

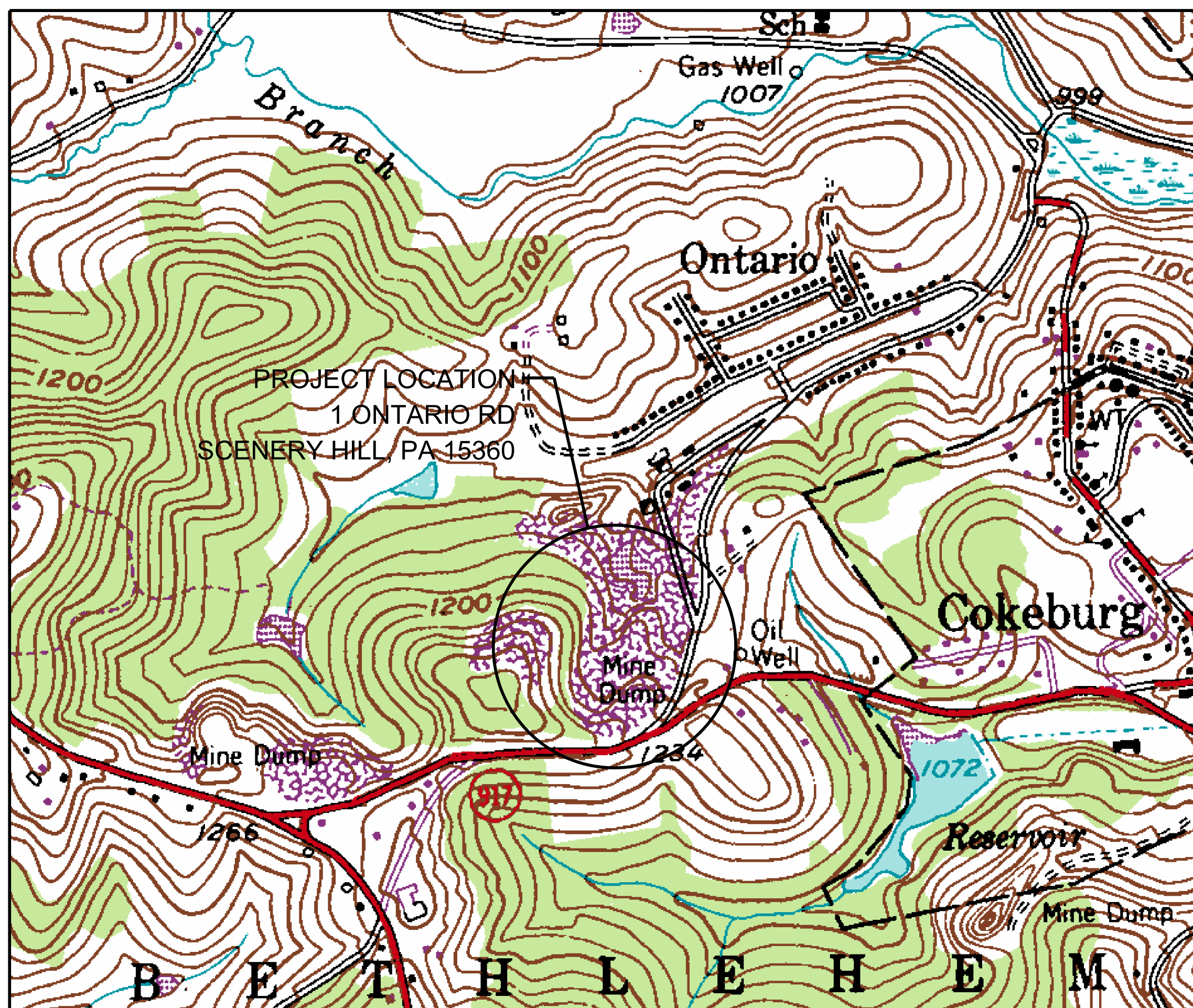
NORTH BETHLEHEM TOWNSHIP MUNICIPAL BUILDING AND GARAGE

NORTH BETHLEHEM TOWNSHIP

WASHINGTON COUNTY

WIDMER ENGINEERING No: 24808
MAY 2026

PENNSYLVANIA



LOCATION MAP

SOURCE: USGS QUAD - CONNELLSVILLE, PA

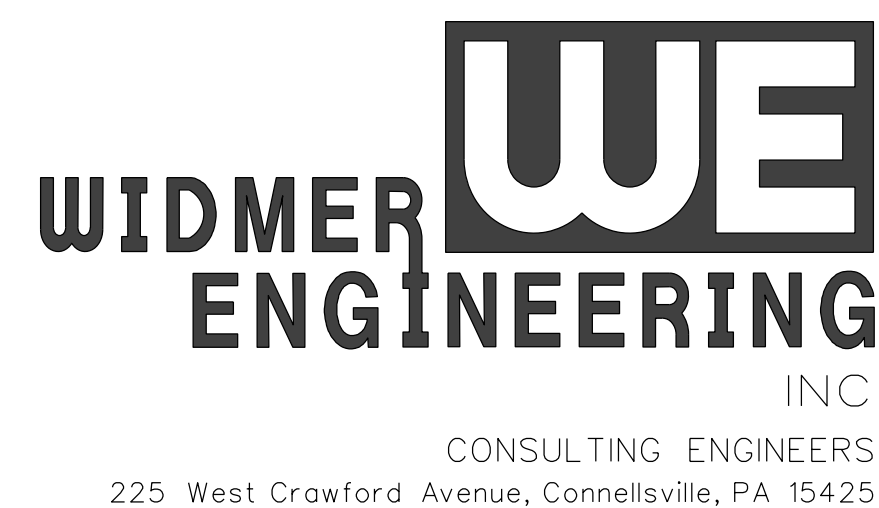
INTERNATIONAL BUILDING CODE - CODE COMPLIANCE REVIEW		
CODE	DESCRIPTION	APPLICATION
CHAPTER 3	MIXED USE AND OCCUPANCY	
311.3	LOW-HAZARD STORAGE, GROUP S-2, PARKING GARAGE OPEN OR CLOSED	AREA = 6,000 SQ. FT.
	BUSINESS, GROUP B, CIVIC ADMINISTRATION	AREA = 2,400 SQ. FT.
CHAPTER 5	GENERAL BUILDING HEIGHTS & AREA	
503	ALLOWABLE HEIGHT & BUILDING AREA	GROUP S2&B CONSTRUCTION TYPE I-B NON SPRINKLER, ALLOWED 11-STORY, HEIGHT OF 160', AREA OF S-2 ALLOWED 79,000 SF AREA OF B ALLOWED UNLIMITED SF. - ACTUAL 1-STORY, HEIGHT IS 25'-0", AREA FOR S-2 IS 6,000 AREA FOR B IS 2,400 SF
CHAPTER 6	TYPES OF CONSTRUCTION	
602.3	TYPE I-B	ONE STORY STRUCTURAL STEEL PRIMARY FRAME CONSTRUCTION, ROOF STEEL CONSTRUCTION AND INTERIOR STEEL FRAME WALL ASSEMBLIES
CHAPTER 7	FIRE RESISTANCE CONSTRUCTION	
		NOT REQUIRED AS PER TABLE 601 TYPE II-A - 1 HOUR FIRE RATING PROPOSED THROUGHOUT
CHAPTER 8	INTERIOR FINISHES	
T 803.5	CLASS A - FLAME SPREAD 0-25 MINIMUM	INTERIOR FINISHES
CHAPTER 9	FIRE PROTECTION SYSTEMS	
903	AUTOMATIC SPRINKLER SYSTEM	SPRINKLERS ARE NOT REQUIRED
906	PORTABLE FIRE EXTINGUISHERS	RATING 2ABC - 2-A MAX. TRAVEL DISTANCE = 75' FLOOR, 8 THROUGH OUT.
CHAPTER 10	MEANS OF EGRESS	
1003.2	MEANS OF EGRESS CEILING HEIGHT	MINIMUM 7'-6"
1004	OCCUPANCY LOAD	BUSINES B OCCUPANCY - CIVIC ADMINISTRATION AREA 2,400 SF- (BUILDING OCCUPANCY LOAD 1 PER 150 GROSS) MAX = 16 PEOPLE BUSINES B OCCUPANCY - CONFERENCE ROOM AREA 915.32 SF- (BUILDING OCCUPANCY LOAD) MAX = 49 PEOPLE STORAGE S-2 OCCUPANCY - PARKING GARAGE 6,000 SF - (BUILDING OCCUPANCY LOAD 1 PER 300 GROSS) MAX = 20 PEOPLE OCCUPANT LOAD = 85 OCCUPANTS
1005	MINIMUM EGRESS WIDTH	DOORS = 20" MINIMUM PER 100 OCCUPANTS (0.2 INCH X 100 OCCUPANTS = 20 INCHES MINIMUM) 36" WIDE EXITS PROVIDED
1006	NUMBER OF EXITS AND EXIT ACCESS DOORWAYS	MINIMUM OF 2 EXITS REQUIRED, MAXIMUM COMMON PATH OF TRAVEL IS 75'
1008	MEANS OF EGRESS - ILLUMINATION	1 - FOOT CANDLE @ FLOOR, EXISTING CORRIDORS, ON INTERIOR AND EXTERIOR OF EGRESS DOORS
1010	MEANS OF EGRESS - DOORS	32" MINIMUM CLEAR WIDTH, 80" MINIMUM CLEAR HEIGHT, SIDE SWING WITH EXIT DISCHARGE, FLOOR OR LANDING ON EACH SIDE, THRESHOLDS < 1/2", PANIC HARDWARE AT 34-38" AFF., 36" > 32" O/C.
1013	EXIT SIGNS	AT ALL REQUIRED EXITS (NOTED ON PLANS)
1017.2	EXIT ACCESS TRAVEL DISTANCE	GROUP B WITHOUT SPRINKLERS = 200' - GROUP S-2 WITH WITHOUT SPRINKLERS = 300'
1020.1	CORRIDOR FIRE - RESISTANCE RATING	OCCUPANT LOAD > 30 WITHOUT SPRINKLER SYSTEM REQUIRES 1 HR FIRE RATING - WITH SPRINKLER SYSTEM REQUIRES A 0 HR FIRE RATING
1020.2	CORRIDOR WIDTH	NOT LESS THAN 44"
1022	NUMBER OF EXITS	MINIMUM OF 2 EXITS REQUIRED FOR 1-500 OCCUPANTS
SNOW LOAD IS 40 PSF AND WIND LOAD IS 110 MPH		

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4 OF 12	24808-04	PLUMBING PLAN
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6 OF 12	24808-06	ELECTRICAL PANEL AND DIAGRAMS
7 OF 12	24808-07	LIGHTING PLAN
8 OF 12	24808-08	HVAC PLAN
9 OF 12	24808-09	HVAC HYDRONIC TUBING LAYOUT
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12 OF 12	24808-12	MISCELLANEOUS DETAILS

CALL BEFORE YOU DIG!
PENNSYLVANIA ACT 287 REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 5 WORKING DAYS IN DESIGN STAGE - STOP - CALL
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1776 OR 811

PENNSYLVANIA ONE-CALL:
1. ALL UNDERGROUND UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS. EXACT LOCATIONS, DEPTH, AND SIZE OF ALL EXISTING UTILITIES IN THE PROJECT AREA SHALL BE FIELD VERIFIED BY THE CONTRACTOR WITH A REPRESENTATIVE FROM THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES AT LEAST SEVENTY-TWO (72) HOURS BEFORE ANY WORK IS COMMENCED AT THE PROJECT SITE.
PENNSYLVANIA ONE-CALL: 1-800-242-1776 OR 811
PENNSYLVANIA ONE CALL SERIAL NUMBER : 2025316378



SEAL

NORTH BETHLEHEM TOWNSHIP MUNICIPAL BUILDING AND GARAGE

PENNSYLVANIA

WASHINGTON COUNTY

NORTH BETHLEHEM TOWNSHIP

LAND DEVELOPMENT PLAN

1 ONTARIO ROAD

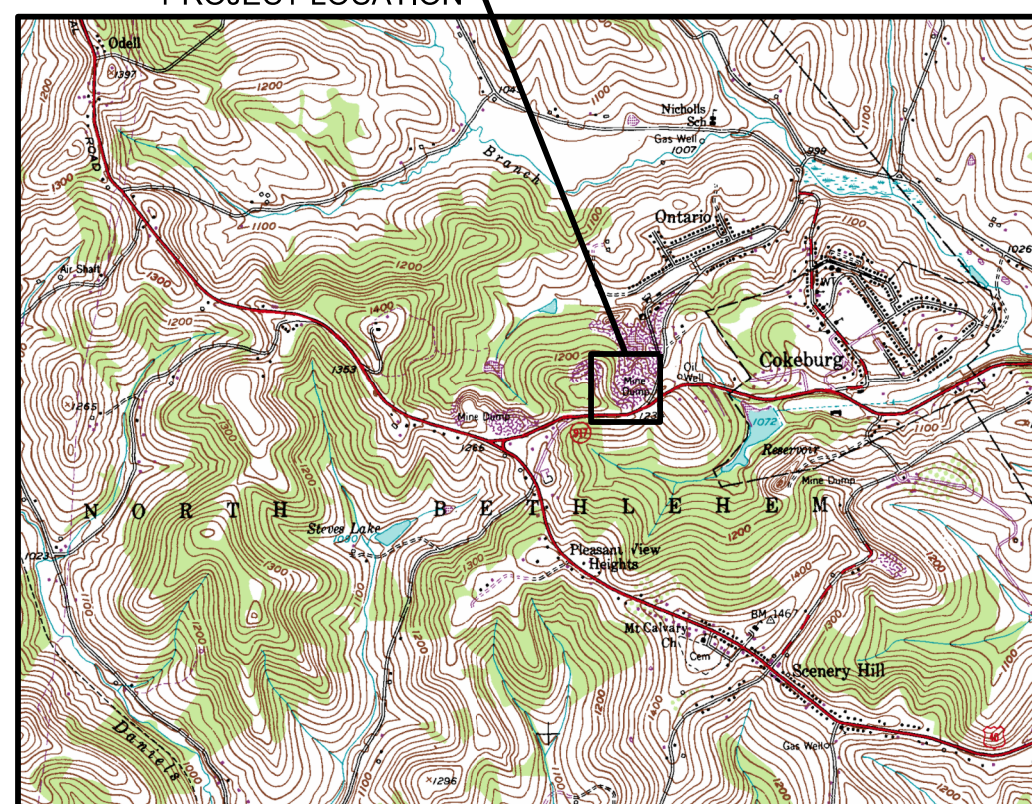
SCENERY HILL, PA 15360



SITE PLAN
 SCALE : 1" = 60'-0"

ONE-CALL SERIAL NUMBER 20261071556

PROJECT LOCATION



LOCATION MAP

SOURCE: U.S.G.S. ELLSWORTH PA QUADRANGLE
 SCALE: 1" = 3000'

SITE CONDITIONS AND NOTES

- Total Lot Acreage: 18.4 Acres
- Land Use & Zoning:
 - A. Existing Zoning Districts:
 - Subject Property: Exempt
 - Adjoining Properties: Agricultural Residential Commercial
 - B. Land Uses:
 - Subject Property: Municipal
 - C. Covenants: None
 - D. Zoned as: Exempt
 - Front Setback: 50'
 - Side Setback: 20'
 - Rear Setback: 30'
- Existing Land Characteristics:
 - A. General Topographic Form:
 - The South side of the property abuts Ontario Road. The lot is fairly level in the area that will be developed. The remainder of the lot slopes fairly steeply from the Northeast to the Southwest
 - B. Site Accessibility:
 - The site is accessible by vehicular traffic from Ontario Road.
 - C. Length of Public Road Frontage:
 - The site has 850' of public road frontage along Ontario Road.
- Pattern and Density of Vegetative Cover:
 - The existing lot is a gravel lot in the area that will be developed and mostly tree covered for the remainder of the lot.
- Business Areas:
 - The subject property is adjoined by residences and a vacant commercial building.
- Playgrounds:
 - None.
- Main Traffic Arteries:
 - Cokeburg Road (PA-917)
- Elementary and High Schools:
 - None.
- Street Improvements:
 - None.
- Reservations:
 - None.
- Land Which is Subject to Flooding, Subsidence, or Underground Fires:
 - The subject property does not reside in a flood zone.
- Development is Owned and Operated By:
 - Laid out by: North Bethlehem Township
 2178 East National Pike, P.O. Box 112
 Scenery Hill, PA 15360
 - Area: 18.4 Acres
 Deed Reference: DB 1064 PG 0482
 Map Reference: 490-014-00-00-0003-00

EROSION & SEDIMENTATION AND STORMWATER CONTROL

- Approximately 20,000 SF of earth disturbance is proposed. No NPDES plan is required.
- A soil erosion and sedimentation control plan review by Washington County Conservation District is not required. An erosion and sedimentation control plan will be kept on site.
- No increase in DIA is proposed. A stormwater management plan is not required.

