

# RIVERSIDE CONCESSIONS / STORAGE BUILDING

Client : Riverside School District

Riverside Concessions /  
Storage Building  
Client: Riverside School District

### GRAPHIC SYMBOLS

**WALL CONSTRUCTION**

- Demo - To Be Removed
- New Partitions
- To Remain / Existing

**GRAPHICS**

- WINDOW TYPE
- DOOR NUMBER
- EXTERIOR ELEVATION (SHEET LOCATION)
- BUILDING SECTION (SHEET LOCATION)
- DETAIL SECTION (SHEET LOCATION)
- INTERIOR ELEVATION (SHEET LOCATION)
- PARTITION TAG (SHEET LOCATION)

**NOTES**

- LARGE DETAIL / PLAN (SHEET LOCATION)
- ROOM NAME (ROOM NUMBER)
- PLAN NOTE DESIGNATION
- REVISION CLOUD & REVISION NUMBER
- COLUMN GRID
- EXIT UNIT DESIGNATION
- DATUM / ELEVATION
- SPOT ELEVATION
- STAIR / RAMP DIRECTION
- EQUIPMENT TAG

### APPLICABLE CODE | CODE ANALYSIS

**THE FOLLOWING CODES APPLY TO THIS PROJECT:**

- 2018 IBC - INTERNATIONAL BUILDING CODE
- 2018 IECC - INTERNATIONAL ENERGY CONSERVATION CODE
- 2018 IMC - INTERNATIONAL MECHANICAL CODE
- 2018 IPC - INTERNATIONAL PLUMBING CODE
- 2018 IFGC - INTERNATIONAL FUEL GAS CODE
- 2014 NEC - NATIONAL ELECTRICAL CODE
- ICC/ANSI A117.1-2017 ACCESSIBLE AND USABLE BLDGS & FACILITIES & 2018 IBC - CH. 11

**PROJECT AREA - GENERAL INFORMATION:**

- NUMBER OF STORIES: 1 Level
- BUILDING AREA: 1,280 SF
- BUILDING CONSTRUCTION TYPE: V-B (IBC Table 503)
- ALLOWABLE HEIGHT & BUILDING AREA: NS - 1 Stories and 40 feet (IBC Table 504.3 504.4) NS - 5,500 SF Max. (IBC Table 506.2)

**USE & OCCUPANCY:**

- PROPOSED OCCUPANCY GROUP: U (Utility And Miscellaneous) (IBC Section 312)
- OCCUPANCY COUNT: Utility: 1,280 / 500 G = 3 3 Occupants (IBC Table 1004.5)

**FIRE PROTECTION:**

- FIRE PROTECTION: NOT SPRINKLERED
- AUTOMATIC SPRINKLER SYSTEMS: Not Required (IBC Section 903)
- FIRE RESISTANCE RATINGS: Building Elements (IBC Table 601) Primary Structural Frame - 0hr Nonbearing Interior Walls - 0hr Floor / Ceiling Construction - 0hr Roof Construction - 0hr

**MEANS OF EGRESS:**

- HORIZ. EGRESS WIDTH REQUIRED: 3 x 0.20 in = 0.6" (IBC Section 1005.3.2)
- HORIZ. EGRESS WIDTH PROVIDED: 2 Exits Provided = 32" x 2 = 64"
- EXIT ACCESS TRAVEL DISTANCE: 300' Without Sprinkler (IBC Table 1017.2) Max. Travel Distance Provided = 40' (1) Exit Req'd (IBC Section 1006.3.3(2)) (2) Exits Provided

**ACCESSIBILITY:**

- ACCESSIBLE ROUTE: Accessible Route is Provided to All Areas of Bldg Suite, to All Exits and to Accessible Parking Spaces
- THRESHOLDS @ DOORS & FLR CHANGES: 1/2" Max.
- SIGNAGE: Signage to be Provided at ALL Accessible Entrances, Toilet Rooms and Parking Spaces.

**ENERGY CONSERVATION:**

- CLIMATE ZONE: Luzerne County - 5A
- ROOFS (Attic & Other): R-38
- WALLS, ABOVE GRADE (Wood Framed): R-13 + R-3.8ci or R-20

**PLUMBING FIXTURES:**

Fixture	Qty	Max Occupancy (A-5) (IBC Section 2902.1)	Total Occ.
WC MALE:	3	75	225
WC FEMALE:	3	40	120
LAVS (MALE):	2	200	400
LAVS (FEMALE):	2	150	300
SERVICE SINKS:	1	Req'd	1

**ABBREVIATIONS**

#	-NUMBER, POUND	BSMT	BASEMENT	DIM	DIMENSION	EXIST	EXISTING	IC	IN CONTRACT	OPNG	OPENING	REF	REFRIGERATOR	TSSP	TAPED SPACKLED SANDED & PAINTED
@	-AT	CH	CEILING HEIGHT	DN	DOWN	EXT	EXTERIOR	INSUL	INSULATION	OSB	ORIENTED STRAND BOARD	REQD	REQUIRED	TYP	TYPICAL
&	-AND	CJ	CONTROL JOINT	DR	DOOR	FD	FLOOR DRAIN	INT	INTERIOR	OTB	OPEN TO BELOW	RM(S)	ROOM(S)	UNO	UNLESS NOTED OTHERWISE
AB	ANCHOR BOLT	CL	CENTER LINE	DWG(S)	DRAWING(S)	FE	FIRE EXTINGUISHER & CABINET	LAV	LAVATORY	P	PAINT	RD	ROUGH OPENING	UL	UNDERWRITERS LABORATORIES
ACT	ACOUSTICAL CEILING TILE	CLOS	CLOSET	DWLS	DOWELS	FF	FINISH FLOOR	MO	MASONRY OPENING	PC	PLUMBING CONTRACTOR	S	SOUTH	VB	VAPOR BARRIER
AIC	AIR CONDITIONING	CS	COURSE	E	EAST	FIN	FINISH	MFR	MANUFACTURER	PERF	PERFORATED	SHT	SHEET	VCT	VINYL COMPOSITION TILE
ADJ	ADJACENT	CMU	CONCRETE MASONRY UNIT	EA	EACH	FLR	FLOOR	MIN	MINIMUM	PLF	POUNDS PER LINEAR FOOT	SPIC	SPECIFICATIONS	VERT	VERTICAL
AFF	ABOVE FINISH FLOOR	CONC	CONCRETE	EC	ELECTRICAL CONTRACTOR	GC	GENERAL CONTRACTOR	MISC	MISCELLANEOUS	PLYWD	PLYWOOD	SO	SQUARE	VF	VERIFY IN FIELD
AHU	AIR HANDLING UNIT	CONT	CONTINUOUS	EIPS	EXTERIOR INSULATED	GWB	GYPSPUM WALL BOARD	MTL	METAL	PMF	PRE MOLDED FILLER	STD	STANDARD	VTR	VENT TO ROOF
ALUM	ALUMINUM	CPT	CARPET	FINSH	FINISH SYSTEM	HB	HOSE BIB	N	NORTH	PSF	POUNDS PER SQUARE FOOT	STL	STEEL	W	WEST
ARCH	ARCHITECT, (URAL)	CT	CERAMIC TILE	ELEV	ELEVATION	HC	HANDICAPPED	NA	NOT APPLICABLE	PT	PRESSURE TREATED	STRUCT	STRUCTURAL	W	WITH
BD	BOARD	DBL	DOUBLE	EPX	EPOXY	HDR	HEADER	NIC	NOT IN CONTRACT	PVC	POLYVINYL CHLORIDE	SUSP	SUSPENDED	W/O	WITHOUT
BLDG	BUILDING	DEMO	DEMOLITION	EQ	EQUAL	HM	HOLLOW METAL	NTS	NOT TO SCALE	RAD	RADIUS	TBD	TO BE DETERMINED	WO	WOOD
BM	BEAM	DS	DOWNSPOUT	EQUIP	EQUIPMENT	HORIZ	HORIZONTAL	OC	ON CENTER	RCP	REFLECTED CEILING PLAN	TBR	TO BE REMOVED	WP	WATERPROOF
BOT	BOTTOM	DIA	DIAMETER	EXH	EXHAUST	HT	HEIGHT	OFE	OWNER FURNISHED EQUIPMENT	RD	ROOF DRAIN	T&G	TONGUE & GROOVE	WWF	WELDED WIRE FABRIC

### MATERIAL DESIGNATIONS

**ELEVATION / PLAN**

- CERAMIC TILE
- BRICK
- CMU MASONRY
- CONCRETE / PLASTER
- GLAZING
- STONE MASONRY

**SECTION**

- EARTH
- PARTICLE BD.
- RIGID INSULATION
- GRANULAR FILL
- ROCK
- FINISHED WD.
- CONCRETE BLOCK
- CONCRETE
- METAL
- BATT INSULATION
- BRICK
- PLYWOOD / GLUELAM
- WOOD BLOCKING
- GYPSPUM BD. / PLASTER

### GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES AND REGULATIONS.
- CONTRACTOR SHALL THOROUGHLY STUDY THE DRAWINGS AND SHALL VISIT THE SITE TO ACQUAINT THEMSELVES WITH ALL EXISTING CONDITIONS AFFECTING THE INSTALLATION OF WORK IN ACCORDANCE WITH THE DESIGN INTENT OF THESE DOCUMENTS. ANY CONFLICTS SHOULD BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION PRIOR TO SUBMITTING A BID OR SIGNING A CONTRACT TO PERFORM THE WORK.
- DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING. LARGE SCALE DRAWINGS OR DETAILS SHALL GOVERN OVER SMALLER SCALED DRAWINGS.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, APPROVALS AND CERTIFICATES REQUIRED TO FACILITATE THE IMPLEMENTATION OF THE WORK OF THE PROJECT. (FEES BY OWNER)
- ANY DEVIATION FROM THE PLANS AND SPECIFICATIONS MUST BE SUBMITTED TO THE OWNER / ARCHITECT FOR APPROVAL.
- ANY CHANGES OR VARIANCES FROM APPROVED PLANS MUST BE SUBMITTED TO LOCAL CODE ENFORCEMENT FOR REVIEW AND WARRANTY, PRIOR TO ANY WORK COMMENCING.
- ALL APPROVED SETS OF PLANS, SPECIFICATIONS AND APPROVED SHOP DRAWINGS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE PREMISES CLEAN DURING CONSTRUCTION. TRASH WILL NOT BE ALLOWED TO ACCUMULATE ON THE SITE DURING CONSTRUCTION. SAFE WORKING CONDITIONS SHALL BE MAINTAINED AT ALL TIMES.
- WHEN ANY PART OF THE STRUCTURE IS OPEN TO THE EXTERIOR, PROTECT INTERIOR FROM WIND, RAIN AND VANDALISM.
- COORDINATION OF ALL WORK BETWEEN DIFFERENT TRADES IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- DIMENSIONS ARE TO BE COORDINATED WITH ALL DISCIPLINES, VENDORS, AND DEVICES TO ASSURE PROPER PLACEMENT AND WARRANTY REQUIREMENTS.
- THE DRYWALL SYSTEM IS BASED ON THE DETAILS OF THE U.S. GYPSPUM COMPANY.
- ALL GYPSPUM ABUTTING OTHER MATERIALS IS TO BE FINISHED WITH METAL EDGES.
- WATER RESISTANT GYPSPUM BOARD DENS ARMOR PLUS IS TO BE USED BEHIND ALL PLUMBING FIXTURES.
- ALL GWB IS TO BE PAINTED (2) COATS PRIME, (1) COAT FINISH.
- FOR EASE OF PARTITION LAYOUT, ALL STANDARD DRYWALL PARTITIONS ARE DIMENSIONED TO FINISHED FACE OF PARTITION.
- ALL FRAMING LUMBER TO BE 16" O.C. UNLESS SPECIFIED OTHERWISE.
- ALL EXTERIOR WALLS ARE TO BE 2X8 FRAMING. ALL INTERIOR WALLS TO BE 2X4 FRAMING. ALL FRAMING SPECIFIED SHALL BE SPF (NORTH) #1 / #2 OR BETTER. WALL STUDS TO BE MIN. SPF #3 STANDARD OR STUD GRADE AS SPECIFIED IN CODE.
- PROVIDE DOUBLE STUDS AT ALL DOOR, WINDOW AND DRYWALL OPENINGS.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROVIDING ALL NECESSARY BLOCKING WITHIN ANY WALLS FOR WALL MOUNTED CABINETS, MILLWORK, GRAB BARS, AND OWNER FURNISHED EQUIPMENT.
- ALL FLOORING MATERIAL CHANGES SHALL (UNLESS OTHERWISE NOTED) SHALL OCCUR AT THE CENTERLINE OF A DOOR WITH A DIVIDER STRIP OR T-MOLD. COLOR AS SELECTED BY OWNER.

### PROJECT AREA (SQUARE FEET)

GROSS BUILDING AREA:  
FIRST FLOOR 1280 SF

**TOTAL AREA: 1280 SF**

### PROJECT LOCATION MAP

Taylor, PA  
Luzerne County

### VICINITY MAP

SITE LOCATION

### INDEX TO DRAWINGS

A0.1	COVER SHEET
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A2.1	FLOOR PLAN
A2.2	ROOF PLAN
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P-3	PLUMBING SITE PLAN
P-4	PLUMBING SCHEDULES
P-5	PLUMBING DETAILS

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9/20/2021

Revisions | Issues

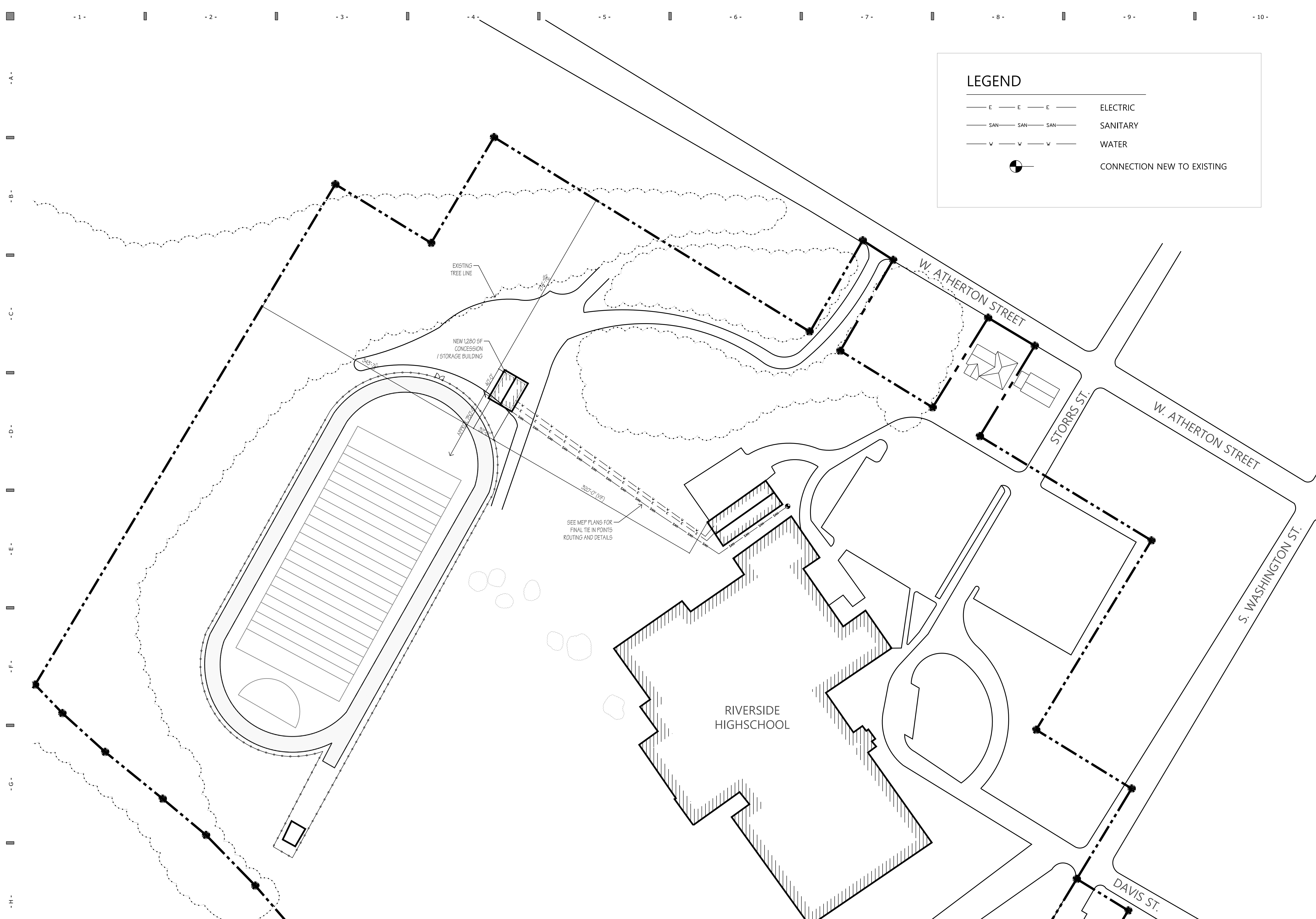
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Phase: PERMIT SET

Project: Riverside Concessions Building  
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Sheet: COVER SHEET

# A0.1





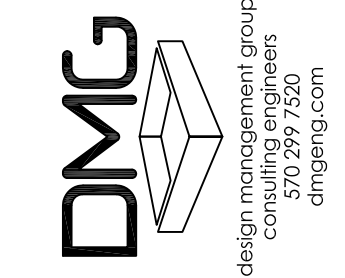
SITE PLAN  
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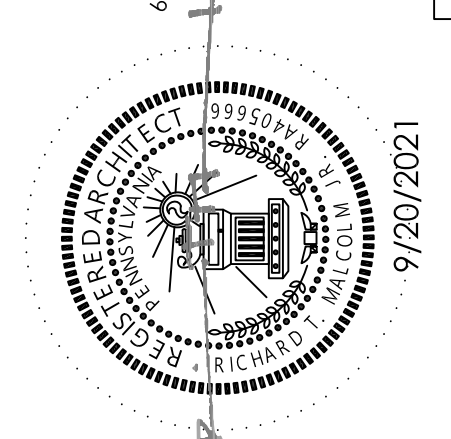

0 60 120  
Scale in feet

**LEGEND**

— E — E — E — ELECTRIC  
 - - - - SAN - - - - SAN - - - - SAN - - - - SANITARY  
 — W — W — W — WATER  
 ○ ⊕ CONNECTION NEW TO EXISTING

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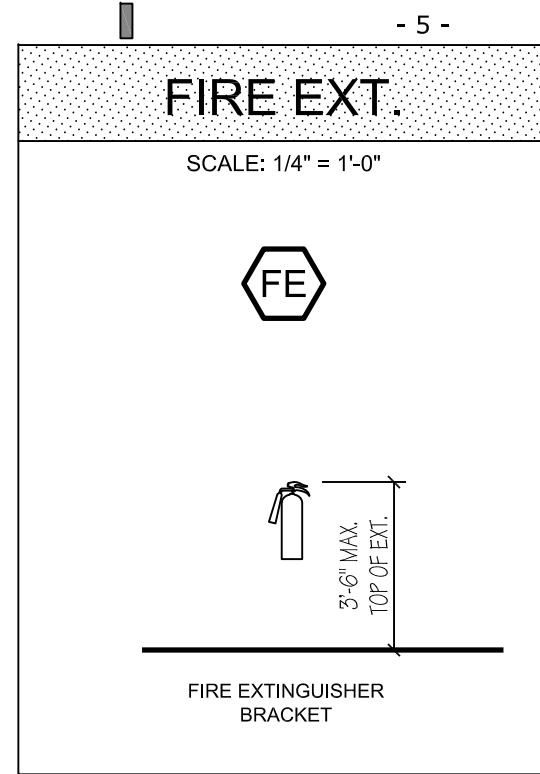
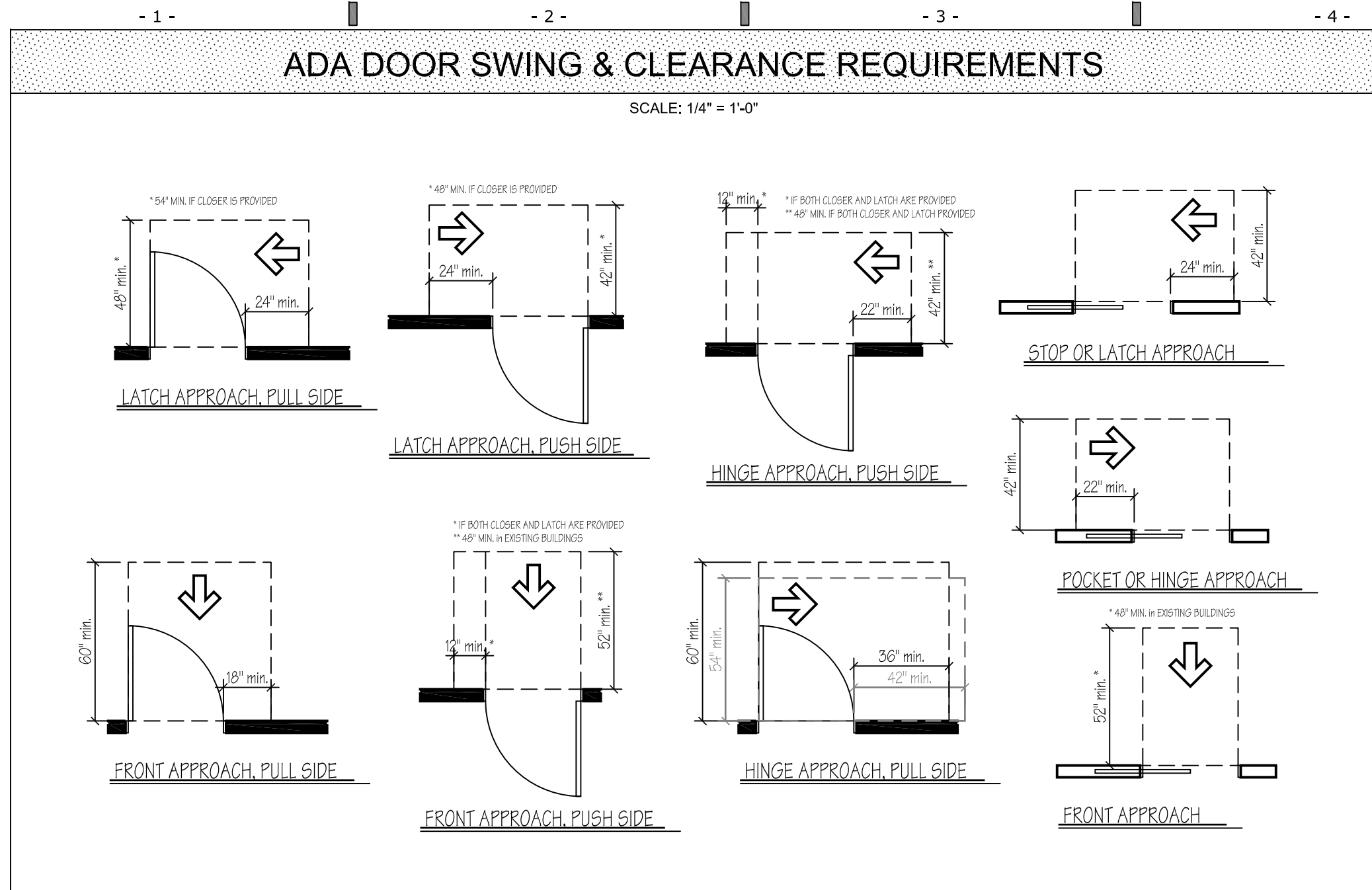
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 Sheet:  
**SITE PLAN**  
**A1.1**

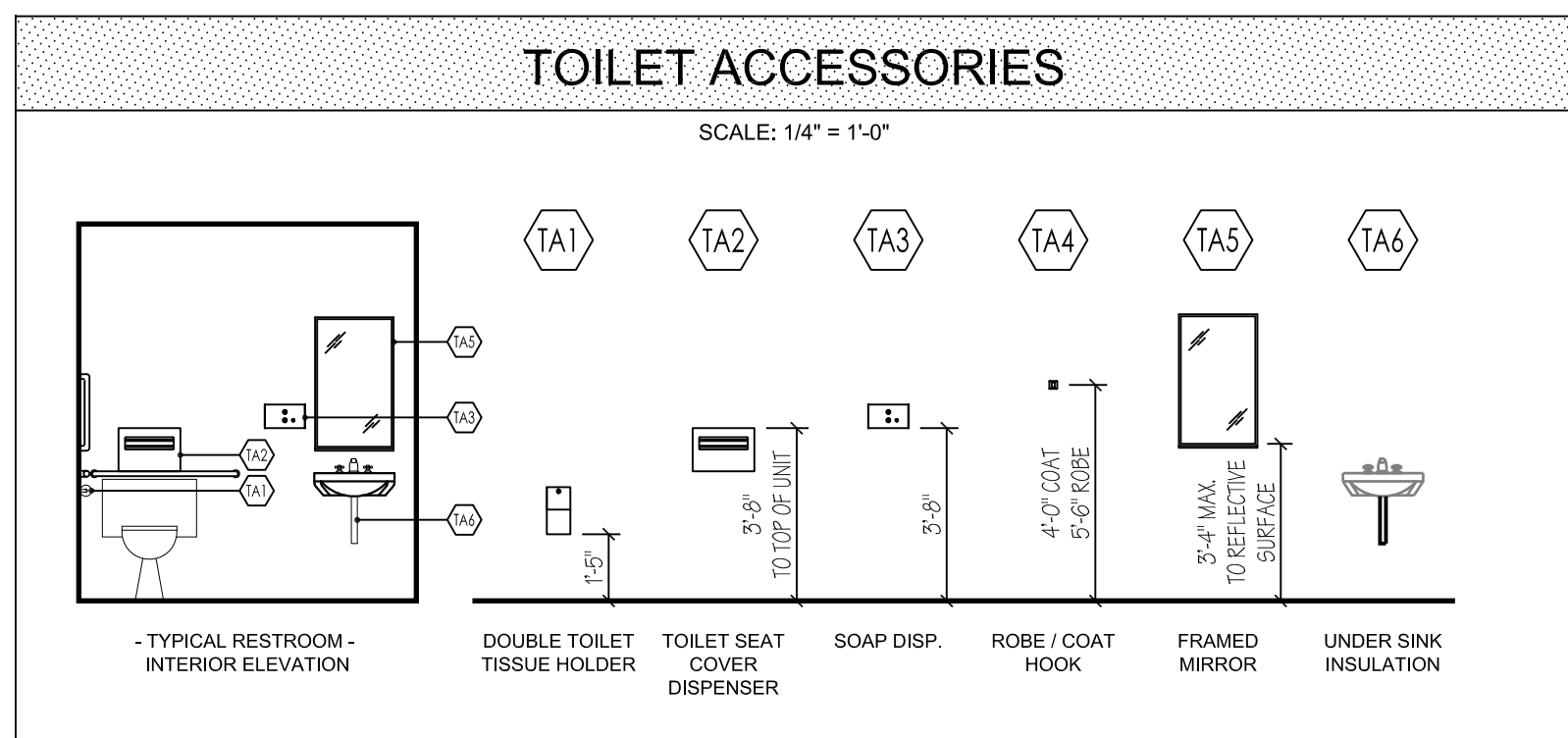


- #### DOOR & FRAME GENERAL NOTES:
- ALL DOOR SIZES ARE NOMINAL.
  - ALL DOORS ARE 1-3/4" THICK & 7'-0" HIGH UNLESS OTHERWISE NOTED.
  - ALL DOORS ARE TO BE FINISH, COORDINATE STYLE / PROFILE WITH OWNER. EXTERIOR DOORS TO BE INSULATED METAL DOORS AND METAL FRAMES. INTERIOR DOORS TO BE SOLID CORE BIRCH WOOD DOORS WITH HOLLOW METAL FRAMES.
  - COORDINATE FRAME THROAT DEPTHS WITH WALL TYPES - SEE DRWG'S.
  - GLAZING IN DOOR TO BE 1" THICK INSULATED TEMPERED GLASS.
  - PROVIDE TEMPERED GLASS WHERE REQ'D BY CODE.
  - ALL FRAMES SHALL BE SHIMMED / CAULKED IN ACCORDANCE WITH ACCEPTED PRACTICES.
  - GENERAL CONTRACTOR SHALL VERIFY ALL DOOR UNDERCUT AND LOUVER LOCATIONS WITH MECHANICAL DRAWINGS.
- #### DOOR HARDWARE GENERAL NOTES:
- GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE ALL DOOR HARDWARE REQUIREMENTS FOR ALL FRAMES INDICATED. ALL SUBMITTALS ISSUED TO THE ARCHITECT SHALL REFLECT THIS FIELD VERIFIED COORDINATION.
  - ALL HARDWARE SHALL BE HEAVY DUTY, GRADE 2, WITH US 2RD FINISH.
  - PROVIDE ALL PLATES, STRIKES, ETC. AS REQ'D FOR A COMPLETE ASSEMBLY.
  - PROVIDE CONCAVE STYLE WALL STOPS OR FLOOR STOPS WHERE REQ'D.
  - ALL EXTERIOR DOORS ARE TO BE PREPARED TO OWNER SPECIFICATIONS TO ACCEPT ELECTRICAL DOOR STRIKES, CLOSERS AND AUTOMATIC DOOR OPENERS.

### TOILET ACCESSORY SCHEDULE

NO	DESCRIPTION	MFG.	MFG. NO.	MOUNTING	QTY.	REMARKS
GEN	GRAB BARS	AMERICAN SPECIALTIES (ASI)	3800	SURFACE	2	18" LENGTH
GEN	GRAB BARS	AMERICAN SPECIALTIES (ASI)	3800	SURFACE	2	36" LENGTH
GEN	GRAB BARS	AMERICAN SPECIALTIES (ASI)	3800	SURFACE	2	42" LENGTH
TA1	TOILET TISSUE DISPENSER	KOHLER	ELATE K-27289	SURFACE	4	
TA2	TOILET SEAT COVER DISPENSER			SURFACE	4	
TA3	WALL SOAP DISPENSER	AMERICAN SPECIALTIES (ASI)	6326	RECESSED	4	
TA4	COAT HOOKS	AMERICAN SPECIALTIES (ASI)	7308	SURFACE	4	
TA5	MIRROR	AMERICAN SPECIALTIES (ASI)	0620	SURFACE	4	24" x 36"
TA6	UNDERSINK INSULATION					

- #### GENERAL RESTROOM NOTES:
- PROVIDE SUBMITTAL OF TOILET ACCESSORIES FOR OWNER / ARCHITECT APPROVAL.
  - HANDWASH, COUNTERSINK, AND ANY OTHER TYPE OF LAVATORY SHALL BE ACCOMPANIED BY A SOAP DISPENSER (TA3) AND PAPER TOWEL DISPENSER.
  - PROVIDE A ROBE / COAT HOOK AT ALL RESTROOM DOORS.
  - PROVIDE A MIRROR (TA5) AT ALL RESTROOMS ABOVE SINK.
  - SILICONE SEAL AROUND ALL TOILET ROOM ACCESSORY SURFACES IN CONTACT WITH WALL SURFACE TO AVOID ANY MOISTURE PENETRATING WALL CAVITY.



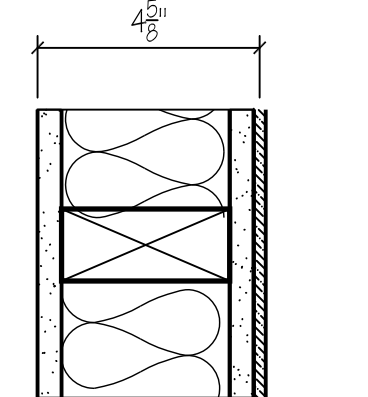
NOTE: WATER CLOSET FLUSH CONTROLS ON OPEN SIDE PER CODE REQUIREMENTS.

**W3** EXTERIOR WALL @ STORAGE

EXTERIOR WALL  
FIRE RATING:  
UL DESIGN NO.:-  
SIC: --

CORRUGATED METAL SIDING  
2 X 4 HORIZONTAL GIRT @ 24" O.C.  
BATT INSULATION (R-20) MIN.  
CLOSED CELL SPRAY FOAM INSULATION  
(R-20) MIN. (ADD ALT.)

