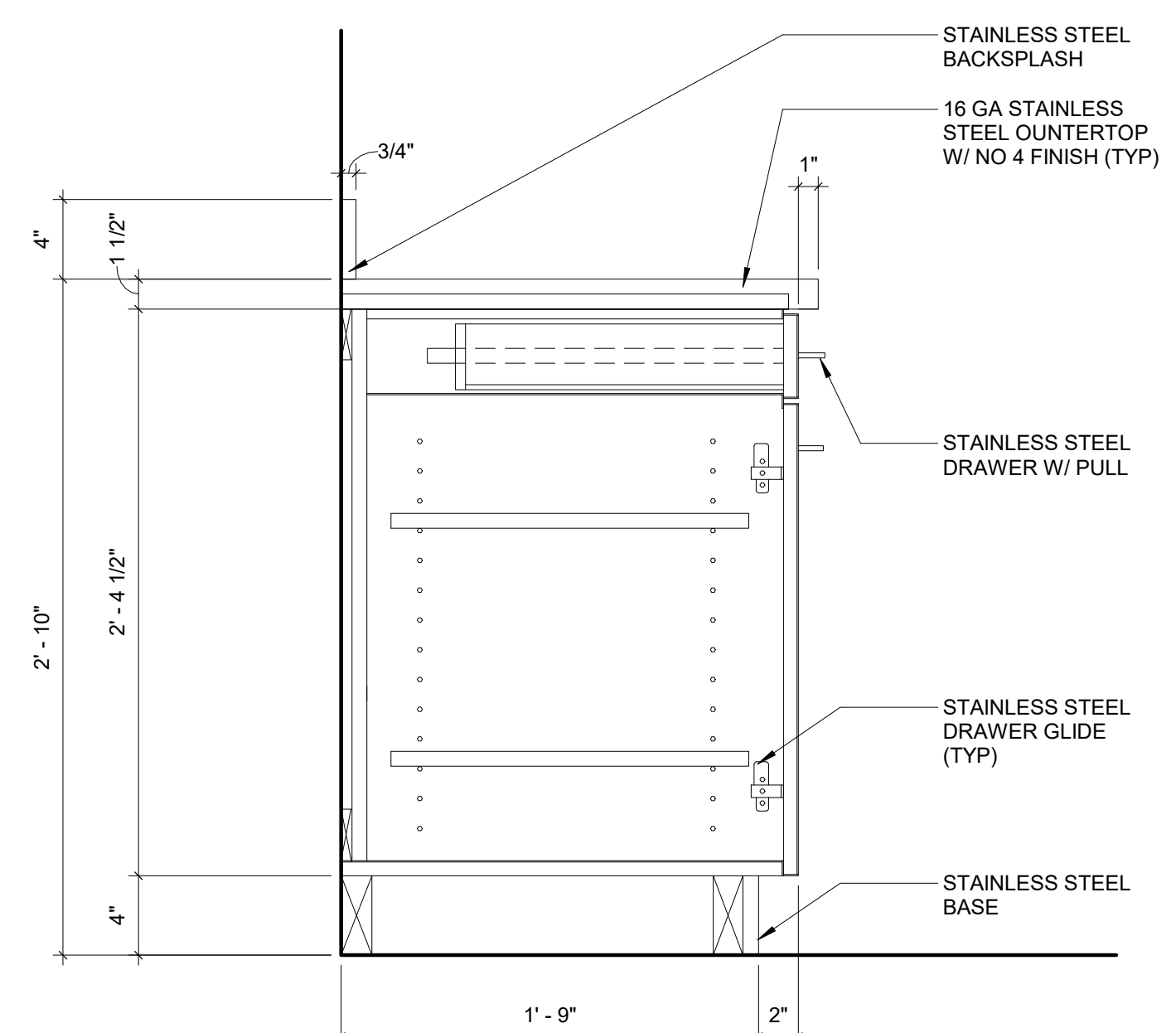
<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b> <b>A5.0</b>
<b>DATE:</b> SCALE: AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> GS	<b>FILE:</b>

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

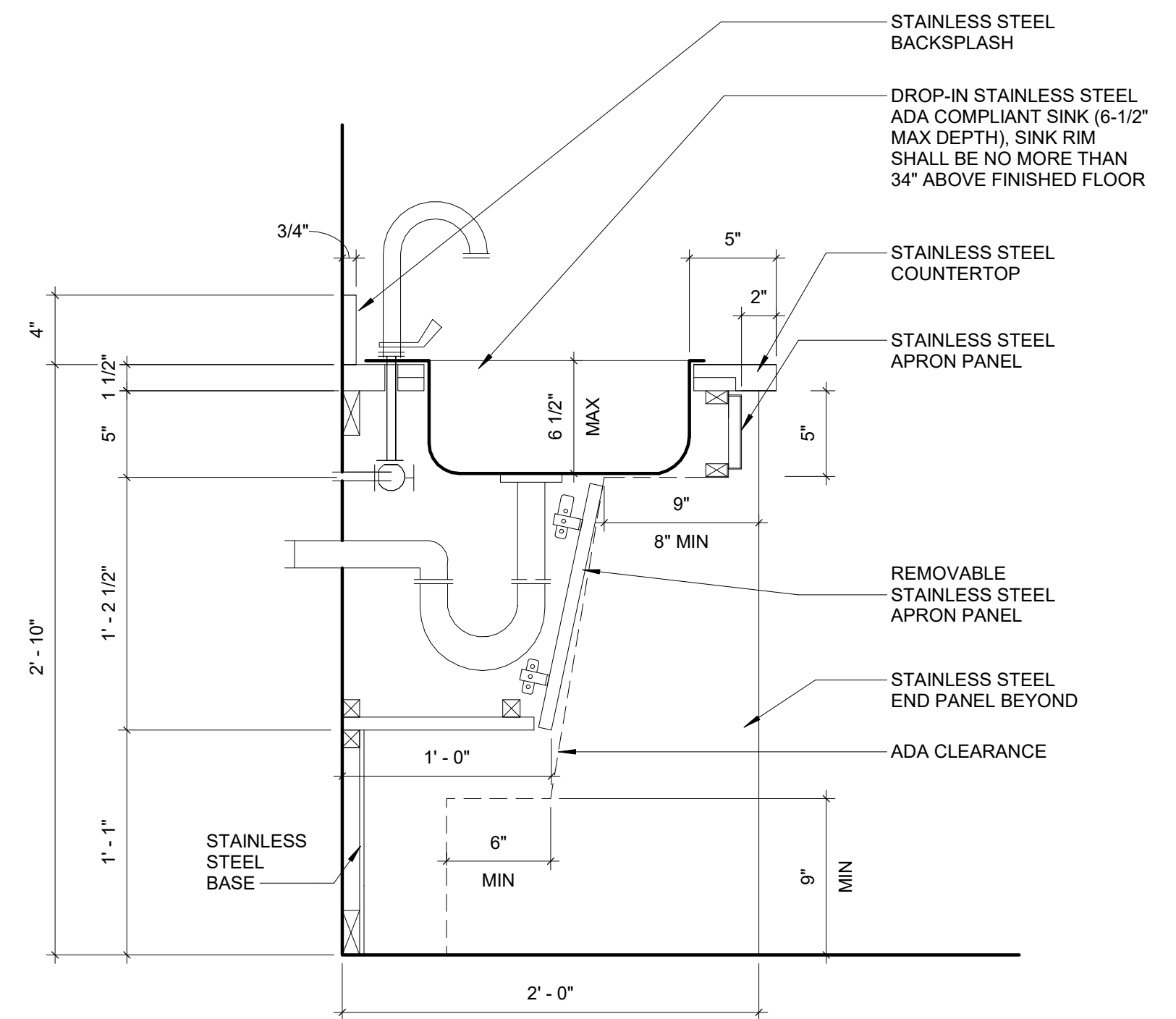
PERMIT SET 10/23/20



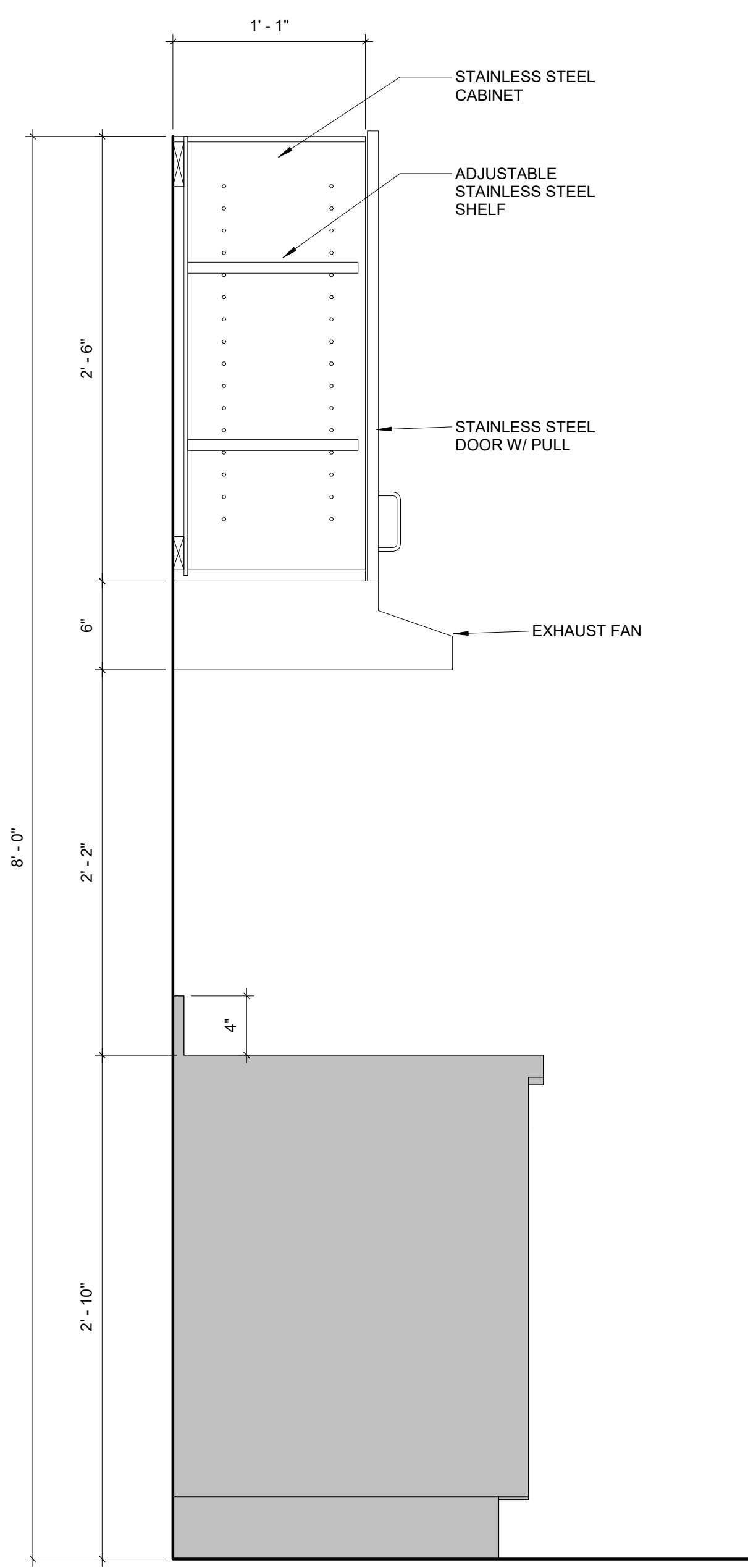
**5 KITCHEN BASE CABINET W/ DRAWERS**  
1 1/2" = 1'-0"



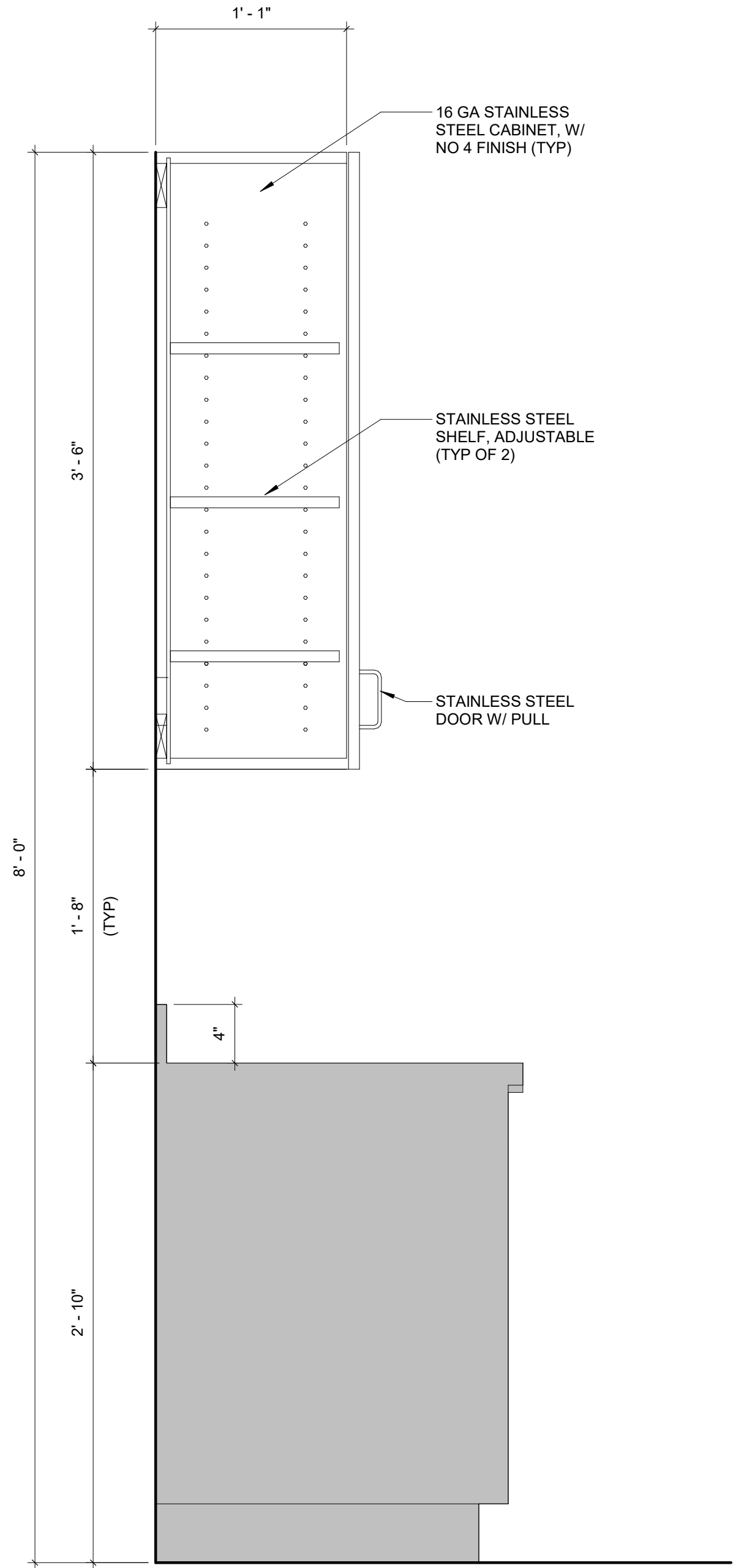
**4 KITCHEN BASE CABINET**  
1 1/2" = 1'-0"



**3 KITCHEN CABINET DETAIL @ SINK**  
1 1/2" = 1'-0"

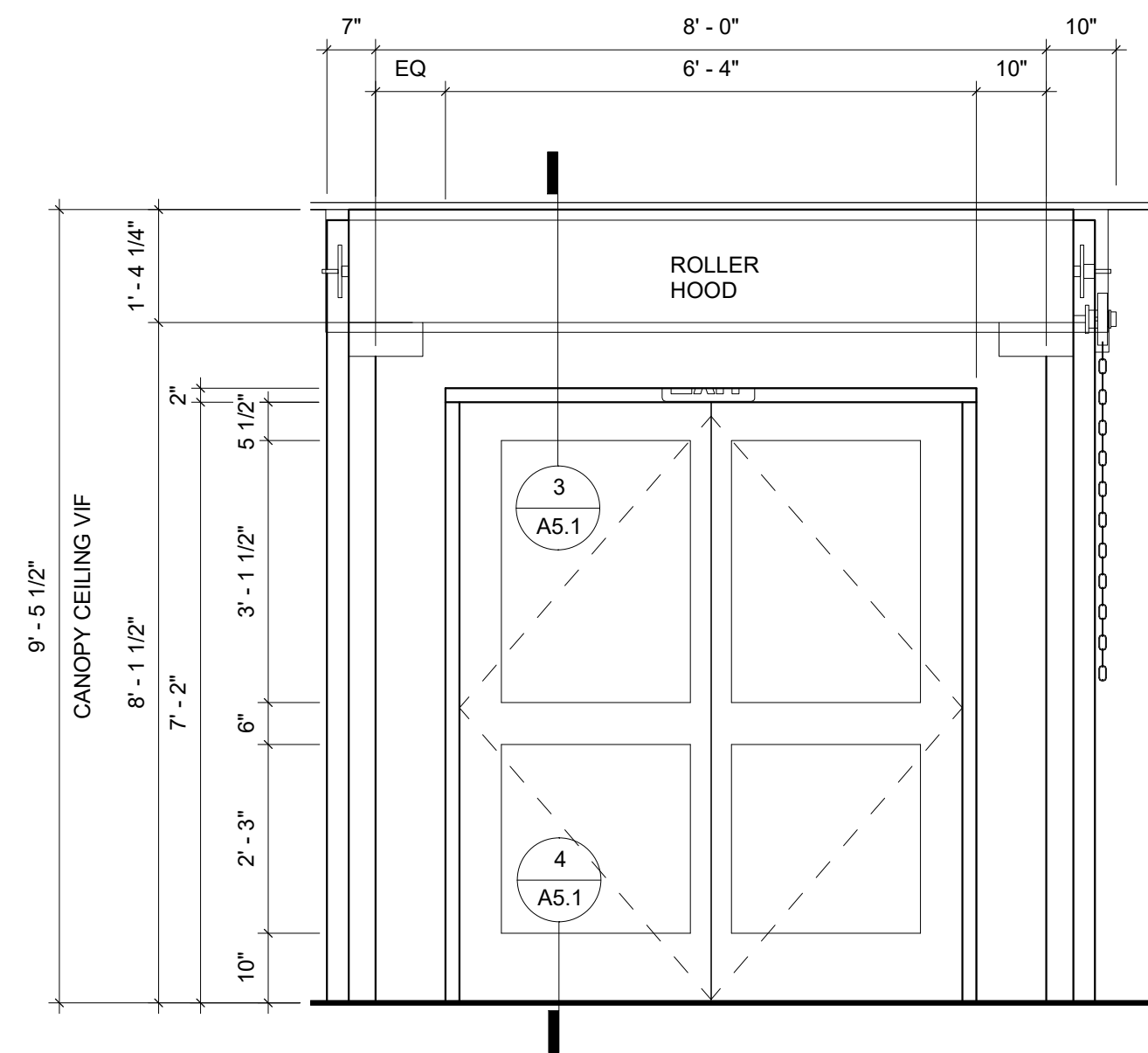


**2 KITCHEN UPPER CABINET @ RANGE**  
1 1/2" = 1'-0"

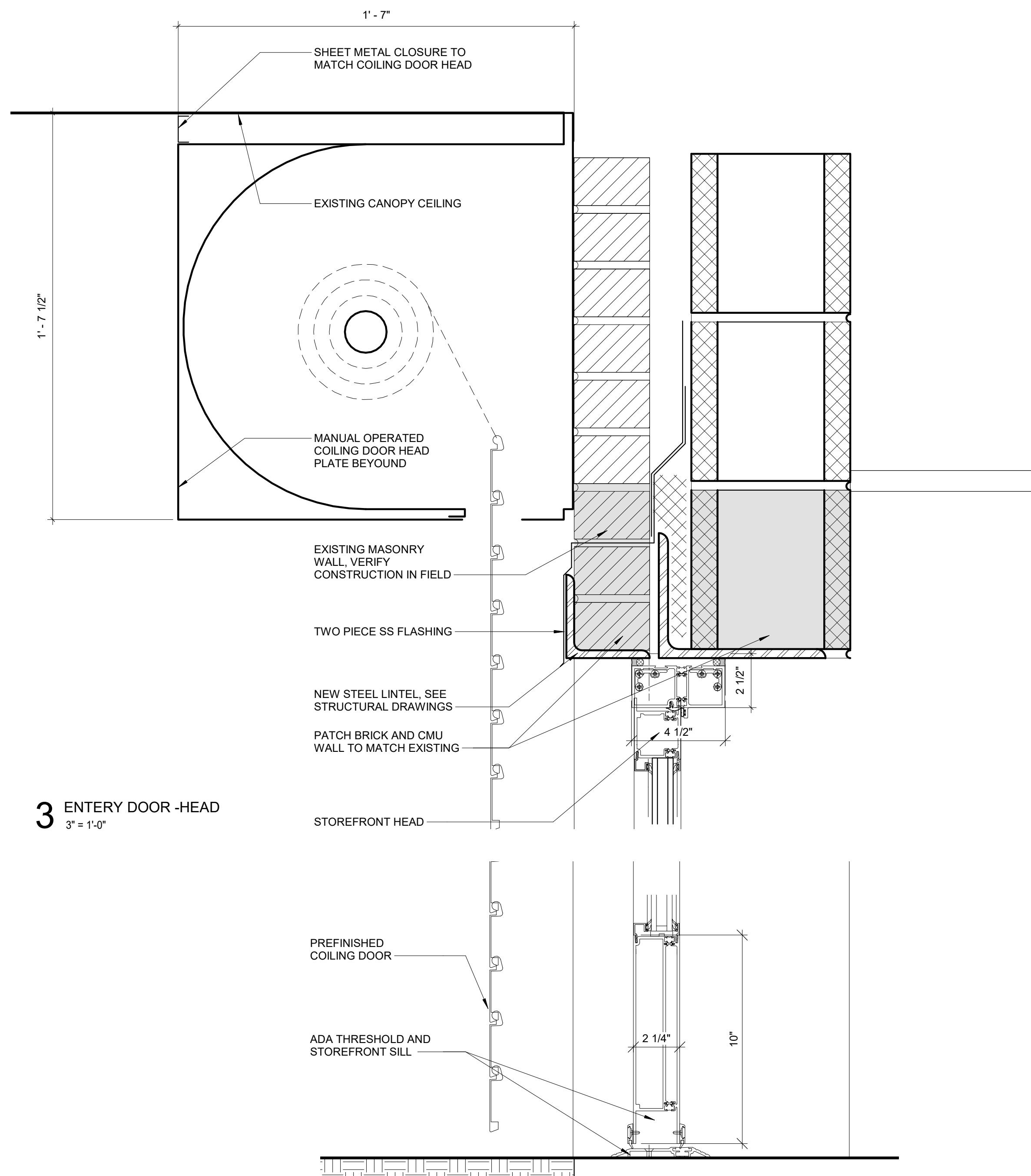


**1 KITCHEN UPPER CABINET DETAILS**  
1 1/2" = 1'-0"



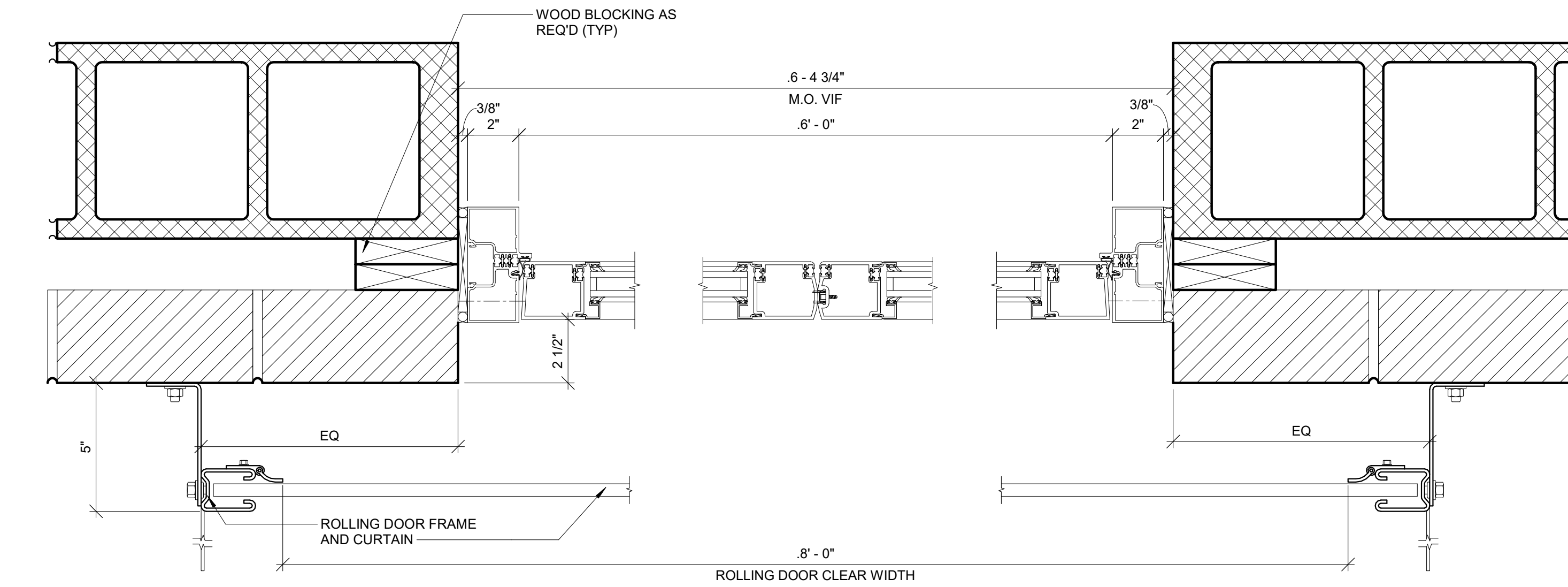


1 ENTRY DOOR AND OH DOOR ELEVATION  
1/2" = 1'-0"

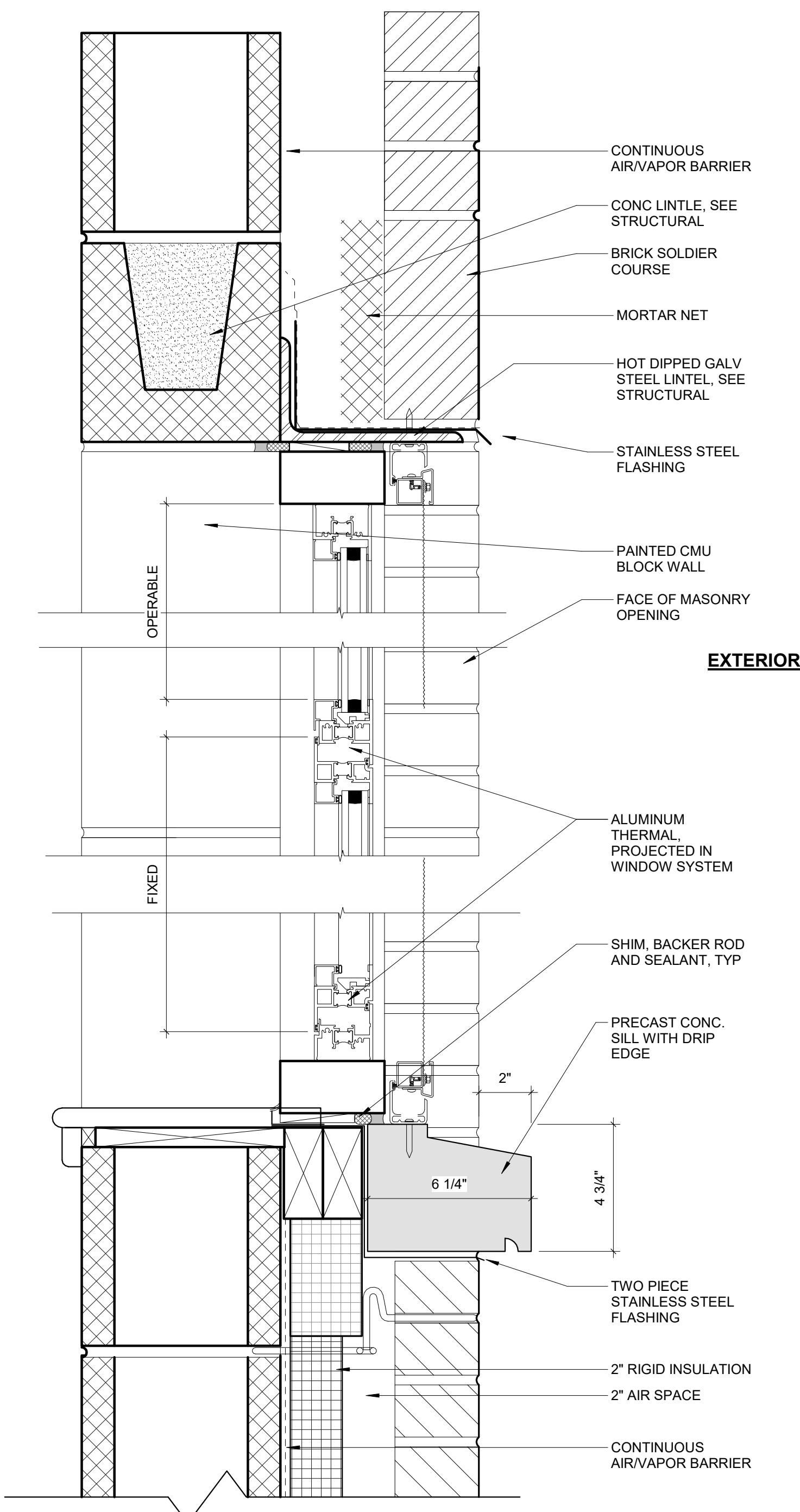


3 ENTRY DOOR - HEAD  
3" = 1'-0"

4 ENTRY DOOR - SILL  
3" = 1'-0"



2 ENTRY DOOR PLAN  
3" = 1'-0"

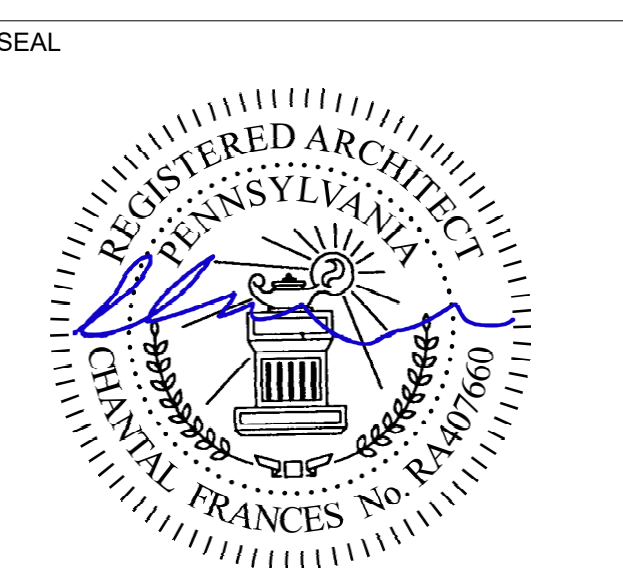


5 HOPPER WINDOW SECTION  
3" = 1'-0"

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Tara Rasheed, 215-683-0252



**PROJECT TEAM**  
**ARCHITECT:**  
JMT | ARCHITECTURE  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
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**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
STOREFRONT DETAILS

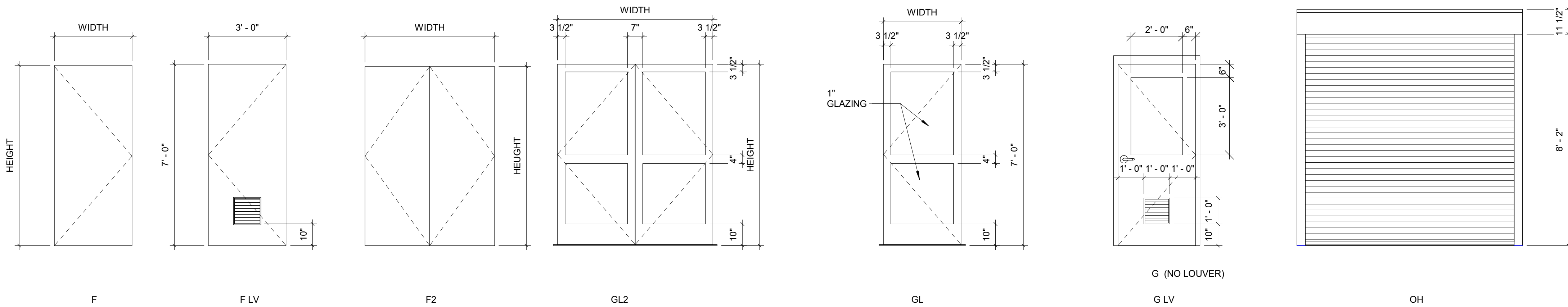
<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b> A5.1
<b>DATE:</b>	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> MJ	<b>FILE:</b>

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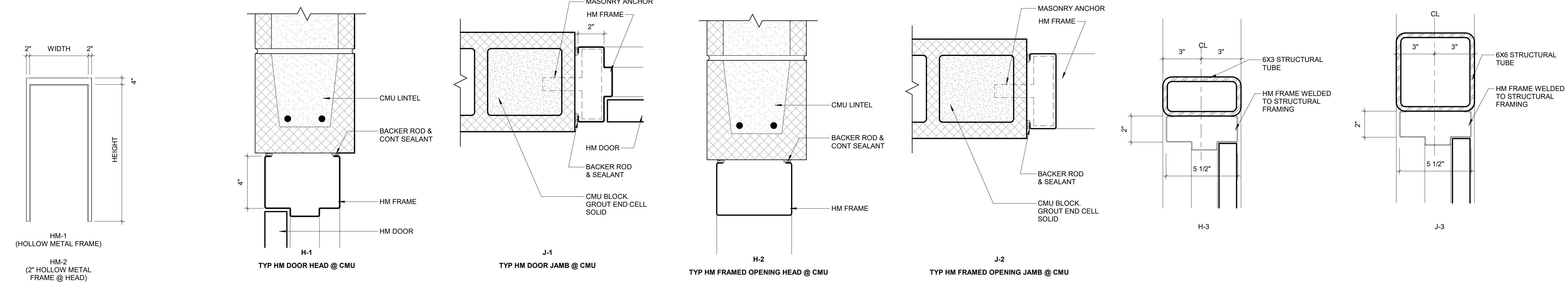
PERMIT SET 10/23/20

DOOR NUMBER	Room Name	DOOR						FRAME			HARDWARE SET	COMMENTS		
		SIZE			TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH				
		WIDTH	HEIGHT	THICKNESS										
1	FOYER	6'-0"	7'-0"	1 3/4"	GL2	AL/GLASS	PTD	1/A-5.1	AL	PTD	3/A-5.1	2/A-5.1	1	ALUM STOREFRONT. SEE SHEET A5.1 FOR DETAILS
2	MECHANICAL	3'-0"	7'-0"	1 3/4"	F	HM	PTD	HM-1	HM	PTD	H-1	J-1	9	
3	BOYS RM	3'-0"	7'-0"	1 3/4"	F LV	HM	PTD	HM-1	HM	PTD	H-1	J-1	8	
4	STORAGE	3'-0"	7'-0"	1 3/4"	F	HM	PTD	HM-1	HM	PTD	H-1	J-1	7	
5	GIRLS RM	3'-0"	7'-0"	1 3/4"	F LV	HM	PTD	HM-1	HM	PTD	H-1	J-1	8	
6	JAN	2'-6"	6'-8"	1 3/8"	F LV	HM	PTD	HM-1	HM	PTD	H-1	J-1	7	UNDER CUT DOOR 1.5" MIN. TO ALLOW FOR AIR FLOW
7	MEETING/CONF	6'-0"	7'-0"	1 3/4"	GL2	HM/GLASS	PTD	HM-1	HM	PTD	H-1	J-1	1	
8	KITCHEN	3'-0"	7'-0"	0"	N/A	N/A	N/A	HM-1	HM	PTD	H-2	J-2	N/A	FRAMED OPENING AT KITCHEN
9	CORRIDOR	3'-0"	7'-0"	1 3/4"	GL	AL/GLASS	PTD	1/A-5.1	AL	PTD	3/A-5.1	2/A-5.1	2	
10.1	STORAGE	3'-0"	7'-0"	1 3/4"	F	HM	PTD	HM-1	HM	PTD	H-1	J-1	6	
10.2	STORAGE	3'-4"	7'-0"	1 3/4"	F	HM	PTD	HM-1	HM	PTD	H-1	J-1	2	
11	OFFICE	3'-0"	7'-0"	1 3/4"	GLV	HM	PTD	HM-1	HM	PTD	H-1	J-1	4	
12	CLOSET	3'-0"	7'-0"	1 3/4"	F	HM	PTD	HM-1	HM	PTD	H-1	J-1	6	
13	COURTYARD	6'-0"	7'-0"	1 3/4"	F2	HM	PTD	HM-1	HM	PTD	H-1	J-1	3	
14	COMPUTER LAB	3'-0"	7'-0"	1 3/4"	G LV	HM	PTD	HM-1	HM	PTD	H-1	J-1	4	UNDER CUT DOOR 4" TO ALLOW FOR DRAINAGE
15	UNISEX TOILET	3'-0"	7'-0"	1 3/4"	F LV	HM	PTD	HM-1	HM	PTD	H-1	J-1	5	
16		4'-6"	8'-0"											

NOTE: FOR LOVER SIZE REFER TO MECHANICAL DRAWINGS

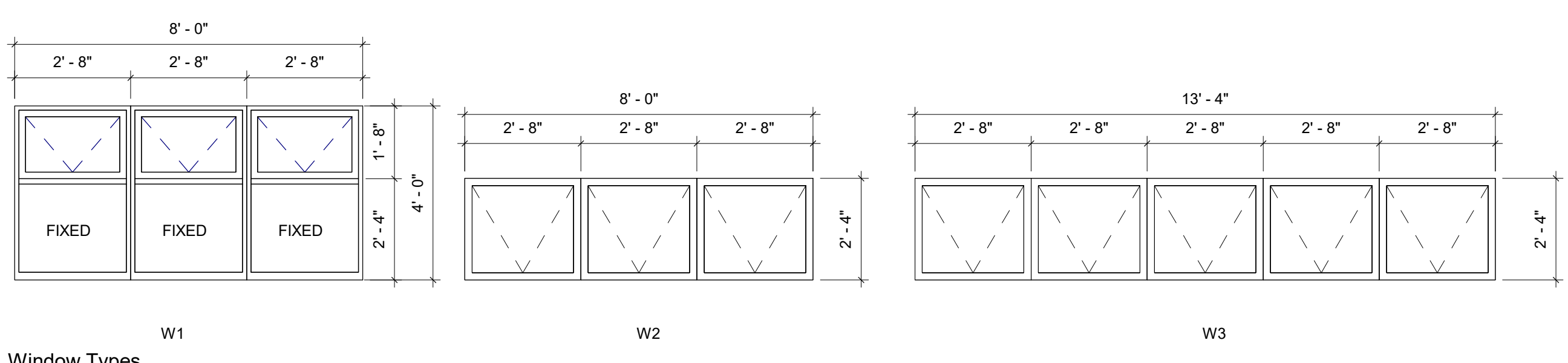


**DOOR TYPES**  
3/8" = 1'-0"



**FRAME TYPES**  
3/8" = 1'-0"

**HEAD AND JAMB DETAILS**  
3" = 1'-0"



**Window Types**  
3/8" = 1'-0"

NOTE: BASIS OF DESIGN FOR WINDOWS IS KAWNEER, MODEL #8225TLF PROJECT-IN WINDOWS FOR ZONE 4. WINDOWS MUST HAVE AN OVERALL SYSTEM U=0.45. THE 1" GLAZING WILL HAVE CGG U=0.20. TWO PANE INSULATING GLASS WITH A SOFT COAT LOW-E COATING ON #2 SURFACE AND A HARD COAT LOW-E COATING ON #4 SURFACE AND ARGON GAS IN THE GLASS UNIT.

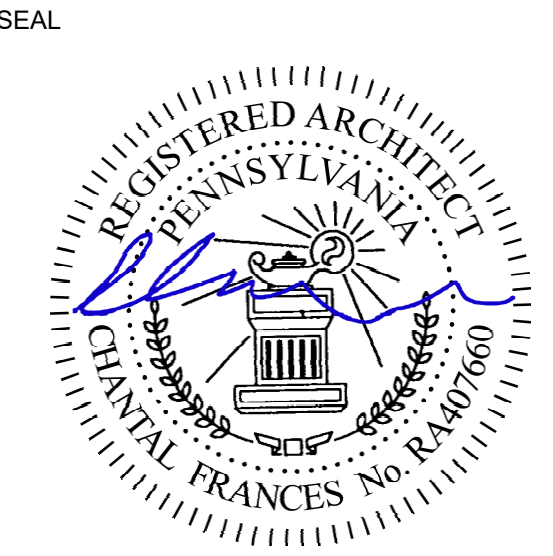
**DOOR AND FRAME NOTES:**

1. OPENING FORCE OF INTERIOR NON-RATED DOORS SHALL BE NO GREATER THAN 5 LBS.
2. OPENING FORCE OF FIRE RATED DOORS SHALL BE NO GREATER THAN 8 LBS.
3. ALL EXTERIOR GLAZING IN NON-RATED WALL AND DOOR ASSEMBLIES SHALL BE MINIMUM 1" INSULATED GLAZING. REFER TO SPECIFICATIONS FOR GLAZING TYPES.
4. PAINT ALL EXPOSED STEEL (COLOR AS SELECTED BY ARCHITECT).
5. PROVIDE COMPATIBLE FLASHING MATERIALS BETWEEN DISSIMILAR MATERIALS SUCH AS STEEL TO ALUMINUM.
6. SHIM ASSEMBLIES AS REQUIRED FOR PLUMB AND LEVEL. PROVIDE SEALANT AND BACKER RODS AT ALL JOINTS BETWEEN WINDOW SYSTEMS, DOOR FRAMES AND OTHER SURROUNDING CONSTRUCTION.
7. ALUMINUM WINDOW AND ENTRANCE FRAMES SHALL NOT BE INSTALLED IN DIRECT CONTACT WITH DISSIMILAR BUILDING MATERIALS.
8. THE MINIMUM LATCH SIDE CLEARANCE BETWEEN THE EDGE OF DOOR AND ADJACENT WALL OR OBSTRUCTIONS ON PULL SIDE SHALL BE 1'-6" MINIMUM.
9. THE MINIMUM LATCH SIDE CLEARANCE BETWEEN THE EDGE OF DOOR AND ADJACENT WALL OR OBSTRUCTIONS ON PUSH SIDE SHALL BE 1'-0" MINIMUM.
10. DO NOT APPLY WALL BASE TO HOLLOW METAL OR ALUMINUM FRAMES, UNLESS OTHERWISE NOTED.
11. THE CONTRACTOR SHALL COORDINATE FOR INSTALLATION OF POWER, CONDUIT AND/OR WIRING, ETC. AT OPENINGS SCHEDULED TO RECEIVE DEVICES SUCH AS DOOR CONTACTS, CARD READERS, ELECTRIC LOCKS AND AUTOMATIC DOOR OPENERS.

REVISIONS		
ISSUE	DATE	DESCRIPTION



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**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
SCHEDULES

<b>PROJECT NO.</b> 10-20-XXXX-01	<b>DRAWING NO.</b> <b>A6.0</b>
<b>DATE:</b>	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MH	
<b>CHECKED BY:</b> GS	<b>FILE:</b>

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PERMIT SET 10/23/20



**DESIGN NOTES**

<b>DESIGN BASIS:</b>	
IBC 2018	INTERNATIONAL BUILDING CODE
ASCE 7-16	MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
ACI 318-14	MANUAL FOR CONCRETE CONSTRUCTION
TMS 402-16	BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
AISC 360-16	SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
<b>PROJECT LOADS</b>	
<b>DEAD LOAD:</b>	ACTUAL WEIGHT OF STRUCTURE + WEIGHT OF MEP UNITS + 5 PSF FOR MISC. MEP LOADS
	UNIFORM (PSF)      CONC. (LBS)
<b>ROOF LIVE LOAD:</b>	20                      300
<b>WIND LOAD PER ASCE 7-16</b>	
WIND BORN DEBRIS:	NOT APPLICABLE
BUILDING RISK CATEGORY:	II
BASIC WIND SPEED	115 MPH
DIRECTIONALITY FACTOR (K <sub>d</sub> ):	0.85
WIND EXPOSURE:	B
TOPOGRAPHIC FACTOR (K <sub>z</sub> ):	1.0
GUST EFFECT FACTOR (G <sub>f</sub> ):	0.85
ENCLOSURE CLASSIFICATION:	ENCLOSED
INTERNAL PRESSURE COEFF:	±0.18
MWFRS DESIGN PROCEDURE:	ENVELOPE
<b>MWFRS</b>	POS.      NEG. (PSF)      (PSF)
WINDWARD / LEEWARD:	21.0      -14.2
ROOF PRESSURE:	-11.1      -25.2
<b>COMPONENTS AND CLADDING:</b>	
<b>ROOF</b>	SURFACE PRESSURE (PSF)
AREA	<b>10SF</b> <b>50SF</b> <b>100SF</b> <b>500SF</b>
NEG. ZONE 1	-23.8      -22.4      -21.8      -21.8
NEG. ZONE 2	-39.9      -30.1      -25.8      -25.8
NEG. ZONE 3	-60.1      -36.1      -25.8      -25.8
POS. ALL ZONES	9.7      8.3      7.7      7.7
<b>WALL</b>	SURFACE PRESSURE (PSF)
AREA	<b>10SF</b> <b>50SF</b> <b>100SF</b> <b>500SF</b>
NEG. ZONE 4	-25.8      -23.3      -22.2      -19.8
NEG. ZONE 5	-31.9      -26.9      -24.7      -19.8
POS. ALL ZONES	23.8      21.3      20.2      17.7
** REFER TO ASCE 7-16, CHAPTER 30 FOR ZONE DEFINITIONS**	
<b>SEISMIC DESIGN CRITERIA</b>	
RISK CATEGORY:	II
SEISMIC IMPORTANCE FACTOR (I <sub>s</sub> ):	I <sub>s</sub> = 1.0
MAPPED SPECTRAL RESPONSE ACCL:	S <sub>a</sub> = 0.20g      S <sub>v1</sub> = 0.09g
SITE CLASS:	D
SPECTRAL RESPONSE ACCELERATIONS:	S <sub>as</sub> = 0.21g      S <sub>vs1</sub> = 0.09g
SEISMIC DESIGN CATEGORY:	B
<b>SEISMIC DESIGN FACTORS</b>	
BASIC SEISMIC FORCE-RESISTING SYSTEM(S):	ORDINARY REINFORCED MASONRY SHEAR WALLS
RESPONSE MODIFICATION FACTOR:	R = 2
SEISMIC RESPONSE COEFFICIENT:	C <sub>s</sub> = 105
DESIGN BASE SHEAR:	F <sub>p</sub> = F <sub>y</sub> = 14.7k
<b>SNOW LOADS</b>	
GROUND SNOW LOAD:	25 PSF
FLAT ROOF SNOW LOAD:	17.5 PSF

**CONTRACTOR'S NOTES**

GENERAL NOTES: GENERAL CONTRACTOR SHALL ENGAGE A SURVEYOR TO PROVIDE LOCATIONS OF ALL EXISTING UTILITIES, TRENCHES, ETC. TO ENSURE THAT ALL FOUNDATIONS WILL NOT INTERFERE, UNDERMINE, OR BEAR ON EXISTING UTILITIES. GENERAL CONTRACTOR SHALL FIELD VERIFY EXISTING SIZES, DIMENSIONS, NOTES OR CONDITIONS PRIOR TO ANY DETAILING, OR FABRICATION OF MATERIALS.

TEMPORARY FACILITIES: THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE STRUCTURE IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE, AND TO ENSURE THE STABILITY OF THE BUILDING AND ITS COMPONENT PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS, DURING ERECTION. THIS INCLUDES THE ADDITION OF ANY SHORING, SHEETING, TEMPORARY GUYS, BRACING OR TIE DOWNS THAT MIGHT BE NECESSARY. SUCH MATERIALS IS NOT SHOWN ON THE DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT AND SHALL REMAIN THE CONTRACTOR'S PROPERTY.

CONSTRUCTION PROCEDURES: THE ENGINEER HAS NO EXPERTISE IN, AND TAKES NO RESPONSIBILITY FOR, CONSTRUCTION MEANS AND METHODS OR JOB SITE SAFETY DURING CONSTRUCTION. PROCESSING AND/OR APPROVING SUBMITTALS MADE BY THE CONTRACTOR WHICH MAY CONTAIN INFORMATION RELATED TO CONSTRUCTION METHODS OR SAFETY ISSUES, OR PARTICIPATION IN MEETINGS WHERE SUCH ISSUES MIGHT BE DISCUSSED, SHALL NOT BE CONSTRUED AS VOLUNTARY ASSUMPTION BY THE ENGINEER OF ANY RESPONSIBILITY FOR SAFETY PROCEDURES. IT IS SOLELY THE RESPONSIBILITY OF EACH CONTRACTOR TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE ENGINEER IS NOT ENGAGED IN, AND DOES NOT SUPERVISE CONSTRUCTION.

INSPECTION: ALL WORK SPECIFIED HEREIN SHALL BE INSPECTED IN ACCORDANCE WITH THE BUILDING CODE AND ALL LOCAL ORDINANCES. THE OWNER SHALL HIRE AN EXPERIENCED QUALIFIED INSPECTOR TO PERFORM ALL REQUIRED SPECIAL INSPECTION WORK. THE CONTRACTOR SHALL HIRE AN EXPERIENCED QUALIFIED INSPECTOR TO PERFORM ALL OTHER INSPECTION WORK. INSPECTION SHALL CONSIST OF, BUT NOT BE LIMITED TO, VISUAL OBSERVATIONS OF MATERIALS, EQUIPMENT OR CONSTRUCTION WORK FOR THE PURPOSE OF ASCERTAINING THAT THE WORK IS IN SUBSTANTIAL CONFORMANCE WITH THE CONTRACT DOCUMENTS AND WITH THE DESIGN INTENT. THE ENGINEER WILL NOT PERFORM THE REQUIRED INSPECTION AS PART OF THIS PRESENT CONTRACT WITH THE ARCHITECT/OWNER. UNDER THIS PRESENT CONTRACT, THE ENGINEER MAY VISIT THE SITE TO ASCERTAIN GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS. HOWEVER, SUCH VISITS SHALL NOT BE RELIED UPON BY OTHERS AS ACCEPTANCE OF THE WORK, NOR SHOULD IT BE CONSTRUED TO RELIEVE THE CONTRACTOR IN ANY WAY FROM HIS OBLIGATIONS AND RESPONSIBILITIES UNDER THE CONSTRUCTION CONTRACT. HOWEVER, IF DESIRED, JMT CONSULTANTS, INC. MAY BE HIRED UNDER A SEPARATE CONTRACT TO PERFORM THIS INSPECTION WORK.

SUBMITTALS: SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS MUST BE SUBMITTED BY CONTRACTOR FOR REVIEW BY THE ENGINEER. ALL CONTRACTOR MODIFICATIONS (INCLUDING PRODUCTS SUBSTITUTION) MUST BE SUBMITTED IN WRITING AS A PROPOSED "AS EQUAL" CHANGES AT TIME OF SUBMISSION. IF A CONTRACTOR OR OWNER FAILS TO SUBMIT THE SHOP DRAWINGS OR FAILS TO FOLLOW THE ABOVE "AS EQUAL" PROCEDURE, THE FIRM, JMT CONSULTANTS, INC., WILL NOT BE RESPONSIBLE FOR THE STRUCTURAL CERTIFICATION AND DESIGN OF THE PROJECT.

CONTRACT DOCUMENTS: THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE ONE PART OF THE CONTRACT DOCUMENT SET AND SHALL BE USED IN CONJUNCTION WITH THE REMAINING PARTS OF THE CONTRACT DOCUMENTS. "DRAWINGS" MEANS THE LATEST STRUCTURAL DESIGN DRAWINGS AND "SPECIFICATIONS" MEANS THE LATEST PROJECT SPECIFICATIONS. IN CASES WHERE REQUIREMENTS INDICATED ON THE STRUCTURAL DRAWINGS DIFFER FROM THE SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AND ASSUME THE MORE STRINGENT REQUIREMENT UNTIL OTHERWISE NOTIFIED IN WRITING BY THE ARCHITECT OR ENGINEER. ADDITIONALLY, WHERE REFERENCED CODES AND STANDARDS IDENTIFIED IN THE PLANS, NOTES, OR SPECIFICATIONS CONFLICT THE MORE STRINGENT OR CONSERVATIVE PROVISIONS SHALL CONTROL. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY SUCH CONFLICTS DISCOVERED.

