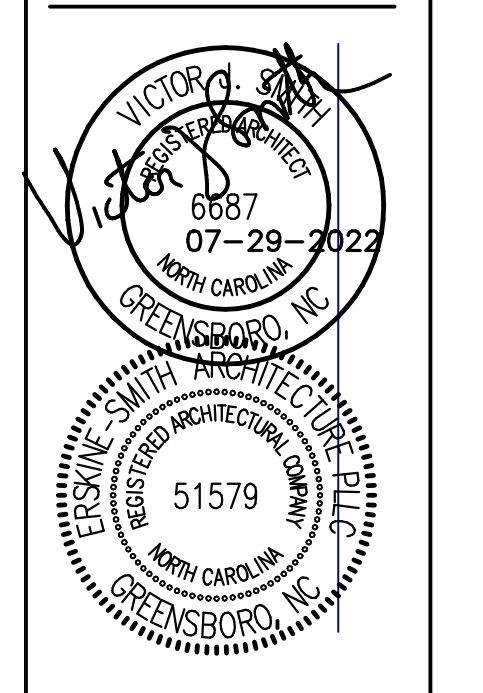
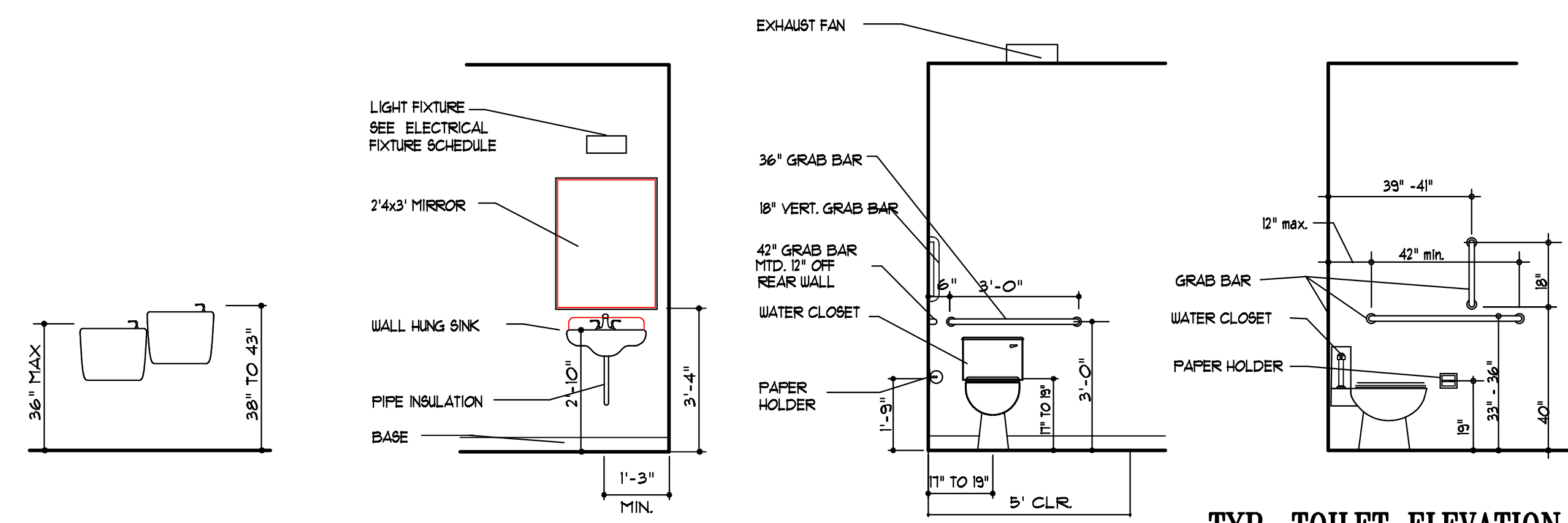


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BUILDING 'A' NEW STORAGE FACILITY FOR HARNETT SELF STORAGE SPOUT SPRINGS, NC



WATER FOUNTAIN

SINK ELEVATION

TYP. TOILET ELEVATION

APPENDIX "B" BUILDING CODE SUMMARY

NAME OF PROJECT: BLDG. 'A' NEW FACILITY FOR HARNETT SELF STORAGE
ADDRESS: _____ ZIP CODE: _____
OWNER OR AUTHORIZED AGENT: VJC SMITH PHONE: 336-855-1286 E-MAIL: erksinesmith@bellsouth.net
DESIGNER: ERKINS-SMITH ARCHITECTURE, P.L.L.C. 6687 GREENSBORO, NC 27407
DATE: 07-29-2022

BUILDING ELEMENT	FIRE SEPARATION (FEET)	RATINGS	DETAIL AND SHEET #	DESIGN FOR RATED PENETRATION	DESIGN FOR RATED JOINTS
Structural Framing, including columns, girders, trusses	0				
Bearing walls					
Exterior					
NORTHWEST	6'-0"	O			
NORTHEAST	6'-0"	O			
SOUTHWEST (ASSUMED PROPERTY LINE)	15'	O			
SOUTHWEST WALL	3'-4"	O			
Interior					
Nonbearing walls and partitions					
Exterior walls					
North	N/A	O			
East	N/A	O			
West	N/A	O			
South	N/A	O			
Interior walls & partitions					
Floor construction including supporting beams and joists					
Floor Ceiling Assembly	0				
Columns supporting roof					
Roof construction including supporting beams and joists					
Floor Ceiling Assembly	0				
Columns supporting roof					
Roof construction including supporting beams and joists					
Floor Ceiling Assembly	0				
Columns supporting roof					
Roof construction including supporting beams and joists					