2 X 4 HORIZONTAL GIRT @ 24" O.C.  
CORRUGATED METAL SIDING (WHITE)



**W2** TYPICAL INTERIOR PARTITION

INTERIOR PARTITION - NON-BEARING  
FIRE RATING: NON-RATED  
UL DESIGN NO.:-  
SIC: --

5/8" GYPSUM WALLBOARD  
2 X 4 WOOD STUDS @ 16" O.C.  
STUDS RUN FROM FLOOR TO 8TH OF ROOF TRUSS  
5/8" MR GYPSUM WALLBOARD (RESTROOM SIDE)  
FRP REINFORCED PLASTIC (FRP) 4' AFF.  
FRP FULL HEIGHT IN CONCESSION



**TYP. WALL TYPES**  
SCALE: 1/4" = 1'-0"

### KITCHEN EQUIPMENT

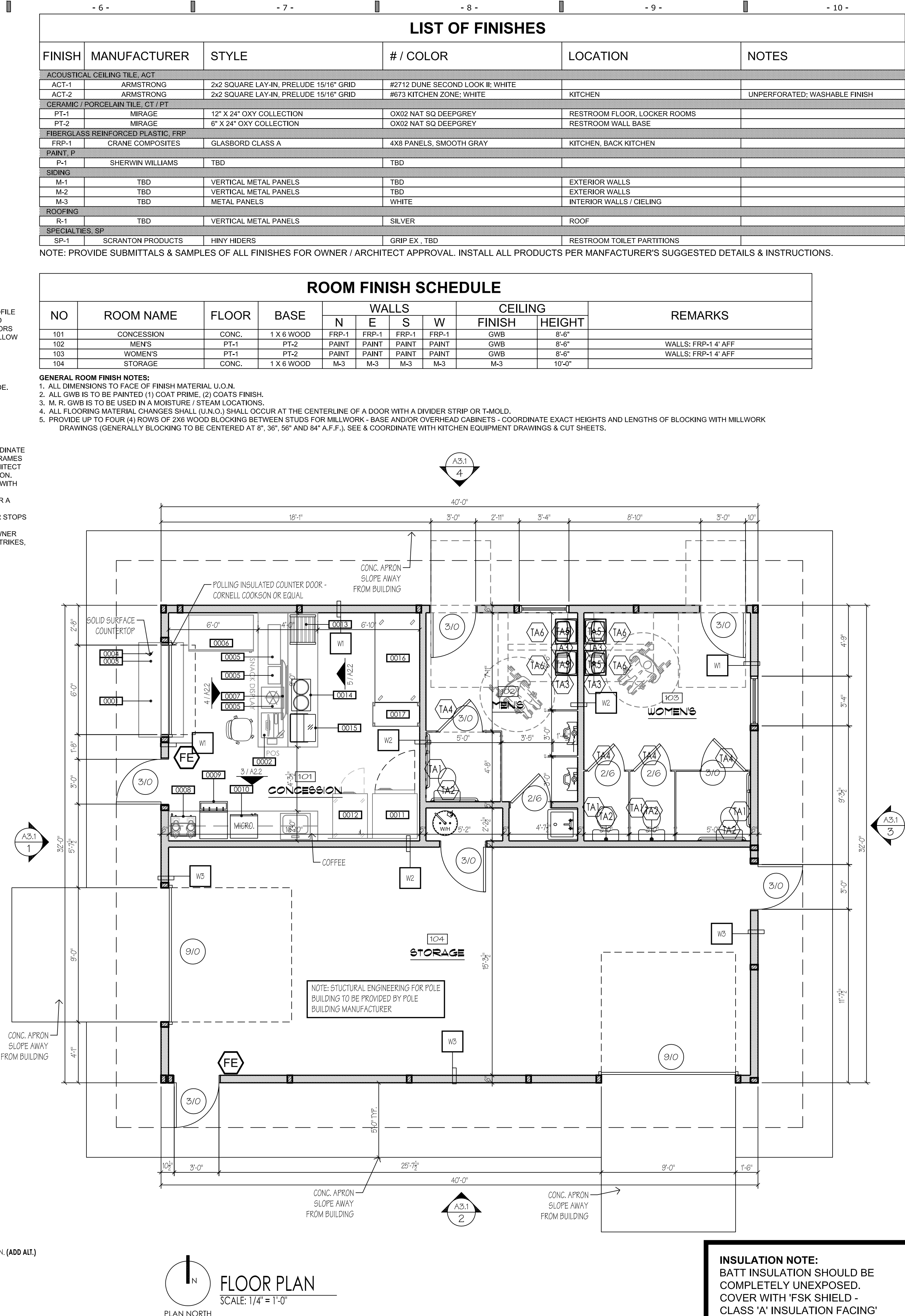
ITEM #	EQUIPMENT	QTY.
0001	CHECKOUT MILLWORK & COUNTER	1
0002	POS SYSTEM	1
0003	CONDIMENTS COUNTER - MOBILE	1
0004	PLASTICWARE DISPENSER	1
0005	SNACK / CANDY DISPLAY	1
0006	BOTTLED BEV. MERCHANDISER	1
0007	DIGITAL MENU DISPLAY - CLANG MTD.	1
0008	COFFEE BREWER	1
0009	C.T. ICE/BEVERAGE DISPENSER	1
0010	MICROWAVE	1
0011	REFRIGERATOR, REACH-IN	1
0012	FREEZER, REACH-IN	1
0013	HOT DOG ROLLER / GRILL	1
0014	HOT WELLS, C.T.	2
0015	WARMER, C.T. BUFFET	1
0016	WORK TABLE (36" x 72")	1
0017	SHELVING (18" x 36")	1

NOTE: KITCHEN PLANS ARE PRELIMINARY FOR LAYOUT PURPOSES ONLY. KITCHEN EQUIPMENT TO BE PROVIDED BY KITCHEN EQUIPMENT VENDOR / OWNER. CASEWORK & COUNTERTOPS WITH EQUIPMENT IN THEM ARE PART OF THIS CONTRACT AND TO BE PROVIDED BY GENERAL CONTRACTOR AND COORDINATED WITH KITCHEN EQUIPMENT CONTRACTOR (K.E.C.). MAKE PLUMBING & ELECTRICAL FINALS TO EQUIPMENT PLACED BY K.E.C. IS PART OF THIS CONTRACT. SEE MECHANICAL AND ELECTRICAL DRAWINGS.

**W1** EXTERIOR WALL TYP

EXTERIOR WALL  
FIRE RATING: NON-RATED  
UL DESIGN NO.:-  
SIC: --

CORRUGATED METAL SIDING  
2 X 4 HORIZONTAL GIRT @ 24" O.C.  
BATT INSULATION (R-20) MIN.  
CLOSED CELL SPRAY FOAM INSULATION (R-20) MIN. (ADD ALT.)  
2 X 4 HORIZONTAL GIRT @ 24" O.C.  
5/8" MR GYPSUM WALLBOARD  
FRP REINFORCED PLASTIC (FRP) 4' AFF.  
FRP FULL HEIGHT IN CONCESSION



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

**INSULATION NOTE:**  
BATT INSULATION SHOULD BE COMPLETELY UNEXPOSED. COVER WITH 'FSK SHIELD - CLASS 'A' INSULATION FACING' BY F-1 FOIL

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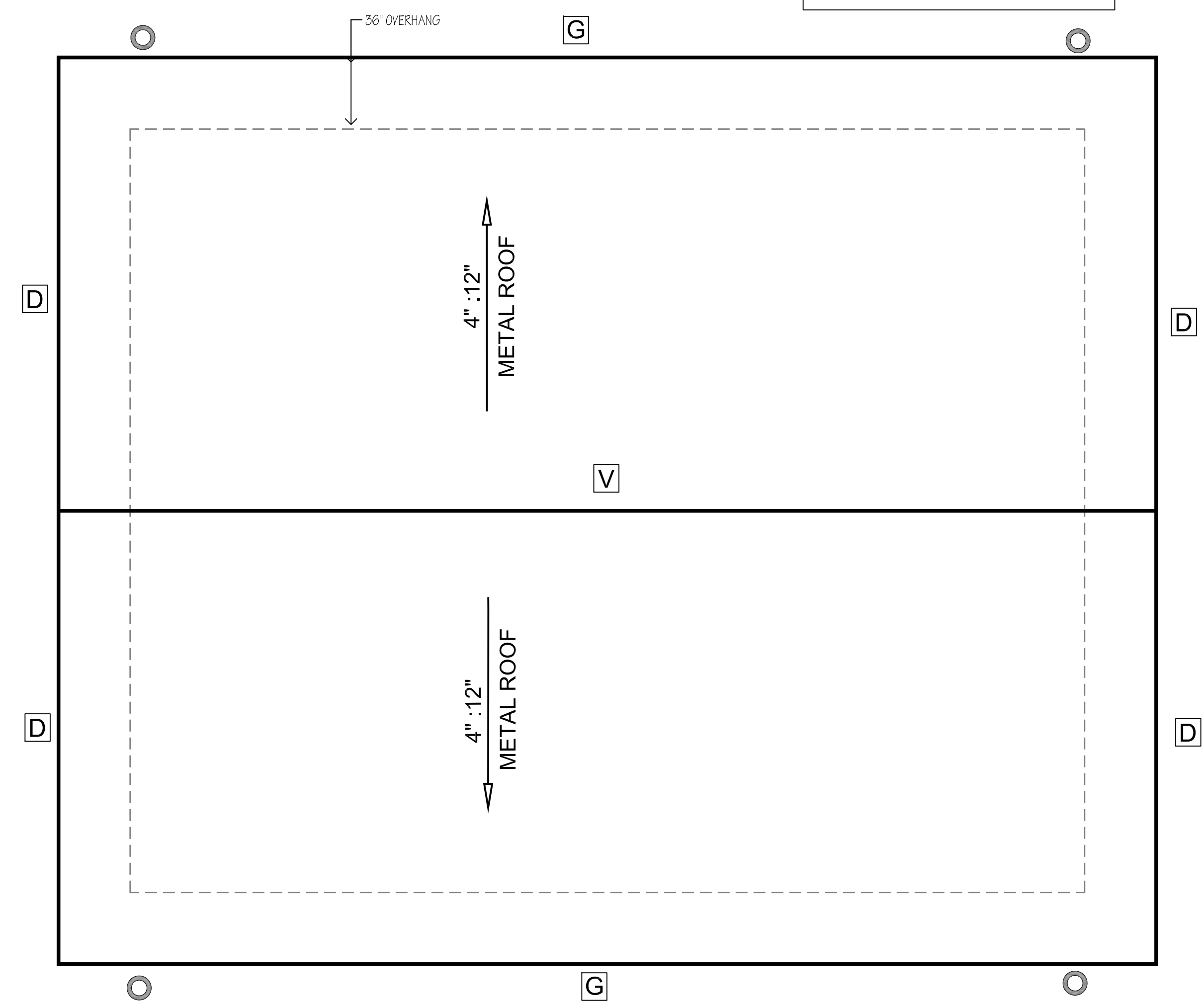
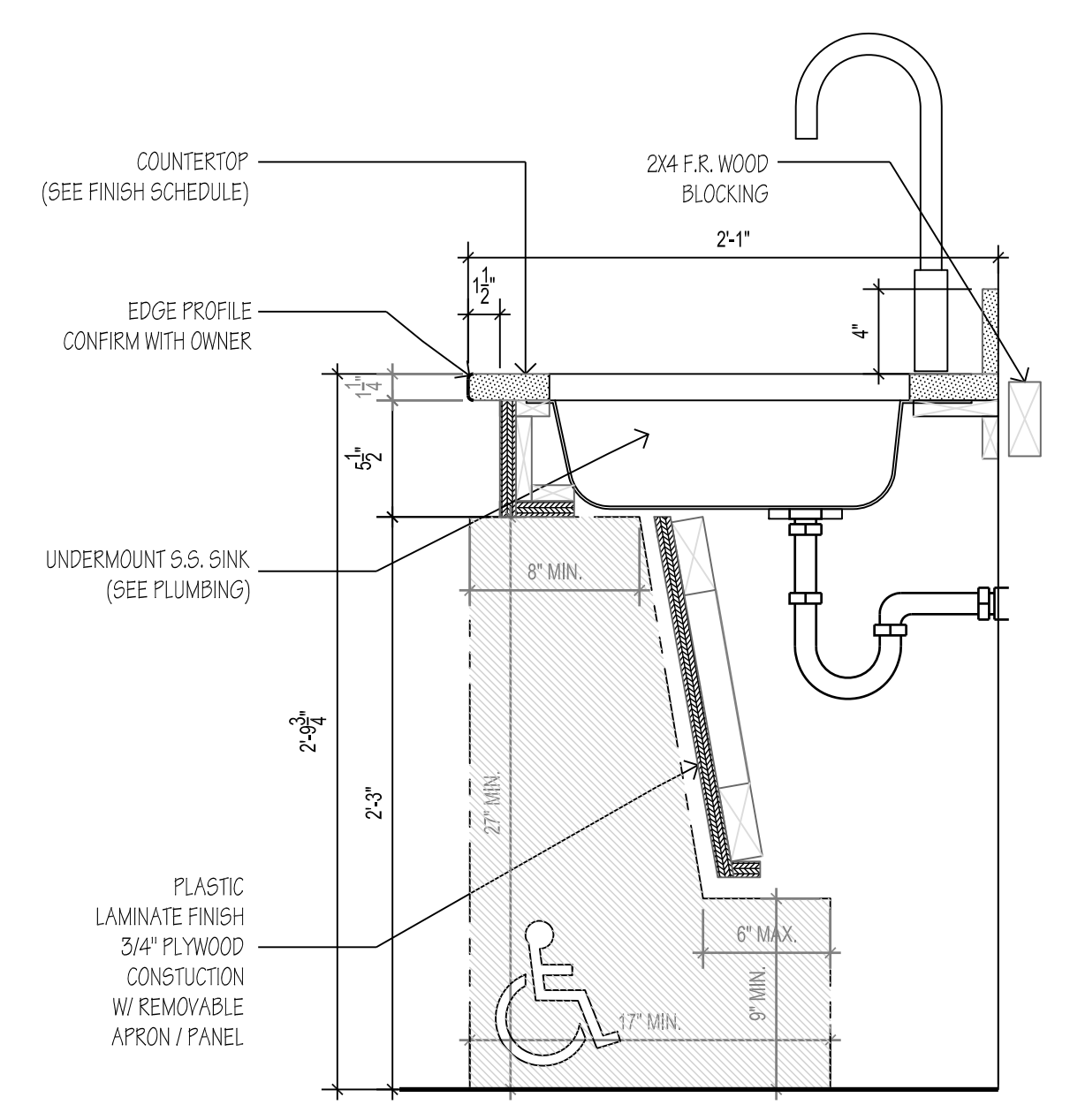
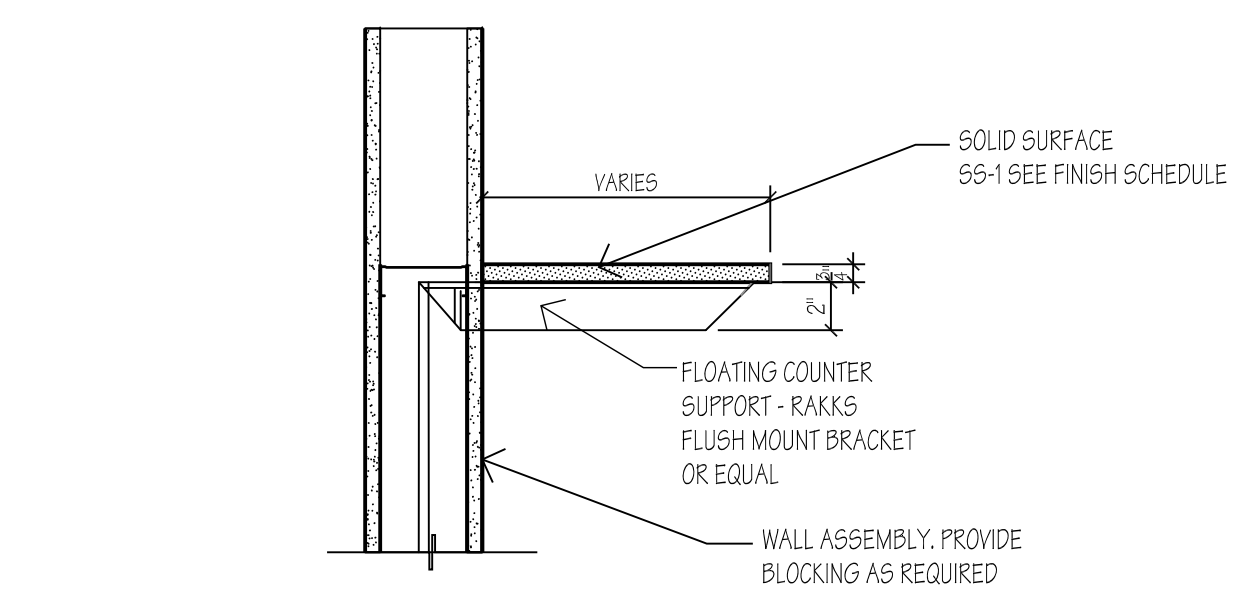
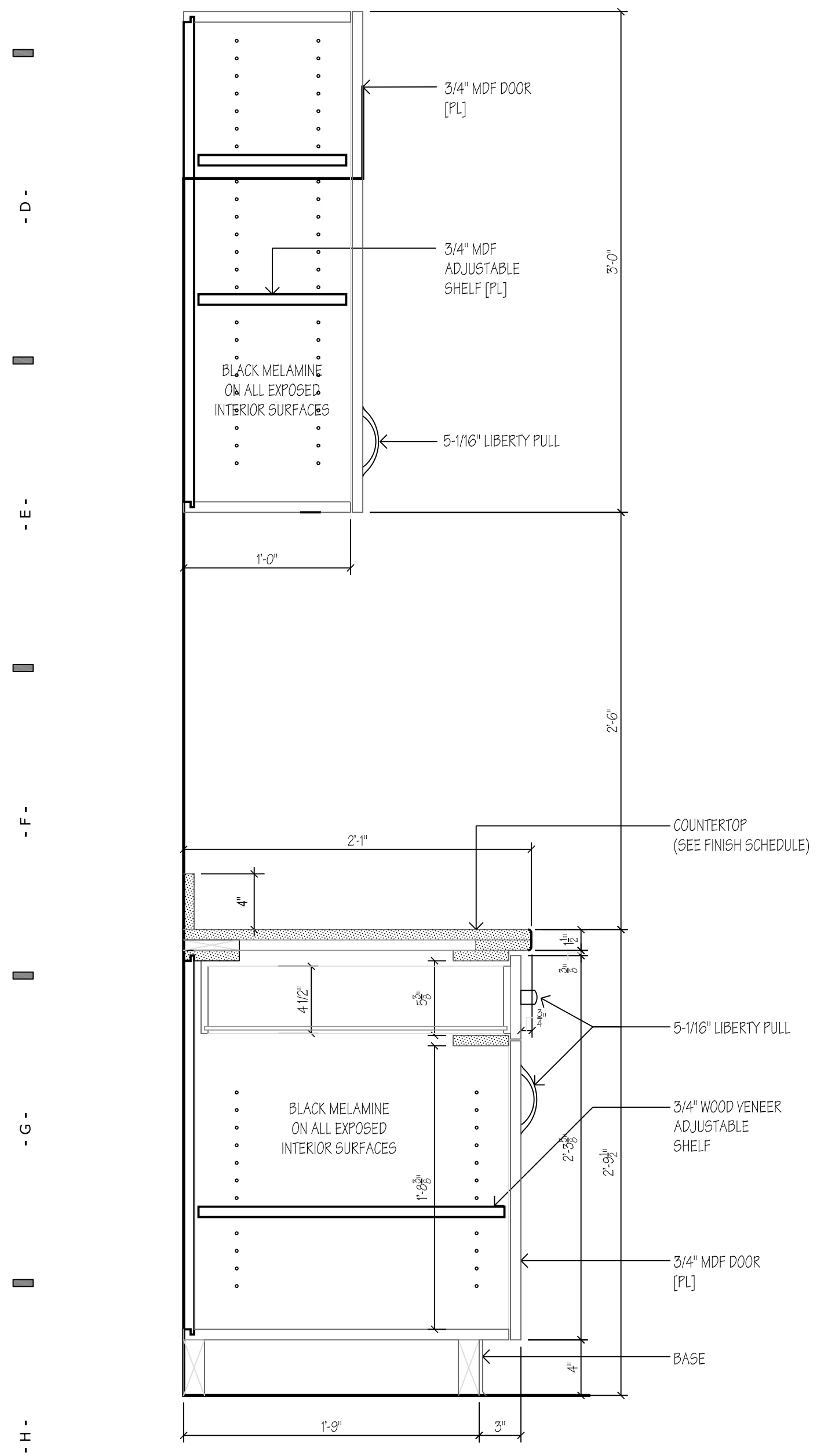
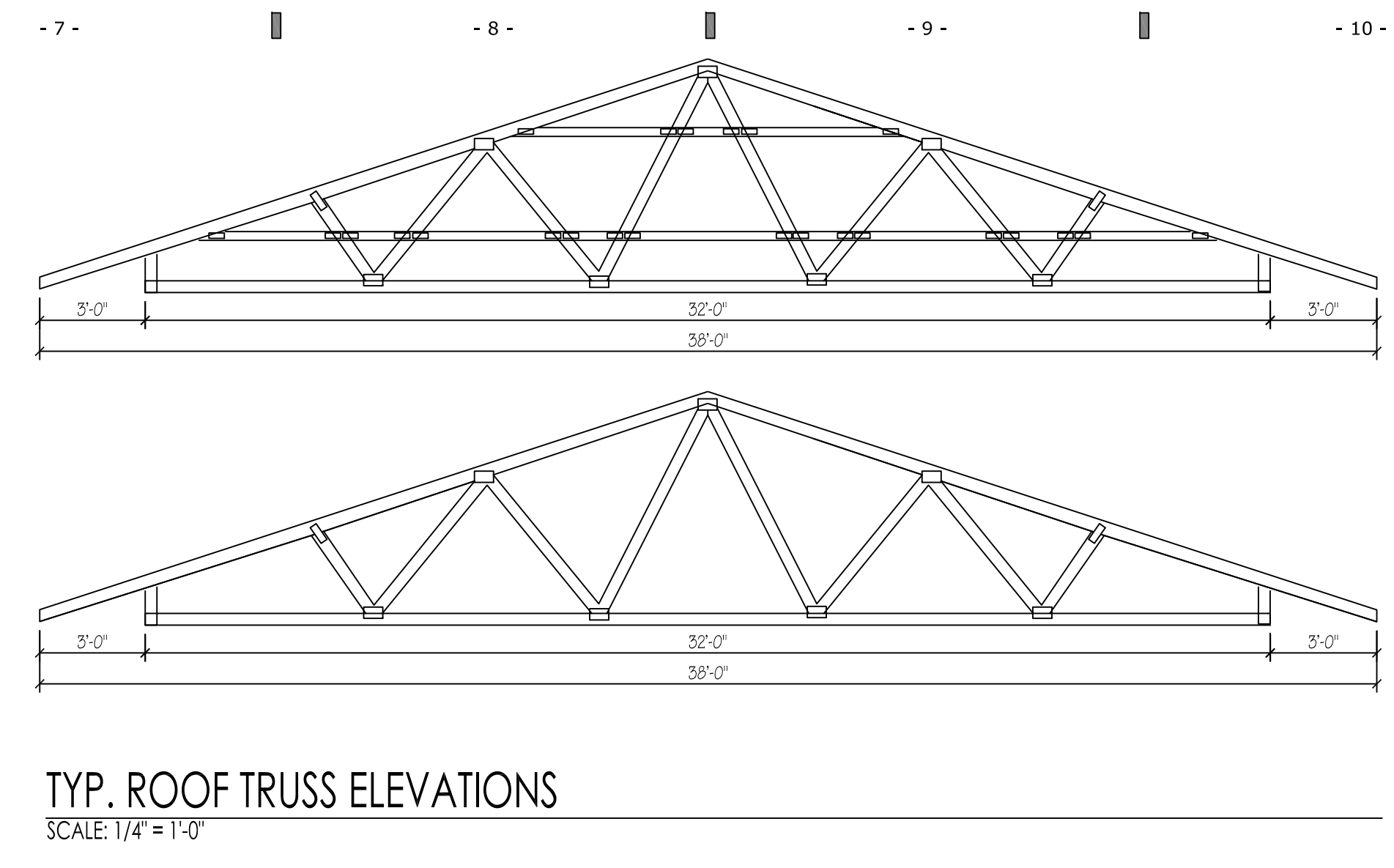
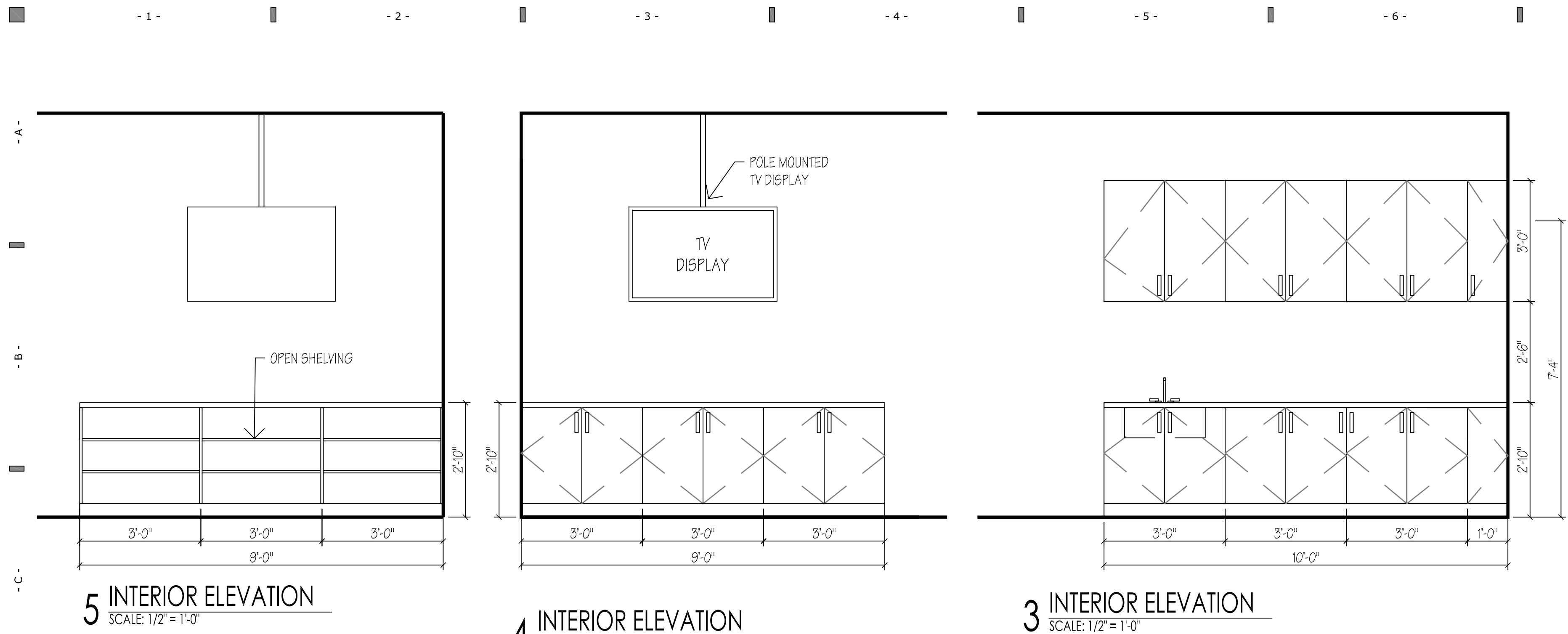
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Sheet: **FLOOR PLAN**  
**A2.1**



**ROOFING LEGEND**

SLOPE DIRECTION — ROOF SLOPE PER FOOT —> SUBSTRATE

- GUTTER EDGE
- DRIP EDGE
- RIDGE VENT
- LOCATION OF GUTTER DOWNSPOUT

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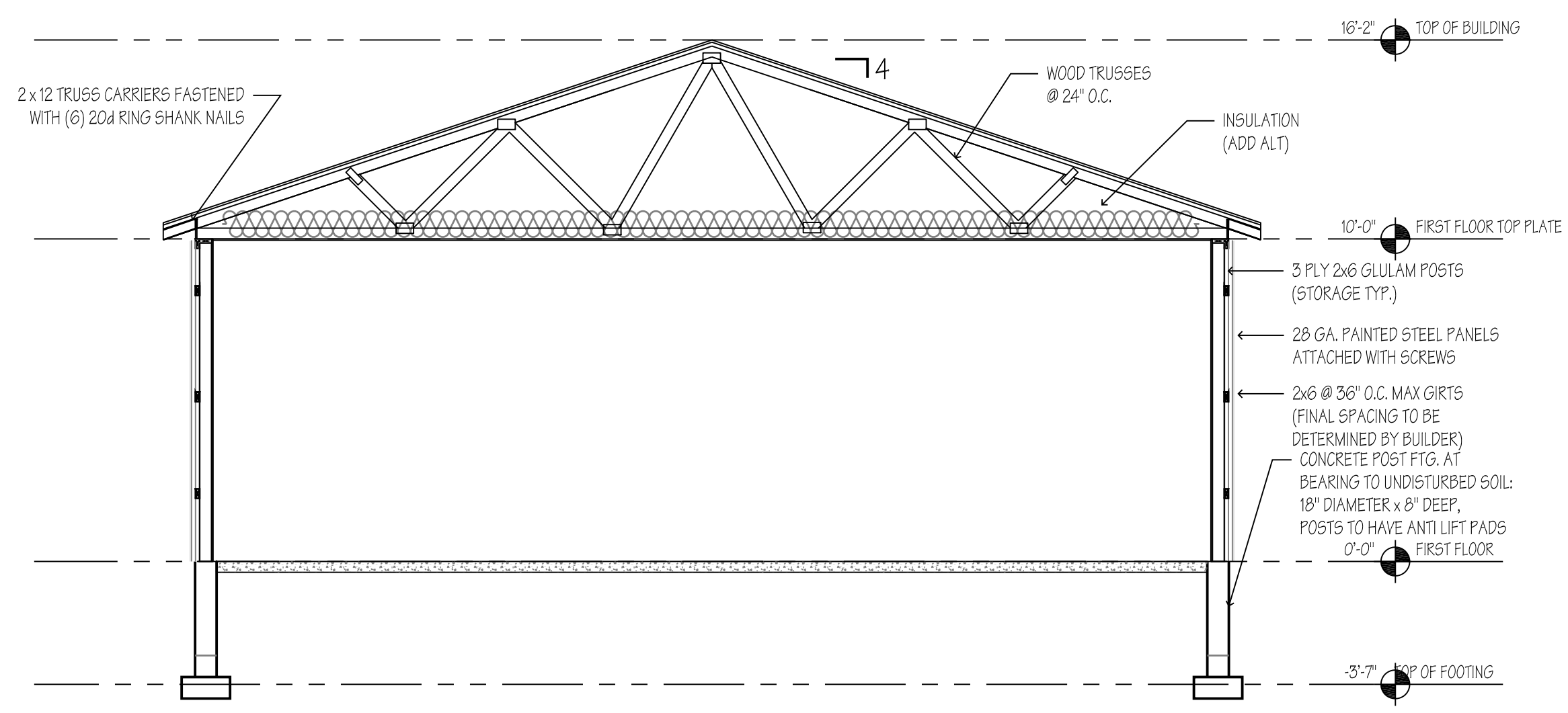
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Project: Riverside Concessions Building  
Date: 09/20/2022  
Drawn: MM Checked: ---  
Scale: 1/4" = 1'-0"  
Sheet: **A2.2**

ROOF PLAN

- 1 -      - 2 -      - 3 -      - 4 -      - 5 -      - 6 -      - 7 -      - 8 -      - 9 -      - 10 -

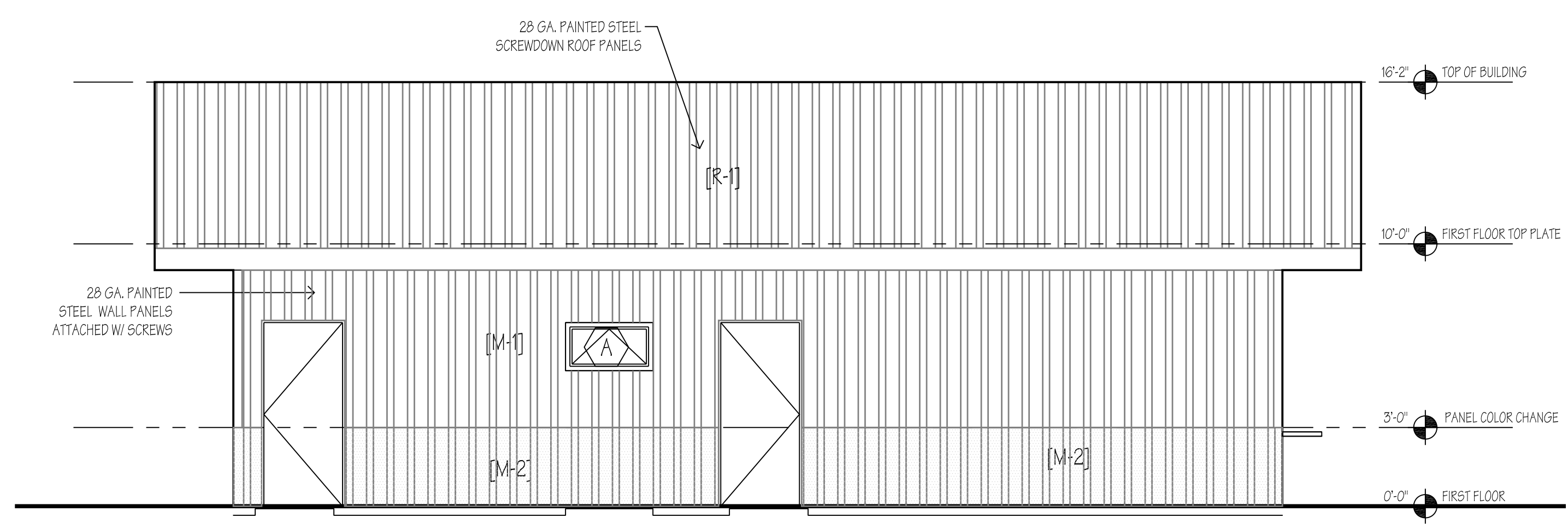
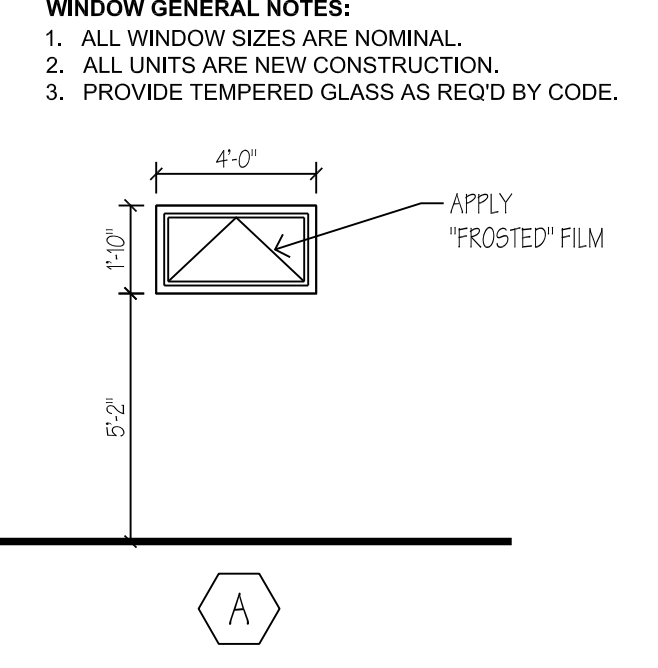
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- B -  
- C -  
- D -  
- E -  
- F -  
- G -  
- H -