LEGEND

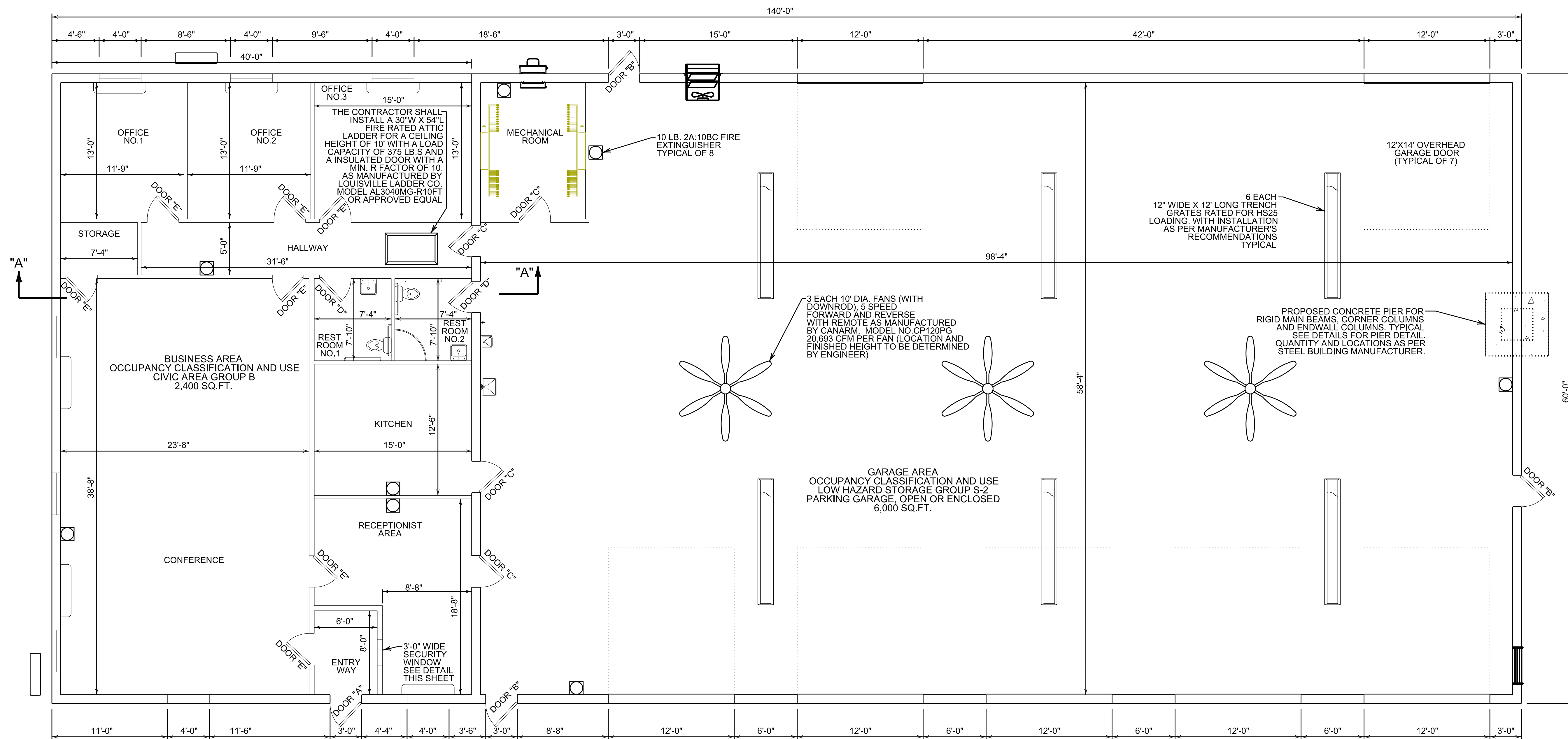
PROPOSED BUILDING	
EXISTING CONTOUR	940
PROPERTY BOUNDARY	
UTILITY POLE	
WATER LINE	
GAS LINE	
OVERHEAD ELECTRIC	
TREE LINE	

FIELD BOOK No.:	
PROJECT No.:	24808
DRAWN: VJE	CHECKED: KLB
DATE:	APRIL 2026

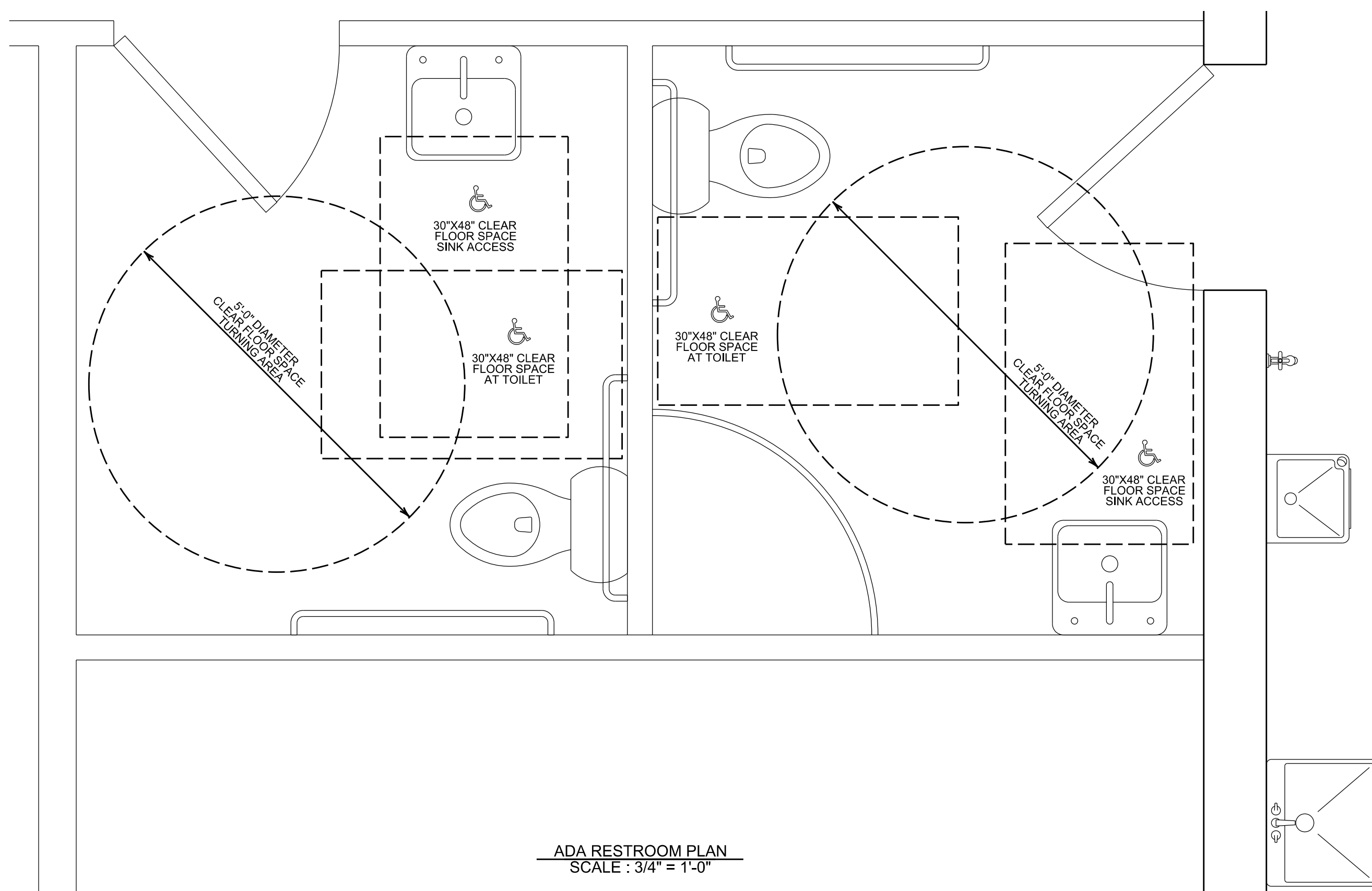
REVISION		
No.	DATE	DESCRIPTION
X	MMDDYY	

DRAWING NUMBER	24808-01
SHEET NUMBER	

REVISION	
No.	DESCRIPTION



FLOOR PLAN
 SCALE: 3/16" = 1'-0"



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

FLOOR FINISH SCHEDULE:
 CONFERENCE AND RECEPTION - VINYL TILE
 KITCHEN, RESTROOMS, STORAGE, HALL, OFFICES - CONCRETE W/ EPOXY

NOTES ON RESTROOM FINISH:
 AS PER 2021 IBC
 SEC. 1209.2.1 FLOORS AND WALL BASES.
 RESTROOM FLOORS AND WALLS SHALL HAVE A SMOOTH HARD NONABSORBENT SURFACE.
 THE INTERSECTIONS OF SUCH FLOORS WITH WALLS SHALL HAVE A SMOOTH, HARD, NONABSORBENT VERTICAL BASE THAT EXTENDS UPWARD ONTO WALL NOT LESS THAN 4 INCHES.

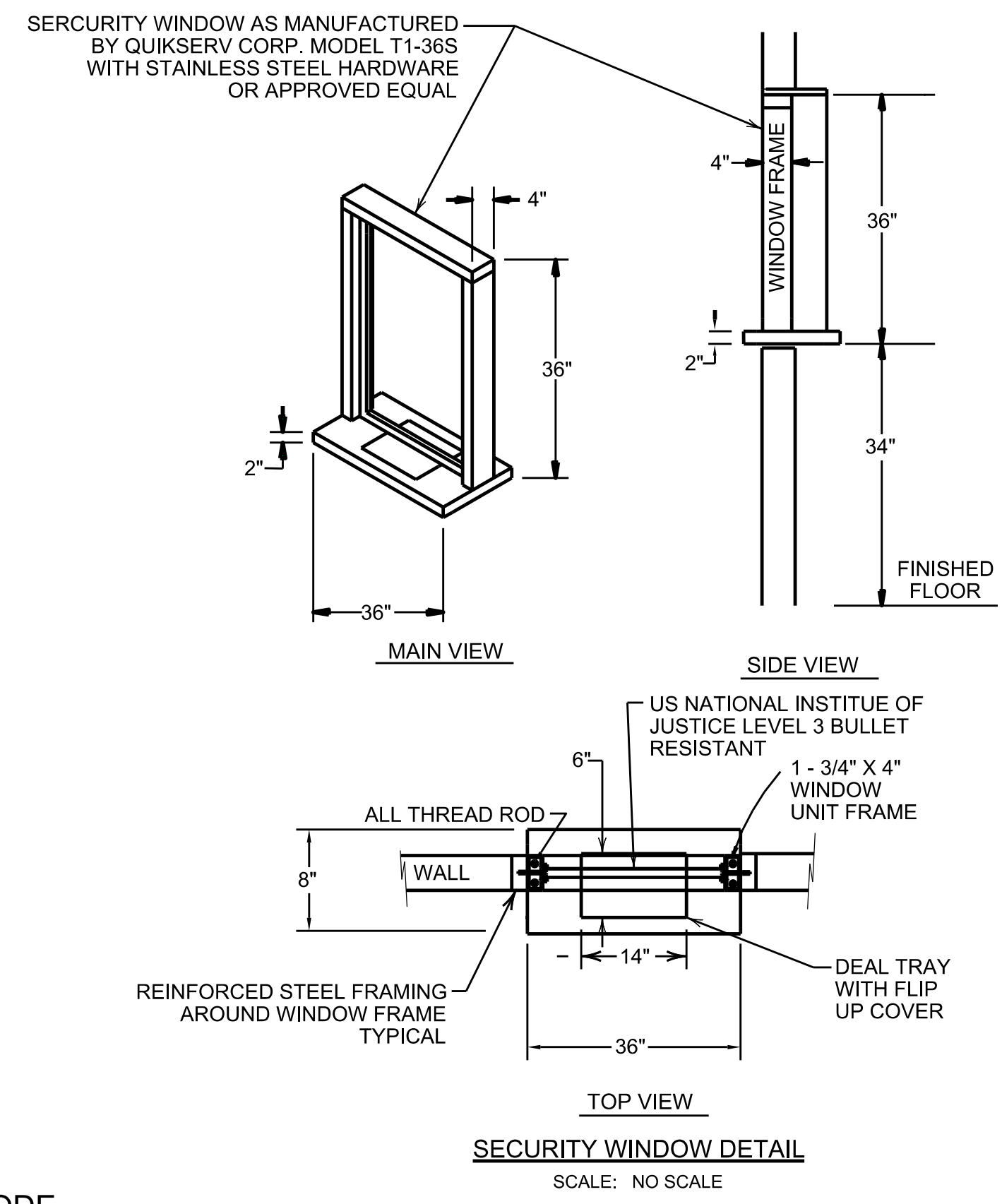
SEC. 1209.2.2 WALLS AND PARTITIONS.
 WALLS AND PARTITIONS WITHIN 2 FEET OF SERVICE SINKS, URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF NOT LESS THAN 4 FEET ABOVE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE.

NOTE:
 THERE SHALL BE NO COMMERCIAL VEHICLES OCCUPYING THIS BUILDING

NOTE:
 PROPOSED 60'-0" X 140'-0" PRE MANUFACTURED STEEL BUILDING. STEEL BUILDING MANUFACTURER IS REQUIRED TO SUBMIT CERTIFIED STAMPED ENGINEERING DRAWINGS FOR STRUCTURAL DESIGN. DESIGN TO MEET 2021 INTERNATIONAL BUILDING CODE. WIND BRACING AS PER 2021 INTERNATIONAL BUILDING CODE

CODE COMPLIANCE NOTES:

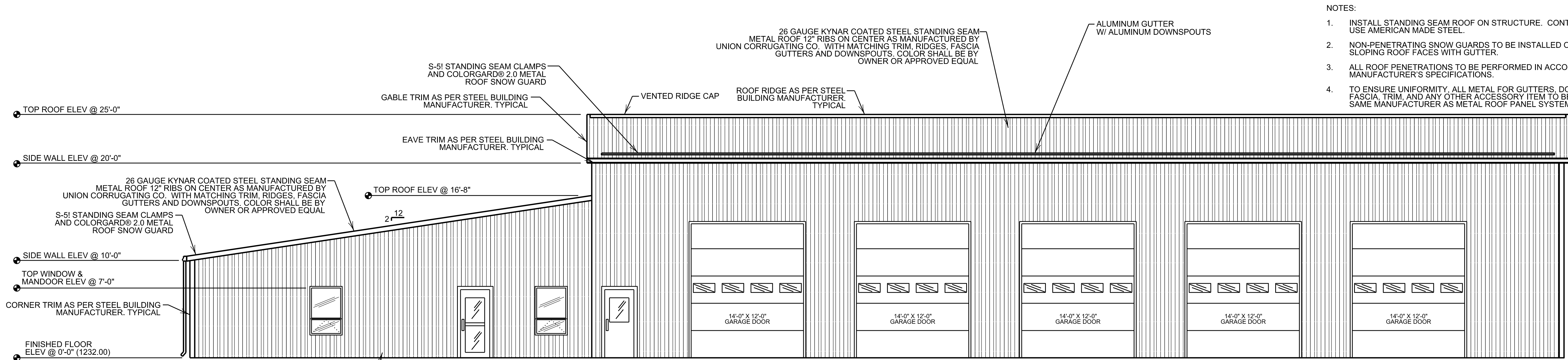
- 1.) BUILDING AND RESTROOMS COMPLIES WITH ICC/ANSI A117.1-2009
- 2.) BUILDING COMPLIES WITH THE 2021 INTERNATIONAL BUILDING CODE
- 3.) PLUMBING COMPLIES WITH THE 2021 INTERNATIONAL PLUMBING CODE
- 4.) ELECTRICAL COMPLIES WITH THE 2021 INTERNATIONAL ELECTRICAL CODE
- 5.) MECHANICAL COMPLIES WITH THE 2021 INTERNATIONAL MECHANICAL CODE



SECURITY WINDOW DETAIL
 SCALE: NO SCALE

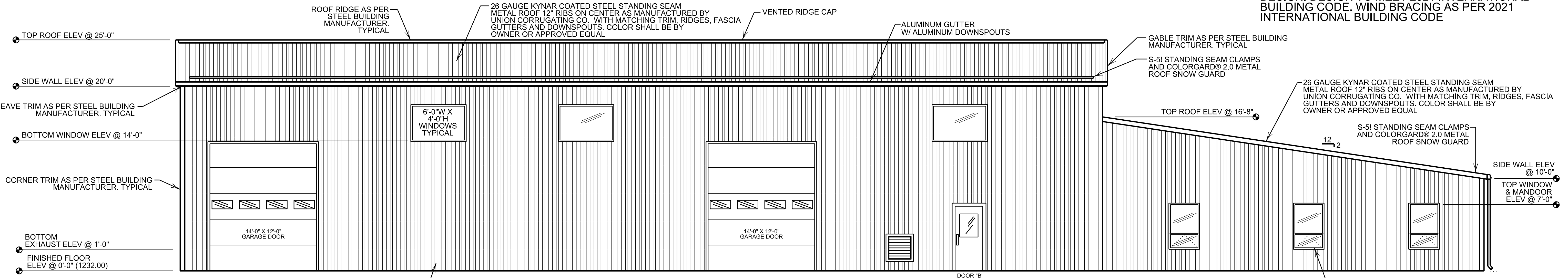
REVISION	
No.	DESCRIPTION
X	MMDDYY

- NOTES:
1. INSTALL STANDING SEAM ROOF ON STRUCTURE. CONTRACTOR MUST USE AMERICAN MADE STEEL.
 2. NON-PENETRATING SNOW GUARDS TO BE INSTALLED ON ALL DOWNWARD SLOPING ROOF FACES WITH GUTTER.
 3. ALL ROOF PENETRATIONS TO BE PERFORMED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
 4. TO ENSURE UNIFORMITY, ALL METAL FOR GUTTERS, DOWNSPOUTS, FASCIA, TRIM, AND ANY OTHER ACCESSORY ITEM TO BE SOURCED FROM SAME MANUFACTURER AS METAL ROOF PANEL SYSTEM.

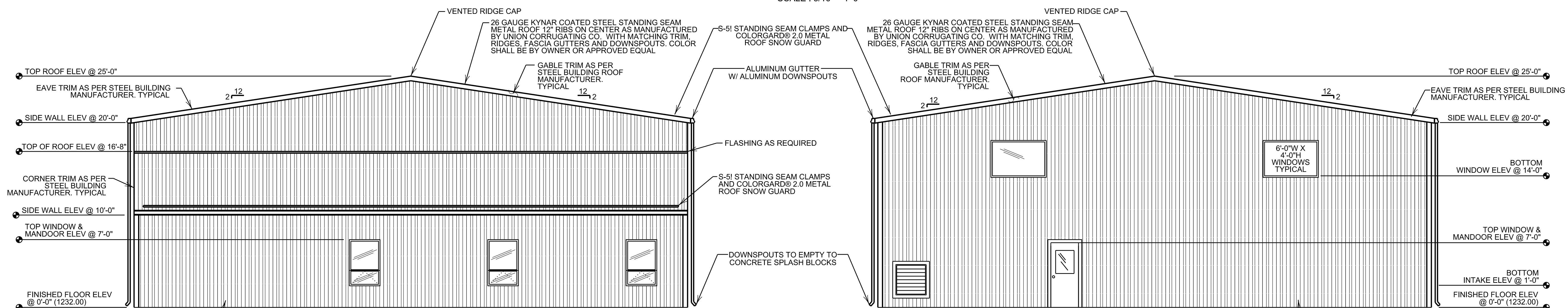


FRONT ELEVATION VIEW
 SCALE : 3/16" = 1'-0"

NOTE:
 PROPOSED 60'-0" X 140'-0" PRE MANUFACTURED STEEL BUILDING. STEEL BUILDING MANUFACTURER IS REQUIRED TO SUBMIT CERTIFIED STAMPED ENGINEERING DRAWINGS FOR STRUCTURAL DESIGN. DESIGN TO MEET 2021 INTERNATIONAL BUILDING CODE. WIND BRACING AS PER 2021 INTERNATIONAL BUILDING CODE



REAR ELEVATION VIEW
 SCALE : 3/16" = 1'-0"



LEFT SIDE ELEVATION VIEW
 SCALE : 3/16" = 1'-0"

RIGHT SIDE ELEVATION VIEW
 SCALE : 3/16" = 1'-0"

- CODE COMPLIANCE NOTES:
- 1.) BUILDING AND RESTROOMS COMPLIES WITH ICC/ANSI A117.1-2009
 - 2.) BUILDING COMPLIES WITH THE 2021 INTERNATIONAL BUILDING CODE
 - 3.) PLUMBING COMPLIES WITH THE 2021 INTERNATIONAL PLUMBING CODE
 - 4.) ELECTRICAL COMPLIES WITH THE NATIONAL ELECTRICAL CODE
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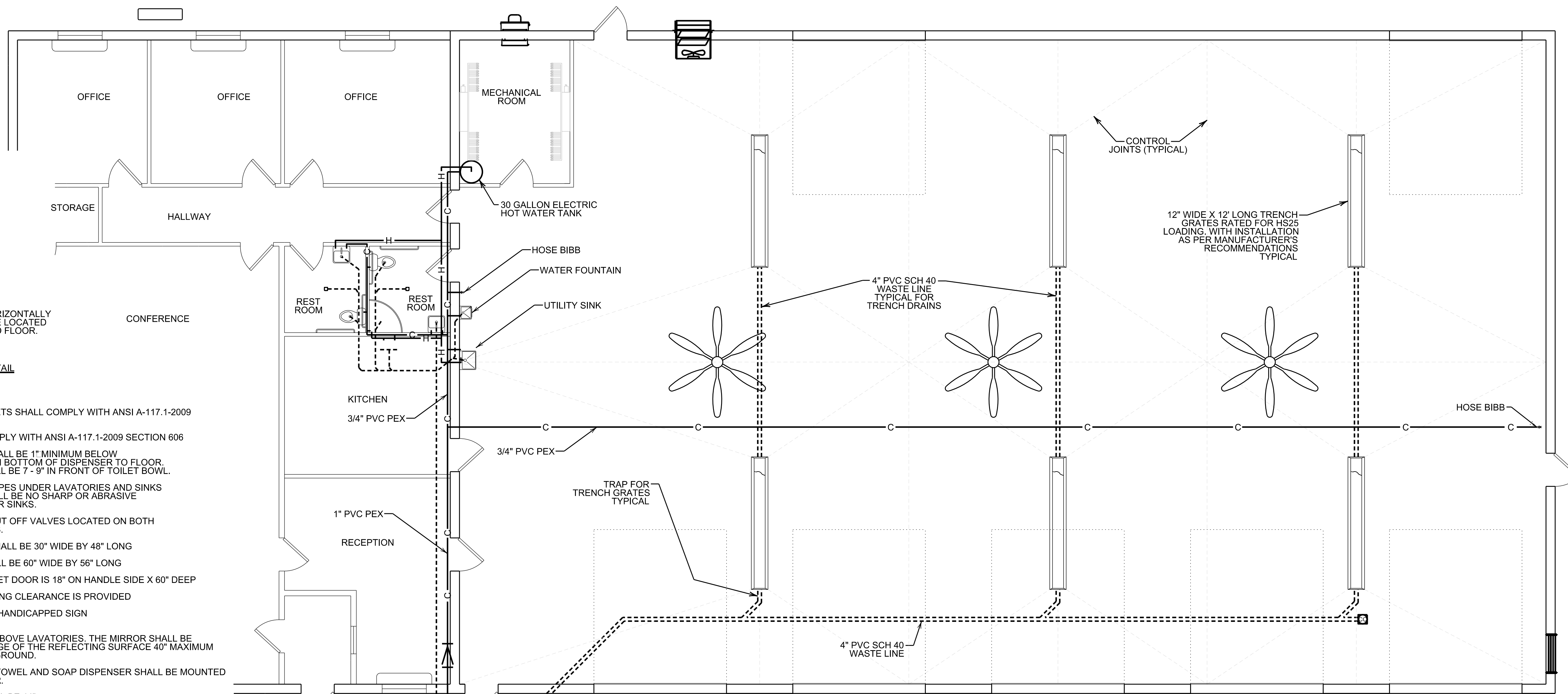


NOTE: SIGN TO BE CENTERED HORIZONTALLY ON DOOR. BOTTOM OF SIGN TO BE LOCATED 48" MIN TO 60" MAX FROM FINISHED FLOOR.