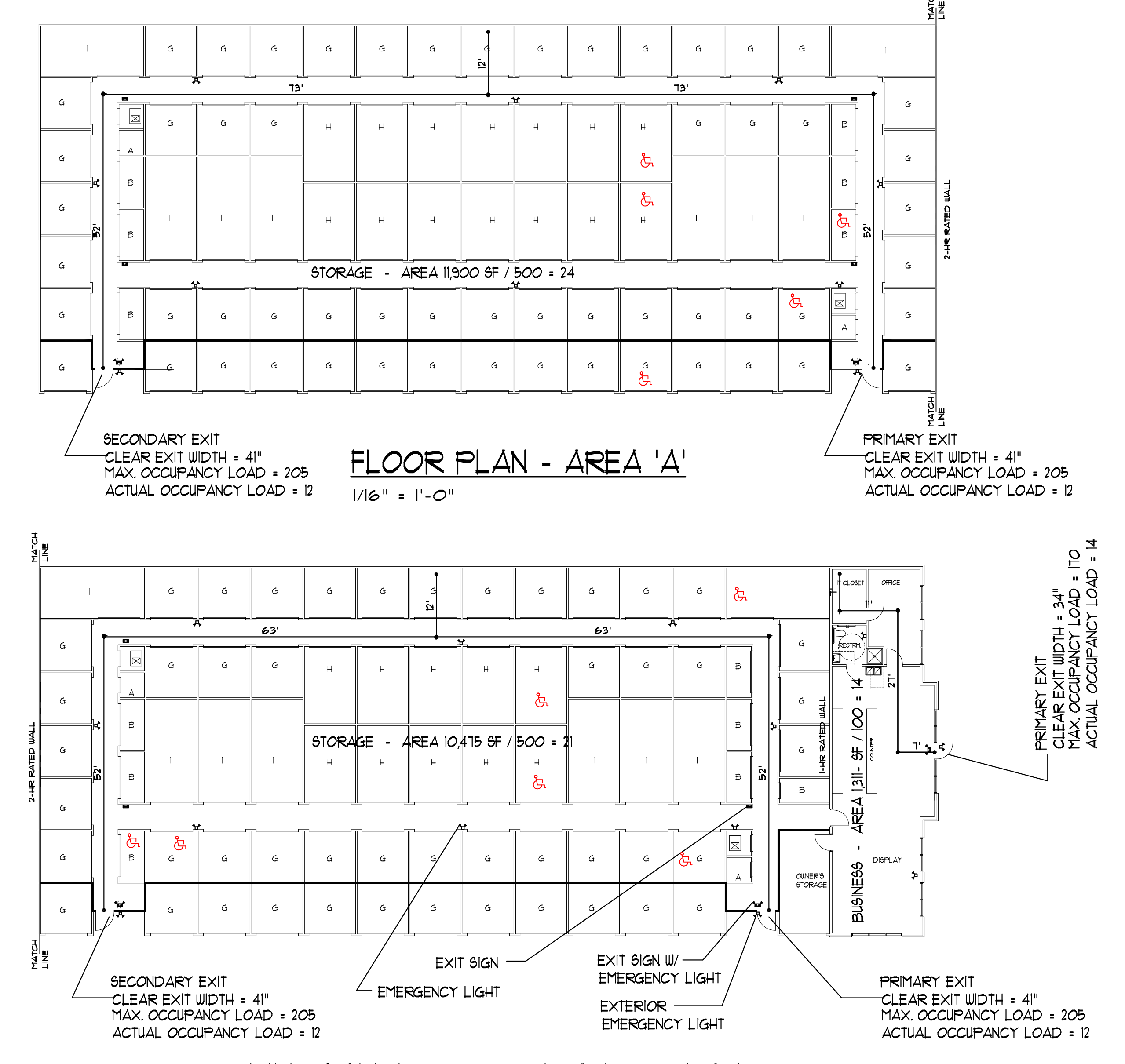
ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attributes required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost standard reference design vs annual energy cost for the proposed design.

Climate Zone: # 3 4 5
Method of Compliance: Prescriptive (Energy Code) Performance (ASHRAE 90.1) Prescriptive (ASHRAE 90.1) Performance (ASHRAE 90.1)

THERMAL ENVELOPE
Roof/Ceiling Assembly (each assembly):
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Skylights in each assembly:
U-Value of skylight: _____
Total square footage of skylights in each assembly: _____
Exterior Walls (each assembly):
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (each assembly):
Description of opening: _____
U-Value of total assembly: _____
Door R-Value: _____
Walls below grade (each assembly):
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Floors over unconditioned space (each assembly):
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/vertical requirement slab tested

NOT REQUIRED PER 2021 NC-EEC

NOTE:
ADA UNITS WILL INCLUDE AN ELECTRIC DOOR LIFT OPERATOR WITH BATTERY BACKUP, PHOTO EYES, EMERGENCY RELEASE AND KEYPAD FOR OPERATION. KEYPAD WILL BE MOUNTED WITHIN ACCESSIBLE REACH RANGES PER ANSI 308.
MANUFACTURER: LIFTMASTER 8950W OR EQUAL
HORIZONTAL SLIDING DOORS SHALL COMPLY WITH SECTION 1010.1.4.3 OF NCBC. ELECTRICAL TO BE COORDINATED.
OCCUPANT DISPERSAL FROM EXITS TO PUBLIC ROAD SHOWN ON SITE PLAN



FLOOR PLAN - AREA 'A'

LIFE SAFETY & OCCUPANCY PLAN

PERCENTAGE OF WALL OPENINGS CALCULATION

Fire Separation Distance (feet) / Non Property Line	Degree of Opening Protection (Table 705.6)	Allowable Area (%)	Actual Shown on Plan (%)
NORTH 10'	UNPROTECTED, NONSPRINKLERED	NO LIMIT	0
WEST 30'	UNPROTECTED, NONSPRINKLERED	NO LIMIT	0
SOUTH 25'	UNPROTECTED, NONSPRINKLERED	NO LIMIT	0
EAST 15' ASSUMED PROPERTY LINE	UNPROTECTED, NONSPRINKLERED	NO LIMIT PER TABLE 705.6.1 ex. 2	54%