DRAWING SET CONVENTION(Standard): ALL DETAILS, SECTIONS, AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL WHERE CONDITIONS ARE SIMILAR TO THOSE INDICATED BY DETAIL, OR DETAIL, TITLE, OR NOTE. CENTERLINES OF COLUMNS AND FOUNDATIONS COINCIDE WITH GRID LINE INTERSECTIONS. UON. CENTERLINES OF GRADE BEAMS AND WALLS COINCIDE WITH CENTERLINES OF FOUNDATIONS. UON. CENTERLINES OF FLOOR FRAMING BEAMS AND GIRDERS COINCIDE WITH COLUMN CENTERLINES. UON. FOR BEAMS OVERHANGING A SUPPORT, THE SIZE OF THE CANTILEVER MEMBER SHALL MATCH THE BACKSPAN MEMBER. UON. ELEVATIONS INDICATED ON STRUCTURAL DRAWINGS ARE BASED ON A 0'-0" ELEVATION EQUATING TO 0'-0" PROJECT DATUM ELEVATION INDICATED ON THE ARCHITECTURAL DRAWINGS. USE ONLY DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT SCALE DRAWINGS OR USE ANY DIMENSIONS TAKEN FROM ELECTRONIC DRAWING FILES.

**EXISTING CONDITIONS**

- DEMOLITION:**
1. PROTECTION: PROTECT EXISTING CONSTRUCTION TO REMAIN DURING REMOVAL, CUTTING AND PATCHING TO PREVENT DAMAGE.
  2. CUTTING: CUT EXISTING CONSTRUCTION USING METHODS LEAST LIKELY TO DAMAGE ELEMENTS TO BE RETAINED OR ADJOINING CONSTRUCTION. IN GENERAL, WHERE CUTTING IS REQUIRED, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERS AND CHOPPERS. CUT HOLES AND SLOTS NEATLY TO SIZE REQUIRED WITH MINIMUM DISTURBANCE OF ADJACENT SURFACES. TEMPORARILY COVER OPENINGS WHEN NOT IN USE. CUT THROUGH CONCRETE AND MASONRY USING A CUTTING MACHINE SUCH AS CARBORUNDUM SAW OR DIAMOND CORE DRILL.
  3. CUT-OFF PIPE OR CONDUIT IN WALLS OR PARTITIONS TO BE REMOVED, RELOCATED OR ABANDONED. CUT-OFF PIPE OR CONDUIT IN WALLS OR PARTITIONS TO BE REMOVED. CAP VALVE OR PLUG AND SEAL. THE REMAINING PORTION OF PIPE OR CONDUIT TO PREVENT ENTRANCE OF MOISTURE OR OTHER FOREIGN MATTER AFTER BY-PASSING AND CUTTING.
  4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES THAT ARE INVOLVED IN THE DEMOLITION ACTIVITIES AND COORDINATE THEIR REMOVAL OR RELOCATION WITH THE OWNERS REPRESENTATIVE. WORK AT NO COST TO OWNER.

**CONCRETE NOTES**

**MATERIALS:**

**CONCRETE:**

1. EXPOSURE CLASS FOR FOOTINGS AND GRADE BEAMS: F2, S0, W0, C0.
2. EXPOSURE CLASS FOR INTERIOR SLAB ON GROUND: F0, S0, W0, C0.
2. NORMAL-WEIGHT CONCRETE (NWC) MINIMUM CURE DENSITY SHALL BE 145 PCF
3. NORMAL-WEIGHT CONCRETE AGGREGATE SHALL CONFORM TO ASTM C33
4. NO ADMIXTURES SHALL CONTAIN CALCIUM CHLORIDE.
5. CONCRETE EXPOSED TO THE WEATHER SHALL HAVE AN AIR ENTRAINMENT OF 6% ± 1.5%

**REINFORCING STEEL:**

1. DEFORMED BARS SHALL CONFORM TO ASTM A615, GRADE 60 OR ASTM A706, GRADE 60
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064

**EXECUTION:**

**CONCRETE:**

1. JOINTS IN STRUCTURAL FRAMING MEMBERS AND WALLS ARE PROHIBITED, UNLESS DETAILED IN THE DRAWINGS.
2. REFER TO TYPICAL DETAILS AND SPECIFICATIONS FOR PLACEMENT CRITERIA OF NON-ALUMINUM CONDUIT.
3. CHAMFER ALL EXPOSED CONCRETE CORNERS. SEE ARCHITECTURAL DRAWINGS FOR DETAILS AND REQUIREMENTS
4. PROVIDE CONTINUOUS WATERSTOPS, AS DESCRIBED IN THE SPECIFICATIONS, AT EACH CONSTRUCTION JOINT OF ANY CONCRETE ELEMENT EXPOSED TO SOIL OR WATER.
5. PROVIDE WATERSTOPS, EXTENDING FROM TOP OF FOOTING TO 4'-0" ABOVE GRADE.
6. PROVIDE A 1-1/2" BY 3-1/2" CONTINUOUS KEY AT EACH JOINT REQUIRING WATERSTOP.
7. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL JOINTING AND WATERPROOFING REQUIREMENTS.
8. LOADS GREATER THAN THE DESIGN LIVE LOADS SHALL NOT BE PLACED ON THE STRUCTURE. A CONCRETE STRUCTURE MAY NOT SUPPORT ITS DESIGN LIVE LOAD FOR 28 DAYS. CONTRACTOR SHALL SUPPORT ADJACENT STRUCTURES, UTILITIES, AND EXCAVATIONS AS REQUIRED FOR COMPLETION OF WORK.
9. ONE SET OF COMPRESSIVE TEST CYLINDERS FOR EACH 50 CUBIC YARDS POURED, BUT NOT LESS THAN ONE SET FOR EACH DAY'S POUR AND EACH CLASS OF CONCRETE. ALONG WITH SLUMP TESTS SHALL BE PERFORMED BY A TESTING LABORATORY APPROVED BY THE STRUCTURAL ENGINEER.

**REINFORCING STEEL:**

1. DETAIL REINFORCEMENT BASED ON THE PROJECT REQUIREMENTS AND APPLICABLE CODES / STANDARDS NOTED.
2. ALL LAP SPLICES ARE TO BE ACI STANDARD CLASS B TENSION LAP SPLICES. WHERE BARS OF DIFFERENT SIZES LAP, PROVIDE LAP SPLICE LENGTH FOR LARGER BAR.
3. WHERE A 90-DEG. HOOK IS GRAPHICALLY INDICATED, PROVIDE ACI STANDARD 90-DEG. HOOK. WHERE A 135-DEG. HOOK IS GRAPHICALLY INDICATED, PROVIDE ACI STANDARD 135-DEG. HOOK. WHERE A 180-DEG. HOOK IS GRAPHICALLY INDICATED, PROVIDE ACI STANDARD 180-DEG. HOOK.
4. WHERE SHEETS OF WELDED WIRE FABRIC ARE GRAPHICALLY INDICATED TO LAP, PROVIDE ACI STANDARD FULL TENSION WELDED WIRE FABRIC LAP SPLICE.
5. FOR BARS INDICATED IN GROUPS, PROVIDE BARS OF EACH GROUP AT EQUAL SPACING. UON.
6. WHERE DOWELS ARE INDICATED BUT NOT SIZED, PROVIDE DOWELS THAT MATCH SIZE AND LOCATION OF MAIN REINFORCEMENT AND LAP SPLICE WITH THE MAIN REINFORCEMENT.
7. WHERE CONCRETE ELEMENTS INTERSECT WALLS, PROVIDE DOWELS TO EXTEND WALL REINFORCEMENT CONTINUOUS. ALL WALL STEEL SHALL HAVE A MINIMUM EXTENSION INTO THE SUPPORTS IN ACCORDANCE WITH THE LATEST ADDITION OF THE ACI CODE.
8. REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE PROTECTION (CLEAR COVER), UON.  
SURFACES NOT FORMED: 3"  
FORMED SURFACES IN CONTACT WITH SOIL/ WATER, OR EXPOSED TO WEATHER: 2"  
INTERIOR OR EXTERIOR WALLS BEAMS, GIRDER, AND COLUMNS: 2"  
SLABS AND JOISTS, TOP BARS: 3/4"  
SLABS AND JOISTS, BOTTOM BARS AND WALLS: 1"

**CONCRETE MASONRY NOTES**

**MATERIALS:**

- CONCRETE BLOCK: ASTM C90, NORMAL WEIGHT - TYPE I, GRADE N1
- MORTAR: ASTM C270
- GROUT: ASTM C476
- REINFORCING BARS: ASTM A615, GRADE 60
- JOINT REINFORCEMENT: ASTM A951, LADDER TYPE
- EXTERIOR JT REINF: GALVANIZE PER ASTM A153
- INTERIOR JT REINF: GALVANIZE PER ASTM A614

**EXECUTION:**

1. THE MINIMUM COMPRESSIVE STRENGTH OF THE MASONRY (FM) SHALL BE 2,000 PSI, UON. THIS STRENGTH SHALL BE OBTAINED IN ACCORDANCE WITH THE ABOVE REFERENCED SPECIFICATIONS FOR MASONRY STRUCTURES.
1. ALL BLOCK DIMENSIONS INDICATED ON STRUCTURAL PLANS ARE NOMINAL DIMENSIONS.
2. ALL MASONRY UNITS SHALL BE PLACED WITH FULL FACESHELL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. WEBS SHALL ALSO HAVE FULL MORTAR COVERAGE AROUND ALL GROUDED CELLS.
3. CONCRETE BLOCK BELOW BEAM BEARING POINTS SHALL BE FILLED SOLID FOR A MINIMUM OF TWO COURSES IN DEPTH AND A MINIMUM OF 2' IN WIDTH. UON. ALL PORTIONS OF MASONRY WALLS HAVING A HORIZONTAL CROSS SECTION OF 4 SQ. FT. OR LESS SHALL BE FILLED SOLID DOWN TO FOOTINGS.
4. MASONRY WALL SHALL BE REINFORCED AS SHOWN ON DRAWINGS. IF NO REINFORCEMENT IS SHOWN, PROVIDE VERTICAL #5 BARS @ 32" O.C.
5. ALL MASONRY WALLS SHALL HAVE HORIZONTAL JOINT REINFORCEMENT AT 16" O.C. MAXIMUM.
6. ALL WALLS AT INTERSECTIONS AND CORNERS SHALL BE INTERLOCKED WITH METAL TIES, ANCHORS, OR JOINT REINFORCEMENT. SEE THE SPECIFICATIONS FOR REQUIREMENTS.
7. ALL CELLS WITH VERTICAL REINFORCING SHALL BE GROUDED SOLID.
8. THE MINIMUM SPLICE LENGTH FOR ALL VERTICAL REINFORCING BARS SHALL BE 48 BAR DIAMETERS.
9. CALCIUM CHLORIDE SHALL NOT BE USED IN MORTAR OR GROUT.
10. ALL MORTAR SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS.
11. PROVIDE CONTROL JOINTS AT 24' O.C. AND ON EACH SIDE OF EACH OPENING IN CMU WALLS. FILL JOINTS WITH WEATHERPROOF ELASTOMERIC SEALANT MEETING STANDARDS OF ASTM C920.
12. CONCRETE GROUT, CONFORMING TO ASTM C476, NOT MORTAR, SHALL BE USED AT CELLS AND BOND BEAMS CONTAINING REINFORCING BARS. DO NOT FILL CELLS NOT CONTAINING REINFORCING BARS, EXCEPT BELOW GRADE, UNLESS SO INDICATED.
13. LOAD-BEARING MASONRY WALLS SHALL BE LATERALLY BRACED UNTIL ALL FLOOR / ROOF DIAPHRAGM IS IN PLACE.
14. AT ALL NON-LOAD BEARING MASONRY WALLS (INTERIOR AND EXTERIOR), PROVIDE A 3/4" CAULKED JOINT BETWEEN UNDERSIDE OF BEAM, JOIST, DECK, OR STRUCTURE AND TOP OF MASONRY WALL.
15. PROVIDE A 2 SQUARE INCH INSPECTION HOLE AT THE BOTTOM CELL FOR EACH LIFT TO ALLOW VISUAL INSPECTION AND TO REMOVE MORTAR DROPPING PRIOR TO GROUTING.
16. ALL MASONRY SHALL BE FINISHED IN WRITING AS A PROPOSED "AS EQUAL" CHANGES AT TIME OF SUBMISSION. OTHERWISE:
17. SLEEVE ALL PLUMBING OR FIRE PROTECTION PIPING THROUGH CMU WALL.
18. AT LOAD-BEARING MASONRY WHERE JOISTS OR BEAMS BEAR ON MASONRY WALLS, GROUT POCKET SOLID WITH GROUT TO THE SAME FINISH FACE AS MASONRY ABOVE AND BELOW. DO THIS ONLY AFTER JOIST SEAT CONNECTION HAS BEEN INSPECTED.

**STEEL BAR JOIST NOTES**

1. JOIST BRIDGING SHALL NOT BE USED TO SUPPORT CONDUIT, PIPING, DUCTWORK, ETC.
2. JOISTS SHALL NOT BE FIELD MODIFIED EXCEPT AS SHOWN.
3. STEEL JOISTS SHALL BE OPEN WEB STEEL JOISTS OF THE SIZES AND SERIES SHOWN ON THE DRAWINGS. JOISTS, BRIDGING AND SPACING OF BRIDGING SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS" OF THE STEEL JOIST INSTITUTE, EXCEPT WHERE OTHERWISE INDICATED BY THE DRAWINGS OR SPECIFICATIONS.
4. WHERE ANGLE BRACES ARE SHOWN ON STRUCTURAL SECTIONS, JOIST MANUFACTURER SHALL RESOLVE AN AXIAL LOAD OF 2000 POUNDS FROM THE BRACE INTO THE JOIST - TYPICAL UNLESS NOTED OTHERWISE.
5. IN ADDITION TO WHAT IS CALLED FOR ON PLAN, BAR JOISTS SHALL BE DESIGNED TO SUPPORT AN ADDITIONAL CONCENTRATED LOAD OF 300 POUNDS AT TOP OR BOTTOM CHORD AT ANY ONE LOCATION ALONG THE SPAN.
6. AT THE END OF EACH ROOF JOIST, PROVIDE A CONTINUOUS ROW OF BRIDGING AT THE LAST BOTTOM CHORD PANEL POINT FOR UPLIFT. TYPICAL AT EACH END OF JOIST.
7. CONTRACTOR SHALL SUBMIT ERECTION PLANS AND DETAIL SHOP DRAWINGS FOR REVIEW BY ENGINEER BEFORE FABRICATION.
8. MANUFACTURER SHALL DESIGN JOISTS FOR LOADS PROVIDED ON DRAWINGS AND ALL APPLICABLE DESIGN AND BUILDING CODES. MANUFACTURER SHALL SUBMIT SIGNED AND SEALED CALCULATIONS FOR REVIEW BY ENGINEER BEFORE FABRICATION.

**DECKING NOTES**

**MATERIALS:**

- STEEL FOR DECK: ASTM A446, MINIMUM YIELD STRENGTH OF 33 KSI
- HOT-DIP GALVANIZING: ASTM A525 G80

**EXECUTION:**

1. DECK SHALL BE HOT-DIP GALVANIZED, UON. SEE SPECIFICATIONS FOR A LISTING OF ACCEPTABLE METAL ROOF DECK MANUFACTURERS.
2. THE DESIGN, MANUFACTURE AND ERECTION OF STEEL ROOF DECK AND ITS ANCHORAGE SHALL, AT A MINIMUM, BE IN ACCORDANCE WITH CODES / STANDARDS NOTED.
3. PROVIDE STEEL DECK WITH DEPTH INDICATED ON THE DRAWINGS AND MINIMUM THICKNESS OF 20 GAGE. UON.
4. DESIGN AND DETAIL ROOF DECK AND ITS ANCHORAGE TO SUPPORTING MEMBERS TO SUPPORT SCHEDULED DESIGN LOADS, INDICATED DIAPHRAGM SHEAR, AND INDICATED ROOF UPLIFT. ROOF DIAPHRAGM LOADS AND ROOF UPLIFT LOADS SHALL BE ASSUMED TO BE APPLIED SIMULTANEOUSLY.
5. ROOF DECK AND ITS ANCHORAGE TO STRUCTURAL FRAMING SHALL BE CAPABLE OF WITHSTANDING A MINIMUM NET UPLIFT FORCE OF 40 POUNDS PER SQUARE FOOT.
6. NO LOAD SHALL BE HUNG DIRECTLY FROM STEEL ROOF DECK WITHOUT THE PRIOR REVIEW AND APPROVAL OF THE DECK SUPPLIER AND THE STRUCTURAL ENGINEER OF RECORD.
7. CONFORM TO MANUFACTURER'S SPECIFICATIONS FOR MAXIMUM UNSHORED SPANS DURING CONSTRUCTION.
8. DECK SHALL HAVE WELDED SIDE LAPS @ 12" O.C, 3/4" PUDDLE WELDS @ SUPPORTS (ONE PER FLUTE), AND WELDS AT 12" O.C. ALONG EDGE BEAMS AT PERIMETER OF BUILDING, UNLESS OTHERWISE NOTED.

**ANCHORAGE TO STRUCTURE NOTES**

**POST-INSTALLED ANCHORS**

1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS.
2. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER OF RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS.
3. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR.
4. THE FOLLOWING MANUFACTURER'S HAVE BEEN PREAPPROVED FOR SUBMITTAL, POWERS FASTENERS, HILTI, & SIMPSON
5. SUBMITTAL OF ALL PROPOSED PRODUCTS, WITH TECHNICAL DATA AND CURRENT ICC-ERS REPORTS IS REQUIRED FOR REVIEW AND APPROVAL BY EOR. ADDITIONAL APPLICATION CALCULATIONS MAY BE REQUIRED BY THE EOR.
6. HOLES SHALL BE DRILLED AND CLEANED IN STRICT ACCORDANCE WITH THE CURRENT MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS (MPI).
7. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT THE TIME OF ANCHOR INSTALLATION IN ACCORDANCE WITH ACI 318-11 D.2.2
8. MANUFACTURER'S FIELD REPRESENTATIVE SHALL PROVIDE INSTALLATION TRAINING FOR ALL PRODUCTS TO BE USED, PRIOR TO COMMENCEMENT OF WORK. ONLY TRAINED INSTALLERS SHALL PERFORM POST INSTALLED ANCHOR INSTALLATION. A RECORD OF TRAINING SHALL BE KEPT ON SITE AND BE MADE AVAILABLE TO THE EOR AS REQUESTED.
9. PROVIDE SPECIAL INSPECTION FOR ALL MECHANICAL AND ADHESIVE ANCHORS PER THE APPLICABLE BUILDING CODE AND PER THE CURRENT ICC-ERS REPORT FOR THE ANCHOR.
10. ANCHORS ARE TO BE 3/4" DIAMETER WITH A MINIMUM EMBEDMENT OF 6", UON.
11. INSTALL ANCHORS TO MEET THE REQUIREMENTS INDICATED IN THE DRAWINGS, THE CURRENT I.C.B.O. REPORT, AND THE MANUFACTURER'S RECOMMENDATIONS.
12. MASONRY ANCHORS ARE TO BE INSTALLED IN SOLID MASONRY OR IN HOLLOW MASONRY THAT HAS BEEN GROUDED SOLID AT LEAST ONE COURSE ABOVE AND ONE COURSE BELOW THE ANCHOR, UON.

**CONCRETE ANCHORS**

MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193 FOR CRACKED, UNCRACKED AND SEISMIC CONCRETE RECOGNITION. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED, UNCRACKED AND SEISMIC CONCRETE RECOGNITION.

**MASONRY ANCHORS (SOLID GROUDED CONCRETE MASONRY)**

MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR AC106. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC308.

**MASONRY ANCHORS (HOLLOW CONCRETE MASONRY/UNREINFORCED CLAY BRICK MASONRY):**

ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC58 OR AC60. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER.

**EARTHWORK**

**CONTROLLED FILL AND BACKFILL**

1. SAMPLES OF ALL MATERIALS THAT THE CONTRACTOR PROPOSES TO USE FOR COMPACTED FILL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND STRUCTURAL ENGINEER. COMPACTED FILL SHALL CONSIST OF LOCAL MATERIAL FREE OF DELETERIOUS MATTER AND CLASSIFIED SC, GC, GM, OR SM PER ASTM D-2487.
2. THE CONTROL OF THE MOISTURE FOR PLACING THE FILL WILL BE BASED ON THE RESULTS OF COMPACTION TESTS PER ASTM D-1557. ALL COMPACTED FILL SHALL HAVE A DENSITY OF AT LEAST 95% FOR COHESIONLESS SOILS AND 90% FOR COHESIVE SOILS OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557.
3. PRIOR TO PLACEMENT OF ANY FILLS, THE SITE SHALL BE STRIPPED OF ALL TOPSOIL, VEGETATION, ROCKS, AND ORGANIC MATERIALS AND THE EXPOSED SUBGRADE SHALL BE COMPACTED IN PLACE TO A CONFIRMED DENSITY OF 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.
4. FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8" IN THICKNESS AND SHALL BE MIXED, SPREAD AND PLACED IN SUCH A WAY AS TO PRODUCE A UNIFORM THICKNESS OF MATERIAL AFTER PLACING.
5. COMPACTED FILL PLACED WITHIN 4 FEET OF STRUCTURES AND PIPES SHOULD BE PLACED IN HORIZONTAL LIFTS NOT TO EXCEED 4 INCHES THICKNESS AND COMPACTED WITH HAND TAMPERS OR LIGHT COMPACTION EQUIPMENT TO THE SAME STANDARD. HEAVY COMPACTION EQUIPMENT SHOULD NOT BE ALLOWED WITHIN 4 FEET OF STRUCTURES UNLESS A MINIMUM 2 FEET DEPTH OF FILL COVERS THE STRUCTURES.
6. THE CONTRACTOR SHALL TAKE ALL MEASURES REQUIRED TO PROVIDE FOR FREE DRAINAGE OF THE SITE AND TO PREVENT PONDING OF WATER. SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES.
7. PLACING OF FILL CONTAINING ORGANIC MATTER: PLACING OF FILL WITH MOISTURE CONTENT TOO HIGH OR TOO LOW FOR PROPER COMPACTION; PLACING OF FILL WHEN FREE WATER IS STANDING ON THE EXISTING FILL SURFACE; PLACING OF FILL IN A FROZEN CONDITION OR ON TOP OF FROZEN MATTER WILL NOT BE PERMITTED.
8. THE GEOTECHNICAL ENGINEER SHALL SUPERVISE THE PLACING OF THE COMPACTED FILL AND ALL THE MATERIAL AND EQUIPMENT USED FOR THIS PURPOSE AND SHALL MAKE SUCH SOILS TESTS AS MAY BE REQUIRED FOR THE COMPLETION OF THE WORK.

**FOUNDATION**

1. CONCRETE SHALL NOT BE POURED ON FROZEN GROUND.
2. PROVIDE PROTECTION AS REQUIRED TO SUPPORT LATERAL LOADS DURING EXCAVATION.
3. FILL ALL VOIDS AND REPLACE DISTURBED SOIL WITH LEAN CONCRETE.
4. CONTRACTOR SHALL SAFEGUARD AND PROTECT ALL EXCAVATIONS AND ALL EXCAVATIONS SHALL BE KEPT FREE OF WATER.
5. CONTRACTOR SHALL REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL LOCATIONS OF TRENCHES, PITS, CONDUITS, ETC. NOT SHOWN ON STRUCTURAL DRAWINGS.
6. A SOIL BEARING CAPACITY MUST BE FIELD VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER.
7. IF SOIL OF THIS BEARING CAPACITY IS NOT ENCOUNTERED AT THE ELEVATIONS INDICATED ON THE CONTRACT DRAWINGS, FOOTINGS SHALL BE LOWERED OR INCREASED IN SIZE AS DIRECTED BY THE STRUCTURAL ENGINEER. ELEVATIONS SHOWN ON PLAN ARE TO THE BOTTOM OF THE FOOTINGS.

**SOIL BEARING**

1. DESIGN ALLOWABLE BEARING CAPACITY OF 1,500 PSF HAS BEEN ASSUMED IN STRUCTURAL FOUNDATION DESIGN

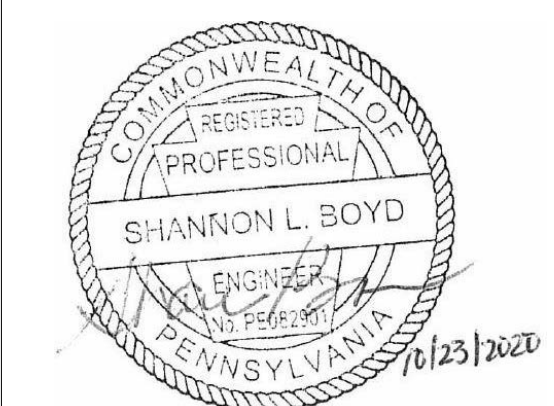
**REVISIONS**

ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Tara Rashed, 215-683-0252

**SEAL**



**PROJECT TEAM**  
**ARCHITECT:**  
JMT | ARCHITECTURE  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
1600 MARKET STREET, SUITE 520  
PHILADELPHIA, PA 19103  
267.256.0300 | WWW.JMT.COM

**STRUCTURAL ENGINEER:**  
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**SYSTEMS ENGINEER:**  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
1600 MARKET STREET, SUITE 520  
PHILADELPHIA, PA 19103  
267.256.0300 | WWW.JMT.COM

**CITY OF PHILADELPHIA**  
**DEPARTMENT OF PUBLIC PROPERTY**  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
GENERAL NOTES

<b>PROJECT NO.</b> 18-00355-001	<b>DRAWING NO.</b> <b>S0.1</b>
<b>DATE:</b> 10.23.2020	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> SB	

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

PERMIT SET 10/23/2020

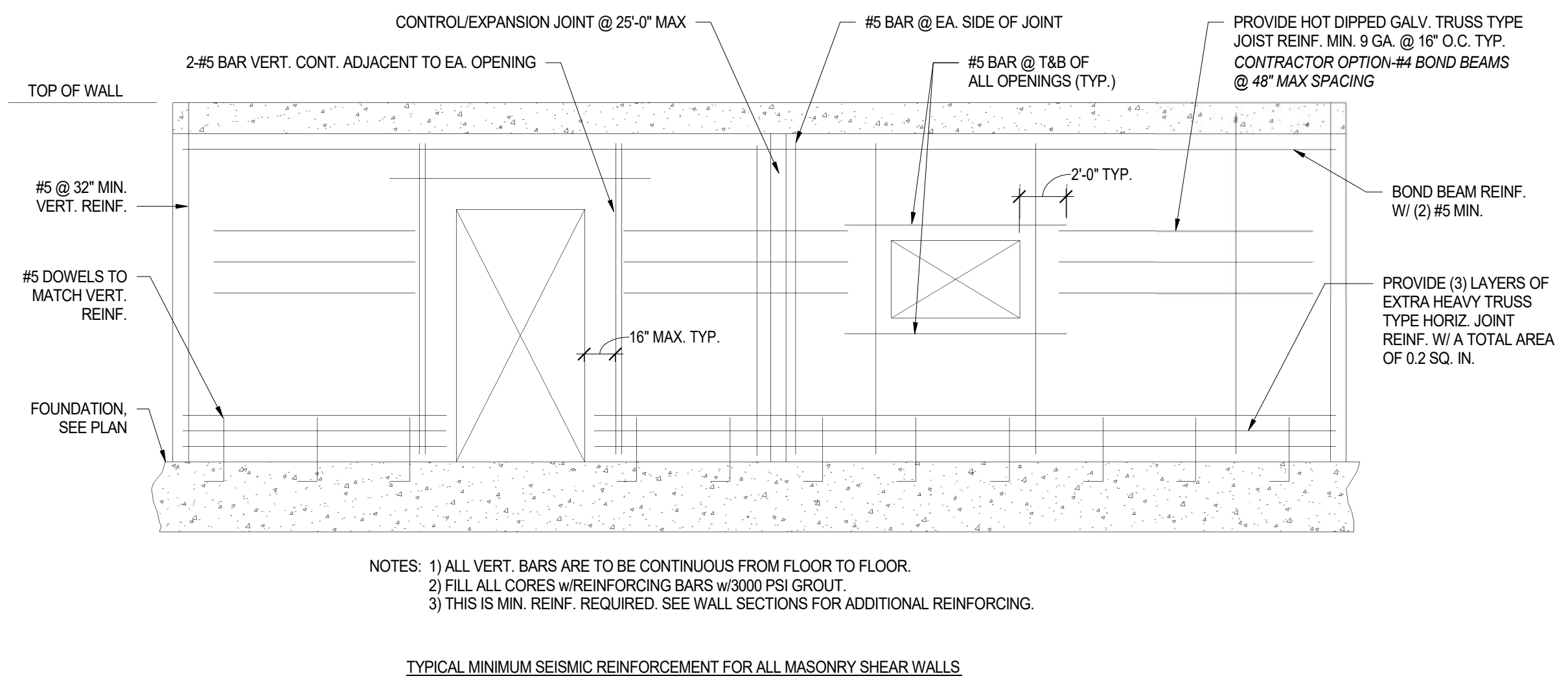




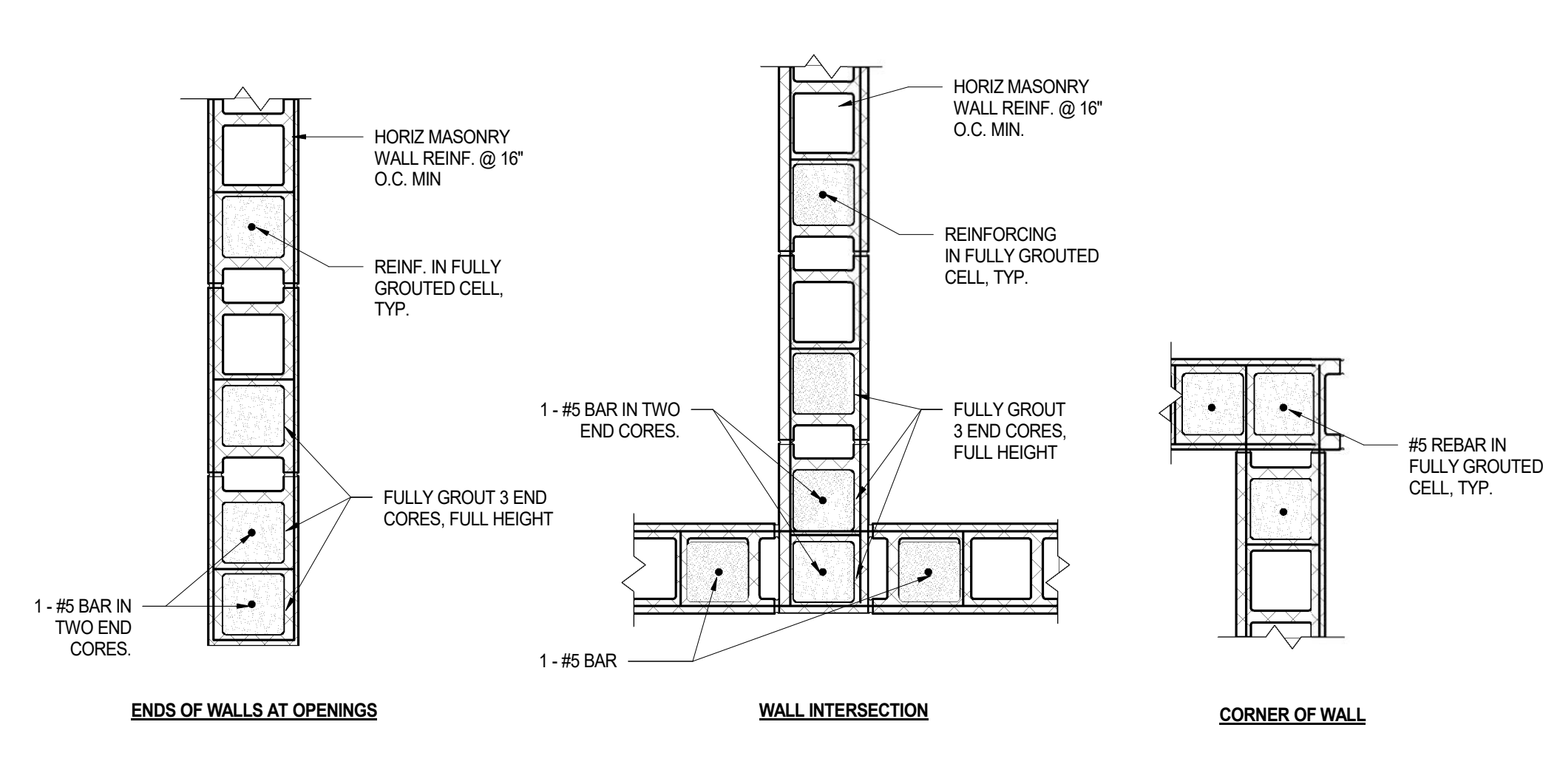




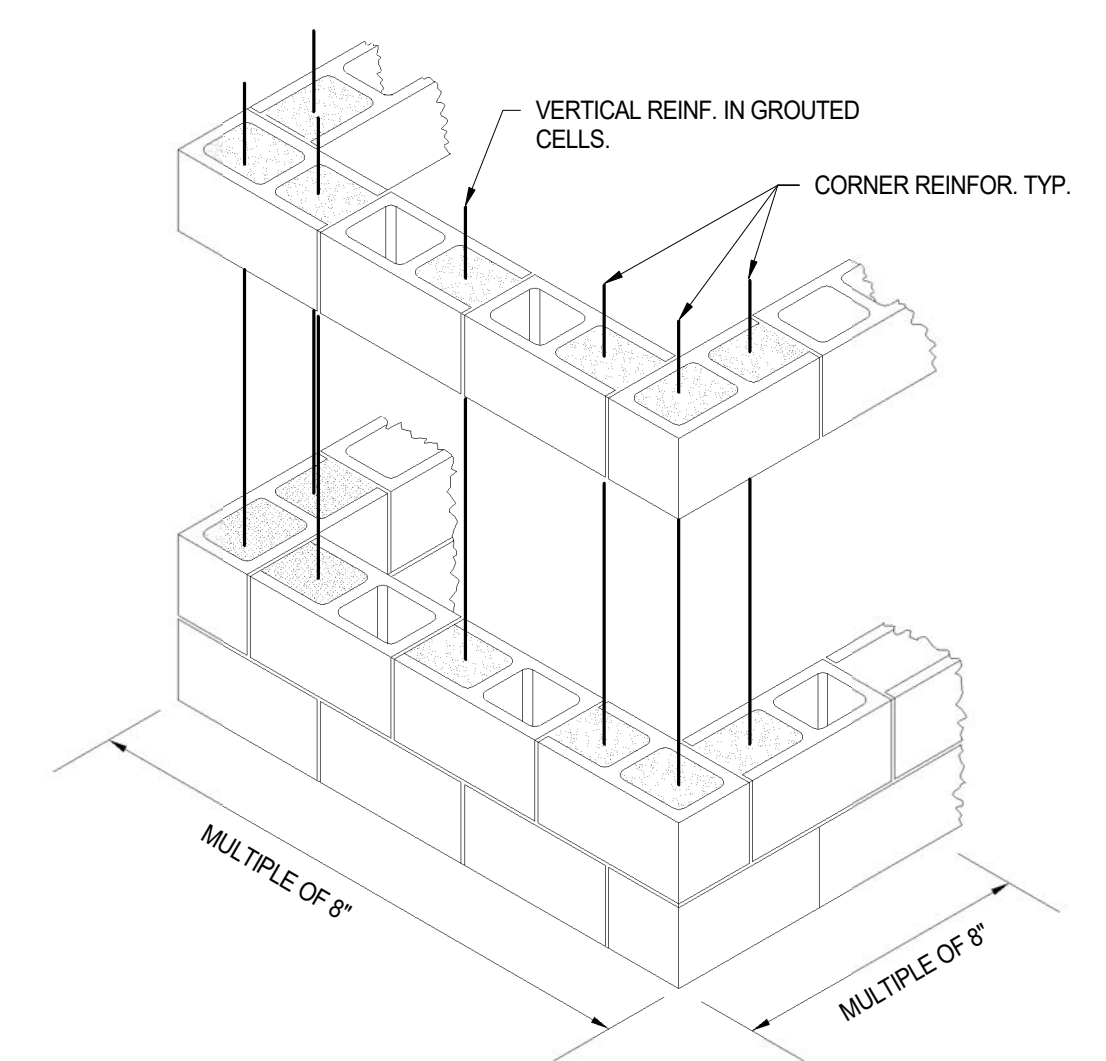




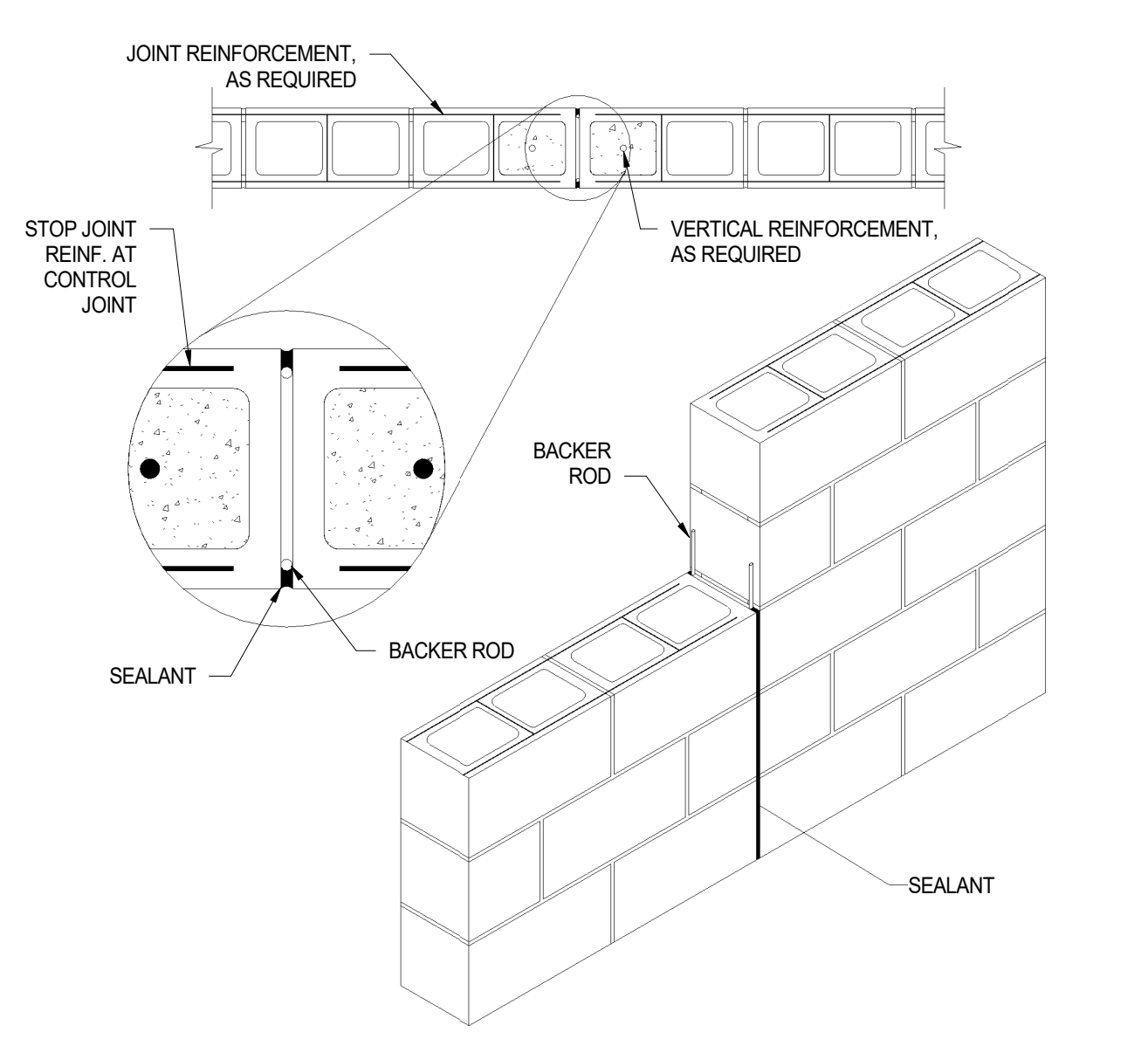
1 SS2 CMU - TYP. MIN. SEISMIC REINF. FOR ALL MASONRY SHEAR WALLS  
3/8" = 1'-0"



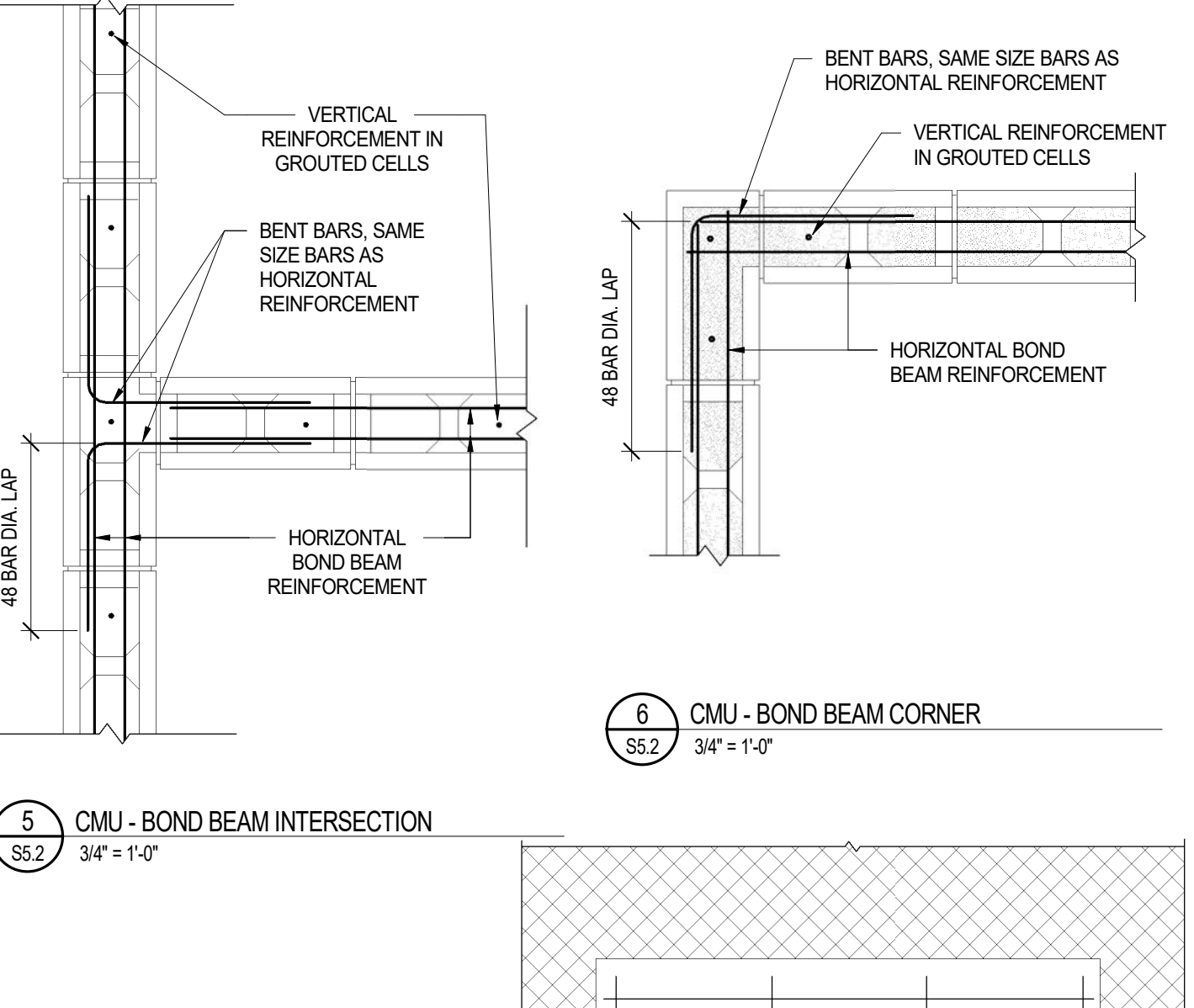
2 SS2 CMU - TYP. CMU WALL REINFORCING DETAILS  
1" = 1'-0"



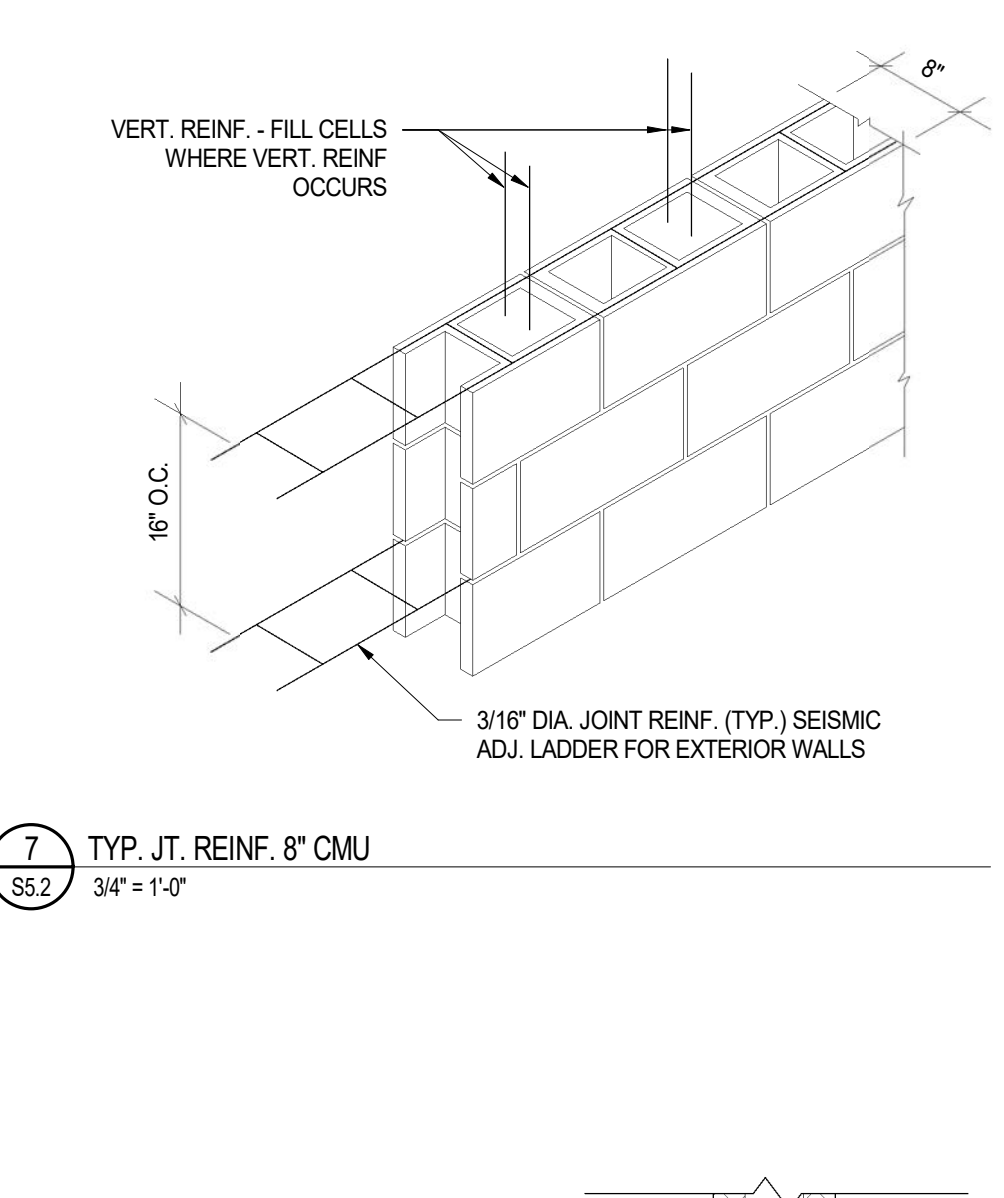
3 SS2 CMU - VERTICAL CORNER REINFORCING  
3/4" = 1'-0"



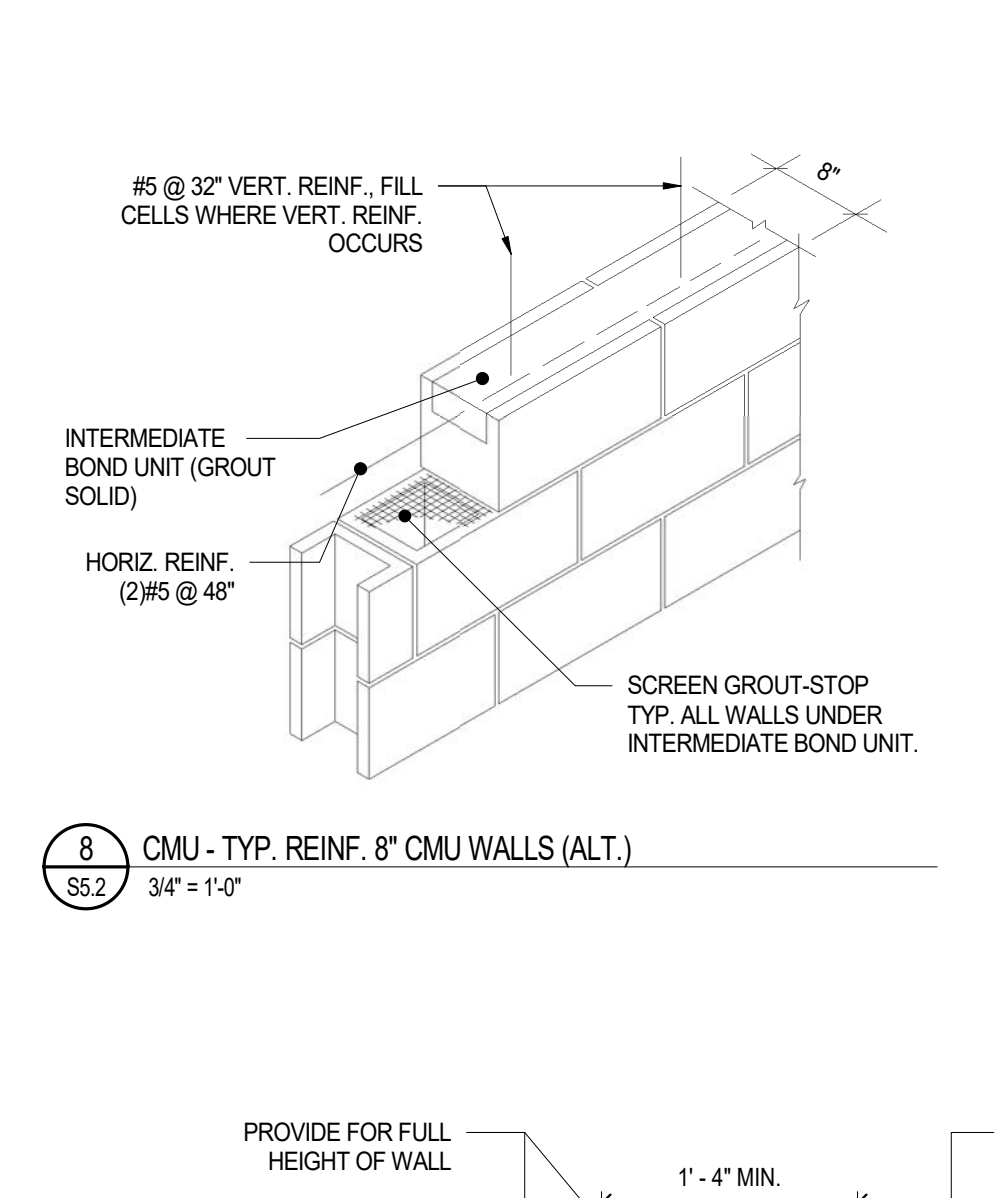
4 SS2 CMU - TYP. CONTROL JOINT  
3/4" = 1'-0"