ADA RESTROOM SIGN DETAIL
 SCALE: NONE

NOTES:

- GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH ANSI A-117.1-2009 SECTIONS 604.5 AND 609
- LAVATORIES/SINKS SHALL COMPLY WITH ANSI A-117.1-2009 SECTION 606
- TOILET PAPER DISPENSERS SHALL BE 1" MINIMUM BELOW GRAB BAR AND 15" MINIMUM FROM BOTTOM OF DISPENSER TO FLOOR. CENTER LINE OF DISPENSER SHALL BE 7 - 9" IN FRONT OF TOILET BOWL.
- WATER SUPPLY AND DRAINS UNDER LAVATORIES AND SINKS SHALL BE INSULATED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES OR SINKS.
- ALL FIXTURES SHALL HAVE SHUT OFF VALVES LOCATED ON BOTH THE HOT AND COLD SUPPLY LINES.
- CLEARANCE FOR SINK AREA SHALL BE 30" WIDE BY 48" LONG
- CLEARANCE FOR TOILETS SHALL BE 60" WIDE BY 56" LONG
- CLEARANCE FOR WATER CLOSET DOOR IS 18" ON HANDLE SIDE X 60" DEEP
- MINIMUM 5'-0" DIAMETER TURNING CLEARANCE IS PROVIDED
- ADA RESTROOM SHALL HAVE HANDICAPPED SIGN MEETING ANSI A117 SECTION 703
- MIRROR SHALL BE LOCATED ABOVE LAVATORIES. THE MIRROR SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40" MAXIMUM ABOVE THE FINISHED FLOOR OR GROUND.
- OPERABLE PARTS OF PAPER TOWEL AND SOAP DISPENSER SHALL BE MOUNTED 44" TO 48" ABOVE FINISHED FLOOR.
- TRASH CAN MAX HEIGHT SHALL BE 44"



CODE COMPLIANCE NOTES:

- BUILDING AND RESTROOMS COMPLIES WITH ICC/ANSI A117.1-2009
- BUILDING COMPLIES WITH THE 2021 INTERNATIONAL BUILDING CODE
- PLUMBING COMPLIES WITH THE 2021 INTERNATIONAL PLUMBING CODE
- ELECTRICAL COMPLIES WITH THE NATIONAL ELECTRICAL CODE
- MECHANICAL COMPLIES WITH THE 2021 INTERNATIONAL MECHANICAL CODE

FLOOR PLAN
 SCALE: 3/16" = 1'-0"

PLUMBING FIXTURE SCHEDULE					
ROOM	FIXTURE	MODEL	QUANTITY	DESCRIPTION	HGT. ABOVE FLOOR
REST ROOMS	SINK & FAUCET	AMER. STAND. 0355.012.020 WHITE & FAUCET - KOHLER OR EQUAL	2	WALL HUNG	PER MANUFACTURER
	ADA TOILET	AMER. STAND. 3043001.020 WHITE	2	FLOOR MTD.	ADA REQUIREMENTS
	TOILET SEAT	AMER. STAND. 5901100.020 WHITE	2	FIXTURE MTD.	PER MANUFACTURER
	SHOWER	5.7 GPM OR LESS	1	FIXTURE MTD.	PER MANUFACTURER

NOTES ON RESTROOM FINISH:

AS PER 2021 IBC
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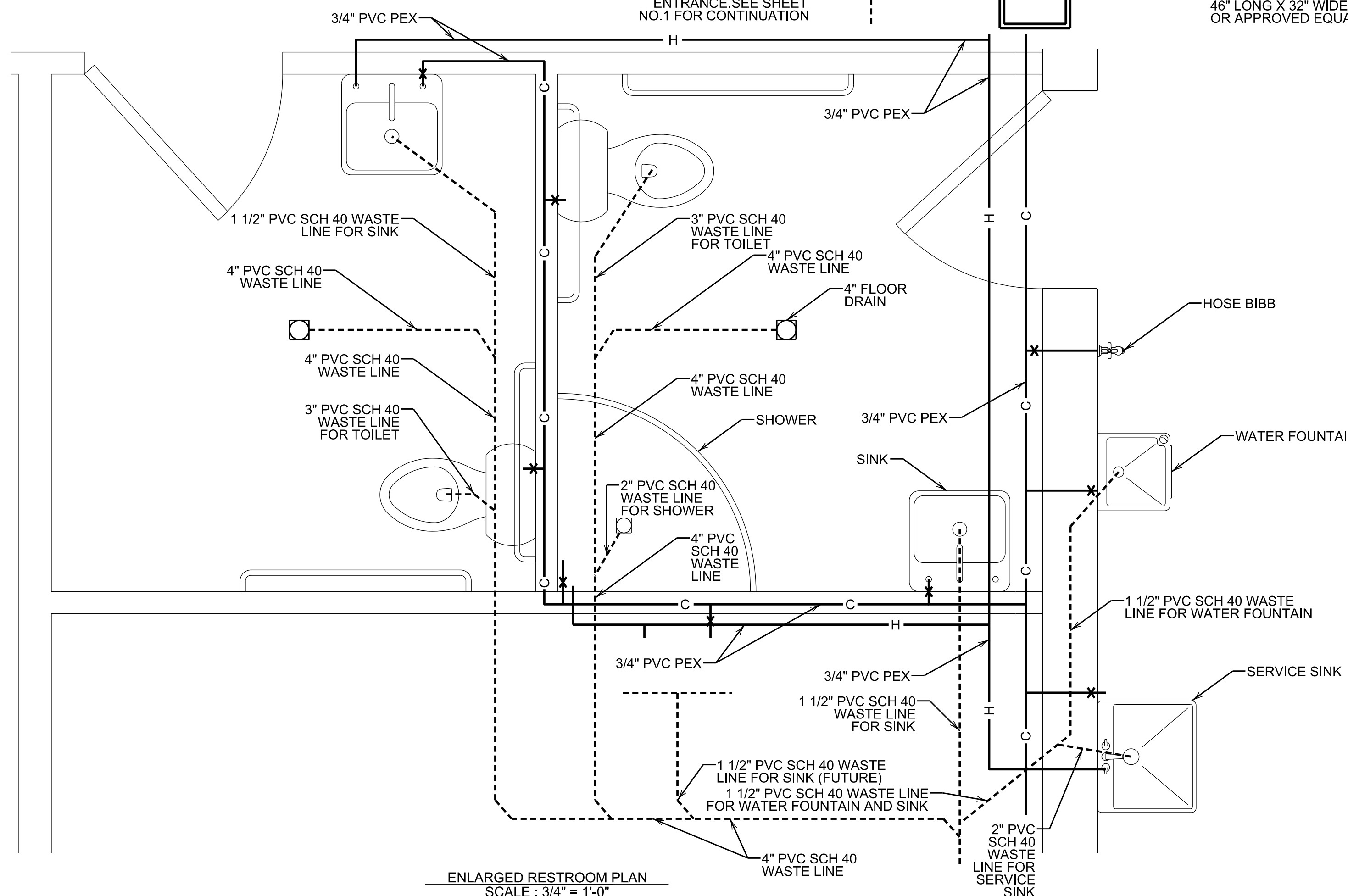
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NOTES:

- CONTRACTOR SHALL PROVIDE TRAP FOR ALL PROPOSED FLOOR DRAINS AND TRENCH DRAINS.
- ALL FIXTURES TO BE VENTED AS PER 2021 INTERNATIONAL PLUMBING CODE
- SIZES OF WATER SUPPLY LINES SHALL BE AS FOLLOWS:
 - MAIN COLD SUPPLY LINE SHALL BE 1"
 - TO TOILET 3/4"
 - TO HOSE BIBBS 3/4"
 - TO SINK FAUCETS, 1/2"
 - TO HOT WATER TANK, 3/4"
 - TO SHOWER, 3/4"
- CONTRACTOR SHALL SUPPLY AND INSTALL ALL PIPING FOR VENTS AND RUBBER BOOTS/FLASHING AS REQUIRED FOR A WATERTIGHT FINISH.
- ALL PROPANE/GAS LINES INSTALLED IN BUILDING SHALL BE BLACK STEEL SCH 40 PIPE.
- DIELECTRIC UNIONS SHALL BE SUPPLIED AND FURNISHED BY CONTRACTOR AT ANY LOCATION WHERE DISSIMILAR METALS SHALL BE CONNECTED.
- ALL PROPANE/GAS PIPING SHALL COMPLY WITH THE 2021 INTERNATIONAL BUILDING CODE AND THE NATIONAL FIRE PROTECTION AGENCY

SYMBOL LEGEND

	POTABLE COLD WATER LINE (PVC PEX, UNLESS NOTED OTHERWISE)
	POTABLE HOT WATER LINE (PVC PEX, UNLESS NOTED OTHERWISE)
	WASTE LINE (PVC SCH 40, UNLESS OTHERWISE NOTED)
	NATURAL GAS LINE (BLACK STEEL SCH 40 PIPE, UNLESS NOTED OTHERWISE)
	GATE VALVE, BALL VALVE, ETC. (REQUIRED ON ALL BRANCH LINES)
	COMBINATION BACK FLOW PREVENTER & PRESSURE REGULATOR
	HOT WATER TANK
	FLOOR DRAIN W/ TRAP ZURN MODEL #ZB-520 AND INLINE FLOOR DRAIN TRAP SEALER AS MANUFACTURED BY SURE-SEAL MAUFACTURING MODEL SS4009
	CLEANOUT



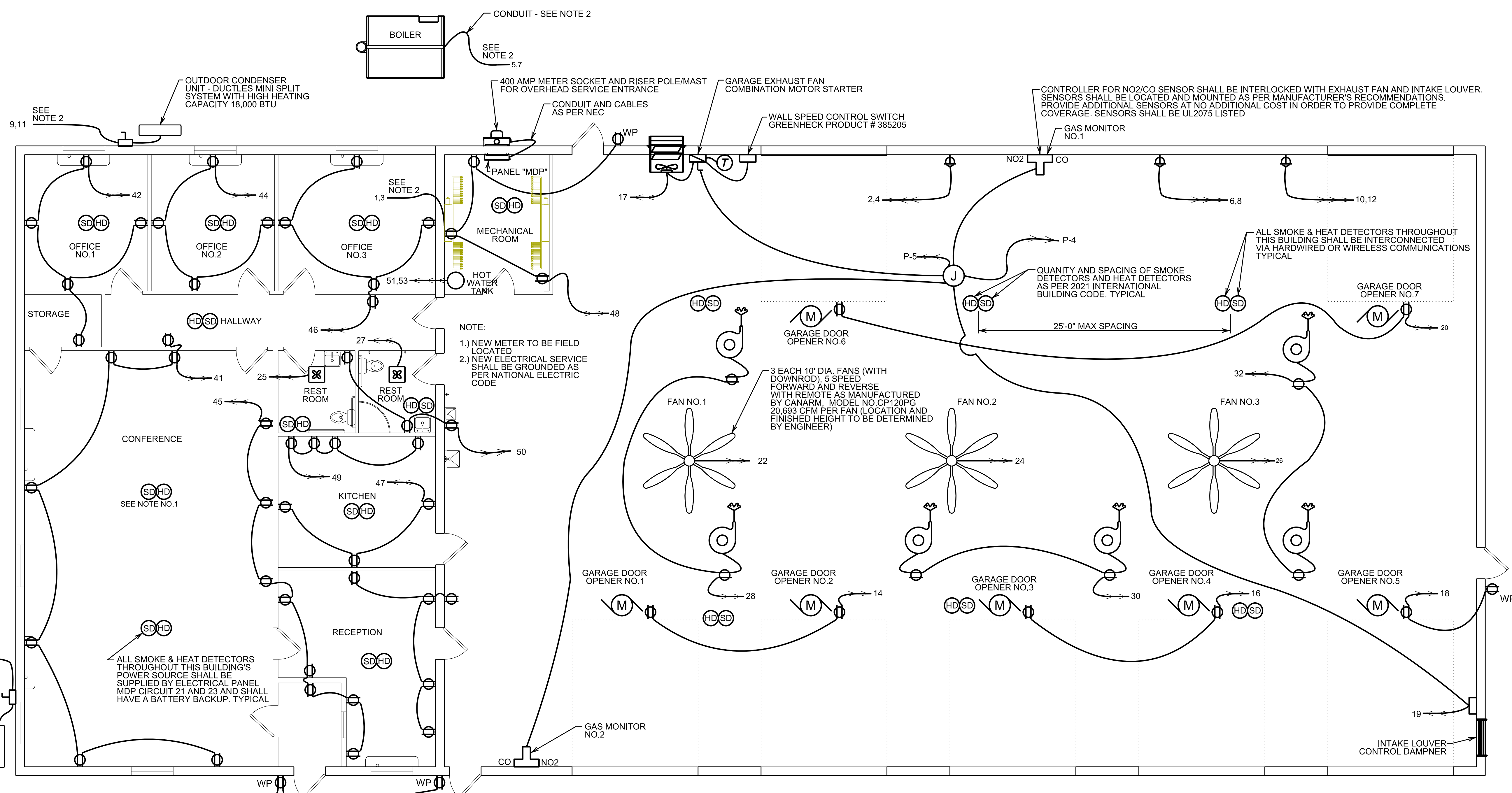
ENLARGED RESTROOM PLAN
 SCALE: 3/4" = 1'-0"

FIELD BOOK No.:
 PROJECT No.: 24808
 DRAWN: JDS [CHECKED: KLB]
 DATE: MARCH 2026

REVISION		
No.	DATE	DESCRIPTION

DRAWING NUMBER
24808-04
 SHEET NUMBER

REVISION	
No.	DESCRIPTION



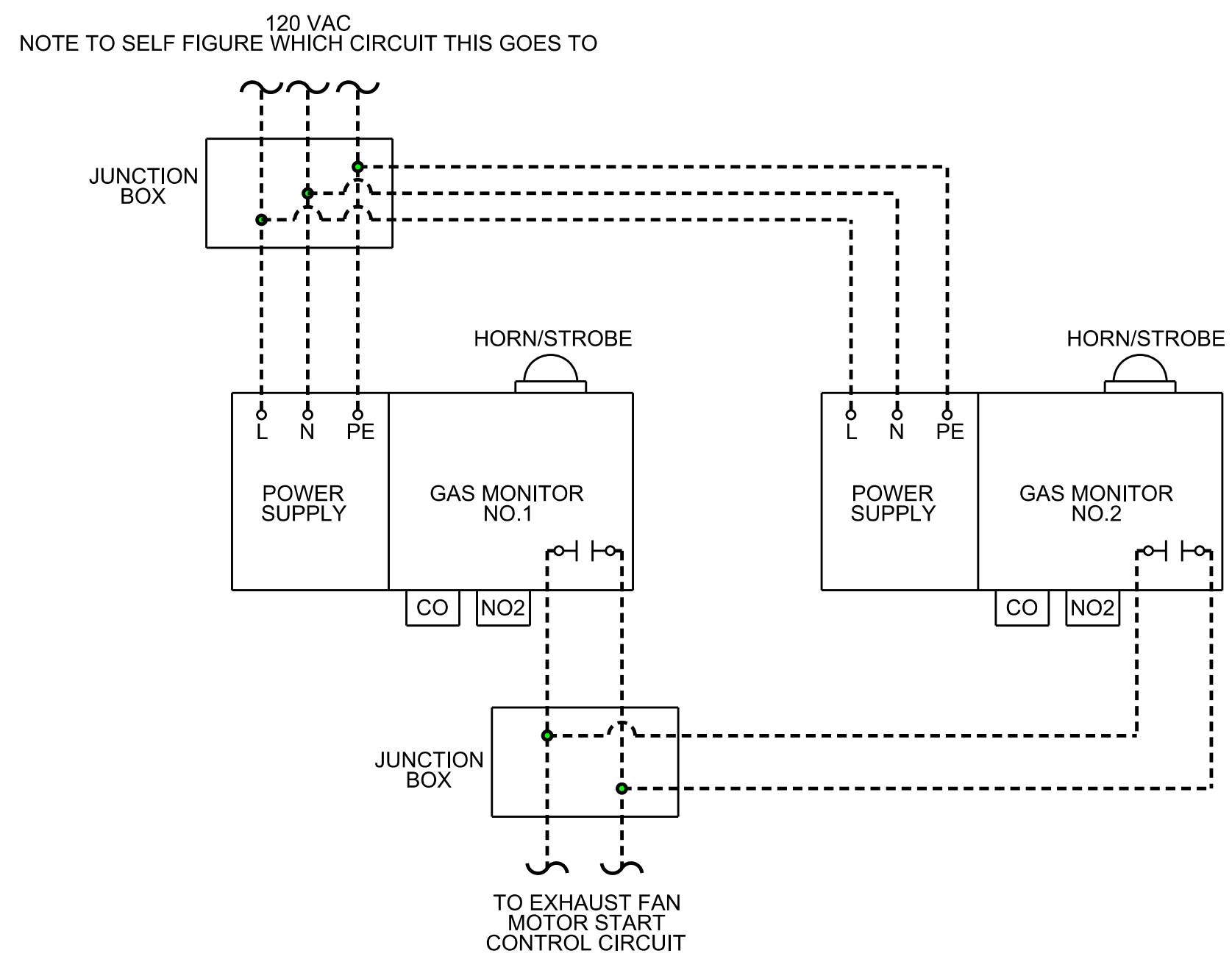
ELECTRICAL PLAN
 SCALE: 3/16" = 1'-0"