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet - COVER SHEET
NA Fire and/or smoke rated wall locations (Chapter 7)
NA Assumed and real property line locations (if not on site plan)
 Exterior wall opening area with respect to distance to assumed property lines (705.6)
 Occupancy Use for each area as it relates to occupancy load calculation (Table 1004.1.2)
 Occupant loads for each area
 Exit access travel distance (101)
 Common path of travel distance (Table 1006.2.1 + 1006.3.2(1))
NA Dead end lengths (1003)
NA Clear exit width for each exit door
NA Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1003.3)
NA Actual occupant load for each exit door
NA A separate schematic plan indicating where fire rated floor ceiling and/or roof structure is provided for purposes of occupancy separation
NA Location of doors with panic hardware (1010.1.0)
NA Location of doors with delayed egress locks and the amount of delay (1010.1.1)
NA Location of doors with electromagnetic egress locks (1010.1.3)
NA Location for doors equipped with hold-open devices
NA Location of emergency escape windows (1020)
NA The square footage of each fire area (C2)
NA The square footage of each smoke compartment for Occupancy Classification 1-2 (401B)
NA Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (Section 1101)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE 'A' UNITS REQUIRED	TYPE 'A' UNITS PROVIDED	TYPE 'B' UNITS REQUIRED	TYPE 'B' UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING (Section 1106)

LOT OR PARKING AREAS	TOTAL # OF PARKING SPACES REQUIRED	# OF ACCESSIBLE SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED REGULAR UNITS 9' ACCESSIBLE	# OF ACCESSIBLE SPACES PROVIDED VAN SPACES WITH 9' ACCESSIBLE	TOTAL NO. ACCESSIBLE UNITS PROVIDED

PLUMBING FIXTURE REQUIREMENTS (Table 2902J)

USE	WATER CLOSETS	URNALS	LAVATORIES	SHOWERS	DRINKING FOUNTAINS
OUTSIDE	EXISTING				
	NEW				
INSIDE	EXISTING				
	NEW	1 UNSEX IN BLDG. 'A'		1 UNSEX IN BLDG. 'A'	N/A
TOTAL	REQUIRED	1 UNSEX IN BLDG. 'A'		1 UNSEX IN BLDG. 'A'	N/A
	PROVIDED	1 UNSEX IN BLDG. 'A'		1 UNSEX IN BLDG. 'A'	

UNIT MIX - TOTAL 4 BLDG.

SIZE	MARK	A	B	C	J	TOTAL	ACCESSIBLE UNITS
5'x5'	A	4	-	-	-	66	BLDG. A 5
5'x10'	B	13	6	8	-	81	
10'x10'	G	105	-	-	3	183	
10'x15'	H	24	52	-	-	88	
10'x20'	I	16	-	60	-	88	
10'x30'	K	-	-	26	44	44	BLDG. J 3
12'x30'	Z	-	-	15	30	30	
TOTAL		162	58	68	44	332	13
NET SQ. FT. PER BLDG.		18,284	8,100	12,400	13,500	52,284	13
GROSS SQ. FT. PER BLDG.		23,508	8,100	12,400	13,500	67,508	13

UNIT CALCULATIONS

CODE REQUIREMENTS	PERCENTAGE	# OF UNITS	# OF ADA UNITS REQ.
5% OF THE FIRST 200 UNITS	5%	100	10
2% OF REMAINING UNITS	2%	232	26.4
TOTAL		332	3