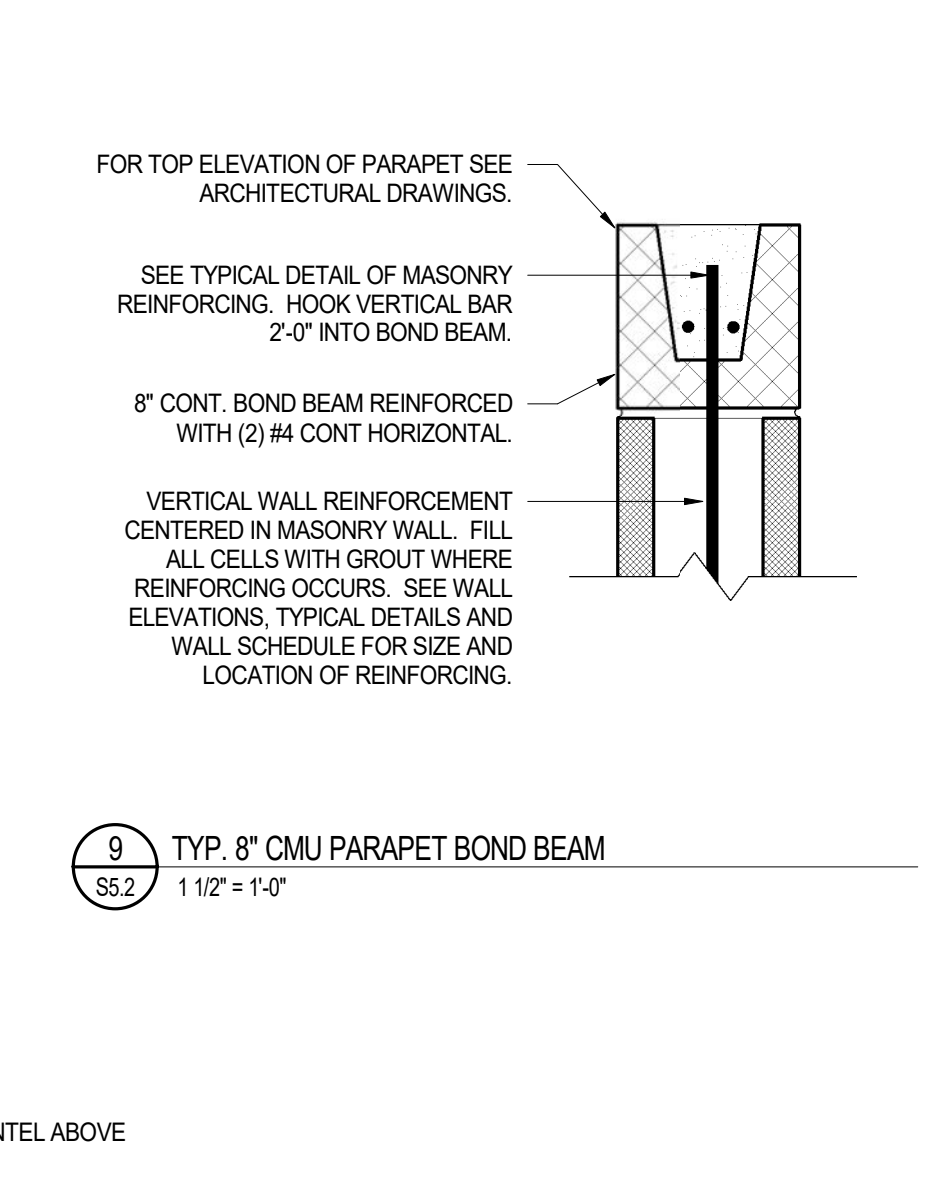
5 SS2 CMU - BOND BEAM INTERSECTION  
3/4" = 1'-0"



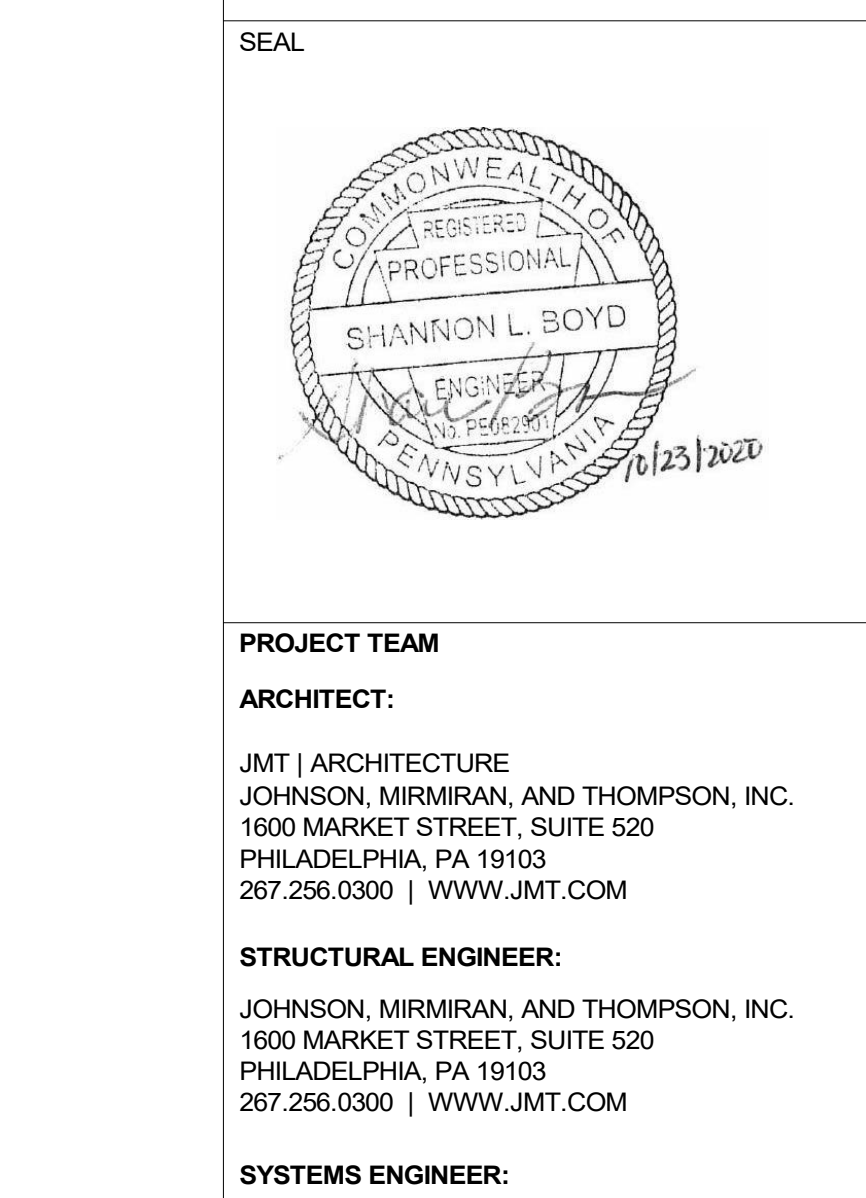
6 SS2 CMU - BOND BEAM CORNER  
3/4" = 1'-0"



7 SS2 TYP. JT. REINF. 8" CMU  
3/4" = 1'-0"



8 SS2 CMU - TYP. REINF. 8" CMU WALLS (ALT.)  
3/4" = 1'-0"



9 SS2 TYP. 8" CMU PARAPET BOND BEAM  
1 1/2" = 1'-0"

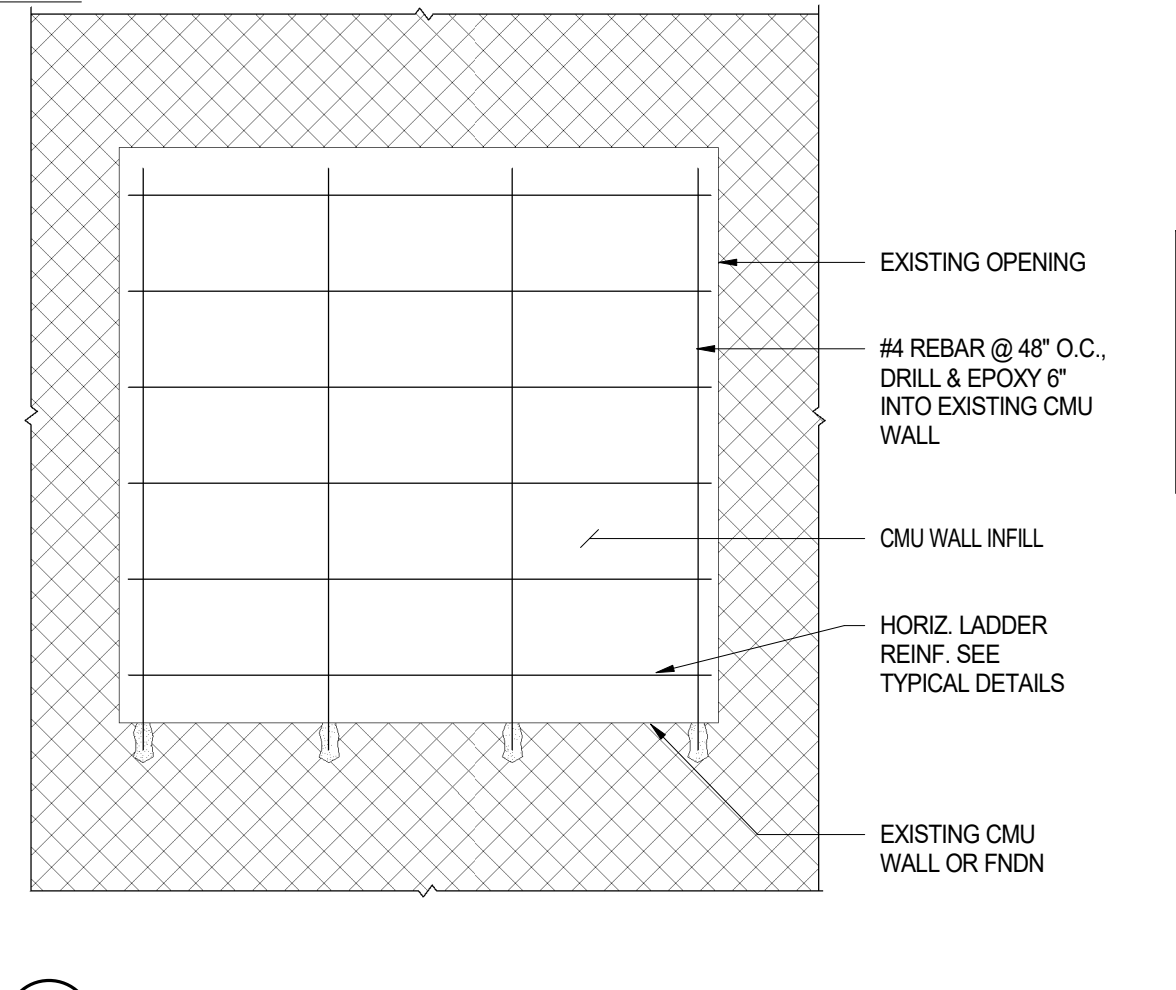
**BLOCK LINTEL SCHEDULE**

SPAN	8" WYTHE	12" WYTHE
0' TO 4'	2-#4 (8x8)	2-#4 (12x8)
4' TO 6'	2-#5 (8x8)	2-#5 (12x8)
6' TO 8'	1-#4 TOP 2-#5 BOT (8x16)	2-#4 TOP 2-#5 (12x16)
8' TO 10'	2-#4 TOP 2-#6 BOT (8x16)	2-#4 TOP 2-#7 (12x16)

**STEEL BEAM LINTEL SCHEDULE**

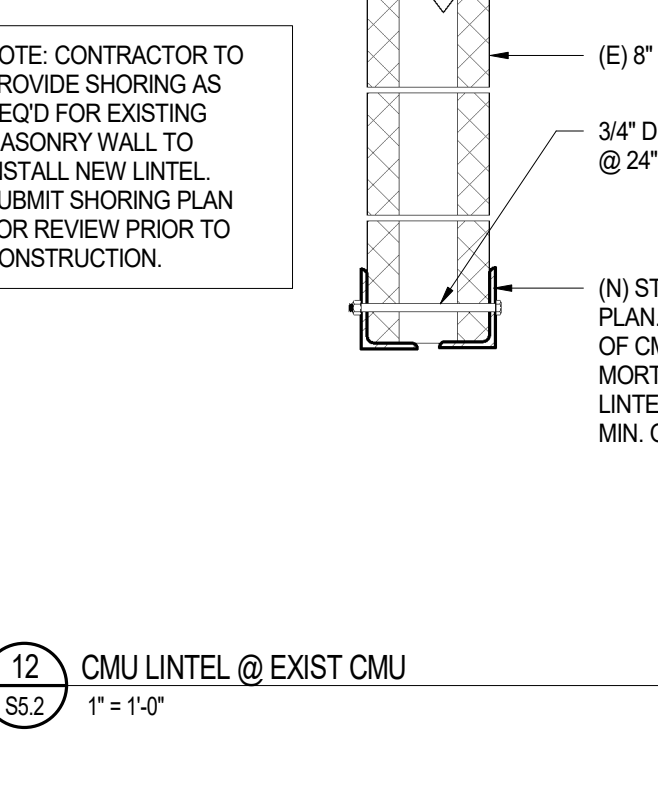
SPAN	BEAM
8' TO 10'	W8X24
10' TO 15'	W8X31

- NOTES:**
1. PROVIDE LINTELS, AS LISTED ABOVE, OVER ALL OPENINGS IN MASONRY WALLS, UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
  2. MINIMUM 8" END BEARING TO 8" SPAN. 16" MIN. ENDBEARING FROM 8" TO 15" SPAN. CELLS BEARED ON ARE TO BE REINFORCED WITH SIMILAR VERTICAL WALL REBAR AND TO BE GROUTED SOLID.
  3. BEAMS, LINTELS, SHELF ANGLES, ETC. SUPPORTING MASONRY SHALL BE TEMPORARILY BRACED AND/OR SHORED UNTIL MASONRY FOR ONE STORY (OR MORE, AS REQ'D. TO MAKE IT LATERALLY STABLE) HAS HARDENED.
  4. REINFORCING STEEL TO HAVE 3" MIN. BOTTOM COVER.
  5. IF THE DISTANCE BETWEEN TWO ADJACENT OPENINGS IS LESS THAN 2'-0", THE LINTEL IS TO SPAN OVER BOTH OPENINGS. THE SPAN SHALL BE THE SUM OF WIDTH OF BOTH OPENINGS AND THE DISTANCE BETWEEN THEM.

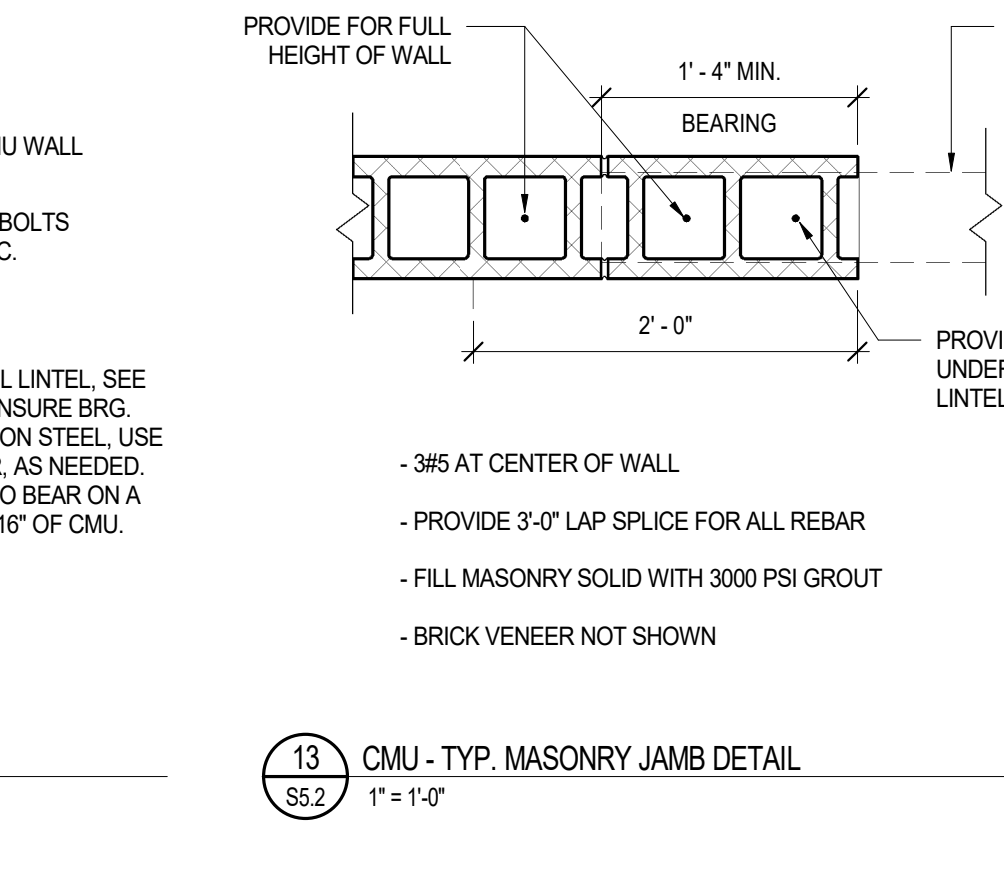


10 SS2 CMU - LINTEL SCHEDULE  
12" = 1'-0"

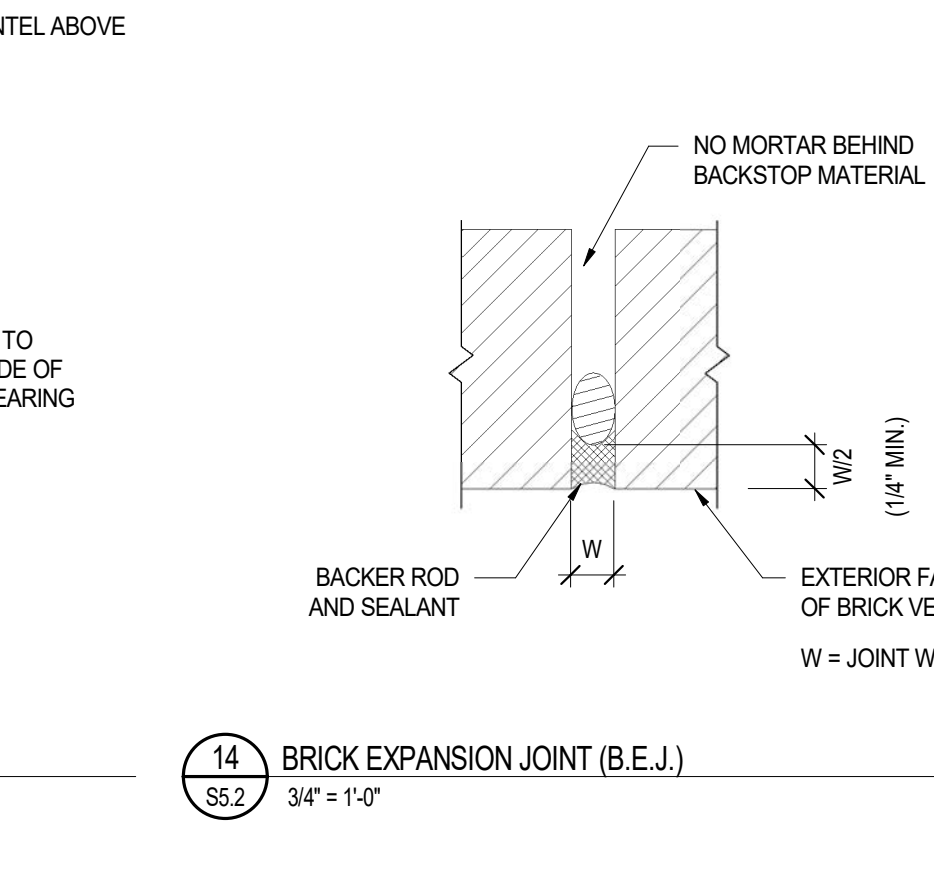
11 SS2 CMU - TYPICAL WALL INFILL  
3/8" = 1'-0"



12 SS2 CMU LINTEL @ EXIST CMU  
1" = 1'-0"



13 SS2 CMU - TYP. MASONRY JAMB DETAIL  
1" = 1'-0"

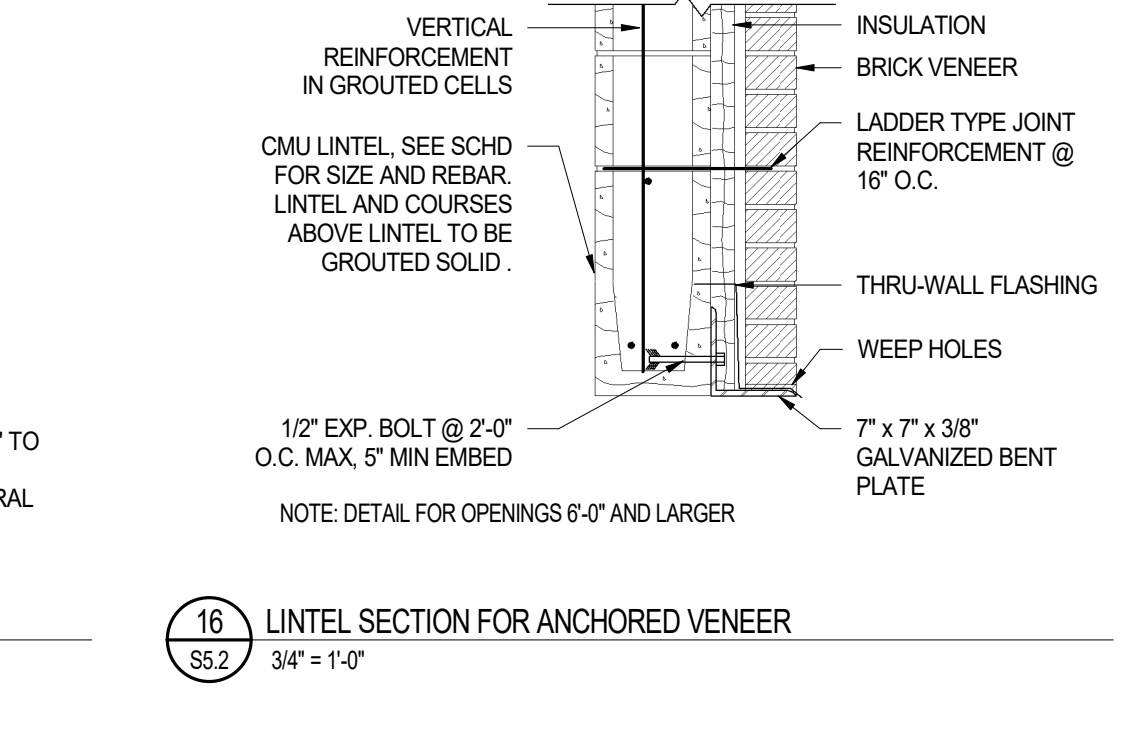


14 SS2 BRICK EXPANSION JOINT (B.E.J.)  
3/4" = 1'-0"

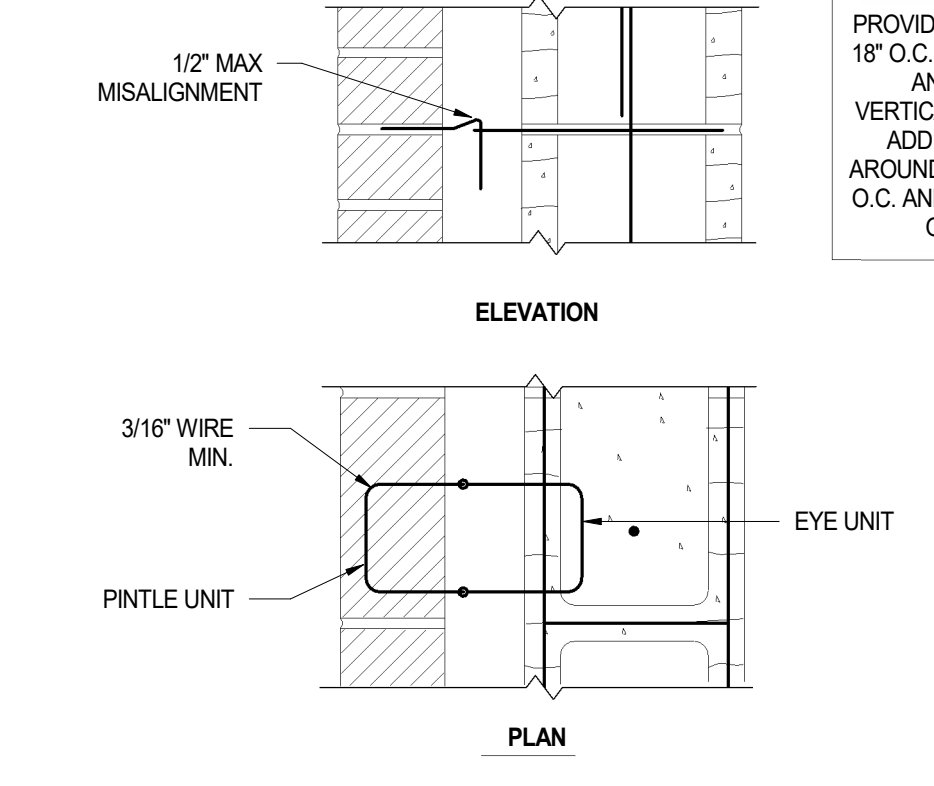
CLEAR OPENING	LOOSE LINTEL ANGLE	BEARING LENGTH
0'-0" TO 4'-0"	L4x4x5/16	4" MIN
4'-1" TO 6'-0"	L6x4x5/16	6" MIN

1. LOOSE LINTELS ARE INTENDED TO SUPPORT 4" BRICK VENEER ONLY.
2. ALL LOOSE LINTELS SHALL BE HOT DIPPED GALVANIZED
3. ALL LOOSE LINTELS SHALL BE INSTALLED WITH ITS LONG LEG VERTICAL (LLV) DO NOT LOCATE MASONRY CONTROL JOINTS WITHIN 2'-0" OF OPENINGS LARGER THAN 8'-0" TO ALLOW FOR ARCHING ACTION.
4. LOOSE LINTELS ARE NOT CALLED OUT ON THE FRAMING PLANS. REFER TO ARCHITECTURAL DRAWINGS FOR VENEER LOCATIONS.

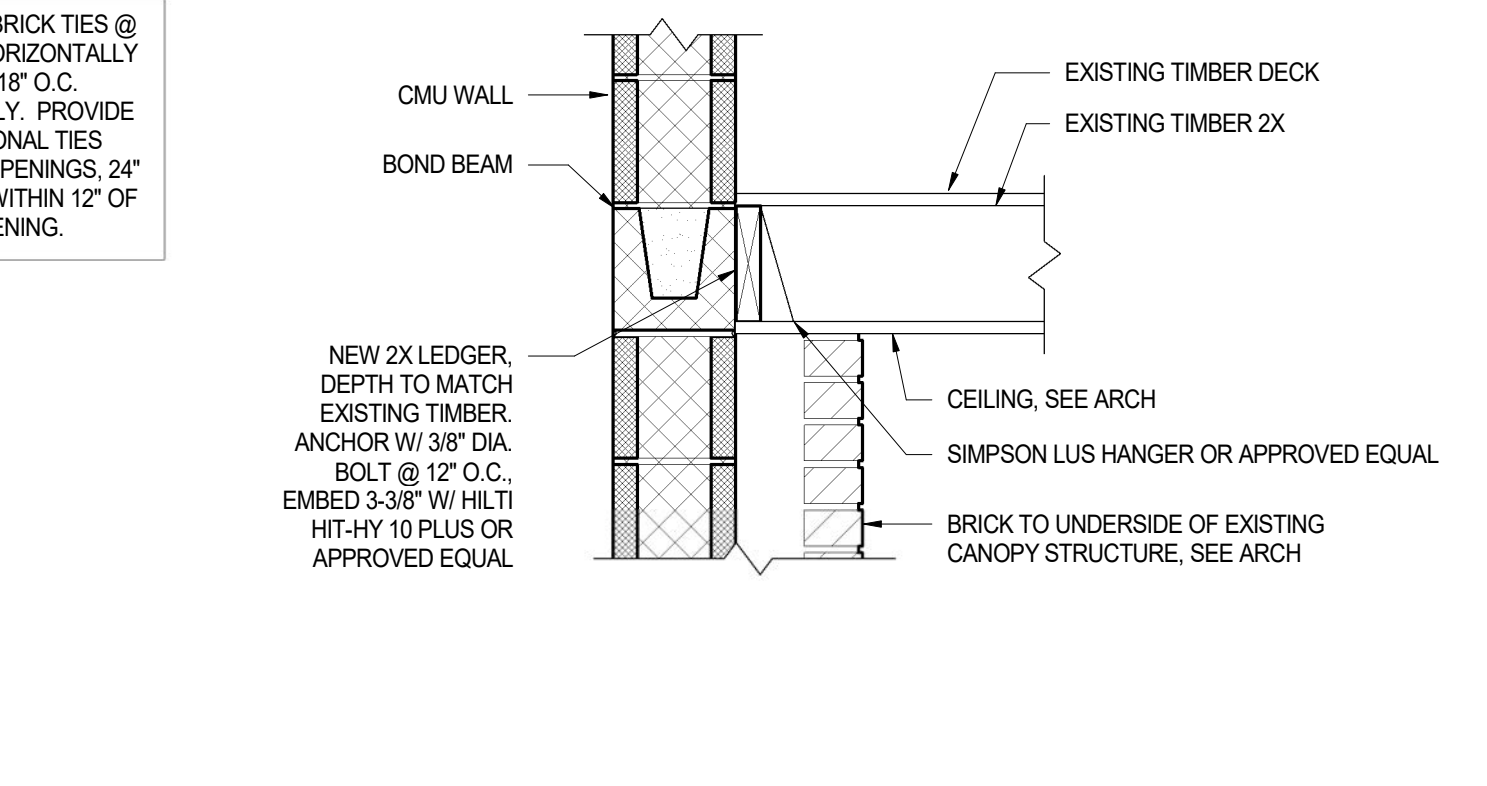
15 SS2 LOOSE LINTEL SCHEDULE  
3/4" = 1'-0"



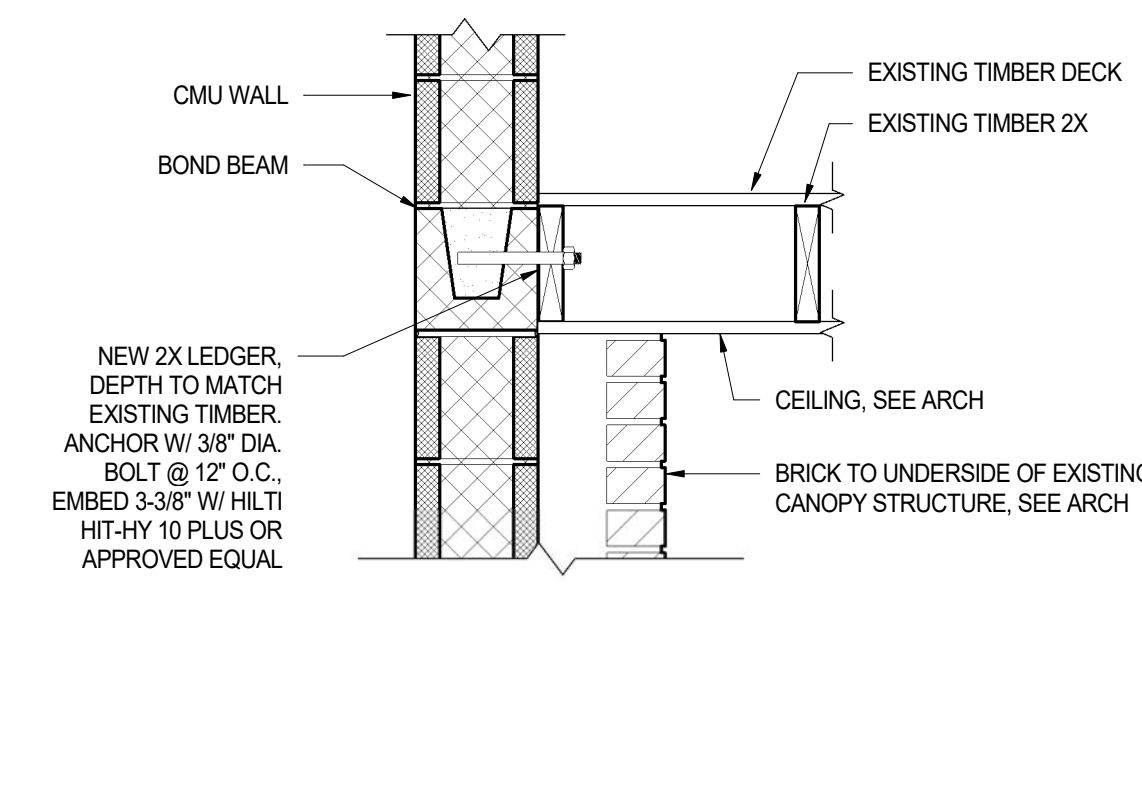
16 SS2 LINTEL SECTION FOR ANCHORED VENEER  
3/4" = 1'-0"



17 SS2 ADJUSTABLE TIES  
3/4" = 1'-0"



18 SS2 SECTION AT NEW STRUCTURE AT EXIST CANOPY I  
1" = 1'-0"



19 SS2 SECTION AT NEW STRUCTURE AT EXIST CANOPY II  
1" = 1'-0"

PERMIT SET 10/23/2020

REVISIONS

ISSUE	DATE	DESCRIPTION



PROJECT COORDINATOR  
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CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE  
NELSON PLAYGROUND

DRAWING TITLE  
TYPICAL DETAILS (CMU)

PROJECT NO.  
18-00355-001

DATE: 10.23.2020

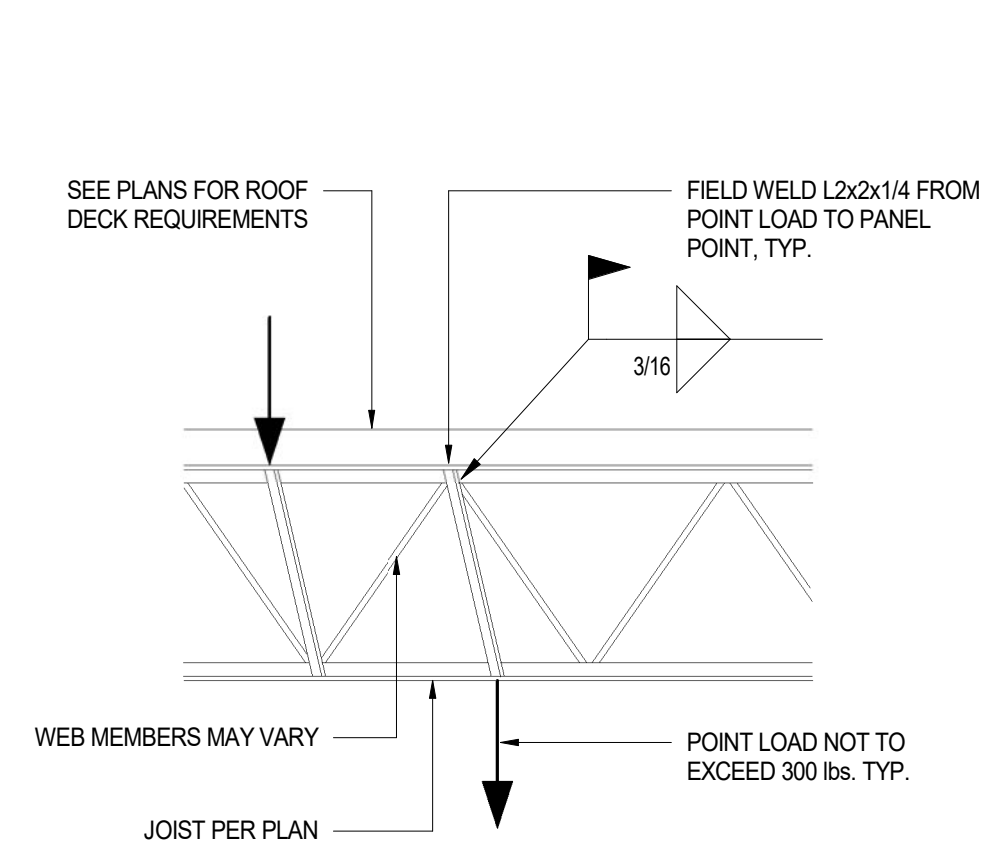
SCALE: AS NOTED

DRAWN BY: SB

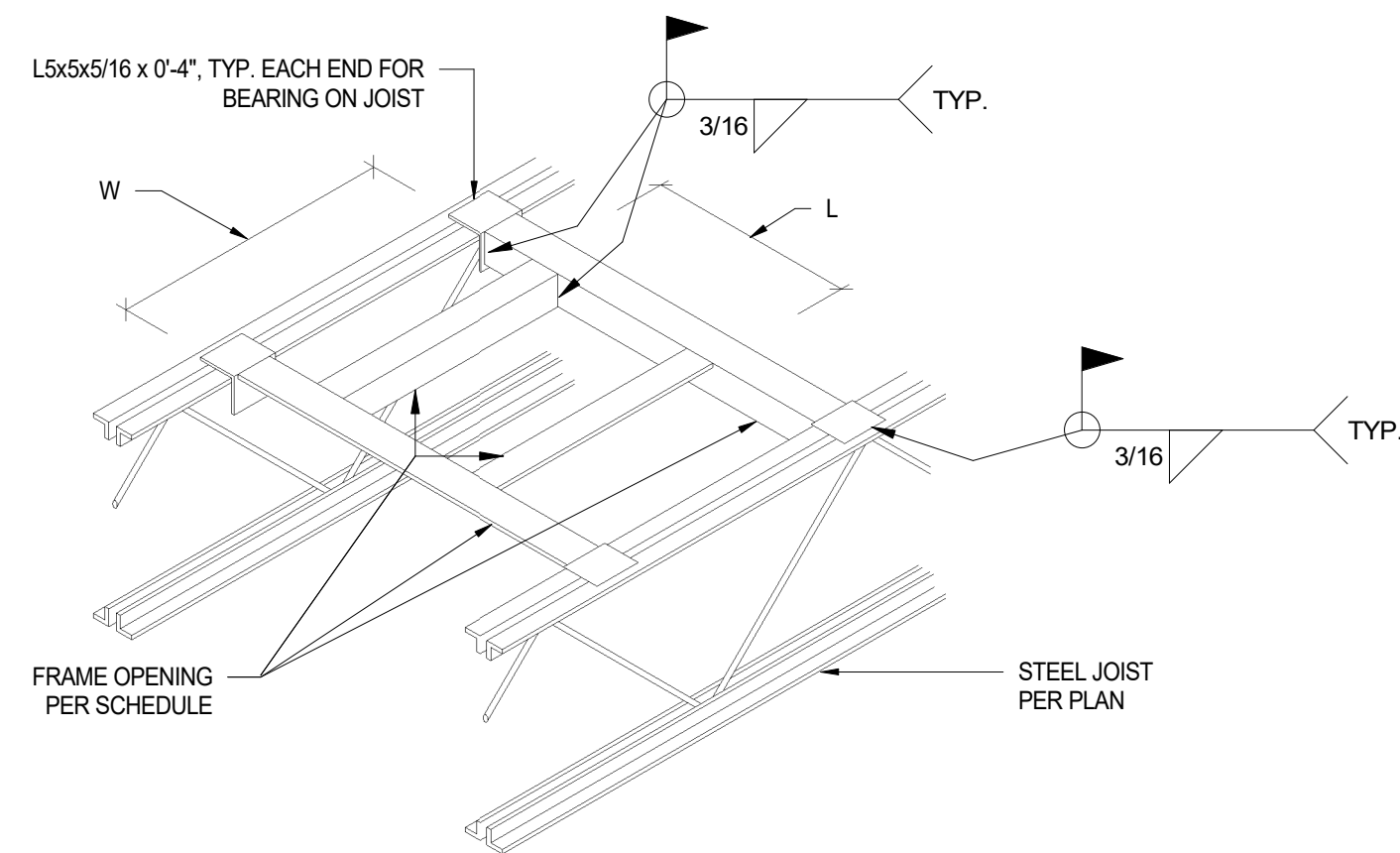
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NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

DRAWING NO.  
**S5.2**

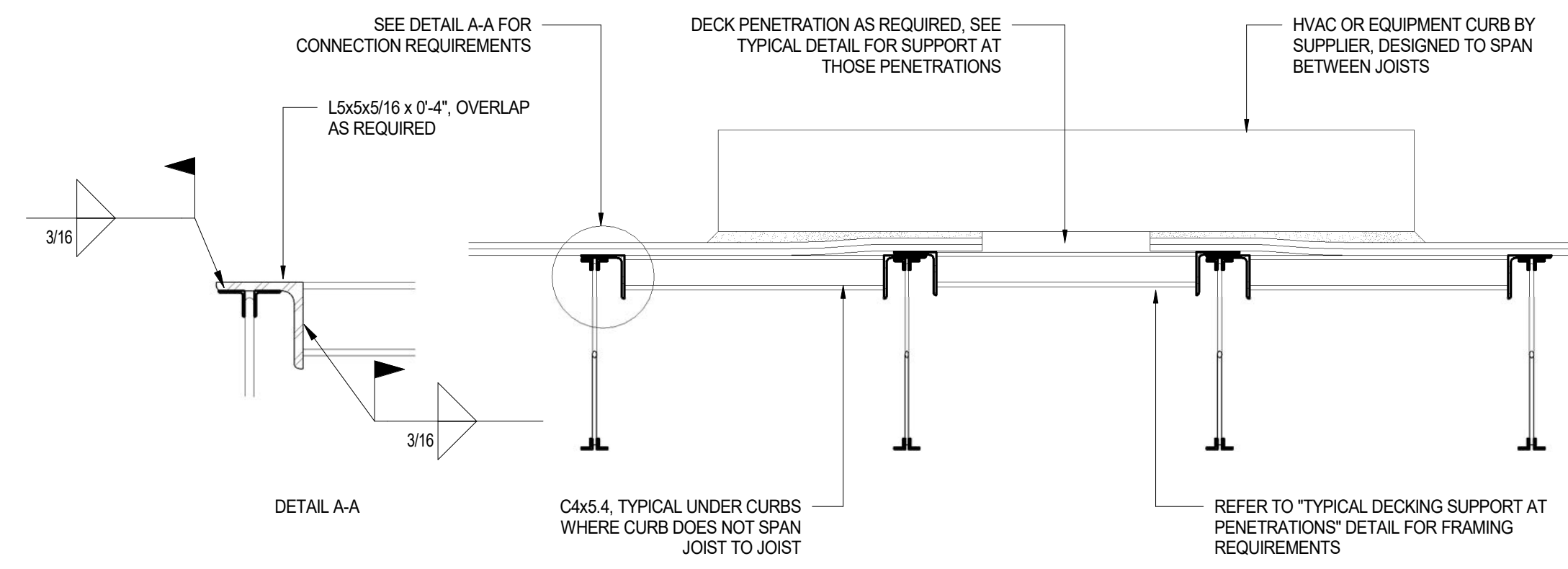


1 TYPICAL REINFORCEMENT AT POINT LOADS  
3/4" = 1'-0"

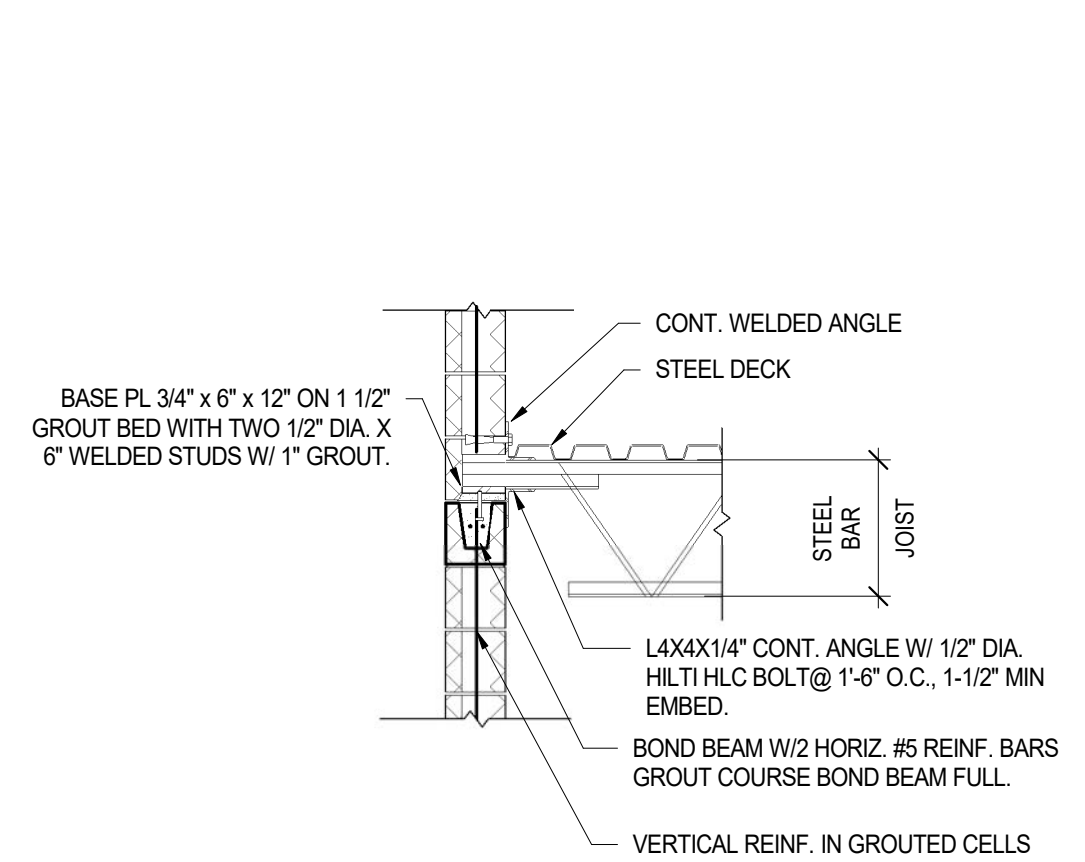


2 TYPICAL DECKING SUPPORT AT PENETRATIONS  
3/4" = 1'-0"

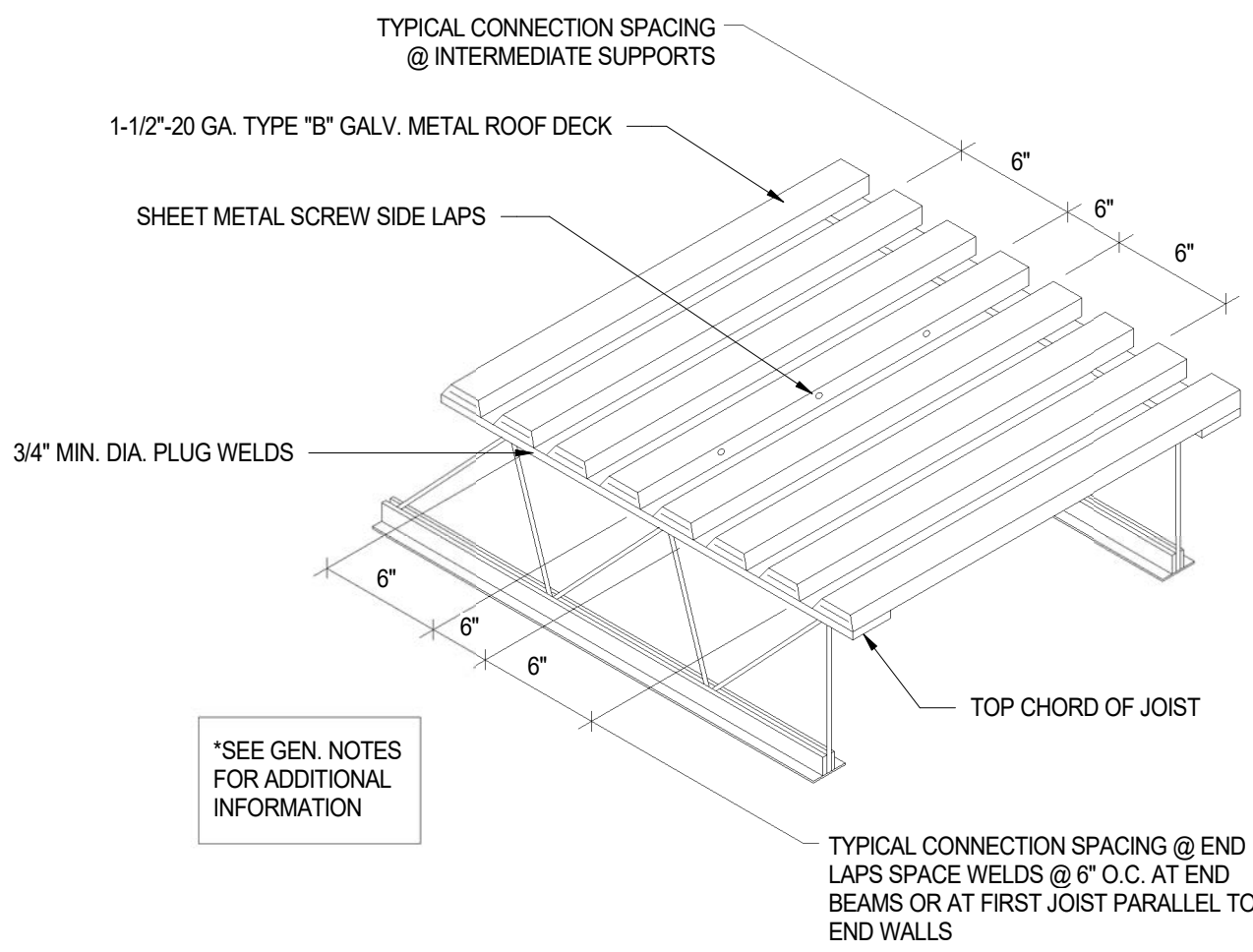
DECKING OPENING FRAMING SCHEDULE	
LENGTH "L" x WIDTH "W"	FRAMING AT SLAB EDGE
0 < L < 6' 0 < W < 6'	NO ADDITIONAL FRAMING REQUIRED
6' < L < 13' 6' < W < 13'	16 GAGE PLATE, MINIMUM OF 6" BEYOND EACH SIDE OF OPENING
13' < L < 4'-0" 13' < W < 4'-0"	L4x4x1/4"
4'-0" < L < 6'-6" 4'-0" < W < 9'-0"	L5x3x5/16"