SYMBOL LIST (LIGHTING)	
SYMBOL	DESCRIPTION
	DUAL TECHNOLOGY AUTOMATIC WALL BOX STYLE OCCUPANCY SENSOR
	LIGHT SWITCH
	3 WAY LIGHT SWITCH
	4 WAY LIGHT SWITCH
	EXIT SIGN EMERGENCY LIGHT COMBINATION - SURE-LITE LPXH-7-O-R-WH-DH-LPX/HWH
	EMERGENCY LIGHT - SURE-LITE CU2
	REMOTE EMERGENCY HEAD - SURE-LITE SEL25SD
	50 WATT 2'x4' LED SURFACE MOUNTED LIGHT, ILLUMINANCE: - OFFICE NO.1 & NO.2 = 47 FOOT CANDLES, 0.65 WT./SQ. FT. @ 2.5' WP - OFFICE NO.3 = 59 FOOT CANDLES, 0.77 WT./SQ. FT. @ 2.5' WP - STORAGE ROOM = 59 FOOT CANDLES, 0.056 WT./SQ. FT. - CONFERENCE ROOM = 46 FOOT CANDLES, 0.43 WT./SQ. FT. @ 2.5' WP - RECEPTIONIST AREA = 47 FOOT CANDLES, 0.68 WT./SQ. FT. @ 2.5' WP - KITCHEN = 61 FOOT CANDLES, 0.80 WT./SQ. FT. @ 2.5' WP - MECHANICAL ROOM = 47 FOOT CANDLES, 0.65 WT./SQ. FT. @ 2.5' WP
	85 WATT 2'x4' LED SURFACE MOUNTED LIGHT, ILLUMINANCE: - WOMEN'S RESTROOM = 60 FOOT CANDLES, 0.64 WT./SQ. FT. - MEN'S RESTROOM = 60 FOOT CANDLES, 0.64 WT./SQ. FT.
	150 WATT LED (22,000 LUMENS) UFO HIGH BAY LIGHT ILLUMINANCE: GARAGE AREA = 56 FOOT CANDLES, 0.38 WT./SQ. FT. (WHEN LIGHTS ARE MOUNTED 20' ABOVE FLOOR)
	54 WATT LED WET RATED LIGHT
	250 WATT EQUIVALENT LED WALL PACK LIGHT WITH INTEGRAL PHOTOCELL
	22 WATT LED WET RATED LIGHT WITH INTEGRAL PHOTOCELL

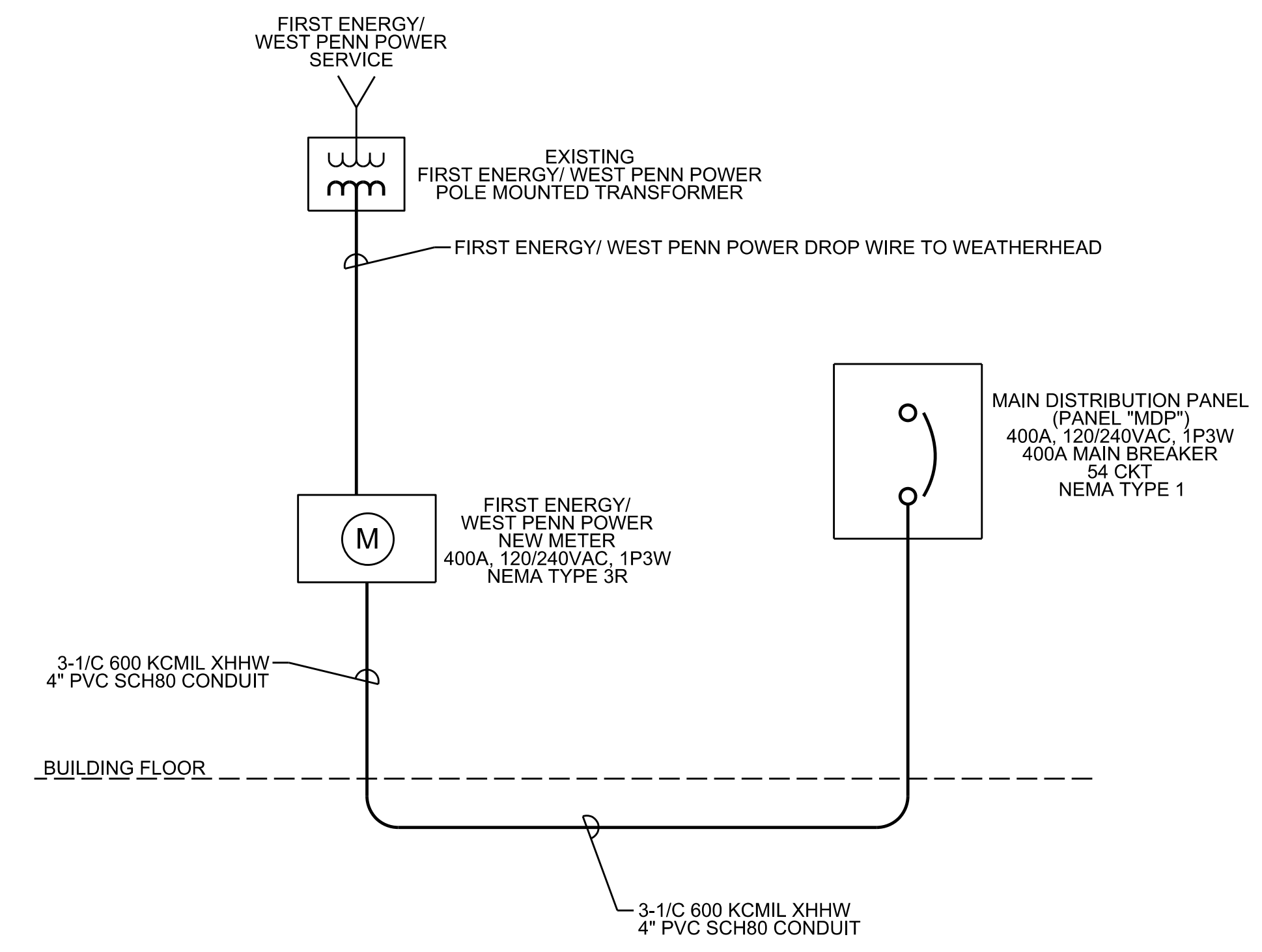
SYMBOL LIST (ELECTRICAL)	
	PANELBOARD, TOP OF PANEL AT 6'-6" AFF.
	NEW METER BY FIRST ENERGY
	EXHAUST FAN GREENHECK MODEL SP-B150
	20 AMP 120V DUPLEX RECEPTACLE IN A CAST BOX WITH A WEATHERPROOF "IN-USE" STYLE COVER MOUNTED 42" AFF.
	20 AMP 120V DUPLEX RECEPTACLE
	30 AMP 240V RECEPTACLE IN A CAST BOX WITH A WEATHERPROOF "IN-USE" STYLE COVER MOUNTED 42" AFF.
	30 AMP 240V RECEPTACLE
	NON-FUSED DISCONNECT SWITCH.
	MOTOR
	RETRACTABLE EXTENSION CORD REEL WITH 65 FEET OF 12/3 CORD AND QUAD TAP RECEPTACLES AS MANUFACTURED BY PRO-REEL MODEL NO. 8665TFQ OR APPROVED EQUAL
	HOMERUN 2#14 AND 1#14G
	HOMERUN 2#12 AND 1#12G
	HOMERUN 2#10 AND 1#10
	SMOKE DETECTOR
	HEAT DETECTOR

- NOTES:**
- 1.) ALL ELECTRICAL AND LIGHTING WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE
 - 2.) FOLLOW EQUIPMENT MANUFACTURER'S ELECTRICAL REQUIREMENTS AND RECOMMENDATIONS
 - 3.) ALL WORK SHALL COMPLY WITH THE 2021 INTERNATIONAL BUILDING CODE
 - 4.) OUTDOOR OUTLETS AND OUTLETS NEAR WATER SOURCES ARE ON GFCI BREAKERS
 - 5.) NO ELECTRICAL CONDUIT SHALL BE EXPOSED ON ANY WALLS OR CEILINGS (EXCEPT FOR GARAGE AREA)
 - 6.) EXPOSED ELECTRICAL CONDUCTORS SHALL BE ENCLOSED IN GALVANIZED RIGID CONDUIT IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), RIGID STEEL CONDUIT SHALL BE MILD STEEL, MANUFACTURED, HOT DIP GALVANIZED.
 - 7.) SMOKE DETECTORS SHALL UTILIZE BOTH IONIZATION AND PHOTOELECTRIC SENSOR TECHNOLOGIES. HEAT DETECTORS SHALL ALARM FOR TEMPERATURES ABOVE 135°F. BOTH SMOKE DETECTORS AND HEAT DETECTORS SHALL BE ABLE TO BE INTERCONNECTED IN A MULTIPLE STATION ARRANGEMENT AND BE POWERED FROM 120 VAC, 60HZ ALONG WITH A STANDARD 9VDC BACKUP BATTERY SOURCE IN EACH DETECTOR. AT EACH NOTED LOCATION, MOUNT THE DETECTOR AT THE CEILING LEVEL. SMOKE DETECTORS SHALL BE KIDDE MODEL P12010. HEAT DETECTORS SHALL BE KIDDE MODEL HD135F. WIRE THE DETECTORS PER NEC.
 - 8.) THE CONTRACTOR SHALL FURNISH AND INSTALL TWO STANDALONE GAS DETECTION CONTROLLERS AS MANUFACTURED BY INTEC CONTROLS - INTEC POLYGARD 2 MODEL SG6/SYS-P2WLEDP120VAC-24VDC OR APPROVED EQUAL, EACH COMPLETE WITH THE FOLLOWING:
 120VAC POWER SUPPLY
 CO SENSOR
 NO2 SENSOR
 COMBINATION HORN/STROBE
 TWO SPDT ALARM RELAYS
 THE CONTRACTOR SHALL MOUNT EACH CONTROLLER AS PER MANUFACTURER'S RECOMMENDATIONS. INTERLOCK EACH GAS DETECTION CONTROLLER INTO THE GARAGE EXHAUST FAN CONTROL CIRCUIT TO START THE EXHAUST FAN WHEN THE ALARM THRESHOLD IS EXCEEDED. ENLIST THE SERVICES OF A FACTORY REPRESENTATIVE TO COMPLETE THE START-UP AND COMMISSIONING OF EACH CONTROLLER.
 - 9.) EMERGENCY LIGHTING SHALL NOT BE ENERGIZED BY ANY LIGHT SWITCHES.
 - 10.) ALL LIGHTING ON THIS PROJECT SHALL BE LED.

- CODE COMPLIANCE NOTES:**
- 1.) BUILDING AND RESTROOMS COMPLIES WITH ICC/ANSI A117.1-2009
 - 2.) BUILDING COMPLIES WITH THE 2021 INTERNATIONAL BUILDING CODE
 - 3.) PLUMBING COMPLIES WITH THE 2021 INTERNATIONAL PLUMBING CODE
 - 4.) ELECTRICAL COMPLIES WITH THE NATIONAL ELECTRICAL CODE
 - 5.) MECHANICAL COMPLIES WITH THE 2021 INTERNATIONAL MECHANICAL CODE



GAS MONITORS SCHEMATIC
SCALE: NONE

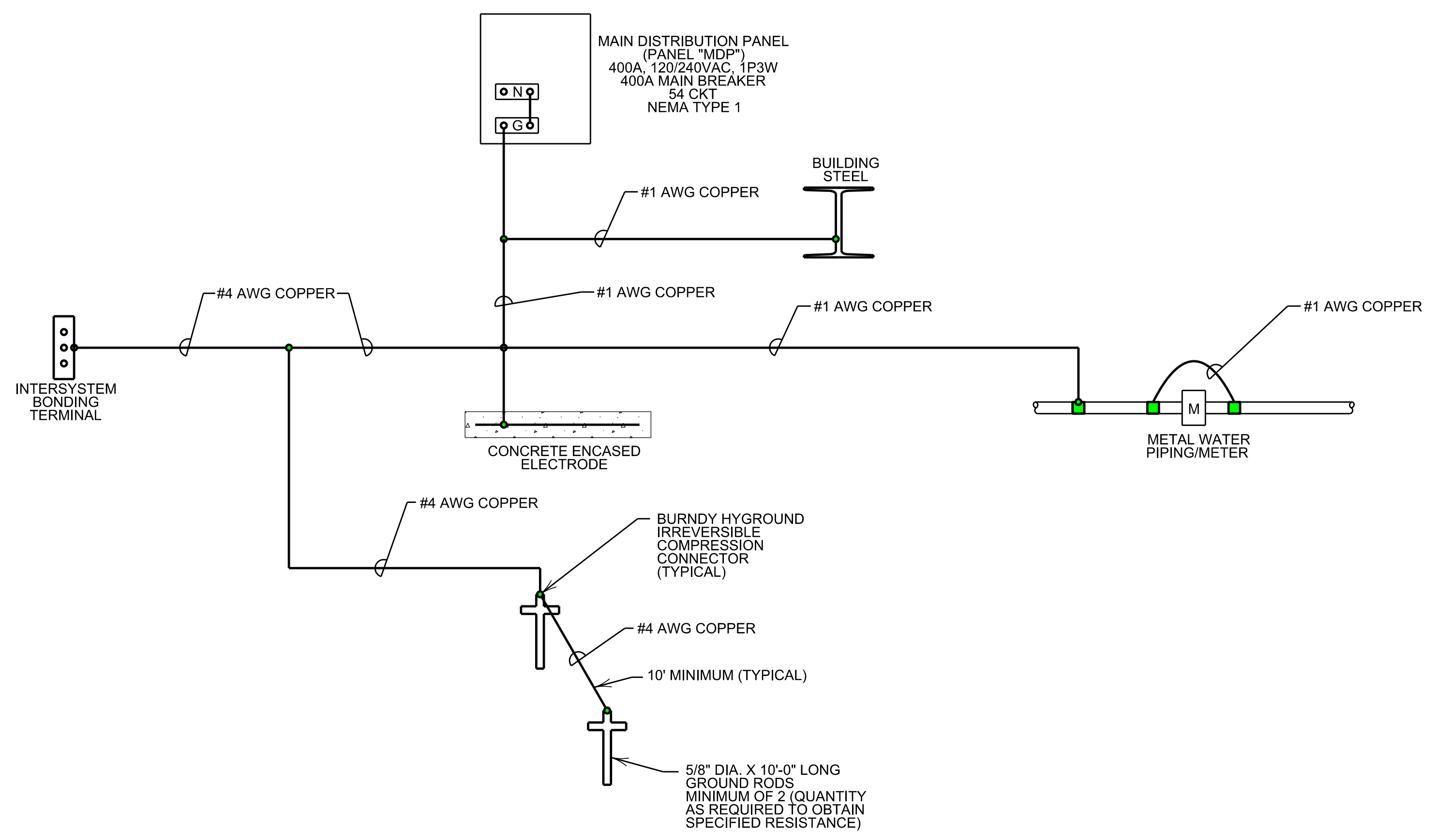


SINGLE LINE DIAGRAM
SCALE: NONE

PANELBOARD "MDP" 400 AMP 54 CIRCUIT/SPACE							
DESCRIPTION	BREAKER SIZE	CIRCUIT NUMBER	PHASE A LOAD (KW)	PHASE B LOAD (KW)	CIRCUIT NUMBER	BREAKER SIZE	DESCRIPTION
HYDRONIC BOILER/PUMPS	SEE NOTE NO.2	1			2	40 AMP GFCI	RECEPTACLE (240 V)
		3			4		
HYDRONIC BOILER/PUMPS	SEE NOTE NO.2	5			6	40 AMP GFCI	RECEPTACLE (240 V)
		7			8		
1.5 TON AC/ HEATING UNIT (3 ZONE)	SEE NOTE NO.2	9			10	40 AMP GFCI	RECEPTACLE (240 V)
		11			12		
4 TON AC/ HEATING UNIT (4 ZONE)	SEE NOTE NO.2	13			14	20 AMP GFCI	GARAGE DOOR OPENER NO.1 & NO.2
		15			16		
GARAGE EXHAUST FAN	SEE NOTE NO.2	17			18	20 AMP GFCI	GARAGE DOOR OPENER NO.5
GARAGE INTAKE LOUVER	SEE NOTE NO.2	19			20	20 AMP GFCI	GARAGE DOOR OPENER NO.6 & NO.7
SMOKE/HEAT DETECTORS	20 AMP GFCI	21			22	20 AMP GFCI	OVERHEAD FAN NO.1
SMOKE/HEAT DETECTORS	20 AMP GFCI	23			24	20 AMP GFCI	OVERHEAD FAN NO.2
RESTROOM EXHAUST FAN & LIGHTS	20 AMP GFCI	25			26	20 AMP GFCI	OVERHEAD FAN NO.3
RESTROOM EXHAUST FAN & LIGHTS	20 AMP GFCI	27			28	30 AMP GFCI	OVERHEAD RECEPTACLE NO.1 (120 VOLT)
HIGH BAY GARAGE LIGHTS	20 AMP GFCI	29			30	30 AMP GFCI	OVERHEAD RECEPTACLE NO.2 (120 VOLT)
HIGH BAY GARAGE LIGHTS	20 AMP GFCI	31			32	30 AMP GFCI	OVERHEAD RECEPTACLE NO.3 (120 VOLT)
EXTERIOR LIGHTS	20 AMP GFCI	33			34	20 AMP	CONFERENCE ROOM LIGHTS
EXTERIOR LIGHTS	20 AMP GFCI	35			36	20 AMP	OFFICE NO.1 & STORAGE LIGHTS
OFFICE NO.2	20 AMP GFCI	37			38	20 AMP	KITCHEN/RECEPTIONIST/ ENTRYWAY LIGHTS
OFFICE NO.3	20 AMP GFCI	39			40	20 AMP	MECHANICAL ROOM/ HALLWAY LIGHTS
RECEPTACLES (120 VOLT)	20 AMP GFCI	41			42	20 AMP	RECEPTACLES (120 VOLT)
RECEPTACLES (120 VOLT)	20 AMP GFCI	43			44	20 AMP	RECEPTACLES (120 VOLT)
RECEPTACLES (120 VOLT)	20 AMP GFCI	45			46	20 AMP	RECEPTACLES (120 VOLT)
RECEPTACLES (120 VOLT)	20 AMP GFCI	47			48	20 AMP GFCI	RECEPTACLES (120 VOLT)
RECEPTACLES (120 VOLT)	20 AMP GFCI	49			50	20 AMP GFCI	RECEPTACLES (120 VOLT)
SPARE		51			52		SPARE
SPARE		53			54		SPARE
LOAD CENTER TOTAL BY PHASE (KW)					120/240 VOLT, SINGLE PHASE, THREE WIRE, 25 KAIC		
LOAD CENTER TOTAL CONNECTED LOAD (KW)			400 AMP MAIN CIRCUIT BREAKER				
LOAD CENTER TOTAL DEMAND LOAD (KW)			SURFACE MOUNTED				
LOAD CENTER CONNECTED LOAD (AMPS)			SERVICE ENTRANCE RATED				
LOAD CENTER DEMAND LOAD (AMPS)			LOCATION: AS SHOWN				

NOTES:

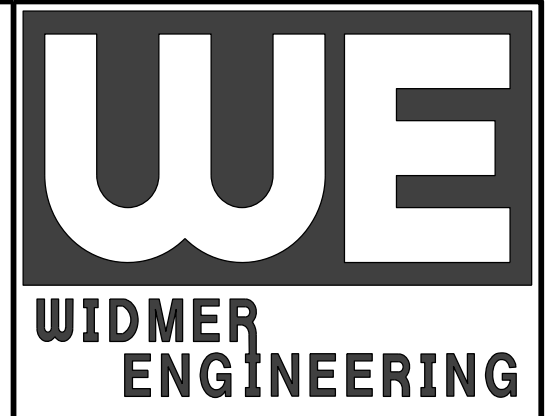
- 1.) ALL ELECTRICAL AND LIGHTING WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE
- 2.) FOLLOW EQUIPMENT MANUFACTURE'S ELECTRICAL EQUIPMENT AND RECOMMENDATIONS
- 3.) ALL WORK SHALL COMPLY WITH THE 2021 INTERNATIONAL BUILDING CODE
- 4.) OUTDOOR OUTLETS AND OUTLETS NEAR WATER SOURCES ARE ON GFCI BREAKERS



GROUNDING SINGLE LINE DIAGRAM
SCALE: NONE

CODE COMPLIANCE NOTES:

- 1.) BUILDING AND RESTROOMS COMPLIES WITH ICC/ANSI A117.1-2009
- 2.) BUILDING COMPLIES WITH THE 2021 INTERNATIONAL BUILDING CODE
- 3.) PLUMBING COMPLIES WITH THE 2021 INTERNATIONAL PLUMBING CODE
- 4.) ELECTRICAL COMPLIES WITH THE NATIONAL ELECTRICAL CODE
- 5.) MECHANICAL COMPLIES WITH THE 2021 INTERNATIONAL MECHANICAL CODE



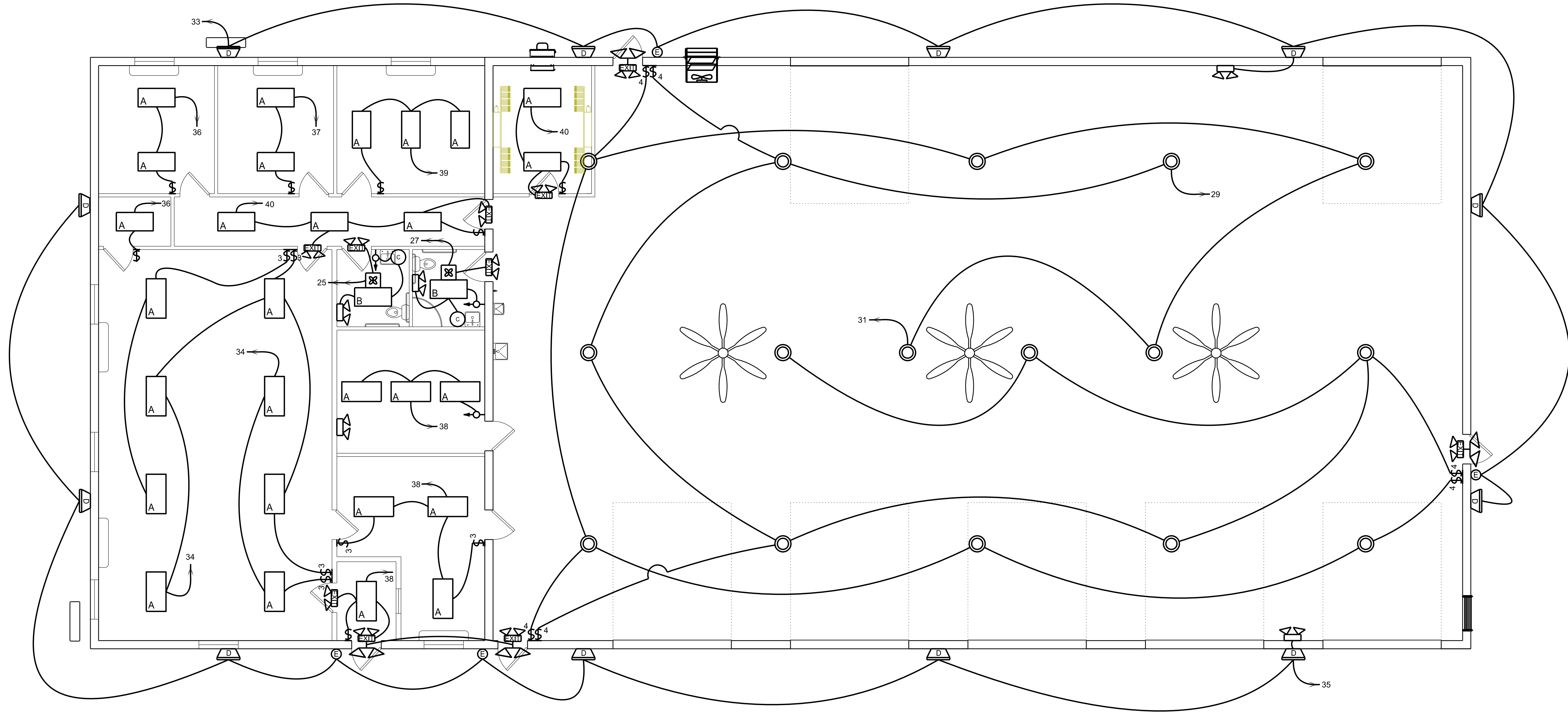
225 W. Crawford Ave.
Connellsville, PA 15425
Phone: (724) 626-1909
Fax: (724) 626-8509
connellsville@widmerengineering.com
www.widmerengineering.com

SEAL

NORTH BETHLEHEM TOWNSHIP
 MUNICIPAL BUILDING AND GARAGE
 WASHINGTON COUNTY
 PENNSYLVANIA
 ELECTRICAL PANEL AND DIAGRAMS

FIELD BOOK No.:		
PROJECT No.:	24808	
DRAWN: VJE	CHECKED: KLB	
DATE:	MAY 2026	
REVISION		
No.	DATE	DESCRIPTION

DRAWING NUMBER
24808-06
SHEET NUMBER
6 OF 12



LIGHTING PLAN
SCALE: 3/16" = 1'-0"

SYMBOL LIST (LIGHTING)

SYMBOL	DESCRIPTION
	DUAL TECHNOLOGY AUTOMATIC WALL BOX STYLE OCCUPANCY SENSOR
	LIGHT SWITCH
	3 WAY LIGHT SWITCH
	4 WAY LIGHT SWITCH
	EXIT SIGN EMERGENCY LIGHT COMBINATION - SURE-LITE LPXH-7-O-R-WH-DH-LPX/HWH
	EMERGENCY LIGHT - SURE-LITE CU2
	REMOTE EMERGENCY HEAD - SURE-LITE SEL25SD
	50 WATT 2'X4' LED SURFACE MOUNTED LIGHT, ILLUMINANCE: - OFFICE NO.1 & NO.2 = 47 FOOT CANDLES, 0.65 WT./SQ. FT. @ 2.5' WP - OFFICE NO.3 = 59 FOOT CANDLES, 0.77 WT./SQ. FT. @ 2.5' WP - STORAGE ROOM = 59 FOOT CANDLES, 0.0.56 WT./SQ. FT. - CONFERENCE ROOM = 46 FOOT CANDLES, 0.43 WT./SQ. FT. @ 2.5' WP - RECEPTIONIST AREA = 47 FOOT CANDLES, 0.66 WT./SQ. FT. @ 2.5' WP - KITCHEN = 61 FOOT CANDLES, 0.80 WT./SQ. FT. @ 2.5' WP - MECHANICAL ROOM = 47 FOOT CANDLES, 0.65 WT./SQ. FT. @ 2.5' WP
	85 WATT 2'X4' LED SURFACE MOUNTED LIGHT, ILLUMINANCE: - WOMEN'S RESTROOM = 60 FOOT CANDLES, 0.64 WT./SQ. FT. - MEN'S RESTROOM = 60 FOOT CANDLES, 0.64 WT./SQ. FT.
	150 WATT LED (22,000 LUMENS) UFO HIGH BAY LIGHT ILLUMINANCE: GARAGE AREA = 56 FOOT CANDLES, 0.38 WT./SQ. FT. (WHEN LIGHTS ARE MOUNTED 20' ABOVE FLOOR)
	54 WATT LED WET RATED LIGHT
	250 WATT EQUIVALENT LED WALL PACK LIGHT WITH INTEGRAL PHOTOCCELL
	22 WATT LED WET RATED LIGHT WITH INTEGRAL PHOTOCCELL

SYMBOL LIST (ELECTRICAL)

	PANELBOARD, TOP OF PANEL AT 6'-6" AFF.
	NEW METER BY FIRST ENERGY
	EXHAUST FAN GREENHECK MODEL SP-B150
	20 AMP 120V DUPLEX RECEPTACLE IN A CAST BOX WITH A WEATHERPROOF "IN-USE" STYLE COVER MOUNTED 42" AFF.
	20 AMP 120V DUPLEX RECEPTACLE
	30 AMP 240V RECEPTACLE IN A CAST BOX WITH A WEATHERPROOF "IN-USE" STYLE COVER MOUNTED 42" AFF.
	30 AMP 240V RECEPTACLE
	NON-FUSED DISCONNECT SWITCH.
	MOTOR
	RETRACTABLE EXTENSION CORD REEL WITH 65 FEET OF 12/3 CORD AND QUAD TAP RECEPTACLES AS MANUFACTURED BY PRO-REEL MODEL NO. 8665TFQ OR APPROVED EQUAL
	HOMERUN 2#14 AND 1#14G
	HOMERUN 2#12 AND 1#12G
	HOMERUN 2#8 AND 1#8G
	SMOKE DETECTOR
	HEAT DETECTOR

NOTES:

- 1.) ALL ELECTRICAL AND LIGHTING WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE
- 2.) FOLLOW EQUIPMENT MANUFACTURE'S ELECTRICAL REQUIREMENTS AND RECOMMENDATIONS
- 3.) ALL WORK SHALL COMPLY WITH THE 2021 INTERNATIONAL BUILDING CODE
- 4.) OUTDOOR OUTLETS AND OUTLETS NEAR WATER SOURCES ARE ON GFCI BREAKERS
- 5.) NO ELECTRICAL CONDUIT SHALL BE EXPOSED ON ANY WALLS OR CEILINGS (EXCEPT FOR GARAGE AREA)
- 6.) EXPOSED ELECTRICAL CONDUCTORS SHALL BE ENCLOSED IN GALVANIZED RIGID CONDUIT IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC). RIGID STEEL CONDUIT SHALL BE MILD STEEL, MANUFACTURED, HOT DIP GALVANIZED.
- 7.) SMOKE DETECTORS SHALL UTILIZE BOTH IONIZATION AND PHOTOELECTRIC SENSOR TECHNOLOGIES. HEAT DETECTORS SHALL ALARM FOR TEMPERATURES ABOVE 135°F. BOTH SMOKE DETECTORS AND HEAT DETECTORS SHALL BE ABLE TO BE INTERCONNECTED IN A MULTIPLE STATION ARRANGEMENT AND BE POWERED FROM 120 VAC, 60HZ ALONG WITH A STANDARD 9VDC BACKUP BATTERY SOURCE IN EACH DETECTOR. AT EACH NOTED LOCATION, MOUNT THE DETECTOR AT THE CEILING LEVEL. SMOKE DETECTORS SHALL BE KIDDE MODEL PI2010. HEAT DETECTORS SHALL BE KIDDE MODEL HD135F. WIRE THE DETECTORS PER NEC.
- 8.) THE CONTRACTOR SHALL FURNISH AND INSTALL TWO STANDALONE GAS DETECTION CONTROLLERS AS MANUFACTURED BY INTEC CONTROLS - INTEC POLYGARD 2 MODEL SGC6/SYS-P2WLEDP/120VAC-24VDC OR APPROVED EQUAL, EACH COMPLETE WITH THE FOLLOWING:
120VAC POWER SUPPLY
CO SENSOR
NO2 SENSOR
COMBINATION HORN/STROBE
TWO SPDT ALARM RELAYS
THE CONTRACTOR SHALL MOUNT EACH CONTROLLER AS PER MANUFACTURER'S RECOMMENDATIONS. INTERLOCK EACH GAS DETECTION CONTROLLER INTO THE GARAGE EXHAUST FAN CONTROL CIRCUIT TO START THE EXHAUST FAN WHEN THE ALARM THRESHOLD IS EXCEEDED. ENLIST THE SERVICES OF A FACTORY REPRESENTATIVE TO COMPLETE THE START-UP AND COMMISSIONING OF EACH CONTROLLER.
- 9.) EMERGENCY LIGHTING SHALL NOT BE ENERGIZED BY ANY LIGHT SWITCHES.
- 10.) ALL LIGHTING ON THIS PROJECT SHALL BE LED.

CODE COMPLIANCE NOTES:

- 1.) BUILDING AND RESTROOMS COMPLIES WITH ICC/ANSI A117.1-2009
- 2.) BUILDING COMPLIES WITH THE 2021 INTERNATIONAL BUILDING CODE
- 3.) PLUMBING COMPLIES WITH THE 2021 INTERNATIONAL PLUMBING CODE
- 4.) ELECTRICAL COMPLIES WITH THE NATIONAL ELECTRICAL CODE
- 5.) MECHANICAL COMPLIES WITH THE 2021 INTERNATIONAL MECHANICAL CODE

FIELD BOOK No.:

PROJECT No.: 24808

DRAWN: VJE CHECKED: KLB

DATE: MAY 2026

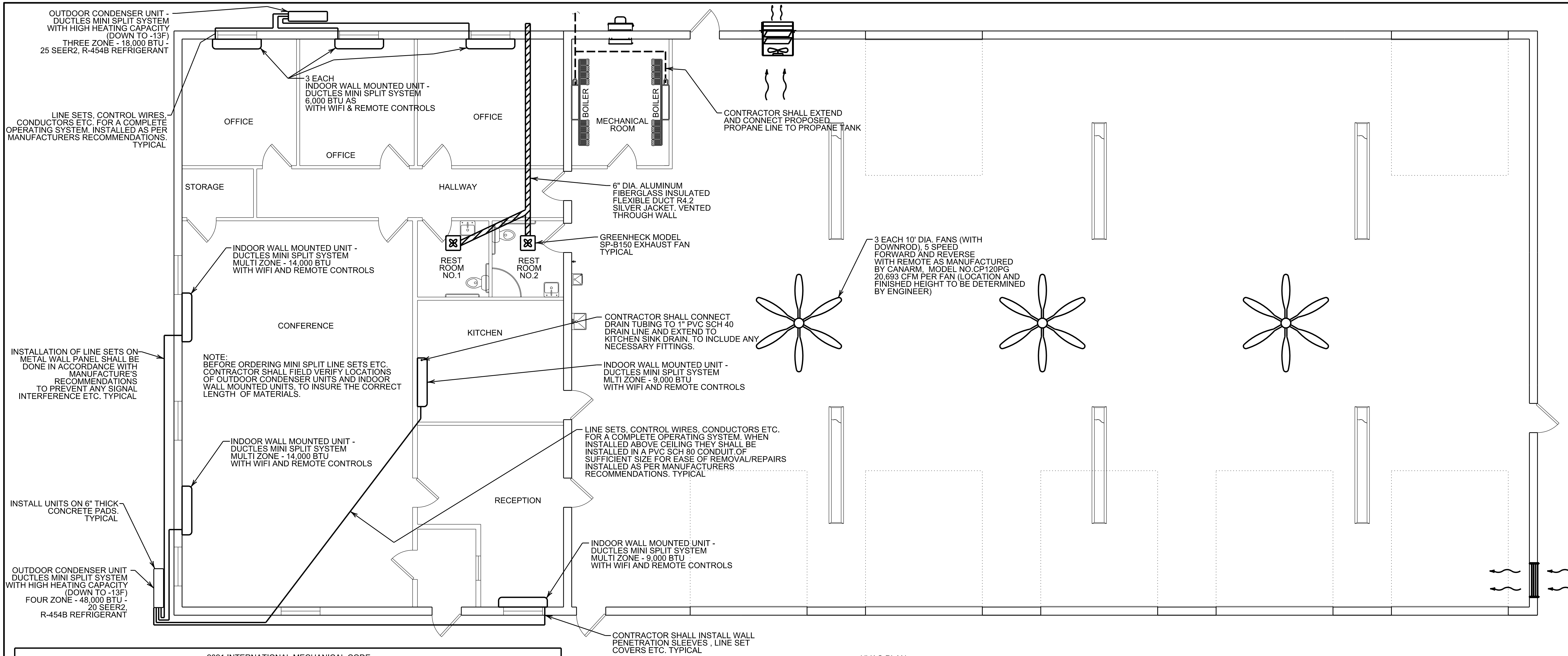
REVISION

No.	DATE	DESCRIPTION

DRAWING NUMBER

24808-07

SHEET NUMBER



HVAC PLAN
 SCALE: 3/16" = 1'-0"

2021 INTERNATIONAL MECHANICAL CODE SECTION 402 NATURAL VENTILATION 402.3 ADJOINING SPACES

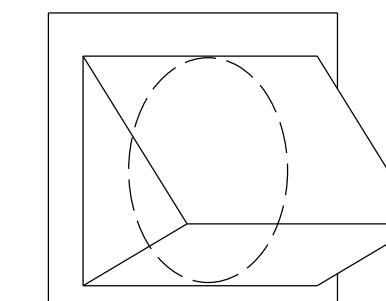
LOCATION	FLOOR AREA	OPERABLE WINDOW AREA	DOOR AREA	TOTAL OPERABLE AREA	8% OF FLOOR AREA
CONFERENCE ROOM	938.99 SQ.FT.	15.96 SQ.FT.	60.03 SQ.FT.	75.99 SQ.FT.	75.12 SQ.FT.
OFFICE NO.1	152.75 SQ.FT.	3.99 SQ.FT.	20.01 SQ.FT.	24.00 SQ.FT.	12.22 SQ.FT.
OFFICE NO.2	152.75 SQ.FT.	3.99 SQ.FT.	20.01 SQ.FT.	24.00 SQ.FT.	12.22 SQ.FT.
OFFICE NO.3	195 SQ.FT.	3.99 SQ.FT.	20.01 SQ.FT.	24.00 SQ.FT.	15.60 SQ.FT.
MECHANICAL ROOM	130 SQ.FT.	NONE	20.01 SQ.FT.	20.01 SQ.FT.	10.40 SQ.FT.
RESTROOM NO.1	57.40 SQ.FT.	NONE	20.01 SQ.FT.	20.01 SQ.FT.	4.59 SQ.FT.
RESTROOM NO.2	57.40 SQ.FT.	NONE	20.01 SQ.FT.	20.01 SQ.FT.	4.59 SQ.FT.
KITCHEN	187.50 SQ.FT.	NONE	20.01 SQ.FT.	20.01 SQ.FT.	15.00 SQ.FT.
RECEPTIONIST AREA	224.75 SQ.FT.	3.99 SQ.FT.	40.02 SQ.FT.	44.01 SQ.FT.	17.98 SQ.FT.

2021 INTERNATIONAL MECHANICAL CODE SECTION 402 NATURAL VENTILATION 402.2 VENTILATION AREA REQUIRED

LOCATION	FLOOR AREA	OPERABLE WINDOW AREA	DOOR AREA	TOTAL OPERABLE AREA	4% OF FLOOR AREA
GARAGE	6,000 SQ.FT.	NONE	1,239 SQ.FT.	1,239 SQ.FT.	240 SQ.FT.
ENTRYWAY	48 SQ.FT.	NONE	21 SQ.FT.	21 SQ.FT.	1.92 SQ.FT.