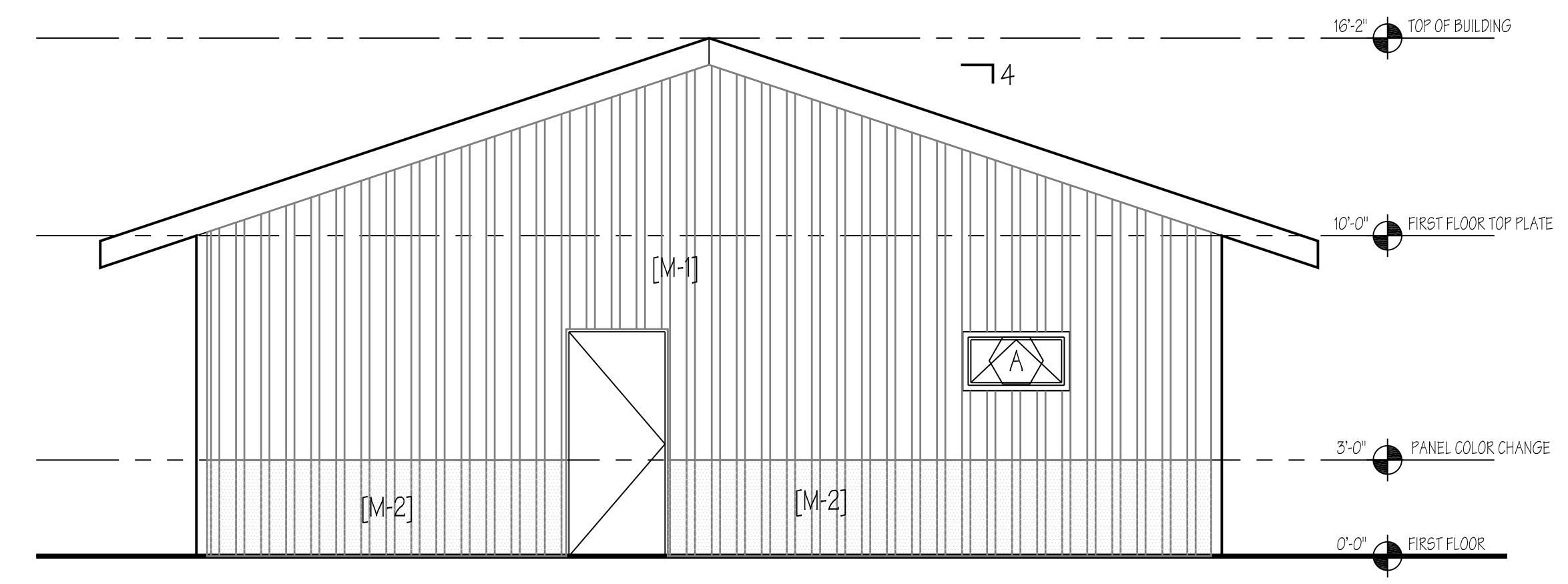
**5 BUILDING SECTION**  
SCALE: 1/4" = 1'-0"

EXTERIOR FINISH SCHEDULE				
FINISH	MANUFACTURER	DESCRIPTION	STYLE / COLOR	NOTES
<b>SIDING &amp; VENEERS</b>				
M-1	TBD	METAL WALL PANEL	VERTICAL PANELS / TBD	
M-2	TBD	METAL WALL PANEL	VERTICAL PANELS / TBD	
<b>ROOFING</b>				
R-1	TBD	METAL WALL PANEL	CONCEALED FASTENER ROOF PANELS	

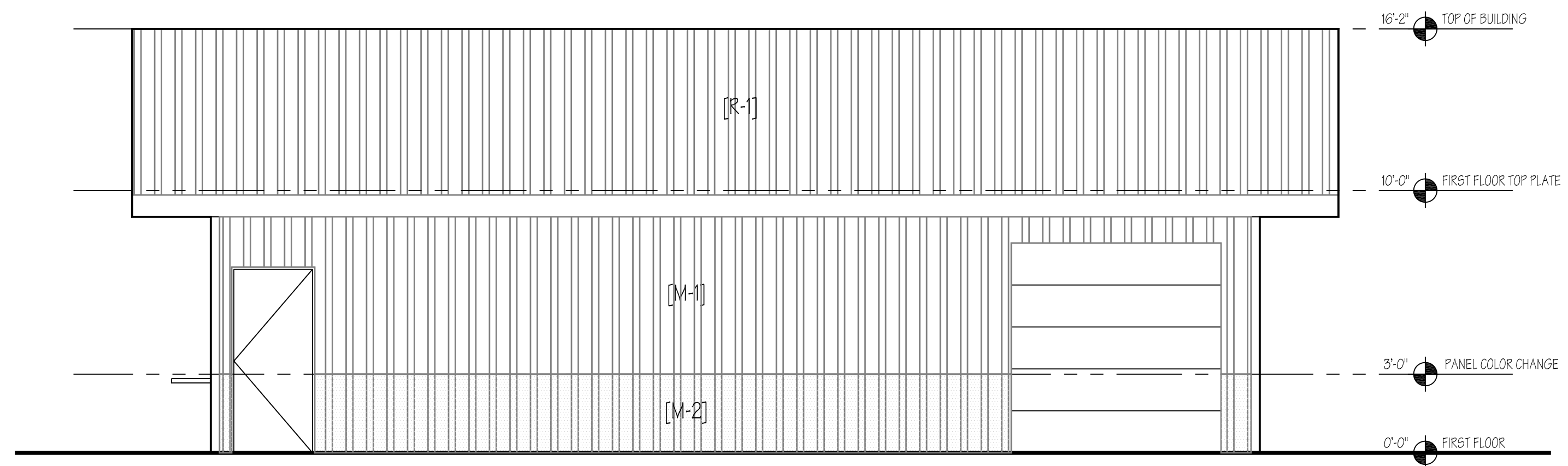
WINDOW SCHEDULE						
NO	NOMINAL SIZE		TYPE	QTY.	COLOR	REMARKS
	WIDTH	HEIGHT				
A	4'-0"	1'-10"	AWNING	2		PROVIDE FROSTED WINDOW FILM ON GLAZING



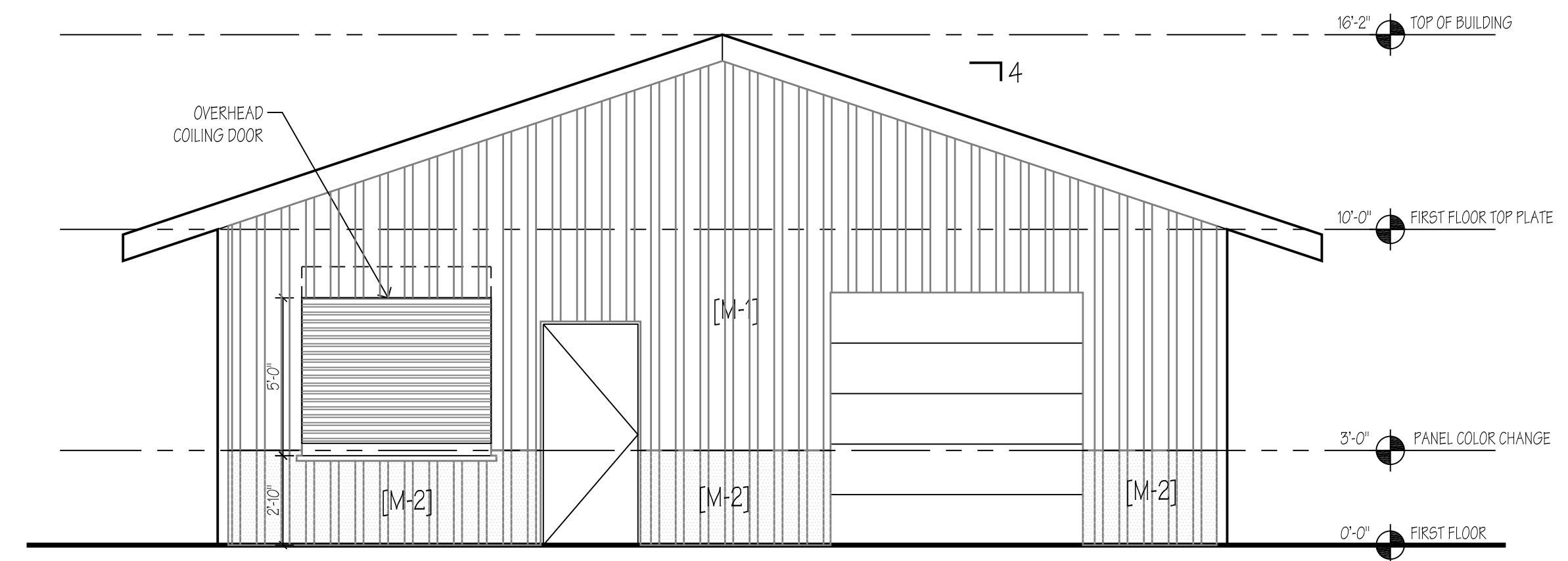
**4 EXTERIOR ELEVATION**  
SCALE: 1/4" = 1'-0"



**3 EXTERIOR ELEVATION**  
SCALE: 1/4" = 1'-0"



**2 EXTERIOR ELEVATION**  
SCALE: 1/4" = 1'-0"



**1 EXTERIOR ELEVATION**  
SCALE: 1/4" = 1'-0"

Client: **Riverside Concessions / Storage Building**  
Client: Riverside School District

Consultants:

C. Allen Mullins architect  
ARCHITECTS | PLANNERS  
606 North Main St., Wilkes-Barre, PA 18705  
T | 570 | 824.3320 F | 570 | 604.4956  
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Seals:

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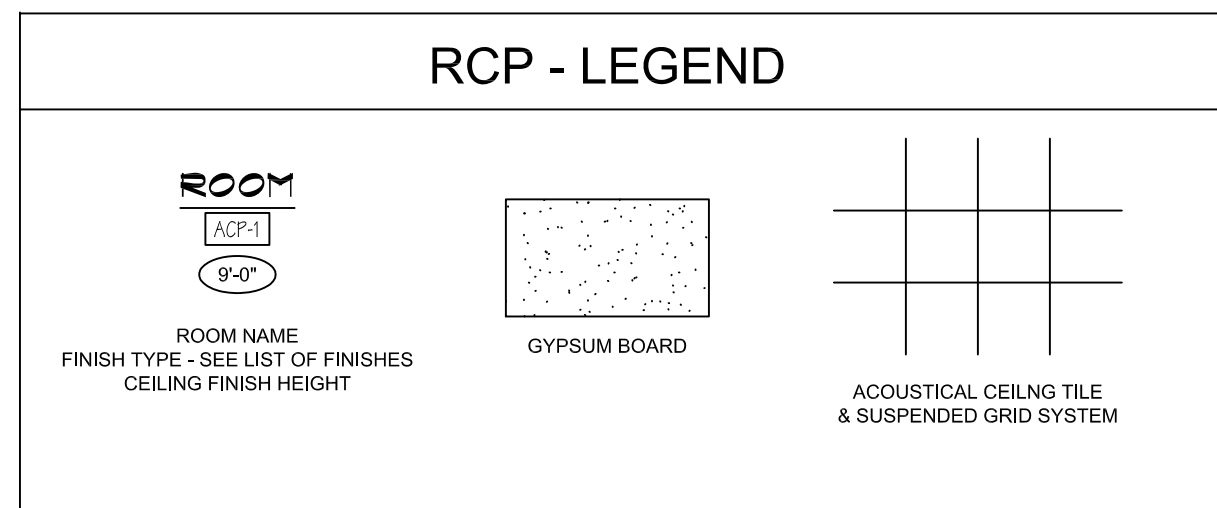
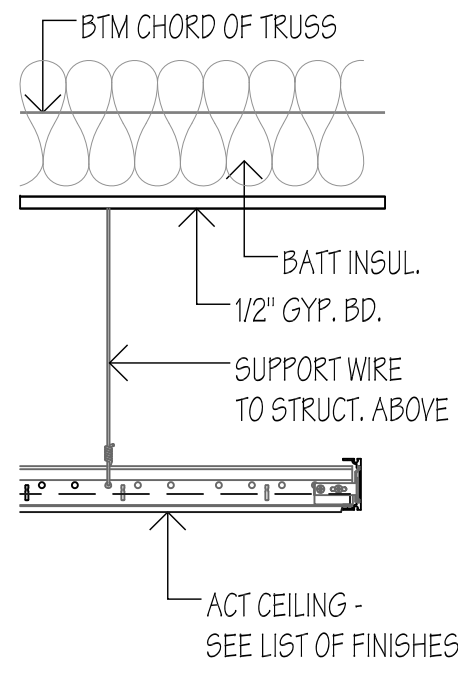
Revisions   Issues	
No:	Date:

Phase: **PERMIT SET**

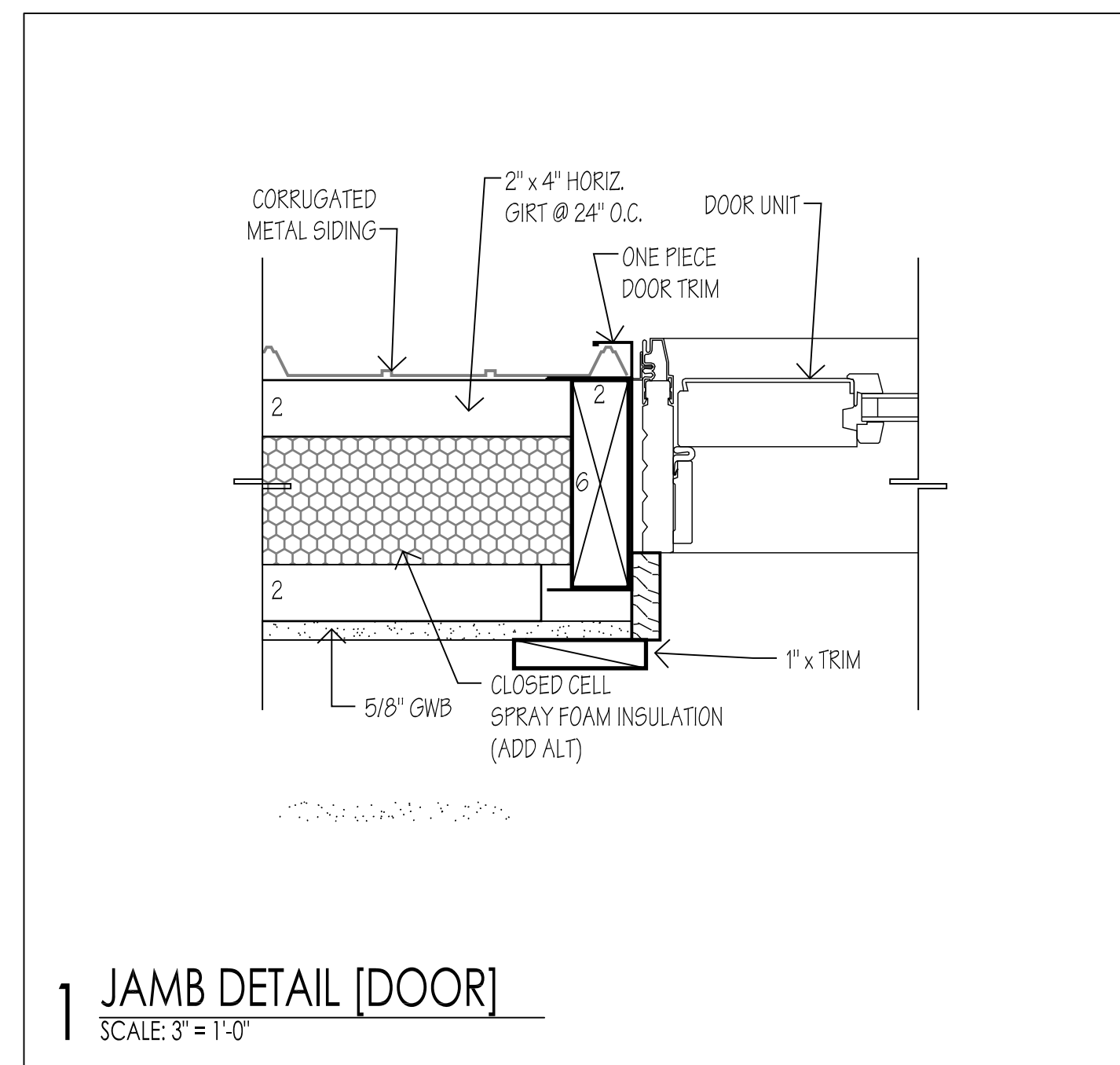
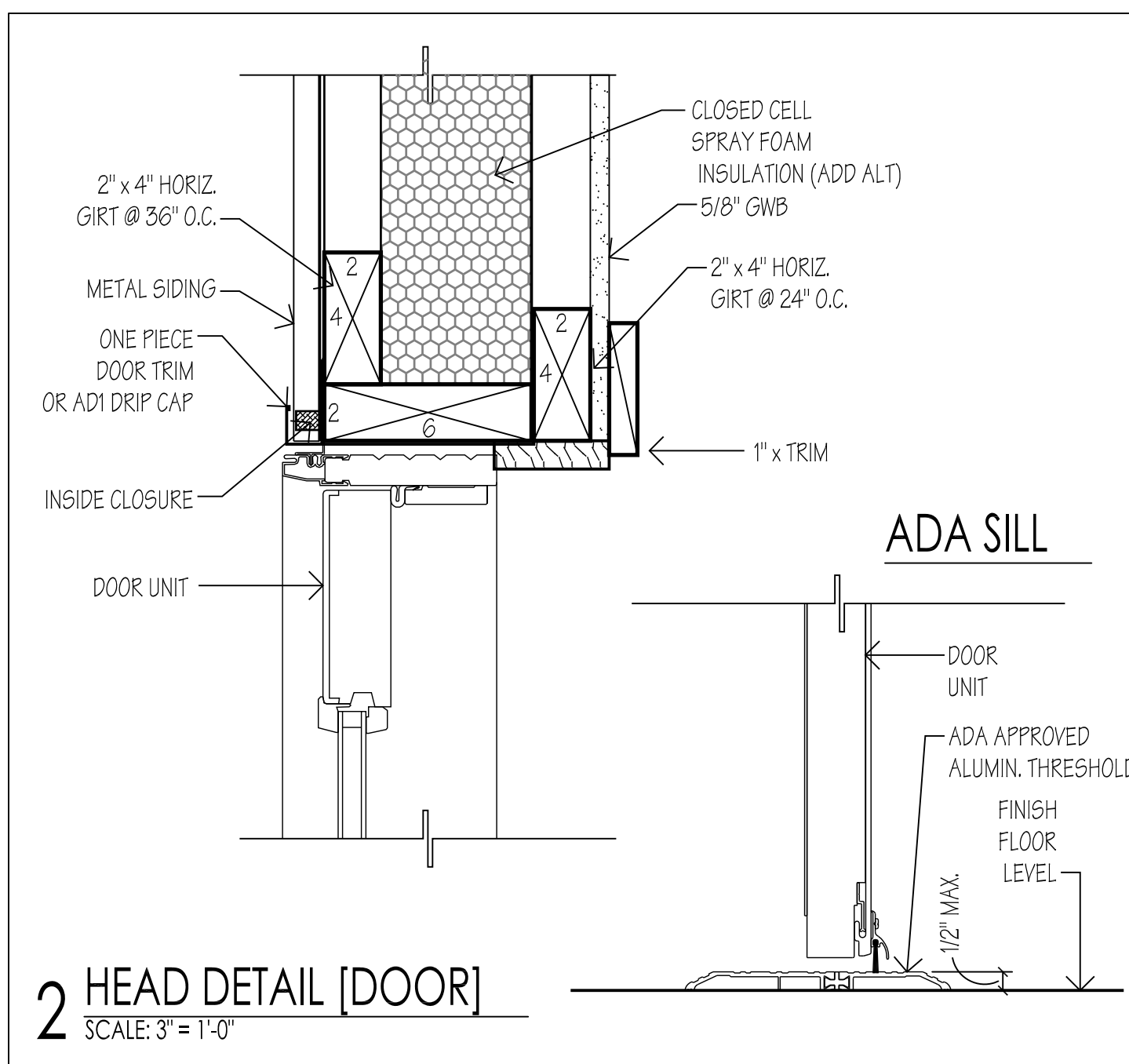
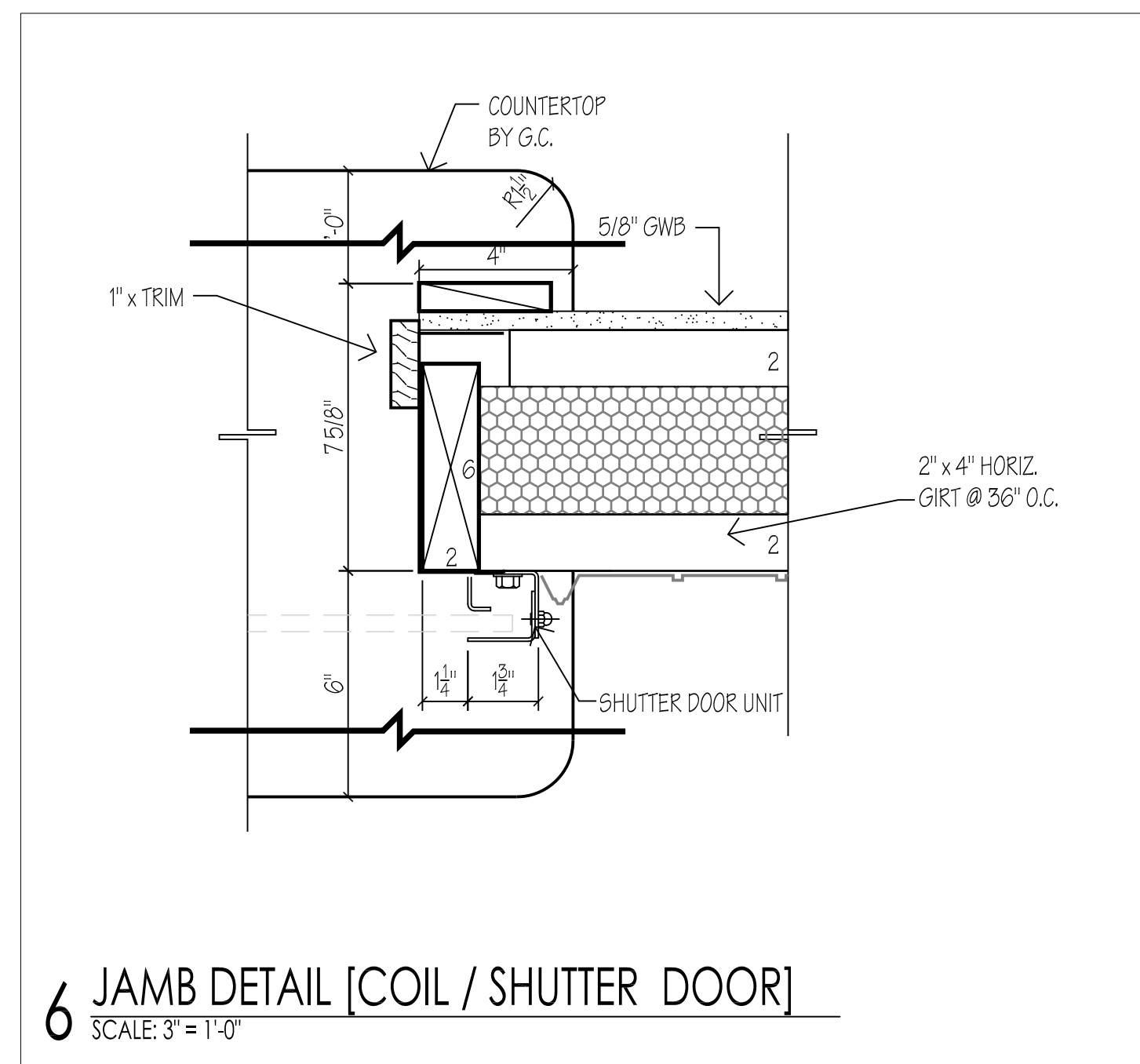
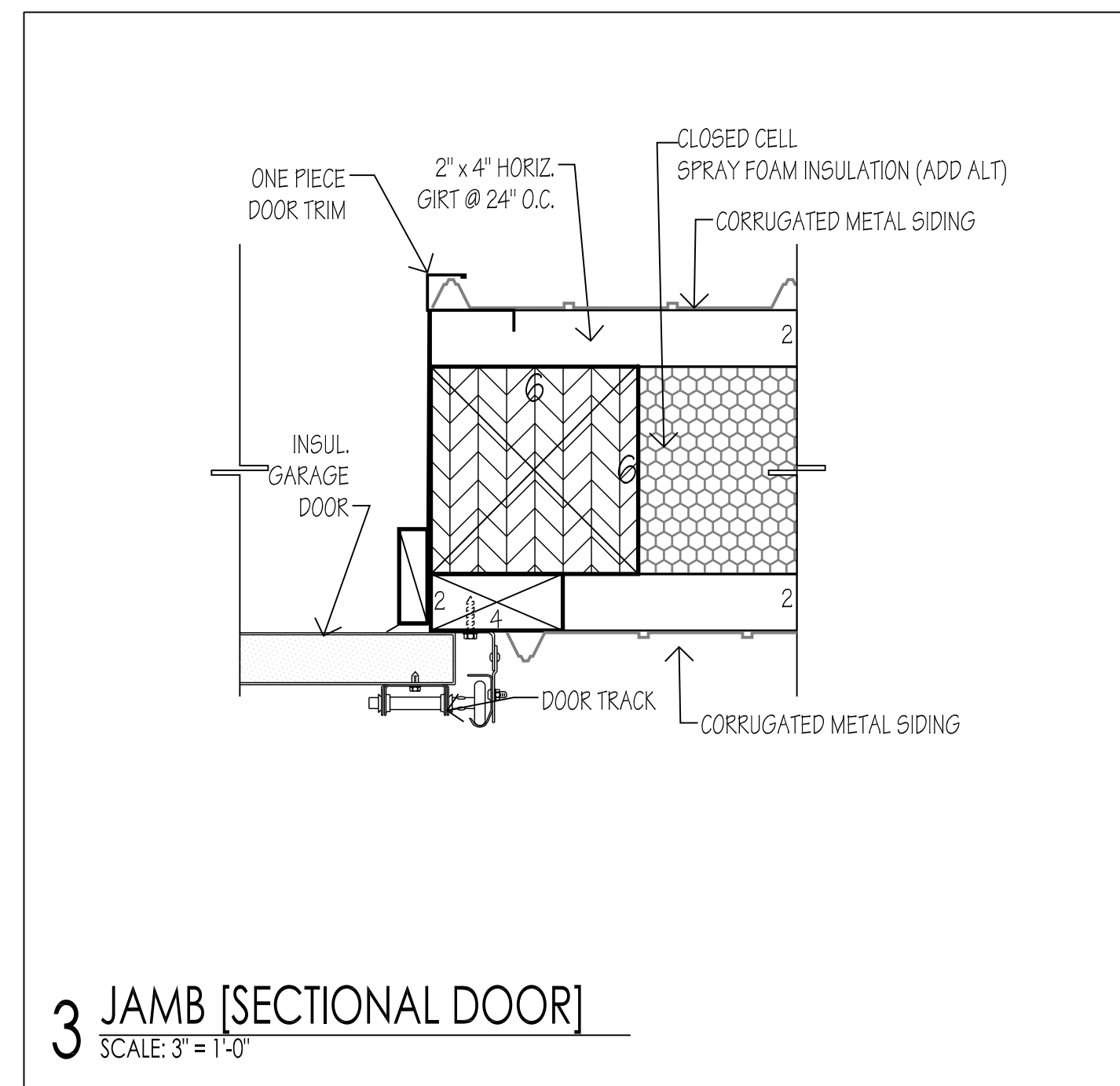
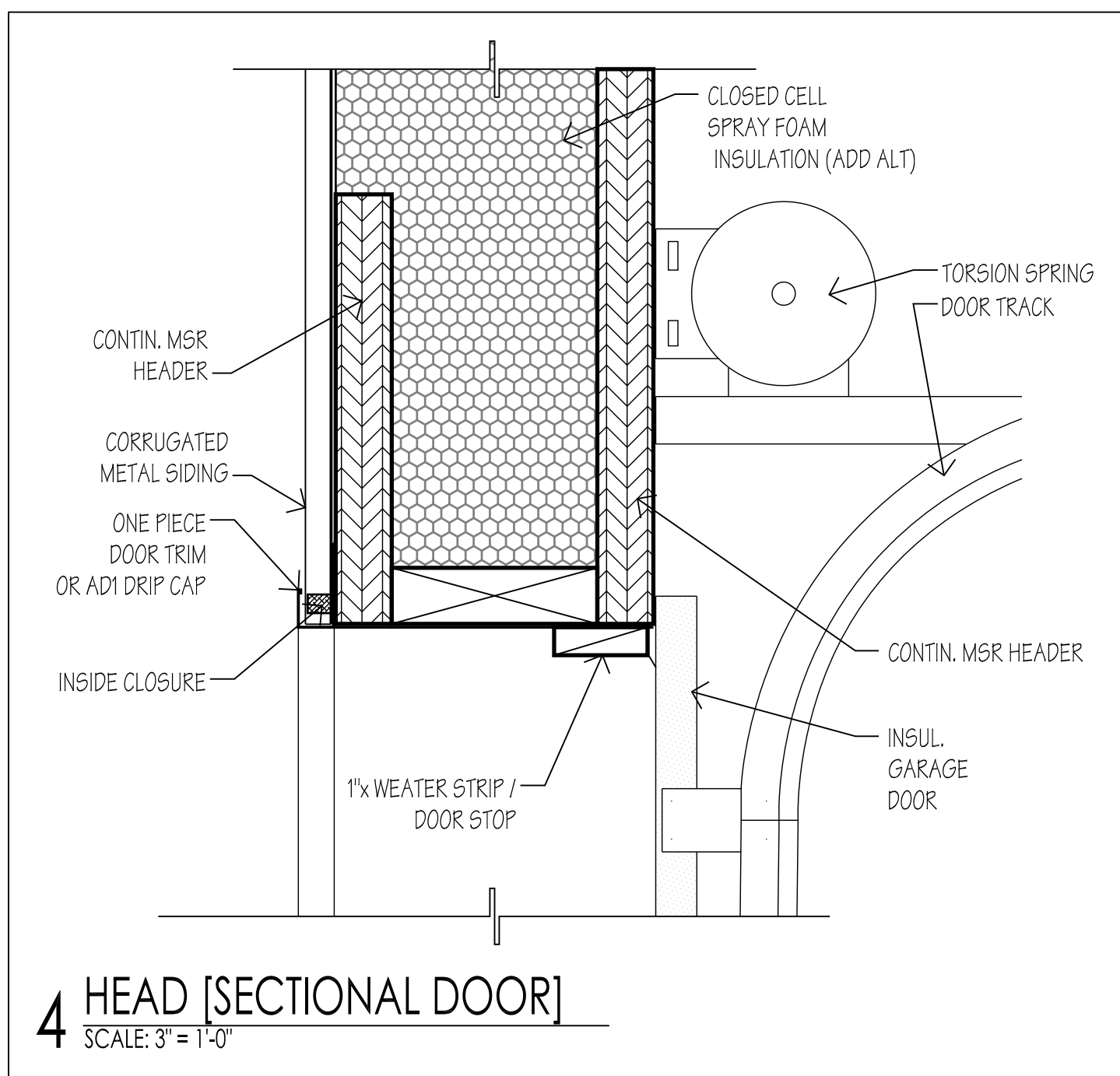
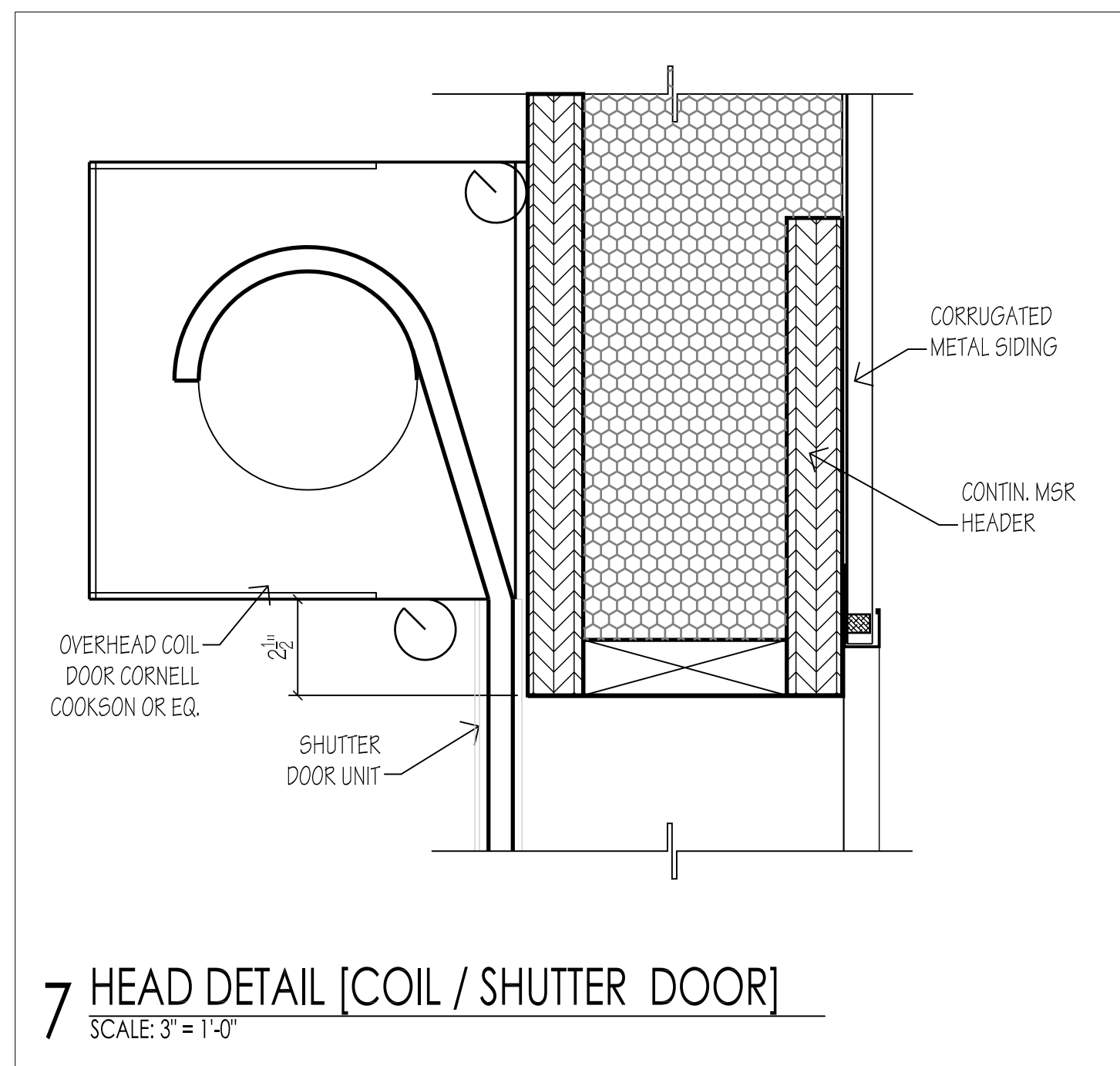
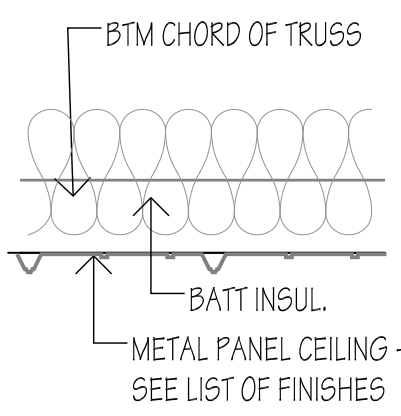
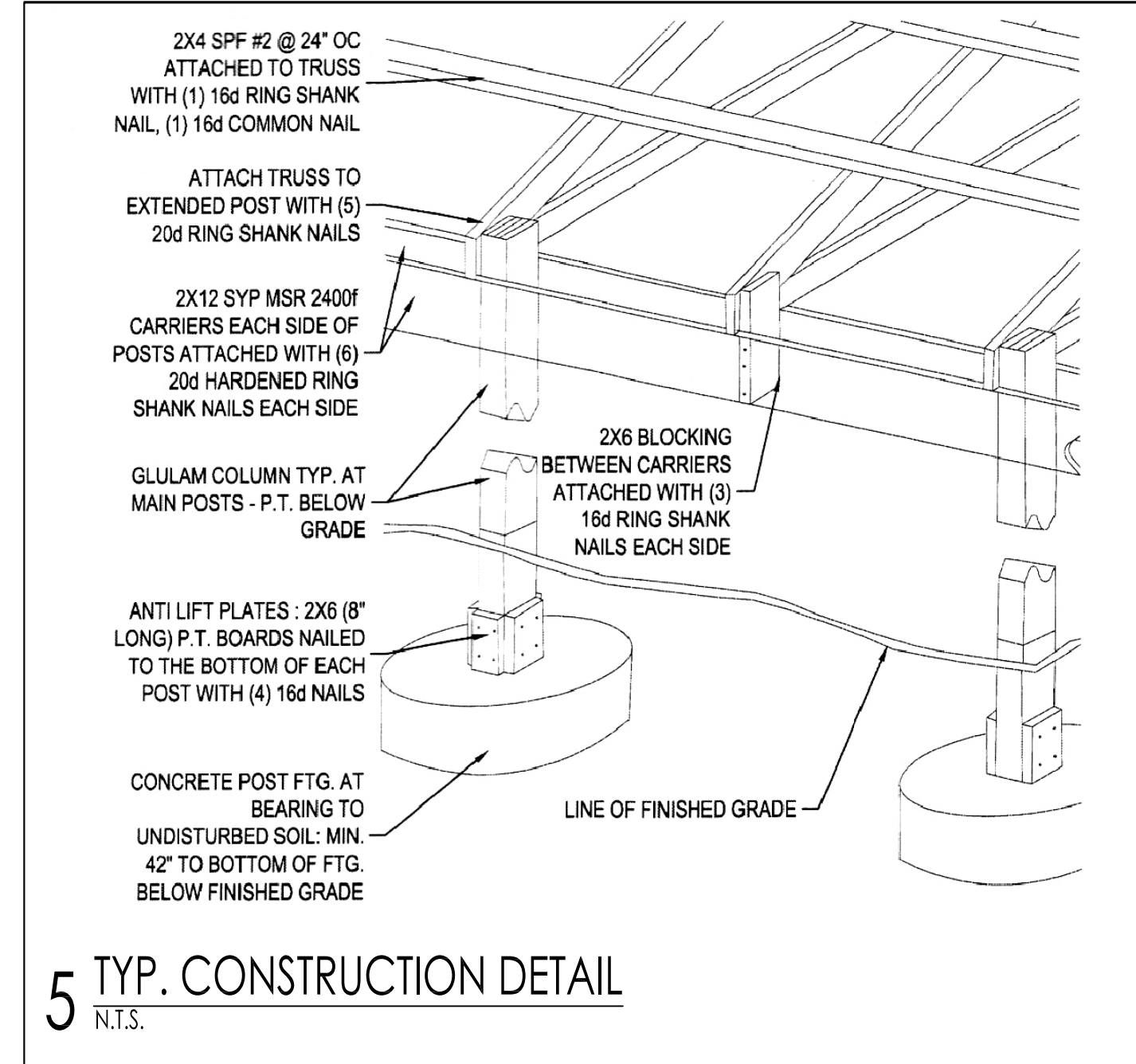
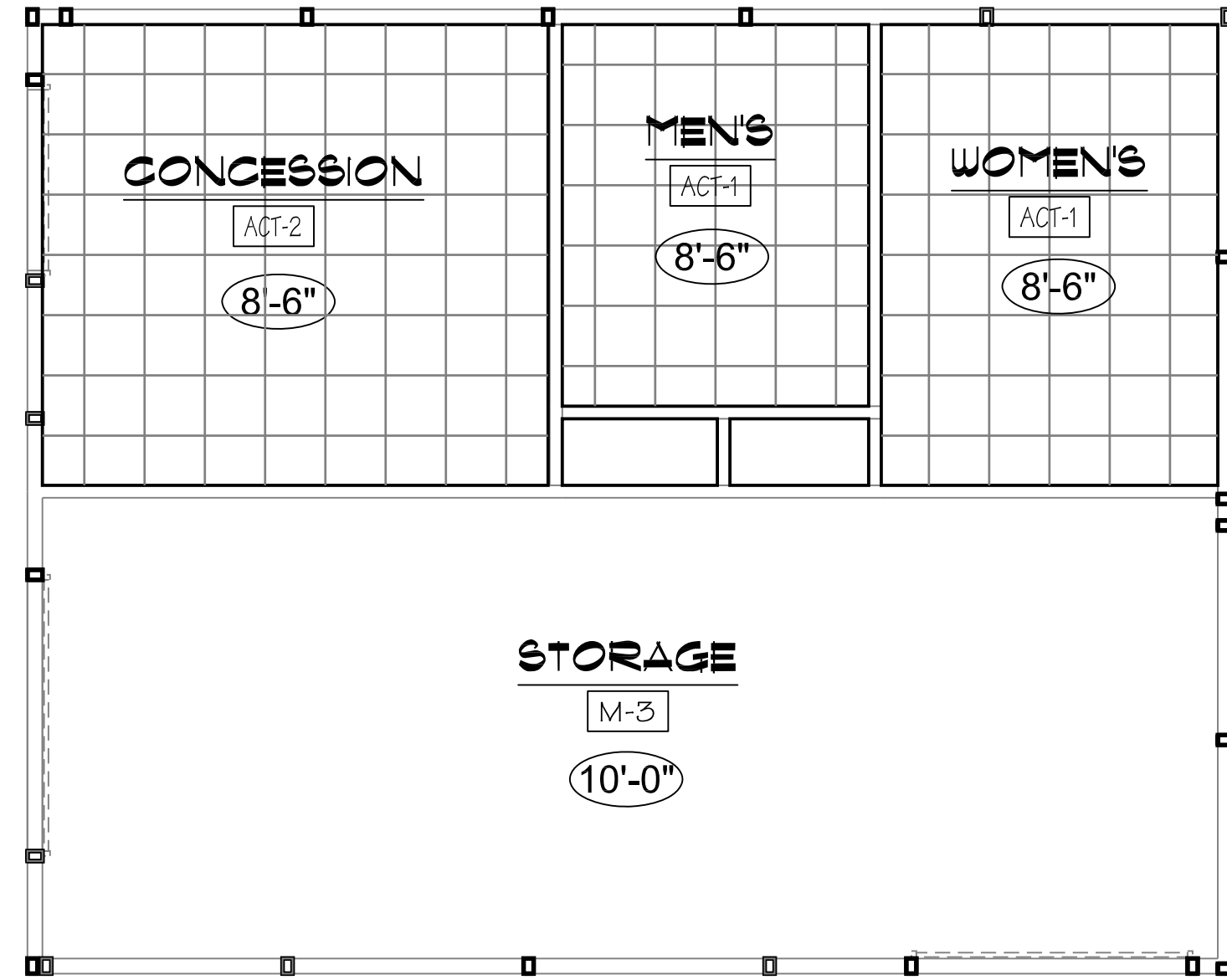
Project: Riverside Concessions Building  
Date: 09/20/2022  
Drawn: MM Checked: ---  
Scale: 1/4" = 1'-0"  
Sheet: **EXTERIOR ELEVATIONS**