NOTE: ALL ACCESSIBLE STORAGE UNIT DOORS SHALL HAVE A MAX. 5 LB. FULL

NEW STORAGE FACILITY FOR BLDG. 'A' HARNETT SELF STORAGE SPOUT SPRINGS, NC

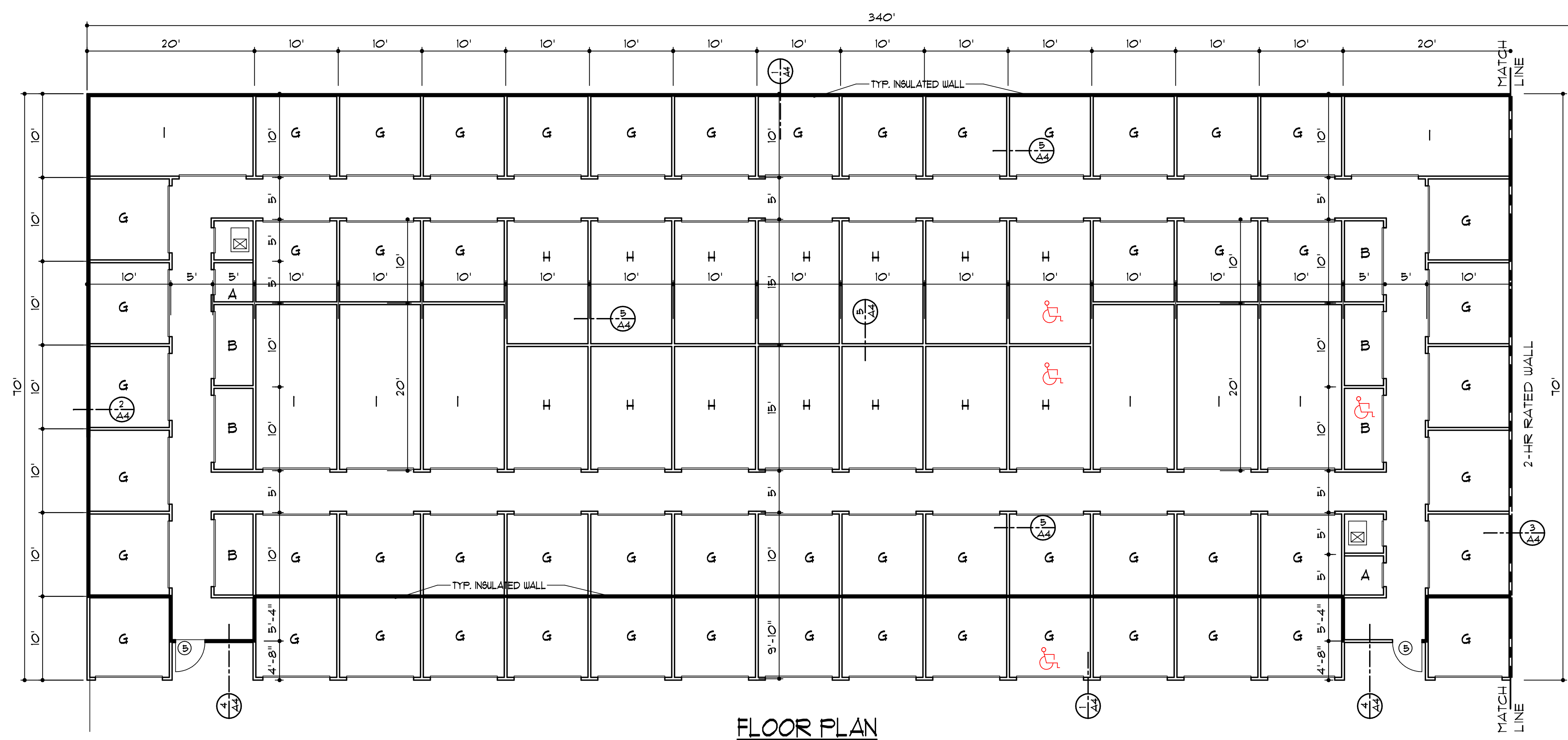
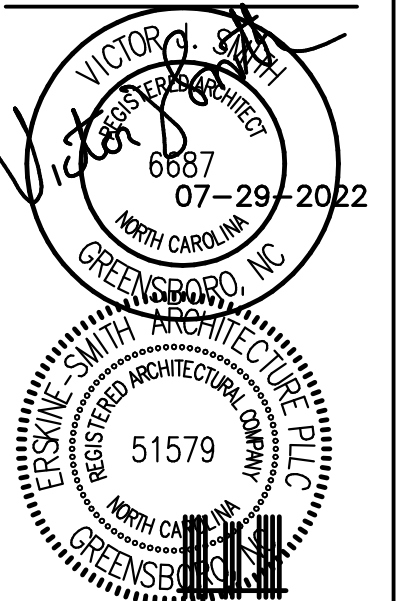
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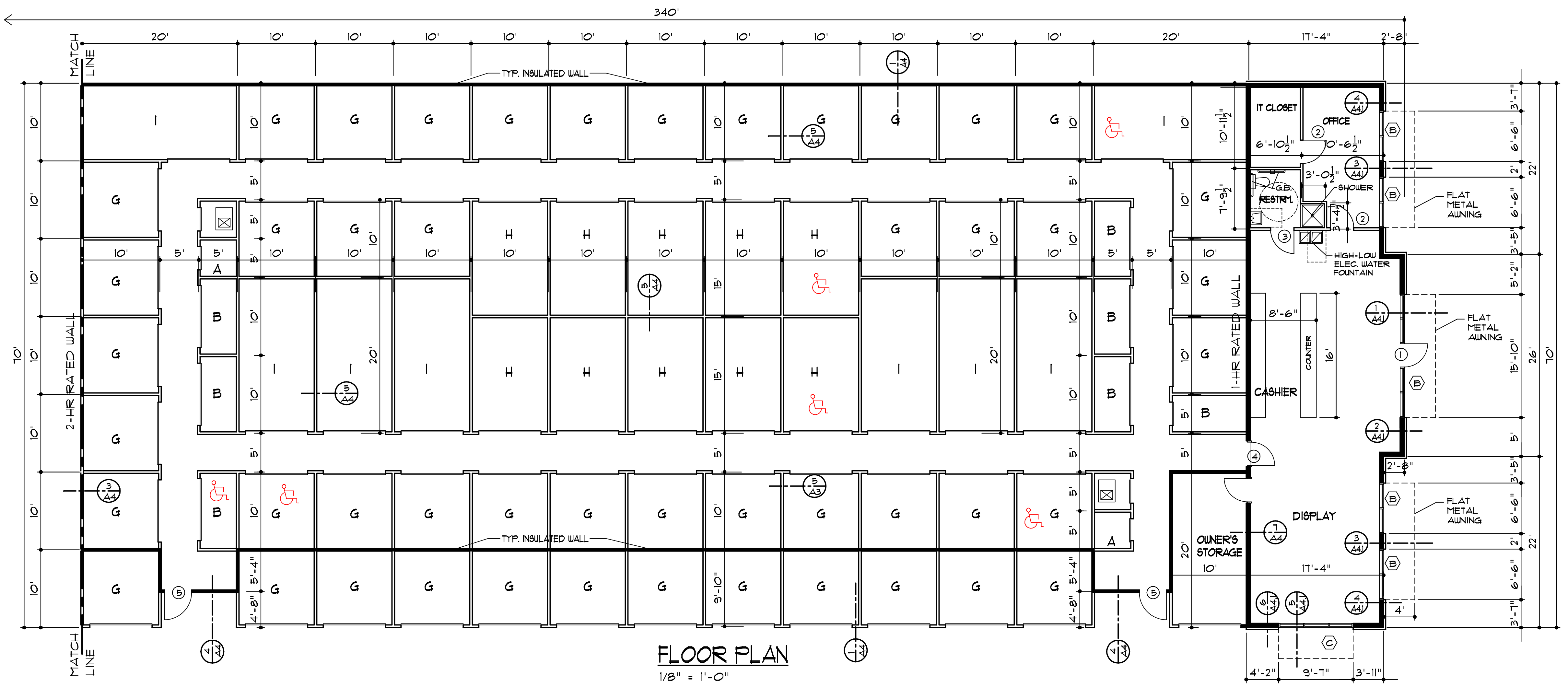
FLOOR PLAN
 1/8" = 1'-0"