MINIMUM VENTILATION RATES AS PER IMC 2021- INTERNATIONAL MECHANICAL CODE TABLE 403.3.1.1

LOCATION	EXHAUST AIRFLOW RATE CFM/FT ²	PROVIDED OUTDOOR VENTILATION AIR
PUBLIC SPACES (TOILET ROOM)	REQUIRED OUTDOOR VENTILATION AIR 50 CFM PER WATER CLOSET OR URINAL WITH CONTINUOUS FAN OPERATION WHILE OCCUPIED OR 70 CFM WITH INTERMITTENT FAN OPERATION	RESTROOM NO.1 (EXHAUST SYSTEM IS DESIGNED TO OPERATE CONTINUOUSLY WHILE OCCUPIED) TOTAL PROVIDED = 152 CFM BY GREENHECK MODEL SP-B150
PUBLIC SPACES (SHOWER ROOM)	REQUIRED OUTDOOR VENTILATION AIR 50 CFM PER SHOWER ROOM (PER SHOWER HEAD) WITH CONTINUOUS FAN OPERATION WHILE OCCUPIED OR 20 CFM WITH INTERMITTENT FAN OPERATION	RESTROOM NO.2 (EXHAUST SYSTEM IS DESIGNED TO OPERATE CONTINUOUSLY WHILE OCCUPIED) TOTAL PROVIDED = 152 CFM BY GREENHECK MODEL SP-B150



EXHAUST WALL CAP DETAIL
 SCALE: NONE

- NOTES:
1. ALL GAS PIPING SHALL COMPLY WITH 2018 THE UNIFORM MECHANICAL CODE AND NATIONAL FIRE PROTECTION ASSOCIATION
 2. DIELECTRIC UNIONS SHALL USED AT ANY LOCATION WHERE DISSIMILAR METALS SHALL BE CONNECTED.

NOTE:
 2021 INTERNATIONAL MECHANICAL CODE, SECTION 404 ENCLOSED PARKING GARAGES 404.1 ENCLOSED PARKING GARAGES VENTILATION WITHIN GARAGE/BUILDING AREA REQUIRES 0.75 CFM / SQ. FT. 6,000 SQ. FT. X 0.75 CFM / SQ. FT. = 4,500 CFM

LEGEND

GREENHECK MODEL# SC3-24-617-B5 DIRECT DRIVE WALL MOUNTED PROP FANS RATED @ 5,248 CFM @ 0.25 PSIG, 1/2HP AS PER MANUFACTURER 1160 RPM/ 24" FAN W/ DAMPER AND WALL COLLAR

MOTORIZED INTAKE LOUVER MODEL GREENHECK WD100-24x24 INTERLOCKED WITH EXHAUST FAN RATED @ 5,500 CFM ACTUATOR MULTI PRODUCTS, MP-100 ACT. 115-230V, 50/60 HZ FOR WD-100 SERIES, PRODUCT # 826840 TO INCLUDE ALL NECESSARY HARDWARE FOR A COMPLETE INSTALLATION

CODE COMPLIANCE NOTES:

- 1.) BUILDING AND RESTROOMS COMPLIES WITH ICC/ANSI A117.1-2009
- 2.) BUILDING COMPLIES WITH THE 2021 INTERNATIONAL BUILDING CODE
- 3.) PLUMBING COMPLIES WITH THE 2021 INTERNATIONAL PLUMBING CODE
- 4.) ELECTRICAL COMPLIES WITH THE NATIONAL ELECTRICAL CODE
- 5.) MECHANICAL COMPLIES WITH THE 2021 INTERNATIONAL MECHANICAL CODE

FIELD BOOK No.:
 PROJECT No.: 24808
 DRAWN: VJE | CHECKED: KLB
 DATE: MAY 2026

REVISION	
No.	DESCRIPTION

DRAWING NUMBER
24808-08
 SHEET NUMBER

SEAL

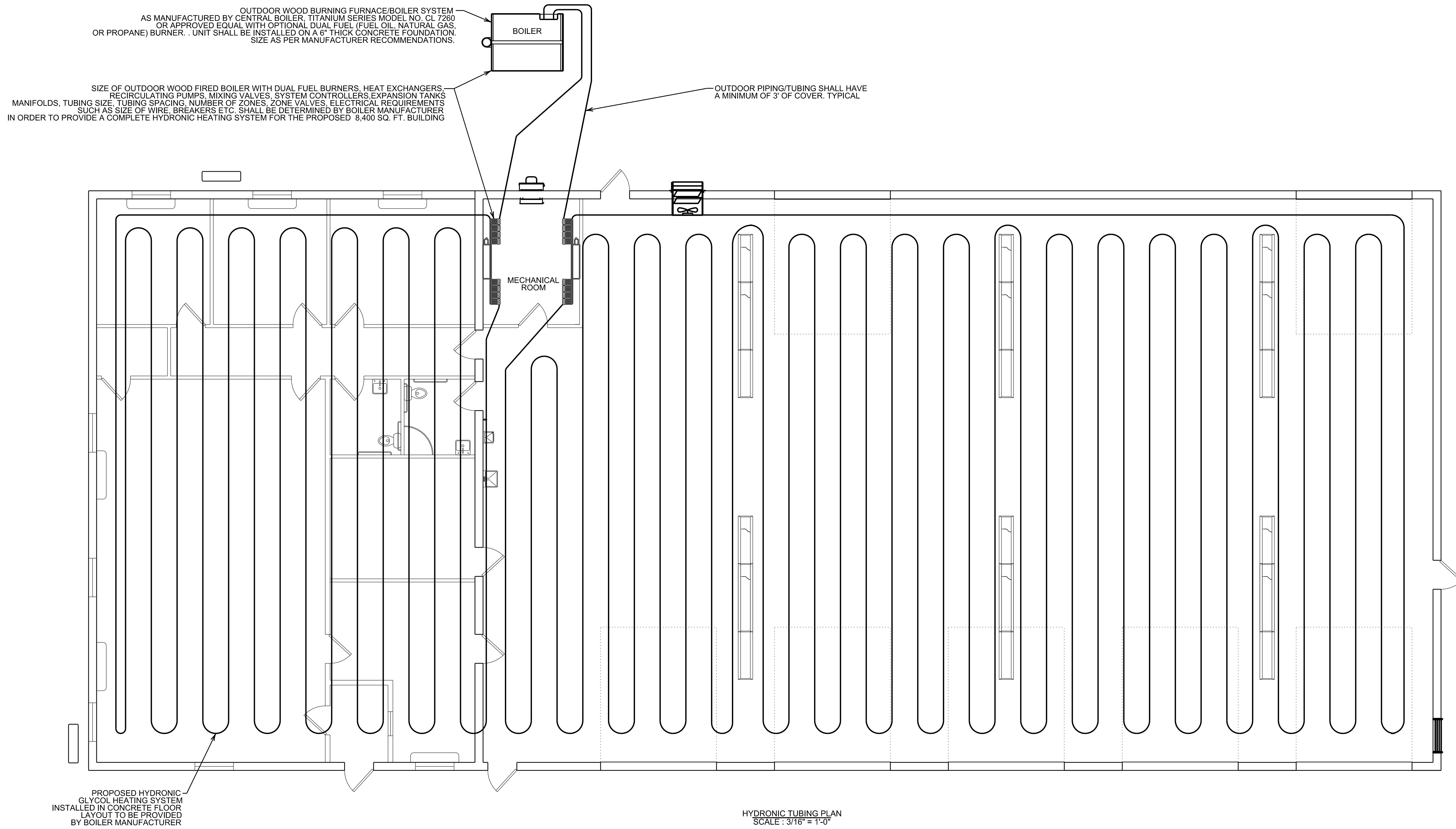
NORTH BETHLEHEM TOWNSHIP
 MUNICIPAL BUILDING AND GARAGE
 WASHINGTON COUNTY
 PENNSYLVANIA

HYDRONIC PIPING LAYOUT

FIELD BOOK No.:
 PROJECT No.: 24808
 DRAWN: VJE | CHECKED: KLB
 DATE: MAY 2026

REVISION		
No.	DATE	DESCRIPTION

DRAWING NUMBER
24808-09
 SHEET NUMBER



OUTDOOR WOOD BURNING FURNACE/BOILER SYSTEM
 AS MANUFACTURED BY CENTRAL BOILER, TITANIUM SERIES MODEL NO. CL 7260
 OR APPROVED EQUAL WITH OPTIONAL DUAL FUEL (FUEL OIL, NATURAL GAS,
 OR PROPANE) BURNER. UNIT SHALL BE INSTALLED ON A 6" THICK CONCRETE FOUNDATION.
 SIZE AS PER MANUFACTURER RECOMMENDATIONS.

SIZE OF OUTDOOR WOOD FIRED BOILER WITH DUAL FUEL BURNERS, HEAT EXCHANGERS,
 RECIRCULATING PUMPS, MIXING VALVES, SYSTEM CONTROLLERS, EXPANSION TANKS,
 MANIFOLDS, TUBING SIZE, TUBING SPACING, NUMBER OF ZONES, ZONE VALVES, ELECTRICAL REQUIREMENTS
 SUCH AS SIZE OF WIRE, BREAKERS ETC. SHALL BE DETERMINED BY BOILER MANUFACTURER
 IN ORDER TO PROVIDE A COMPLETE HYDRONIC HEATING SYSTEM FOR THE PROPOSED 8,400 SQ. FT. BUILDING

OUTDOOR PIPING/TUBING SHALL HAVE
 A MINIMUM OF 3' OF COVER, TYPICAL

PROPOSED HYDRONIC
 GLYCOL HEATING SYSTEM
 INSTALLED IN CONCRETE FLOOR
 LAYOUT TO BE PROVIDED
 BY BOILER MANUFACTURER

HYDRONIC TUBING PLAN
 SCALE : 3/16" = 1'-0"

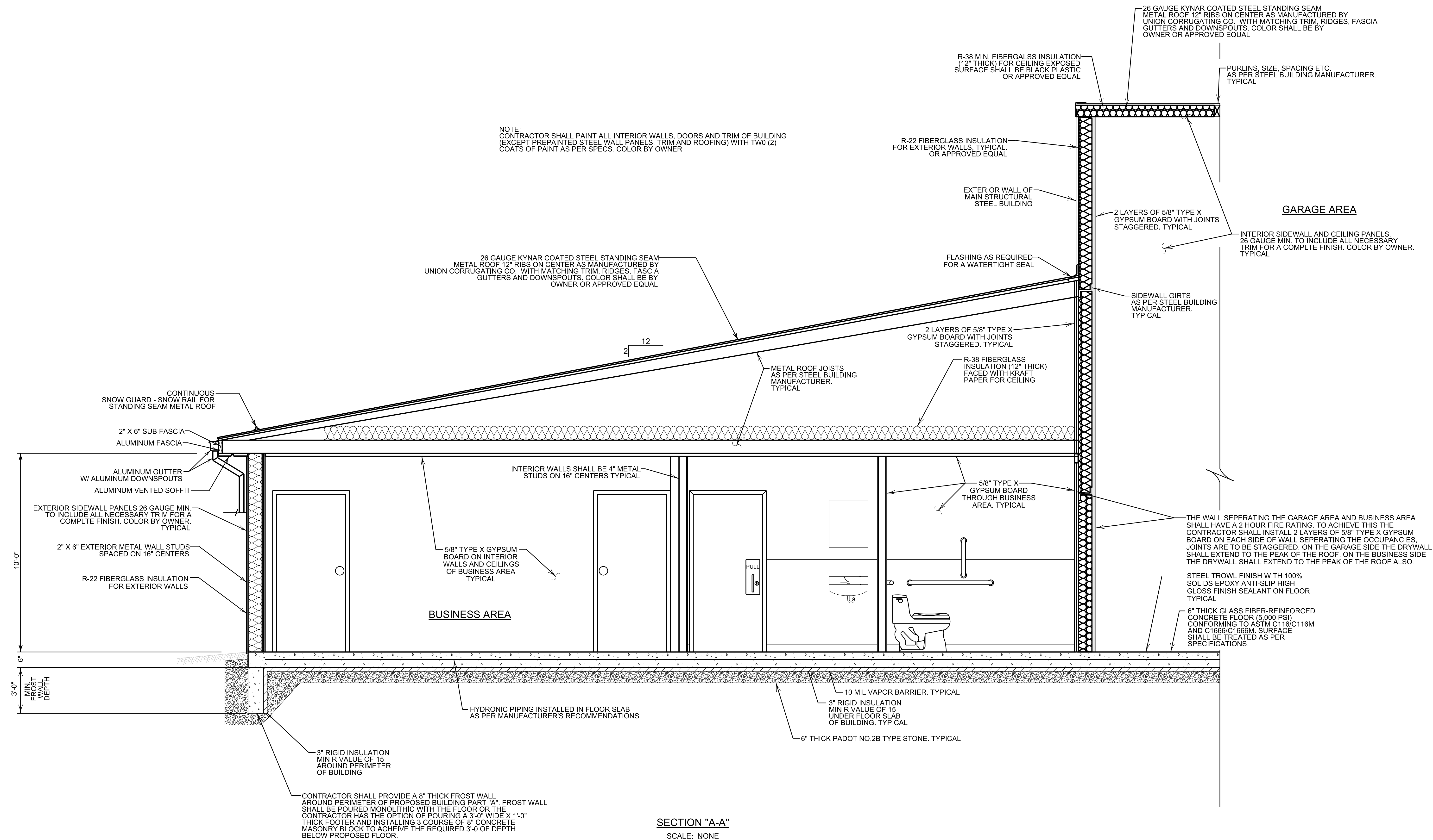
- NOTES:**
1. ALL GAS PIPING SHALL COMPLY WITH 2021 THE UNIFORM MECHANICAL CODE AND NATIONAL FIRE PROTECTION ASSOCIATION
 2. DIELECTRIC UNIONS SHALL USED AT ANY LOCATION WHERE DISSIMILAR METALS SHALL BE CONNECTED.

NOTE:
 INSTALLED GLYCOL FILLED HYDRONIC SYSTEM DESIGN WILL BE DETERMINED BY BOILER EQUIPMENT MANUFACTURER.
 MANUFACTURER WILL BE REQUIRED TO SUBMIT TO THE OWNER A CERTIFICATION LETTER
 STATING SYSTEM DESIGN AND INSTALLATION COMPLIES WITH THE FOLLOWING:

- SYSTEMS BOILERS WILL HAVE 30" CLEARANCE FROM ANY PIPE OR APPENDAGE.
- BOILER ROOM WILL HAVE 6" CLEARANCE FROM THE FLOOR TO ANY OVERHEAD OBSTRUCTION.
- ANY UNFIRED PRESSURE VESSELS WITHIN THE SCOPE OF THE CODE MUST HAVE 18" CLEARANCE.
- NO TRIPPING HAZARDS ARE ALLOWED IN THE BOILER ROOM.
- ANY VALVES SHALL HAVE 6" CLEARANCE AROUND THEM TO ALLOW OPERATION.
- THERE SHALL BE A MINIMUM OF 3'-6" CLEARANCE BETWEEN THE TOP OF THE BOILER AND ANY OVERHEAD ITEMS.
- CLEARANCE BETWEEN MODULAR BOILER UNITS MAYBE REDUCED TO 6", PROVIDED THERE ARE NO VALVES BETWEEN THE MODULES.
- ALL BOILER CONTROLS SHALL COMPLY WITH ASME SECTION IV, ARTICLE 6
- ALL BOILER PIPING REQUIREMENTS SHALL COMPLY WITH ASME SECTION IV, ARTICLE 7

CODE COMPLIANCE NOTES:

- 1.) BUILDING AND RESTROOMS COMPLIES WITH ICC/ANSI A117.1-2009
- 2.) BUILDING COMPLIES WITH THE 2021 INTERNATIONAL BUILDING CODE
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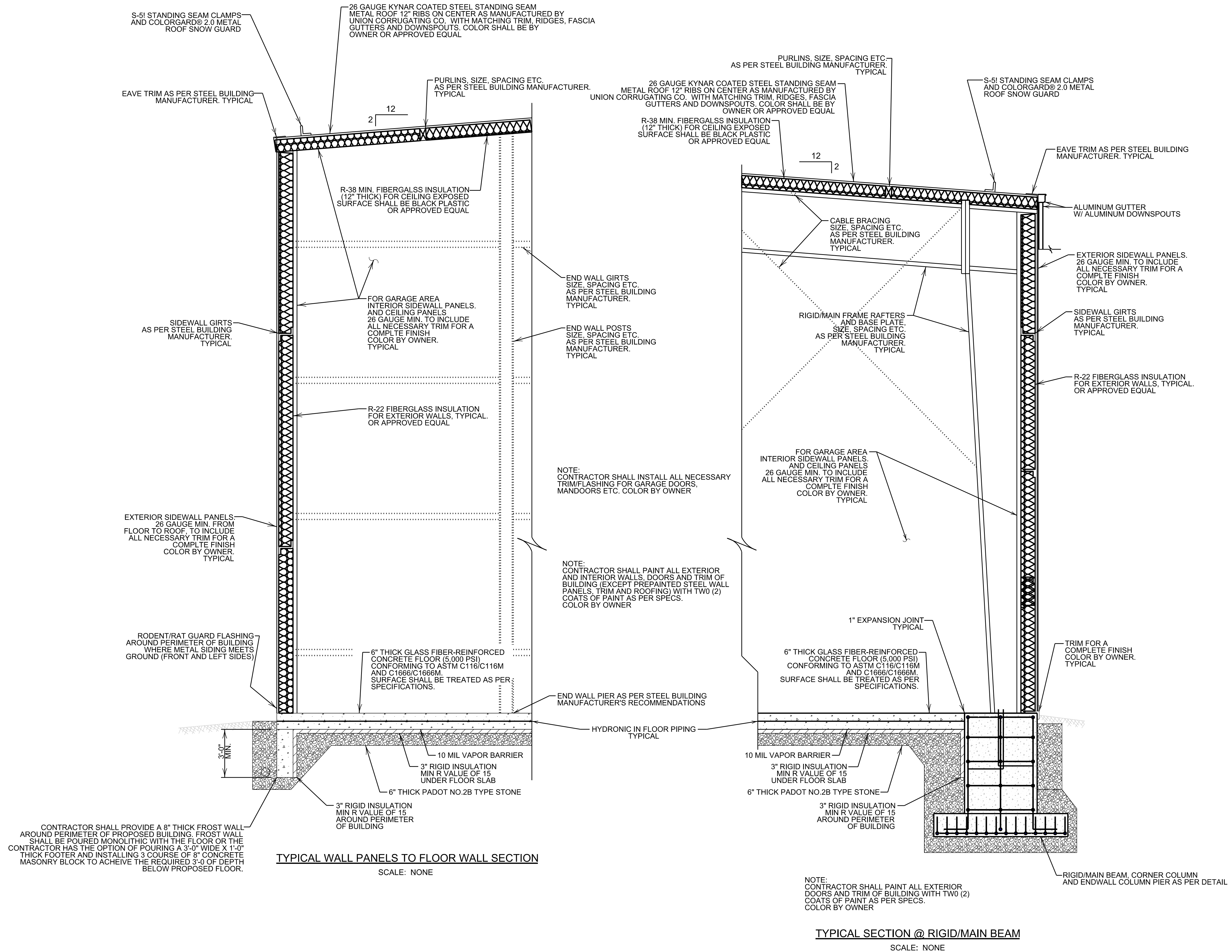
NOTE:
PROPOSED 60'-0" X 140'-0" PRE MANUFACTURED STEEL BUILDING. STEEL BUILDING MANUFACTURER IS REQUIRED TO SUBMIT CERTIFIED STAMPED ENGINEERING DRAWINGS FOR STRUCTURAL DESIGN. DESIGN TO MEET 2021 INTERNATIONAL BUILDING CODE. WIND BRACING AS PER 2021 INTERNATIONAL BUILDING CODE