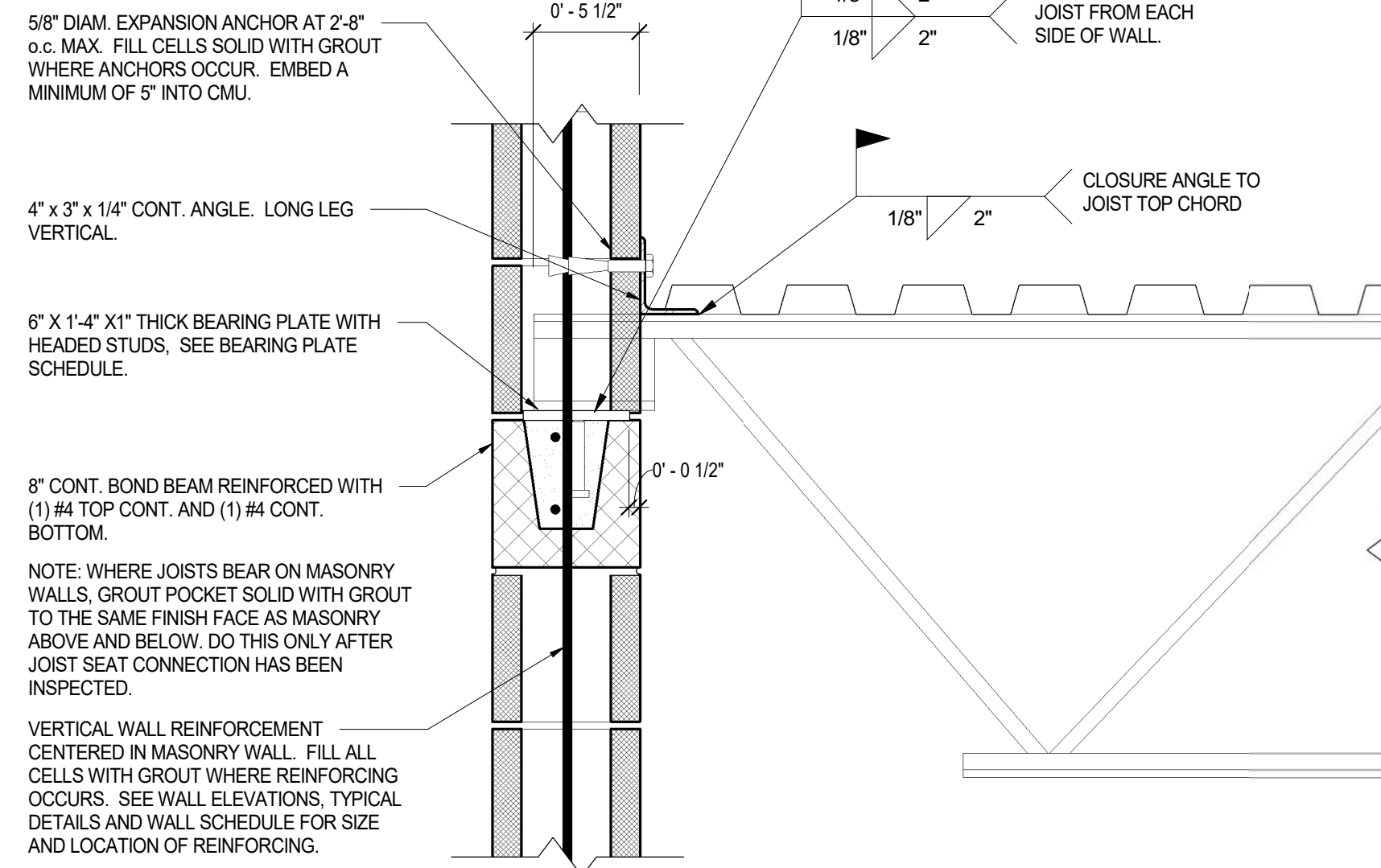
3 TYPICAL ROOF TOP EQUIPMENT SUPPORT  
3/4" = 1'-0"



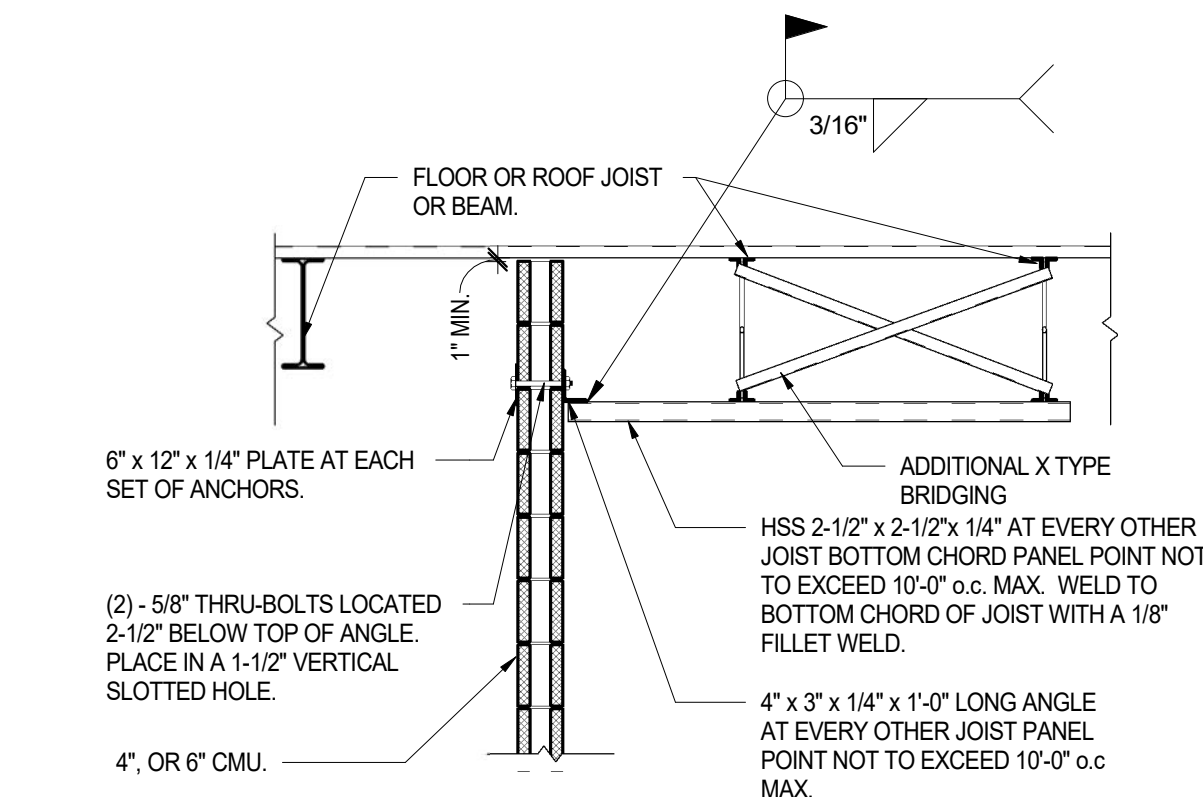
4 TYP. JOIST TO CMU FACE CONNECTION  
1/2" = 1'-0"



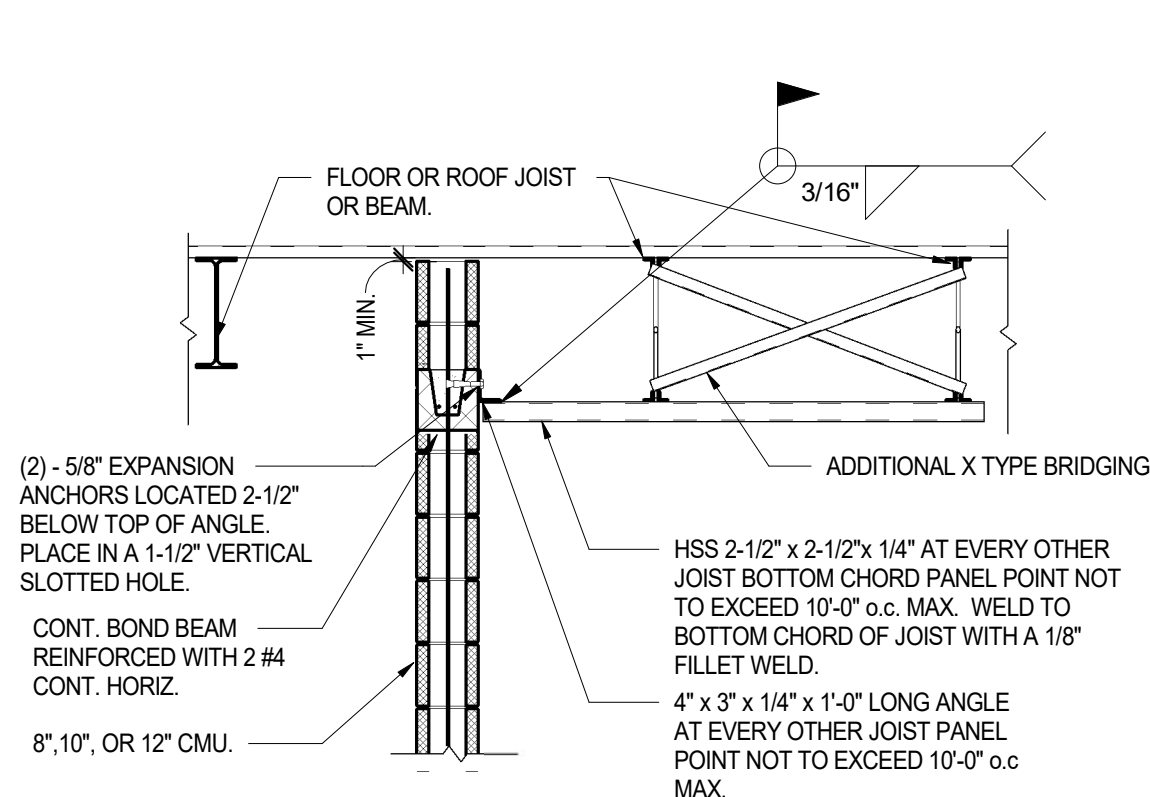
5 ROOF DECKING DETAILS  
3/4" = 1'-0"



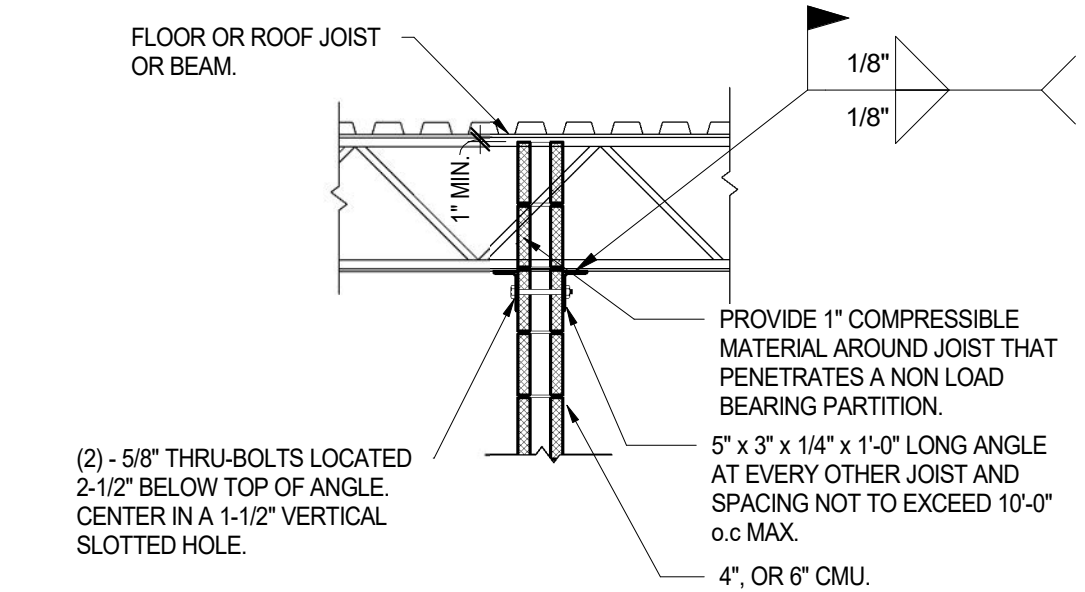
6 TYP. 8" CMU / JOIST CONNECTION (WHERE PARAPET OCCURS)  
1 1/2" = 1'-0"



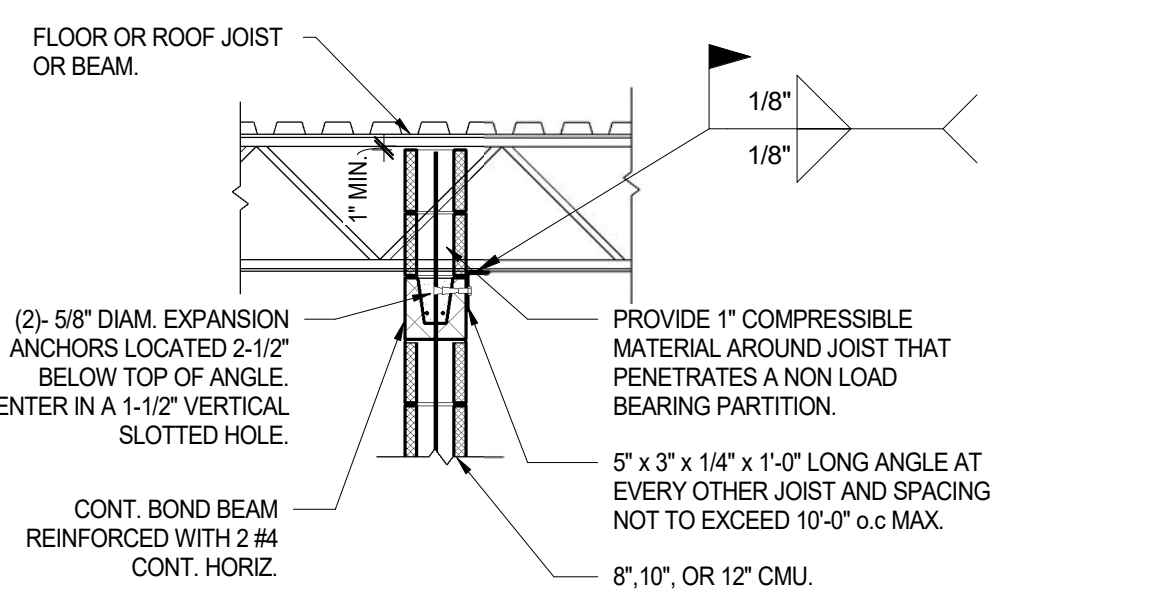
4" OR 6" PARTITION PARALLEL TO FRAMING ABOVE



8", 10", OR 12" PARTITION PARALLEL TO FRAMING ABOVE



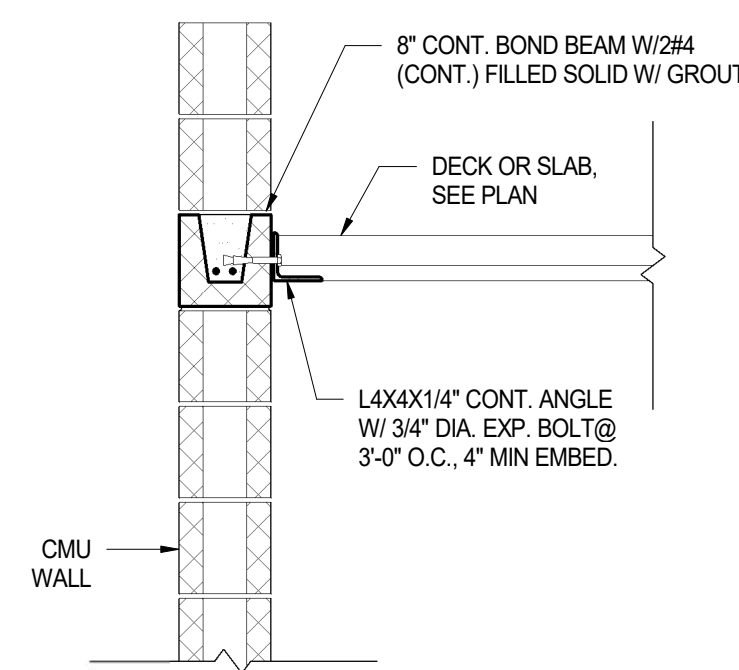
4" OR 6" PARTITION PERPENDICULAR TO FRAMING ABOVE



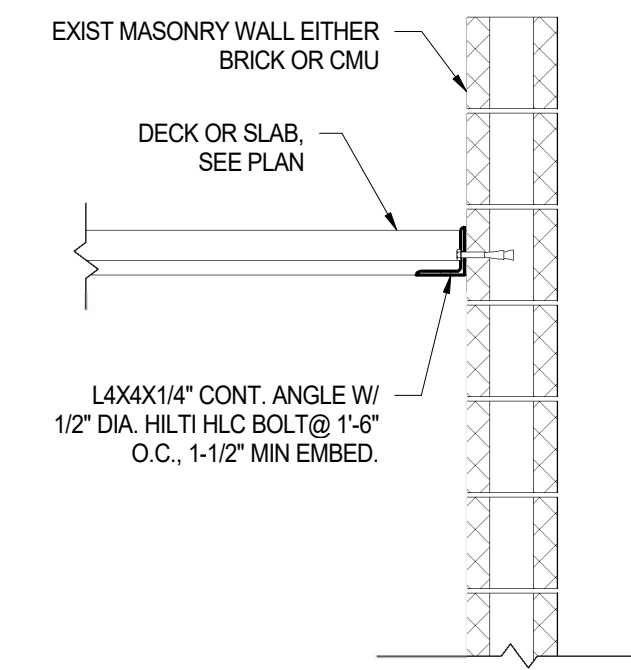
8", 10", OR 12" PARTITION PERPENDICULAR TO FRAMING ABOVE

GENERAL NOTES:  
1. PROVIDE BRACING AT A MAXIMUM SPACING OF 10'-0" O.C. USE A MINIMUM OF TWO PER WALL IN ANY ONE DIRECTION.  
2. DO NOT WELD ANGLE UNTIL ALL ROOF OR FLOOR DEAD LOAD IS IN PLACE.

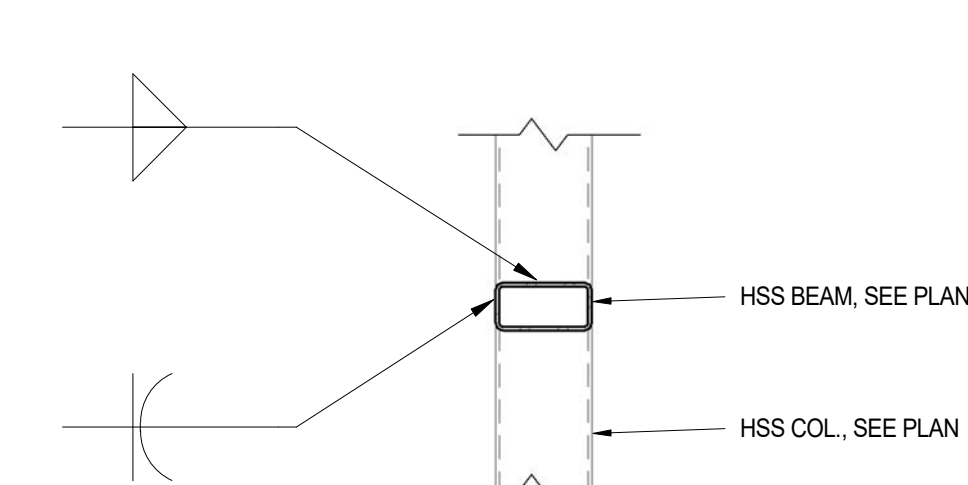
7 BRACING OF NON-LOAD BEARING MASONRY PARTITIONS  
1/2" = 1'-0"



8 DECK AT CMU WALL  
3/4" = 1'-0"



9 DECK AT EXIST MASONRY WALL  
3/4" = 1'-0"



10 TYP. FENCE POST/ BEAM CONN.  
1" = 1'-0"

REVISIONS		
ISSUE	DATE	DESCRIPTION



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and Department of Public Property  
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PROJECT TITLE  
NELSON PLAYGROUND

DRAWING TITLE  
TYPICAL DETAILS (JOIST AND DECK)

PROJECT NO. 18-00355-001	DRAWING NO. <b>S5.3</b>
DATE: 10.23.2020	SCALE: AS NOTED
DRAWN BY: SB	CHECKED BY: CR

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

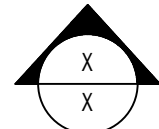
PERMIT SET 10/23/2020



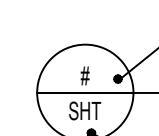
## DESIGNATIONS

### EQUIPMENT DESIGNATIONS

EF-	EXHAUST FAN
SF-	SUPPLY FAN
RH-	RANGE HOOD
EUH-	ELECTRIC UNIT HEATER
VR-	VARIABLE REFRIGERANT FLOW
DFC-	DUCTLESS FAN COIL
BRV-	BAROMETRIC RELIEF VENT



SECTION REFERENCE:  
(SEE DATA BELOW FOR DETAILS)



DETAIL = LETTER / SECTION = NUMBER

DRAWING TITLE

SCALE

SHEET NUMBER FROM WHICH THE  
PARTIAL SECTION, ELEVATION, OR  
DETAIL IS DRAWN



PLAN NORTH



NORTH ARROW

TRUE NORTH

## MECHANICAL LEGEND

SYMBOL	DESCRIPTION
∅	DIAMETER
●	POINT OF CONNECTION, NEW TO EXISTING
○	POINT OF DISCONNECTION FROM EXISTING
①	SYMBOL FOR SPECIFIC NOTE, NOTE APPLIES TO DRAWING ON WHICH IT OCCURS.
18"x12"	DUCT (FIRST FIGURE SIDE SHOWN)
D	DROP IN DIRECTION OF ARROW
U	RISE IN DIRECTION OF ARROW
SD	SMOKE DETECTOR
AD	AIR MEASURING DEVICE
AD	SUPPLY AIR DIFFUSER
AG	RETURN AIR GRILLE
AG	EXHAUST AIR GRILLE
F	FIRE DAMPER
F	SMOKE DAMPER
F/S	COMBINATION FIRE/SMOKE DAMPER
MVD	MANUAL VOLUME DAMPER
BDD	BACKDRAFT DAMPER
SRT	SQUARE TO ROUND DUCT TRANSITION
FC	FLEXIBLE CONNECTION
1"	DUCTWORK SOUND LINING, 1" THICK
AD	ACCESS DOOR
MO	MOTOR OPERATED DAMPER
DT	DUCT TRANSITION
RT	RECTANGULAR BRANCH TAKE-OFF
BM	BELL MOUTH BRANCH TAKE-OFF
RB	ROUND BRANCH TAKE-OFF
CD	CIRCULAR AIR DIFFUSER
CD	CIRCULAR DUCT DROP OFF BOTTOM
SA	SUPPLY AIR DEVICE WITH 2x2' LAY-IN PANEL
RA	RETURN AIR DEVICE WITH 2x2' LAY-IN PANEL
SA	SUPPLY AIR DEVICE WITH PLENUM AND 2x2' LAY-IN PANEL
RA	RETURN AIR DEVICE WITH PLENUM AND 2x2' LAY-IN PANEL
SR	SUPPLY/OUTSIDE AIR DUCT RISER
RR	RETURN AIR DUCT RISER
ER	EXHAUST/RELIEF AIR DUCT RISER
EV	ELBOW WITH DOUBLE THICKNESS TURNING VANES
RD	ROUND DUCT RISER
∅	DIAMETER

## GENERAL NOTES

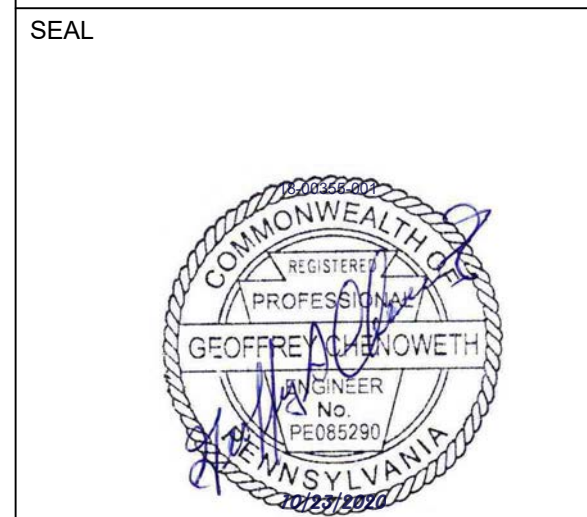
- WORK SHALL CONFORM TO THE CONTRACT DRAWINGS, SPECIFICATIONS AND THE LATEST APPLICABLE INTERNATIONAL MECHANICAL AND PLUMBING CODE AND THE NATIONAL ELECTRIC CODE AND THE PHILADELPHIA PLUMBING CODE. WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA 70, THE NATIONAL ELECTRICAL CODE, THE NATIONAL ELECTRICAL SAFETY CODE, OSHA AND NATIONAL SAFETY CODE REQUIREMENTS.
- THE SCOPE OF WORK INDICATED IN THESE DOCUMENTS SHALL INCLUDE MECHANICAL AND ELECTRICAL SYSTEMS, FULLY ADJUSTED, TESTED AND READY TO USE. PROVIDE ITEMS NECESSARY TO COMPLETE THE SYSTEMS. EXAMINE WORK INDICATED FOR TRADES IN ORDER TO DETERMINE THE EXTENT OF THE WORK REQUIRED TO BE COMPLETED.
- IT IS THE INTENTION OF THESE DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN "FURNISH AND INSTALL COMPLETE, TESTED AND READY FOR USE."
- THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW EVERY COMPONENT AND/OR ACCESSORY REQUIRED FOR A COMPLETE INSTALLATION. THE CONTRACTOR SHALL PROVIDE ITEMS NECESSARY FOR A PROPERLY WORKING SYSTEM IN COMPLIANCE WITH ACCEPTED INDUSTRY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- PRIOR TO BID, THE CONTRACTOR SHALL VISIT THE SITE AND IDENTIFY ITEMS THAT MAY AFFECT THEIR BID. PRIOR TO THE INSTALLATION, FABRICATION, REMOVAL, OR RELOCATION OF ANY WORK, THE CONTRACTORS SHALL REVIEW THE ACTUAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND SHALL COORDINATE WORK WITH THE PLANS, EXISTING EQUIPMENT AND SYSTEMS, BUILDING STRUCTURE AND WORK OF OTHER TRADES. WHERE CONFLICTS OCCUR, OR IF CONNECTIONS THERE TO CAN NOT BE MADE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO MATERIAL FABRICATION OR INSTALLATION.
- WHERE THE WORK OF VARIOUS TRADES WILL BE INSTALLED IN CLOSE PROXIMITY TO ONE ANOTHER OR WHERE THERE IS EVIDENCE THAT THE WORK OF ONE TRADE WILL INTERFERE WITH WORK OF ANOTHER, THE CONTRACTOR SHALL WORK OUT SPACE CONDITIONS TO MAKE A SATISFACTORY ADJUSTMENT. IF THE CONTRACTOR ALLOWS ONE TRADE TO INSTALL HIS WORK BEFORE COORDINATING WITH WORK OF OTHER TRADES THE CONTRACTOR SHALL MAKE NECESSARY CHANGES TO CORRECT THE CONDITIONS IN A MANNER ACCEPTABLE TO THE OWNER AND THE CONTRACTOR SHALL BEAR THE COST OF SUCH CORRECTIONS.
- THE CONTRACTOR SHALL LOCATE EQUIPMENT WHICH MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE POSITION. EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, VALVES, MOTORS, CONTROLLERS, DRAIN PANS, ETC. IF REQUIRED FOR ACCESSIBILITY, FURNISH ACCESS DOORS FOR THE PURPOSE. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ALLOW FOR BETTER ACCESSIBILITY.
- WORK IN OCCUPIED SPACE SHALL BE COORDINATED WITH THE OWNER. SHOULD ANY OUTAGES BE REQUIRED IN THE COURSE OF THIS PROJECT, THE CONTRACTOR SHALL COORDINATE SUCH OUTAGES WITH THE OWNER'S DESIGNATED REPRESENTATIVE, SCHEDULING ANY OUTAGES DURING THE NON WORKING HOURS, SO AS NOT TO EFFECT FACILITY OPERATIONS, 72 HOURS NOTICE WILL BE REQUIRED PRIOR TO ANY OUTAGE. NO OUTAGE MAY BE EXECUTED PRIOR TO APPROVAL OF THE OWNER'S DESIGNATED REPRESENTATIVE AND THE FACILITY MANAGER.
- THE CONTRACTOR SHALL LEAVE THE ENTIRE MECHANICAL SYSTEM INSTALLED UNDER THIS CONTRACT IN PROPER WORKING ORDER AND SHALL, WITHOUT CHARGE, REPLACE ANY WORK OR MATERIALS WHICH DEVELOP DEFECTS, EXCEPT FROM ORDINARY WEAR AND TEAR, WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL, DURING THE ONE YEAR WARRANTY PERIOD, BE RESPONSIBLE FOR PROPER REPAIR AND ADJUSTMENTS OF MECHANICAL SYSTEMS AND EQUIPMENT, APPARATUS, DEVICES ETC. INSTALLED BY HIM, AND DO WORK NECESSARY TO ENSURE EFFICIENT AND PROPER FUNCTIONING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL INCUR FINANCIAL RESPONSIBILITIES FOR, ANY DAMAGES CAUSED BY OR RESULTING FROM DEFECTS IN HIS WORK.
- WALL OPENINGS RESULTING FROM DEMOLITION SHALL BE CLOSED AND FINISHED TO MATCH EXISTING.
- FINISHES DAMAGED DURING THE PROJECTS SHALL BE REPAIRED TO MATCH EXISTING.

## GENERAL CONTROL NOTES

- THESE CONTROL DRAWINGS INDICATE SYSTEMS TO BE CONTROLLED BY STANDALONE MEANS AS WELL AS INTENDED SEQUENCES OF OPERATION.
- CONTROL SUBMITTALS SHALL INCLUDE SYSTEM SCHEMATICS, WIRING DIAGRAMS AND CONTROL LOGIC TO BE USED TO ACHIEVE INTENDED SEQUENCES OF OPERATION. SIMPLY REPRODUCING SEQUENCES AS PROVIDED IN THESE DRAWINGS WILL NOT BE ACCEPTABLE.
- UNLESS OTHERWISE NOTED, MECHANICAL EQUIPMENT SHOWN HEAVY SOLID ( ) SHALL BE NEW WORK AND MECHANICAL EQUIPMENT SHOWN LIGHT SOLID ( ) SHALL BE EXISTING.
- CONTROL DEVICES SHALL BE INSTALLED IN BOTH NEW AND EXISTING PIPING AND DUCT. COORDINATE WITH MECHANICAL CONTRACTOR TO PROVIDE NECESSARY FITTINGS AND ACCESSORIES.
- SYSTEMS ARE COMPOSED OF NEW AND EXISTING PIPING AND DUCT. COORDINATE WITH PLANS (M-100'S) AND SCHEMATICS (M-200'S).
- POINTS LISTS SHALL BE DEVELOPED BY THE CONTROLS SUPPLIER, BASED ON THE SCHEMATICS AND SEQUENCES PROVIDED HERE, AND SUBMITTED TO THE ENGINEER FOR REVIEW.
- LOW VOLTAGE AND LINE VOLTAGE POWER FOR CONTROL SYSTEMS AND EQUIPMENT SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE WITH ELECTRICAL CONTRACTOR FOR ACCESS TO POWER.
- ADDRESSABLE DEVICES BEING CONNECTED TO THE FIRE ALARM SYSTEM SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR. SUCH DEVICES ARE SHOWN HERE FOR INDICATION OF CONTROL INTERLOCKS.
- THE EQUIPMENT CONTROLS SHALL BE FULLY INSTALLED, CALIBRATED AND ADJUSTED TO PROVIDE ACCURATE AND STABLE SYSTEM OPERATION. CONTROLLED PARAMETERS SHALL BE MAINTAINED WITHIN ACCEPTABLE RANGES AND PID TUNING SHALL BE PERFORMED TO PROVIDE STABLE OPERATION WITHIN 5 MINUTES OF A PARAMETER CHANGE. THE ENGINEER AND/OR COMMISSIONING AUTHORITY WILL EVALUATE THE SYSTEM TO VERIFY THAT PROPER INSTALLATION AND SYSTEM SETUP/TUNING HAS BEEN PERFORMED ONLY AFTER WRITTEN DOCUMENTATION FROM THE CONTRACTOR HAS BEEN SUBMITTED INDICATING THAT THE CONTROL, INSTALLATION AND SETUP IS COMPLETE. AS THIS IS A PHASED PROJECT, INDIVIDUAL SYSTEMS WILL BE COMPLETED SEPARATELY.
- VARIABLE FREQUENCY DRIVES SHALL BE HARD WIRED FOR START/STOP, SPEED, STATUS AND SHALL BE USED FOR FINAL FAN BALANCING.
- ACTUATORS, VARIABLE FREQUENCY DRIVES (MOTOR CURRENT), TEMPERATURE SENSORS, HUMIDITY SENSORS AND CURRENT SENSORS SHALL PROVIDE ANALOG INPUTS TO THE CONTROL SYSTEM.
- VALVE AND DAMPER ACTUATORS ARE NOTED WITH "NO" AND "NC" FOR NORMALLY OPEN AND NORMALLY CLOSED, INDICATING SPRING RETURN ORIENTATION.
- WHERE ADJUSTABLE TEMPERATURE SETPOINTS ARE NOT IDENTIFIED, A +/- 2°F DEADBAND (ADJUSTABLE) SHALL BE PROVIDED.
- ALL SETPOINTS, RESET SCHEDULES AND DEADBANDS IDENTIFIED HEREIN SHALL BE ADJUSTABLE BY THE BUILDING OPERATOR THROUGH THE USER INTERFACE ASSOCIATED WITH EACH SYSTEM.
- SETPOINT SHALL BE DEFINED AS A PERFORMANCE STANDARD FOR A COMPONENT OR SYSTEM UNDER CONTROL, WHICH IS ESTABLISHED BY THE CONTROL SYSTEM USER. TYPICALLY, A SETPOINT IS DEFINED WITH AN ACCEPTABLE DEADBAND, TO ALLOW THE MECHANICAL OR ELECTRICAL SYSTEM THE OPPORTUNITY TO DAMPEN OR ELIMINATE EXCESSIVE START/STOP OR OSCILLATION OF THE EQUIPMENT.
- DEADBAND IS THE ACCEPTABLE RANGE ASSOCIATED WITH THE SETPOINT, IN WHICH THE CONTROL SYSTEM IS SATISFIED WITH NO MECHANICAL OR ELECTRICAL SYSTEM MODULATION NECESSARY FROM THE CONTROL SYSTEM. TYPICALLY, A DEADBAND IS EXPRESSED AS A + AND - RANGE AROUND THE NUMERICAL VALUE OF THE SETPOINT.
- CONTROL SYSTEM PERFORMANCE SHALL BE MEASURED BY THE ENGINEER AND/OR COMMISSIONING AUTHORITY, AND SHALL BE DEFINED AS THE ABILITY OF THE CONTROL SYSTEM TO MEET THE ESTABLISHED SETPOINT WITHIN THE ALLOWABLE DEADBAND WITH STABLE PARAMETER (I.E. TEMPERATURE, POSITION, ETC.) PERFORMANCE. THE CONTROL SYSTEM INSTALLER SHALL PERFORM PROPER LOOP TUNING, IN WHICH THE PROPORTIONAL AND INTEGRAL SETTINGS OF THE CONTROL LOGIC ARE ESTABLISHED WITH THE ACTUAL SYSTEM IN OPERATIONS, TO ACHIEVE THE STABLE PERFORMANCE. THE CONTROL SYSTEM INSTALLER SHALL ALSO ACCEPT THAT EACH CONTROL LOOP SHALL BE TUNED WITH RESPECT TO BOTH UPSTREAM AND DOWNSTREAM CONTROL LOOPS, WHICH MAY AFFECT TUNING REQUIRED TO ACHIEVE THE REQUIRED PERFORMANCE AND STABILITY.



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CITY OF PHILADELPHIA  
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**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
MECHANICAL SYMBOLS, NOTES,  
AND ABBREVIATIONS

<b>PROJECT NO.</b> 18-00355-001	<b>DRAWING NO.</b> <b>M0.01</b>
<b>DATE:</b> 10.23.2020	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MMB	
<b>CHECKED BY:</b> GSC	<b>FILE:</b>

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

## ABBREVIATIONS

@	AT	KW	KILOWATTS
ABV	ABOVE	LBS	POUNDS
ACV	AUTOMATIC CONTROL VALVE	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
AD	ACCESS DOOR	MECH	MECHANICAL
BDD	BACKDRAFT DAMPER	MOD	MOTOR OPERATED DAMPER
BLDG	BUILDING	MVD	MANUAL VOLUME DAMPER
BLW	BELOW	NC	NOISE CRITERIA OR NORMALLY CLOSED
BTU/HR	BRITISH THERMAL UNITS PER HOUR	NIC	NOT IN CONTRACT
C	COMMON	OA	OUTDOOR AIR
CFM	CUBIC FEET PER MINUTE	OED	OPEN END DUCT WITH 1/2" FRAMED WIRE MESH SCREEN
CLG	CEILING	%	PERCENT
CONN	CONNECT, CONNECTION	PH	PHASE
CK	CONNECT TO EXISTING	PSI	POUNDS PER SQUARE INCH POUNDS
D	SUPPLY AIR DIFFUSER OR DEEP, DEPTH	PUH	PROPELLER UNIT HEATER
DESIG	DESIGNATION	R	RETURN/EXHAUST/SUPPLY AIR REGISTER
DIA, Ø	DIAMETER	RA	RETURN AIR
DN	DOWN	RLA	RUNNING LOAD AMPERES
EA	EXHAUST AIR	RPM	REVOLUTIONS PER MINUTE
EF	EXHAUST FAN	RX	REMOVE EXISTING
ELEC	ELECTRIC	SA	SUPPLY AIR
EXIST'G	EXISTING	SF	SUPPLY FAN OR SQUARE FEET
EXH	EXHAUST	△	
ETR	EXISTING TO REMAIN	T	TEMPERATURE DROP
*F	DEGREES FAHRENHEIT	TEMP, T	TEMPERATURE
FT, '	FOOT, FEET OR FLASH TANK	UH	UNIT HEATER
G	NATURAL GAS PIPE OR RETURN/EXHAUST GRILLE	V	VOLTS, VACUUM PIPE
H	HIGH, HEIGHT	W	WIDTH
IN, "	INCH, INCHES	W	WIDTH
		WI	WITH

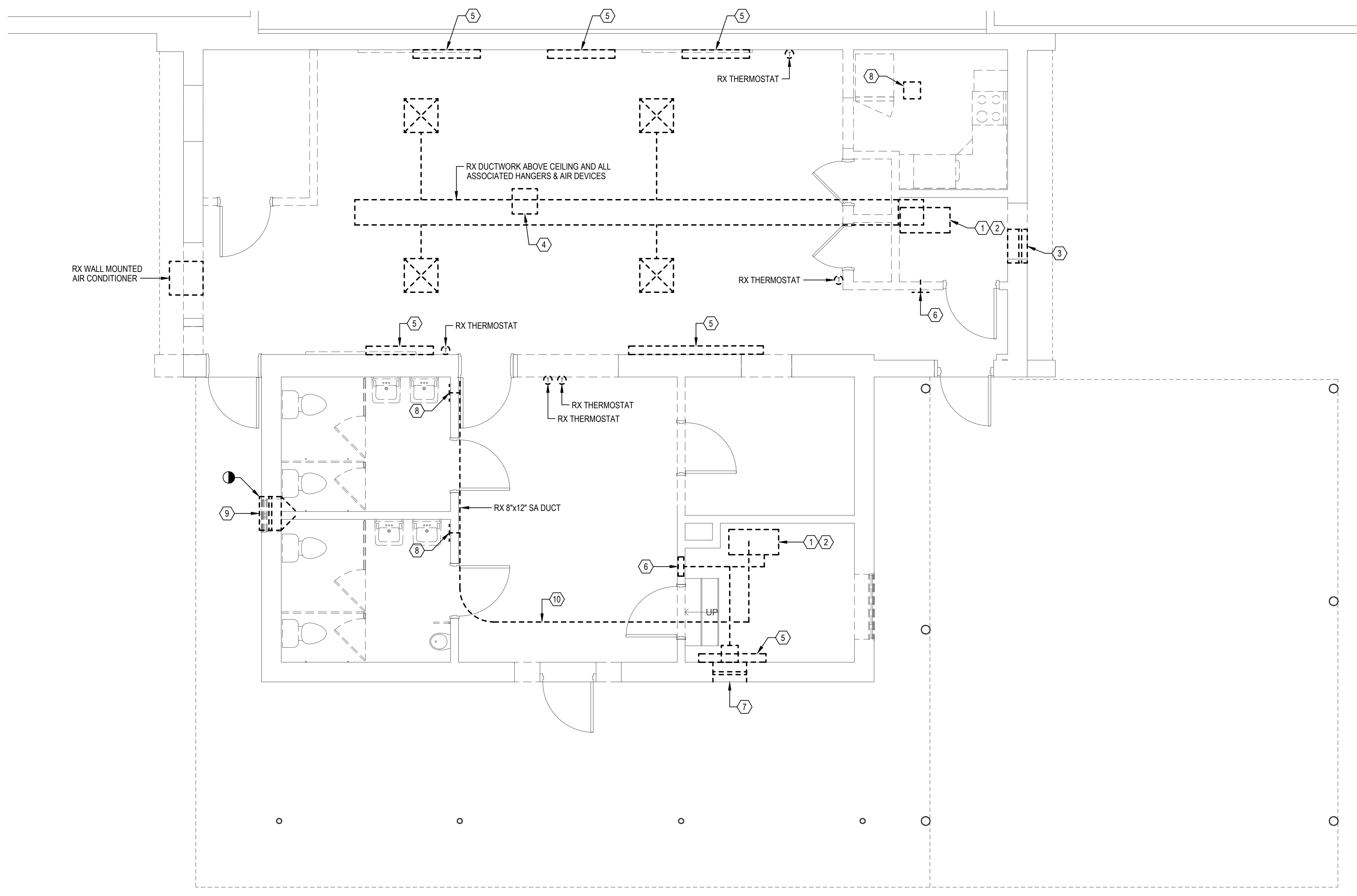
## CONTROL DESIGNATIONS

"X"-Y" POINT INTEGRATED TO LOCAL CONTROLLERS

"X"	"Y"
BA	BYPASS AIR
CA	COMBUSTION AIR
EA	EXHAUST AIR
QA	OUTDOOR AIR
RA	RETURN AIR
SA	SUPPLY AIR
EF	EXHAUST FAN
SF	SUPPLY FAN
F	FILTER
FZ	FREEZE STAT
RLF	RELIEF AIR
SM	SMOKE
RV	RELIEF VENT
TA	TEMPERED AIR
ZN	ZONE
OCC	OCCUPIED
T	TEMPERATURE
DPR	DAMPER
DPS	DIFFERENTIAL PRESSURE SENSOR
VFD	VARIABLE FREQUENCY DRIVE
SS	START/STOP
SD	SMOKE DETECTOR
DPS	DIFFERENTIAL PRESSURE SENSOR
DP	DIFFERENTIAL PRESSURE
SP	STATIC PRESSURE
P	PRESSURE
V	VALVE
HT	HEAT TRACE
HTR	HEATER
OV	OVERRIDE

PERMIT SET - 10/23/2020





**FLOOR PLAN - MECHANICAL DEMOLITION**  
SCALE: 1/4" = 1'-0"

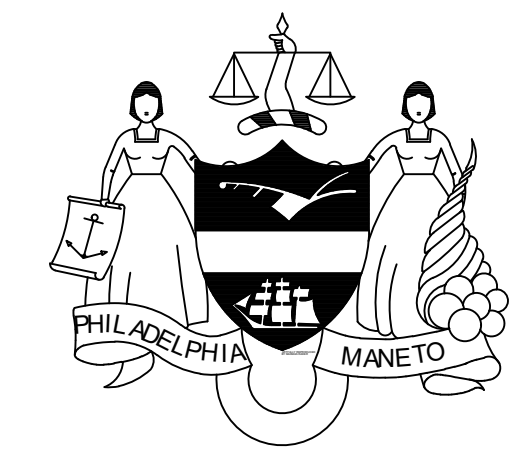
**GENERAL SHEET NOTES:**

1. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
2. DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE ANY MECHANICAL AND RELATED ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS.
3. UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY DASHED (---) SHALL BE REMOVED AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID (—) SHALL REMAIN.
4. ALL EQUIPMENT SHOULD BE ELECTRICALLY ISOLATED AND SAFED OFF PRIOR TO REMOVAL.

**SHEET KEYNOTES:**

- 1 REMOVE EXISTING NATURAL GAS FIRED HOT AIR FURNACE AND ALL ASSOCIATED DUCTWORK, CONTROLS AND AIR DEVICES.
- 2 REMOVE EXISTING EXHAUST FLUE WALL/ROOF SERVING FURNACE. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING OF EXISTING WALL/ROOF.
- 3 REMOVE EXISTING 12"x13" OUTSIDE AIR LOUVER AND SCREEN. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING OF EXISTING WALL.
- 4 REMOVE EXISTING 12"x12" EXHAUST FAN, DAMPER, CURB, AND ASSOCIATED CONTROLS. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING OF EXISTING ROOF. COORDINATE WITH ELECTRICAL CONTRACTOR FOR DISCONNECT OF POWER.
- 5 REMOVE EXISTING BASEBOARD HEATER AND ASSOCIATED CONTROLS. COORDINATE WITH ELECTRICAL CONTRACTOR FOR DISCONNECT OF POWER.
- 6 REMOVE EXISTING RETURN AIR GRILLE AND DUCTWORK. COORDINATE WITH GENERAL CONTRACTOR FOR EXISTING WALL PATCHING.
- 7 REMOVE EXISTING COMBUSTION AIR LOUVER AND DUCT TO FLOOR.
- 8 REMOVE EXISTING DIFFUSER AND DUCT. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING.
- 9 REMOVE EXISTING FAN, LOUVER SCREEN, AND EXHAUST GRILLES. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING OF WALL. COORDINATE WITH ELECTRICAL CONTRACTOR FOR DISCONNECTION OF POWER AND CONTROLS (LIGHTING CIRCUIT).
- 10 REMOVE SURFACE MOUNTED DUCTWORK FROM FURNACE DISCHARGE TO TERMINATION POINTS INCLUDING DIFFUSERS, SUPPORTS, AND AIR DEVICES.

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Charles Mottershead, 215.683-4466



**PROJECT TEAM**

**ARCHITECT:**  
JMT | ARCHITECTURE  
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PERMIT SET - 10/23/2020

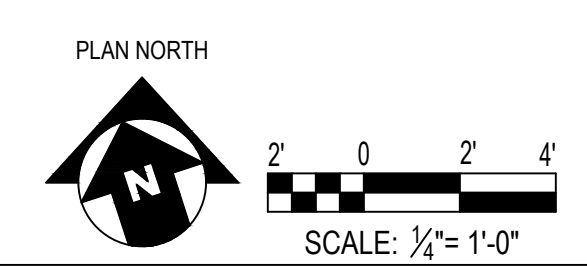
CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE  
NELSON PLAYGROUND

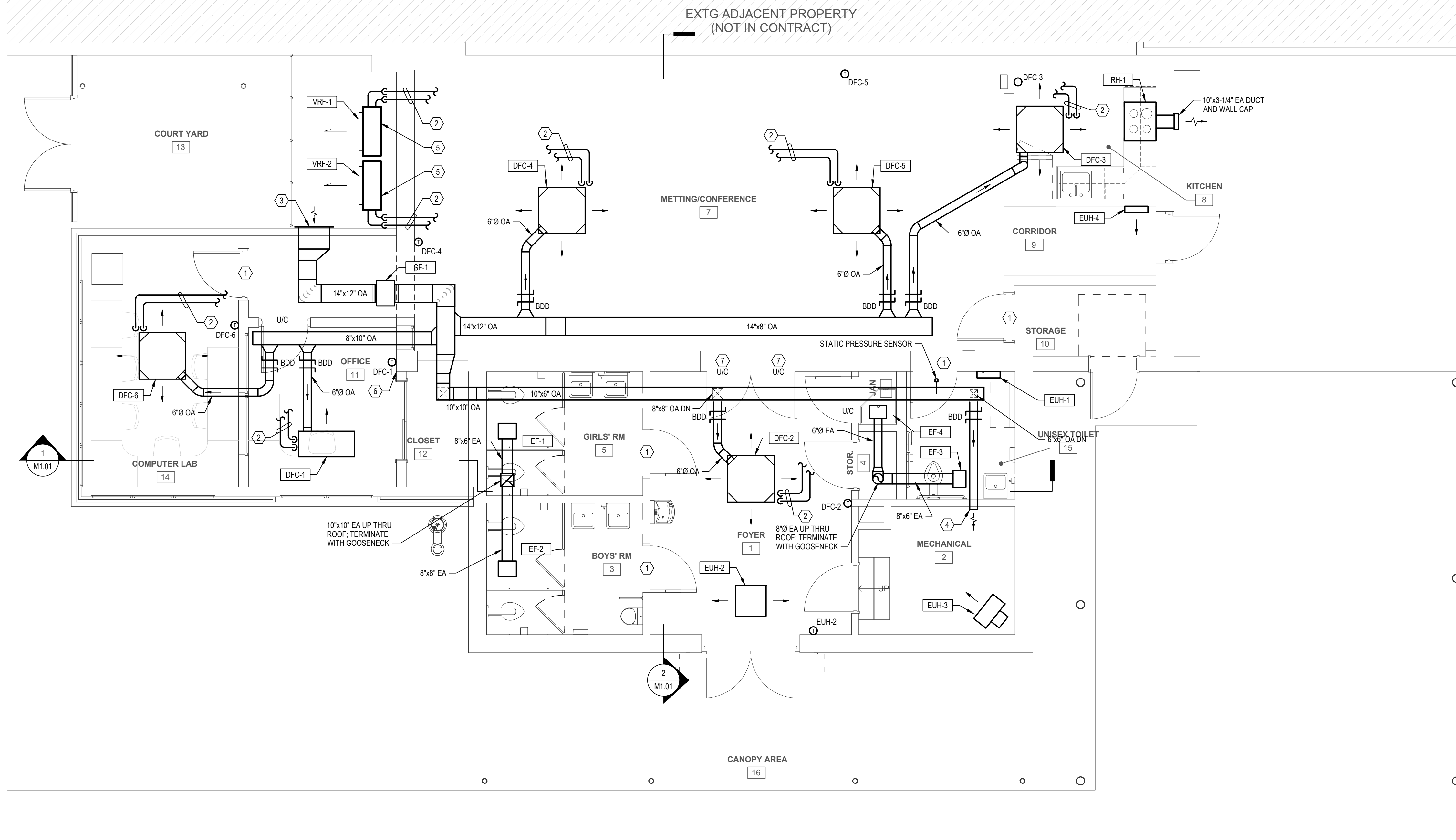
DRAWING TITLE  
FLOOR PLAN - MECHANICAL DEMOLITION

PROJECT NO. 18-00355-001	DRAWING NO. <b>MD1.01</b>
DATE: 10.23.2020	
SCALE: AS NOTED	
DRAWN BY: MMB	
CHECKED BY: GSC	FILE:

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







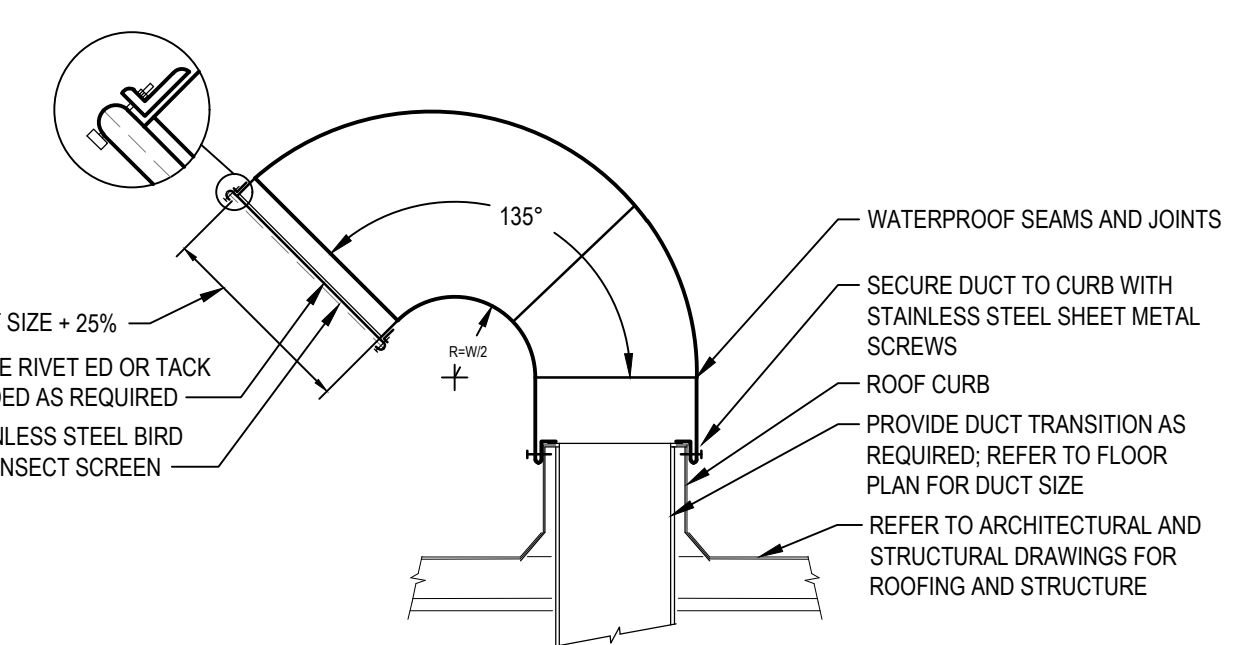
**FLOOR PLAN - MECHANICAL NEW WORK**  
SCALE: 1/4" = 1'-0"

**GENERAL SHEET NOTES:**

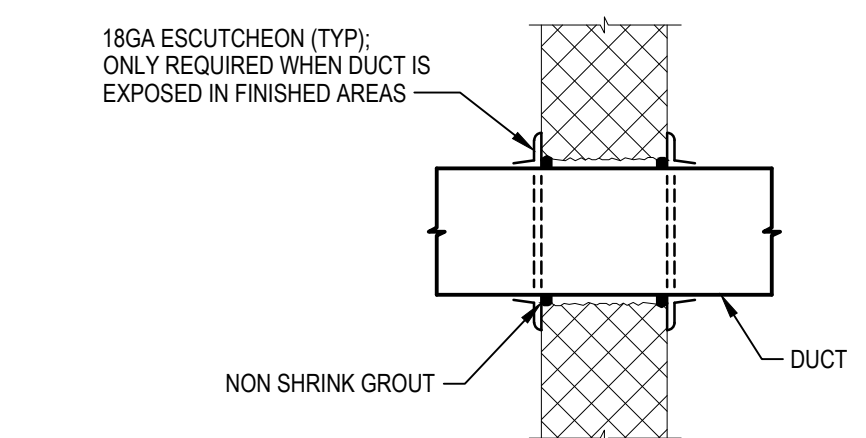
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2. UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY SOLID (—) SHALL BE NEW WORK AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID (---) SHALL BE EXISTING TO REMAIN.
3. DO NOT LOCATE DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS OR EQUIPMENT.
4. ALL EXPOSED DUCTWORK PROPOSED SHALL BE INSULATED AND WRAPPED WITH AN ALUMINUM JACKET; REFER TO SPECIFICATIONS FOR DETAILS.
5. COORDINATE DUCTWORK INSTALLATION WITH LIGHT FIXTURES; SEE ELECTRICAL DRAWINGS FOR PROPOSED LIGHT LOCATIONS.