DOOR SCHEDULE						
MARK	QUANTITY	UNIT SIZE	MATERIAL	GLAZING	FRAME	HARDWARE
1	1	3'-0" x 7'-0" x 13/4"	ALUM. STOREFRONT	FULL LITE	ALUM.	PUSH / PULL W/ LOCK SET, 1/2 pr BUTT HINGE, SILENCERS, DOOR STOP, CLOSER
2	2	3'-0" x 7'-0" x 13/4"	SOLID CORE BIRCH/VNA		16 ga. METAL	LEVER HANDLE LOCK SET, 1/2 pr BUTT HINGE, SILENCERS, DOOR STOP
3	1	3'-0" x 7'-0" x 13/4"	SOLID CORE BIRCH/VNA		16 ga. METAL	LEVER HANDLE PASSAGE SET, 1/2 pr BUTT HINGE, SILENCERS, DOOR STOP
4	1	3'-0" x 7'-0" x 13/4"	SOLID CORE METAL/VNA		16 ga. METAL	LEVER HANDLE LOCK SET, 1/2 pr BUTT HINGE, DOOR STOP, 1/2 HC THRESHOLD, CLOSER, (20 MIN. ASSEMBLY)
5	4	3'-6" x 7'-0" x 13/4"	INSUL. METAL	6"x30" VISION PANEL	16 ga. METAL	LEVER HANDLE LOCK SET, 2 pr BUTT HINGE, SILENCERS CLOSER, 1/2 HC THRESHOLD, WEATHER-STRIPPING

NOTE: 1. ALL INTERIOR OVERHEAD DOORS BY "METAL BUILDING COMPANY"

WINDOW SCHEDULE						
MARK	QUANTITY	UNIT SIZE	MATERIAL	GLAZING	FRAME	HARDWARE
A	1	15'-10" x 8'-0"	ALUM. STOREFRONT	FULL LITE	ALUM.	ALUM. STOREFRONT W/ 1" LOW-E INSUL. GLASS WITH DOOR #1
B	4	6'-6" x 8'-0"	ALUM. STOREFRONT	FULL LITE	ALUM.	ALUM. STOREFRONT W/ 1" LOW-E INSUL. GLASS
C	1	9'-7" x 8'-0"	ALUM. STOREFRONT	FULL LITE	ALUM.	ALUM. STOREFRONT W/ 1" LOW-E INSUL. GLASS

UNIT MIX - TOTAL 4 BLDG.							
SIZE	MARK	BUILDING TYPE				TOTAL	ACCESSIBLE UNITS
		A	B	C	J		
5'x5'	A	4	-	-	-	66	BLDG. A 5
5'x10'	B	13	6	8	-	81	
10'x10'	G	105	-	-	3	51	BLDG. A 5
10'x15'	H	24	52	-	-	183	
10'x20'	I	16	-	60	-	88	BLDG. J 3
10'x30'	K	-	-	-	26	44	
12'x30'	Z	-	-	-	15	30	
TOTAL		162	58	68	44	332	
NET SQ. FT. PER BLDG.		18,284	8,100	12,400	13,500	55,284	SQ. FT. NET TOTAL
GROSS SQ. FT. PER BLDG.		23,508	8,100	12,400	13,500	57,508	SQ. FT. GROSS TOTAL



FLOOR PLAN
 1/8" = 1'-0"

NOTE:
 ADA UNITS WILL INCLUDE AN ELECTRIC DOOR LIFT OPERATOR WITH BATTERY BACKUP, PHOTO EYES, EMERGENCY RELEASE AND KEYPAD FOR OPERATION. KEYPAD WILL BE MOUNTED WITHIN ACCESSIBLE REACH RANGES PER ANSI 308. MANUFACTURER: LIFT MASTER 8950W OR EQUAL

HORIZONTAL SLIDING DOORS SHALL COMPLY WITH SECTION 1010.1.4.3 OF NCBC. ELECTRICAL TO BE COORDINATED.

OCCUPANT DISPERSAL FROM EXITS TO PUBLIC ROAD SHOWN ON SITE PLAN

NOTE:
 1. EXTERIOR WALL DIMENSIONS TAKEN FROM EXTERIOR FACE OF STUD
 2. INTERIOR WALL DIMENSIONS TAKEN FROM CENTER LINE OF WALL
 3. OVERHEAD DOORS FOR STORAGE UNITS SUPPLIED AND SIZED BY METAL BLDG. MANUFACTURER
 4. EXTERIOR WALLS TO BE INSULATED EXCEPT AT EXTERIOR STORAGE UNITS
 5. WALL BETWEEN EXTERIOR ENTRANCE STORAGE UNITS AND INTERIOR STORAGE UNITS TO BE INSULATED.
 6. WALLS BETWEEN OFFICE & STORAGE AREA TO BE INSULATED
 7. PROVIDE BLOCKING BEHIND SINK, TOILET, WATER FOUNTAIN & SHOWER
 8. SHOWER UNIT TO BE ACCESSIBLE TYPE WITH 1/2" THRESHOLD & GRAB BARS