# A3.1

- A -  
- B -  
- C -  
- D -  
- E -  
- F -  
- G -  
- H -



GENERAL NOTES:  
1. CEILING HEIGHTS TO BE COORDINATED W/ MECHANICAL SYSTEMS. ANY CEILING HEIGHT LESS THAN 8'-0" TO BE COORD. W/ ARCHITECT.



Client: Riverside Concessions / Storage Building  
Client: Riverside School District

Consultants:  
**DMG**  
design management group  
consulting engineers  
dmg.com

**CAM** architect  
C. Allen Mullins architect  
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606 North Main St., Wilkes-Barre, PA 18705  
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Seals:  
Professional Engineer Seal  
Professional Architect Seal  
9/20/2021

Revisions | Issues  
No:      Date:

Phase:  
**PERMIT SET**

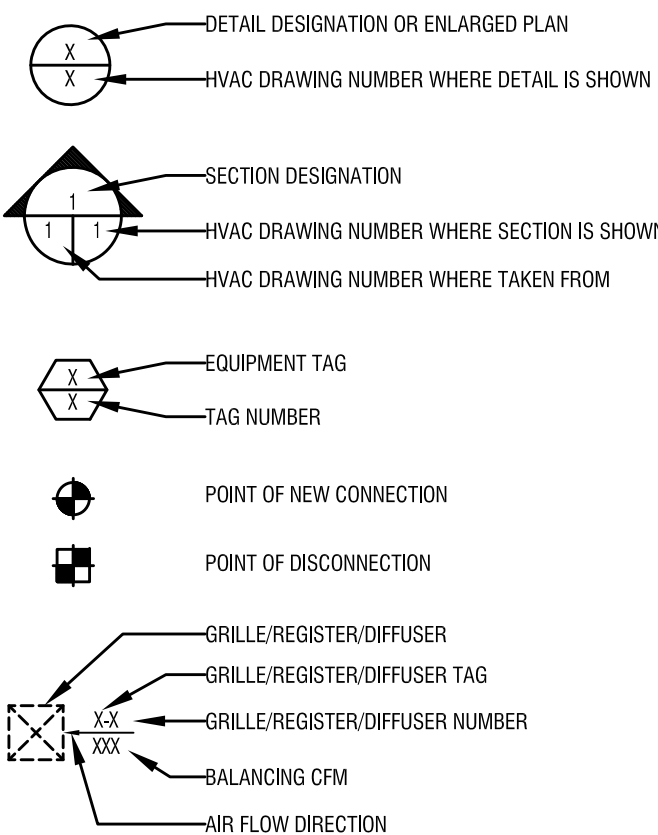
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Date: 09/20/2022  
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Scale: AS NOTED  
Sheet: CONSTRUCTION DETAILS

**A4.1**

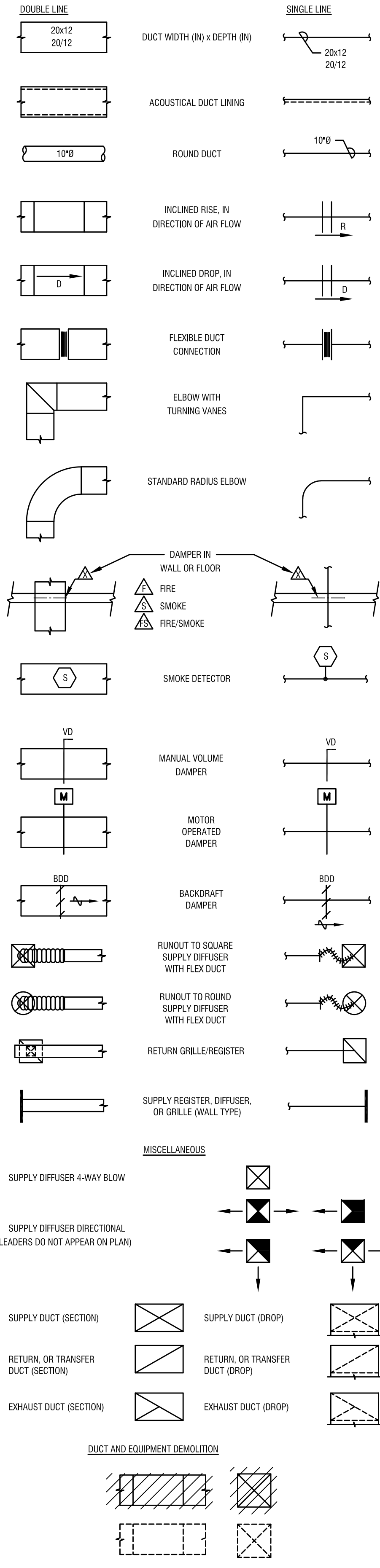
MECHANICAL ABBREVIATIONS

Table of mechanical abbreviations including AC (Alternating Current), ACC (Air Cooled Condenser), ADU (Air Conditioning Unit), and others, with their respective symbols and units.

DRAWING SYMBOLS



DUCTWORK SYMBOLS



GENERAL PIPING NOTES:

- 1. INSTALL PIPING TO ALLOW ACCESS VALVES, AIR VENTS, EQUIPMENT REQUIRING ACCESS, AND TO PROVIDE MAXIMUM HEADROOM.
2. PROVIDE OFFSETS TO MAINTAIN CEILING HEIGHT AND TO COORDINATE WITH OTHER TRADES.
3. INSTALL VALVES IN HORIZONTAL PIPING WITH VALVE STEMS AT OR ABOVE THE PIPE CENTERLINE.
4. ARRANGE PIPING FOR VENTING OF AIR AND DRAINAGE OF THE ENTIRE SYSTEM.
5. INSTALL CONDENSATE DRAIN PIPING PITCHED AT 1/8" PER FOOT IN DIRECTION OF FLOW.

GENERAL AUTOMATIC TEMPERATURE CONTROLS NOTES:

- 1. TRANSFORMERS OR FILTERS FOR OPERATION OF AUTOMATIC TEMPERATURE CONTROLS FROM BUILDING POWER CIRCUITS SHALL BE PROVIDED UNDER DIVISION 23.
2. WIRING LOWER THAN 110 VOLTS FOR INTERLOCKED DEVICES, DOC CONTROLLERS, TERMINAL CONTROL UNITS, FLOW MEASURING DEVICES, AND OTHER POWER CONSUMING CONTROL DEVICES SHALL BE FURNISHED AND INSTALLED UNDER DIVISION 23.
3. PROVIDE SUPPLEMENTAL STIFFENING AND SUPPORTS TO DUCTS AND APPARATUS CASINGS TO PREVENT DRUMMING, SAGGING AND TO PROVIDE A STRUCTURALLY SOUND ASSEMBLY.

ADDITIONAL MECHANICAL REQUIREMENTS:

- 1. DRAWINGS ARE SCHEMATIC IN NATURE INTENDED TO EXEMPLIFY CODE COMPLIANCE FOR THE PURPOSE OF OBTAINING A CONSTRUCTION PERMIT. THE CONTRACTOR SHALL ASSURE THE PROPER INSTALLATION AND OPERATION OF ALL ASSOCIATED SYSTEMS.
2. THE INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL CODES.
3. PROVIDE R-6 (INSTALLED VALUE) DUCTWORK INSULATION WITH VAPOR BARRIER IN INTERIOR SPACES.

GENERAL MECHANICAL NOTES:

- 1. CODES AND STANDARDS LISTED IN SPECIFICATIONS AND DRAWINGS ARE MINIMUM STANDARDS. WHERE REQUIREMENTS ON THE DRAWINGS OR SPECIFICATIONS EXCEED THE MINIMUM CODE REQUIREMENTS, THE DRAWINGS OR SPECIFICATIONS SHALL GOVERN.
2. THE POWER RATING OF MOTORS AND OTHER MECHANICAL EQUIPMENT AND THE ELECTRICAL CHARACTERISTICS OF ELECTRICAL SYSTEMS SERVING THEM HAVE BEEN ESTABLISHED AS MINIMUMS WHICH ALLOW THAT EQUIPMENT TO FUNCTION PROPERLY TO PROVIDE THE REQUIRED CAPACITIES. POWER RATINGS INCLUDE REASONABLE SAFETY FACTORS TO ACCOMMODATE COMMON DIFFERENCES BETWEEN DESIGN PARAMETERS AND FIELD CONSTRUCTION PRACTICES.
3. REASONABLE EFFORTS HAVE BEEN MADE TO COORDINATE ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH THE ELECTRICAL SYSTEMS SERVING THAT EQUIPMENT.

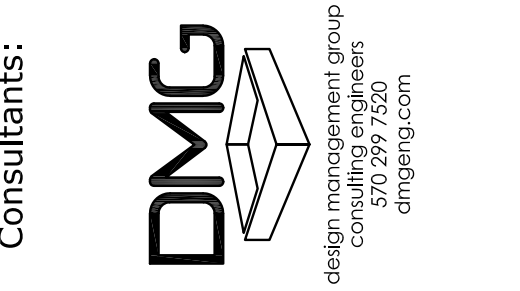
CONTROL SYMBOLS

Table of control symbols including Thermostat, CO2 Sensor, CO Sensor, Temperature Sensor, Emergency Boiler Shutoff, Duct or Pipe Mounted Temperature Sensor, Freeze Stat, Differential Pressure Sensor, Static Pressure Sensor, Smoke Detector, Motor Starter Contact, Control Relay, Motorized Actuator, Motorized Actuator W/ End Switch, Air Flow Sensor, Water Flow Sensor, Current Sensing Relay, Limit Switch, Transformer W/ Load Side Disconnect, Un Fused Disconnect, Fused Disconnect, Motor Starter, Combination Starter Disconnect, User Defined, and User Defined.

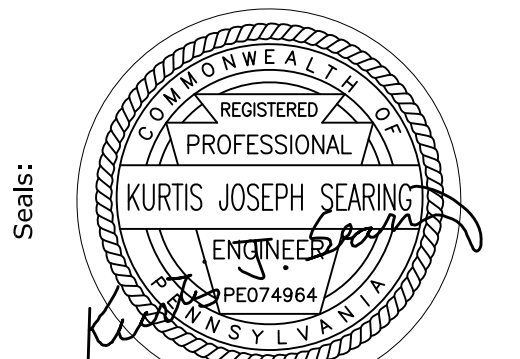
ALL INSTALLATIONS AND MATERIALS SHALL MEET THE FOLLOWING:

- 1. INTERNATIONAL BUILDING CODE; 2018
2. INTERNATIONAL FIRE CODE; 2018
3. INTERNATIONAL ENERGY CONSERVATION CODE; 2018
4. INTERNATIONAL MECHANICAL CODE; 2018
5. INTERNATIONAL FUEL GAS CODE; 2018
6. ALL FEDERAL, STATE AND LOCAL ORDINANCES

Client: TRACK CONCESSIONS BUILDING
Client: Riverside School District
300 Davis St.
Taylor, Pa 18517



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Revisions | Issues

Table for Revisions | Issues with columns for No., Date, and Description.

MECHANICAL COVER SHEET

M-1



GAS FIRED UNIT HEATER SCHEDULE														
TAG NO.	BASIS OF DESIGN		AREA SERVED	CFM	HP	AMPS	INPUT MBH	OUTPUT MBH	GAS CONNL. SIZE	VENT/COMBUSTION AIR SIZE	TYPE	WEIGHT	VOLTS/ PH/Hz	NOTES
	MANUFACTURER	MODEL												
GUH-1	REZTOR	UDZ-30	STORAGE	450	.06	1.9	30	24.6	1/2"	4"	SEE NOTES	60 LBS.	115/1/60	1,2,3

**NOTES:**

- TYPES:  
H=HORIZONTAL BLOW  
LP=PROPANE
- PROVIDE WITH PROPANE GAS VALVE.
- PROVIDE UNIT WITH THE FOLLOWING OPTIONS AND ACCESSORIES:  
-VERTICAL CONCENTRIC AIR/VENT KIT  
-THERMOSTAT  
-DISCONNECT SWITCH  
-CEILING SUSPENSION KIT

ELECTRICAL HEATER SCHEDULE												
TAG NO.	BASIS OF DESIGN		AREA SERVED	TYPE	MOUNTING	CFM	KW	AMP	VOLTS/ PH/Hz	THERMOSTAT	DIMENSIONS WxHxD (IN)	NOTES
	MANUFACTURER	MODEL										
EH-1A,B	MARLEY	CWH1101DSF	SEE PLAN	FAN-FORCED	WALL	100	.5	4.2	120/1	ON UNIT	10-5/8"x12-1/8"x1"	1,2
EH-2A,B	MARLEY	CWH3404F	SEE PLAN	FAN-FORCED	WALL	100	3.0	14.5	208/1	ON UNIT	15-3/4"x18-1/4"x3-3/4"	1,2
EH-3	MARLEY	CDF-548	CONCESSION	FAN-FORCED	CEILING	300	2.0	9.6	208/1	SEE NOTE	24"x8"x24"	1,3

**NOTES:**

- INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. COORDINATE INSTALLATION WITH ALL OTHER TRADES.
- PROVIDE COMPLETE WITH RECESSED MOUNTING FRAME, BUILT-IN THERMOSTAT AND DISCONNECT SWITCH.
- PROVIDE COMPLETE WITH CEILING RECESSED MOUNTING KIT, WALL MOUNTED THERMOSTAT, AND DISCONNECT SWITCH.

EXHAUST FAN SCHEDULE													
MARK	AREA SERVED	BASE OF DESIGN		FAN TYPE	DRIVE	CFM	ESP	RPM	MOTOR HP/W	VOLTAGE	ROOF/WALL OPENING (IN)	WEIGHT (LBS.)	NOTES
		MANUFACTURER	MODEL										
EF-1	SEE PLAN	GREENHECK	CSP-A410	INLINE	DIRECT	350	0.30	1000	119 W	115V/1Ø	18X6	50	1,2,3,4,5

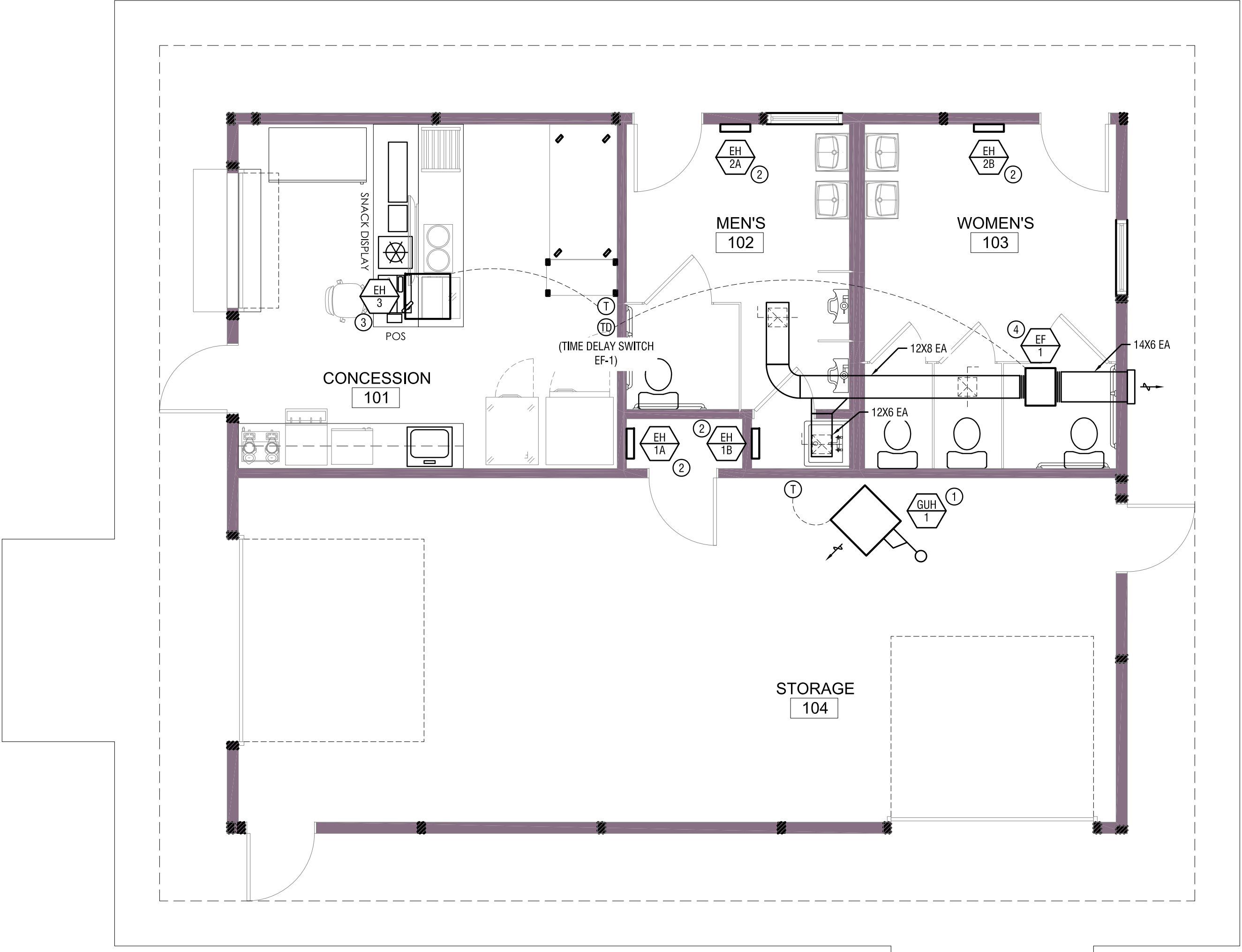
**NOTES:**

- INSTALL IN ACCORDANCE WITH MANUFACTURER WRITTEN INSTRUCTIONS. COORDINATE INSTALLATION WITH ALL TRADES.
- PROVIDE BACK DRAFT DAMPER AND SPRING HANGER KIT.
- PROVIDE ECM MOTOR WITH SPEED CONTROL DIAL AND STARTER CONTACTS/RELAY AND LOCAL DISCONNECT SWITCH.
- PROVIDE MANUFACTURER'S 18X6 WALL LOUVER DISCHARGE ACCESSORY. COORDINATE LOUVER COLOR WITH ARCHITECT PRIOR TO PURCHASE.
- FAN TO ENERGIZE WHEN EITHER RESTROOM OCCUPANCY SENSOR ACTIVATES. PROVIDE WITH MANUFACTURER'S TIME DELAY SWITCH AND MOUNT IN CONCESSION AREA.

DIFFUSER, GRILLE, AND REGISTER SCHEDULE										
MARK	CFM	BASE OF DESIGN		TYPE	THROW T150-T100-T50 (FT)	NECK SIZE (IN)	MODULE SIZE (IN)	MAX. NC LEVEL	MAX. SP LEVEL	NOTES
		MANUFACTURER	MODEL							
E-1	50-150	PRICE	80	EGG CRATE	NA	10X10	10X10	25	0.1	1,2,3,4

**NOTES:**

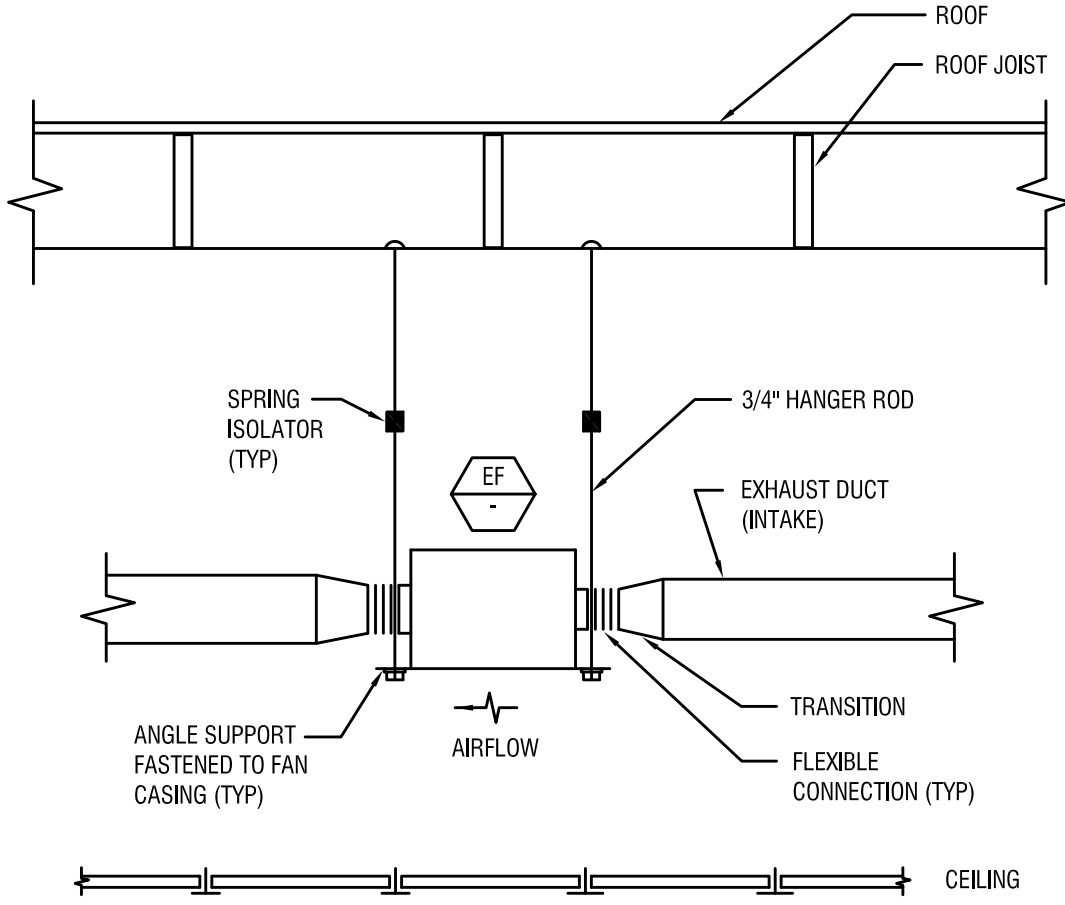
- INSTALL IN ACCORDANCE WITH MANUFACTURER WRITTEN INSTRUCTIONS. COORDINATE WITH ALL TRADES.
- PROVIDE WITH FACTORY INSTALLED OPPOSED BLADE DAMPER.
- COORDINATE MOUNTING HARDWARE WITH ARCHITECTURAL CEILING AND WALL FINISHES
- DUCT RUNNOUT SIZES SHALL MATCH DIFFUSER OR GRILLE CONNECTION DIMENSIONS UNLESS OTHERWISE NOTED.



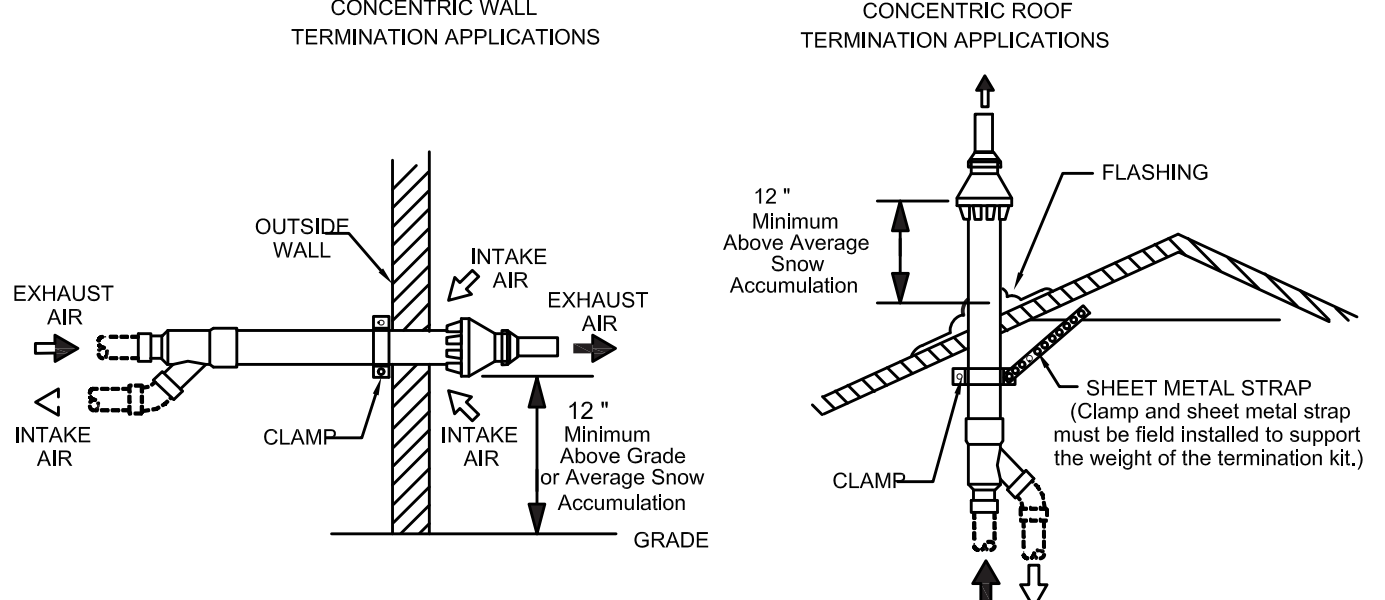
**1 MECHANICAL PLAN**  
SCALE: 1/4" = 1'-0"

**KEYED CONSTRUCTION NOTES**

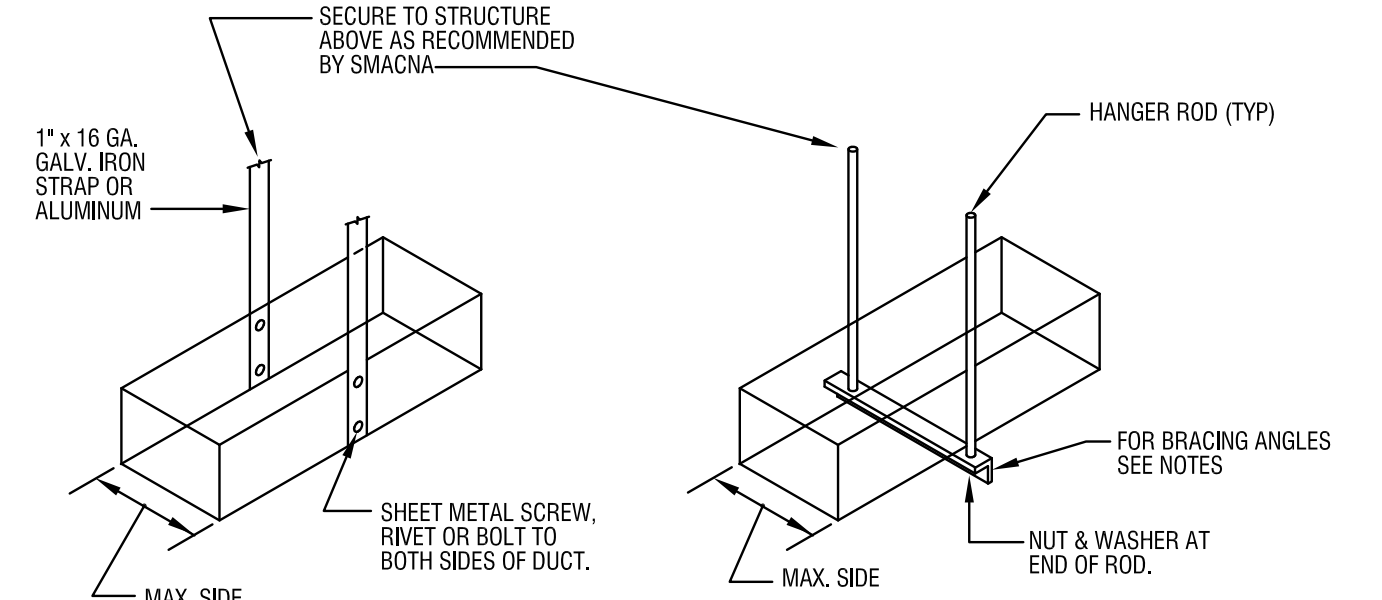
- GAS FIRED UNIT HEATER. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND SUSPEND FROM CEILING USING MOUNTING KIT ACCESSORY. ANGLE DISCHARGE LOUVERS DOWNWARD TOWARD FLOOR SPACE. PROVIDE WITH MANUFACTURER'S COMBUSTION CONCENTRIC VENTING KIT AND TERMINATE UP THROUGH ROOF. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND MAINTAIN CODE AND EQUIPMENT MANUFACTURER REQUIRED CLEARANCES FROM OUTSIDE AIR INTAKES.
- WALL MOUNTED FAN FORCED ELECTRIC HEATER. PROVIDE WITH UNIT MOUNT THERMOSTAT.
- CEILING MOUNTED RECESSED FAN FORCED ELECTRIC HEATER. PROVIDE WITH WALL MOUNTED THERMOSTAT.
- INLINE FAN SUSPENDED ABOVE CEILING. PROVIDE FLEXIBLE CONNECTIONS ON FAN INLET AND OUTLET. FAN TO BE SET TO RUN WHEN EITHER RESTROOM OCCUPANCY SENSOR ACTIVATES. PROVIDE WITH TIME DELAY SWITCH MOUNTED IN CONCESSION AREA.