**SHEET KEYNOTES:**

1. PROVIDE STAINLESS STEEL AIR TRANSFER GRILLE IN DOOR; COORDINATE WITH ARCHITECTURAL DOOR SCHEDULE; REFER TO SHEET M7.01 FOR MINIMUM GRILLE SIZE.
2. PROVIDE WALL PENETRATION FOR REFRIGERANT PIPING AND CONTROL WIRE; ROUTE PIPING AND CONTROL WIRING INTO CEILING OF NEW STORAGE SPACE; CONTINUE PIPE ROUTING TO DFC UNITS; PROVIDE PIPING, INSULATION, HANGERS, AND SLEEVED WALL PENETRATIONS AS REQUIRED PER THE DESIGN DOCUMENTS, MANUFACTURERS REQUIREMENTS, AND CONTRACT SPECIFICATIONS.
3. PROVIDE 24"x12" OUTSIDE AIR INTAKE LOUVER; PROVIDED MINIMUM OF 50% FREE AREA; COORDINATE LOUVER STYLE AND COLOR WITH ARCHITECTURAL.
4. PROVIDE COMBUSTION AIR SUPPLY FOR GWH-1; 6"x6", INSULATED DUCT; OPEN END WITH WIRE MESH.
5. MOUNT OUTDOOR CONDENSING UNITS TO WALL PER MANUFACTURERS RECOMMENDATIONS. PROVIDE WALL MOUNTING BRACKETS, PIPE SUPPORTS, INSULATION WITH JACKETING, AND ASSOCIATED ACCESSORIES. COORDINATE WALL PENETRATIONS AND SUPPORTS WITH ARCHITECTURAL AND STRUCTURAL.
6. PROVIDE VRF CONTROL PANEL PER MANUFACTURERS RECOMMENDATIONS. COORDINATE LOCATION WITH ARCHITECTURAL. REFER TO CONTROL DRAWING SHEET M7.01 & SPECIFICATIONS FOR OPTIONS AND ACCESSORIES.
7. PROVIDE PATH FOR AIR FLOW BETWEEN FOYER ROOM 1 AND MEETING/CONFERENCE ROOM 7; REFER TO SHEET M7.01 FOR MINIMUM FREE AREA REQUIREMENTS.

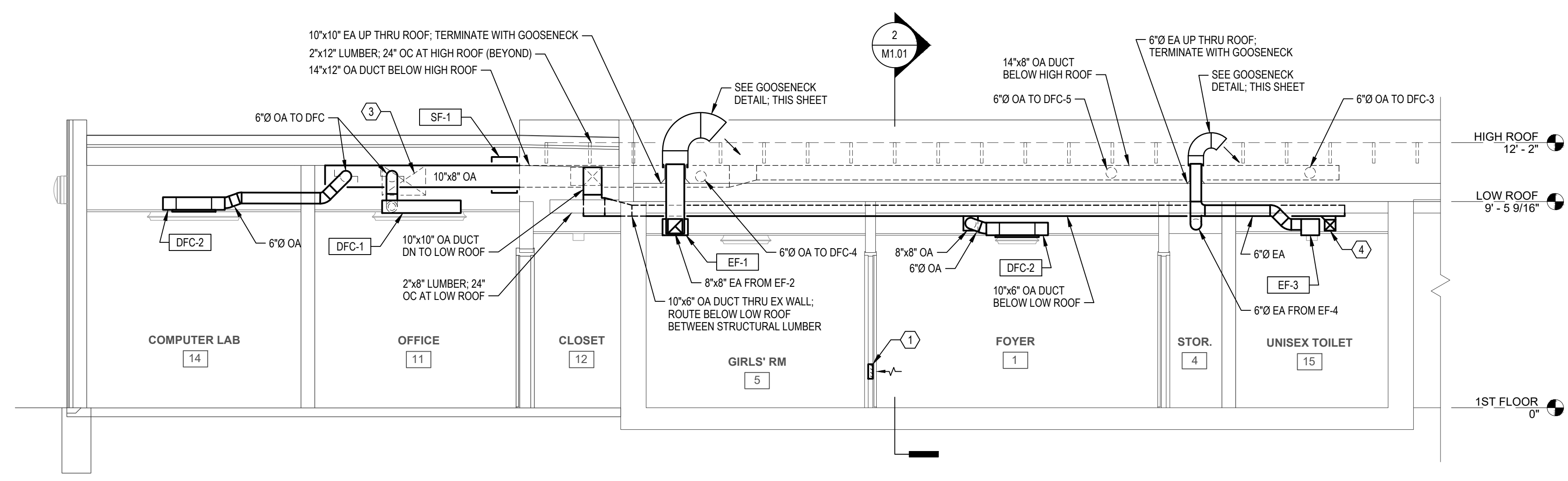


**DETAIL - GOOSENECK EXHAUST CAP**  
SCALE: NONE

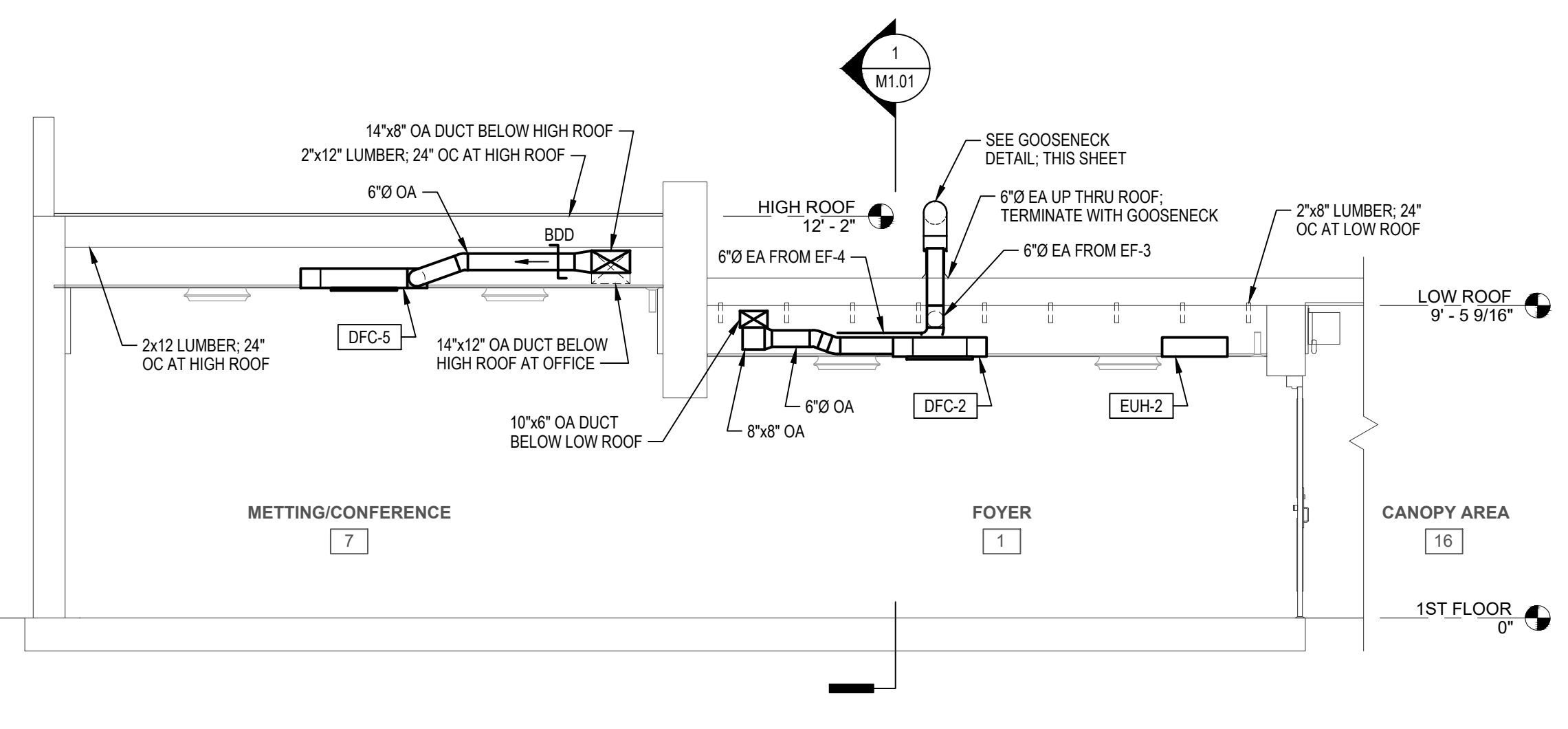


**DETAIL - DUCT THROUGH MASONRY WALL**  
SCALE: NONE

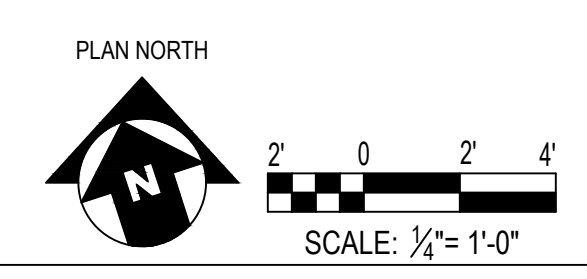
NOTES:  
1. THIS DETAIL APPLIES TO BOTH INSULATED AND NON-INSULATED DUCT.



**SECTION VIEW - NORTH - MECHANICAL NEW WORK**  
SCALE: 1/4" = 1'-0"



**SECTION VIEW - EAST - MECHANICAL NEW WORK**  
SCALE: 1/4" = 1'-0"



REVISIONS		
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**PERMIT SET - 10/23/2020**

CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
FLOOR PLAN - MECHANICAL NEW WORK

<b>PROJECT NO.</b> 18-00355-001	<b>DRAWING NO.</b> <b>M1.01</b>
<b>DATE:</b> 10.23.2020	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MMB	
<b>CHECKED BY:</b> GSC	<b>FILE:</b>

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



VARIABLE REFRIGERANT FLOW - DUCTLESS FAN COIL EVAPORATOR UNIT SCHEDULE																						
EVAPORATOR UNIT DATA																						
DESIG.	SERVES	STYLE	AIRFLOW (CFM)	COOLING						HEATING			ELECTRICAL			REFRIG.	VRF CONDENSING UNIT	BASIS	NOTES			
				SENSIBLE COOLING (MBH)	TOTAL COOLING (MBH)	EAT (°F)		LAT (°F)		OUTSIDE AIR		TOTAL HEATING (MBH)	EAT (°F)	LAT (°F)	VPH					MOP AMPS	RATED AMPS	
DFC-1	OFFICE ROOM 11	CEILING CASSETTE	325	7.6	9.2	79	65	57	56	55	92	75	8.9	60	85	208/1	15	0.18	R-410A	VRF-1	LG MULTI V S 1-WAY (ARNU123TUD4)	1, 2, 3, 4, 5
DFC-2	FOYER ROOM 1	CEILING CASSETTE	450	9.3	11.3	80	67	60	59	100	92	75	13.3	56	84	208/1	15	0.56	R-410A	VRF-2	LG MULTI V S 4-WAY (ARNU123TN44)	1, 2, 3, 4, 5
DFC-3	KITCHEN ROOM 8	CEILING CASSETTE	265	6.1	7.7	80	67	58	57	55	92	75	6.8	57	81	208/1	15	0.56	R-410A	VRF-1	LG MULTI V S 4-WAY (ARNU123TN44)	1, 2, 3, 4, 5
DFC-4	MEETING/CONFERENCE ROOM 7	CEILING CASSETTE	800	16.3	22.9	79	68	60	59	125	92	75	16.5	60	80	208/1	15	1.30	R-410A	VRF-2	LG MULTI V S 4-WAY (ARNU283TM44)	1, 2, 3, 4, 5
DFC-5	MEETING/CONFERENCE ROOM 7	CEILING CASSETTE	800	16.3	22.9	79	68	60	59	125	92	75	16.5	60	80	208/1	15	1.30	R-410A	VRF-2	LG MULTI V S 4-WAY (ARNU283TM44)	1, 2, 3, 4, 5
DFC-6	COMPUTER LAB ROOM 14	CEILING CASSETTE	810	20.8	25.9	79	68	60	59	125	92	75	20.8	60	80	208/1	15	1.30	R-410A	VRF-1	LG MULTI V S 4-WAY (ARNU283TM44)	1, 2, 3, 4, 5

NOTES:  
1) PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP, MERV 6 FILTER, AND 6" OUTSIDE AIR INLET KIT.  
2) PROVIDE MANUFACTURERS STANDARD WIRED WALL THERMOSTAT FOR EACH UNIT AS SHOWN ON THE DRAWINGS. INTEGRATE WITH OUTDOOR UNIT CONTROL SYSTEM AND PROVIDE CENTRAL ACCESS THROUGH OFFICE COMPUTER.  
3) CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF PIPING ROUTING AND REQUIRED LENGTHS. CONFIRM REFRIGERANT VOLUME WITH FINAL LAYOUT AND VERIFY ASHRAE 15/34 COMPLIANCE.  
4) INTERLOCK WITH EXHAUST FAN OPERATION; REFER TO EXHAUST FAN SCHEDULE.  
5) REFER TO CONTROL DRAWINGS & SPECIFICATIONS FOR OPTIONS AND ACCESSORIES.

FAN SCHEDULE																
DESIG.	LOCATION	SERVES	DUTY	CFM	ESP IN W.G.	FAN RPM	MOTOR HP (V)	TYPE	DRIVE	SPEED CONTROL	DAMPER SIZE (IN)	ELEC VOLTPH	MAX SONES	APPROX WEIGHT (LBS)	BASIS	NOTES
EF-1	GIRLS TOILET RM 5	GIRLS TOILET RM 5	EXHAUST	100	0.25	1,100	20 (V)	CEILING	DIRECT	N/A	8" x 6"	115/1	1	15	GREENHECK SP-A125	1, 2, 3, 5, 6
EF-2	BOYS TOILET RM 3	BOYS TOILET RM 3	EXHAUST	150	0.25	900	50 (V)	CEILING	DIRECT	N/A	8" x 8"	115/1	3	25	GREENHECK SP-A200	1, 2, 3, 5, 6
EF-3	UNISEX TOILET RM 15	UNISEX TOILET RM 15	EXHAUST	120	0.25	1,400	43 (V)	CEILING	DIRECT	N/A	8" x 6"	115/1	2	15	GREENHECK SP-A190	1, 2, 4, 5, 6
EF-4	JANITORS CLOSET 6	JANITORS CLOSET 6	EXHAUST	25	0.25	900	13 (V)	CEILING	DIRECT	N/A	6" DIA	115/1	1	15	GREENHECK SP-A90	1, 2, 4, 5, 6
SF-1	OFFICE 11 CORRIDOR	DFC UNITS & GWH CA	OUTSIDE AIR SUPPLY	575	0.50	1,600	1/6	INLINE	DIRECT	YES	NA	115/1	10	60	GREENHECK SQ-95-VG	1, 2, 6, 7

NOTES:  
1) REFER TO CONTROL DRAWINGS & SPECIFICATIONS FOR OPTIONS AND ACCESSORIES.  
2) MOTOR SHALL BE RATED FOR CONTINUOUS USE DURING OCCUPIED HOURS.  
3) INTERLOCK FAN OPERATION WITH VRF-2.  
4) INTERLOCK FAN OPERATION WITH VRF-1.  
5) PROVIDE WITH INTEGRAL BACKDRAFT DAMPER.  
6) COORDINATE WITH CEILING CONSTRUCTION AND STRUCTURE.  
7) PROVIDE WITH DISCONNECT SWITCH AND VARI-GREEN EC MOTOR WITH VARIABLE SPEED CONTROLS.

VARIABLE REFRIGERANT FLOW - CONDENSING UNIT SCHEDULE																	
CONDENSING UNIT DATA																	
DESIG.	NO. OF MODULES	COOLING MODE				MINIMUM SEER	HEATING MODE				ELECTRICAL			BASIS	NOTES	ASHRAE 15/34 COMPLIANCE <sup>2</sup>	
		TOTAL CAPACITY (MBH)	RATED CAPACITY (MBH)	RATED DBWB (°F)	OUTSIDE AIR DB (°F)		TOTAL CAPACITY (MBH)	RATED CAPACITY (MBH)	RATED DB (°F)	OUTSIDE AIR DBWB (°F)	VPH	MOPP	MCA			TOTAL EST. REFRIGERANT CAPACITY R-410A (LBS)	MINIMUM ROOM VOLUME (CU FT)
VRF-1	1	42.8	60	80/67	95	13	36.5	64	70	47/43	208/1	40	25.4	LG MULTI V S (ARUN060GSS4)	1, 2, 3, 4, 5	12.0	462
VRF-2	1	57.0	60	80/67	95	13	43.6	64	70	47/43	208/1	40	25.4	LG MULTI V S (ARUN060GSS4)	1, 2, 3, 4, 5	12.0	462

NOTES:  
1) REFER TO CONTROL DRAWINGS & SPECIFICATIONS FOR OPTIONS AND ACCESSORIES.  
2) INTEGRATE WITH INDOOR UNIT CONTROL SYSTEM AND PROVIDE CENTRAL ACCESS THROUGH OFFICE COMPUTER.  
3) MINIMUM ROOM VOLUME CALCULATION BASED ON 26 LBS/1000 CUFT (ASHRAE 34 MAXIMUM RCL)  
4) PROVIDE WALL MOUNTING KIT, HAIL GUARD KIT, LOW AMBIENT BAFFLE KIT, AND DRAIN PAN HEATER.  
5) CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF PIPING ROUTING AND REQUIRED LENGTHS; CONFIRM REFRIGERANT VOLUME WITH FINAL LAYOUT AND VERIFY ASHRAE 15/34 COMPLIANCE.

ELECTRIC UNIT HEATER SCHEDULE													
DESIG.	SERVICE	TYPE	HEATING CAPACITY		VOLTS/ PHASE	FAN		DIMENSIONS			WEIGHT (LBS)	BASIS	NOTES
			(BTU/H)	(KW)		CFM	HP	LENGTH (in)	WIDTH (in)	DEPTH (in)			
EUH-1	UNISEX TOILET 15	WALL	6,700	2.00	208/1	100	-	19-5/16"	15-3/4"	5-1/4"	25	Q MARK LFK	1, 2, 7, 8, 9
EUH-2	FOYER 1	CEILING	13,700	4.00	208/1	300	-	23-3/4"	23-3/4"	7"	47	Q MARK CDF	1, 3, 6, 8, 9
EUH-3	MECHANICAL 2	SUSPENDED	12,795 / 8,530	3.75	208/1	210	1/100	16"	22"	8"	28	Q MARK MUH35	2, 4, 5, 8, 9
EUH-4	CORRIDOR 10	WALL	13,640 / 10,230	4.00	208/1	100	-	19-5/16"	15-3/4"	5-1/4"	25	Q MARK LFK	1, 2, 7, 8, 9

NOTES:  
1) PROVIDE FACTORY INSTALLED UNIT MOUNTED DISCONNECT SWITCH.  
2) PROVIDE UNIT HEATER WITH FACTORY INSTALLED INTERNAL THERMOSTAT.  
3) PROVIDE WALL MOUNTED THERMOSTAT.  
4) PROVIDE POWER CORD KIT.  
5) PROVIDE COMBO STAND AND SWIVEL BRACKET.  
6) PROVIDE RECESSED MOUNT KIT AND TRIM RING; UNIT SHALL BE SET FOR WIDE PATTERN AIRFLOW.  
7) PROVIDE SURFACE MOUNT KIT.  
8) COORDINATE WITH CEILING/WALL CONSTRUCTION AND EXISTING STRUCTURE.  
9) REFER TO CONTROL DRAWINGS & SPECIFICATIONS FOR OPTIONS AND ACCESSORIES.

MISCELLANEOUS EQUIPMENT SCHEDULE				
DESIG.	LOCATION	SERVES	DESCRIPTION	BASIS
RH-1	KITCHEN RM 6	RANGE	RANGE HOOD 30" STAINLESS STEEL RANGE HOOD WITH INTEGRAL LIGHTS AND EXHAUST FAN; 120V-1Ø, 0.65 AMPS; (2190 CFM HIGH / 110 CFM LOW), 3-1/4" x 10" HORIZONTAL DUCT CONNECTION. HOOD SHALL BE PROVIDED WITH AND OPERATED BY UNIT MOUNTED SWITCH. UNIT SHALL BE PROVIDED WITH DAMPER ASSEMBLY. PROVIDE BRAON WALL CAP (BLACK) MATCHING DUCT SIZE ADJUSTED FOR WALL THICKNESS, COORDINATE WALL CAP INSTALLATION WITH ARCHITECTURAL.	BROAN BCSEK130SS

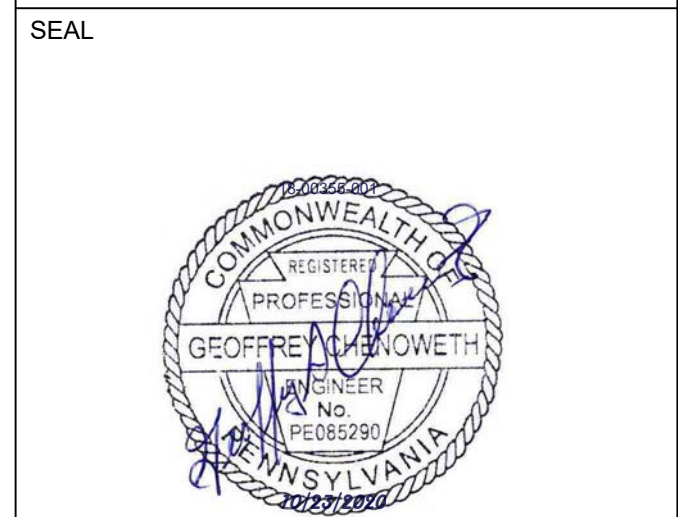
LOUVER & AIR TRANSFER SCHEDULE												
SERVES / LOCATION	DOOR NO.	DUTY	TYPE	CFM	MIN. TOTAL FREE AREA (SQ.FT)	DESIGN CRITERIA			MANUFACTURER BASIS OF DESIGN STANDARD SIZE (IN)	NOTES		
						% FREE AREA	MAX FPM	MINIMUM SIZE (IN)			MINIMUM SIZE (SQ.FT)	MAX.P.D (IN WC)
RM 1 & 7 FOYER & MEETING/CONF	7 (2)	TRANSFER	UNDER CUT	87.5	0.19	90%	450	30 x 1.0	0.2	0.10	-	2
RM 1 & 7 FOYER & MEETING/CONF	7 (2)	TRANSFER	UNDER CUT	87.5	0.19	90%	450	30 x 1.0	0.2	0.10	-	2
RM 6 JANITOR CLOSET	6	TRANSFER	UNDER CUT	25	0.06	90%	450	30 x 0.3	0.1	0.10	-	2
RM 3 BOYS TOILET	3	TRANSFER	INT DOOR	150	0.33	50%	450	12 x 8	0.7	0.10	12 x 8	2, 3, 4, 5
RM 5 GIRLS TOILET	5	TRANSFER	INT DOOR	100	0.22	50%	450	12 x 5	0.4	0.10	12 x 8	2, 3, 4, 5
RM 10 STORAGE/ELEC CLOSET	10.1	TRANSFER	INT DOOR	75	0.75	50%	100	16 x 14	1.5	0.05	16 x 16	2, 3, 4, 5
RM 11 OFFICE	11	TRANSFER	UNDER CUT	55	0.12	90%	450	30 x 0.7	0.1	0.10	-	2
RM 14 COMPUTER LAB	14	TRANSFER	INT DOOR	90	0.20	50%	450	8 x 7	0.4	0.10	8 x 8	2, 3, 4, 5
RM 15 UNISEX TOILET	15	TRANSFER	INT DOOR	120	0.27	50%	450	12 x 6	0.5	0.10	12 x 8	2, 3, 4, 5
SF-1 COURTYARD	-	OA INTAKE	EXT WALL	575	0.96	50%	600	24 x 12	1.9	0.15	-	1, 2, 3, 4

NOTES:  
1) PROVIDE WITH INSECT & BIRD SCREEN.  
2) COORDINATE INSTALLATION WITH THE GENERAL CONTRACTOR, AND ARCHITECTURAL & STRUCTURAL CONTRACT DOCUMENTS.  
3) COLOR SELECTION TO BE PROVIDED BY ARCHITECTURAL.  
4) SELECTION PROVIDED BY ARCHITECTURAL; REFER TO SPECIFICATIONS FOR OPTIONS AND ACCESSORIES.  
5) MANUFACTURER BASIS OF DESIGN: ACP CO. STEEL DOOR LOUVER MODEL SDL.

REVISIONS		
ISSUE	DATE	DESCRIPTION



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CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE  
NELSON PLAYGROUND

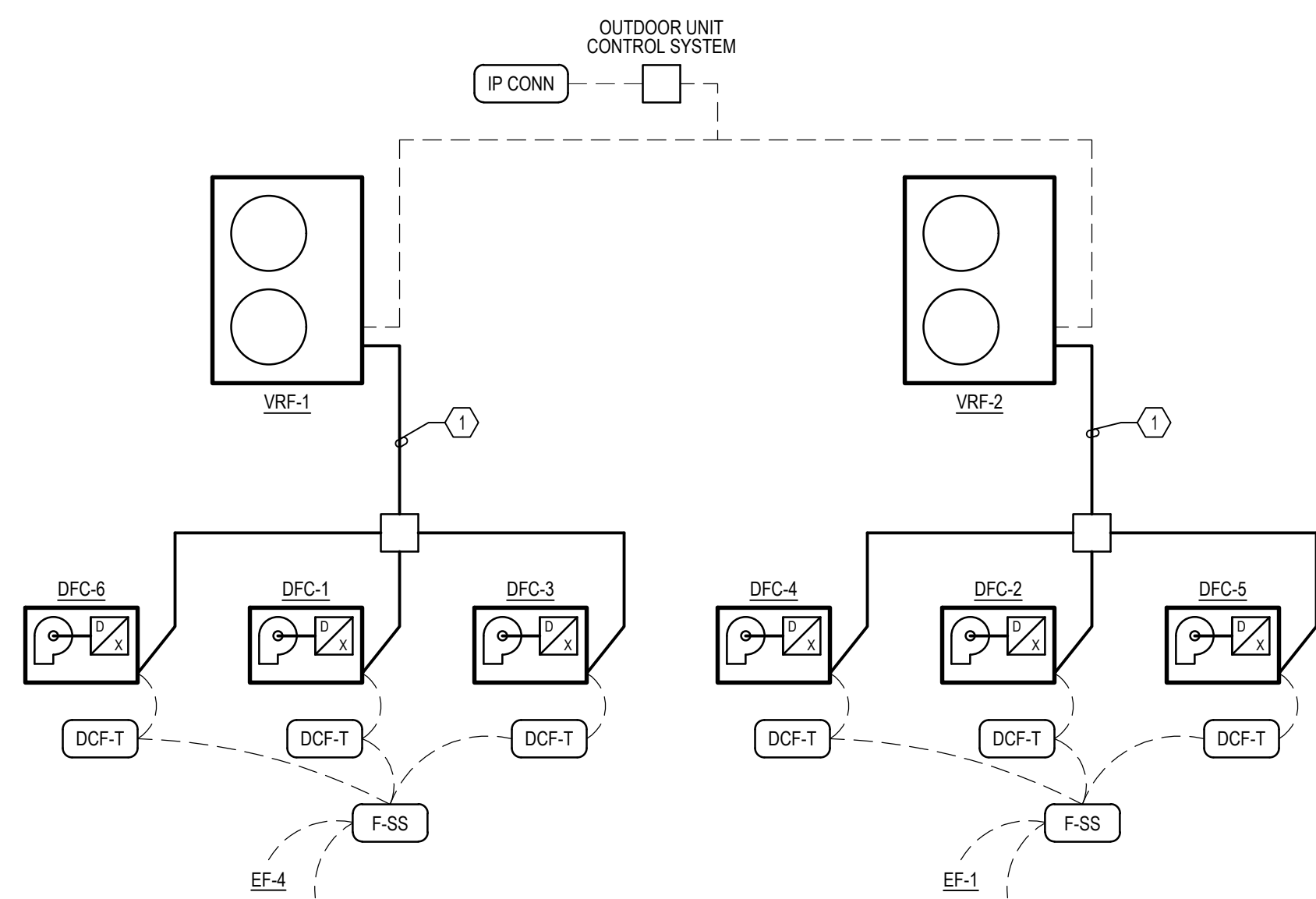
DRAWING TITLE  
MECHANICAL SCHEDULES

PROJECT NO. 18-00355-001	DRAWING NO. <b>M6.01</b>
DATE: 10.23.2020	
SCALE: AS NOTED	
DRAWN BY: MMB	
CHECKED BY: GSC	FILE:

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

PERMIT SET - 10/23/2020

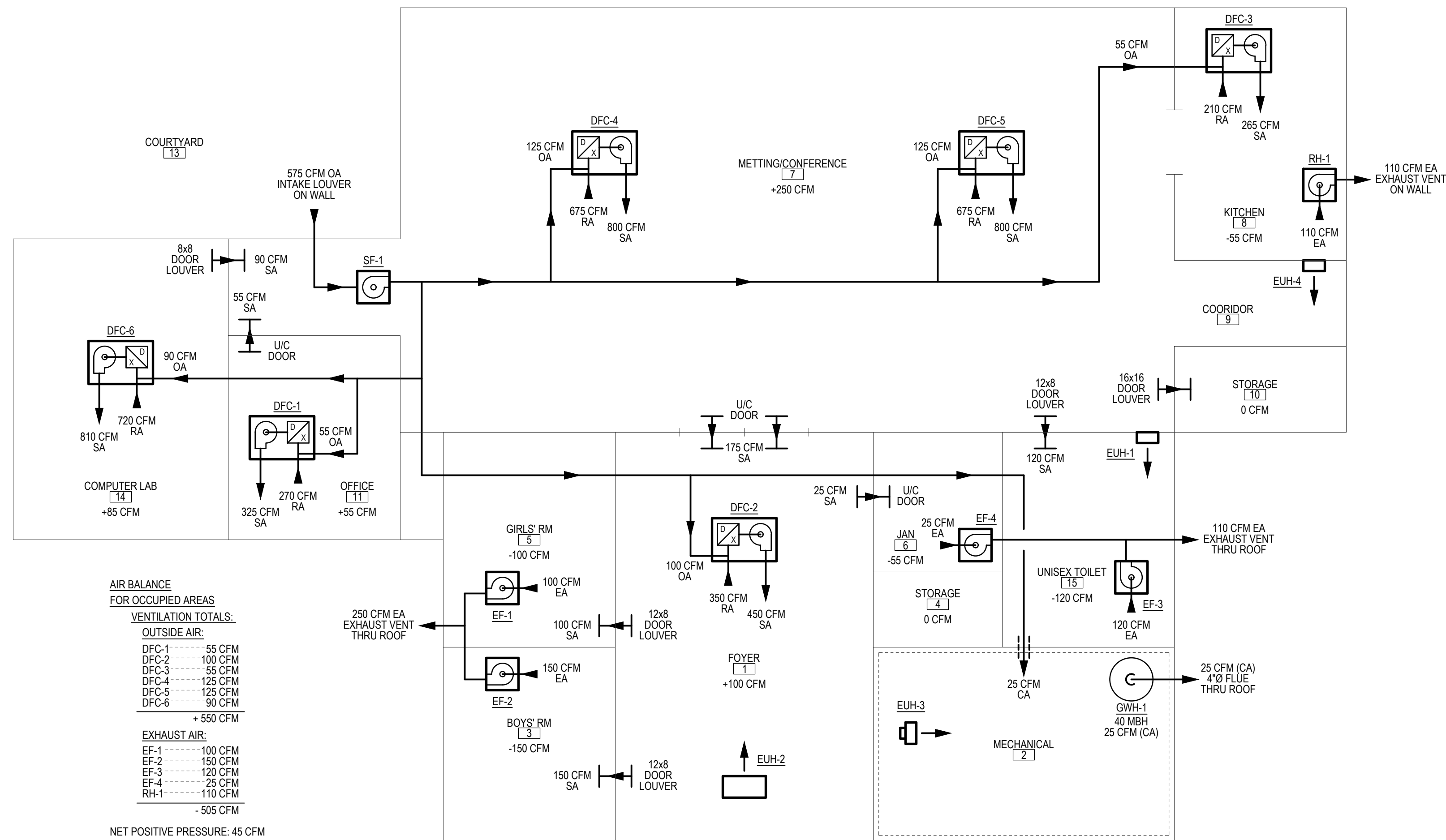




**VARIABLE REFRIGERANT FLOW & DUCTLESS FAN COIL UNIT SYSTEM**

SCALE: NONE

- NOTES:**
- PROVIDE REFRIGERANT PIPING AND CONTROL WIRE; ROUTE PIPING AND CONTROL WIRING TO DFC UNITS AS REQUIRED PER THE DESIGN DOCUMENTS, MANUFACTURERS REQUIREMENTS, AND CONTRACT SPECIFICATIONS.
  - GENERAL:**  
THE VARIABLE REFRIGERANT FLOW (VRF) SYSTEM CONSISTS OF THE VARIABLE REFRIGERANT FLOW OUTDOOR UNITS (VRF), THE VARIABLE REFRIGERANT FLOW INDOOR DUCTLESS FAN COIL UNITS (DFC) AND THE VARIABLE REFRIGERANT FLOW CONTROLS SYSTEM.  
UNIT SHALL BE PROVIDED WITH ITS OWN FACTORY CONTROLS AND PROVIDE WITH AN IP DROP FOR WEB ACCESS FOR MONITORING AND SETPOINT ADJUSTMENT. DRY CONTACT CONTROLS SHALL BE PROVIDED FOR INTERLOCK OF EXHAUST FANS.
  - OCCUPIED MODE:**  
DURING OCCUPIED MODE, THE DFC INDOOR UNIT FAN SHALL RUN CONTINUOUSLY. THE REFRIGERATION CIRCUIT AND THE ENERGY RECOVERY MODULE SHALL MODULATE AS NEEDED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT OF 72 F (ADJ.). SPACE TEMPERATURE SETPOINT SHALL BE USER ADJUSTABLE +/- 4 F. HEATING OR COOLING OPERATION SHALL BE DETERMINED AT EACH INDIVIDUAL THERMOSTATICALLY CONTROLLED ZONE. OCCUPIED HOURS SHALL BE DETERMINED ON A 365 DAY SCHEDULE AND SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.
  - UNOCCUPIED MODE:**  
DURING UNOCCUPIED MODE, THE DFC UNIT SHALL RUN AS NEEDED TO MAINTAIN SPACE TEMPERATURE SETPOINT. WHEN THE OUTSIDE AIR TEMPERATURE IS GREATER THAN 65 F, THE UNOCCUPIED SPACE TEMPERATURE SETPOINT SHALL BE 80 F. WHEN THE OUTSIDE AIR TEMPERATURE IS LESS THAN 60 F THE UNOCCUPIED SPACE TEMPERATURE SETPOINT SHALL BE 65 F. IF AT ANY TIME A ZONE TEMPERATURE, AS SENSED BY THE ZONE THERMOSTAT, IS OUTSIDE OF THE UNOCCUPIED ZONE TEMPERATURE SETPOINT, THE ZONE DFC AND ASSOCIATED VRF SHALL BE ENABLED AND CONDITION THE SPACE TO ACHIEVE THE OCCUPIED ZONE TEMPERATURE SETPOINT.
  - IP CONNECTION:**  
IP CONNECTION SHALL BE PROVIDED FOR REMOTE WEB ACCESS TO CONTROLLER.
  - EXHAUST FAN INTERLOCK:**  
WHEN ANY OF THE ASSOCIATED VRF SYSTEM COMPONENTS ARE ENERGIZED THE ASSOCIATED EXHAUST FANS SHALL BE ENERGIZED. WHEN NO ASSOCIATED VRF SYSTEM COMPONENTS ARE ENERGIZED THE ASSOCIATED EXHAUST FAN SHALL BE DE-ENERGIZED.



**AIR BALANCE FOR OCCUPIED AREAS**

**VENTILATION TOTALS:**

**OUTSIDE AIR:**

DFC-1	55 CFM
DFC-2	100 CFM
DFC-3	55 CFM
DFC-4	125 CFM
DFC-5	125 CFM
DFC-6	90 CFM
<b>TOTAL</b>	<b>+ 550 CFM</b>

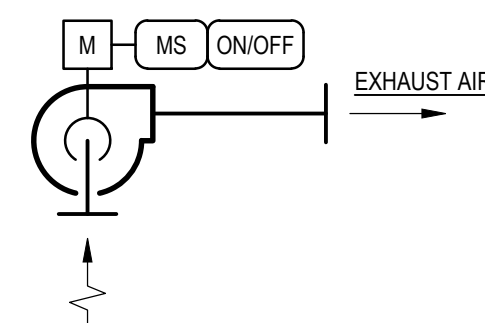
**EXHAUST AIR:**

EF-1	100 CFM
EF-2	150 CFM
EF-3	120 CFM
EF-4	25 CFM
RH-1	110 CFM
<b>TOTAL</b>	<b>- 505 CFM</b>

NET POSITIVE PRESSURE: 45 CFM

**MECHANICAL AIR FLOW SCHEMATIC**

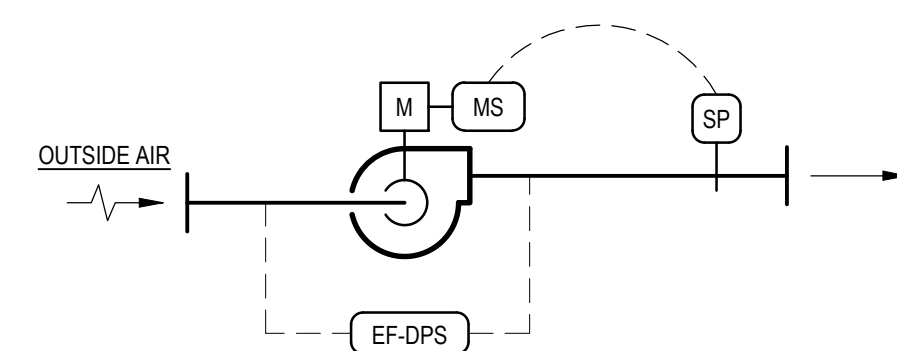
SCALE: NONE



**RANGE HOOD (RH-1)**

SCALE: NONE

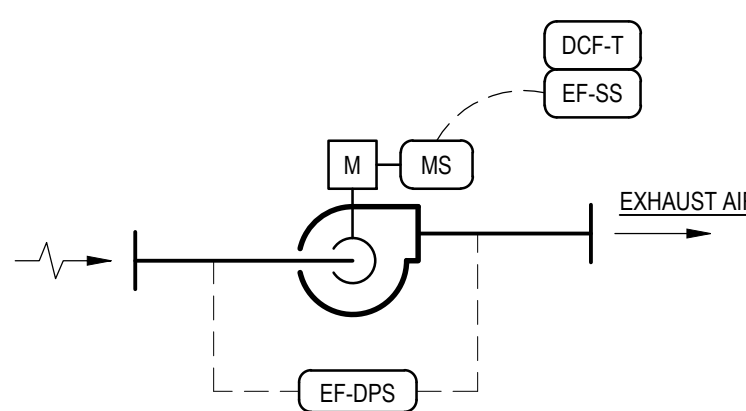
- A. GENERAL:**  
THE CONSTANT VOLUME EXHAUST FAN SHALL BE CONTROLLED TO OPERATE CONTINUOUSLY.
- B. EXHAUST FAN OPERATION:**  
THE FAN SHALL OPERATE THROUGH AN INTERNAL ON/OFF SWITCH. THE FAN SHALL BE MANUALLY CONTROLLED AND ENABLED DIRECTLY WHENEVER THE ON/OFF SWITCH IS ENABLED.



**OUTSIDE AIR SUPPLY FAN (SF-1)**

SCALE: NONE

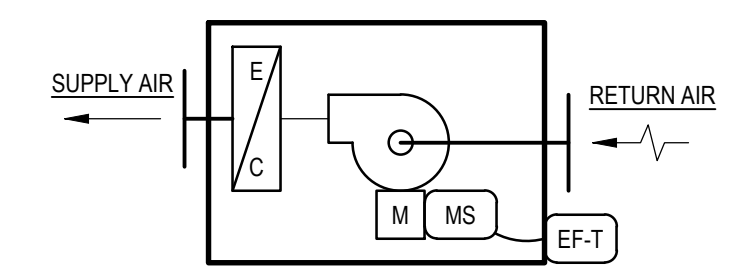
- A. GENERAL:**  
THE VARIABLE VOLUME SUPPLY FAN SHALL BE CONTROLLED TO OPERATE FOR CONSTANT OPERATION AS REQUIRED TO SUPPLY OUTSIDE AIR AND MAINTAIN POSITIVE PRESSURE WITHIN THE OUTSIDE AIR / COMBUSTION AIR SUPPLY DUCT.
- B. SUPPLY FAN OPERATION:**  
PROVIDE STATIC PRESSURE SENSORS MOUNTED ON SUPPLY AIR DUCTS AS INDICATED ON FLOOR PLAN. CONTROL THE VARIABLE SPEED DRIVE TO MAINTAIN THE CALCULATED STATIC PRESSURE SET-POINT. IN THE EVENT THE REMOTE STATIC PRESSURE BECOMES UNRELIABLE, FAN SHALL RUN AT FULL SPEED.



**EXHAUST FAN (EF-1 & 2)**

SCALE: NONE

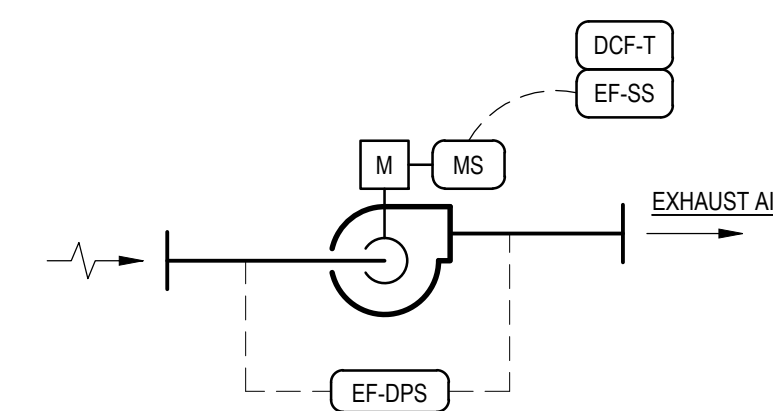
- A. GENERAL:**  
THE CONSTANT VOLUME EXHAUST FAN SHALL BE CONTROLLED TO OPERATE CONTINUOUSLY.
- B. EXHAUST FAN OPERATION:**  
THE FAN SHALL BE AUTOMATICALLY CONTROLLED AND ENABLED DIRECTLY WHENEVER VRF-2 IS ENABLED.



**ELECTRIC UNIT HEATER (EUH-1, 3, & 4)**

SCALE: NONE

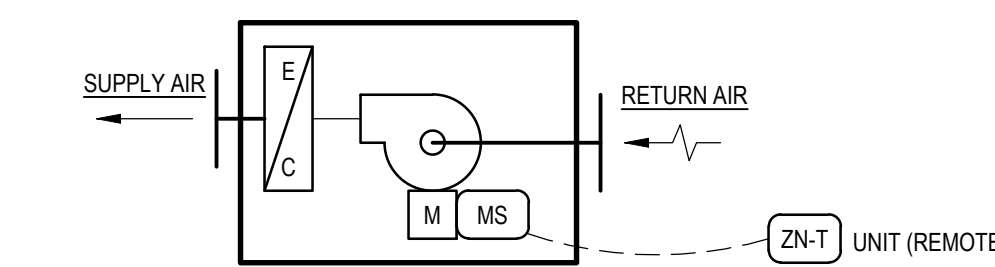
- A. GENERAL:**  
THE ELECTRIC UNIT HEATER (EUH) IS A CONSTANT VOLUME UNIT EQUIPPED WITH A CONSTANT VOLUME FAN AND AN ELECTRIC HEATING COIL.
- B. UNIT HEATER OPERATION:**  
THE EUH SHALL OPERATE THROUGH AN INTERNAL THERMOSTAT. THE EUH SHALL CYCLE THROUGH INTERNAL CONTROLS TO MAINTAIN A ZONE TEMPERATURE SETPOINT OF 70°F (ADJ, +/- 2°F DEADBAND).



**EXHAUST FAN (EF-3 & 4)**

SCALE: NONE

- A. GENERAL:**  
THE CONSTANT VOLUME EXHAUST FAN SHALL BE CONTROLLED TO OPERATE CONTINUOUSLY.
- B. EXHAUST FAN OPERATION:**  
THE FAN SHALL BE AUTOMATICALLY CONTROLLED AND ENABLED DIRECTLY WHENEVER VRF-1 IS ENABLED.



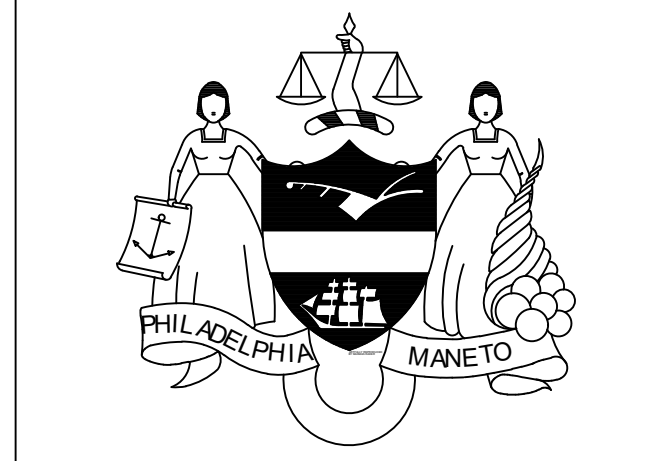
**ELECTRIC UNIT HEATER (EUH-2)**

SCALE: NONE

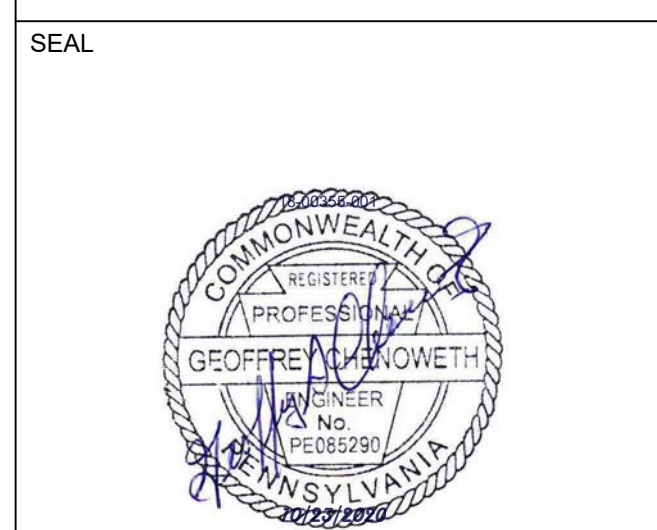
- A. GENERAL:**  
THE ELECTRIC UNIT HEATER (EUH) IS A CONSTANT VOLUME UNIT EQUIPPED WITH A CONSTANT VOLUME FAN AND AN ELECTRIC HEATING COIL.
- B. UNIT HEATER OPERATION:**  
THE EUH SHALL OPERATE THROUGH AN EXTERNAL THERMOSTAT. THE EUH SHALL CYCLE THROUGH INTERNAL CONTROLS TO MAINTAIN A ZONE TEMPERATURE SETPOINT OF 70°F (ADJ, +/- 2°F DEADBAND).