**NEW STORAGE FACILITY FOR
 HARNETT SELF STORAGE
 SPOUT SPRINGS, NC**

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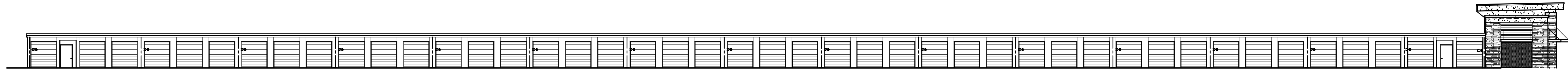
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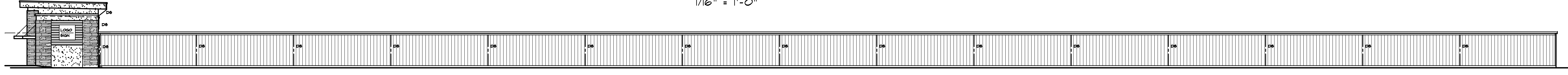
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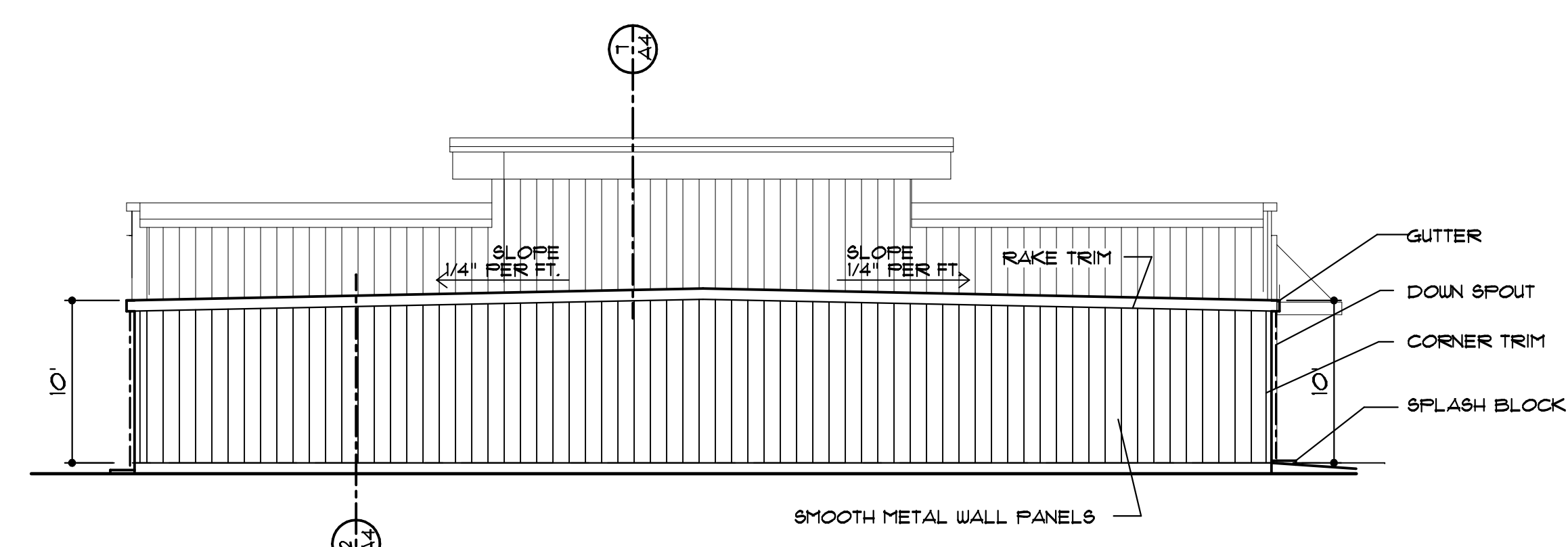
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EAST ELEVATION
 1/16" = 1'-0"



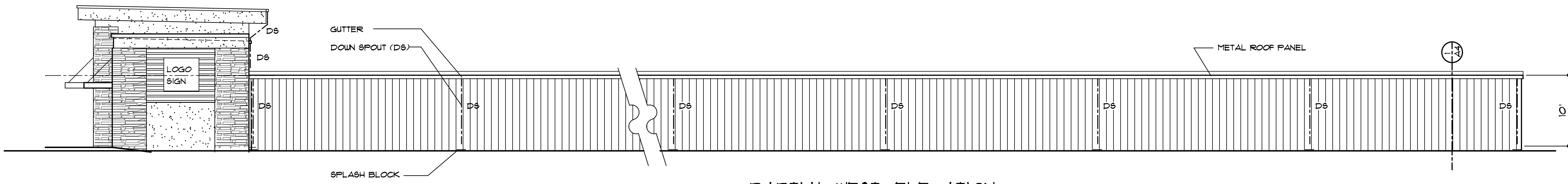
WEST ELEVATION
 1/16" = 1'-0"



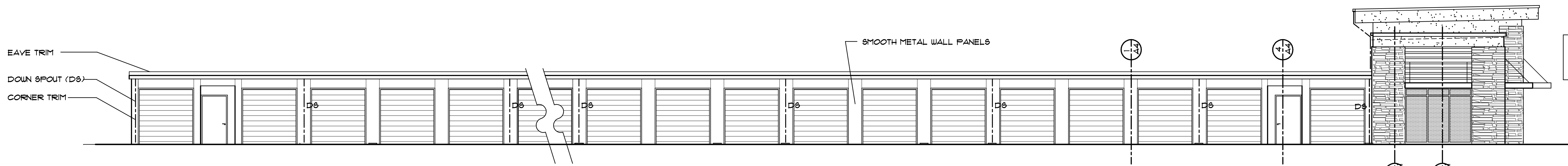
ALL RAIN LEADER TO HAVE SPLASH BLOCKS

DOWN SPOUTS & GUTTERS
 ROOF AREA = 13,500 SF
 GUTTER LENGTH = 450' LF
 GUTTER SIZE = 5" w X 4" d
 # DOWN SPOUT (3" x 4") = 16
 AREA PER DOWN SPOUT = 844 sf

SOUTH ELEVATION
 1/8" = 1'-0"