FIELD BOOK No.:	
PROJECT No.:	24808
DRAWN: VJE	CHECKED: KLB
DATE:	MAY 2026

REVISION		
No.	DATE	DESCRIPTION

DRAWING NUMBER	24808-10
SHEET NUMBER	10 OF 12

REVISION		
No.	DATE	DESCRIPTION

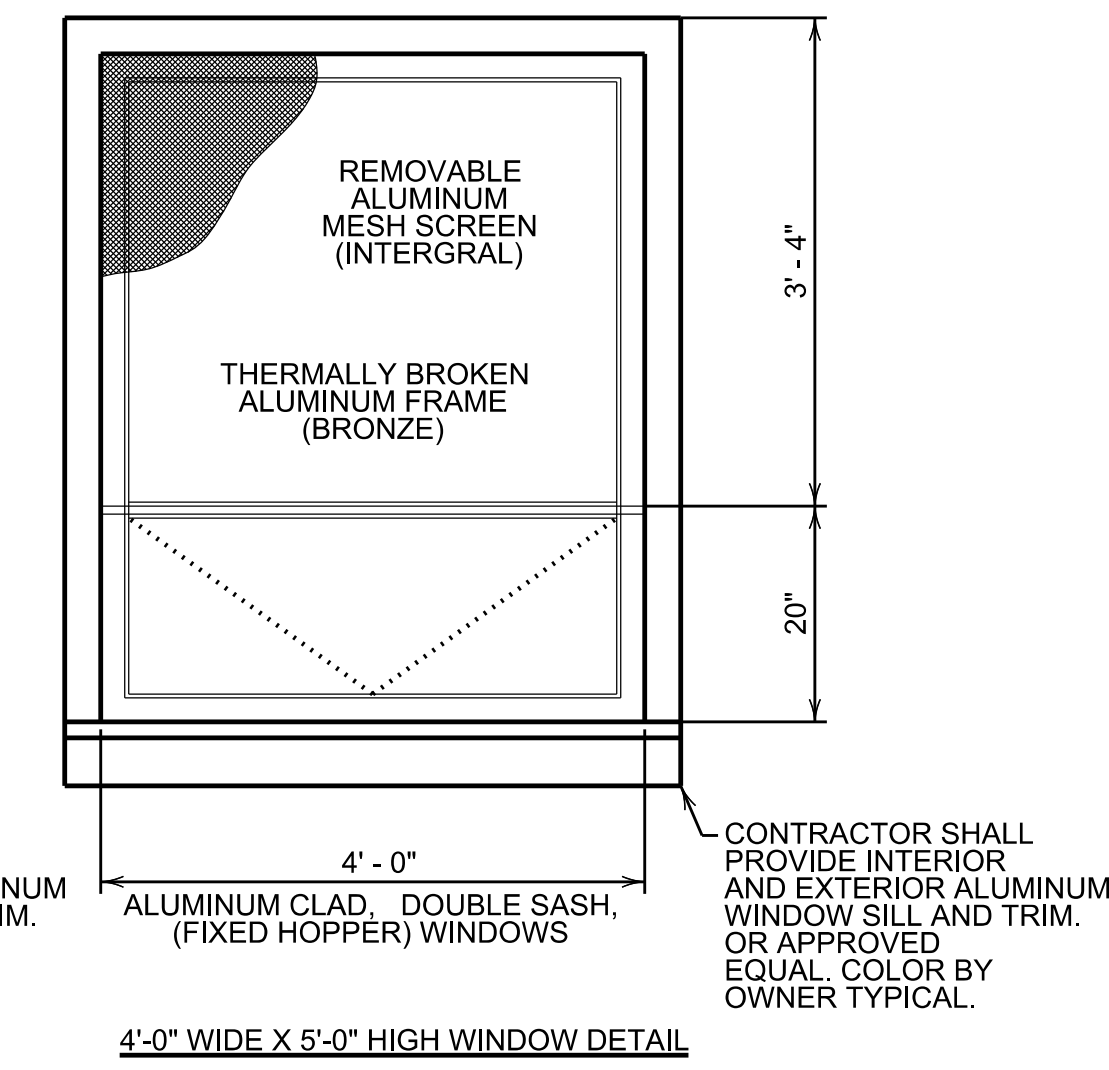
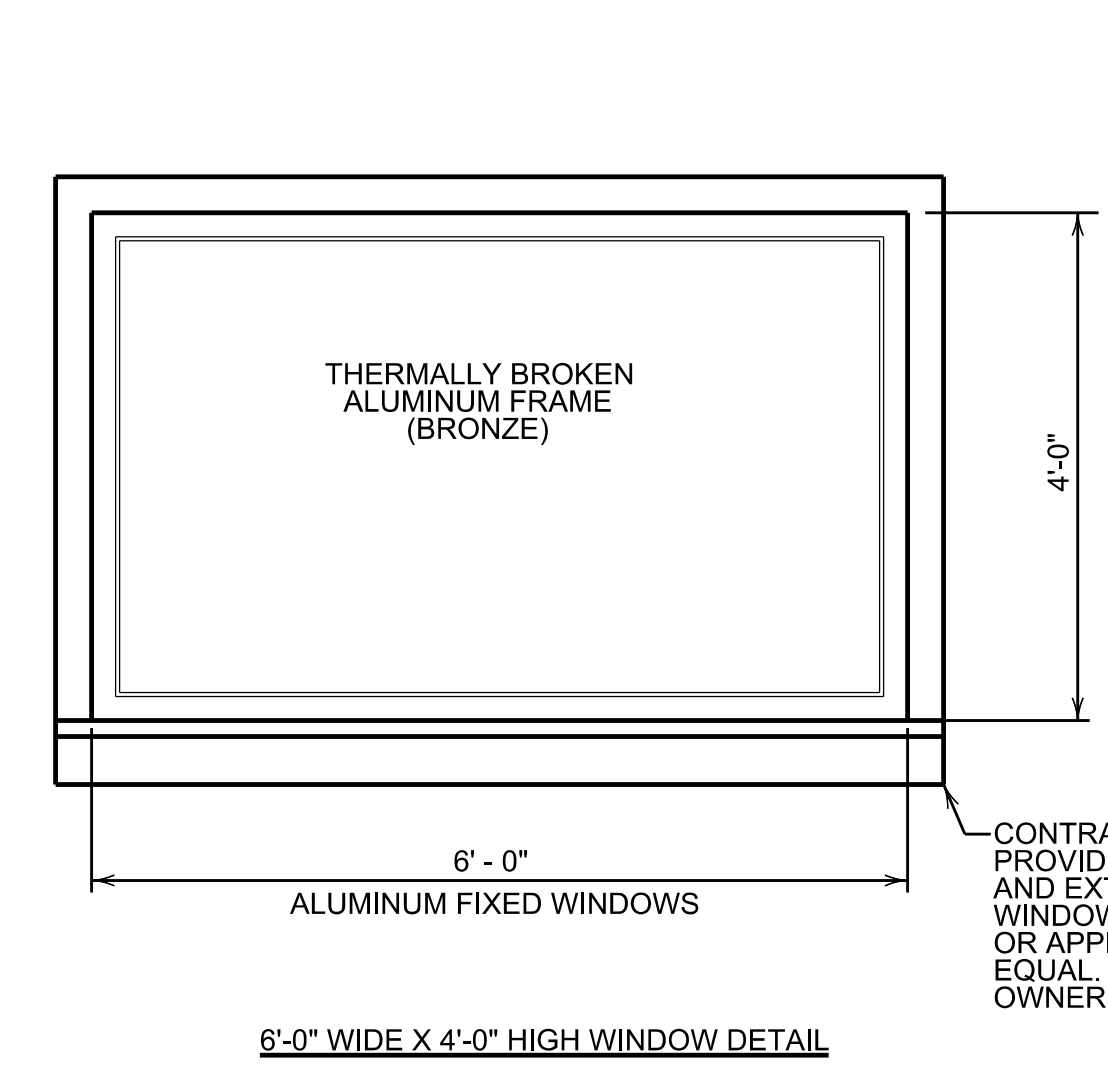
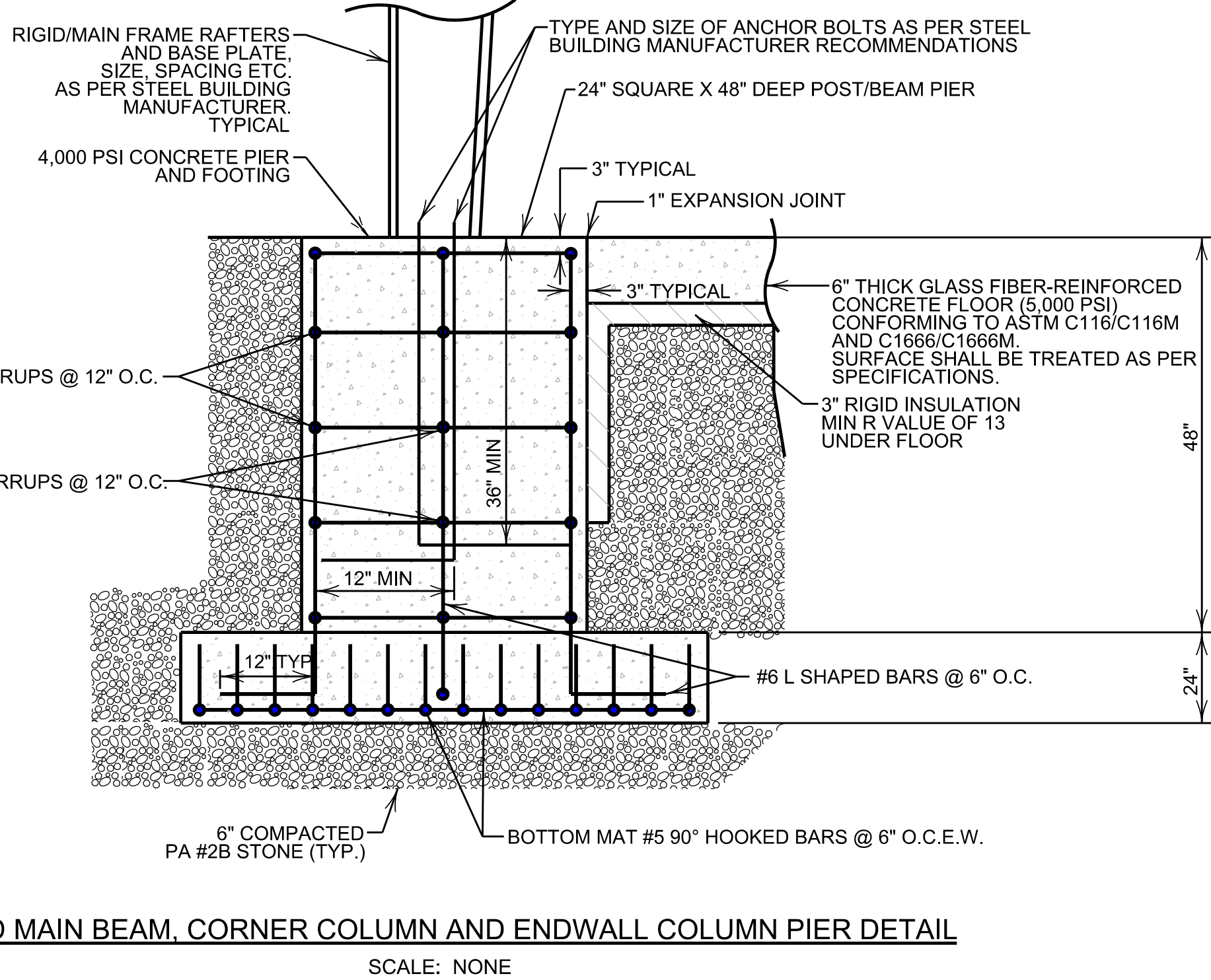
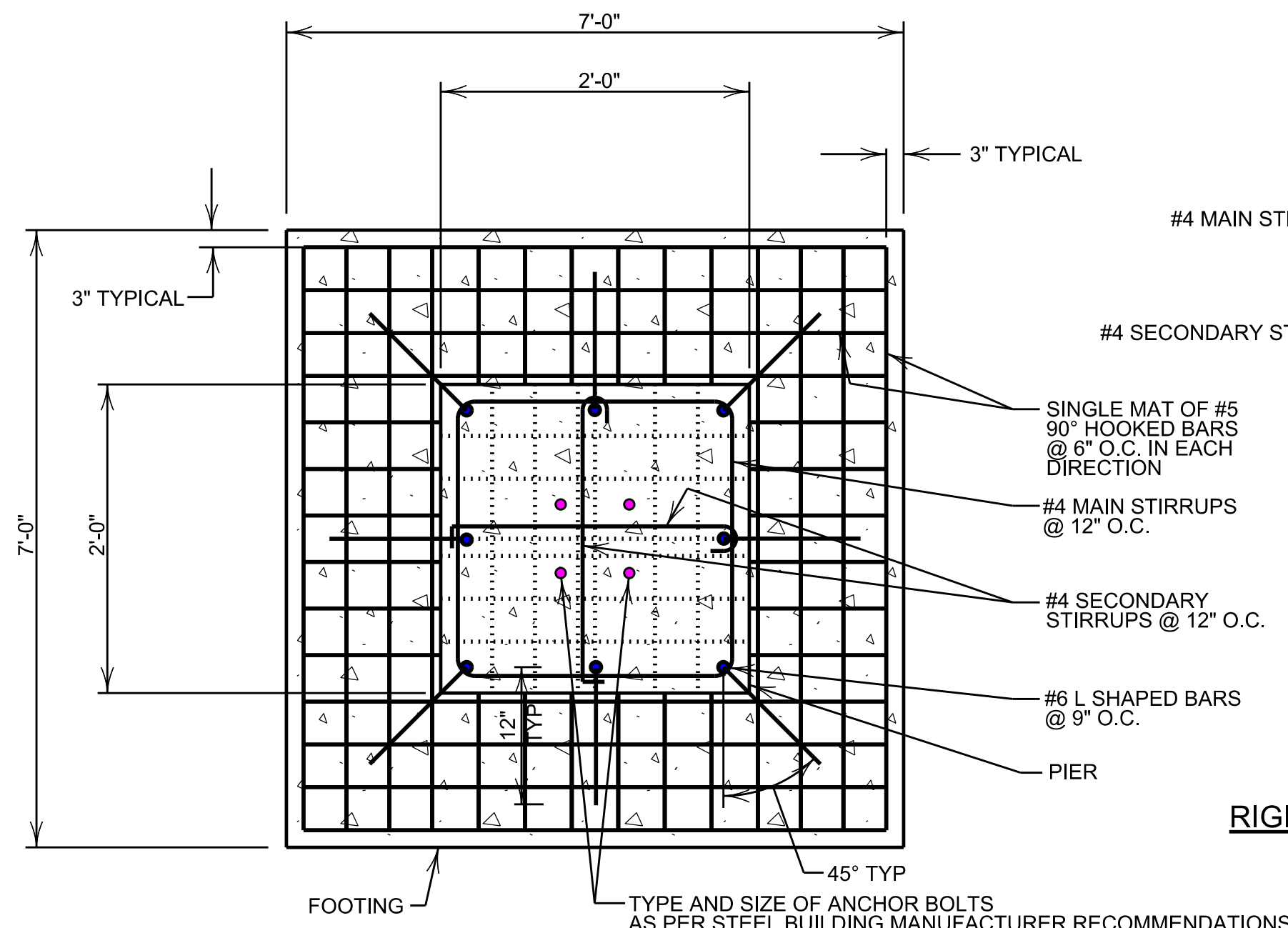


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NOTE:
PROPOSED 60'-0" X 140'-0" PRE MANUFACTURED STEEL BUILDING. STEEL BUILDING MANUFACTURER IS REQUIRED TO SUBMIT CERTIFIED STAMPED ENGINEERING DRAWINGS FOR STRUCTURAL DESIGN. DESIGN TO MEET 2021 INTERNATIONAL BUILDING CODE. WIND BRACING AS PER 2021 INTERNATIONAL BUILDING CODE