**REVISIONS**

ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Charles Mottershead, 215.683-4466



**PROJECT ARCHITECT:**  
JMT | ARCHITECTURE  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
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**CITY OF PHILADELPHIA**  
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**PROJECT TITLE**  
NELSON PLAYGROUND

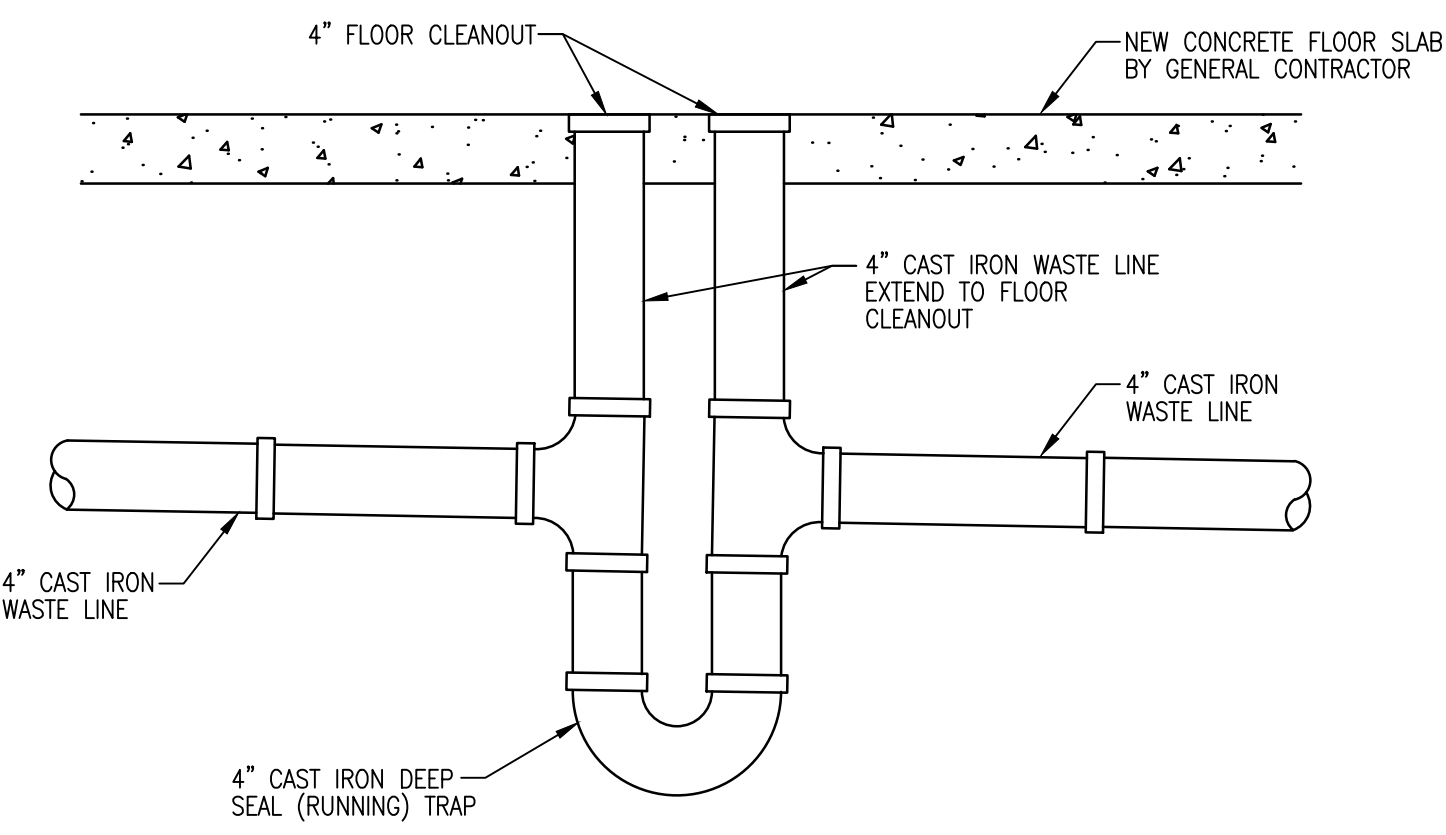
**DRAWING TITLE**  
MECHANICAL AIR FLOW SCHEMATIC AND CONTROLS

<b>PROJECT NO.</b> 18-00355-001	<b>DRAWING NO.</b> <b>M7.01</b>
<b>DATE:</b> 10.23.2020	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MMB	
<b>CHECKED BY:</b> GSC	<b>FILE:</b>

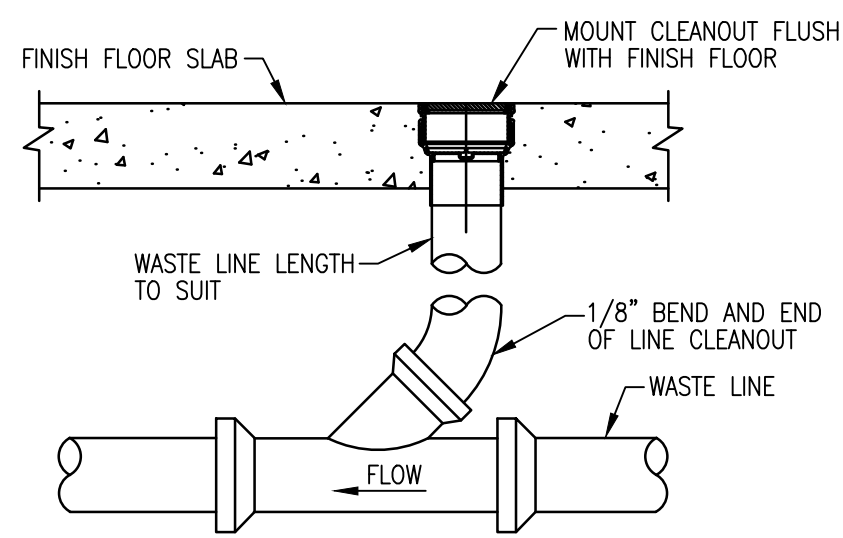
**NOTE:** ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

**PERMIT SET - 10/23/2020**

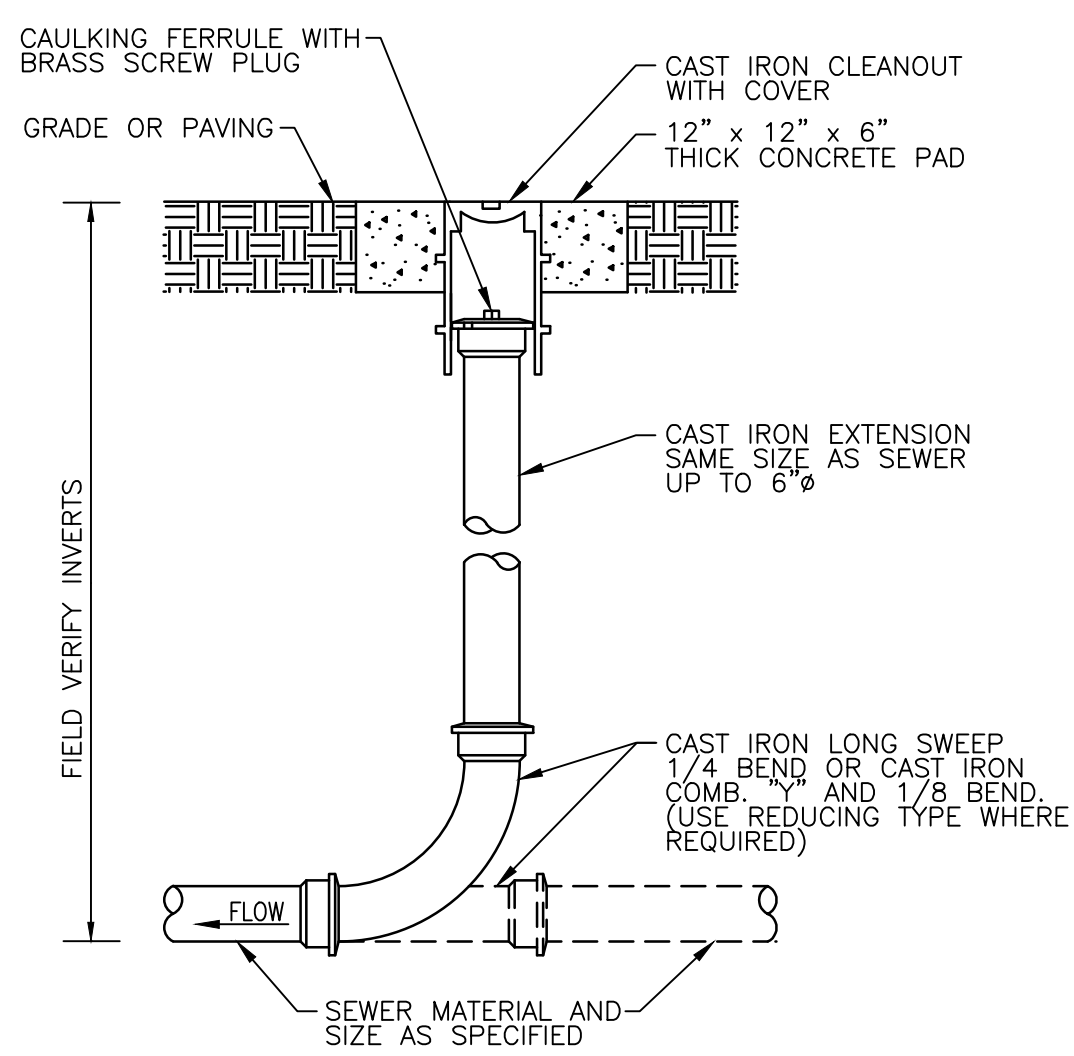




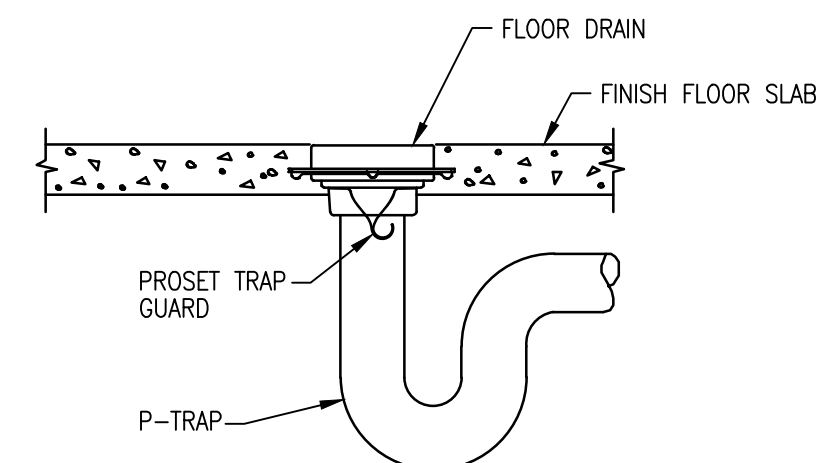
7 STORMWATER LINE - RUNNING TRAP  
P0.01 SCALE: NOT TO SCALE



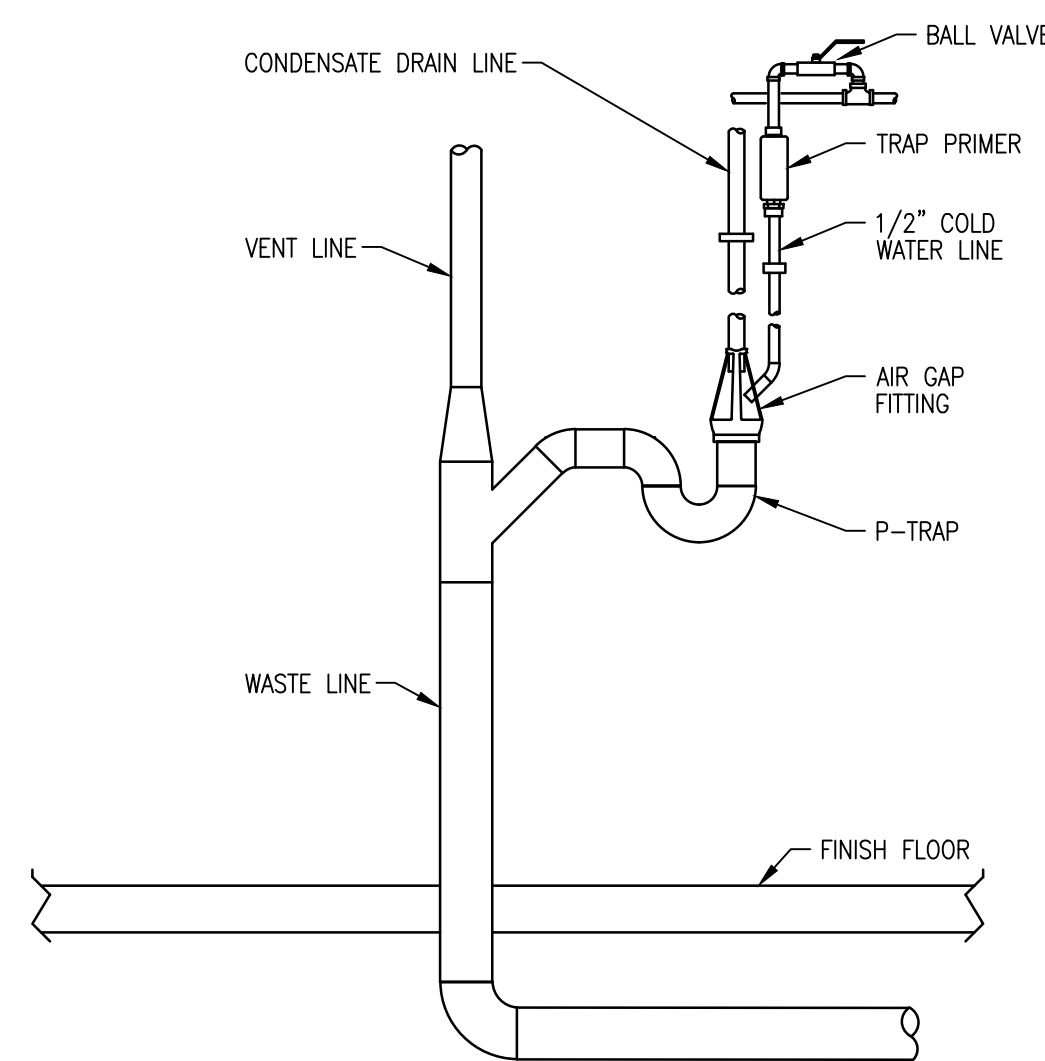
5 FLOOR (INTERIOR) CLEANOUT DETAIL  
P0.01 SCALE: NOT TO SCALE



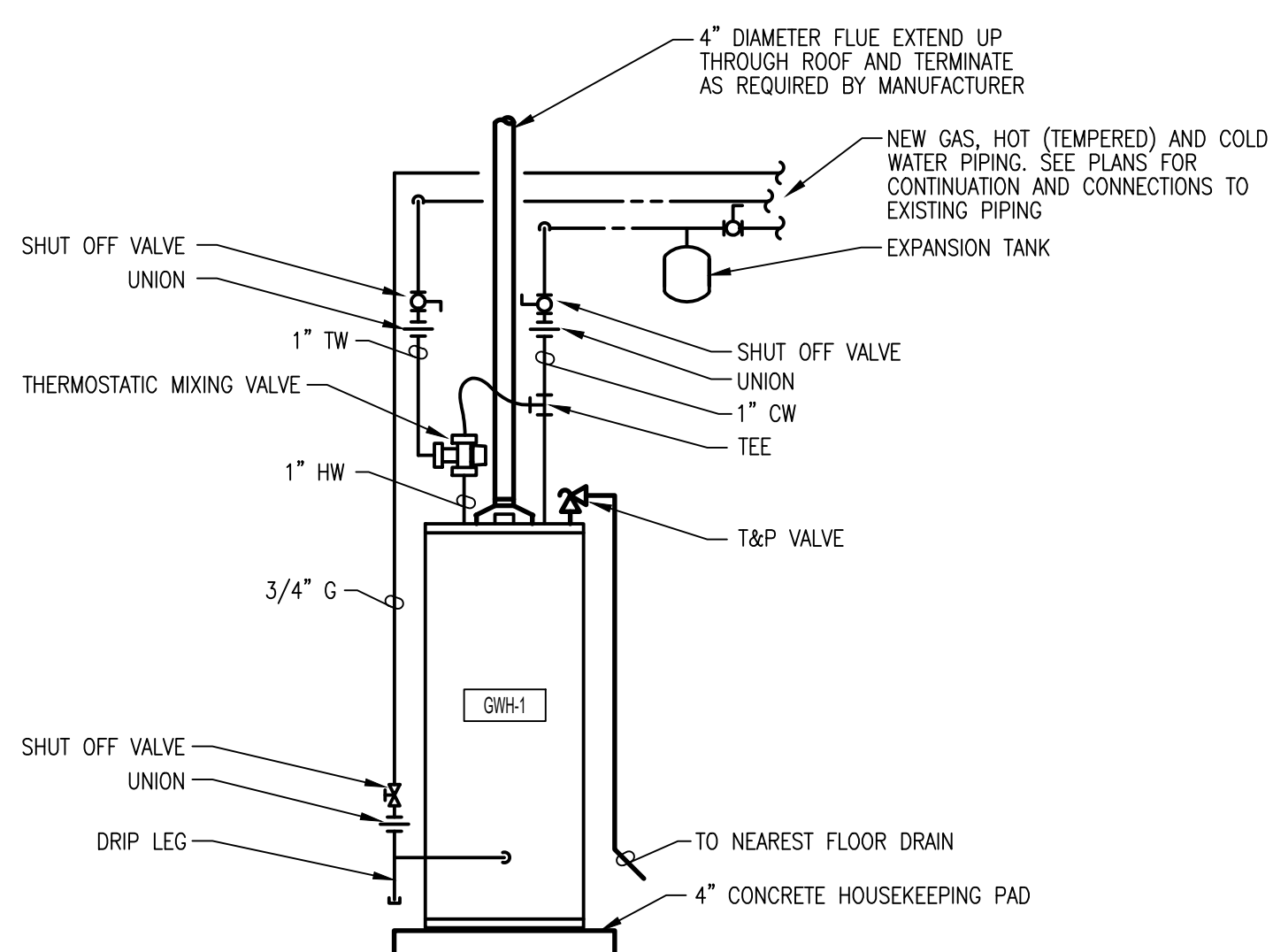
3 YARD (EXTERIOR) CLEANOUT DETAIL  
P0.01 SCALE: NOT TO SCALE



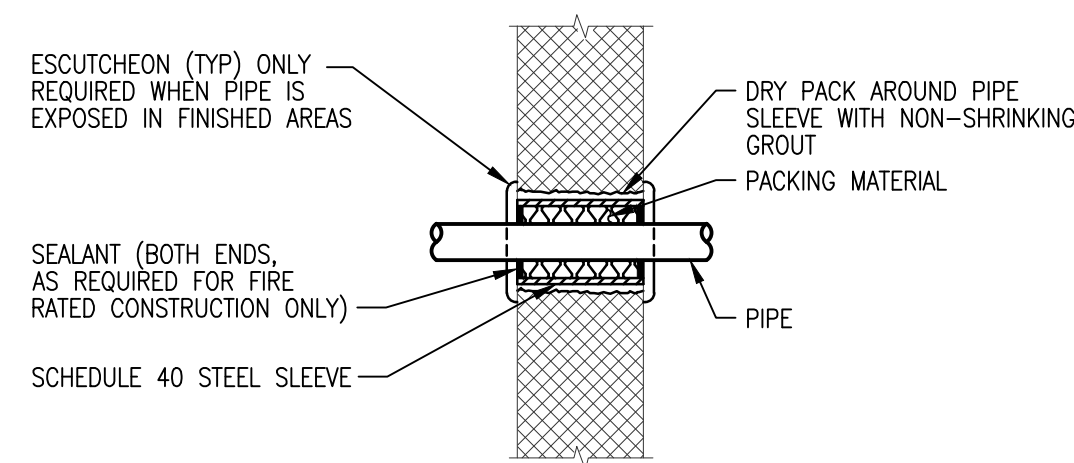
6 FLOOR DRAIN WITH TRAP GUARD DETAIL  
P0.01 SCALE: NOT TO SCALE



4 CONDENSATE (SAFEWASTE) DRAIN DETAIL  
P0.01 SCALE: NOT TO SCALE



1 GAS FIRED DOMESTIC WATER HEATER DETAIL  
P0.01 SCALE: NOT TO SCALE



- NOTES:
- THIS DETAIL APPLIES TO BOTH INSULATE AND NON-INSULATE PIPE.
  - FOR FIRE RATED CONSTRUCTION PROVIDE APPROPRIATE APPROVED THROUGH-PENETRATION FIRESTOP ASSEMBLY TO MAINTAIN THE FIRE RATING OF THE WALL ASSEMBLY.
  - FOR ADDITIONAL REQUIREMENTS REFER TO UL SYSTEM NO. C-AJ-1149

2 PIPE THROUGH MASONRY WALL  
P0.01 SCALE: NOT TO SCALE

## ABBREVIATIONS

ABV APPROX	ABOVE APPROXIMATELY
BLDG	BUILDING
BLW	BELOW
BTU/HR	BRITISH THERMAL UNITS PER HOUR
CO	CLEANOUT
CW	CONDENSATE COLD WATER
CX	CONNECT TO EXISTING
DESIG	DESIGNATION
DF	DRINKING FOUNTAIN DIAMETER
DN	DOWN
EX	EXISTING
ETR	EXISTING TO REMAIN
F	DEGREES FAHRENHEIT
FD	FLOOR DRAIN
FT	FEET OF HEAD
FU	FIXTURE UNITS
G	NATURAL GAS PIPE
GAL	GALLON, GALLONS
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
HB	HOSE BIBB
HP	HORSEPOWER
HW	DOMESTIC HOT WATER
IN	INCH, INCHES
KW	KILOWATTS
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MECH	MECHANICAL
NIC	NOISE CRITERIA OR NORMALLY CLOSED
NOM	NOT IN CONTRACT
NFWH	NON-FREEZE WALL HYDRANT NORMALLY OPEN
%	PERCENT
PH	PHASE
PSI	POUNDS PER SQUARE INCH POUNDS
RPM	REVOLUTIONS PER MINUTE
SAN	SANITARY, SOIL, WASTE
SW	STORMWATER
TYP	TYPICAL
V	VOLTS, VACUUM PIPE
VP	SANITARY VENT PIPE
VTR	VENT THROUGH ROOF
W	WIDTH
W/W	WITH WALL HYDRANT

## PLUMBING LEGEND

SYMBOL	DESCRIPTION
---	SOIL, WASTE, OR SANITARY PIPE
---	VENT PIPE
---ST---	STORMWATER PIPE
---CD---	CONDENSATE DRAIN PIPE
---PC---	PUMPED CONDENSATE PIPE
---	DOMESTIC COLD WATER PIPE
---	DOMESTIC HOT WATER PIPE
---	DOMESTIC HOT WATER RETURN PIPE
---	DOMESTIC TEMPERED WATER PIPE
---	SPRINKLER SUPPLY PIPE
---	FIRE LINE PIPE
---	PIPE (SOLID) OVER PIPE (BROKEN)
CO	CLEANOUT (WALL/INLINE & FLOOR)
⊘	SHUT-OFF OR GATE VALVE (NO/NC)
⊘	BALL VALVE (NO/NC)
⊘	GLOBE VALVE (NO/NC)
▷	PIPE REDUCER; ECCENTRIC
▷	PIPE REDUCER; CONCENTRIC
⊘	SPRINKLER HEAD
└	BRANCH TAKE OFF
○	PIPE DROP END
○	PIPE DROP TEE
○	PIPE RISE TEE
⊘	PIPE WITH CAP
⊘	PIPE WITH OPEN END
⊘	PIPE CONTINUATION, BEAK SYMBOL
⊘	VENT THRU ROOF
HB/NFWH	HOSE BIBB / NON-FREEZE WALL HYDRANT
FD-X	FLOOR DRAIN
→	PIPE SYSTEM FLOW SYMBOL
⊘	POINT OF CONNECTION, NEW TO EXISTING
⊘	POINT OF DISCONNECTION FROM EXISTING
①	KEY NOTE SYMBOL FOR SPECIFIC NOTE; APPLIES TO DRAWING ON WHICH IT OCCURS

## DESIGNATIONS

### EQUIPMENT & FIXTURE DESIGNATIONS

DWH	DOMESTIC WATER HEATER
P--	PLUMBING FIXTURE

### DRAWING & PLAN DESIGNATIONS

⊘	SECTION REFERENCE: (SEE DATA BELOW FOR DETAILS)
#	DETAIL = LETTER / SECTION = NUMBER
SHT	DRAWING TITLE SCALE
⊘	SHEET NUMBER FROM WHICH THE PARTIAL, SECTION, ELEVATION, OR DETAIL IS DRAWN
PLAN NORTH	NORTH ARROW
⊘	TRUE NORTH

## GENERAL NOTES

- WORK SHALL CONFORM TO THE CONTRACT DRAWINGS, SPECIFICATIONS AND THE LATEST APPLICABLE INTERNATIONAL MECHANICAL AND PLUMBING CODE AND THE NATIONAL ELECTRIC CODE AND THE PHILADELPHIA PLUMBING CODE. WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA 70, THE NATIONAL ELECTRICAL CODE, THE NATIONAL ELECTRICAL SAFETY CODE, OSHA AND NATIONAL SAFETY CODE REQUIREMENTS.
- THE SCOPE OF WORK INDICATED IN THESE DOCUMENTS SHALL INCLUDE ALL PLUMBING SYSTEMS, FULLY ADJUSTED, TESTED AND READY TO USE. PROVIDE ITEMS NECESSARY TO COMPLETE THE SYSTEMS. EXAMINE WORK INDICATED FOR TRADES IN ORDER TO DETERMINE THE EXTENT OF THE WORK REQUIRED TO BE COMPLETED.
- IT IS THE INTENTION OF THESE DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN "FURNISH AND INSTALL COMPLETE, TESTED AND READY FOR USE."
- THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW EVERY COMPONENT AND/OR ACCESSORY REQUIRED FOR A COMPLETE INSTALLATION. THE CONTRACTOR SHALL PROVIDE ITEMS NECESSARY FOR A PROPERLY WORKING SYSTEM IN COMPLIANCE WITH ACCEPTED INDUSTRY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- PRIOR TO BID, THE CONTRACTOR SHALL VISIT THE SITE AND IDENTIFY ITEMS THAT MAY AFFECT THEIR BID. PRIOR TO THE INSTALLATION, FABRICATION, REMOVAL, OR RELOCATION OF ANY WORK, THE CONTRACTORS SHALL REVIEW THE ACTUAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND SHALL COORDINATE WORK WITH THE PLANS, EXISTING EQUIPMENT AND SYSTEMS, BUILDING STRUCTURE AND WORK OF OTHER TRADES. WHERE CONFLICTS OCCUR, OR IF CONNECTIONS THERETO CAN NOT BE MADE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO MATERIAL FABRICATION OR INSTALLATION.
- WHERE THE WORK OF VARIOUS TRADES WILL BE INSTALLED IN CLOSE PROXIMITY TO ONE ANOTHER OR WHERE THERE IS EVIDENCE THAT THE WORK OF ONE TRADE WILL INTERFERE WITH WORK OF ANOTHER, THE CONTRACTOR SHALL WORK OUT SPACE CONDITIONS TO MAKE A SATISFACTORY ADJUSTMENT. IF THE CONTRACTOR ALLOWS ONE TRADE TO INSTALL HIS WORK BEFORE COORDINATING WITH WORK OF OTHER TRADES THE CONTRACTOR SHALL MAKE NECESSARY CHANGES TO CORRECT THE CONDITIONS IN A MANNER ACCEPTABLE TO THE OWNER AND THE CONTRACTOR SHALL BEAR THE COST OF SUCH CORRECTIONS.
- THE CONTRACTOR SHALL LOCATE EQUIPMENT WHICH MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE POSITION. EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, VALVES, MOTORS, CONTROLLERS, DRAIN PANS, ETC. IF REQUIRED FOR ACCESSIBILITY, FURNISH ACCESS DOORS FOR THE PURPOSE. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ALLOW FOR BETTER ACCESSIBILITY.
- WORK IN OCCUPIED SPACE SHALL BE COORDINATED WITH THE OWNER. SHOULD ANY OUTAGES BE REQUIRED IN THE COURSE OF THIS PROJECT, THE CONTRACTOR SHALL COORDINATE SUCH OUTAGES WITH THE OWNER'S DESIGNATED REPRESENTATIVE, SCHEDULING ANY OUTAGES DURING THE NON WORKING HOURS, SO AS NOT TO EFFECT FACILITY OPERATIONS, 72 HOURS NOTICE WILL BE REQUIRED PRIOR TO ANY OUTAGE. NO OUTAGE MAY BE EXECUTED PRIOR TO APPROVAL OF THE OWNER'S DESIGNATED REPRESENTATIVE AND THE FACILITY MANAGER.
- THE CONTRACTOR SHALL LEAVE THE ENTIRE PLUMBING SYSTEM INSTALLED UNDER THIS CONTRACT IN PROPER WORKING ORDER AND SHALL, WITHOUT CHARGE, REPLACE ANY WORK OR MATERIALS WHICH DEVELOP DEFECTS, EXCEPT FROM ORDINARY WEAR AND TEAR, WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL, DURING THE ONE YEAR WARRANTY PERIOD, BE RESPONSIBLE FOR PROPER REPAIR AND ADJUSTMENTS OF PLUMBING SYSTEMS AND EQUIPMENT, APPARATUS, DEVICES ETC. INSTALLED BY HIM, AND DO WORK NECESSARY TO ENSURE EFFICIENT AND PROPER FUNCTIONING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL INCUR FINANCIAL RESPONSIBILITIES FOR, ANY DAMAGES CAUSED BY OR RESULTING FROM DEFECTS IN HIS WORK.
- WALL OPENINGS RESULTING FROM DEMOLITION SHALL BE CLOSED AND FINISHED TO MATCH EXISTING.
- FINISHES DAMAGED DURING THE PROJECTS SHALL BE REPAIRED TO MATCH EXISTING.
- REFER TO ARCHITECTURAL DRAWING G0.1 FOR PLUMBING FIXTURES INSTALLATION DETAILS.
- REFER TO ARCHITECTURAL DRAWING A1.1 AND A4.0 FLOOR PLANS FOR FINAL LOCATIONS OF PLUMBING FIXTURES.
- REFER TO ARCHITECTURAL DRAWING A4.0 ENLARGED PLANS AND ELEVATIONS OF PLUMBING FIXTURES.

## PLUMBING FIXTURE ROUGH-IN SCHEDULE

NO.	FIXTURE	CW	HW	SAN	VENT	REMARKS
P-1	WATER CLOSET	1/2"	--	4"	2"	NOTE 2
P-1A	WATER CLOSET	1/2"	--	4"	2"	ADA COMPLIANT, NOTE 2
P-2	URINAL (ADA)	3/4"	--	2"	1-1/2"	ADA COMPLIANT, NOTE 1, 2
P-3	LAVATORY SINK	1/2"	1/2"	2"	1-1/2"	NOTE 2
P-3A	LAVATORY SINK	1/2"	1/2"	2"	1-1/2"	ADA COMPLIANT, NOTE 2
P-4	WATER COOLER	1/2"	--	2"	1 1/2"	ADA COMPLIANT, NOTE 2
P-5	KITCHEN SINK	1/2"	1/2"	2"	1 1/2"	ADA COMPLIANT, NOTE 2
P-6	SERVICE BASIN (MOP)	3/4"	3/4"	3"	2"	NOTE 2
P-7	DRINKING FOUNTAIN (OUTDOOR)	1/2"	--	2"	1-1/2"	NOTE 2

- NOTES:  
1.) PROVIDE WALL MOUNTED SUPPORT  
2.) REFER TO SPECIFICATIONS FOR BASIS OF DESIGN FIXTURES

## DOMESTIC WATER HEATER SCHEDULE

DESIG.	CAPACITY (GAL)	BTU/HR. INPUT	GAS SUPPLY PRESSURE	FLUE SIZE	RECOVERY RATE (GPH)	TEMP RISE (F°)	VOLTAGE	PHASE	BASIS	SHIPPING WEIGHT	REMARKS
GWH-1	40	40,000	5"-14" W.C.	4"	43	90	120	1	BRADFORD WHITE RG240L6N	134 Lbs.	SEE DETAIL

REVISIONS		
ISSUE	DATE	DESCRIPTION



PROJECT COORDINATOR  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Charles Mottershead, 215.683-4466

## SEAL



## PROJECT TEAM

### ARCHITECT:

JMT I ARCHITECTURE  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
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PERMIT SET - 10/23/2020

CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE  
NELSON PLAYGROUND

## DRAWING TITLE

SYMBOLS, NOTES, SCHEDULES, DETAILS AND ABBREVIATIONS - PLUMBING

PROJECT NO.  
18-00355-001

DATE: 10.23.2020

SCALE: AS NOTED

DRAWN BY: BFL

CHECKED BY: GSC

DRAWING NO.

P0.01

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

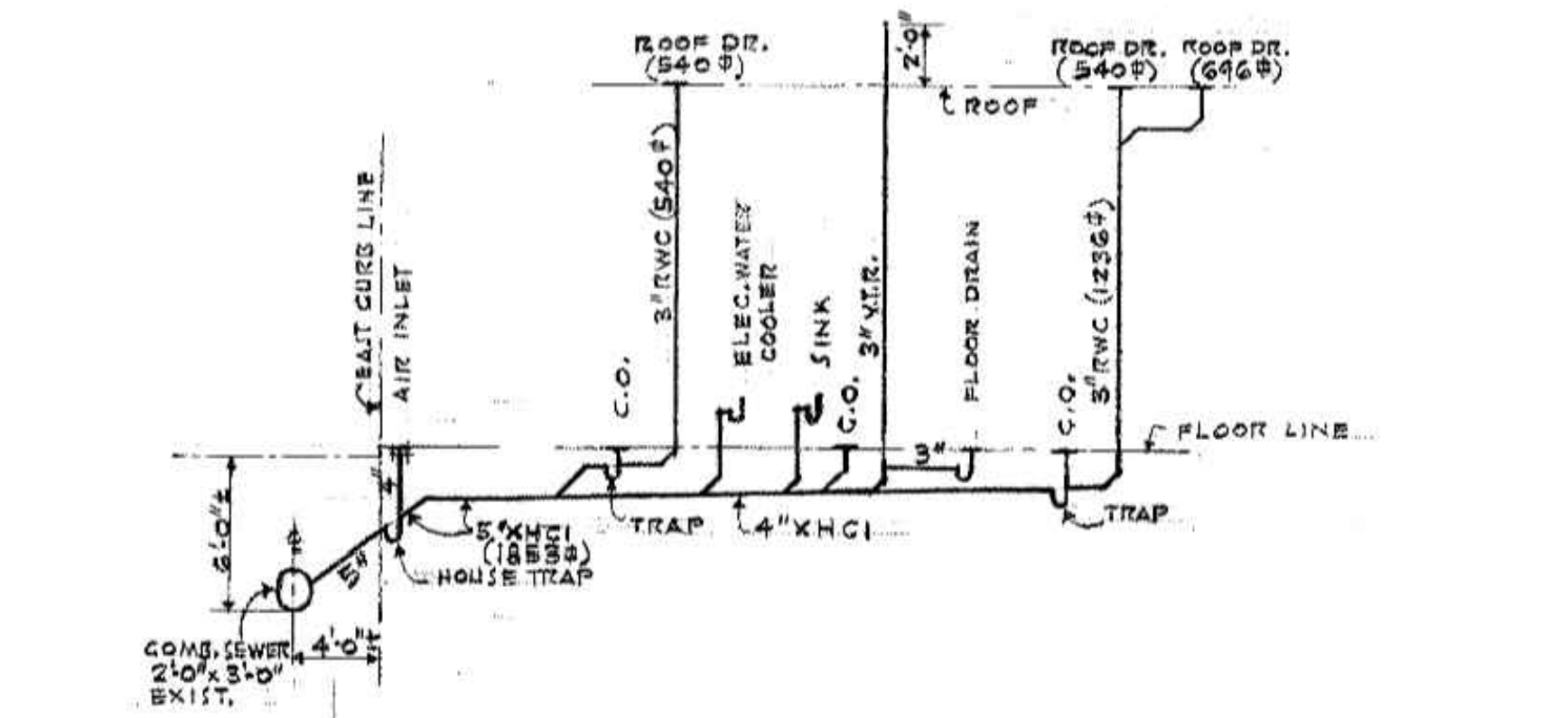


**GENERAL SHEET NOTES:**

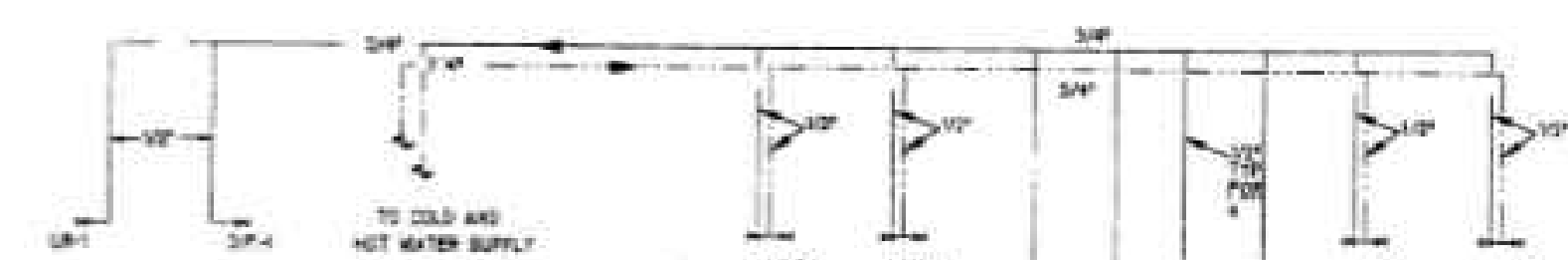
1. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
2. DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE ANY PLUMBING AND RELATED ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS.
3. ALL EXISTING SANITARY SEWER, WASTE, VENT, STORMWATER, AND DOMESTIC WATER PIPING SHALL REMAIN UNLESS NOTED OTHERWISE. DESIGN INTENT IS TO UTILIZE AS MUCH OF THE EXISTING PIPING AS POSSIBLE.

**SHEET KEYNOTES: DEMOLITION**

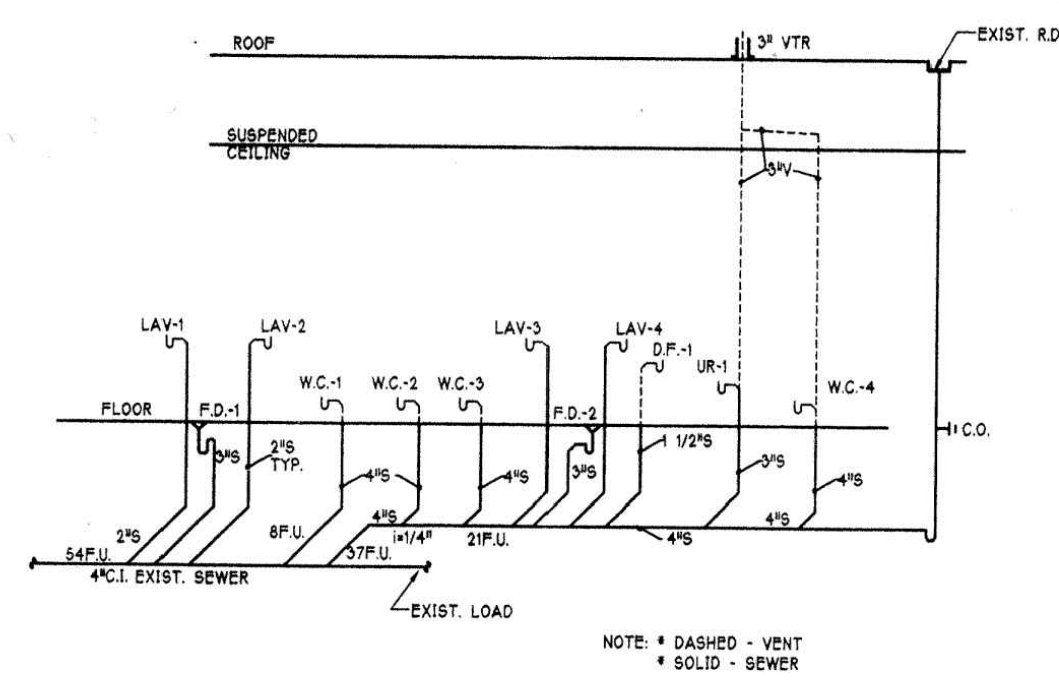
1. EXISTING 5" CAST IRON SANITARY SEWER MAIN BELOW SLAB TO REMAIN.
2. EXISTING 4" CAST IRON SANITARY SEWER MAIN BELOW SLAB TO REMAIN.
3. EXISTING FLOOR DRAIN AND ASSOCIATED PIPING TO REMAIN.
4. EXISTING ROOF DRAIN/STORMWATER PIPING BELOW SLAB OR ABOVE CEILING TO REMAIN.
5. CUT, REMOVE AND REPLACE EXISTING CONCRETE FLOOR SLAB AS REQUIRED TO INSTALL NEW PIPING. SEE FOUNDATION PLAN - PLUMBING NEW, DRAWING P1.01. FLOOR SLAB CUT, REMOVAL AND REPLACEMENT TO BE PERFORMED BY THE GENERAL CONTRACTOR.
6. ALL SANITARY SEWER, WASTE AND VENT PIPING BELOW EXISTING FLOOR SLAB IN THIS AREA SHALL REMAIN INTACT UNLESS OTHERWISE NOTED.
7. EXISTING 2" CAST IRON WASTE LINE BELOW SLAB TO REMAIN.
8. DISCONNECT AND CAP EXISTING WASTE PIPING UP TO JANITOR'S BELOW FINISH FLOOR. COORDINATE WITH GENERAL CONTRACTOR.
9. EXISTING 3" STORMWATER LINE BELOW SLAB. ABANDONED DURING PREVIOUS WORK.
10. CUT, REMOVE AND REPLACE 18"x18" SECTION OF EXISTING CONCRETE FLOOR AT WATER CLOSET FLANGE. REMOVE EXISTING WATER CLOSET FLANGE AND PREP WASTE PIPING FOR INSTALLATION OF NEW CLOSET FLANGE. FLOOR SLAB CUT, REMOVAL AND REPLACEMENT TO BE PERFORMED BY THE GENERAL CONTRACTOR.
11. DISCONNECT AND CAP EXISTING WASTE LINE BELOW FINISH FLOOR. COORDINATE WITH GENERAL CONTRACTOR.
12. DISCONNECT AND CAP EXISTING WASTE LINE BELOW FINISH FLOOR. COORDINATE WITH GENERAL CONTRACTOR AND WALL REMOVAL.
13. EXISTING WATER HEATER SHOWN AT THIS LOCATION HAS BEEN PREVIOUSLY REMOVED BY THE OWNER. NO DEMOLITION WORK RELATED TO THIS WATER HEATER.
14. DISCONNECT AND REMOVE EXISTING FLOOR DRAIN. CAP WASTE LINE BELOW FINISH FLOOR AND COORDINATE WITH GENERAL CONTRACTOR.
15. DISCONNECT AND REMOVE EXISTING SANITARY SEWER MAIN JUST OUTSIDE THE EXISTING EXTERIOR BUILDING WALL. SEE FOUNDATION PLAN - PLUMBING NEW, DRAWING P1.01 FOR SCOPE OF WORK RELATED TO THIS PIPING.



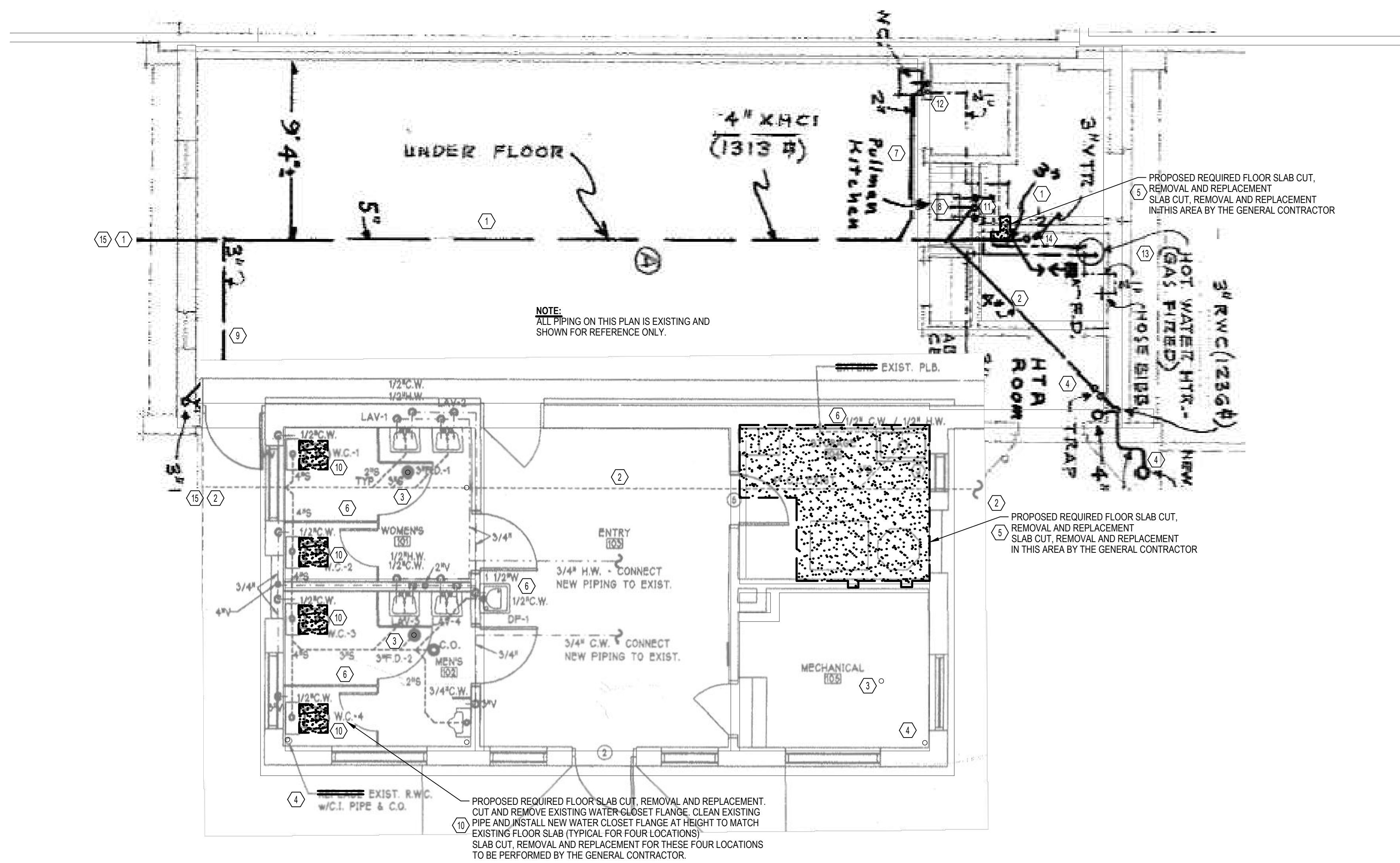
**EXISTING SANITARY / STORMWATER RISER DIAGRAM - BACK PORTION OF BUILDING**  
SCALE: NOT TO SCALE EXISTING RISER PROVIDED FOR INFORMATION ONLY



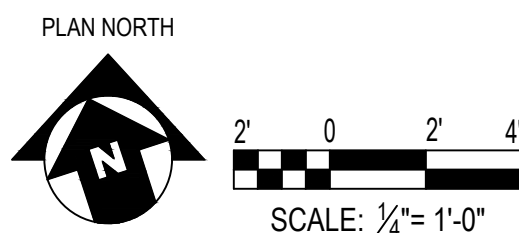
**EXISTING DOMESTIC WATER RISER DIAGRAM - FRONT PORTION OF BUILDING**  
SCALE: NOT TO SCALE EXISTING RISER PROVIDED FOR INFORMATION ONLY



**EXISTING SANITARY / STORMWATER RISER DIAGRAM - FRONT PORTION OF BUILDING**  
SCALE: NOT TO SCALE EXISTING RISER PROVIDED FOR INFORMATION ONLY



**FOUNDATION PLAN - PLUMBING DEMOLITION**  
SCALE: 1/4" = 1'-0"



REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Charles Mottershead, 215.683-4466



**PROJECT TEAM**  
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CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
FOUNDATION PLAN - PLUMBING DEMOLITION

<b>PROJECT NO.</b> 18-00355-001	<b>DRAWING NO.</b> <b>PD1.01</b>
<b>DATE:</b> 10.23.2020	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> BFL	
<b>CHECKED BY:</b> GSC	<b>FILE:</b>

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

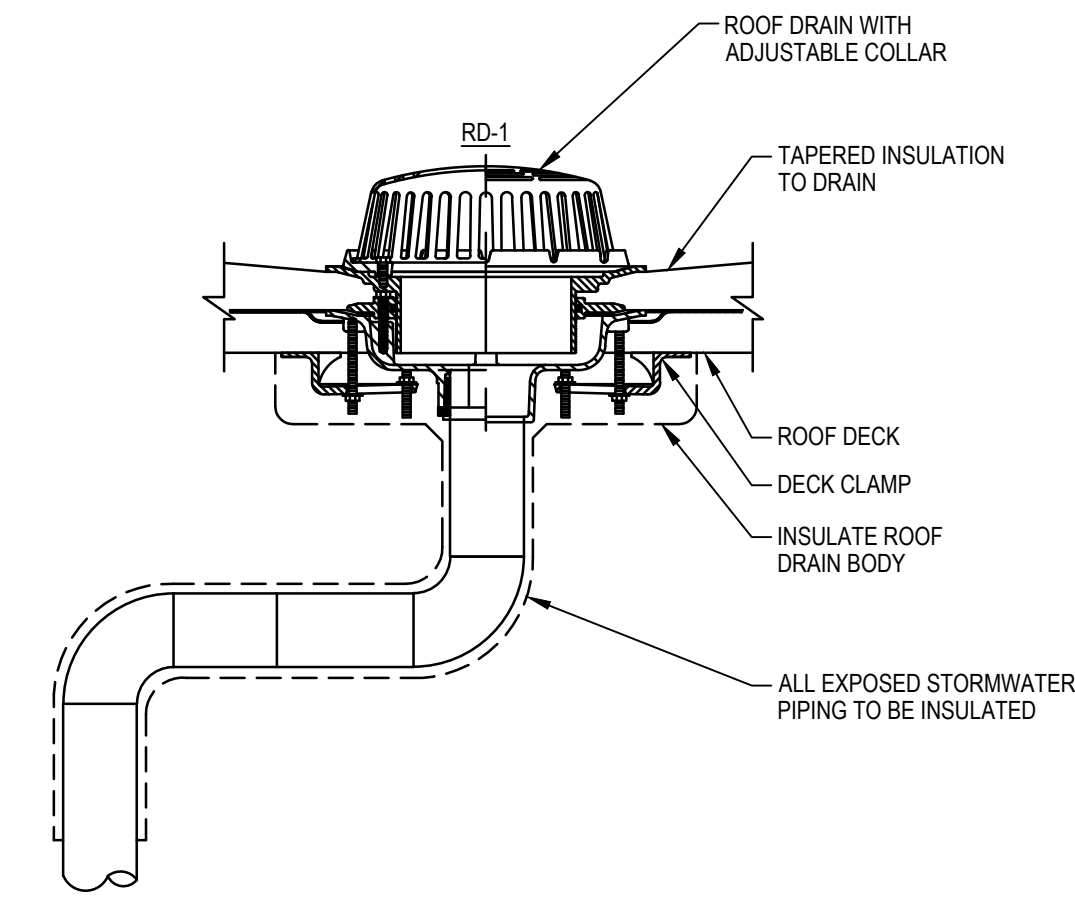
PERMIT SET - 10/23/2020



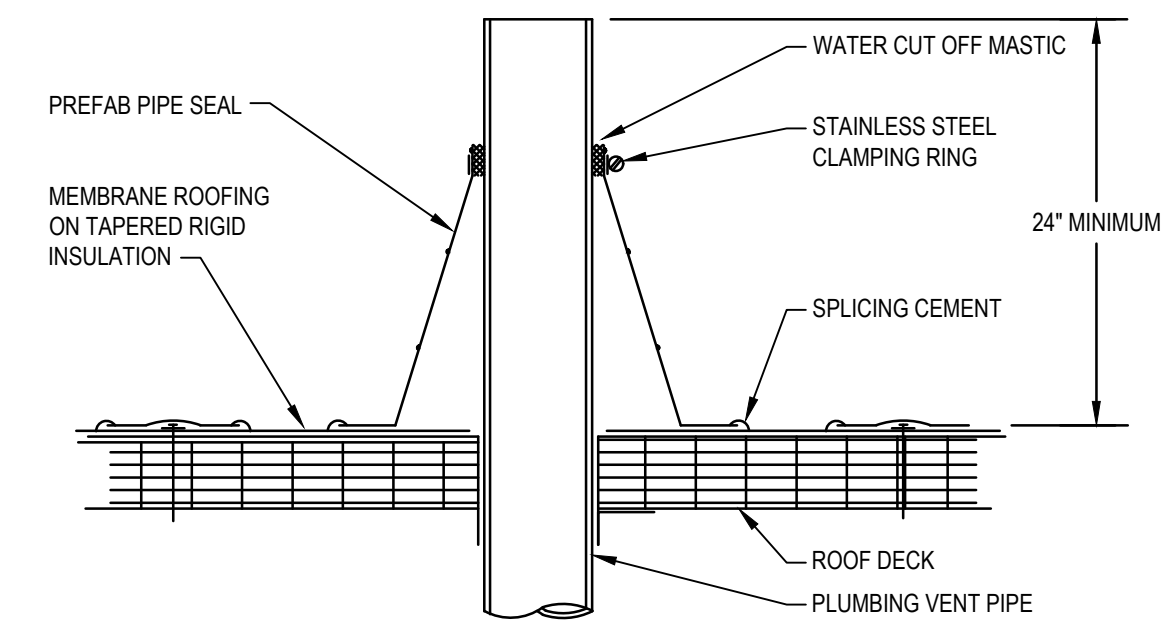




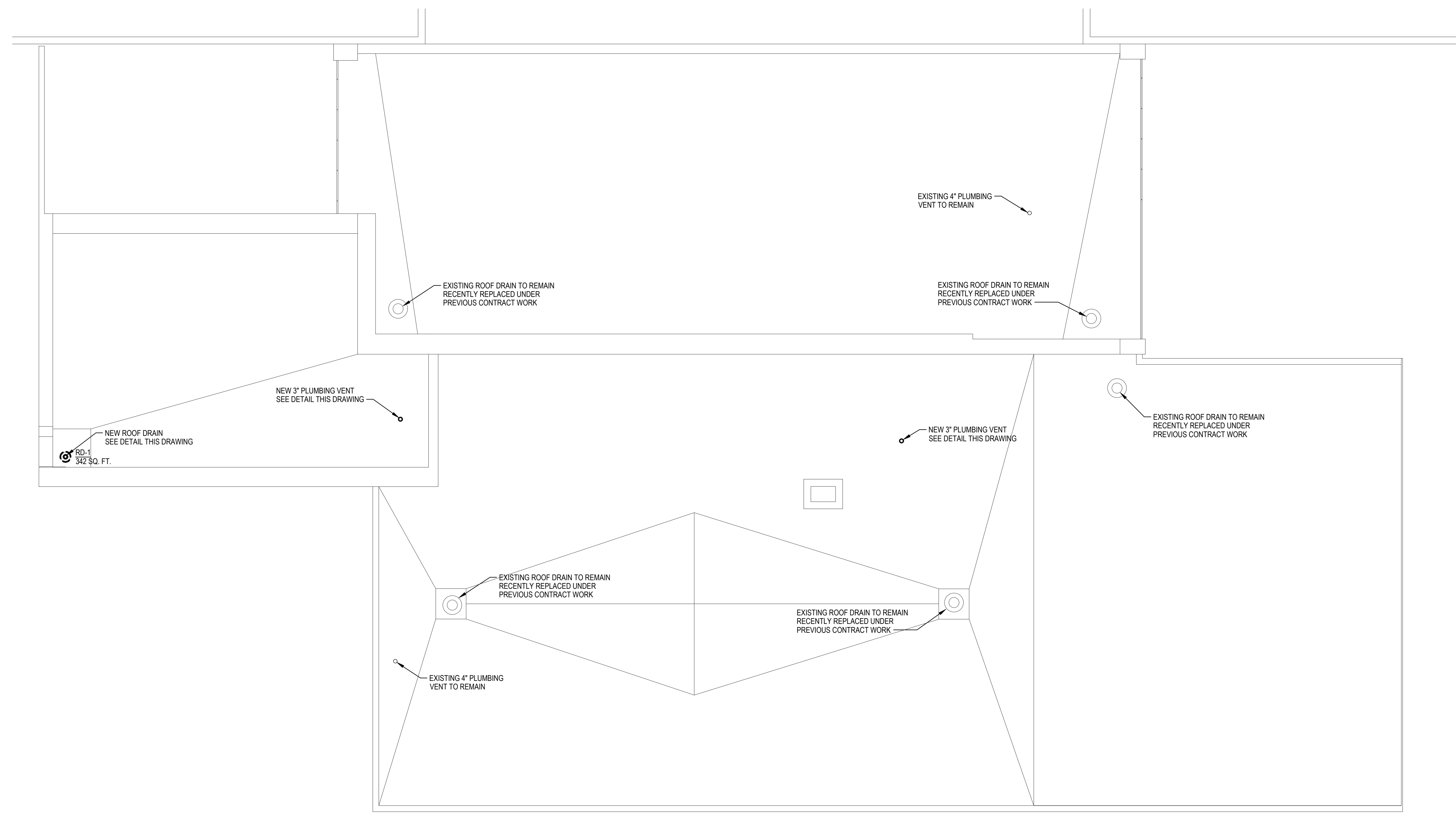




2 ROOF DRAIN DETAIL  
P1.03 SCALE: NOT TO SCALE



1 VENT THROUGH ROOF DETAIL  
P1.03 SCALE: NOT TO SCALE



ROOF PLAN - PLUMBING NEW  
SCALE: 1/4" = 1'-0"