**2 INLINE EXHAUST FAN DETAIL**  
SCALE: NTS



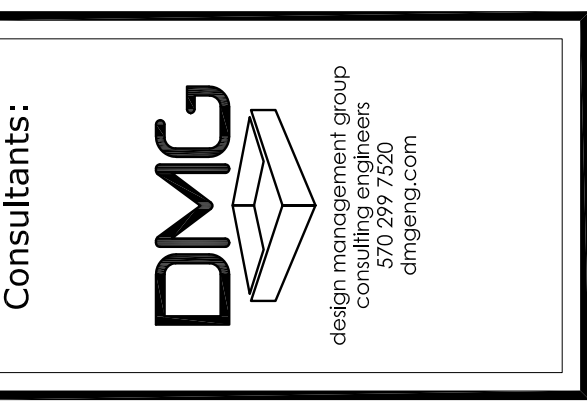
**3 CONCENTRIC INTAKE/FLUE DETAIL**  
SCALE: NTS



DUCT DIMENSION	HANGER TYPE	ROD DIA.	ANGLE SIZE	MAX SPACING
UP TO 18"	A	1" STRAP		8'-0"
19" TO 60"	B	5/16"	1-1/2" X 1-1/2" X 1/8"	8'-0"
61" TO 96"	C	3/8"	1-1/2" X 1-1/2" X 3/16"	8'-0"
OVER 96"	D	1/2"	2" X 2" X 1/4"	4'-0"

**4 DUCT HANGERS**  
SCALE: NTS

Client: **TRACK CONCESSIONS BUILDING**  
Client: Riverside School District  
300 Davis St.  
Taylor, Pa 18517



**CAM architect**

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REGISTERED PROFESSIONAL ARCHITECT  
PA 0074964

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Revisions | Issues  
No:      Date:

Phase: **PERMIT SET**

Project: Track Concessions Building  
Date: 09/20/2022  
Drawn: WG      Checked: RW  
Scale: AS NOTED  
Sheet:

**M-2**

MECHANICAL FLOOR PLAN, SCHEDULES, & DETAILS

GENERAL ABBREVIATIONS

Table listing various electrical and construction abbreviations such as [E] EXISTING, [F] FUTURE, GEN. GENERATOR, GFI. GROUND FAULT INTERRUPTER, etc.

GRAPHIC CONVENTIONS

Table showing graphic symbols for equipment tags, callouts, revision areas, and construction keynotes.

ELECTRICAL GENERAL NOTES

- 1. THE ENTIRE INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE ENFORCED REVISIONS OF THE BUILDING CODE, NFPA 70, NEMA, UL LISTINGS, MANUFACTURERS' RECOMMENDATIONS, THE NATIONAL BOARD OF UNDERWRITERS, STATE CODES, LOCAL CODES, AND ALL AUTHORITIES HAVING JURISDICTION.
2. GENERAL WORK PRACTICES FOR ELECTRICAL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NECA 1, GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION, PUBLISHED BY THE NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION...

LIGHTING

Table defining lighting symbols and notations: LPI-X, CEILING-MOUNTED LUMINAIRE, WALL-MOUNTED LUMINAIRE, POLE, BASE, ARM, AND SITE LIGHTING LUMINAIRE, etc.

SWITCHES

Table defining switch symbols and notations: S WALL OUTLET BOX AND SINGLE POLE SWITCH (20 AMP), S^3 WALL OUTLET BOX AND THREE-WAY SWITCH (20 AMP), etc.

WIRING DEVICES

Table defining wiring device symbols and notations: WALL OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE, TWO GANG WALL OUTLET BOX AND TWO 20 AMP DUPLEX RECEPTACLES, etc.

SYMBOLS LEGEND NOTE

NOT ALL SYMBOLS AND ABBREVIATIONS INDICATED ARE APPLICABLE TO THIS PROJECT. INDIVIDUAL DRAWINGS MAY DEFINE UNIQUE SYMBOLS FOR CONVENIENCE.

EQUIPMENT

Table defining equipment symbols and notations: 208/120V PANELBOARD, 480/277V BRANCH CIRCUIT PANELBOARD, UNFUSED DISCONNECT SWITCH, etc.

FIRE ALARM

Table defining fire alarm symbols and notations: F WALL-MOUNTED FLUSH MANUAL PULL STATION, AV WALL-MOUNTED AUDIO AND VISUAL ALARM WITH CANDELA RATING AS NOTED, etc.

TELECOMMUNICATIONS

Table defining telecommunications symbols and notations: COMBINATION TELE/DATA WALL OUTLET BOX WITH MINIMUM 1" CONDUIT TO ABOVE ACCESSIBLE FINISHED CEILING, etc.

RACEWAYS

Table defining raceway symbols and notations: HOMERUN TO PANEL, CONDUIT TURNING UP, CONDUIT TURNING DOWN, etc.

COORDINATION NOTE

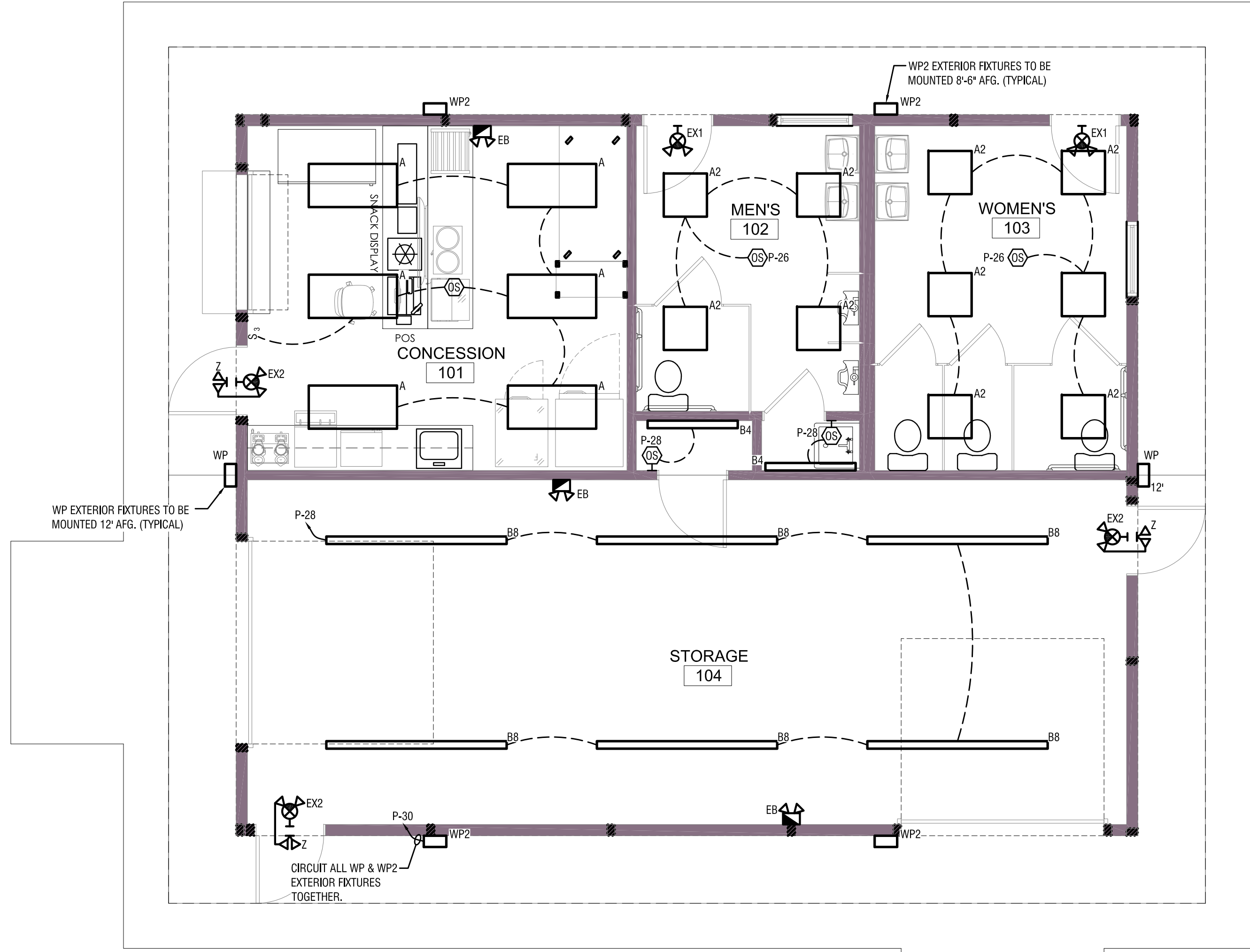
THE HVAC, PLUMBING, AND ELECTRICAL CONTRACTORS SHALL BE AWARE THAT THE CEILING HEIGHTS, SOFFITS AND SPACE CONDITIONS ON THIS PROJECT ARE CRITICAL AND SPACE ALLOCATION MUST BE COORDINATED BETWEEN ALL TRADES AND MAINTAINED.

TRACK CONCESSIONS BUILDING Client: Riverside School District 300 Davis St. Taylor, Pa 18517

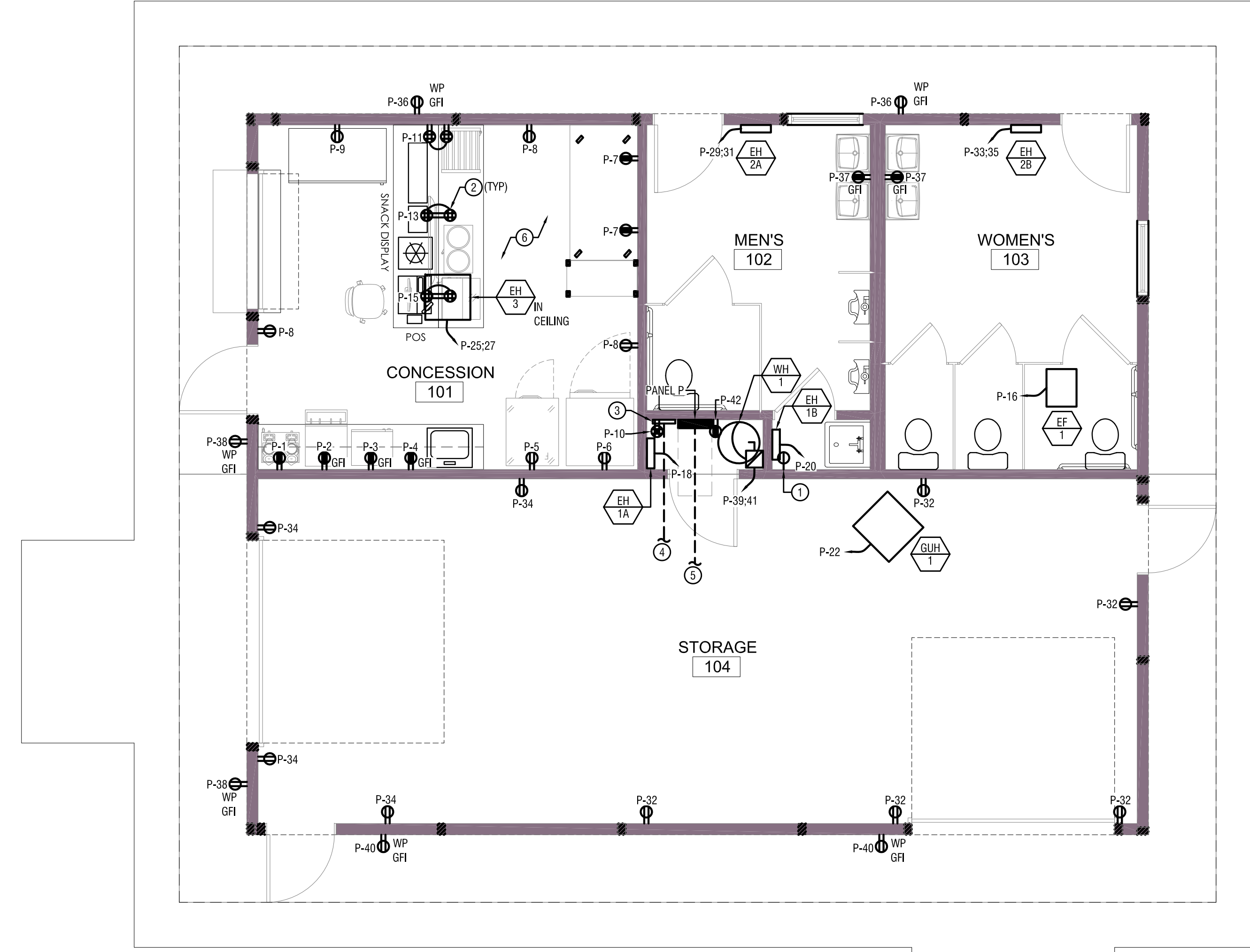
DMG design management group logo and contact information: 207 297 7520, dmging.com

CAM architect logo and contact information: C. Allen Mullins architect ARCHITECTS | PLANNERS, 606 North Ninth St., Williamsport, PA 17705

Revisions | Issues table with columns for No., Date, and description. Includes a permit set stamp and project details: Project: Track Concessions Building, Date: 09/20/2022, Scale: AS NOTED, Sheet: ELECTRICAL COVER SHEET E-1



1 ELECTRICAL LIGHTING PLAN  
E-2 SCALE: 1/4" = 1'-0"



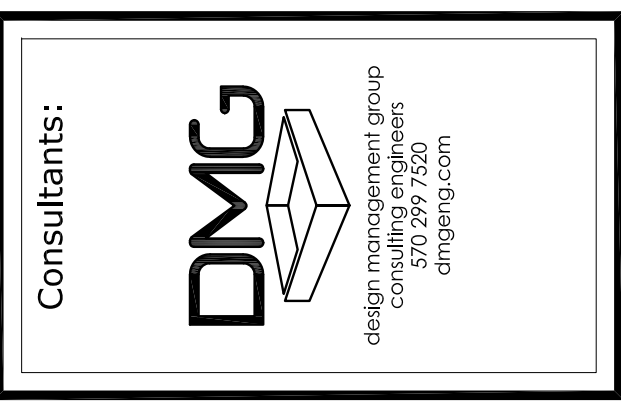
1 ELECTRICAL POWER PLAN  
E-2 SCALE: 1/4" = 1'-0"

BUILDING LIGHTING FIXTURE SCHEDULE					
TYPE	CATALOG No.	DESCRIPTION	LAMP	VOLTS	REMARKS
A	COLUMBIA LIGHTING OR EQUAL CFP24-5S/41/3440	2'x4' FLAT PANEL FIXTURE	50W LED	UNV	
A2	COLUMBIA LIGHTING OR EQUAL CFP22-40/33/2840	2'x2' FLAT PANEL FIXTURE	40W LED	UNV	
B4	COLUMBIA LIGHTING OR EQUAL MPS4-40ML-FW-E-U	4' LINEAR STRIP LIGHT	32W LED	UNV	
B8	COLUMBIA LIGHTING OR EQUAL MPS8-40HL-FW-ED-U-NXS	8' LINEAR STRIP LIGHT	83W LED	UNV	PROVIDE WITH OCCUPANCY SENSOR
EB	DUAL LITE OR EQUAL EV2	EMERGENCY BATTERY PACK WITH HEADS	(2) 1W LED	UNV	
EX1	DUAL LITE OR EQUAL EVCURW	EMERGENCY EXIT SIGN WITH HEADS	(2) 1W LED	UNV	
EX2	DUAL LITE OR EQUAL EVCURWD4	EMERGENCY EXIT SIGN WITH HEADS AND REMOTE CAPACITY	(2) 1W LED	UNV	
WP	LSI LIGHTING OR EQUAL XWS-LED-5L-FTW-LINV-DIM-40-80-PCI120-XX	SMALL WALL SCONCE	39W LED	UNV	PROVIDE WITH PHOTOCELL
WP2	LSI LIGHTING OR EQUAL XWS-LED-6L-FTW-LINV-DIM-40-80-PCI120-XX	SMALL WALL SCONCE	52W LED	UNV	PROVIDE WITH PHOTOCELL
Z	DUAL LITE OR EQUAL EVO	EXTERIOR DUAL REMOTE HEADS	(2) 1W LED	UNV	
OS	HUBBELL CONTROL SOLUTIONS CAT. No. OWINDT200BP1277	LINE VOLTAGE, DUAL TECH, OCCUPANCY & VACANCY CEILING MOUNTED SENSOR	NA	UNV	
HS	HUBBELL CONTROL SOLUTIONS CAT. No. LHMTS1-X	LINE VOLTAGE, DUAL TECH, OCCUPANCY & VACANCY WALL MOUNTED SENSOR	NA	UNV	

NOTES:  
 1. COORDINATE FINAL FIXTURE SELECTIONS, COLOR TEMPERATURE, AND FINISHES WITH ARCHITECT AND OWNER.  
 2. PROVIDE ALL REQUIRED POWER PACKS AND MOUNTING DEVICES FOR OCCUPANCY SENSORS. INCLUDE ALL MOUNTING, DRIVERS, FILTERS, POWER PACKS, AND OTHER SUPPORTING PARTS FOR A COMPLETE AND WORKING SYSTEM.  
 3. LOCATION OF ALL OCCUPANCY SENSORS IS APPROXIMATE. REVIEW MANUFACTURER'S WRITTEN INSTRUCTIONS BEFORE INSTALLING.  
 4. TO PREVENT FALSE ACTIVATION, MOUNT ULTRASONIC CEILING-MOUNT SENSORS AT LEAST SIX FEET AWAY FROM DIFFUSERS.

- KEYED CONSTRUCTION NOTES**
- RECEPTACLE FOR DOMESTIC WATER HEAT TRACE. COORDINATE FINAL LOCATION WITH P.C. PRIOR TO ROUGH-IN.
  - RECEPTACLES IN MILLWORK. COORDINATE FINAL LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
  - PROVIDE 24"x24"x3/4" PLYWOOD BACKBOARD FOR COMMUNICATION.
  - UNDERGROUND COMMUNICATION CONDUIT FROM SITE TO BACKBOARD. SEE DRAWING E-3 FOR CONTINUATION.
  - UNDERGROUND CPOWER CONDUIT FROM SITE TO PANELBOARD. SEE DRAWING E-3 FOR CONTINUATION.
  - COORDINATE ALL RECEPTACLE LOCATIONS AND HEIGHT WITH OWNER AND KITCHEN EQUIPMENT VENDOR PRIOR TO ROUGH-IN.

Client: **TRACK CONCESSIONS BUILDING**  
 Client: Riverside School District  
 300 Davis St.  
 Taylor, Pa 18517



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Seals:

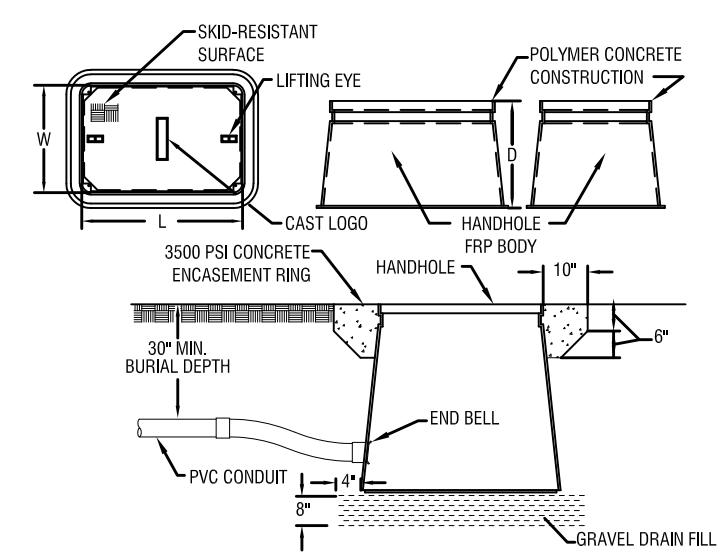
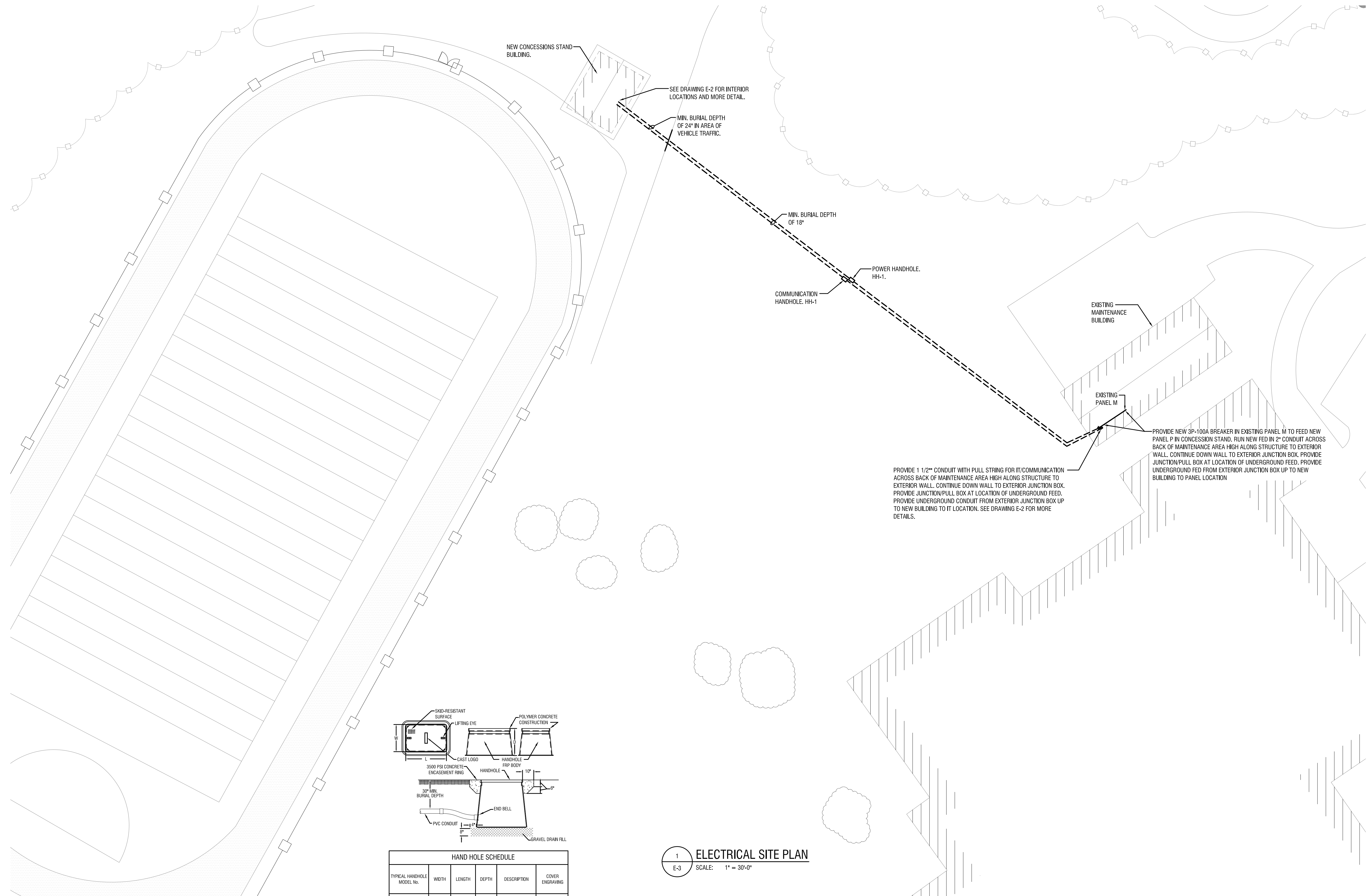
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 No: Date:

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**PERMIT SET**

Project: Track Concessions Building  
 Date: 09/20/2022  
 Drawn: DP Checked: KS  
 Scale: AS NOTED  
 Sheet:

ELECTRICAL LIGHTING & POWER PLANS  
**E-2**



HAND HOLE SCHEDULE					
TYPICAL HANDHOLE MODEL NO.	WIDTH	LENGTH	DEPTH	DESCRIPTION	COVER ENGRAVING
HH-1	12"	12"	30"	PULL BOX FOR SITE CABLING	POWER OR COMM.

- NOTES:
1. TYPICAL HANDHOLE IS 12" X 12" X 30" QUARTZITE BOX WITH OPEN OR SOLID BOTTOM. COVER SHALL BE TIB 8 TRAFFIC RATED. ALL HANDHOLES SHALL BE UL LISTED AND BE SUITABLE FOR TRUCK LOADING.
  2. ALL HANDHOLES SHALL BE INSTALLED AT DEPTH TO SIT FLUSH WITH FINAL GRADE. DEPTH TO VARY AS REQUIRED. MINIMUM SIZE HANDHOLES ARE SHOWN. PROVIDE LARGER BOXES AS REQUIRED.
  3. ALL HANDHOLES SHALL BE GASKETED. PRECAST POLYMER CONCRETE SPLICE BOXES SUITABLE FOR POWER AND CONTROL WIRING. PROVIDE ALL HANDHOLES WITH BASES AND STAINLESS STEEL HEX BOLTS.

1 ELECTRICAL SITE PLAN  
E-3 SCALE: 1" = 30'-0"

2 TYPICAL HANDHOLE DETAIL  
E-3 SCALE: NOT TO SCALE

Client: **TRACK CONCESSIONS BUILDING**  
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 300 Davis St.  
 Taylor, Pa 18517

Consultants:

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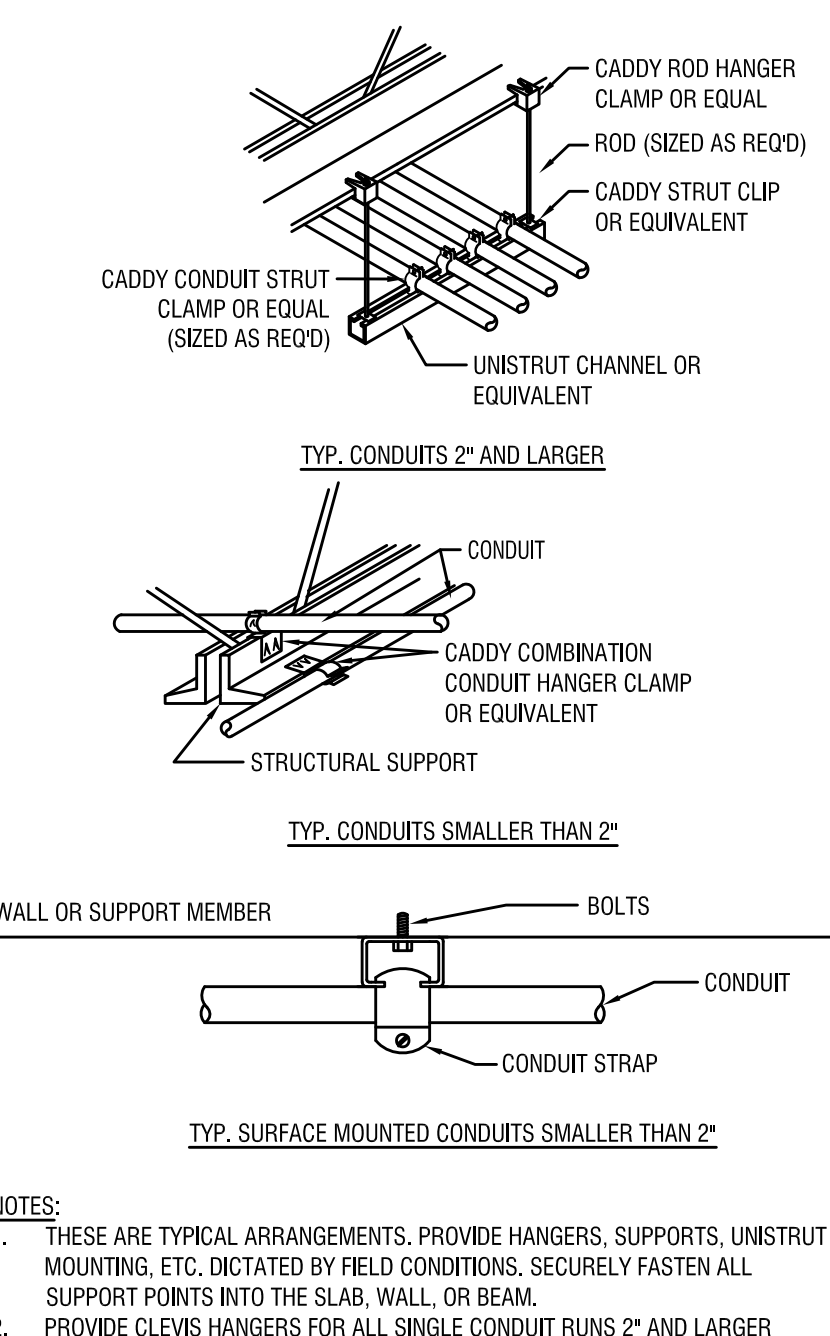
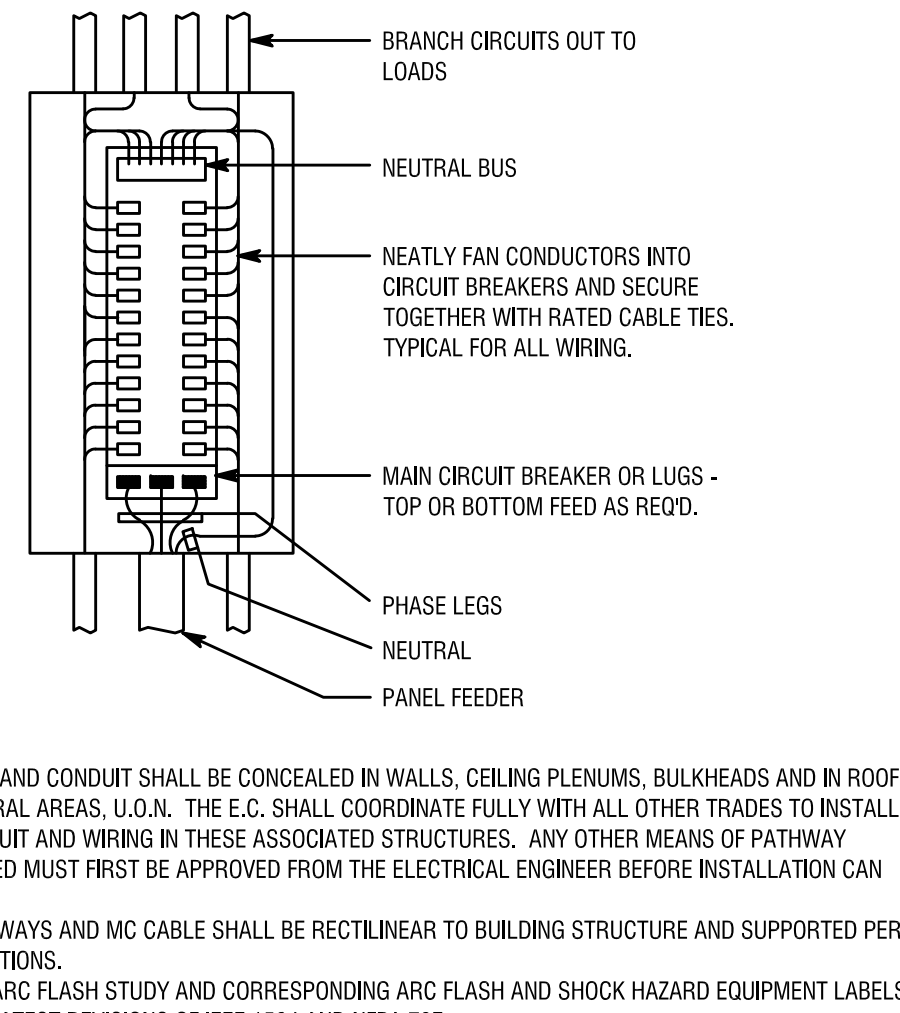
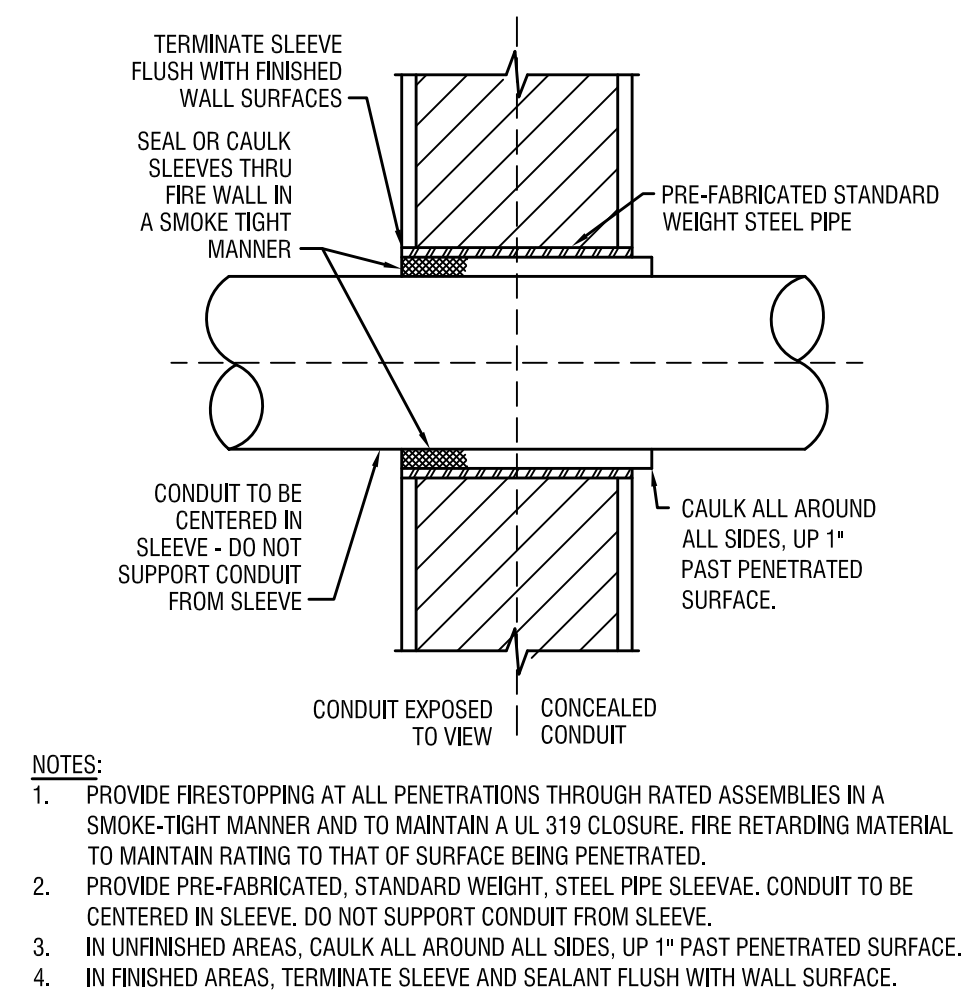
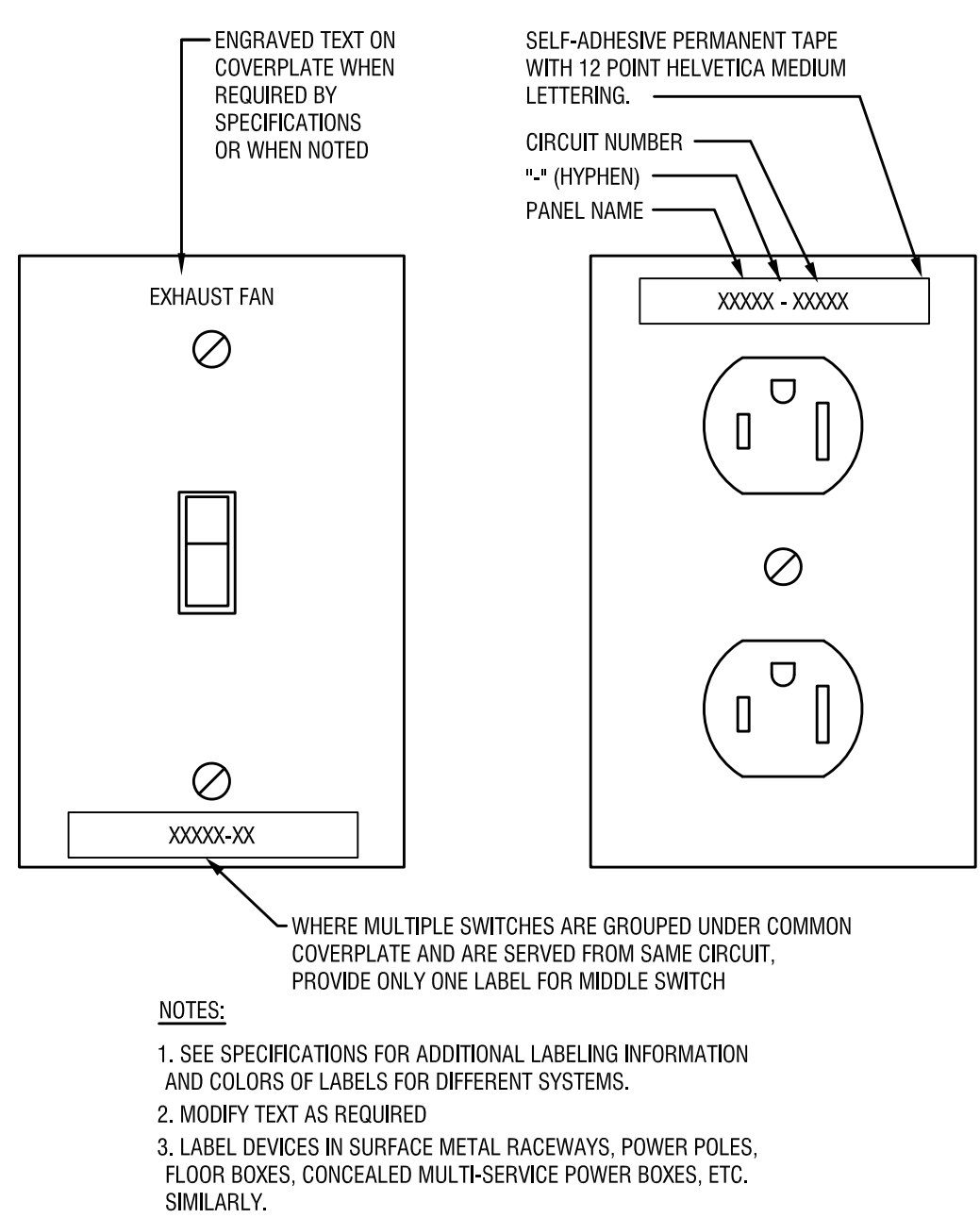
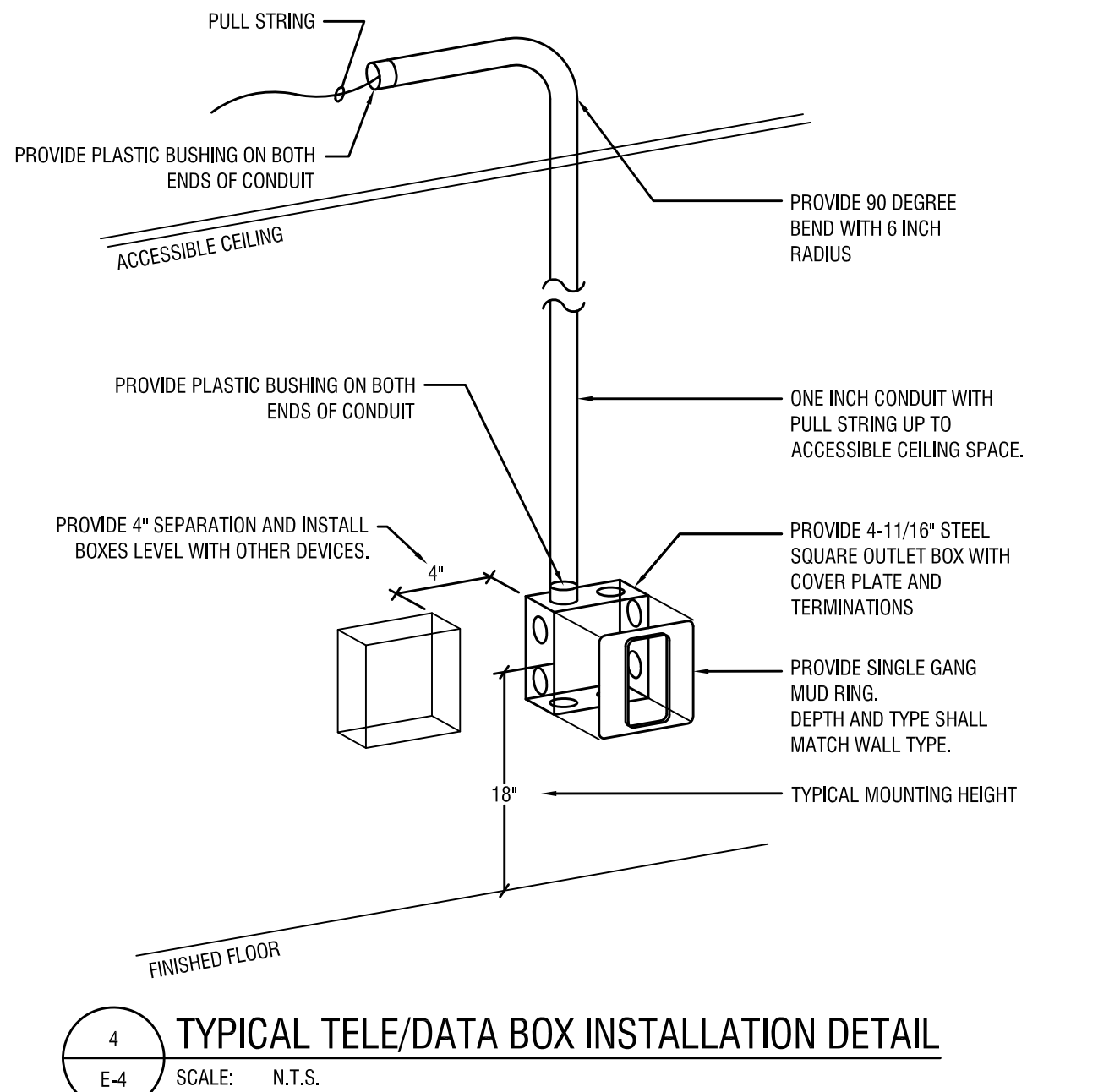
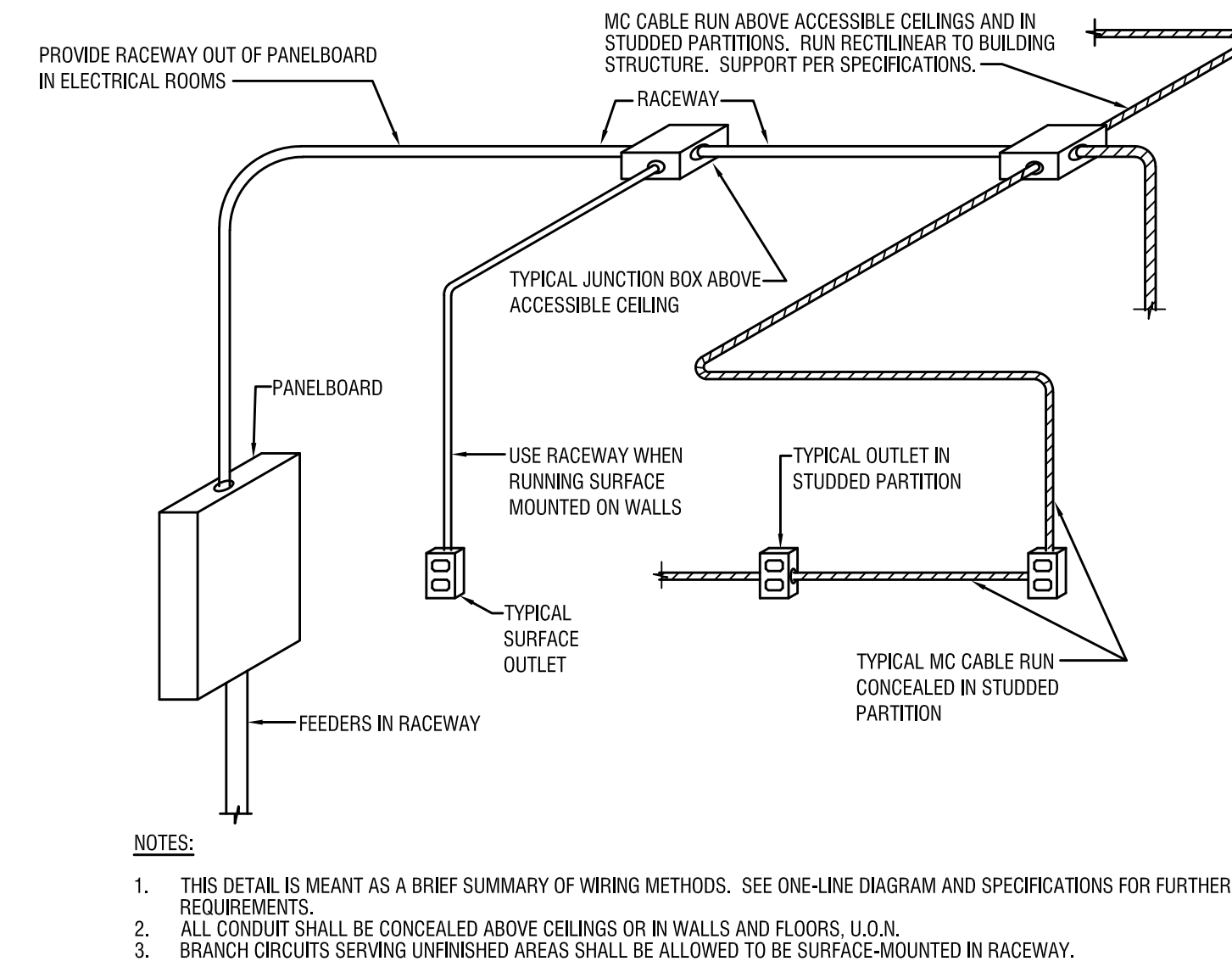
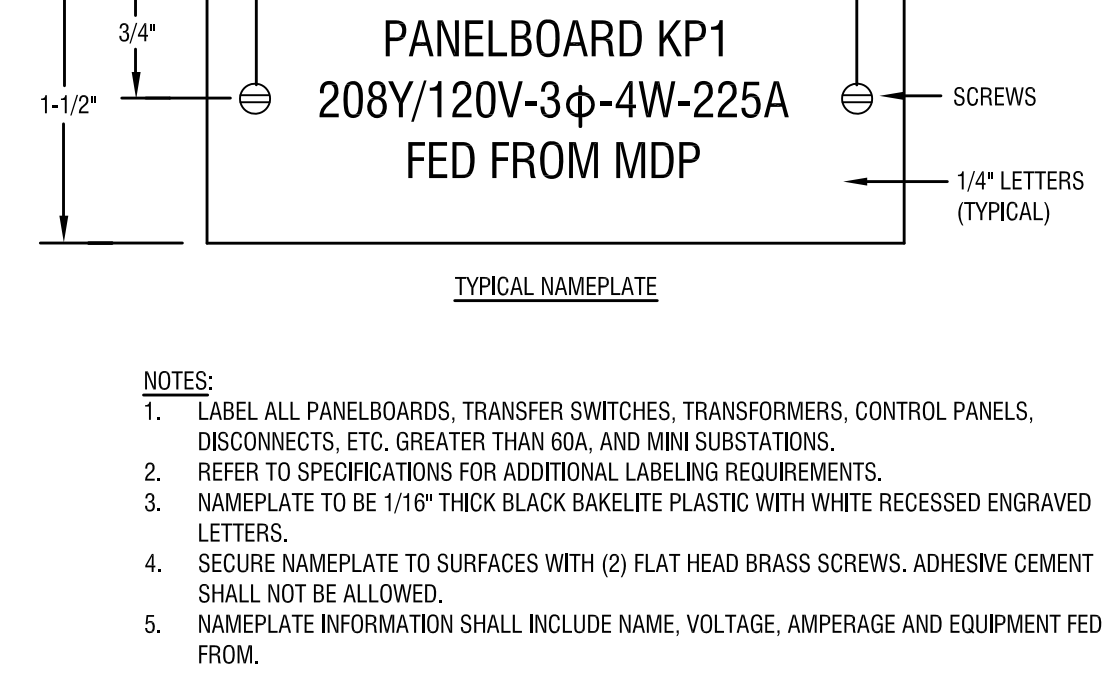
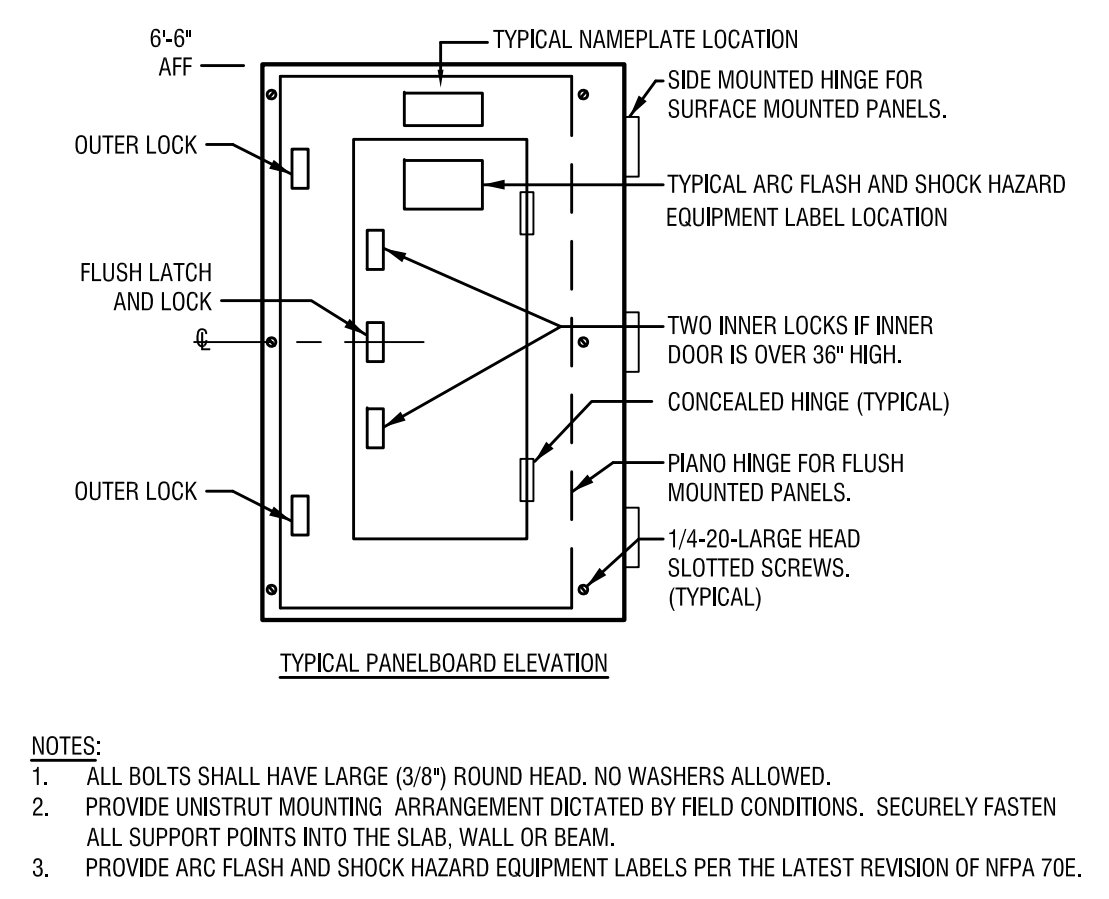
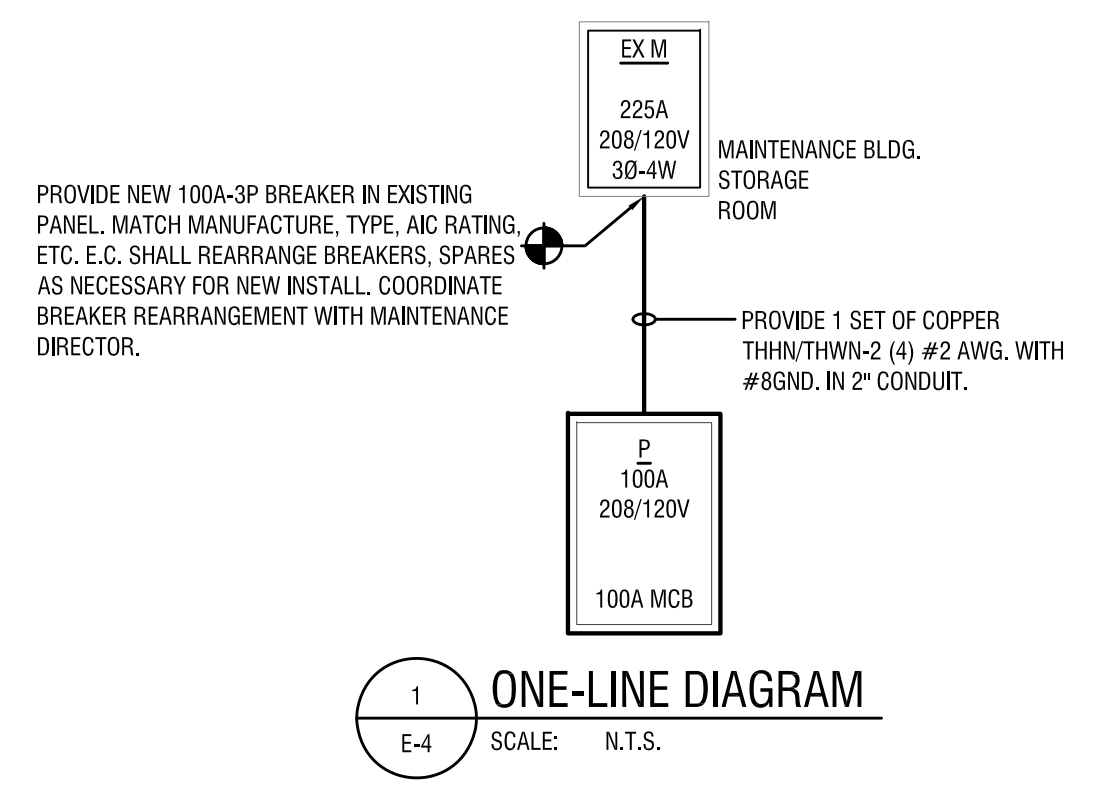
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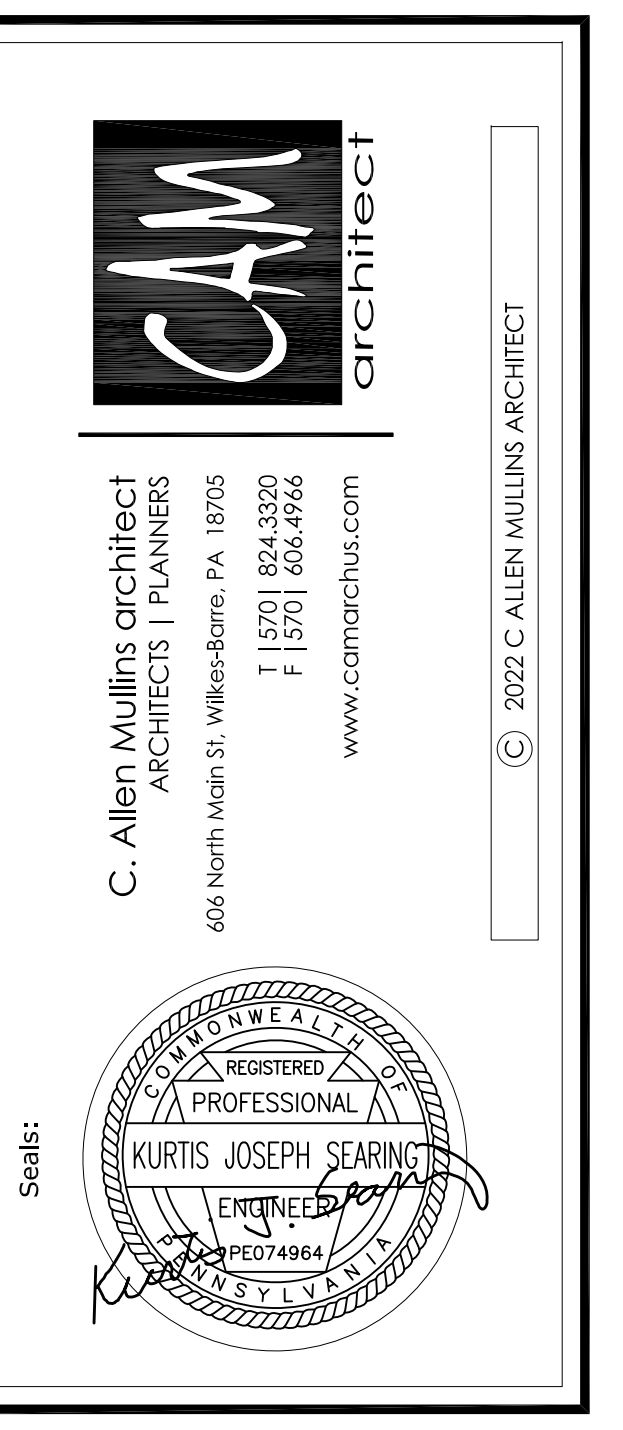
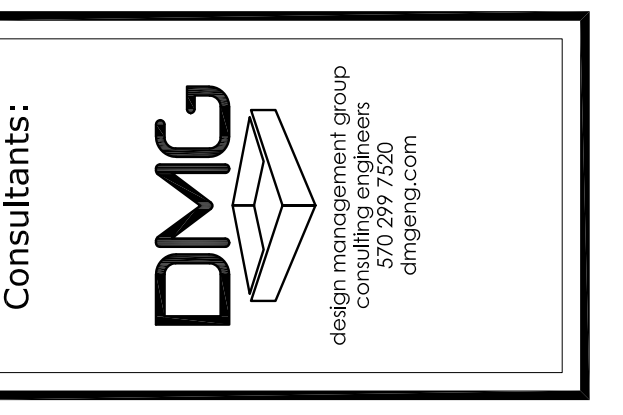
ELECTRICAL SITE PLAN  
**E-3**

- A -  
- B -  
- C -  
- D -  
- E -  
- F -  
- G -  
- H -

NEW PANELBOARD SCHEDULE																			
DESIGNATION:		MAINS:		100A		VOLTAGE:		208/120V-3Ø-4W		LOCATION:		SEE FLOOR PLAN		SINGLE:					
P		TYPE:		1		MIN. AIC RATING:		22,000		SUPPLY:		EXISTING PANEL M		DOUBLE:					
CKT	PCLE	TRIP	WIRE	GND	C	LOAD	KVA Ø A	KVA Ø B	KVA Ø C	LOAD	C	GND	WIRE	TRIP	POLE	CKT			
1	1	20	12	12	**	COFFEE	1.20	0.18						**	12	12	20	1	2
3	1	20	12	12	**	COUNTER RECEPTACLE			0.18	0.18				**	12	12	20	1	4
5	1	20	12	12	**	FREEZER				1.50	1.20			**	12	12	20	1	6
7	1	20	12	12	**	RECEPTACLES	0.36	0.54						**	12	12	20	1	8
9	1	20	12	12	**	DRINK MERCH.			1.00	0.36				**	12	12	20	1	10
11	1	20	12	12	**	UNDERCOUNTER RECEPTACLES				0.72				**	12	12	20	1	12
13	1	20	12	12	**	UNDERCOUNTER RECEPTACLES	0.72							**	12	12	20	1	14
15	1	20	12	12	**	UNDERCOUNTER RECEPTACLES			0.72	0.25				**	12	12	20	1	16
17	1	20				SPARE				0.50				**	12	12	20	1	18
19	1	20				SPARE				0.50				**	12	12	20	1	20
21	2	20				SPARE				0.20				**	12	12	20	1	22
23	/										0.25			**	12	12	20	1	24
25	2	20	12	12	**	EH-3	1.00	0.70						**	12	12	20	1	26
27	/								11.00	0.60				**	12	12	20	1	28
29	2	20	12	12	**	EW-2A			1.50	0.30				**	12	12	20	1	30
31	/								1.50					**	12	12	20	1	32
33	2	20	12	12	**	EW-2B			1.50					**	12	12	20	1	34
35	/								1.50	0.36				**	12	12	20	1	36
37	1	20	12	12	**	RESTROOM RECEPTACLES	0.36	0.36						**	12	12	20	1	38
39	2	30	10	10	**	WH-1			2.00	0.36				**	12	12	20	1	40
41	/										2.00	0.18		**	12	12	20	1	42
							TOTAL/PHASE	7.42	18.35	10.01									
							CONNECTED LOAD				35.78	(kVA)							
							DEMAND LOAD @ 0.80				28.62	(kVA)							
							DEMAND				79.45	(A)							



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ELECTRICAL ONE-LINE DETAILS & PANELBOARD SCHEDULE  
**E-4**

PLUMBING ABBREVIATIONS

Table of plumbing abbreviations including symbols and descriptions for items like ABOVE CEILING, FLOOR CLEANOUT, and various pipe types.

PLUMBING GENERAL NOTES

GENERAL PLUMBING NOTES:

- 1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF WORK TO BE PERFORMED...
3. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL CONDITIONS AND DIMENSIONS AND FOR COORDINATION OF THEIR WORK WITH THAT OF ALL OTHER TRADES...

COORDINATION REQUIREMENTS

- 1. COORDINATE LOCATIONS AND INSTALLATION OF PLUMBING WORK WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES...
2. COORDINATE FINAL LOCATIONS OF PLUMBING EQUIPMENT WITH ARCHITECTURAL PLANS.
3. PROVIDE TO THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR AND ALL OTHER TRADES DIMENSIONED LOCATIONS AND SIZES OF ALL REQUIRED FLOOR, WALL AND ROOF OPENINGS...

PLUMBING INSTALLATION REQUIREMENTS:

- 1. INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER PRINTED INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS...
2. ALL INSTALLATION AND WORK SHALL BE PERFORMED IN A NEAT, WORKMANLIKE MANNER...
3. ALL EQUIPMENT AND PIPING SHALL BE SUPPORTED IN AN APPROVED MANNER...
4. PROVIDE PIPE ESCUTCHEONS AT ALL EXPOSED PENETRATIONS OF FLOORS, WALLS AND CEILINGS...

PIPING MATERIALS:

- 1. REFER TO IPC 2015 FOR ALL APPLICABLE ASTM NUMBER/REQUIREMENTS AS WELL AS PIPING SUPPORT REQUIREMENTS...
2. ABOVE GROUND DOMESTIC WATER MAY BE TYPE L COPPER WITH SOLDERED JOINTS AND FITTINGS...
3. UNDERGROUND DOMESTIC WATER SHALL BE DUCTILE IRON, TYPE K COPPER WITH SOLDERED JOINTS AND FITTINGS...

COORDINATION NOTE
THE HVAC, PLUMBING, AND ELECTRICAL CONTRACTORS SHALL BE AWARE THAT THE CEILING HEIGHTS, SOFFITS AND SPACE CONDITIONS ON THIS PROJECT ARE CRITICAL AND SPACE ALLOCATION MUST BE COORDINATED BETWEEN ALL TRADES AND MAINTAINED...

GRAPHIC CONVENTIONS table showing symbols for equipment tags, callouts, revision areas, and connection points.

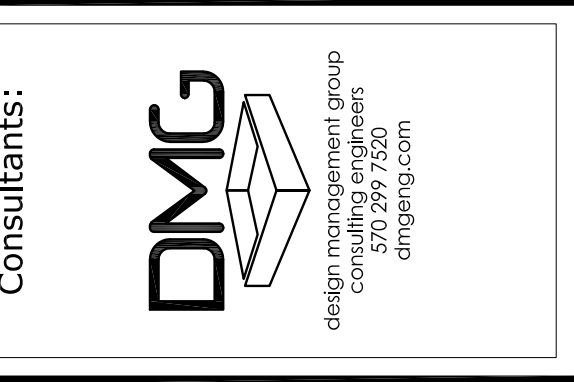
PLUMBING LEGEND

NOT ALL SYMBOLS ARE USED ON DRAWINGS

Plumbing legend table listing symbols for various pipe types (CW, HW, RWC, ST, TPL, etc.) and valves (Ball Valve, Gate Valve, etc.).