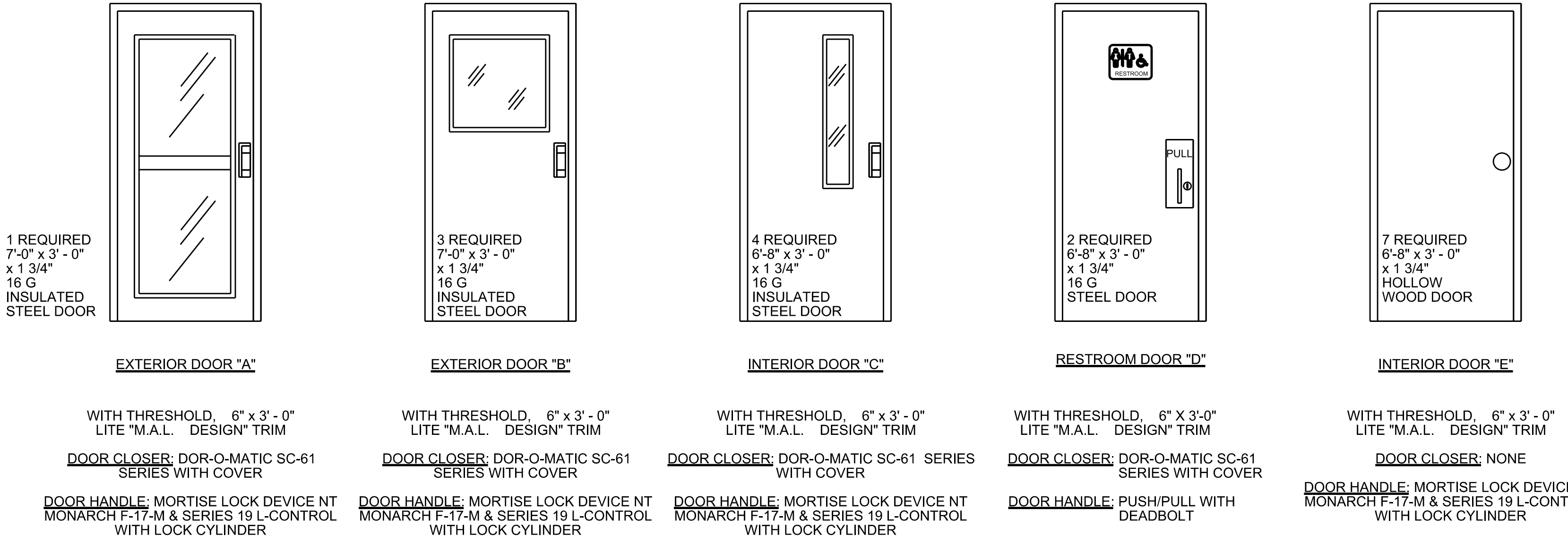
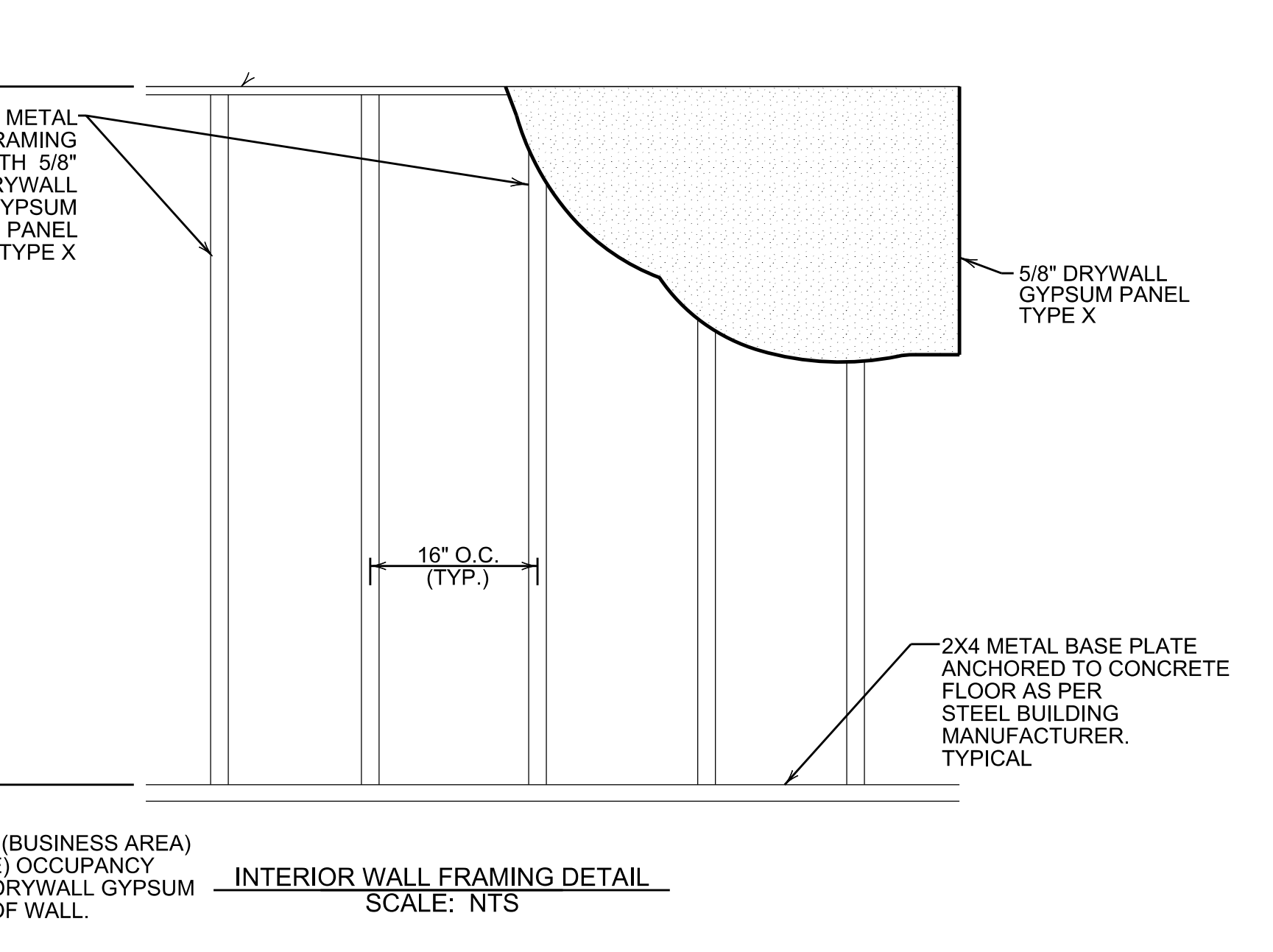
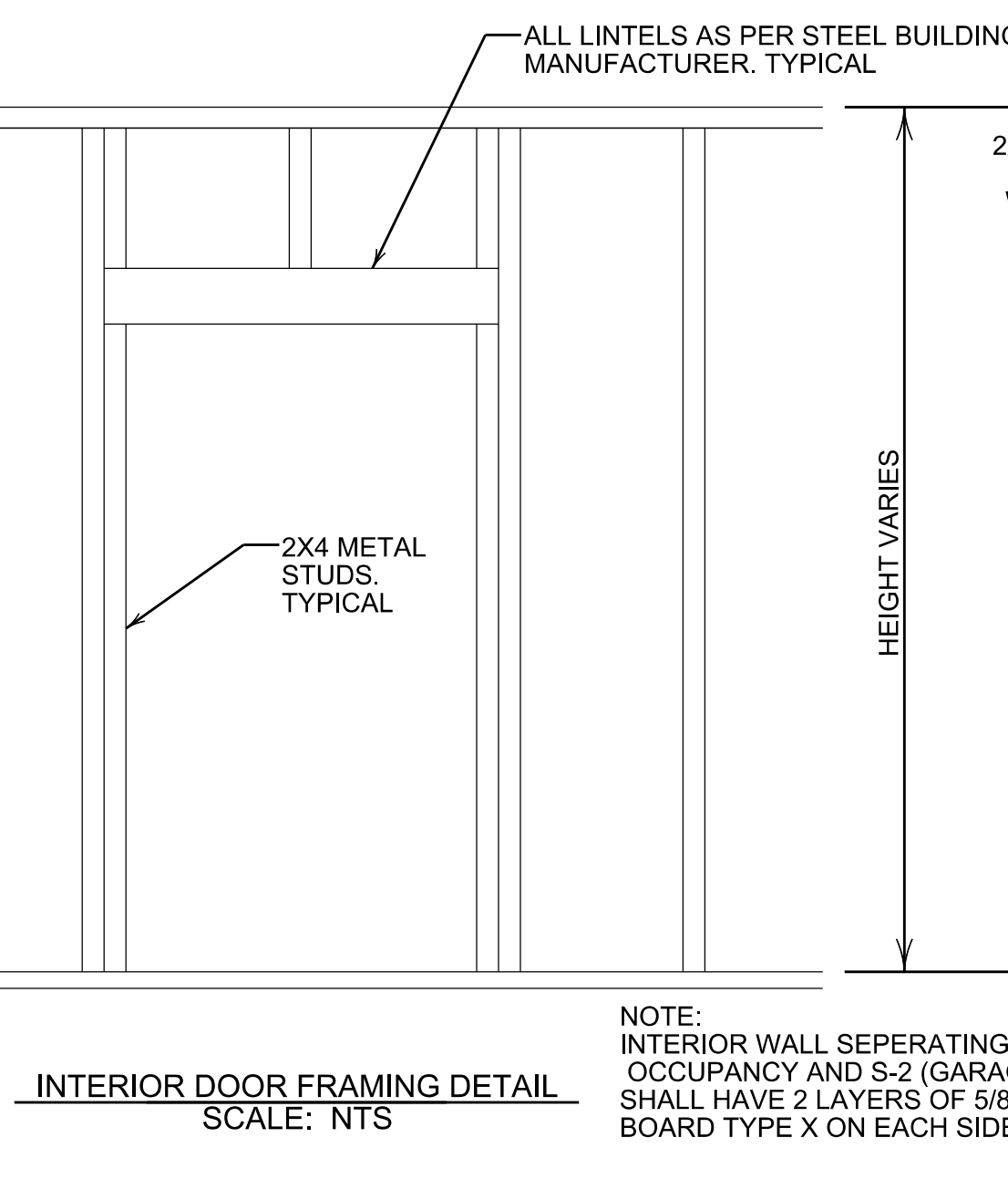
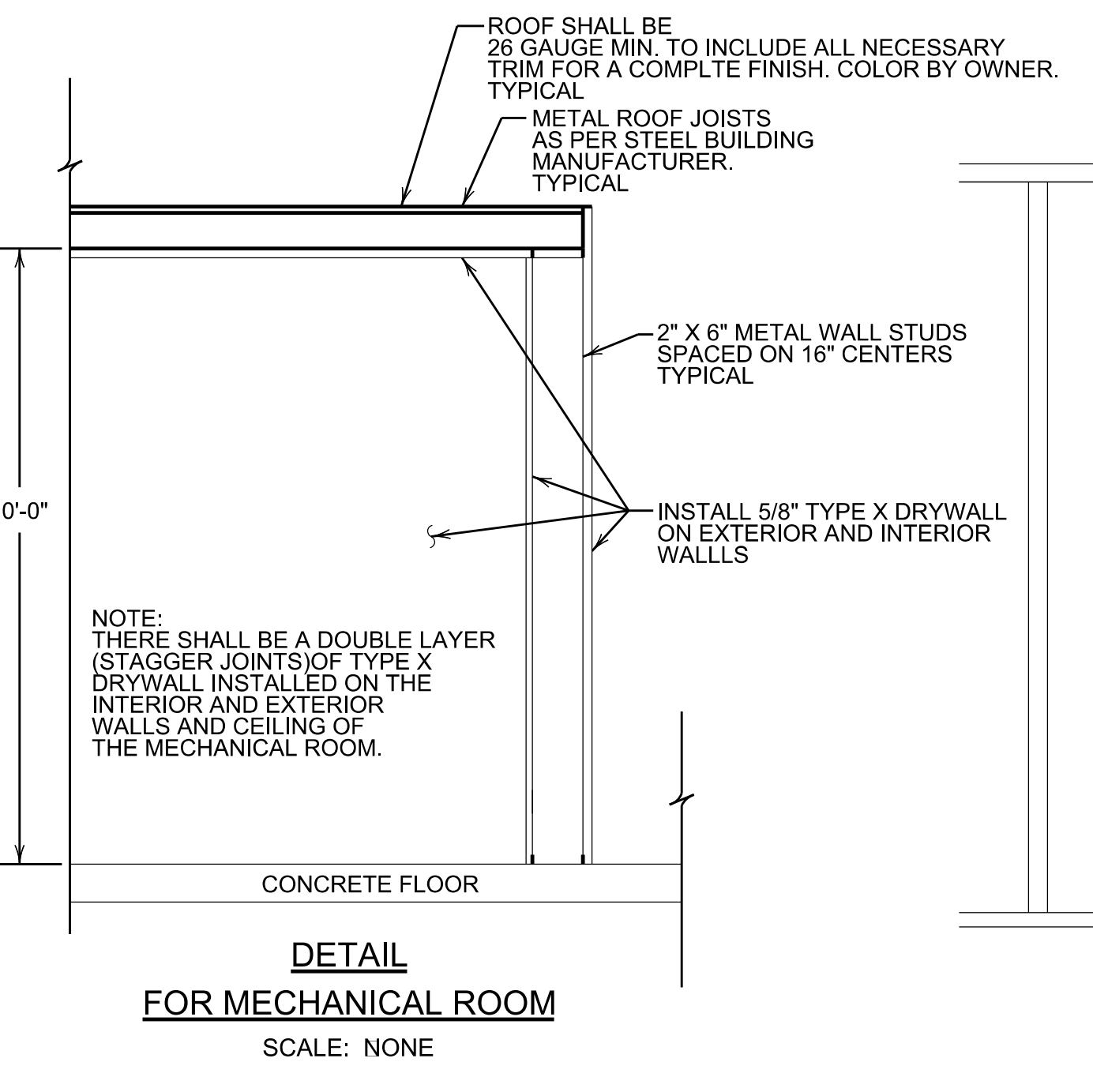
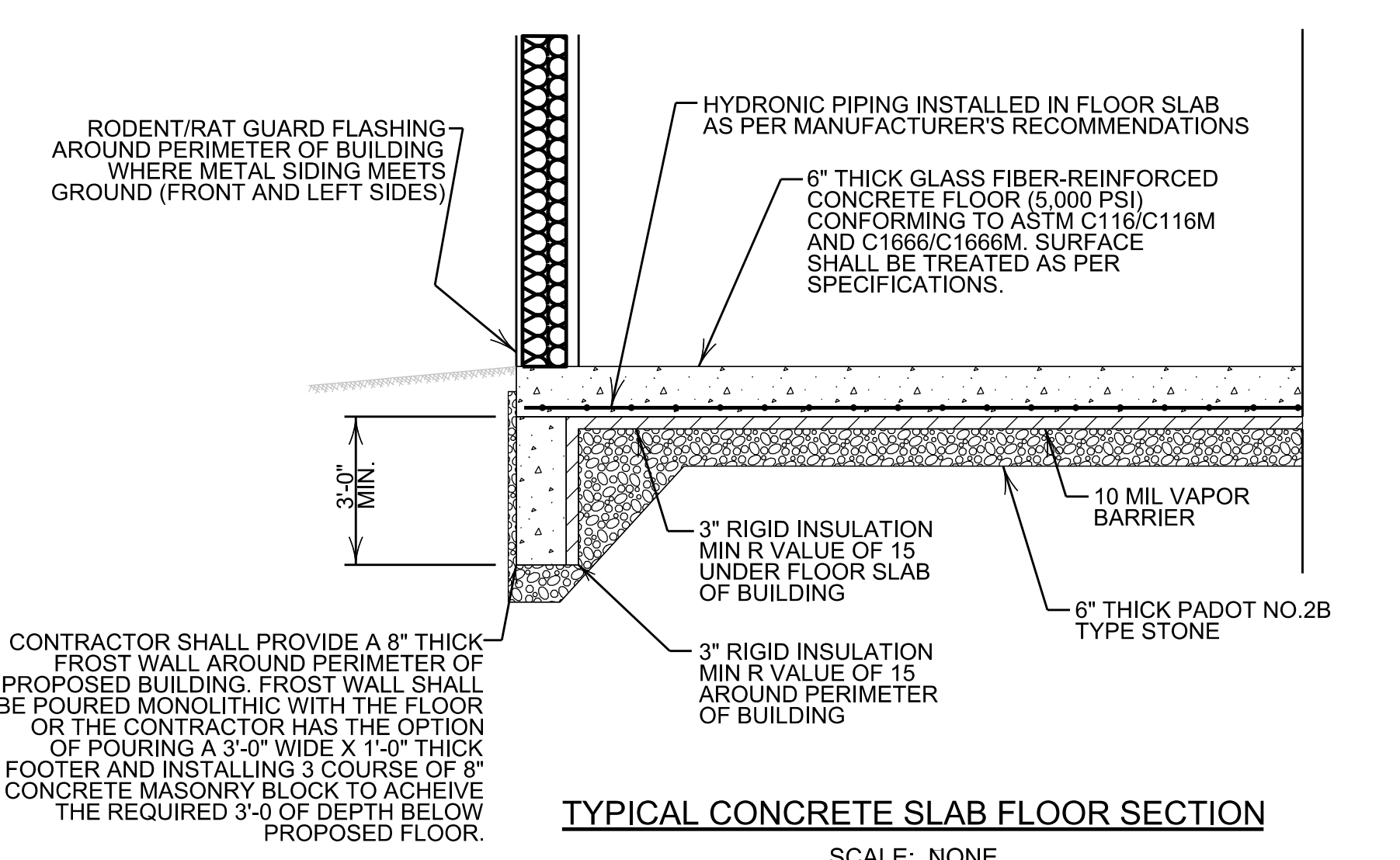
NOTE:
ALL CALCULATIONS ARE BASED ON A MAXIMUM COLUMN CENTER TO CENTER SPACING OF 26 FEET. THE CONTRACTOR/ARCHITECTOR SHALL BE RESPONSIBLE FOR PROVIDING ALTERNATE STAMPED FOOTING DRAWINGS IF THE CONTRACTOR CHANGES PIER DESIGN.



NOTE:
ACCEPTABLE WINDOW MANUFACTURERS ARE: MARVIN, EAGLE, ANDERSON, AND PELLA.

WINDOWS DETAILS
SCALE: NONE

RIGID MAIN BEAM, CORNER COLUMN AND ENDWALL COLUMN PLAN DETAIL
SCALE: NONE



- NOTES ON DOORS, FRAMES, AND TRIM:**
- ALL EXTERIOR DOORS SHALL HAVE PANIC BARS. DOOR "C" SHALL HAVE PANIC BARS.
 - CHECK PLANS FOR DOOR SWINGS.
 - ALL TRIM SHALL BE STAINLESS STEEL AS MANUFACTURED BY STEELCRAFT, INC. OR SARGENT.
 - ALL DOORS & FRAMES TO BE PRIME-COATED & AS MANUFACTURED BY STEELCRAFT, INC. FRAMES SHALL BE 14 GAUGE HOT-DIPPED GALVANIZED (BOTH SIDES). GENERAL CONTRACTOR TO FINISH WITH 2 COATS OF APPROVED ENAMEL.
 - PUSH AND PULL DOOR PLATES SHALL BE LABELED PUSH/PULL ACCORDINGLY
 - PROVIDE ADDITIONAL FRAMING AS REQUIRED FOR OPENINGS

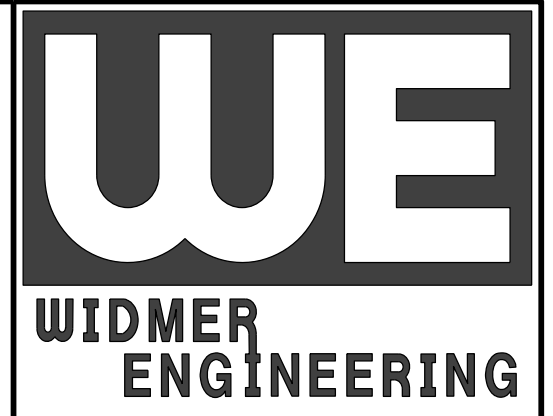
- GARAGE DOOR NOTES:**
- ALL COLORS SHALL BE BY OWNER.
 - OVERHEAD GARAGE DOORS SHALL BE THERMACORE INSULATED DOORS, SERIES 591 AS MANUFACTURED/SUPPLIED BY THE OVERHEAD DOOR CO. OF PITTSBURGH AND AS SPECIFIED BELOW.
- SIZES:** 12'-0" (W) X 14'-0" (H); QUANTITY = 7
COLOR: EXTERIOR (BY OWNER), INTERIOR (BY OWNER)
PANEL THICKNESS: 1.50" (EXTERIOR STEEL THICKNESS = .015")
INSULATION: RIGID FOAMED-IN-PLACE, R-VALUE = 14.86
OPERATOR: AS PER MANUFACTURER'S RECOMMENDATIONS, 115 V, SINGLE PHASE TRACK: 2" STANDARD WITH SUPPORT ANGLES AS REQUIRED.
- REQUIRED OPTIONS:**
- PUSH-BUTTON CONTROL STATION
 - RADIO RECEIVER WITH 3 CHANNEL TRANSMITTER
 - PNEUMATIC BOTTOM SENSING EDGE
 - THERMAL GLAZING (3 PER DOOR)
 - FLEXIBLE VINYL JAMB SEAL
- GENERAL CONTRACTOR SHALL SUPPLY 2" X 12" LUMBER FRAMING OR AS REQUIRED AROUND EACH DOOR OPENING FOR MOUNTING DOOR TRACK, ETC.**

NOTE:
PROPOSED 60'-0" X 140'-0" PRE MANUFACTURED STEEL BUILDING STEEL BUILDING MANUFACTURER IS REQUIRED TO SUBMIT CERTIFIED STAMPED ENGINEERING DRAWINGS FOR STRUCTURAL DESIGN. DESIGN TO MEET 2021 INTERNATIONAL BUILDING CODE. WIND BRACING AS PER 2021 INTERNATIONAL BUILDING CODE

- CODE COMPLIANCE NOTES:**
- BUILDING AND RESTROOMS COMPLIES WITH ICC/ANSI A117.1-2009
 - BUILDING COMPLIES WITH THE 2021 INTERNATIONAL BUILDING CODE
 - PLUMBING COMPLIES WITH THE 2021 INTERNATIONAL PLUMBING CODE
 - ELECTRICAL COMPLIES WITH THE NATIONAL ELECTRICAL CODE
 - MECHANICAL COMPLIES WITH THE 2021 INTERNATIONAL MECHANICAL CODE

CONTACT PERSON:
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PHONE: 724-626-1909

NOTE:
ALL EXTERIOR DOORS SHALL HAVE PANICK BARS



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PENNSYLVANIA
WASHINGTON COUNTY

NORTH BETHLEHEM TOWNSHIP MUNICIPAL BUILDING AND GARAGE

NORTH BETHLEHEM TOWNSHIP

FIELD BOOK No.:
PROJECT No.: 24808
DRAWN: VJE | CHECKED: KLB
DATE: MAY 2026

REVISION		
No.	DATE	DESCRIPTION
X	MMDDYY	

DRAWING NUMBER
24808-12
SHEET NUMBER