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
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**PROJECT TEAM**

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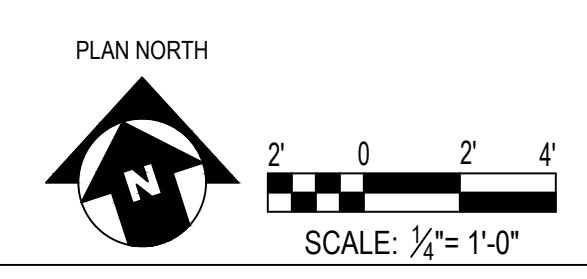
PROJECT TITLE  
NELSON PLAYGROUND

DRAWING TITLE  
ROOF PLAN - PLUMBING NEW

PROJECT NO. 18-00355-001	DRAWING NO. <b>P1.03</b>
DATE: 10.23.2020	
SCALE: AS NOTED	
DRAWN BY: BFL	
CHECKED BY: GSC	FILE:

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

PERMIT SET - 10/23/2020





**GENERAL NOTES:**

- PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, COORDINATION, ADDITIONAL DESIGN AND ALL INCIDENTALS NECESSARY TO PROVIDE A COMPLETE AND OPERABLE SYSTEM AS DETAILED ON PLANS TO THE SATISFACTION OF THE ENGINEER AND THE OWNER. COORDINATE ALL WORK WITH THE ENGINEER BEFORE THE START OF WORK.
- CONTRACTOR SHALL INCLUDE IN THEIR BID ALL MATERIAL, LABOR AND ALL INCIDENTALS FOR A COMPLETE INSTALLATION WHETHER SPECIFICALLY CALLED FOR OR NOT. ALL ERRORS, DISCREPANCIES AND MISSED ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER DURING THE BIDDING PROCESS BY THE CONTRACTOR. THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE.
- PERFORM WORK AS REQUIRED BY APPLICABLE CODES, REGULATIONS AND LAWS OF LOCAL, STATE AND FEDERAL GOVERNMENTS AND OTHER AUTHORITIES WITH LAWFUL JURISDICTION. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE.
- MATERIAL AND EQUIPMENT SHALL BE UL, NEMA, ANSI, IEEE, ADA & CBM APPROVED FOR INTENDED SERVICE. MATERIAL AND INSTALLATION SHALL MEET REQUIREMENTS OF NATIONAL AND STATE ELECTRICAL CODE.
- COORDINATE ALL ELECTRICAL ITEMS WITH EXISTING FIELD CONDITIONS. LOCATIONS SHOWN ARE APPROXIMATE AND MAY REQUIRE MINOR ADJUSTMENT IN THE FIELD TO SATISFY THE DESIGN INTENT.
- DAMAGE TO EXISTING FACILITIES AND EQUIPMENT SHALL BE REPAIRED OR REPLACED IMMEDIATELY BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- THE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND REQUIRE COORDINATION WITH ALL OTHER TRADES AND VERIFICATION OF EXISTING CONDITIONS. ROUTING OF CONDUIT IS DIAGRAMMATIC IN NATURE AND NOT INTENDED TO SHOW ALL REQUIRED OFFSETS AND DETAILS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING ASSOCIATED EQUIPMENT AND CONDITIONS. COORDINATE THE LOCATION OF ALL EQUIPMENT WITH THE ENGINEER AND THE OWNER. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL OTHER TRADES DRAWINGS AND SPECIFICATIONS AND COORDINATING WITH ALL OTHER TRADES DURING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUITY OF ALL POWER, CONTROL, AND COMMUNICATION FUNCTIONS TO ALL AREAS AFFECTED BY DEMOLITION AND/OR NEW CONSTRUCTION.
- CONTRACTOR SHALL NOT CUT ANY ACTIVE ELECTRICAL OR COMMUNICATIONS LINES DURING CONSTRUCTION. IF THE CONTRACTOR ACCIDENTALLY CUTS A LINE, THEN THEY SHALL CONTACT THE ENGINEER IMMEDIATELY BEFORE PROCEEDING WITH FURTHER WORK.
- CONTRACTOR SHALL SUBMIT FOR APPROVAL, SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIALS USED ON THE PROJECT. SUBMITTALS SHALL BE APPROVED BY THE ENGINEER BEFORE PURCHASE OF MATERIALS.
- PERMANENTLY LABEL ALL NEW ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, DEVICE DESIGNATION AND SUPPLY CIRCUIT DESIGNATION. UPDATE PANEL DIRECTORIES TO INCLUDE NEW CIRCUIT INFORMATION RESULTING FROM THIS PROJECT.
- PROVIDE TEMPORARY POWER AND LIGHTING FOR ALL TRADES AS REQUIRED TO COMPLETE THE PROJECT. ALL TEMPORARY AND INTERIM EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS INCLUDING, BUT NOT LIMITED TO, NFPA 110 AND NFPA 70.
- PROVIDE FIRE SEALANT FOR PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS TO MAINTAIN THE APPLICABLE FIRE RATING. ALL PENETRATIONS OF CORRIDOR WALLS INTO CLASS ROOMS SHALL BE MINIMUM ONE HOUR FIRE RATED THROUGH WALL PENETRATIONS. ALL FIREPROOFING FOR ELECTRICAL PENETRATION SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- THIS CONTRACTOR SHALL PROVIDE ALL OPENINGS, CHASES OR RECESSES IN THE CONSTRUCTION AS MAY BE NECESSARY FOR HIS WORK AND AS APPROVED BY THE ARCHITECT.
- WHERE OPENINGS IN MASONRY ARE REQUIRED, THEY SHALL BE MADE BY CORING ONLY.

**ABBREVIATIONS:**

A	AMPERES	IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
AC	ABOVE COUNTER	IMC	INTERMEDIATE METAL CONDUIT
ADA	AMERICANS WITH DISABILITIES ACT	INT	INTERLOCK
AFF	ABOVE FINISHED FLOOR	KCMIL	THOUSAND CIRCULAR MILS
AFG	ABOVE FINISH GRADE	KVA	KILOVOLT AMPERES
AHJ	AUTHORITY HAVING JURISDICTION	KW	KILOWATTS
AHU	AIR HANDLING UNIT	LTS	LIGHTING
AIC	AMPERE INTERRUPTING CAPACITY	LPMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
AL	ALUMINUM	MAU	MAKE-UP AIR UNIT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MC	METAL CLAD CABLE
ARCH	ARCHITECT	MCB	MAIN CIRCUIT BREAKER
ATC	AUTOMATIC TEMPERATURE CONTROL	MCC	MOTOR CONTROL CENTER
ATS	AUTOMATIC TRANSFER SWITCH	MCP	MOROT CIRCUIT PROTECTOR
AWG	AMERICAN WIRE GAUGE	MISC	MISCELLANEOUS
BFG	BELOW FINISH GRADE	MLO	MAIN LUG ONLY
BLDG	BUILDING	NC	NORMALLY CLOSED
BN	BUILDING NETWORK	NEC	NATIONAL ELECTRIC CODE
C	CONDUIT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CAT	CATALOG	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CB	CIRCUIT BREAKER	NO	NORMALLY OPEN OR NUMBER
CBM	CERTIFIED BALLAST MANUFACTURERS	NTS	NOT TO SCALE
CKT	CIRCUIT	P	POLE
CL	CENTERLINE	PB	PUSH BUTTON
CLF	CURRENT LIMITING FUSE	PNL	PANEL
COL	COLUMN	POS	PROVIDED UNDER OTHER SECTIONS
CPT	CONTROL POWER TRANSFORMER	PVC	POLYVINYL CHLORIDE
CT	CURRENT TRANSFORMER	PWR	POWER
CU	COPPER	QTY	QUANTITY
DWG	DRAWING	REL	RELOCATE
EC	ELECTRICAL CONTRACTOR	REQD	REQUIRED
ECB	ENCLOSED CIRCUIT BREAKER	REX	REPLACE EXISTING
EF	EXHAUST FAN	RMC	RIGID METAL CONDUIT
ELEV	ELEVATOR	RMS	ROOT MEAN SQUARED
EM	EMERGENCY	RNMC	RIGID NON-METALLIC CONDUIT
EMT	ELECTRICAL METALLIC TUBING	RTU	ROOF TOP UNIT
EPO	EMERGENCY POWER OFF	RX	REMOVE EXISTING
ETR	EXISTING TO REMAIN	SP	SPARE
ETBR	EXISTING TO BE RELOCATED	SW	SWITCH
EWC	ELECTRIC WATER COOLER	SYM	SYMMETRICAL
EX	EXISTING	TEL	TELEPHONE
F	FUSE	TGB	TELECOMMUNICATION GROUNDING BAR
FA	FIRE ALARM	TMCB	THERMAL MAGNETIC CIRCUIT BREAKER
FAAP	FIRE ALARM ANNUNCIATOR PANEL	TMGB	TELECOMMUNICATION MAIN GROUNDING BAR
FACP	FIRE ALARM CONTROL PANEL	TYP	TYPICAL
FLA	FULL LOAD AMPERES	UG	UNDERGROUND OR UNDERGRADE
FMC	FLEXIBLE METAL CONDUIT	UL	UNDERWRITERS LABORATORIES
FT	FEET	V	VOLT
GFI	GROUND FAULT INTERRUPT	VT	VOLTAGE TRANSFORMER
GND, G	GROUND OR GROUNDING	W	WIRE
GRNC	GALVANIZED RIGID METALLIC CONDUIT	WG	WIRE GUARD
HOA	HAND, OFF, AUTOMATIC SWITCH	WH	WATER HEATER
		WP	WEATHER PROOF
		WR	WEATHER RESISTANT
		XFMR	TRANSFORMER
		Δ	DELTA
		Y	WYE
		∅	PHASE

**SYMBOL LEGEND**

SYMBOL	DESCRIPTION
	NORMAL LIGHT FIXTURE
	WALL MOUNTED LIGHT
	INDUSTRIAL LIGHT FIXTURE
	EXIT LIGHT - WALL OR CEILING MOUNTED (COORDINATE MOUNTING, FACES, AND ARROWS WITH DRAWINGS)
	EMERGENCY LIGHT
	PHOTOCCELL
	TIMECLOCK
	DAYLIGHT HARVEST
	OCCUPANCY SENSOR
	ROOM CONTROLLER
	TYPICAL LIGHT FIXTURE DESIGNATION, CIRCUIT AND CONTROL X = DESIGNATION (REFER TO LIGHTING FIXTURE SCHEDULE) XX-XX = PANEL AND CIRCUIT NUMBER x = SWITCH LEG OR ZONE IF NOTHING LISTED LIGHT FIXTURE CONTROLLED BY LOCAL SWITCH, REFER TO LIGHTING CONTROL DETAILS
	125 VOLT, 20 AMP DUPLEX RECEPTACLE. "2" DENOTES CIRCUIT NUMBER.
	125 VOLT, 20 AMP DOUBLE DUPLEX RECEPTACLE
	125 VOLT, 20 AMP DUPLEX RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT INTERRUPTER.
	125 VOLT, 20 AMP, DUPLEX RECEPTACLE OUTLET FLOOR/CEILING MOUNTED.
	SPECIAL PURPOSE RECEPTACLE, WALL MOUNTED
	DIGITAL SWITCH (NON-DIMMING)
	DIGITAL SWITCH (DIMMING)
	MOTOR RATED SWITCH
	JUNCTION BOX
	SPEAKER
	DATA OUTLET
	CABLE TV OUTLET
	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM AUDIO/VISUAL SIGNALING DEVICE FLUSH CEILING MOUNTED, 75cd - DENOTES CANDELA RATING
	FIRE ALARM AUDIO/VISUAL SIGNALING DEVICE WALL MOUNTED 75cd - DENOTES CANDELA RATING
	FIRE ALARM VISUAL SIGNALING DEVICE WALL MOUNTED 75cd - DENOTES CANDELA RATING
	FIRE ALARM AUDIBLE SIGNALING DEVICE WALL MOUNTED
	FIRE ALARM AUDIO/VISUAL SIGNALING DEVICE FLUSH CEILING MOUNTED 75cd - DENOTES CANDELA RATING
	FIRE ALARM SYSTEM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	SMOKE DETECTOR
	DUCT DETECTOR
	CO DETECTOR
	CIRCUIT BREAKER
	NON-FUSED DISCONNECT SWITCH, SIZE AS INDICATED WHERE: *AF* - INDICATES AMPERE SWITCH SIZE *NF* - DENOTES NON-FUSED *P* - DENOTES POLE *3R* - DENOTES NEMA TYPE ENCLOSURE
	FUSED DISCONNECT SWITCH, SIZE AS INDICATED WHERE: *AF* - INDICATES AMPERE SWITCH SIZE *AT* - INDICATES AMPERE FUSE SIZE *P* - DENOTES POLE *3R* - DENOTES NEMA TYPE ENCLOSURE
	FUSE
	CONTACTOR
	PANELBOARD

**LIGHTING FIXTURE SCHEDULE**

NOTE: VERIFY FINISHES WITH THE ARCHITECT'S DRAWINGS AND FINISH SCHEDULES. FURNISH PROPER MOUNTING FRAMES, BRACKETS AND HARDWARE AS REQUIRED TO BE COMPATIBLE WITH ARCHITECTURAL FINISHES.

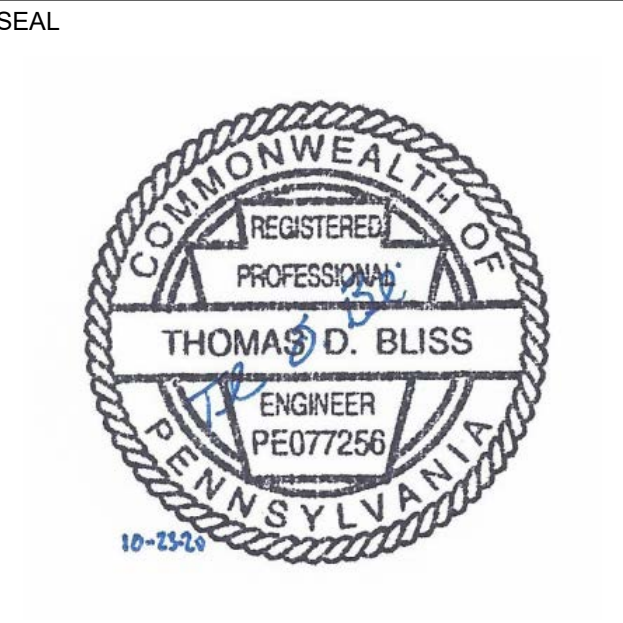
TYPE	MANUFACTURE / MODEL No. (OR APPROVED EQUAL)	LIGHT SOURCE		TOTAL WATTS	MOUNTING	COMMENTS
		VOLTS	TYPE			
A	FAIL-SAFE HVL8-4-LD4-1STD-35-UNV-O-EDD1-S	UNV	3500K LED	34.6	SURFACE	
B	FAIL-SAFE ENV-24-2-LD2-43-35-CP125-UNV-EDD-1	UNV	3500K LED	38.3	RECESSED	PROVIDE ACCESSORY DFVR/ENV-2424W-U
C	FAIL-SAFE ENV-24-4-LD2-45-35-CP125-UNV-EDD-1	UNV	3500K LED	38	RECESSED	PROVIDE ACCESSORY DFVR/ENV-2424W-U
D	FAIL-SAFE HVS2-4-LD4-STD-35-UNV-O-EDD1-PMY	UNV	3500K LED	33.5	PENDANT	PROVIDE AYC CHAIN (LENGTH AS REQUIRED) TO MOUNT FIXTURES AT 8'-0" AFF
E	FAIL-SAFE TRR-15-LD4-2DW-40-CL-BK-UNV-EDC1	UNV	4000K LED	20	CEILING	
F	FAIL-SAFE TRE-15-LD4-2DW-40-CL-BK-UNV-EDC1	UNV	4000K LED	20	WALL MOUNTED	10' A.F.G; COORDINATE EXACT HEIGHT WITH ARCHITECT; ALL LIGHTS SHALL BE MOUNTED AT THE SAME HORIZONTAL LEVEL
G	FAIL-SAFE HOUSING: FLD4BX1SD010 POWER MODULE: FEU4B1/28035 TRIM: F4LBXVM2H6L84	UNV	3500K LED	15.5	RECESSED	
H	FAIL-SAFE ENV-24-4-LD2-54-35-CP125-UNV-EDD-1	UNV	3500K LED	43	RECESSED	PROVIDE ACCESSORY DFVR/ENV-2424W-U
X1	SURE-LITES CX-7-1-WH-SD	UNV	LED	0.98	CEILING/WALL	PROVIDE ACCESSORY VS1. COORDINATE CHEVRONS AND FACES WITH DRAWINGS
EM1	SURE-LITES LEM-SD	UNV	LED	0.52	WALL MOUNTED	PROVIDE POLYCARBONATE VANDAL SHIELD
EM2	SURE-LITES LEM2-SD	UNV	LED	1.12	WALL MOUNTED	PROVIDE POLYCARBONATE VANDAL SHIELD
EM3	SURE-LITES SRM25DBK	UNV	LED	2.5	CEILING/WALL	PROVIDE POLYCARBONATE VANDAL SHIELD

REVISIONS

ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
 Philadelphia Parks & Recreation  
 and Department of Public Property  
 1515 Arch Street, 11th Floor  
 Philadelphia, PA 19102  
 Contact: Charles Mottershead, 215.683-4466



**PROJECT TEAM**

**ARCHITECT:**  
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PROJECT TITLE  
 NELSON PLAYGROUND

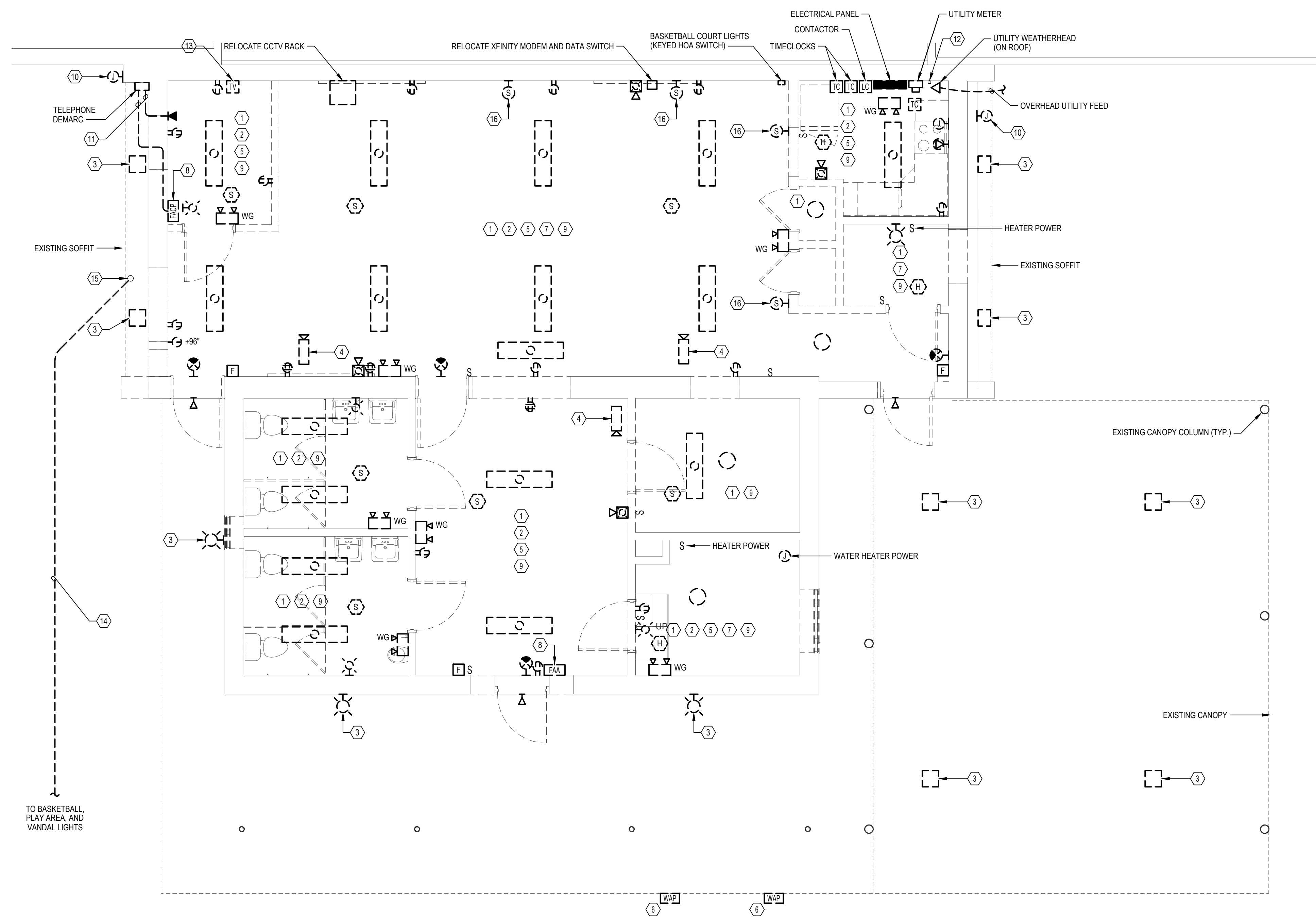
DRAWING TITLE  
 SYMBOLS, SCHEDULES, NOTES, AND ABBREVIATIONS

PROJECT NO. 18-00355-001	DRAWING NO. <b>E0.01</b>
DATE: 10.23.2020	
SCALE: AS NOTED	
DRAWN BY: MJC	
CHECKED BY: TDB	FILE:

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

PERMIT SET - 10/23/2020





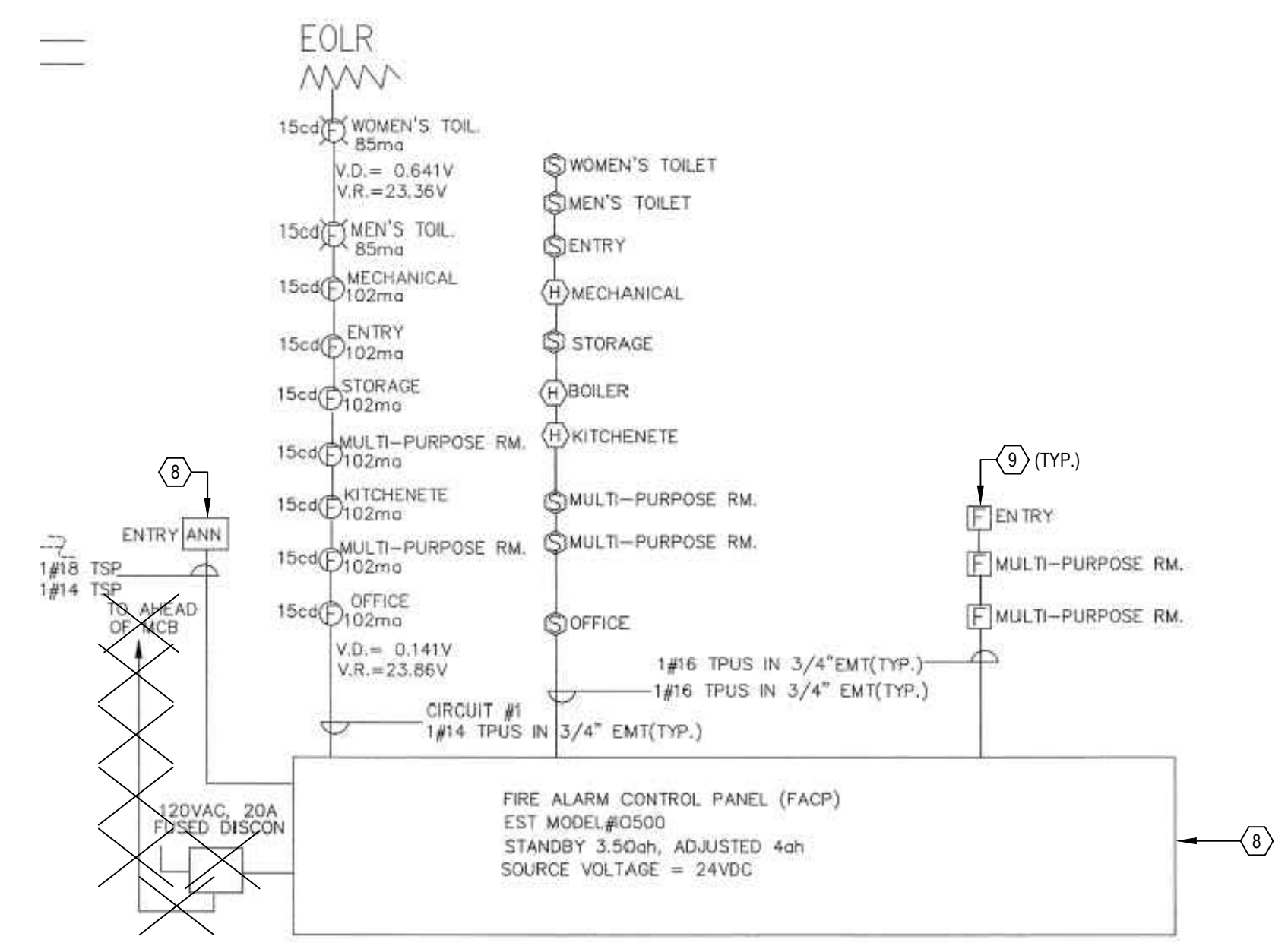
1 FLOOR PLAN - ELECTRICAL DEMOLITION  
E1.01 SCALE: 1/4" = 1'-0"

**GENERAL NOTES:**

1. RECESSED BACKBOXES AND CONCEALED RACEWAYS, IN WALLS/CEILING TO REMAIN, SHALL BE ABANDONED IN PLACE. PROVIDE BLANK STAINLESS STEEL FACEPLATE FOR ABANDONED RECESSED BACKBOXES.

**DEMOLITION NOTES:**

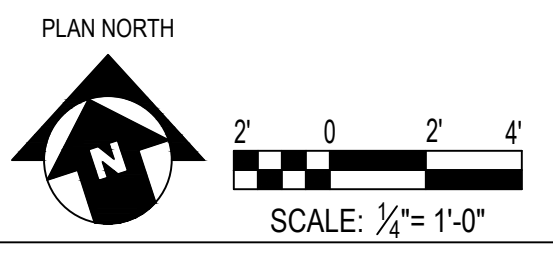
1. REMOVE ALL INTERIOR LIGHT FIXTURES, LIGHT SWITCHES, AND ASSOCIATED CONDUCTORS. REUSE EXISTING RACEWAYS AS NEEDED, UNLESS OTHERWISE NOTED. PATCH AND REPAIR AFFECTED SURFACES TO MATCH EXISTING.
2. REMOVE ALL EXIT SIGNS, EMERGENCY LIGHTS, WIREGUARDS, AND ASSOCIATED CONDUCTORS. REUSE EXISTING RACEWAYS AS NEEDED, UNLESS OTHERWISE NOTED. PATCH AND REPAIR AFFECTED SURFACES TO MATCH EXISTING.
3. REMOVE ALL EXTERIOR CANOPY AND BUILDING MOUNTED LIGHT FIXTURES, RACEWAY, AND CONDUCTORS. PATCH AND REPAIR AFFECTED SURFACES TO MATCH EXISTING.
4. REMOVE EXISTING CAMERAS AND STORE FOR FUTURE USE. REMOVE ALL RACEWAY AND WIRING BACK TO SOURCE.
5. REMOVE ALL RECEPTACLES AND ASSOCIATED CONDUCTORS. REUSE EXISTING BACKBOXES AND RACEWAY AS NEEDED, UNLESS OTHERWISE NOTED. PATCH AND REPAIR AFFECTED SURFACES TO MATCH EXISTING.
6. EXISTING WIRELESS ACCESS POINTS TO REMAIN. PROTECT DURING CONSTRUCTION.
7. REMOVE RACEWAYS, CONDUCTORS, SWITCHES, AND COMPONENTS ASSOCIATED WITH MECHANICAL EQUIPMENT SCHEDULED TO BE REMOVED. PATCH AND REPAIR AFFECTED SURFACES TO MATCH EXISTING.
8. RELOCATE EXISTING FIRE ALARM CONTROL PANEL AND FIRE ALARM ANNUNCIATOR PANEL. REFER TO ELECTRICAL DRAWING E2.03 FOR NEW LOCATION. PATCH AND REPAIR AFFECTED SURFACES TO MATCH EXISTING.
9. REMOVE ALL FIRE ALARM STROBES, HORNS, HORNSTROBES, WIREGUARD, PULL STATION COVERS, AND SMOKE DETECTORS AND STORE FOR FUTURE USE. REMOVE ALL RACEWAY AND CABLING BACK TO SOURCE. PATCH AND REPAIR AFFECTED SURFACES TO MATCH EXISTING.
10. REMOVE JUNCTION BOX AND ASSOCIATED CONDUCTORS. PATCH AND REPAIR AFFECTED SURFACES TO MATCH EXISTING.
11. REMOVE TELECOMMUNICATION CABLING FROM TELEPHONE NETWORK INTERFACE TO DATA JACK IN OFFICE AND FIRE ALARM CONTROL PANEL. PATCH AND REPAIR AFFECTED SURFACES TO MATCH EXISTING.
12. EXISTING XFINITY COAX CABLE TO REMAIN. PROTECT DURING CONSTRUCTION.
13. CCTV MONITOR TO BE RELOCATED. REFER TO ELECTRICAL DRAWING E2.03 FOR NEW LOCATION. PATCH AND REPAIR AFFECTED SURFACES TO MATCH EXISTING.
14. INTERCEPT EXISTING UNDERGROUND CONDUIT FOR FUTURE HANDHOLE AND EXTENSION OF EXISTING CIRCUITS. SEE DRAWING E2.02 FOR MORE INFORMATION.
15. CUT 2" CONDUIT FLUSH WITH GRADE.
16. REMOVE SPEAKERS AND CABLING, AND STORE FOR FUTURE USE.



2 EXISTING FIRE ALARM RISER  
E1.01 SCALE: NOT TO SCALE

**FIRE ALARM RISER NOTES:**

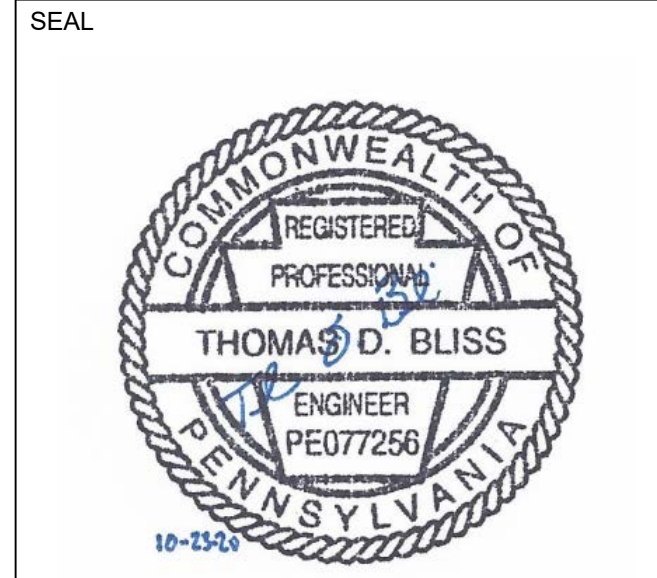
1. CONTRACTOR SHALL ENGAGE AN EST APPROVED INSTALLER TO PERFORM ALL WORK ASSOCIATED WITH THE FIRE ALARM SYSTEM.
2. CONTRACTOR SHALL TEST FIRE ALARM SYSTEM IN ITS ENTIRETY PRIOR TO REMOVAL / RELOCATION OF DEVICES AND EQUIPMENT.
3. IF THE FIRE ALARM SYSTEM FAILS THE TEST, THE CONTRACTOR SHALL REPAIR / REPLACE COMPONENTS AS REQUIRED TO ALLOW FIRE ALARM SYSTEM TO PASS. CONTRACTOR SHALL RERUN TEST AFTER REPAIR / REPLACEMENT COMPONENTS ARE INSTALLED.
4. ONCE THE FIRE ALARM SYSTEM PASSES, THE CONTRACTOR SHALL PROCEED WITH REMOVAL / RELOCATION OF DEVICES AND EQUIPMENT.



REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Charles Mottershead, 215.683-4466



**PROJECT TEAM**  
**ARCHITECT:**  
JMT | ARCHITECTURE  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
1600 MARKET STREET, SUITE 520  
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CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE  
NELSON PLAYGROUND

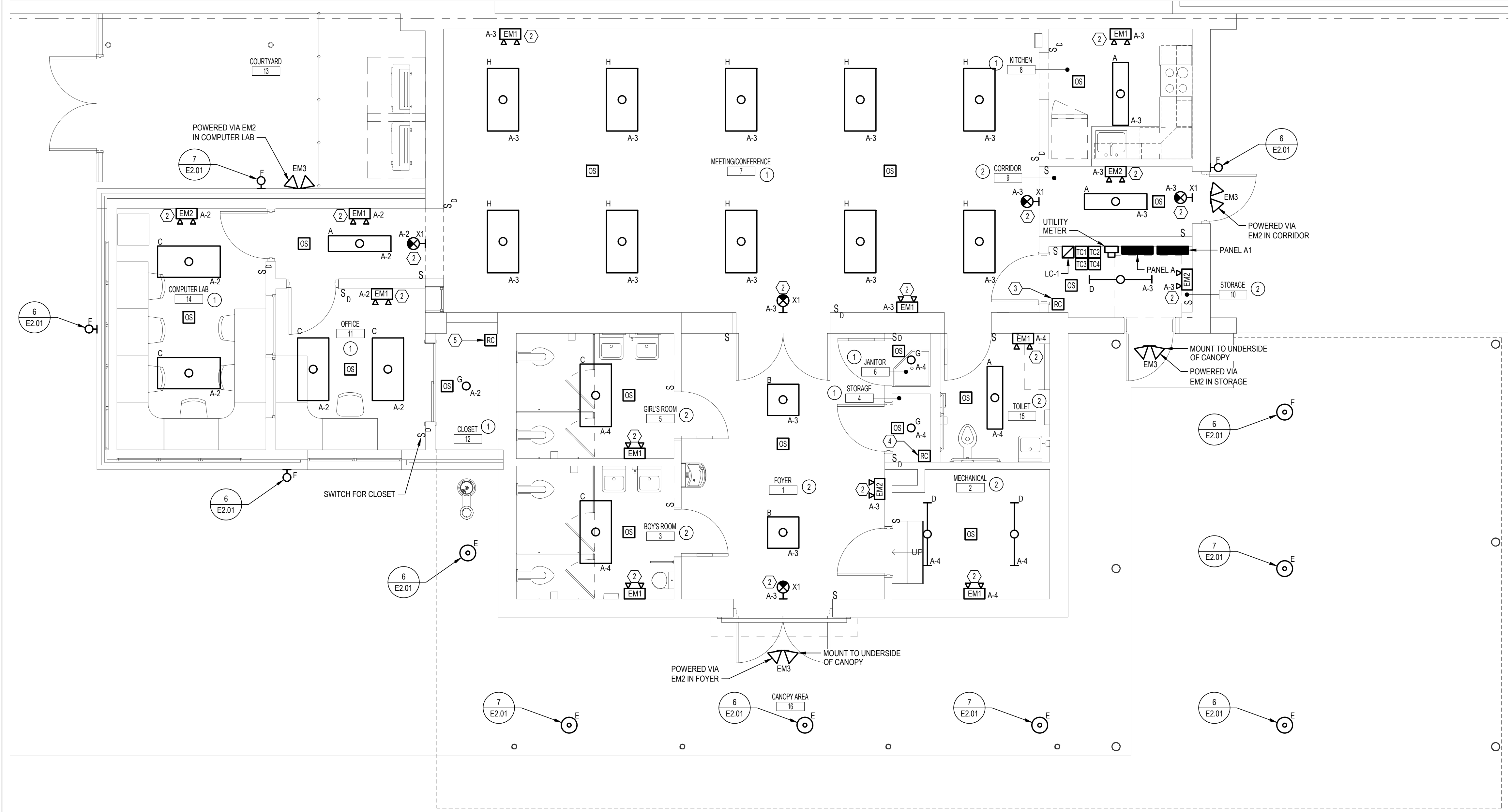
DRAWING TITLE  
FLOOR PLAN - ELECTRICAL DEMOLITION

PROJECT NO. 18-00355-001	DRAWING NO. <b>E1.01</b>
DATE: 10.23.2020	
SCALE: AS NOTED	
DRAWN BY: MJC	
CHECKED BY: TDB	FILE:

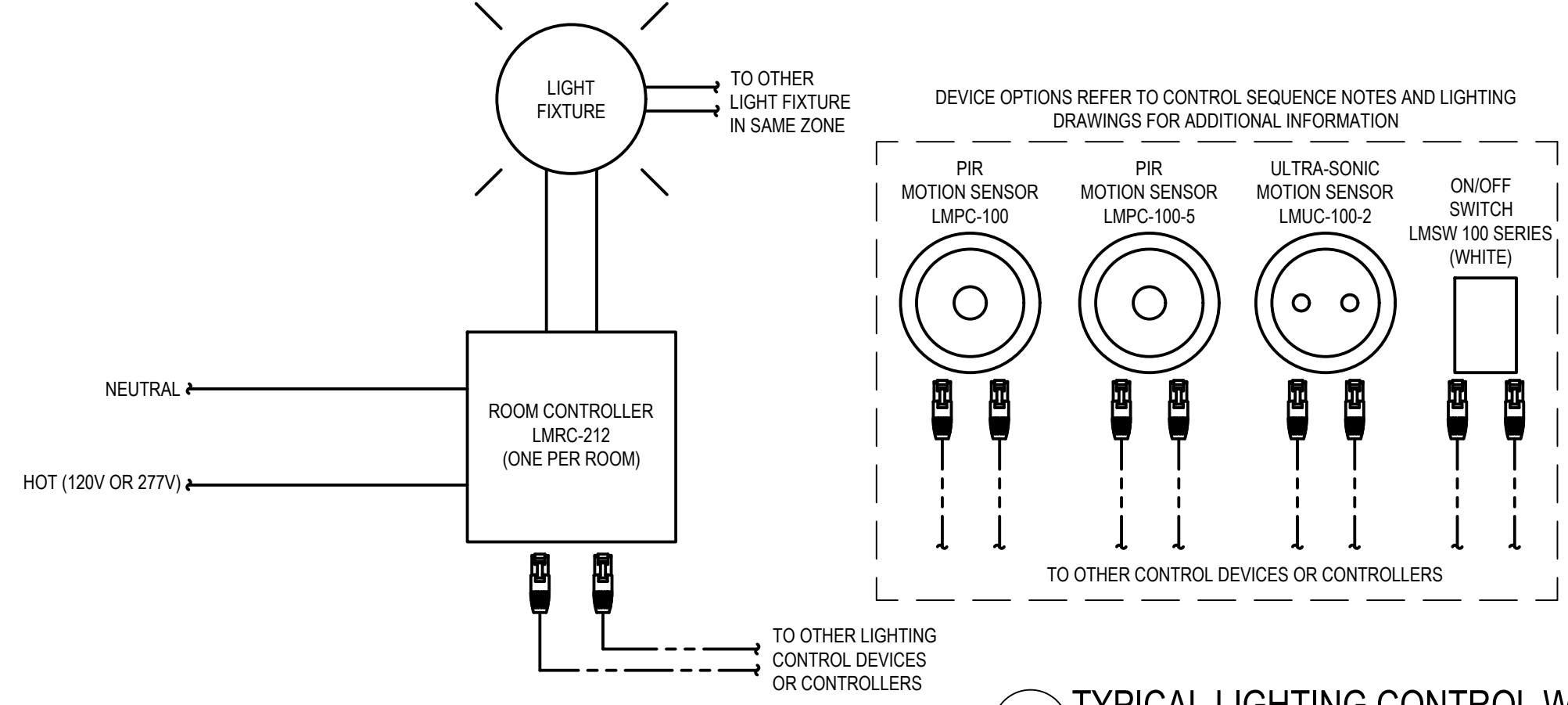
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

PERMIT SET - 10/23/2020



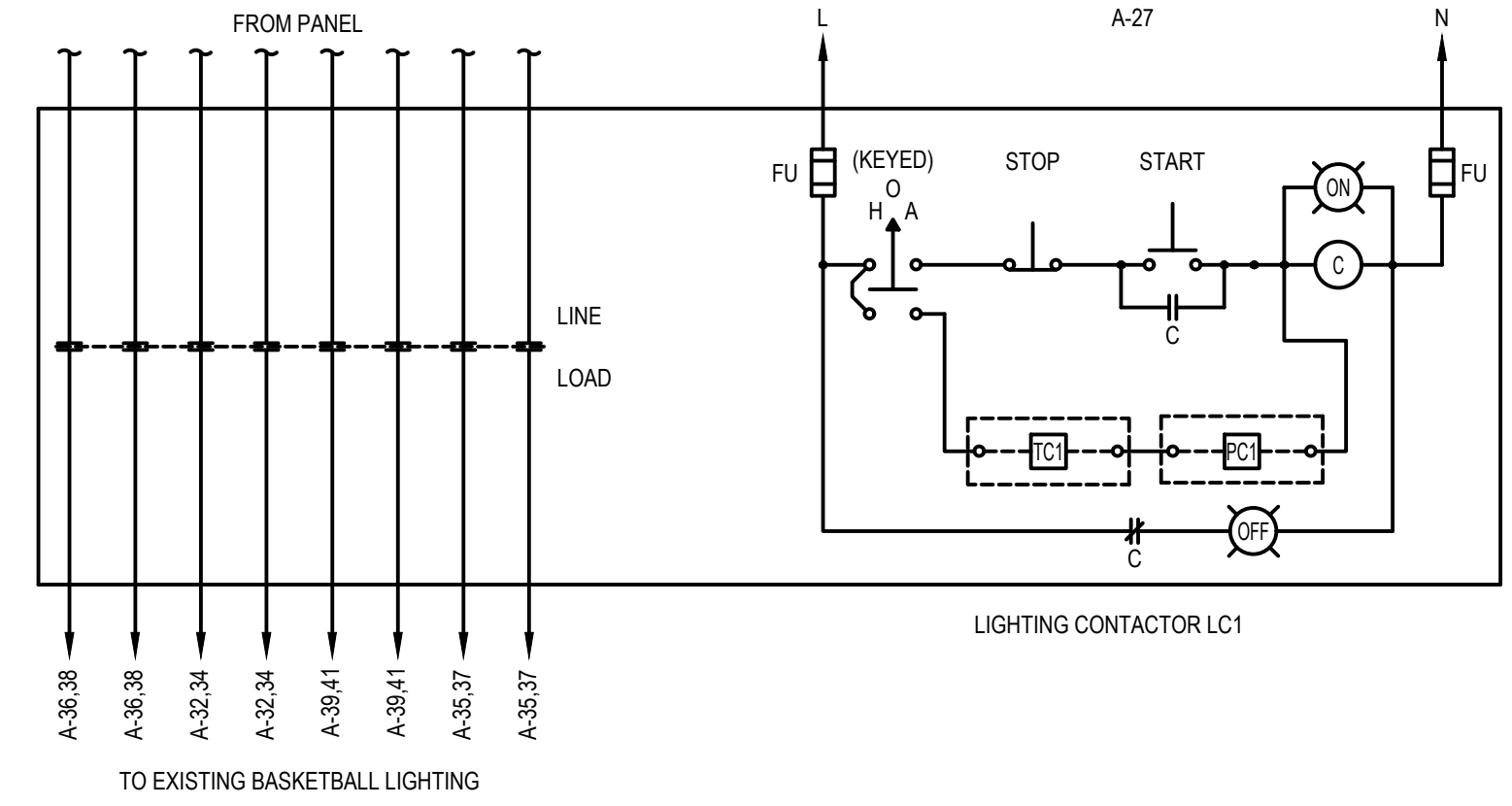


1 FLOOR PLAN - LIGHTING  
SCALE: 1/4" = 1'-0"



2 TYPICAL LIGHTING CONTROL WIRING DIAGRAM  
SCALE: NOT TO SCALE

- NOTES:**
- WIRING PER MANUFACTURERS RECOMMENDATIONS.
  - BASIS OF DESIGN IS WATTSTOPPER.
  - ROOM CONTROLLER SHALL BE MOUNTED AS INDICATED ON DRAWINGS.
  - COORDINATE QUANTITY OF DEVICE PER CONTROLLER.
- |  |   |
|--|---|
| <p><b>OCCUPANCY SENSOR (LMPC-100):</b></p> <ul style="list-style-type: none"> <li>OFFICE</li> <li>CLOSET</li> <li>MECHANICAL</li> <li>TOILET</li> <li>FOYER</li> <li>CORRIDOR</li> <li>STORAGE 4 &amp; 9</li> <li>JANITOR</li> <li>COMPUTER LAB</li> </ul> | <p><b>OCCUPANCY SENSOR (LMPC-100-5):</b></p> <ul style="list-style-type: none"> <li>MEETING/CONFERENCE</li> </ul> <p><b>OCCUPANCY SENSOR (LMUC-100-2):</b></p> <ul style="list-style-type: none"> <li>BOYS' ROOM</li> <li>GIRLS' ROOM</li> <li>KITCHEN</li> </ul> |
|--|---|



3 TYPICAL BASKETBALL LIGHTING CONTROL WIRING DIAGRAM  
SCALE: NOT TO SCALE

- NOTES:**
- PHOTOCELL SHALL FAIL CLOSED.
  - AUTO: PHOTOCELL (FC) PERMISSIVE WITH TIME CLOCK (TC) ON/OFF. TIME CLOCK & PHOTO CELL POWER VIA CIRCUIT A1-28.

**GENERAL NOTES:**

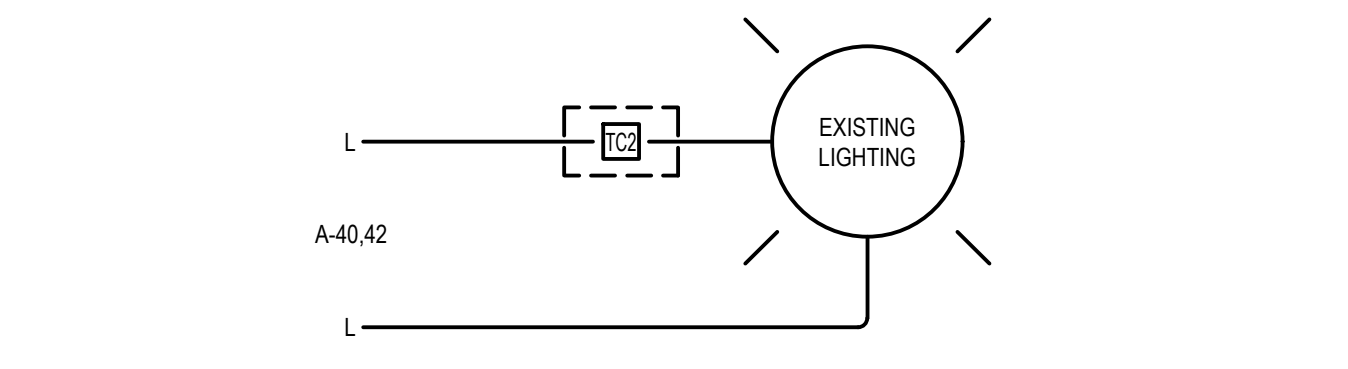
- CONDUIT SHALL BE ROUTED ABOVE NEW CEILING STRUCTURES AND ON THE SURFACE OF EXISTING CEILING STRUCTURES.
- DEVICES AND EQUIPMENT MOUNTED ON EXISTING WALLS SHALL BE SURFACE MOUNTED.
- CONTRACTOR TO PLACE PHOTOCELL ON ROOF. PLACEMENT AS RECOMMENDED BY MANUFACTURER.

**DRAWING NOTES:**

- LIGHT FIXTURE CONTROL VIA ROOF MOUNTED PHOTOCELL. PHOTO CELL POWER VIA CIRCUIT A1-28.
- LIGHTING FIXTURE TO BE WIRED AHEAD OF OCCUPANCY SENSOR AND LIGHT SWITCH WITH 2#10, 1#10 GROUND IN 3/4" CONDUIT.
- LOCATION OF ROOM CONTROLLERS FOR STORAGE 10, KITCHEN 8, MEETING/CONFERENCE 7, AND CORRIDOR 9.
- LOCATION OF ROOM CONTROLLERS FOR TOILET 15, MECHANICAL 2, STORAGE 4, JANITOR 6, GIRLS' ROOM 5, BOYS' ROOM 3, AND FOYER 1.
- LOCATION OF ROOM CONTROLLERS FOR OFFICE 11, CLOSET 12, COMPUTER LAB 14, AND CORRIDOR OUTSIDE OFFICE.