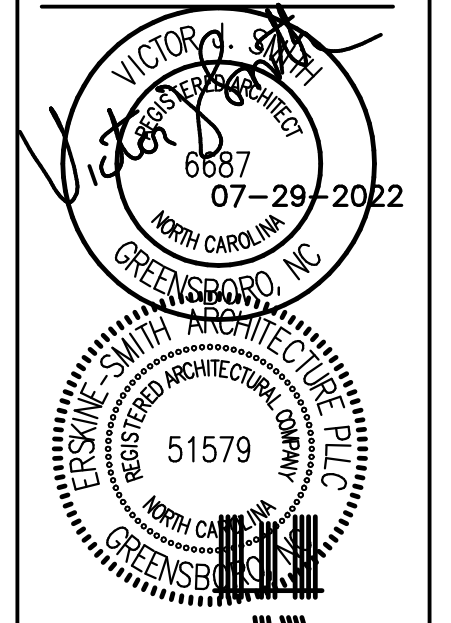


PARTIAL WEST ELEVATION
 1/8" = 1'-0"



NOTE: SEE SHEET A-3 FOR ADDITIONAL NOTES AND DIMENSIONS

PARTIAL EAST ELEVATION
 1/8" = 1'-0"



NEW STORAGE FACILITY FOR HARNETT SELF STORAGE
 SPOUT SPRINGS, NC

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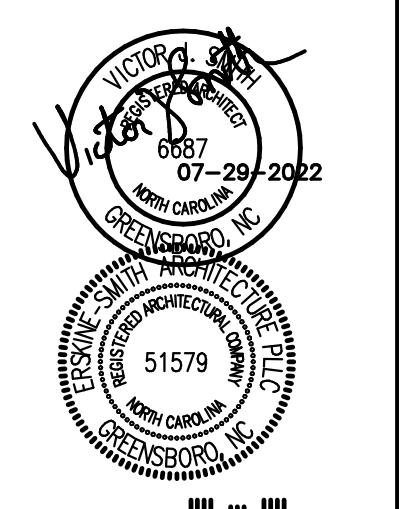