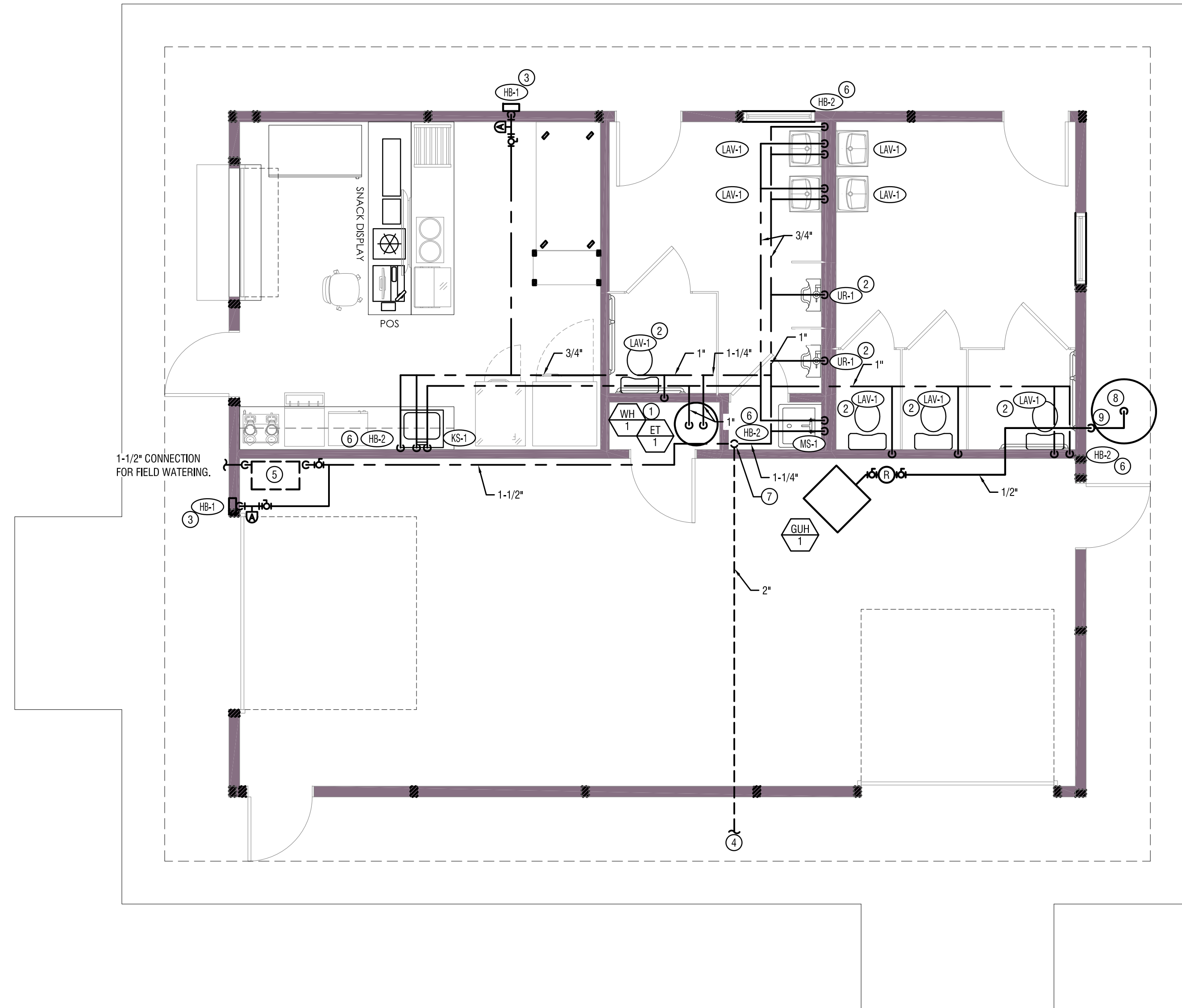
Plumbing legend table listing symbols for valves and fittings (Relief Valve, Thermometer, Union, Tee Outlet Drop, etc.).

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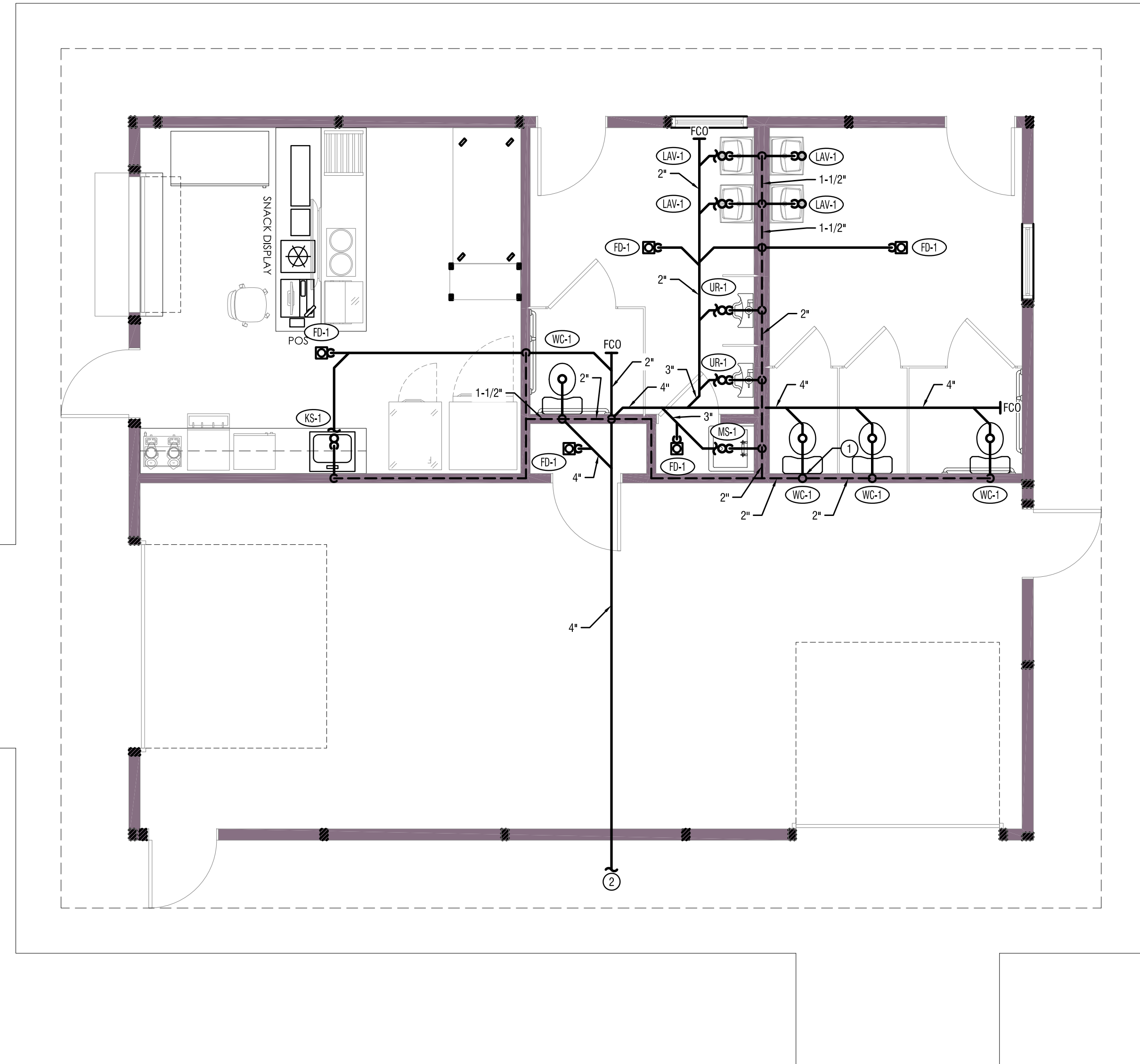


Professional seal for C. Allen Mullins architect ARCHITECTS & PLANNERS, including contact information and a circular seal for Kurtis Joseph Searing.

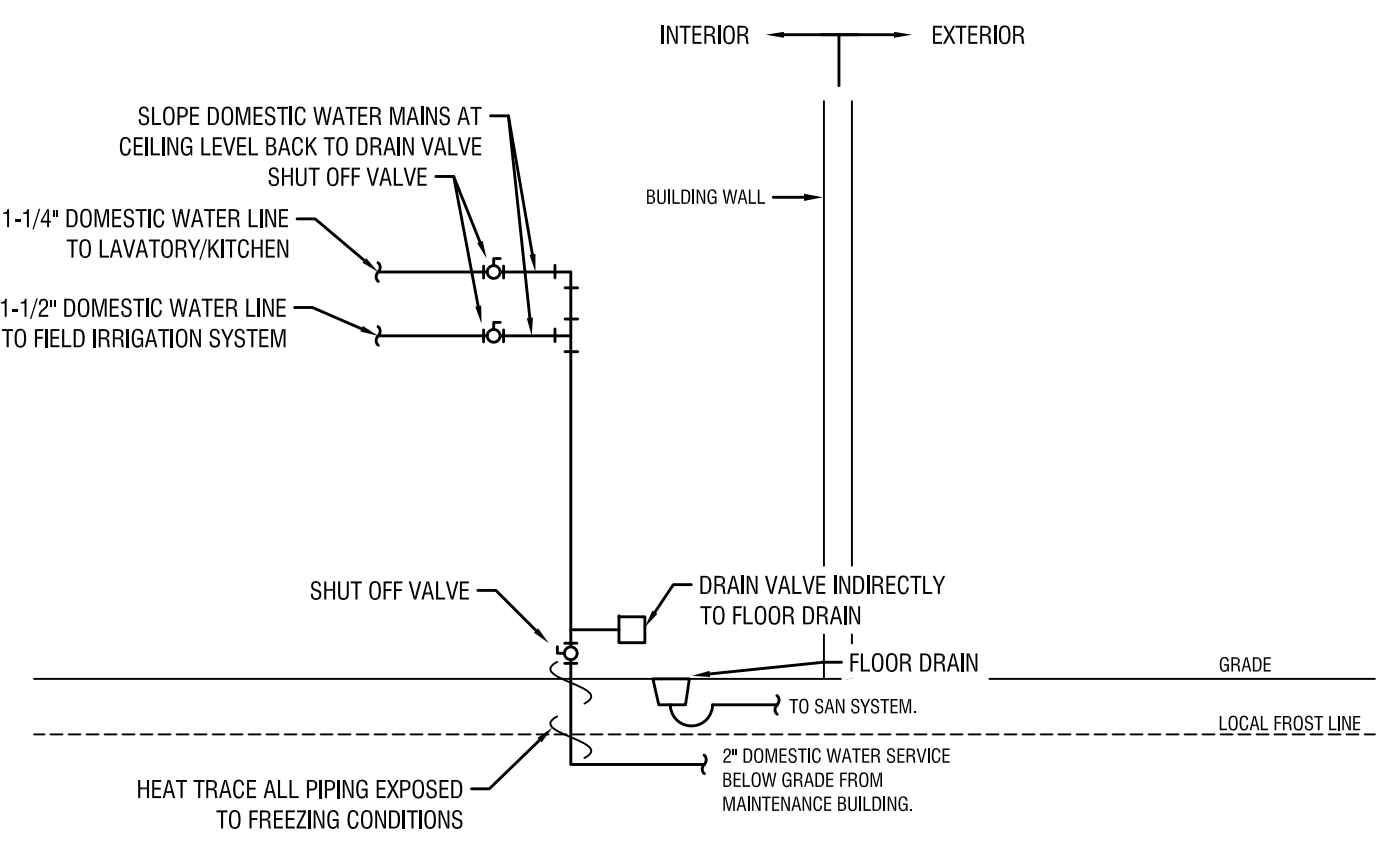
Revisions | Issues section with a table for tracking changes and a permit set stamp for the Track Concessions Building project.



1 PLUMBING PLAN - WATER  
P-2 SCALE: 1/4" = 1'-0"



2 PLUMBING PLAN - WASTE & VENT  
P-2 SCALE: 1/4" = 1'-0"



3 DOMESTIC WATER RISER INTO SPACE  
P-2 SCALE: NOT TO SCALE

**GENERAL NOTES**

1. PROVIDE HEAT TRACE ON ALL PIPING EXPOSED TO FREEZING CONDITIONS.
2. ALL PIPING INSTALLED WITHIN AREAS SUBJECT TO FREEZING SHALL BE PROTECTED WITH HEAT TRACE SYSTEM. CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE HEAT TRACE SYSTEM OF HEATING CABLES, COMPONENTS, AND CONTROLS ON ALL PIPING EXPOSED TO UNHEATED AREAS TO PREVENT FREEZING. THE HEATING CABLE SHALL OPERATE ON LINE VOLTAGES OF 120 VOLTS WITHOUT THE USE OF TRANSFORMERS AND OUTPUT 5.0 W/FT. CONTRACTOR TO VERIFY LINE VOLTAGE IN FIELD. THE HEATING CABLE AND COMPONENTS SHALL BE BOX SELF REGULATING HEATING CABLE AS MANUFACTURED BY THERMON OR APPROVED EQUAL.
3. COLD WATER PIPING EXPOSED ABOVE GRADE SHALL BE INSULATED IN ACCORDANCE WITH PLUMBING FIXTURE INSULATION SCHEDULE.
4. COORDINATE HEAT TRACE ELECTRICAL REQUIREMENTS WITH EC PRIOR TO CONSTRUCTION.

**KEYED CONSTRUCTION NOTES**

1. CONNECT CW INLET AND HW OUTLET PIPING TO WH AND MIXING VALVE. PROVIDE EXPANSION TANK. PROVIDE MATERIALS, HOUSE KEEPING PAD, AND SIZE LINES AS INDICATED WITHIN THE MANUFACTURER'S WRITTEN INSTRUCTIONS. ROUTE DRAIN LINE DOWN TO NEAREST FLOOR DRAIN. PROVIDE PROPER AIR GAP. SEE SCHEDULE FOR MORE INFORMATION. SLOPE DOMESTIC HOT WATER LINES BACK TO WATER HEATER FOR WINTERIZATION.
2. PROVIDE WATER HAMMER (A) PRIOR TO CONNECTION TO WATER CLOSET/URNAL. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTION. SEE SCHEDULE FOR MORE INFORMATION.
3. NON-FREEZE HOSE BIB. COORDINATE WITH ACTUAL WALL DIMENSIONS PRIOR TO ORDERING. PLACE HYDRANTS AS REQUIRED TO ALLOW CLEARANCE FOR COLD WATER CONNECTIONS AT REAR OF ASSEMBLY. PROVIDE SHOCK ABSORBER AND BALL VALVE.
4. APPROXIMATE LOCATION OF DOMESTIC WATER LINE INTO BUILDING BELOW GRADE. UNDER SLAB PIPING SHALL BE TYPE K COPPER. PROVIDE ADEQUATE COVER OVER INVERT OF PIPING BELOW LOCAL FROST LINE TO PREVENT FROM FREEZING. SEE P-3 FOR DOMESTIC WATER CONTINUATION.
5. APPROXIMATE LOCATION OF 1-1/2" DOMESTIC WATER LINE DOWN TO FUTURE FIELD IRRIGATION PUMP EQUIPMENT. PROVIDE SHUT OFF VALVE AND BACKFLOW PREVENTOR ON DROP. PROVIDE 1-1/2" THREADED CONNECTION FOR FIELD WATERING SYSTEM HOSE. INSTALL PER IRRIGATION EQUIPMENT MANUFACTURER'S WRITTEN INSTRUCTION.
6. SLOPE DOMESTIC COLD WATER LINES TOWARDS HB-2. HB-2 TO BE LOW ON WALL TO ALLOW FOR DOMESTIC COLD WATER LINES TO DRAIN SYSTEM FOR WINTERIZATION. COORDINATE HB-2 HEIGHT ON WALL WITH BUILDING OWNER AND P.C. PRIOR TO CONSTRUCTION.
7. APPROXIMATE LOCATION OF DOMESTIC COLD WATER RISE UP FROM BELOW GRADE TO CEILING LEVEL HEIGHT. PROVIDE SHUT OFF VALVE ON RISE. PROVIDE MAIN SHUT OFF VALVE AND DRAIN VALVE ON VERTICAL RISE. ROUTE OUTLET OF DRAIN VALVE TO NEARBY FLOOR DRAIN. PROVIDE HEAT TRACE SYSTEM ON ALL PIPING SUBJECT TO FREEZING CONDITIONS. SEE DETAIL FOR MORE INFORMATION.
8. APPROXIMATE LOCATION OF NEW PROPANE GAS TANK ON HOUSE KEEPING PAD. PROVIDE SHUT OFF VALVE AND REGULATOR ON NEW PROPANE GAS LINE CONNECTION. COORDINATE PROPANE GAS TANK SIZE AND CONNECTION REQUIREMENTS WITH PROPANE PROVIDER/SUPPLIER PRIOR TO CONSTRUCTION. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTION.
9. APPROXIMATE LOCATION OF PROPANE GAS LINE UP TO CEILING LEVEL HEIGHT.

**GENERAL CONSTRUCTION NOTES**

1. ALL DOMESTIC WATER / GAS LINES SHOWN ON THIS FLOOR PLAN TO BE INSTALLED ABOVE CEILING LEVEL, UNLESS OTHERWISE NOTED.
2. DOMESTIC WATER RISE/DROPS SHALL BE CONCEALED, UNLESS OTHERWISE DIRECTED BY THE OWNER/ARCHITECT. COORDINATE ANY REQUIRED DEMOLITION/REPAIR OF EXISTING WALLS, NEW WALL FLOUTS, PIPE CHASES, ETC. WITH OWNER, ARCHITECT, AND GC PRIOR TO CONSTRUCTION.
3. COORDINATE DIMENSIONS OF CHASES AND WALL TYPES FOR ALL FIXTURE CARRIERS OF WALL HUNG PLUMBING FIXTURES PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL VERIFY ADEQUATE DRAIN-DOWNS FOR WINTERIZING ARE PROVIDED IN AREAS INSTALLED WITH WATER PIPING.
5. PLUMBING CONTRACTOR SHALL INSTALL ALL DOMESTIC WATER PIPING WITHIN THE BUILDING SUCH THAT IT CAN BE DRAINED AND WINTERIZED TO AVOID FREEZING. PITCH PIPING, PROVIDE ADDITIONAL SHUTOFF AND DRAIN VALVES, ETC. AS REQUIRED.

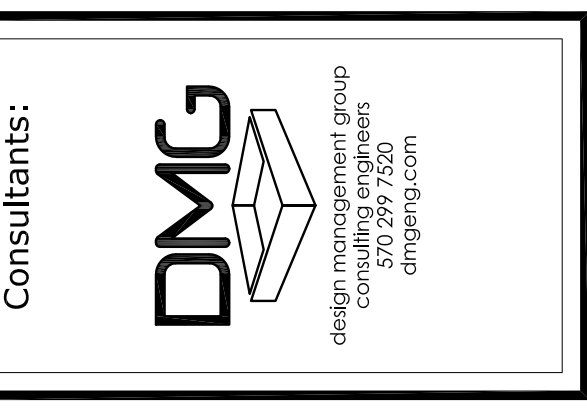
**KEYED CONSTRUCTION NOTES**

1. APPROXIMATE LOCATION OF SANITARY LINE OUT TO SITE. PROVIDE ADEQUATE COVER OVER INVERT OF PIPING TO BELOW LOCAL FROST LINE TO PREVENT FROM FREEZING. SEE P-3 FOR SANITARY LINE CONTINUATION.
2. 3" VENT STACK UP. 4" VENT THRU ROOF. COORDINATE ROOF PENETRATION LOCATION TO MAINTAIN 10'-0" CLEARANCE AWAY FROM ANY INTAKES OF MECHANICAL EQUIPMENT ON ROOFTOP ABOVE.

**GENERAL CONSTRUCTION NOTES**

1. ALL SANITARY LINES SHOWN ON THIS FLOOR PLAN TO BE INSTALLED BELOW FLOOR LEVEL AND VENT PIPING ABOVE CEILING LEVEL, UNLESS OTHERWISE NOTED.
2. SANITARY & VENT PIPE RISE/DROPS SHALL BE CONCEALED, UNLESS OTHERWISE DIRECTED BY THE OWNER/ARCHITECT. COORDINATE ANY REQUIRED DEMOLITION/REPAIR OF EXISTING WALLS, NEW WALL FLOUTS, PIPE CHASES, ETC. WITH OWNER, ARCHITECT, AND GC PRIOR TO CONSTRUCTION.
3. ALL DRAINAGE PIPING 2-1/2" DIAMETER AND SMALLER TO BE PITCHED AT MINIMUM OF 1/4" PER FOOT, 3" TO 6" DIAMETER AT 1/8" PER FOOT, AND 8" AND LARGER AT 1/16" PER FOOT.
4. COORDINATE DIMENSIONS OF CHASES AND WALL TYPES FOR ALL FIXTURE CARRIERS OF WALL HUNG PLUMBING FIXTURES PRIOR TO CONSTRUCTION.

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Client: Riverside School District  
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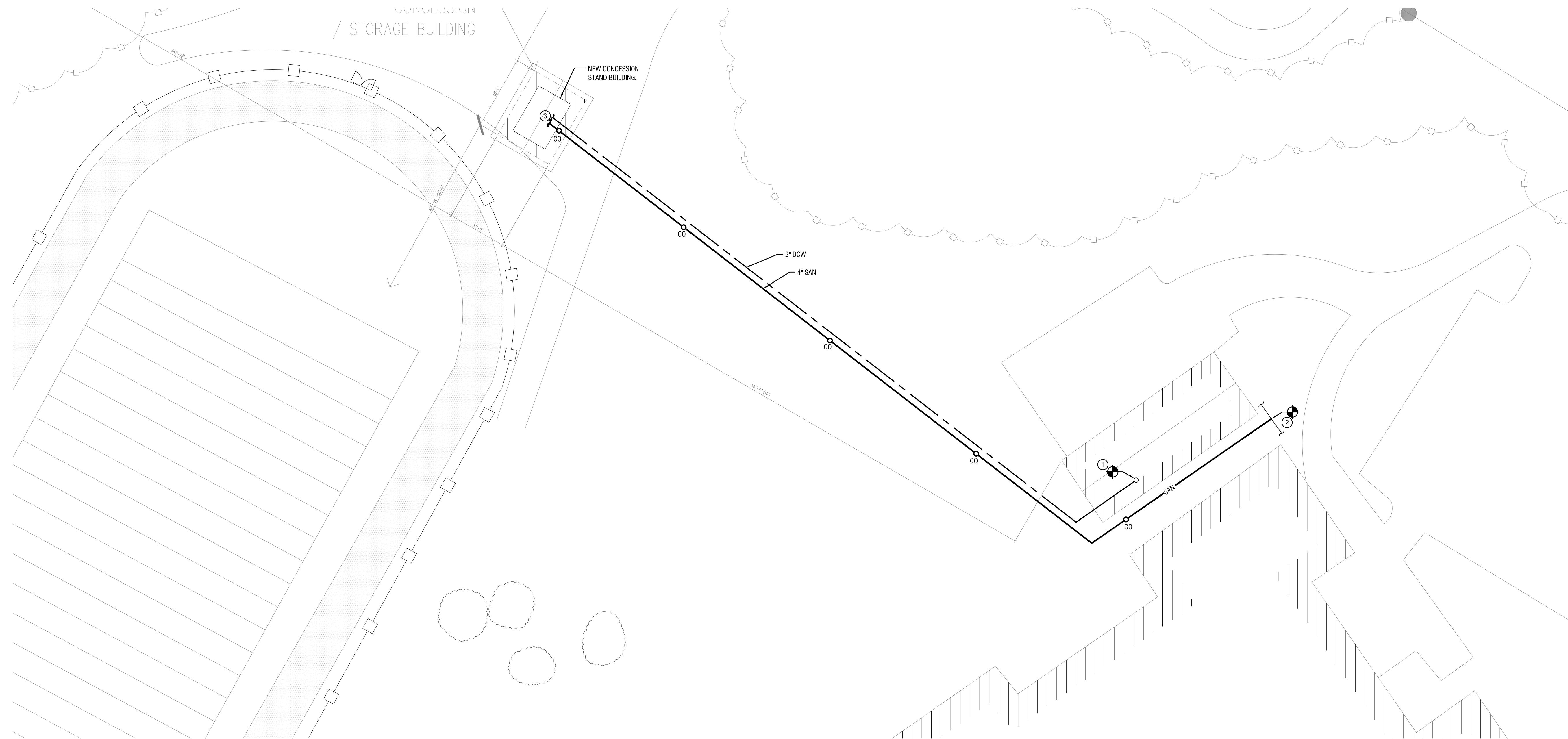
Consultants: **CAM architect**

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<b>P-2</b>	

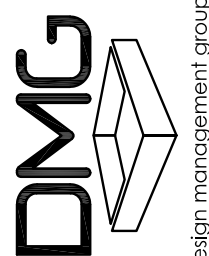


1 PLUMBING SITE PLAN  
 P-3 SCALE: 1" = 30'-0"

- KEYED CONSTRUCTION NOTES**
- APPROXIMATE LOCATION OF NEW DOMESTIC WATER LINE CONNECTION TO EXISTING WATER WATER LINE. FIELD VERIFY BEST POSSIBLE LOCATION OF NEW CONNECTION. PROVIDE SHUT OFF VALVE ON NEW CONNECTION.
  - APPROXIMATE LOCATION OF NEW SANITARY LINE CONNECTION TO EXISTING SANITARY MAIN. FIELD VERIFY BEST POSSIBLE LOCATION OF NEW CONNECTION.
  - APPROXIMATE LOCATION OF NEW SANITARY LINE AND DOMESTIC WATER LINE INTO CONCESSION STAND BUILDING. SEE P-2 FOR CONTINUATION.
- GENERAL CONSTRUCTION NOTES**
- ALL DRAINAGE PIPING 2-1/2" DIAMETER AND SMALLER TO BE PITCHED AT MINIMUM OF 1/4" PER FOOT, 3" TO 6" DIAMETER AT 1/8" PER FOOT, AND 8" AND LARGER AT 1/16" PER FOOT.
  - PROVIDE ADEQUATE COVER OVER INVERTS OF PIPING BELOW LOCAL FROST LINE TO PREVENT FROM FREEZING.

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Consultants:



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PLUMBING SITE PLANS

**P-3**



MAXIMUM HANGER SPACING PER IPC		
ITEM	MAXIMUM HORIZONTAL SPACING (FT.)	MAXIMUM VERTICAL SPACING (FT.)
ABS PIPE	4	10
ALUMINUM TUBING	10	15
BRASS PIPE	10	10
CAST IRON	5	15
COPPER OR COPPER-ALLOY PIPE	12	15
COPPER OR COPPER-ALLOY TUBING 1 1/4" DIAMETER OR SMALLER	6	10
COPPER OR COPPER-ALLOY TUBING 1 1/2" DIAMETER OR LARGER	10	10
CROSS-LINKED POLYETHYLENE (PEX) PIPE	2.67 (32 INCHES)	10
CROSS-LINKED POLYETHYLENE/ALUMINUM/CROSS-LINKED POLYETHYLENE (PEX-AL-PEX) PIPE (PEX) PIPE	2.67 (32 INCHES)	4
CPVC PIPE OR TUBING, 1" OR SMALLER	3	10
CPVC PIPE OR TUBING, 1 1/4" OR LARGER	4	10
STEEL PIPE	12	15
PB PIPE OR TUBING	2.67	4
POLYETHYLENE/ALUMINUM/POLYETHYLENE (PE-AL-PE) PIPE	2.67	4
POLYPROPYLENE (PP) PIPE OR TUBING 1" OR SMALLER	2.67	10
POLYPROPYLENE (PP) PIPE OR TUBING 1 1/4" OR LARGER	4	10
PVC PIPE	4	10
STAINLESS STEEL DRAINAGE SYSTEMS	10	10

NOTES:  
 1. PIPE HANGERS SHALL ENIRCLE PIPE INSULATION.  
 2. PROVIDE MAXIMUM HANGER SPACING AS PER THE SCHEDULE ABOVE OF PER SPECIFICATIONS WHICH EVER IS MORE STRINGENT.

**PLUMBING FIXTURE INSULATION SCHEDULE**

PIPING	INSULATION TYPE	INSULATION THICKNESS		NOTES
		LESS THAN 1 1/2" DIA.	1 1/2" DIA. AND LARGER	
DOMESTIC COLD WATER	FIBERGLASS	1/2"	1"	1, 2, 3, 4, & 5
DOMESTIC HOT WATER	FIBERGLASS	1"	1 1/2"	1, 2, 3, 4, & 5
DOMESTIC HOT WATER RETURN	FIBERGLASS	1"	1 1/2"	1, 2, 3, 4, & 5

- NOTES:  
 1. INSULATE PIPING PER SECTION OF THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC). CONDUCTIVITY NOT TO EXCEED 0.27 BTU PER/IN\*FT2\*F.  
 2. INSULATION SHALL BE APPLIED BY AN EXPERIENCED PERSONNEL IN ACCORDANCE WITH BEST TRADE PRACTICE GUIDED BY MANUFACTURER'S PRINTED INSTALLATION INSTRUCTION/DIRECTIONS  
 3. INSULATION SHALL BE MANVILLE MICRO-LOK FIBERGLASS PIPE INSULATION TYPE AP-T OR APPROVED EQUAL.  
 4. ALL INSULATION JACKETS, FACING AND ADHESIVES USED TO ADHERE JACKET OR FACING TO THE INSULATION, INCLUDING FITTING AND BUTT STRIPS SHALL HAVE NON-COMBUSTIBLE FIRE AND SMOKE HAZARD RATING AND LABEL AS TESTED BY ASTM-84-91A, NFPA 255 AND UL 723 NOT EXCEEDING FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50.  
 5. FITTING AND VALVES SHALL BE INSULATED WITH MANVILLE FACTORY PERCUT HI-LO TEMP FIBERGLASS INSULATION AND ZESTON 25/50 RATED OVC INSULATION FITTING COVERS. EPOLUX 670 WHITE VAPOR BARRIER COATING, OR APPROVED EQUAL, SHALL BE APPLIED AROUND THE EDGES OF THE ADJOINING PIPE INSULATION AND ON THE FITTING COVER THROAT OVERLAP SEAM. THE FITTING COVER SHALL BE SECURED WITH PRESSURE SENSITIVE PEARL GRAY Z-TAPE ALONG THE CIRCUMFERENTIAL EDGES. THE TAPE SHALL EXTEND ALL OVER THE ADJACENT PIPE INSULATION WITH AN OVERLAP ON ITSELF OF 2". ALL INSULATION MATERIAL SHALL COMPLY WITH THE NEW WORK BUILDING CODE REQUIREMENTS.

**PLUMBING FIXTURE SCHEDULE**

TAG NO.	FIXTURE	FIXTURE		C.W.	H.W.	W.	TRAP	V.	TRIM	TRIM		SPECIFICATION
		MODEL	MODEL							MANUFACTURER	MODEL	
WC-1	WATER CLOSET ADA (FLUSH TANK)	KOHLER	K-3493	1/2"	-	4"	-	2"	SEAT	CHURCH	94005C	ELONGATED PRESSURE-ASSISTED TOILET 1.6 GPF. VITREOUS CHINA, LOW CONSUMPTION, FULLY-GLAZED 2-1/4" TRAPWAY. EQUIPPED WITH SLOAN FLUSHMATE. ELONGATED OPEN FRONT SOLID PLASTIC SEAT. MOUNTED AT ADA COMPLIANT HEIGHT.
LAV-1	LAVATORY ADA	AMERICAN STD.	0355.012	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	FAUCET	AMERICAN STANDARD	6055.205	WALL-HUNG SINK ACCESSIBLE, VITREOUS CHINA WITH FRONT OVERFLOW. D-SHAPED BOWL AND SELF-DRAINING DECK AREA WITH CONTOURED BACK, SIDE SPLASH SHIELDS AND FAUCET LEDGE. FAUCET SHALL BE CENTER SET WITH 0.5 GPM AERATOR, TOUCHLESS. DC POWERED WITH 4-YEAR LI-ION BATTERY. ASSEMBLY MUST MEET ADA.
UR-1	URINAL	AMERICAN STD.	6590.001	3/4"	-	2"	2"	2"	FLUSH VALVE	AMERICAN STANDARD	6063.101.002	WALL HUNG, VITREOUS CHINA, ULTRA HIGH EFFICIENCY, FLUSHING RIM, ELONGATED 14" RIM FROM FINISHED WALL, WASHOUT FLUSH ACTION, TOP SPUD UNIVERSAL URINAL. MATCHING EXPOSED BATTERY POWERED (CR-P2 LITHIUM), ELECTRONIC SENSOR OPERATED, SELF CLEANING PISTON WITH INTEGRAL WIPER SPRING, FULLY MECHANICAL MANUAL OVERRIDE BUTTON, 1.0 GPF FLUSH VALVE. MOUNTED AT ADA COMPLIANT HEIGHT.
KS-1	KITCHEN SINK	DAYTON SPECIFICATIONS	DPC1202010	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	FAUCET	KOHLER	K-10433	STAINLESS STEEL DROP IN SINK (20" X 20" X 10-1/8"). SINGLE FAUCET HOLE. FURNISH WITH TWO FUNCTION PULL OUT SPRAYHEAD (1.5 GPM). 10-1/8" SWING SPOUT REACH WITH SINGLE HANDLE.
MS-1	JANITORS SINK/MOP BASIN	ACORN	TDF-24	3/4"	3/4"	3"	3"	2"	FAUCET	AMERICAN STANDARD	8351.076	MOP SINK SHALL BE MADE OF PRECAST TERRAZZO TO PRODUCE A COMPRESSIVE STRENGTH OF AT LEAST 3000 PSI SEVEN DAYS AFTER CASTING. ALL EXPOSED SURFACES SHALL BE GROUND SMOOTH AND SEALED. NO AIR HOLES OR PITS SHALL BE ALLOWED ON THE FINISHED SURFACE. SINK SHALL HAVE COVERED CORNERS AND BE PITCHED TO THE DRAIN OUTLET FOR POSITIVE DRAINAGE. INTEGRAL DRAIN SHALL HAVE A STAINLESS STEEL STRAINER AND PROVIDE FOR AN INSIDE CALKULATED CONNECTION TO A 3" PIPE. 3" CAST BRASS SPOUT, EXPOSED YOKE WALL-MOUNT UTILITY FAUCET SHALL FEATURE A CAST BRASS BODY WITH INTEGRAL STOPS. CAST BRASS SPOUT WITH BUCKET HOOK AND VANDAL-RESISTANT METAL LEVER HANDLES. SHALL ALSO FEATURE A 1/4 TURN WASHERLESS CERAMIC DISC VALVE CARTRIDGES.
HB-1	NON FREEZE HOSE BIB	JOSAM	71350	3/4"	-	-	-	-	-	-	-	VANDAL RESISTANT WALL HYDRANT IN STAINLESS STEEL WALL BOX WITH INTEGRAL VACUUM BREAKER/BACKFLOW PREVENTER. COORDINATE WALL DIMENSIONS WITH BUILDING OWNER AND P.C. PRIOR TO ORDERING.
HB-2	HOSE BIB	PRIER	C-244	1/2"	-	-	-	-	-	-	-	VANDAL RESISTANT NON FREEZE WALL HYDRANT WITH ANTI-SIPHON VACUUM BREAKER AND BACKFLOW CHECK VALVE. COORDINATE WALL DIMENSIONS AND INLET STYLES WITH BUILDING OWNER AND P.C. PRIOR TO ORDERING. USED TO DRAIN SYSTEM.
FD-1	FLOOR DRAIN (GENERAL USE, SHOWER)	JAY R. SMITH	2005	-	-	2"	2"	1 1/2"	-	-	-	GENERAL SERVICE FLOOR DRAIN FOR USE IN SHOWERS, TOILETS, KITCHENS AND OTHER FINISHED AREAS WHERE FOOT TRAFFIC IS EXPECTED. THE ROUND TOP STRAINER HEAD IS USED FOR ALL TYPES OF FLOURED FINISHED FLOORS. THE SQUARE TOP IS PARTICULARLY ADAPTABLE TO FLOORS THAT ARE FINISHED IN MATERIAL OF SQUARE OR STRAIGHT LINE PATTERN. REVERSIBLE FLASHING COLLAR PERMITS ADJUSTMENT OF THE STRAINER TO MEET FINISHED FLOOR LEVEL.
FCO	FLOOR CLEANOUT	JAY R. SMITH		-	-	VARIES	VARIES	-	-	-	-	DUOCO CAST IRON CLEANOUT WITH ROUND ADJUSTABLE SCORATED SECURED NICKEL BRONZE TOP WITH BRONZE CLOSURE FLUG.