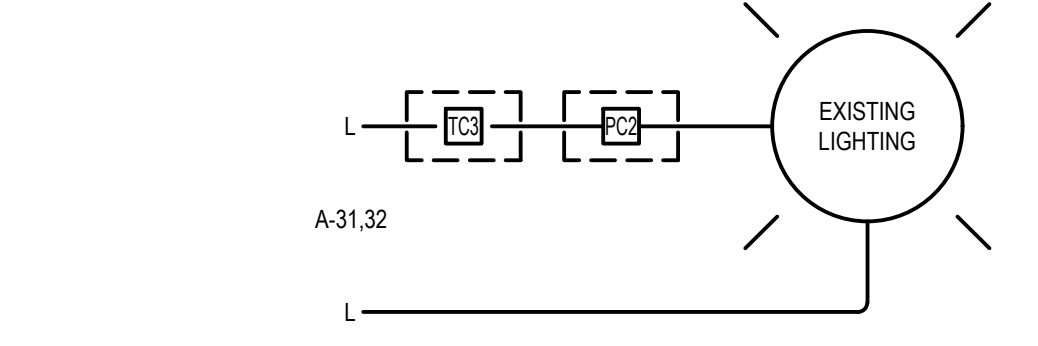
**LIGHTING CONTROL SEQUENCE:**

- CONTROL: ROOM CONTROLLER  
MANUAL CONTROL: SWITCH(ES) (3-BUTTON)  
• ON/OFF  
• RAISE  
• LOWER  
CONTROL SEQUENCE:  
• ON: MANUAL OR OCC. SENSOR (LIGHTS AT 50% OUTPUT)  
• OFF: MANUAL OR OCC. SENSOR (20 MINUTE SETPOINT)  
• BRIGHTENING OR DIMMING: MANUAL
- CONTROL: ROOM CONTROLLERS  
MANUAL CONTROL: SWITCH(ES) (1 OR 2-BUTTON)  
CONTROL SEQUENCE:  
• ON: MANUAL OR OCC. SENSOR (LIGHTS AT 100% OUTPUT)  
• OFF: MANUAL OR OCC. SENSOR (20 MINUTE SETPOINT)



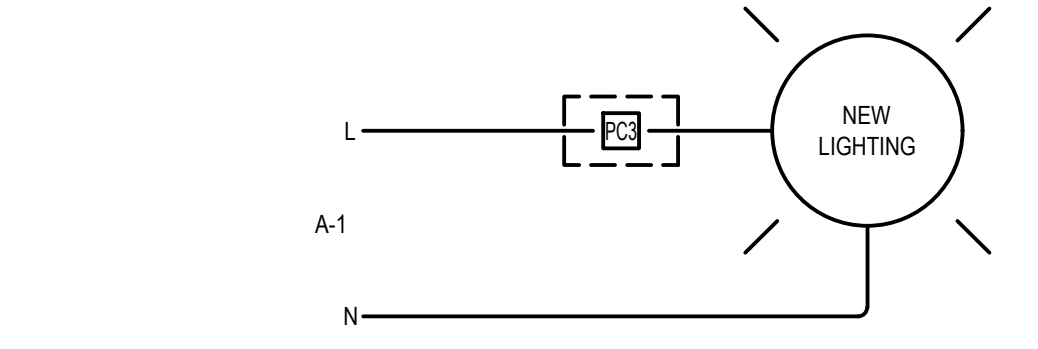
4 TYPICAL PLAY AREA LIGHTING CONTROL WIRING DIAGRAM  
SCALE: NOT TO SCALE

- NOTES:**
- AUTO: TIME CLOCK (TC) ON/OFF. TIME CLOCK POWER VIA CIRCUIT A1-28.



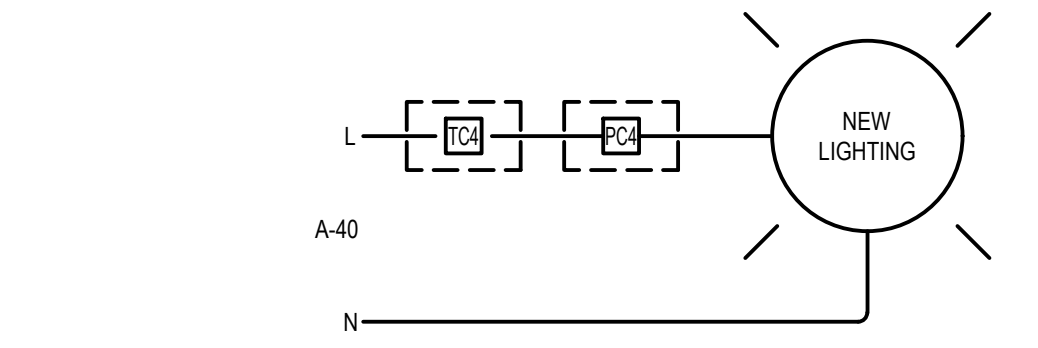
5 TYPICAL VANDAL LIGHTING CONTROL WIRING DIAGRAM  
SCALE: NOT TO SCALE

- NOTES:**
- PHOTOCELL SHALL FAIL CLOSED.
  - AUTO: PHOTOCELL (PC) PERMISSIVE WITH TIME CLOCK (TC) ON/OFF. TIME CLOCK & PHOTO CELL POWER VIA CIRCUIT A1-28.



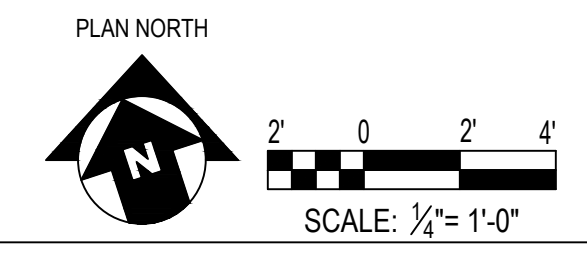
6 TYPICAL EXTERIOR BUILDING MOUNTED & CANOPY LIGHTING CONTROL WIRING DIAGRAM  
SCALE: NOT TO SCALE

- NOTES:**
- PHOTOCELL SHALL FAIL CLOSED.
  - AUTO: PHOTOCELL (PC) ON/OFF. PHOTOCELL POWER VIA CIRCUIT A1-30.



7 TYPICAL EXTERIOR BUILDING MOUNTED & CANOPY LIGHTING CONTROL WIRING DIAGRAM  
SCALE: NOT TO SCALE

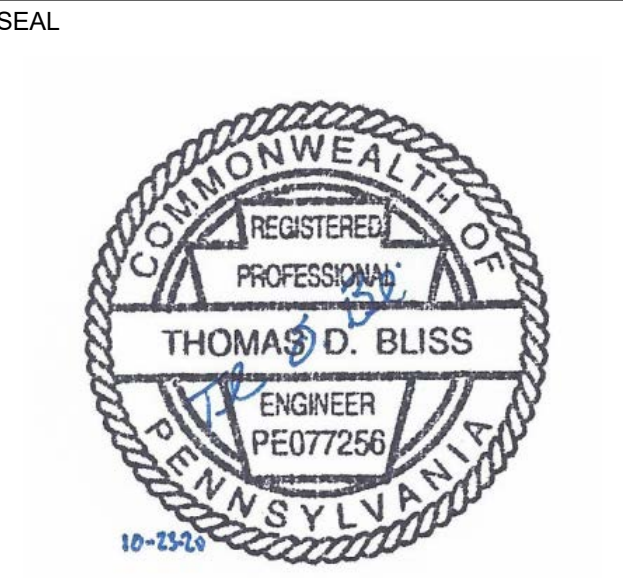
- NOTES:**
- PHOTOCELL SHALL FAIL CLOSED.
  - AUTO: PHOTOCELL (PC) PERMISSIVE WITH TIME CLOCK (TC) ON/OFF. TIME CLOCK & PHOTO CELL POWER VIA CIRCUIT A1-30.



REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Charles Mottershead, 215.683-4466



**PROJECT TEAM**

**ARCHITECT:**  
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PERMIT SET - 10/23/2020

CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

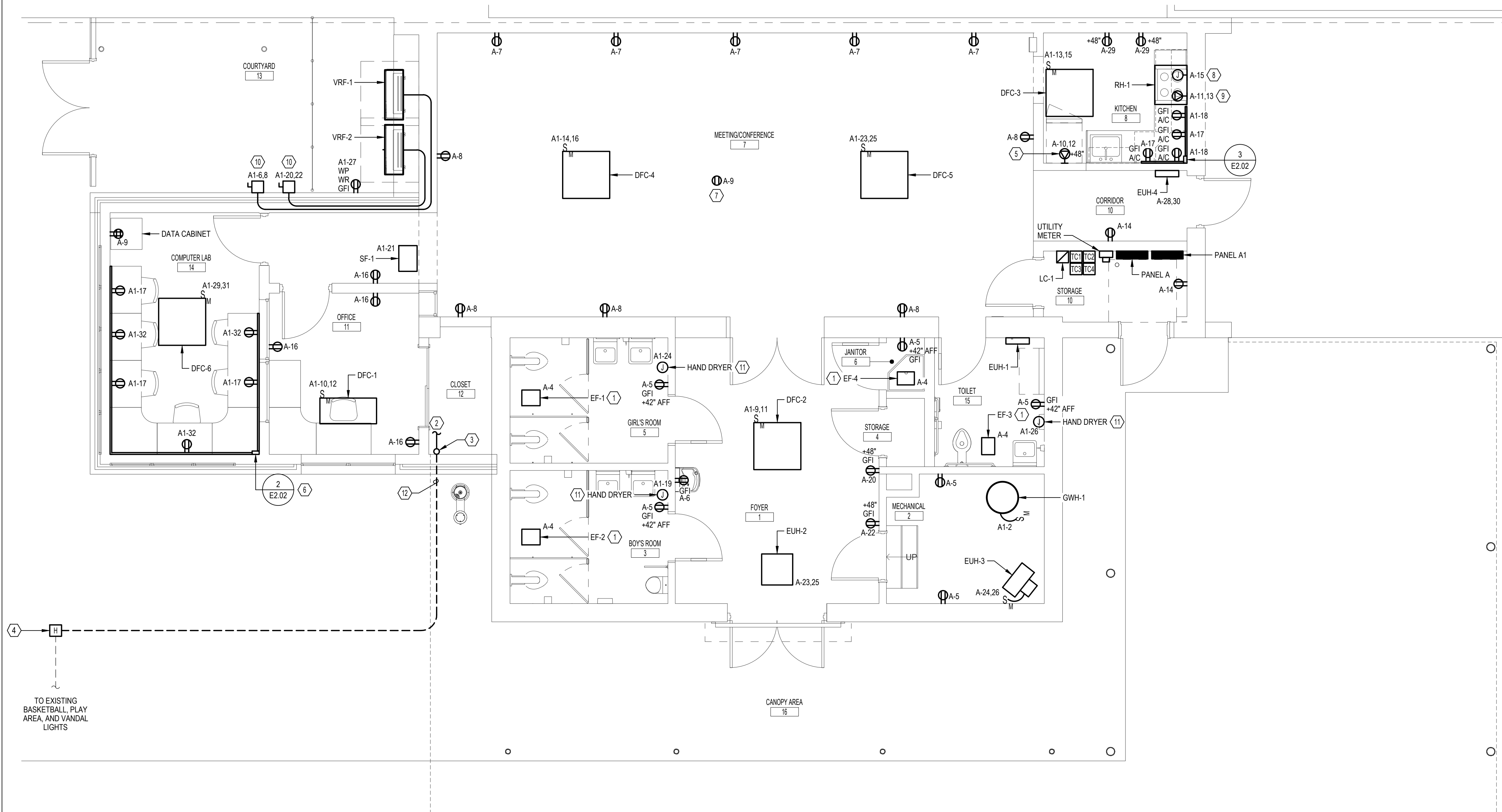
**PROJECT TITLE**  
NELSON PLAYGROUND

**DRAWING TITLE**  
FLOOR PLAN - LIGHTING

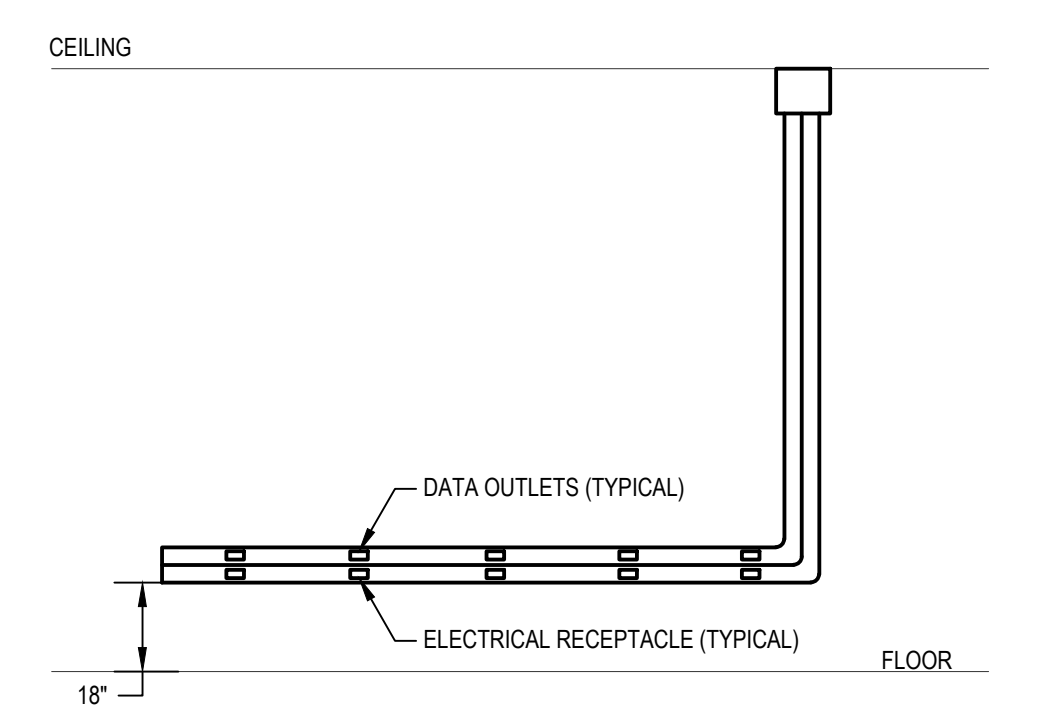
<b>PROJECT NO.</b> 18-00355-001	<b>DRAWING NO.</b> E2.01
<b>DATE:</b> 10.23.2020	
<b>SCALE:</b> AS NOTED	
<b>DRAWN BY:</b> MJC	
<b>CHECKED BY:</b> TDB	<b>FILE:</b>

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

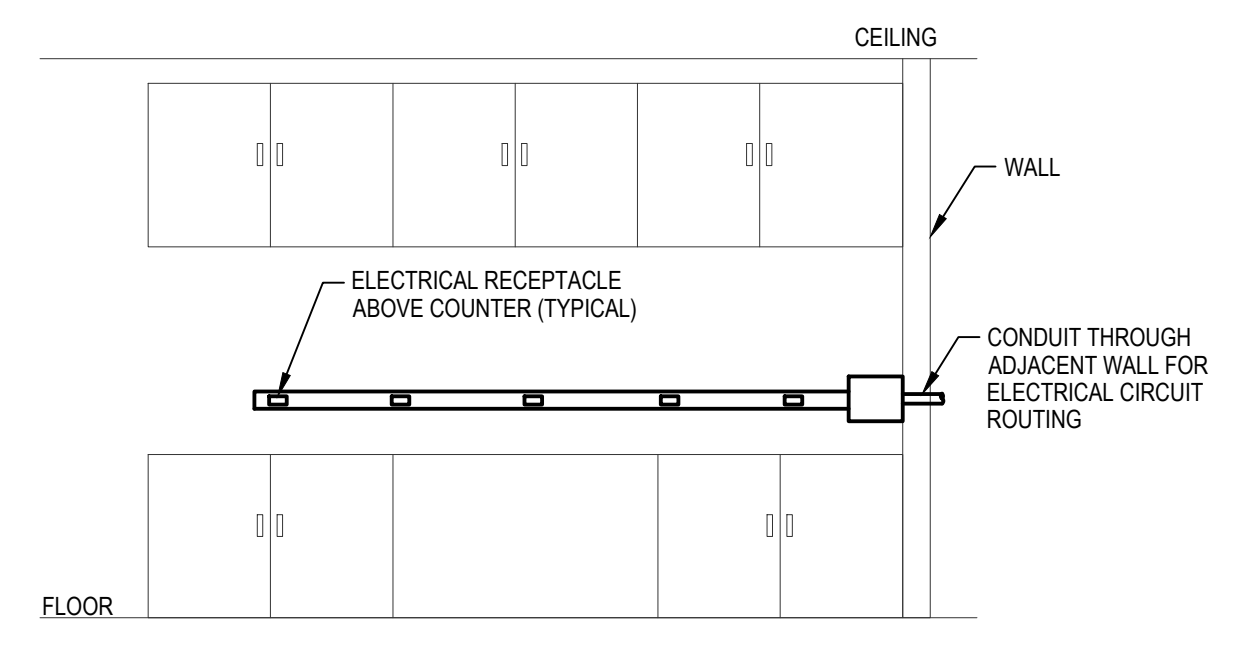




1 FLOOR PLAN - ELECTRICAL  
 E2.02 SCALE: 1/4" = 1'-0"



2 TYPICAL TWO CHANNEL METALLIC SURFACE MOUNT RACEWAY  
 E2.02 SCALE: NOT TO SCALE



3 TYPICAL SINGLE CHANNEL METALLIC SURFACE MOUNT RACEWAY  
 E2.02 SCALE: NOT TO SCALE

**GENERAL NOTES:**

- CONDUIT SHALL BE ROUTED ABOVE NEW CEILING STRUCTURES AND ON THE SURFACE OF EXISTING CEILING STRUCTURES.
- DEVICES AND EQUIPMENT MOUNTED ON EXISTING WALLS SHALL BE SURFACE MOUNTED.
- CONTRACTOR TO PLACE PHOTOCELL ON ROOF. PLACEMENT AS RECOMMENDED BY MANUFACTURER.

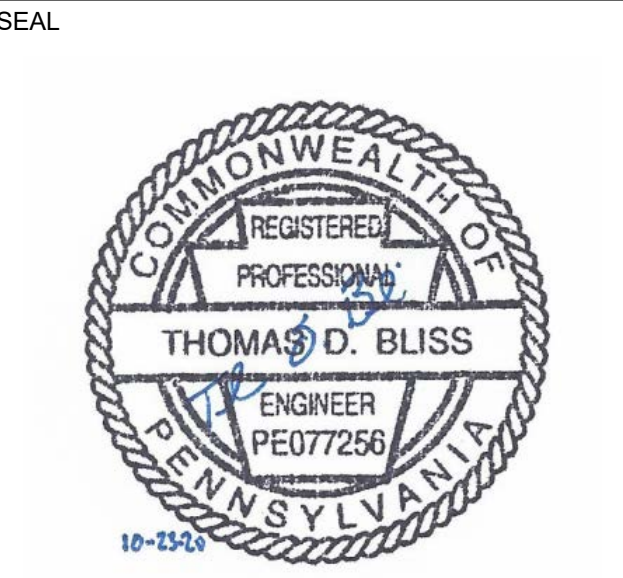
**DRAWING NOTES:**

- EXHAUST FAN CONTROL VIA LIGHTING ROOM CONTROLLER.
- CONTRACTOR TO INSTALL 10 #6, 3#8, 1#6 GRD. IN 2" CONDUIT FROM PANEL A (VIA LIGHTING CONTROL DEVICES) TO HANDHOLE FOR BASKETBALL, PLAY AREA AND VANDAL EXTERIOR LIGHTING.
- STUB-UP UNDERGROUND CONDUIT SIX INCHES INTO CLOSET AND TRANSITION TO EMT RACEWAY.
- CONTRACTOR TO PLACE HANDHOLE, QUAZITE BOX PART NO. PC1212BG12 AND COVER PART NO. PC1212HG0017, TO INTERCEPT EXISTING UNDERGROUND CONDUIT. CONNECT NEW 2" CONDUIT FROM BUILDING TO NEW HANDHOLE. CONTRACTOR TO CONNECT 10#6, 3#8, 1#6 GRD TO EXISTING CONDUCTORS WITHIN HANDHOLE.
- RECEPTACLE OUTLET FOR EXISTING REFRIGERATOR. CONTRACTOR SHALL COORDINATE RECEPTACLE TYPE WITH REFRIGERATOR OUTLET PLUG.
- ELECTRICAL RECEPTACLE TO BE MOUNTED IN TWO CHANNEL RACEWAY.
- CEILING MOUNTED RECEPTACLE FOR PROJECTOR. COORDINATE FINAL LOCATION IN FIELD.
- POWER FOR RANGE HOOD. COORDINATE MOUNTING HEIGHT WITH INSTALLATION HEIGHT OF RANGE HOOD.
- POWER FOR RANGE. COORDINATE MOUNTING HEIGHT WITH INSTALLATION OF RANGE.
- DISCONNECT SWITCH - 60A, 240V, 3P, NF, GD, NEMA 3R ENCLOSURE.
- POWER FOR HAND DRYER. COORDINATE MOUNTING HEIGHT WITH INSTALLATION HEIGHT OF HAND DRYER.
- COORDINATE DEPTH OF UNDERGROUND CONDUIT WITH STRUCTURAL FOUNDATION.

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
 Philadelphia Parks & Recreation  
 and Department of Public Property  
 1515 Arch Street, 11th Floor  
 Philadelphia, PA 19102  
 Contact: Charles Mottershead, 215.683-4466



**PROJECT TEAM**

**ARCHITECT:**  
 JMT | ARCHITECTURE  
 JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
 1600 MARKET STREET, SUITE 520  
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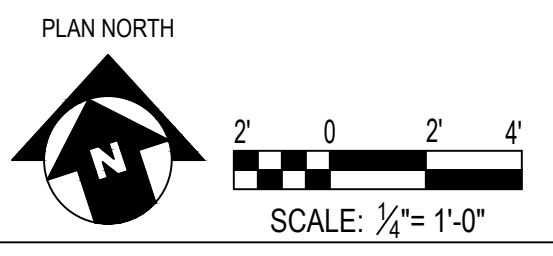
PROJECT TITLE  
 NELSON PLAYGROUND

DRAWING TITLE  
 FLOOR PLAN - POWER

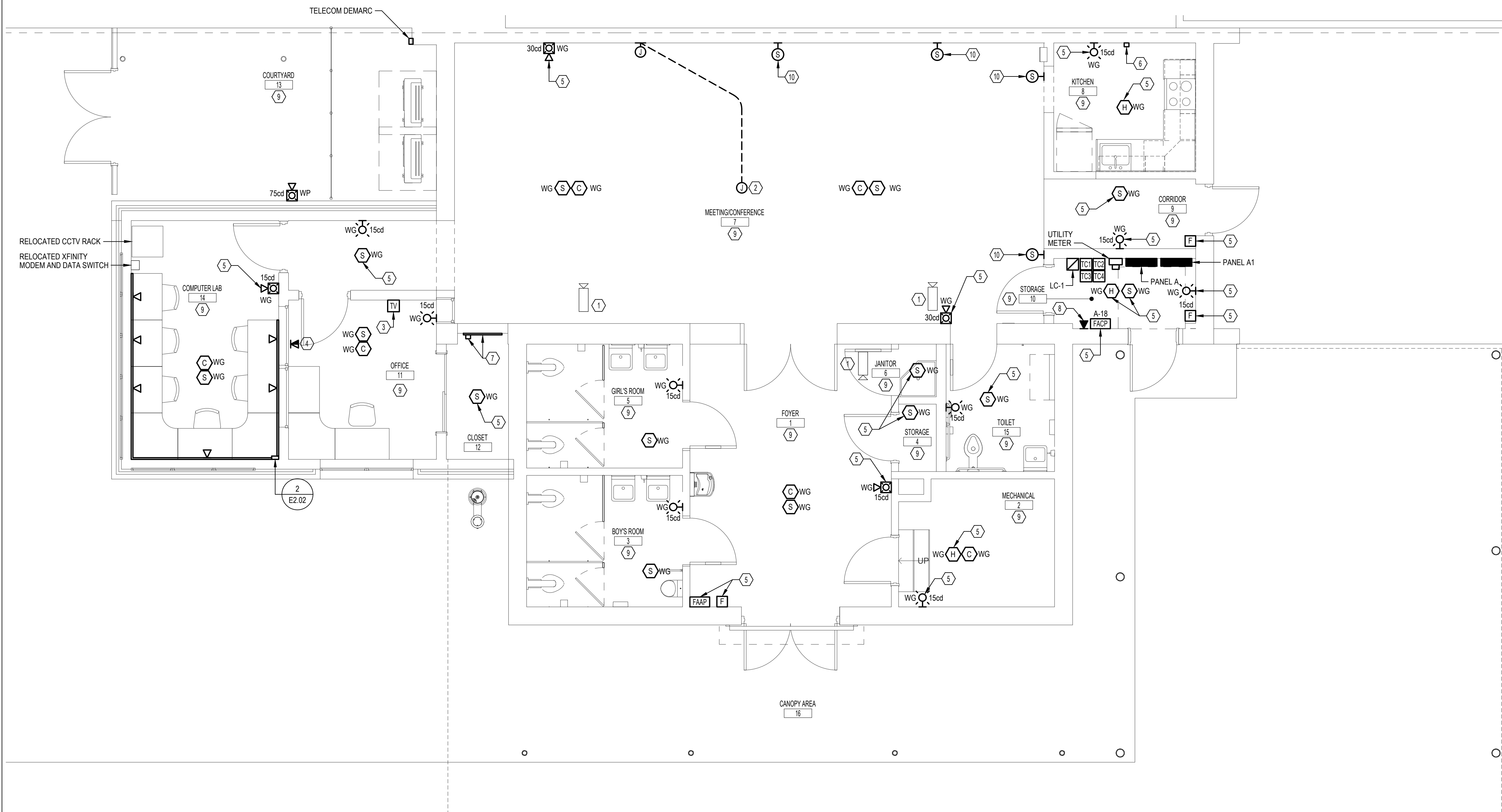
PROJECT NO. 18-00355-001	DRAWING NO. <b>E2.02</b>
DATE: 10.23.2020	
SCALE: AS NOTED	
DRAWN BY: MJC	
CHECKED BY: TDB	FILE:

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

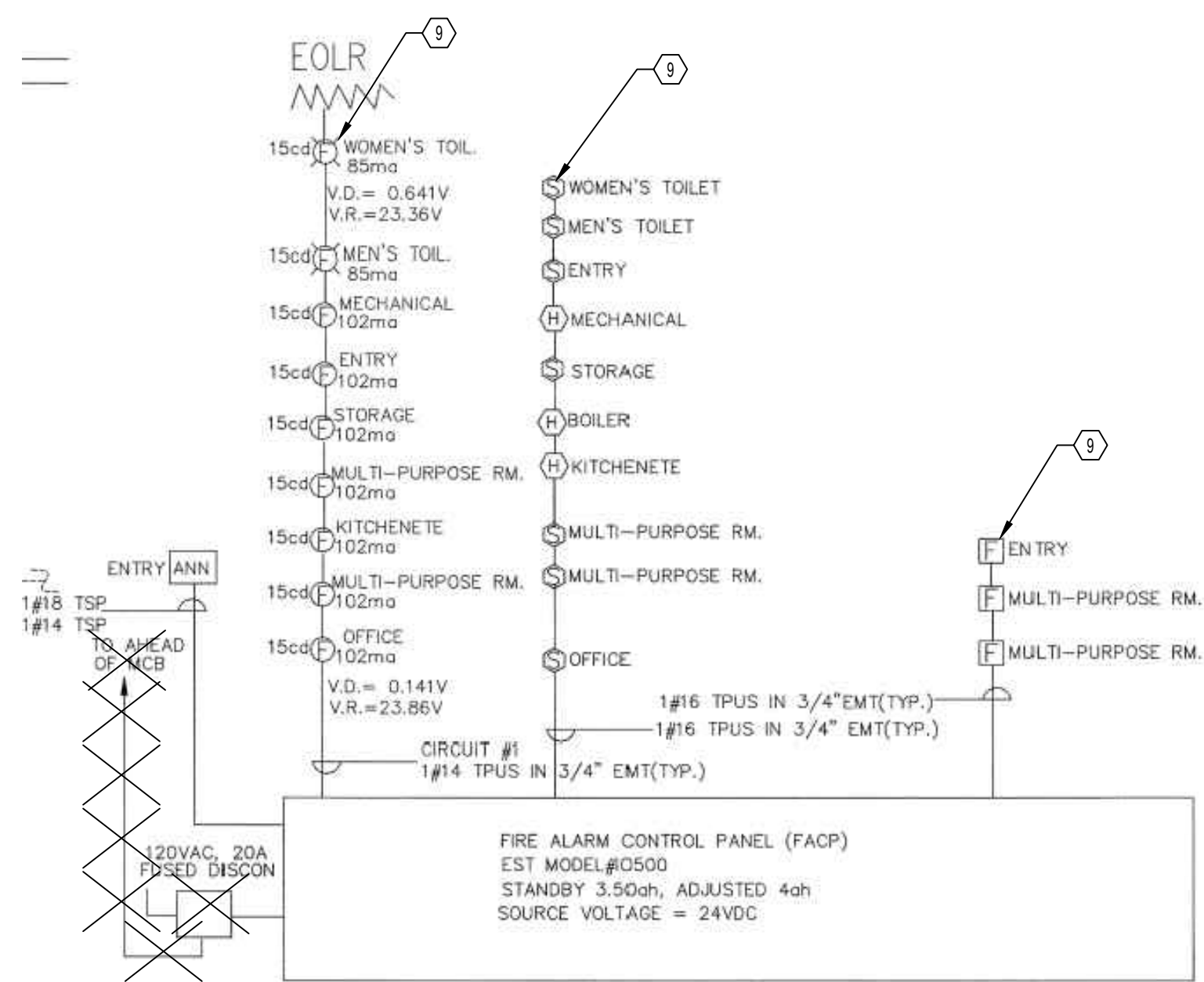
PERMIT SET - 10/23/2020







1 FLOOR PLAN - ELECTRICAL  
E2.03 SCALE: 1/4" = 1'-0"



2 EXISTING FIRE ALARM RISER  
E1.01 SCALE: NOT TO SCALE

**FIRE ALARM RISER NOTES:**

- CONTRACTOR SHALL ENGAGE A EST APPROVED INSTALLER TO PERFORM ALL WORK ASSOCIATED WITH THE FIRE ALARM SYSTEM.
- CONTRACTOR SHALL TEST FIRE ALARM SYSTEM IN ITS ENTIRETY.

**GENERAL NOTES:**

- CONDUIT SHALL BE ROUTED ABOVE NEW CEILING STRUCTURES AND ON THE SURFACE OF EXISTING CEILING STRUCTURES.
- DEVICES AND EQUIPMENT MOUNTED ON EXISTING WALLS SHALL BE SURFACE MOUNTED.
- CONTRACTOR TO PLACE PHOTOCELL ON ROOF. PLACEMENT AS RECOMMENDED BY MANUFACTURER.

**DRAWING NOTES:**

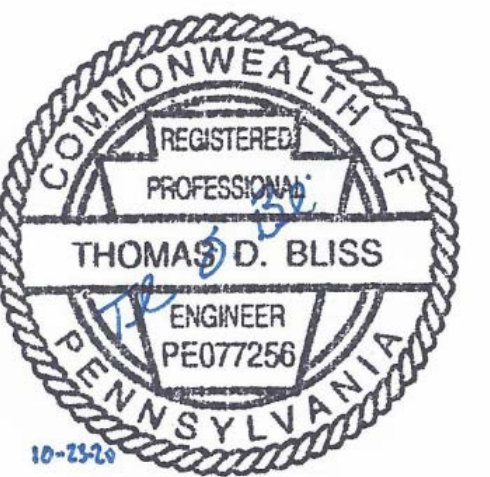
- PROVIDE NEW RACEWAY AND WIRING FROM CAMERA TO EXISTING CCTV RACK. WIRING AS REQUIRED BY CCTV SYSTEM MANUFACTURER.
- CEILING MOUNTED DOUBLE GANG JUNCTION BOX FOR FUTURE PROJECT AUDIO/VIDEO CABLING. CONTRACTOR TO INSTALL 1" CONDUIT FROM CEILING JUNCTION BOX TO WALL MOUNTED JUNCTION BOX.
- RELOCATED CCTV MONITOR OUTLET. EXTEND CCTV CABLING. TYPE AND GAUGE AS REQUIRED BY MANUFACTURER.
- DATA AND VOICE OUTLET. CONTRACTOR SHALL INSTALL ONE CAT 6E CABLE FROM OUTLET TO BUILDING PUNCH-DOWN BLOCKS AND ONE CAT 6E FROM OUTLET TO XFINITY MODEM. ALL CABLES TO BE INSTALLED IN 3/4" C.
- REUSED FIRE ALARM DEVICE AND EQUIPMENT.
- LOCATION OF EXISTING INCOMING XFINITY COAX. CONTRACTOR TO INSTALL AND TERMINATE RG6 COAX CABLE FROM INCOMING XFINITY COAX TO XFINITY MODEM. COAX CABLE SHALL BE INSTALLED IN 3/4" C.
- LOCATION OF TELECOM PUNCH-DOWN BLOCKS AND BUILDING PUNCH-DOWN BLOCKS MOUNTED ON BACKBOARD. TELECOM PUNCH-DOWN BLOCKS TO HAVE SURGE PROTECTION. CONTRACTOR TO SUPPLY CROSS CONNECT BETWEEN TELECOM PUNCH-DOWN BLOCKS AND BUILDING PUNCH-DOWN BLOCKS. CONTRACTOR TO INSTALL TWO CAT 6E CABLES IN 3/4" C. FROM TELECOM PUNCH-DOWN BLOCKS TO TELECOM DEMARC.
- VOICE OUTLET FOR FIRE ALARM CONTROL PANEL. CONTRACTOR TO INSTALL TWO CAT 6E CABLES IN 3/4" C. FROM VOICE OUTLET TO BUILDING PUNCH-DOWN BLOCKS.
- CONTRACTOR TO REINSTALL EXISTING FIRE ALARM DEVICES AND INSTALL NEW FIRE ALARM DEVICES. CONTRACTOR SHALL INSTALL CABLING TYPE AND GAUGE AS RECOMMENDED BY MANUFACTURER.
- REINSTALL SPEAKER AND CABLING. COORDINATE EXACT LOCATION WITH OWNER.

REVISIONS		
ISSUE	DATE	DESCRIPTION



**PROJECT COORDINATOR**  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Charles Mottershead, 215.683-4466

SEAL



**PROJECT TEAM**

**ARCHITECT:**  
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PERMIT SET - 10/23/2020

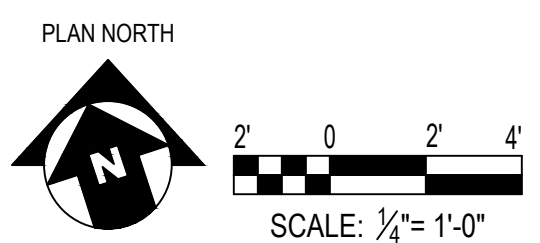
CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE  
NELSON PLAYGROUND

DRAWING TITLE  
FLOOR PLAN - SPECIAL SYSTEMS

PROJECT NO. 18-00355-001	DRAWING NO. <b>E2.03</b>
DATE: 10.23.2020	SCALE: AS NOTED
DRAWN BY: MJC	CHECKED BY: TDB
FILE:	

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





NEW  
PANEL: **A**

AMP: 400 VOLT: 120/240  
PHASE: 1 3 WIRE + GND  
AIC: 22k AMPS RMS SYM

MOUNTING: SURFACE MAIN: **400A MCB**

Branch Circuit Load Description	kVA Load		Trip Poles	Circuit Wiring				Ckt. No.	Phase	Ckt. No.	Circuit Wiring				Trip Poles	kVA Load		Branch Circuit Load Description
	A	B		NO	Size	GND	C				NO	Size	GND	C		A	B	
EXTERIOR LIGHTING	0.30		20/1	2	12	12	3/4"	1	A	2	2	12	12	3/4"	20/1	0.34	0.40	LIGHTING
LIGHTING		0.71	20/1	2	12	12	3/4"	3	B	4	2	12	12	3/4"	20/1			LIGHTING & EXHAUST FANS
RECEPTACLE	1.00		20/1	2	12	12	3/4"	5	A	6	2	12	12	3/4"	20/1	0.40		E.W.C.
COMPUTER RECEPTACLE		1.00	20/1	2	12	12	3/4"	7	B	8	2	12	12	3/4"	20/1		1.10	RECEPTACLE
DATA RACK RECEPTACLE	1.70		20/1	2	12	12	3/4"	9	A	10	2	12	12	3/4"	20/2	1.00		REFRIGERATOR
RANGE		2.00	50/2	2	8	10	3/4"	11	B	12	-	-	-	-	-	1.00		
	2.00		-	-	-	-	-	13	A	14	2	12	12	3/4"	20/1	0.80		RECEPTACLE
RANGE HOOD		0.08	20/1	2	12	12	3/4"	15	B	16	2	12	12	3/4"	20/1	0.72		RECEPTACLE
KITCHEN RECEPTACLE	1.20		20/1	2	12	12	3/4"	17	A	18	2	12	12	3/4"	20/1	0.30		FIRE ALARM PANEL
EUH-1		1.00	20/2	2	12	12	3/4"	19	B	20	2	12	12	3/4"	20/1	0.50		VENDING MACHINE
	1.00		-	-	-	-	-	21	A	22	2	12	12	3/4"	20/1	0.50		VENDING MACHINE
EUH-2		2.00	30/2*	2	10	10	3/4"	23	B	24	2	10	10	3/4"	25/2	1.90		EUH-3
	2.00		-	-	-	-	-	25	A	26	-	-	-	-	-	1.90		
LIGHTING CONTROLS		0.30	20/1	2	12	12	3/4"	27	B	28	2	10	10	3/4"	25/2*	2.00		EUH-4
RECEPTACLE	0.36		20/1	2	12	12	3/4"	29	A	30	-	-	-	-	-	2.00		
LTG VANDAL		1.00	20/2	2	8	8	**	31	B	32	2	6	6	**	20/2*	1.00		LTG - BASKETBALL
	1.00		-	-	-	-	-	33	A	34	-	-	-	-	-	1.00		
LTG - BASKETBALL		1.00	20/2*	2	6	6	**	35	B	36	2	6	6	**	20/2*	1.00		LTG - BASKETBALL
	1.00		-	-	-	-	-	37	A	38	-	-	-	-	-	1.00		
LTG - BASKETBALL		1.00	20/2*	2	6	6	**	39	B	40	-	-	-	3/4"	20/1	0.50		EXTERIOR LIGHTING
	1.00		-	-	-	-	-	41	A	42	-	-	-	-	-	0.00		SPACE
	12.56	10.09	-	-	-	-	-	-	-	-	-	-	-	-	-	9.24	10.12	

<< PHASE SUB-TOTALS >>

PHASE A **21.80** kVA  
PHASE B **20.21** kVA

42.01 kVA CONNECTED LOAD  
42.94 kVA DEMAND LOAD  
175.04 AMPS CONNECTED LOAD  
178.94 AMPS DEMAND LOAD

PROVIDE THE FOLLOWING:  
\* = HANDLE PADLOCK  
\*\* = SHARED 2" C

PANEL WITH FEED THROUGH LUGS

DEMOLITION  
PANEL: **P**

AMP: 250 VOLT: 120/240  
PHASE: 1 3 WIRE + GND  
AIC: 0 AMPS RMS SYM

MOUNTING: SURFACE MAIN: **225A MCB**

Branch Circuit Load Description	kVA Load		Trip Poles	Circuit Wiring				Ckt. No.	Phase	Ckt. No.	Circuit Wiring				Trip Poles	kVA Load		Branch Circuit Load Description
	A	B		NO	Size	GND	C				NO	Size	GND	C		A	B	
LT. CONTROLS	0.20		20/1	-	-	-	-	1	A	2	-	-	-	-	20/1	0.80		EX LOAD
POLE RECEPT.		0.80	20/1	-	-	-	-	3	B	4	-	-	-	-	20/1	0.80		EX LOAD
EX LOAD	0.80		20/1	-	-	-	-	5	A	6	-	-	-	-	20/1	0.80		EX LOAD
EX LOAD		0.80	20/1	-	-	-	-	7	B	8	-	-	-	-	20/1	0.80		EX LOAD
HEATER	1.00		20/1	-	-	-	-	9	A	10	-	-	-	-	20/1	0.80		EX LOAD
HEATER		1.00	20/1	-	-	-	-	11	B	12	-	-	-	-	20/1	0.80		RECEPT.
KITCHEN	1.00		20/1	-	-	-	-	13	A	14	-	-	-	-	20/1	0.50		LTG - EXITS - EMERG
LTG - MAIN ROOM		1.00	20/1	-	-	-	-	15	B	16	-	-	-	-	20/1*	1.00		LTG - RECEPTS S.E. CORNER
RECEPTS MAIN ROOM NW	0.80		20/1	-	-	-	-	17	A	18	-	-	-	-	20/1	1.00		LTG - RECEPTS SW CORNER
LTG - VANDAL		1.00	20/2	-	-	-	-	19	B	20	-	-	-	-	20/2	1.00		LTG - BASKETBALL
	1.00		-	-	-	-	-	21	A	22	-	-	-	-	-	1.00		
LTG - BASKETBALL		1.00	20/2	-	-	-	-	23	B	24	-	-	-	-	20/2	1.00		LTG - BASKETBALL
	1.00		-	-	-	-	-	25	A	26	-	-	-	-	-	1.00		
LTG - BASKETBALL		1.00	20/2	-	-	-	-	27	B	28	-	-	-	-	20/2	1.00		LTG - PLAY AREA
	1.00		-	-	-	-	-	29	A	30	-	-	-	-	-	1.00		
AC RECEPT		2.00	30/2	-	-	-	-	31	B	32	-	-	-	-	20/2	1.00		EX LOAD
	2.00		-	-	-	-	-	33	A	34	-	-	-	-	-	1.00		0
EX LOAD		1.00	20/2	-	-	-	-	35	B	36	-	-	-	-	50/2	2.50		STOVE
	1.00		-	-	-	-	-	37	A	38	-	-	-	-	-	2.50		
COMPUTERS		1.00	20/1	-	-	-	-	39	B	40	-	-	-	-	20/1	1.00		COMPUTERS
COMPUTERS		1.00	20/1	-	-	-	-	41	A	42	-	-	-	-	20/1	1.00		COMPUTERS
	10.80	10.60	-	-	-	-	-	-	-	-	-	-	-	-	-	11.40	10.90	

<< PHASE SUB-TOTALS >>

PHASE A **22.20** kVA  
PHASE B **21.50** kVA

41.70 kVA CONNECTED LOAD  
43.88 kVA DEMAND LOAD  
173.75 AMPS CONNECTED LOAD  
182.81 AMPS DEMAND LOAD

PROVIDE THE FOLLOWING:  
\* = LOCK ON DEVICE

PANEL SCHEDULE NOTES:  
① EXISTING LIGHTING CIRCUIT TO BE REROUTED TO NEW PANELBOARD.

NEW  
PANEL: **A1**

AMP: 400 VOLT: 120/240  
PHASE: 1 3 WIRE + GND  
AIC: 22k AMPS RMS SYM

MOUNTING: SURFACE MAIN: **MLO**

Branch Circuit Load Description	kVA Load		Trip Poles	Circuit Wiring				Ckt. No.	Phase	Ckt. No.	Circuit Wiring				Trip Poles	kVA Load		Branch Circuit Load Description
	A	B		NO	Size	GND	C				NO	Size	GND	C		A	B	
S*ARE	0.00		20/1	-	-	-	-	1	A	2	2	12	12	3/4"	20/1	0.50		GWH-1
S*ARE		0.00	20/1	-	-	-	-	3	B	4	2	12	12	3/4"	20/1	0.20		RECEPTACLE
LTG PLAY AREA	1.00		20/2*	2	6	6	**	5	A	6	2	8	10	3/4"	40/2	2.11		VRF-1
		1.00	-	-	-	-	-	7	B	8	-	-	-	-	-	2.11		
DFC-2	0.06		15/2	2	12	12	3/4"	9	A	10	2	12	12	3/4"	15/2	0.02		DFC-1
		0.06	-	-	-	-	-	11	B	12	-	-	-	-	-	0.02		
DFC-3	0.06		15/2	2	12	12	3/4"	13	A	14	2	12	12	3/4"	15/2	0.14		DFC-4
		0.06	-	-	-	-	-	15	B	16	-	-	-	-	-	0.14		
COMPUTER RECEPTACLES	0.54		20/1	2	12	12	3/4"	17	A	18	2	12	12	3/4"	20/1	1.00		KITCHEN RECEPTACLE
HAND DRYER		0.95	20/1	2	12	12	3/4"	19	B	20	2	8	10	3/4"	40/2	2.11		VRF-2
S*-1	0.53		20/1	2	12	12	3/4"	21	A	22	-	-	-	-	-	2.11		
DFC-5		0.14	15/2	2	12	12	3/4"	23	B	24	2	12	12	3/4"	20/1	0.95		HAND DRYER
		0.14	-	-	-	-	-	25	A	26	2	12	12	3/4"	20/1	0.95		HAND DRYER
RECEPTACLE		0.18	20/1	2	12	12	3/4"	27	B	28	2	12	12	3/4"	20/1	1.00		TIME CLOCK / PHOTO CELL
DFC-6		0.14	15/2	2	12	12	3/4"	29	A	30	2	12	12	3/4"	20/1	1.00		TIME CLOCK / PHOTO CELL
		0.14	-	-	-	-	-	31	B	32	2	12	12	3/4"	20/1	0.54		COMPUTER RECEPTACLES
S*ARE	0.00		20/1	-	-	-	-	33	A	34	-	-	-	-	20/1	0.00		SPARE
S*ARE		0.00	20/1	-	-	-	-	35	B	36	-	-	-	-	20/1	0.00		SPARE
S*ARE	0.00		20/1	-	-	-	-	37	A	38	-	-	-	-	20/1	0.00		SPARE
S*ARE		0.00	20/1	-	-	-	-	39	B	40	-	-	-	-	20/1	0.00		SPARE
S*ARE	0.00		20/1	-	-	-	-	41	A	42	-	-	-	-	20/1	0.00		SPARE
	2.47	2.53	-	-	-	-	-	-	-	-	-	-	-	-	-	7.83	7.07	

<< PHASE SUB-TOTALS >>

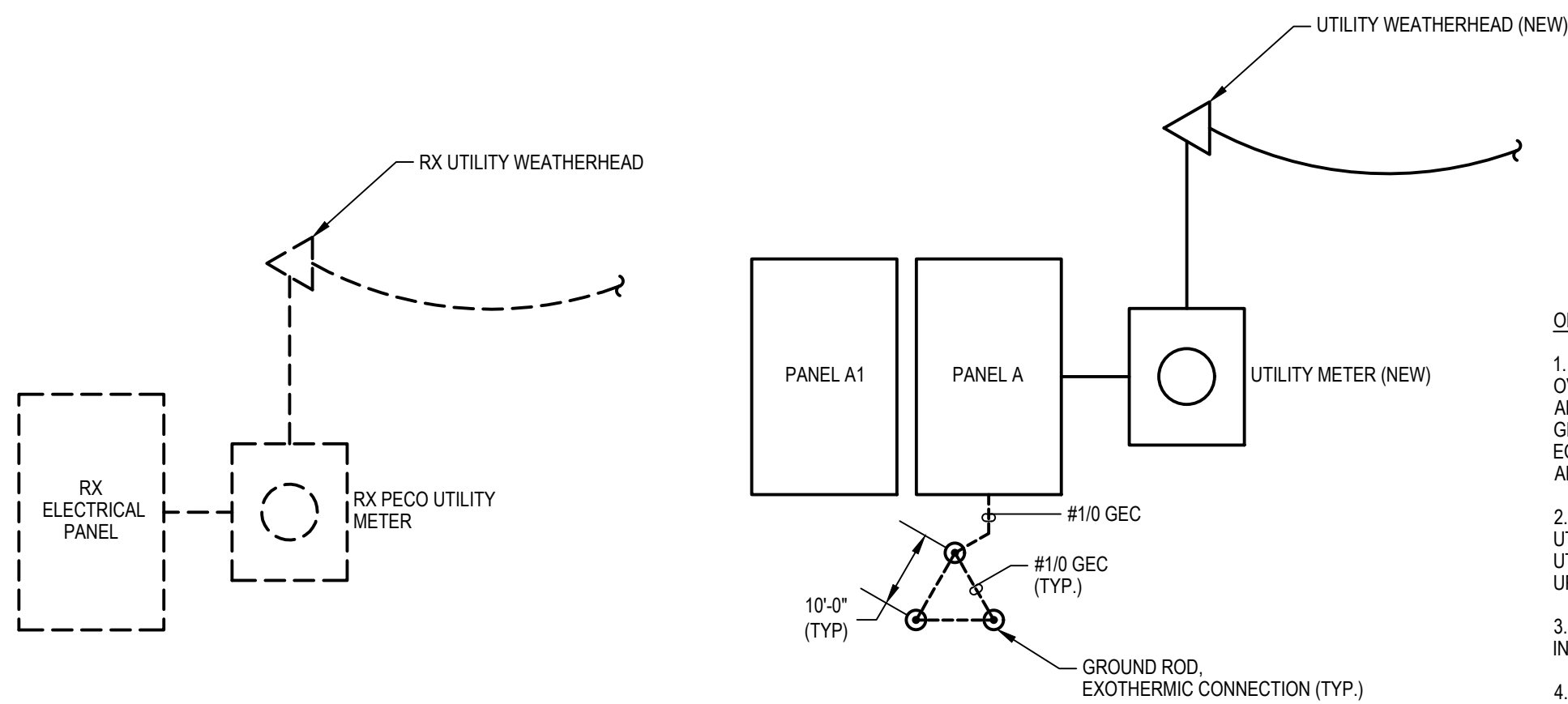
PHASE A **10.30** kVA  
PHASE B **9.60** kVA

19.90 kVA CONNECTED LOAD  
20.53 kVA DEMAND LOAD  
82.91 AMPS CONNECTED LOAD  
85.55 AMPS DEMAND LOAD

PROVIDE THE FOLLOWING:  
\* = HANDLE PADLOCK  
\*\* = SHARED 2" C

ONE-LINE DIAGRAM DEMOLITION  
SCALE: NOT TO SCALE

ONE-LINE DIAGRAM NEW WORK  
SCALE: NOT TO SCALE



- ONE-LINE DIAGRAM NOTES:
- UTILITY SHALL DISCONNECT AND REMOVE OVERHEAD UTILITY FEED. EC SHALL DISCONNECT AND REMOVE DISTRIBUTION EQUIPMENT ABOVE GRADE. GC SHALL REMOVE REMAINDER OF EQUIPMENT BELOW GRADE. REFER TO E1.01 FOR ADDITIONAL INFORMATION.
  - CONTRACTOR SHALL COORDINATE WORK WITH UTILITY. EC SHALL ENGAGE LOCAL ELECTRIC UTILITY. FILL OUT REQUIRED FORMS, AND PAY UPGRADE FEES ASSOCIATED WITH NEW SERVICE.
  - REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
  - NEW UTILITY TRANSFORMER BY UTILITY.
  - NEW PANELBOARD. RECONNECT RACEWAYS AND BRANCH CIRCUITING ASSOCIATED WITH THE BASKETBALL COURT, PLAY AREA, AND VANDAL LIGHTING. REFER TO PANEL SCHEDULE FOR BREAKER SIZES.

PERMIT SET - 10/23/2020

REVISIONS		
ISSUE	DATE	DESCRIPTION

PROJECT COORDINATOR  
Philadelphia Parks & Recreation  
and Department of Public Property  
1515 Arch Street, 11th Floor  
Philadelphia, PA 19102  
Contact: Charles Mottershead, 215.683-4466

PROJECT TEAM

ARCHITECT:  
JMT | ARCHITECTURE  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
1600 MARKET STREET, SUITE 520  
PHILADELPHIA, PA 19103  
267.256.0300 | WWW.JMT.COM

STRUCTURAL ENGINEER:  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
1600 MARKET STREET, SUITE 520  
PHILADELPHIA, PA 19103  
267.256.0300 | WWW.JMT.COM

SYSTEMS ENGINEER:  
JOHNSON, MIRMIRAN, AND THOMPSON, INC.  
1600 MARKET STREET, SUITE 520  
PHILADELPHIA, PA 19103  
267.256.0300 | WWW.JMT.COM

CITY OF PHILADELPHIA  
DEPARTMENT OF PUBLIC PROPERTY  
1515 ARCH STREET  
11TH FLOOR, ONE PARKWAY BUILDING  
PHILADELPHIA, PENNSYLVANIA

PROJECT TITLE  
NELSON PLAYGROUND

DRAWING TITLE  
PANEL SCHEDULES AND ONE-LINE DIAGRAMS

PROJECT NO. 18-00355-001	DRAWING NO. <b>E3.01</b>
DATE: 10.23.2020	SCALE: AS NOTED
DRAWN BY: MJC	CHECKED BY: TDB
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.	