- NOTES:  
 1. ALL FIXTURES SHALL BE PROVIDED WITH SUPPLIES AND STOPS. PROVIDE DRAINS, STRAINERS, TRAPS AND TAIL PIECES AS REQUIRED. WHERE ADA ACCESSIBILITY IS INDICATED, PROVIDE OFFSET TAIL PIECES. ALL EXPOSED TRAP AND DRAIN PIPING SHALL BE INSULATED OR PROVIDED WITH AN INSULATED SHROUDING SYSTEM AS MANUFACTURED BY TRUBERO OR EQUAL.  
 2. WATER CLOSETS SHALL BE PROVIDED WITH MATCHING SEATS WITH SELF SUSTAINING CHECK HINGES AND ANTI-MICROBIAL COATINGS  
 3. FLOOR DRAINS SHALL BE PROVIDED WITH TRAPS AND TRAP SEALS UNLESS A PRIMING SYSTEM IS EXPLICITLY INDICATED ON THE DRAWINGS.  
 4. ALL WALL HUNG FIXTURES SHALL BE PROVIDED WITH THE APPROPRIATE CARRYING DEVICE AS MANUFACTURED BY JAY R. SMITH OR EQUAL.  
 5. PROVIDE ACORN ST70 ASSE ANTI-SCALD VALVES (TEMPERED WATER/ MAX 110 °F) ON ALL HOT WATER FIXTURES EXCEPT FOR KITCHEN EQUIPMENT, MOP AND SERVICE SINKS, SPECIAL CLEANING DEVICES (HOT WATER HOSE BIBS OR HYDRANTS), OR LAUNDRY EQUIPMENT.  
 6. COORDINATE FINAL SELECTIONS AND FINISHES OF ALL PLUMBING FIXTURES WITH OWNER AND ARCHITECT PRIOR TO PURCHASE.

**EXPANSION TANK SCHEDULE**

TAG NO.	BASIS OF DESIGN		SERVICE ZONE	ACCEPTABLE VOLUME (GAL)	CONNECTION SIZE	SIZE DIA. x H"	NOTES
	MANUFACTURER	MODEL					
ET-1	AMTROL	ST-12-C	WH-1	3.2	3/4"	12" x 8"	1,2,3,4

NOTES:  
 1. CONSTRUCTION SHALL BE FACTORY FABRICATED STEEL, WELDED TO TANK BEFORE TESTING AND LABELING, INCLUDING ASME B1.20.1, PIPE THREAD.  
 2. COMPLY WITH NSF 61 BARRIER MATERIALS FOR POTABLE-WATER TANK LININGS, INCLUDING EXTENDING FINISH INTO AND THROUGH TANK FITTINGS.  
 3. FACTORY INSTALLED AIR CHARGING VALVE.  
 4. WORKING PRESSURE RATING 150 PSIG, AIR RECHARGE PRESSURE: 55 PSIG

**PROPANE CALCULATIONS**

LONGEST RUN	UNIT/EQUIPMENT	QTY	MBH (EACH)	TOTAL MBH	BRANCH PIPE SIZE (IN)
APPROX. 30 FT.	GAS FIRED UNIT HEATER	1	30	30	1/2"
	TOTAL			30.00	1/2"

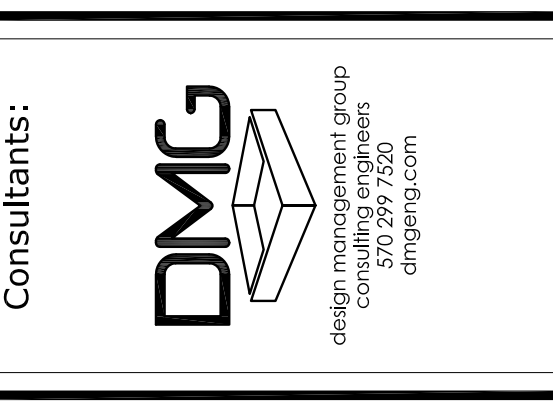
- NOTES:  
 1. ALL GAS PIPING IS BASED ON SCHEDULE 40 METALLIC PIPE AT AN INLET PRESSURE OF 2.0 PSL. PRESSURE DROP OF 1.0 PSL AND SPECIFIC GRAVITY OF 1.50. VERIFY INLET PRESSURE AND CONNECTED GAS LOAD WITH GAS UTILITY PROVIDER PRIOR TO ANY NEW WORK.  
 2. GAS PIPING SIZED IN ACCORDANCE WITH PIPE SIZING TABLE 402.4(25) AND PIPE LENGTHS DETERMINED IN ACCORDANCE WITH 402.4.2 BRANCH LENGTH METHOD OF THE 2018 INTERNATIONAL FUEL GAS CODE.

**ELECTRIC WATER HEATER SCHEDULE**

TAG NO.	BASIS OF DESIGN		TYPE	WATTAGE INPUT	GPM FLOW RATE @ TEMP RISE °F	CONNECTIONS		VOLTS/PH/Hz	NOTES
	MANUFACTURER	MODEL				INLET	OUTLET		
WH-1	A.O.SMITH	DEL-30	STORAGE	4 KW	16 GPM @ 100°F	3/4"	3/4"	208/1/60	1,2,3,4,5,6

NOTES:  
 1. FURNISHED WITH ALL STANDARD EQUIPMENT INCLUDING TEMPERATURE AND PRESSURE (T&P) RELIEF VALVE (IF REQUIRED BY LOCAL AHJ).  
 2. THE HEATER WILL BE FACTORY ASSEMBLED AND TESTED REQUIRING ONLY CONNECTIONS TO THE ELECTRIC AND PLUMBING SYSTEM.  
 3. MAINTAIN ALL REQUIRED CLEARANCES AROUND HEATER IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION MANUAL (12" ABOVE AND BELOW, 6" IN FRONT AND TO THE SIDES OF HEATER)/  
 3. COPPER IMMERSION HEATING ELEMENTS WITH BRASS TOP. 99.8% ENERGY EFFICIENT. THREADED FOR EAST REPLACEMENT.  
 4. INCLUDE ALL HANGING BRACKETS AS REQUIRED. EXTEND RELIEF VALVE/DRAIN PIPING ALONG WALL TO NEAREST FLOOR DRAIN/MOP BASIN.  
 5. PROVIDE ACORN MV-17-1 (TMV-1) MASTER MIXING VALVE ROUGH BRONZE WITH ALL STANDARD EQUIPMENT INCLUDING PARAFFIN COPPER ACTUATOR, HEAVY DUTY COMBINATION STRAINER, CHECKSTOPS AND TAMPER RESISTANT TEMPERATURE ADJUSTABLE CONTROL.  
 6. VERIFY TEMPERATURE SETTING WITH OWNER.

Client: **TRACK CONCESSIONS BUILDING**  
 Client: Riverside School District  
 300 Davis St.  
 Taylor, Pa 18517



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Seals:

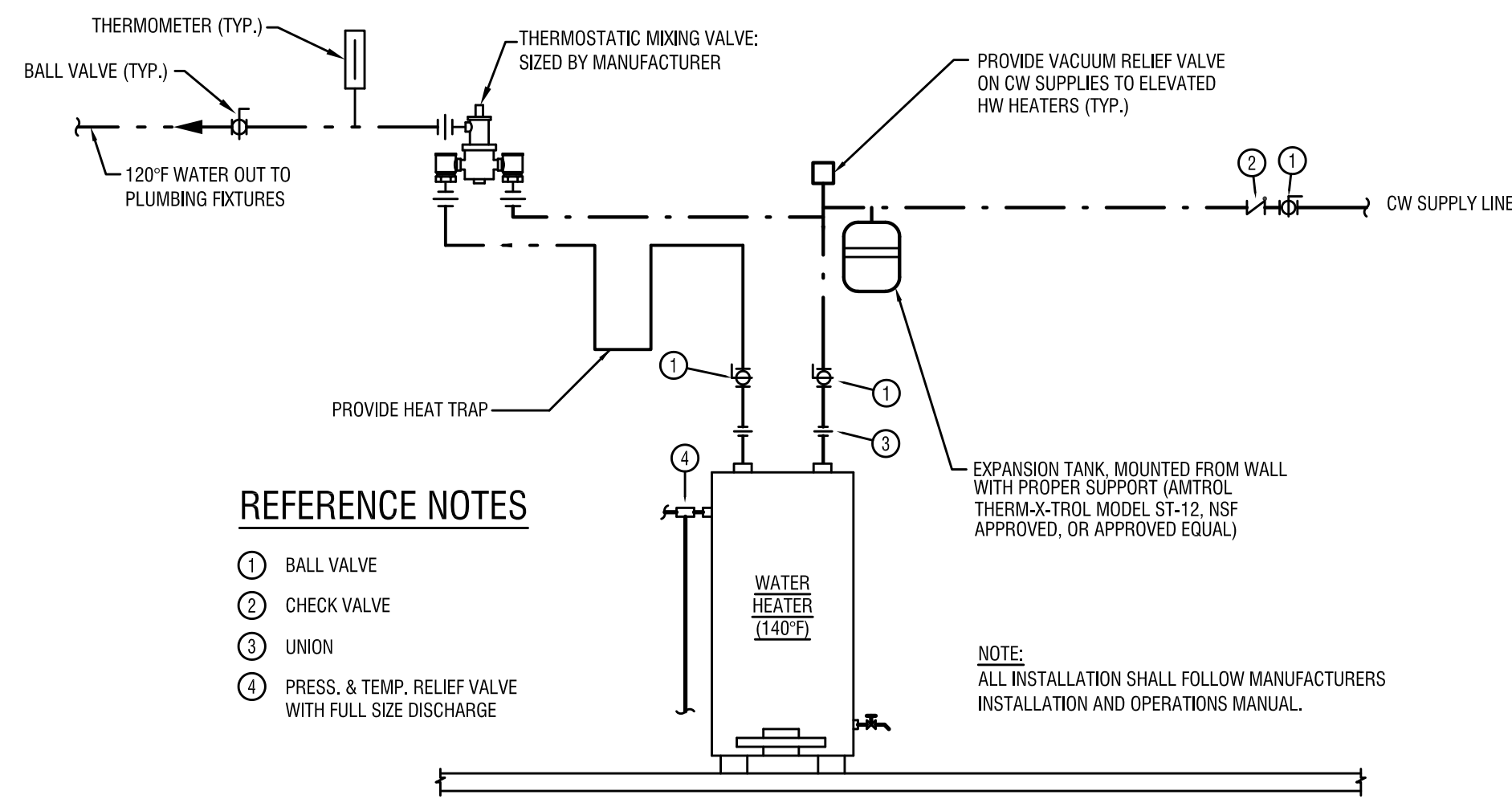
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Revisions | Issues  
 No:      Date:

Phase:  
**PERMIT SET**

Project: Track Concessions Building  
 Date: 09/20/2022  
 Drawn: IW      Checked: DP  
 Scale: AS NOTED  
 Sheet:

PLUMBING SCHEDULES  
**P-4**

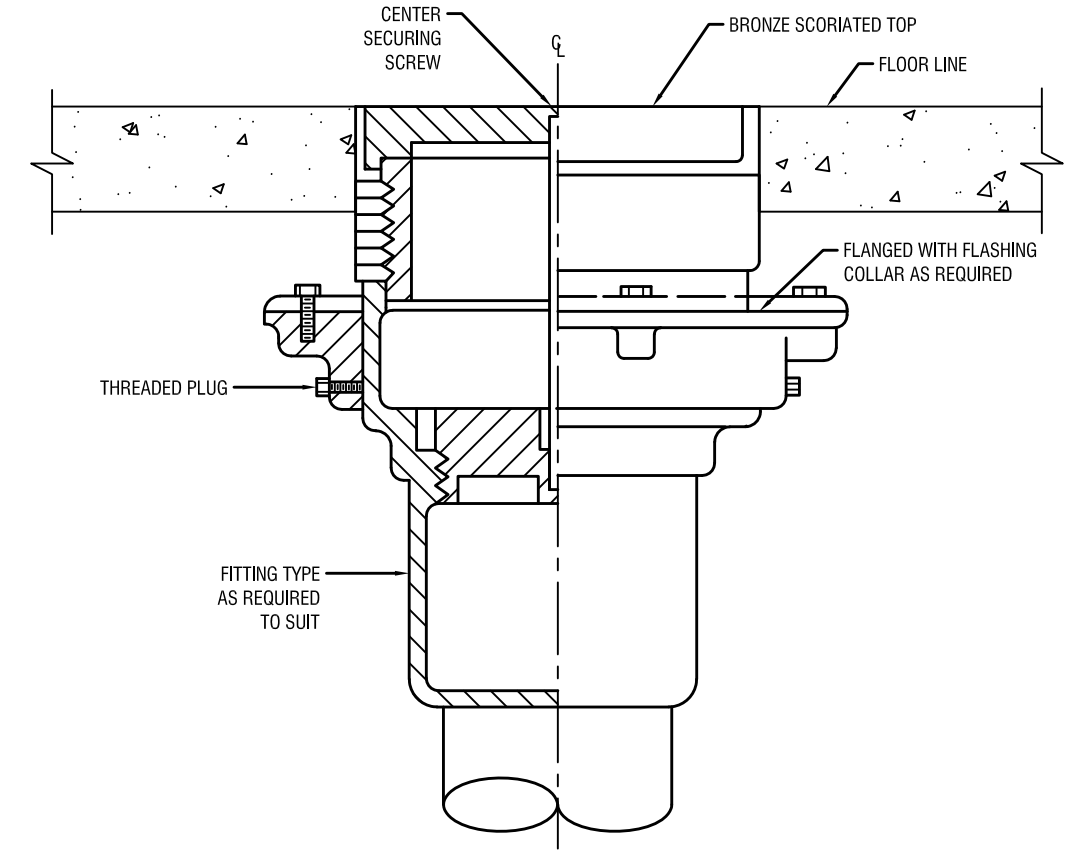


**REFERENCE NOTES**

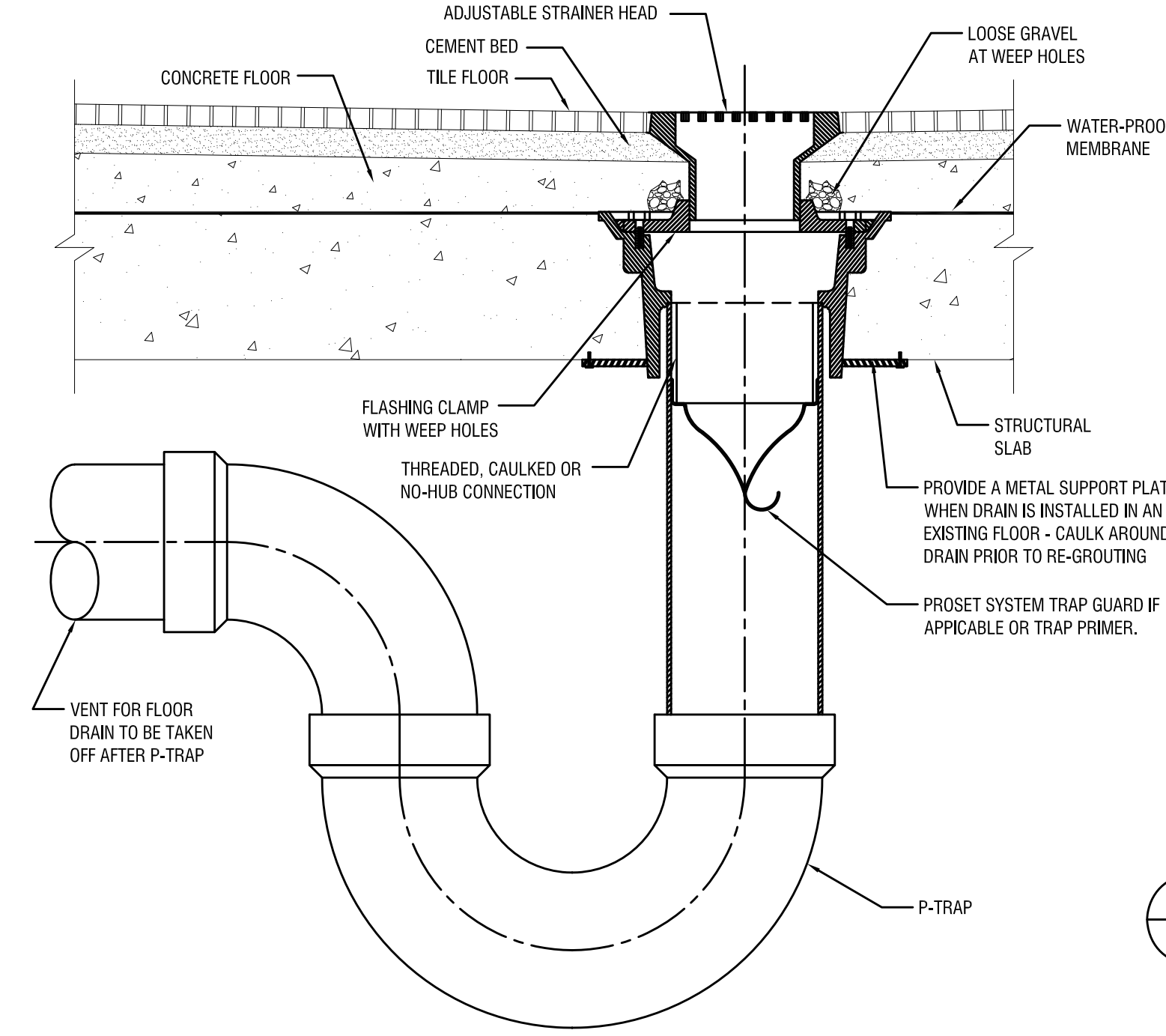
- 1 BALL VALVE
- 2 CHECK VALVE
- 3 UNION
- 4 PRESS. & TEMP. RELIEF VALVE WITH FULL SIZE DISCHARGE

NOTE: ALL INSTALLATION SHALL FOLLOW MANUFACTURERS INSTALLATION AND OPERATIONS MANUAL.

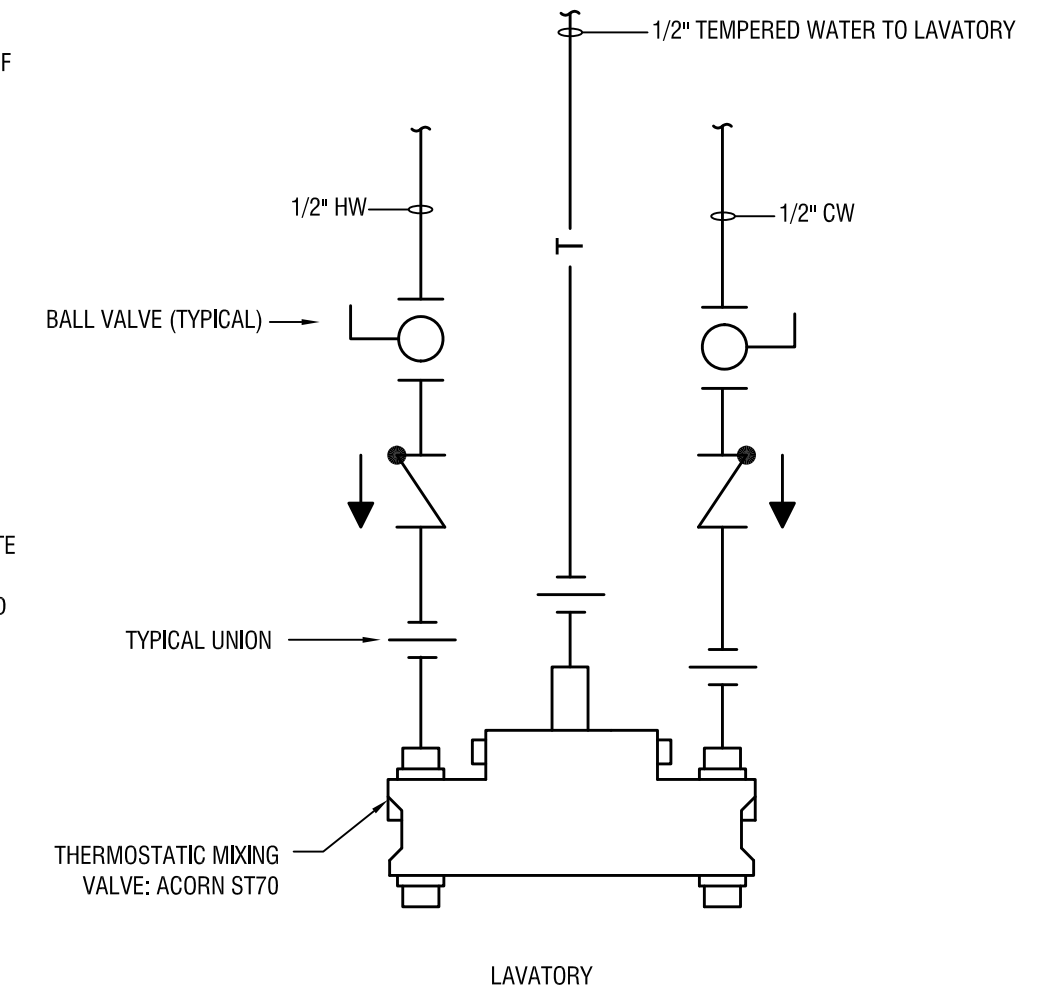
**1 SCHEMATIC PIPING ARRANGEMENT FOR ELECTRIC WATER HEATER**  
P-5 SCALE: NOT TO SCALE



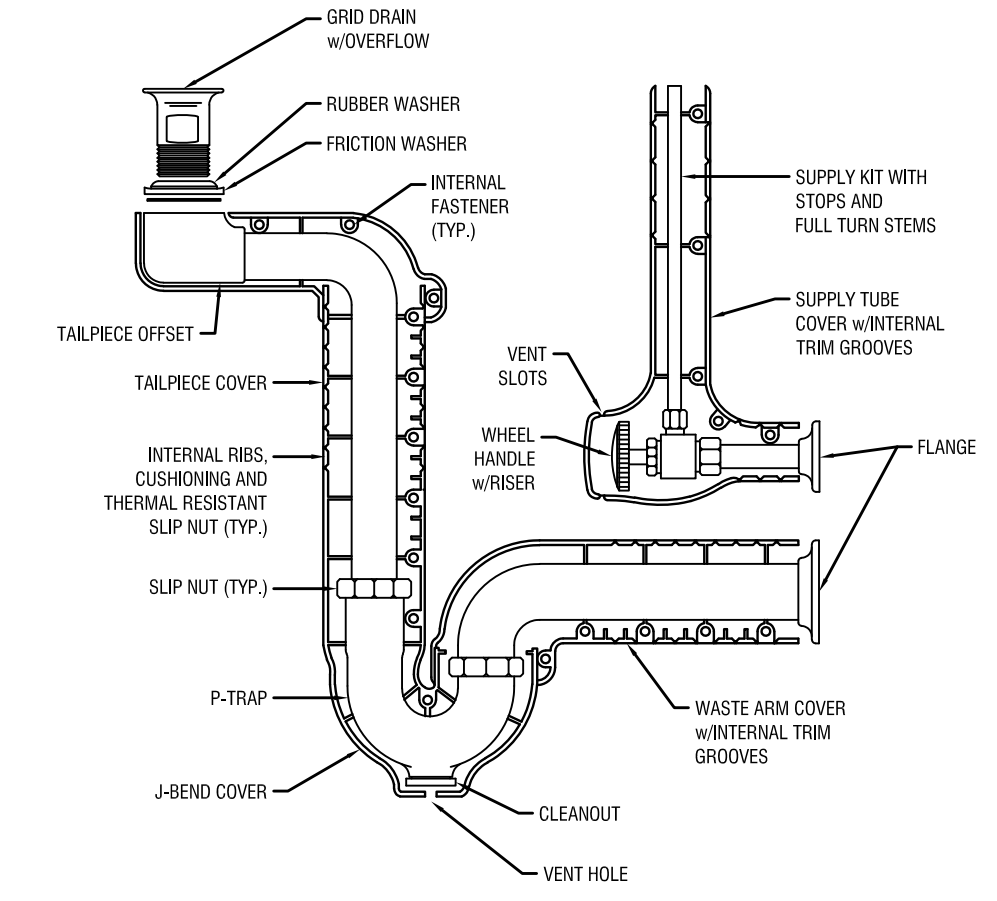
**2 TYPICAL FLOOR CLEANOUT DETAIL**  
P-5 SCALE: NOT TO SCALE



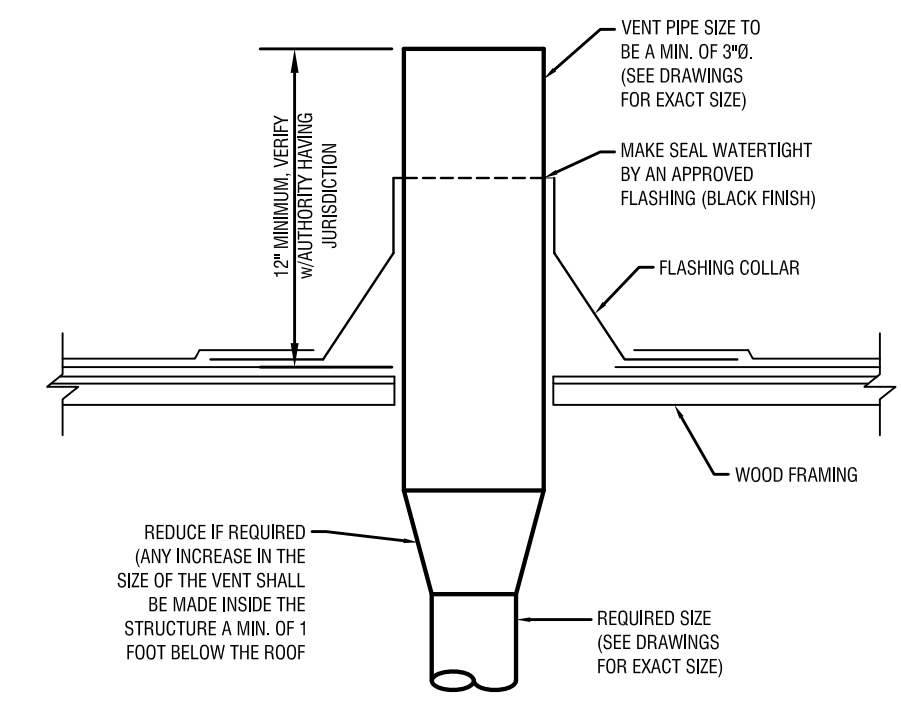
**3 TYPICAL FLOOR DRAIN DETAIL**  
P-5 SCALE: NOT TO SCALE



**4 LAVATORY ANTI-SCALD VALVE DETAIL**  
P-5 SCALE: NOT TO SCALE

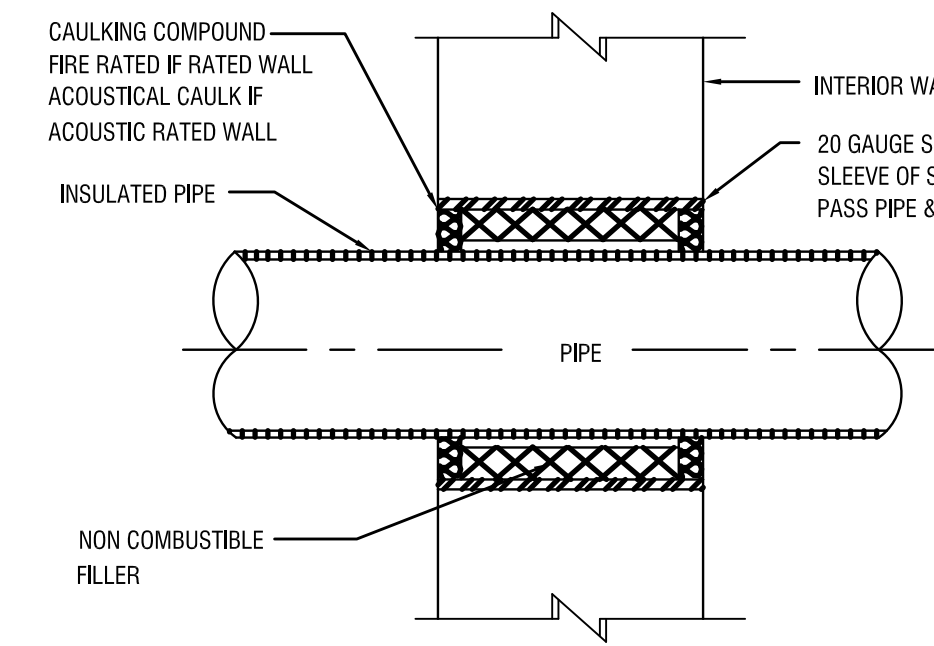


**5 TYPICAL SINK GUARD ADA DETAIL**  
P-5 SCALE: NOT TO SCALE

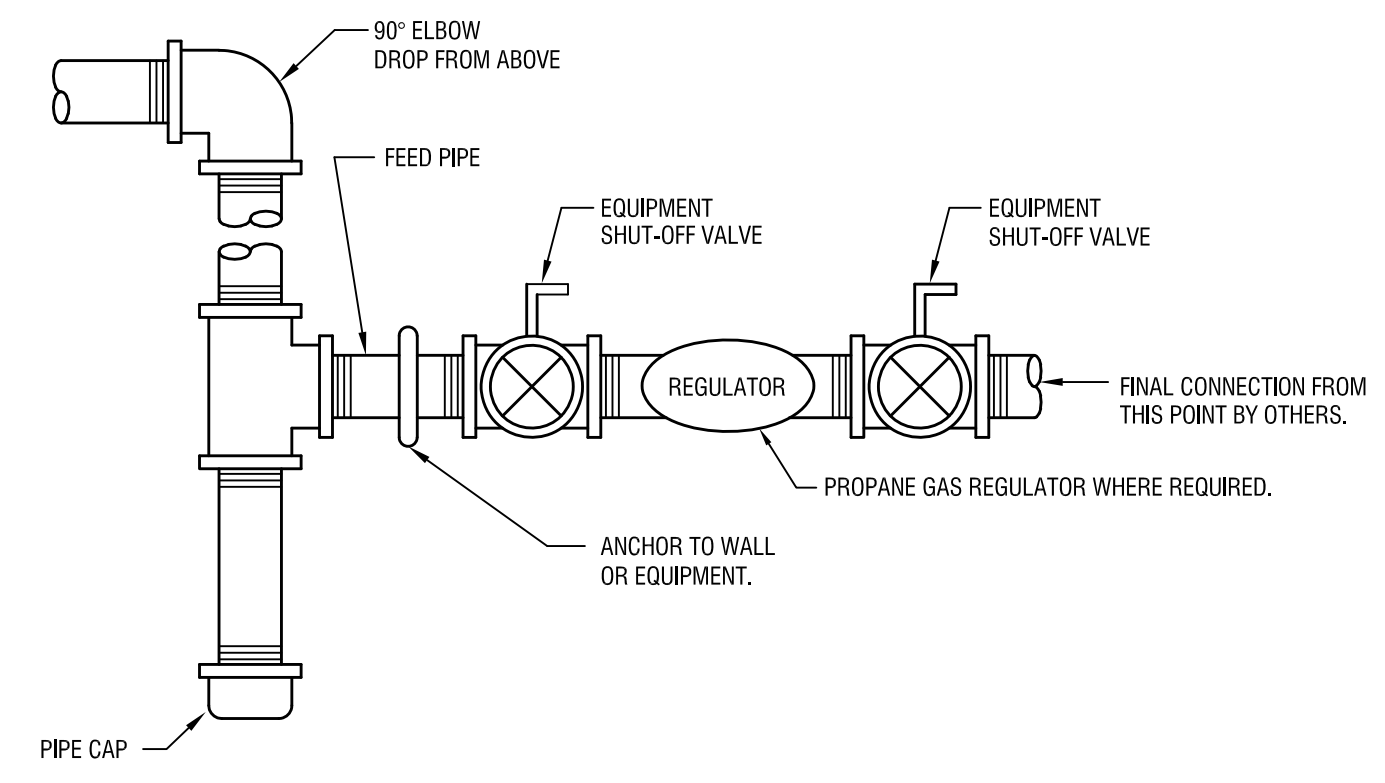


NOTES:  
1. AN OPEN VENT TERMINAL FROM A DRAINAGE SYSTEM SHALL NOT BE LOCATED DIRECTLY BENEATH ANY DOOR, OPERABLE WINDOW, OR OTHER INTAKE OPENING OF THE BUILDING OR OF AN ADJACENT BUILDING, AND ANY SUCH VENT TERMINAL SHALL NOT BE WITHIN 10 FEET HORIZONTALLY OF SUCH AN OPENING UNLESS IT IS AT LEAST 2 FEET ABOVE THE TOP OF SUCH OPENING.  
2. FOLLOW ROOF MANUFACTURERS FLASHING INSTRUCTIONS WHERE REQUIRED MANUFACTURERS WARRANTY

**6 VENT PIPE THROUGH ROOF DETAIL**  
P-5 SCALE: NOT TO SCALE



**7 DETAIL AT PIPE SLEEVE THROUGH WALL**  
P-5 SCALE: NOT TO SCALE



**8 GAS PIPING - EQUIPMENT CONNECTION**  
P-5 SCALE: NOT TO SCALE

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