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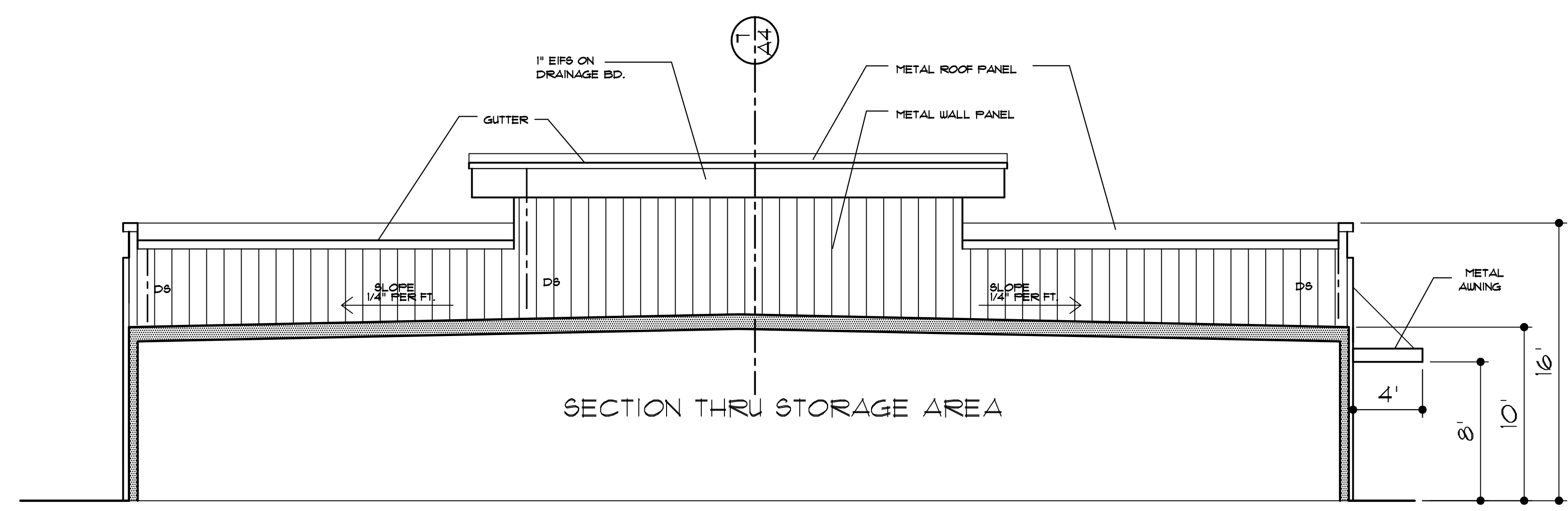
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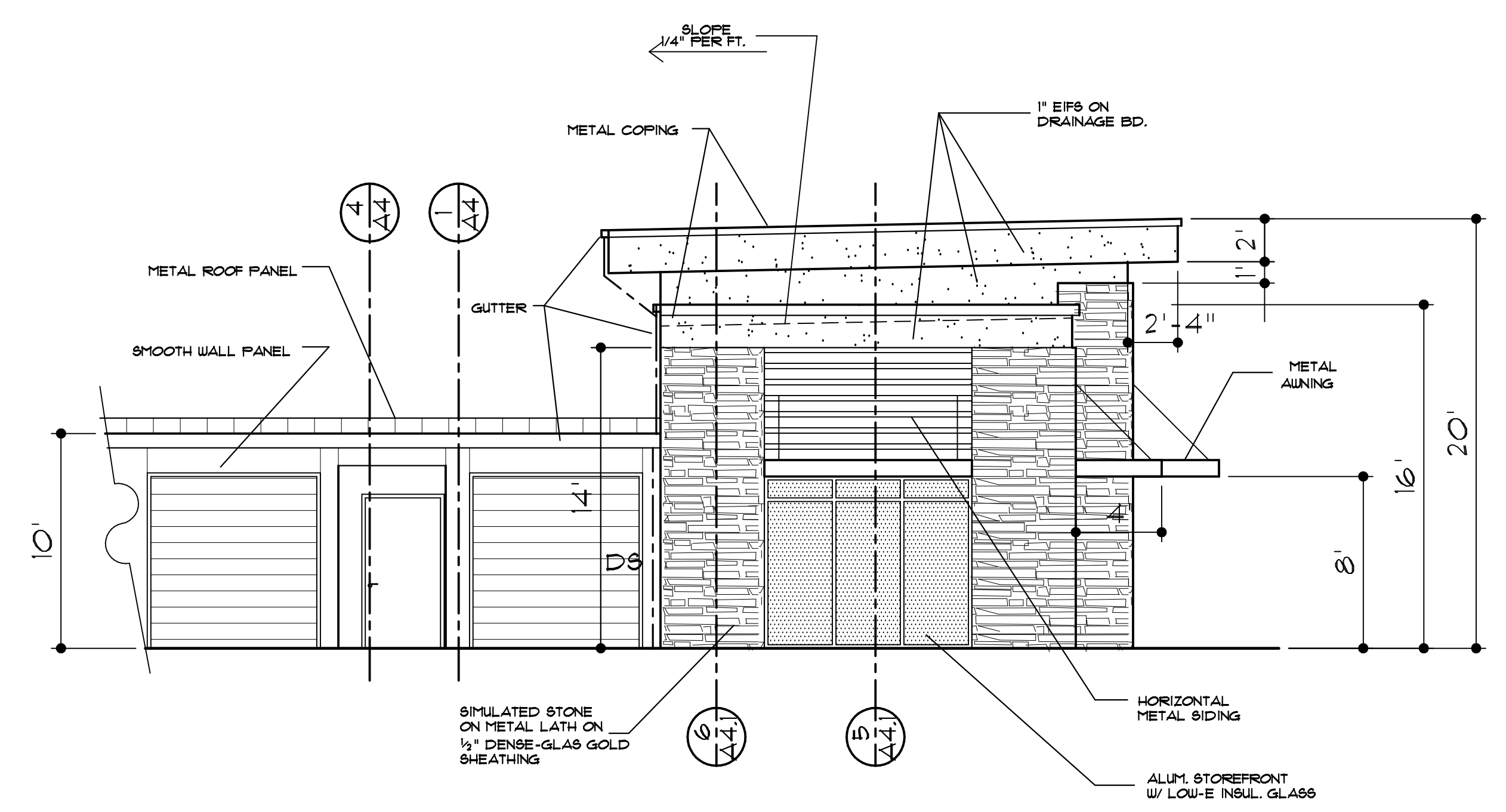
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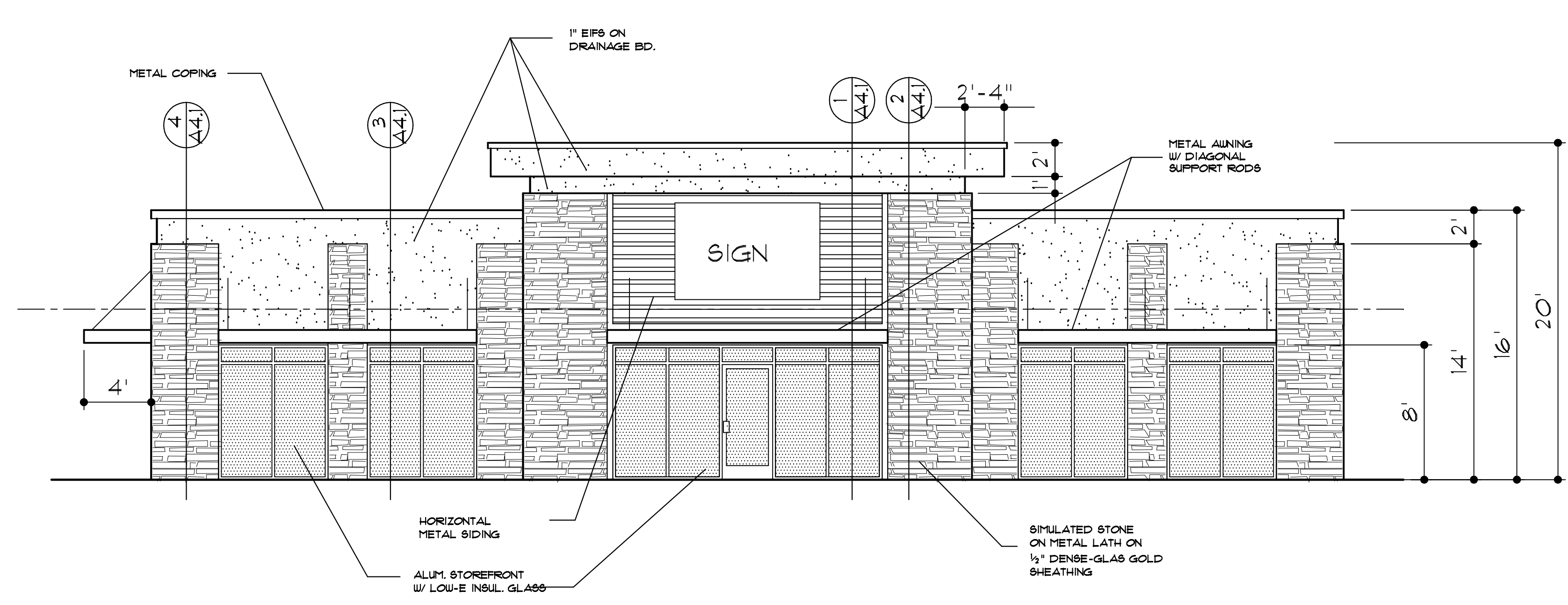
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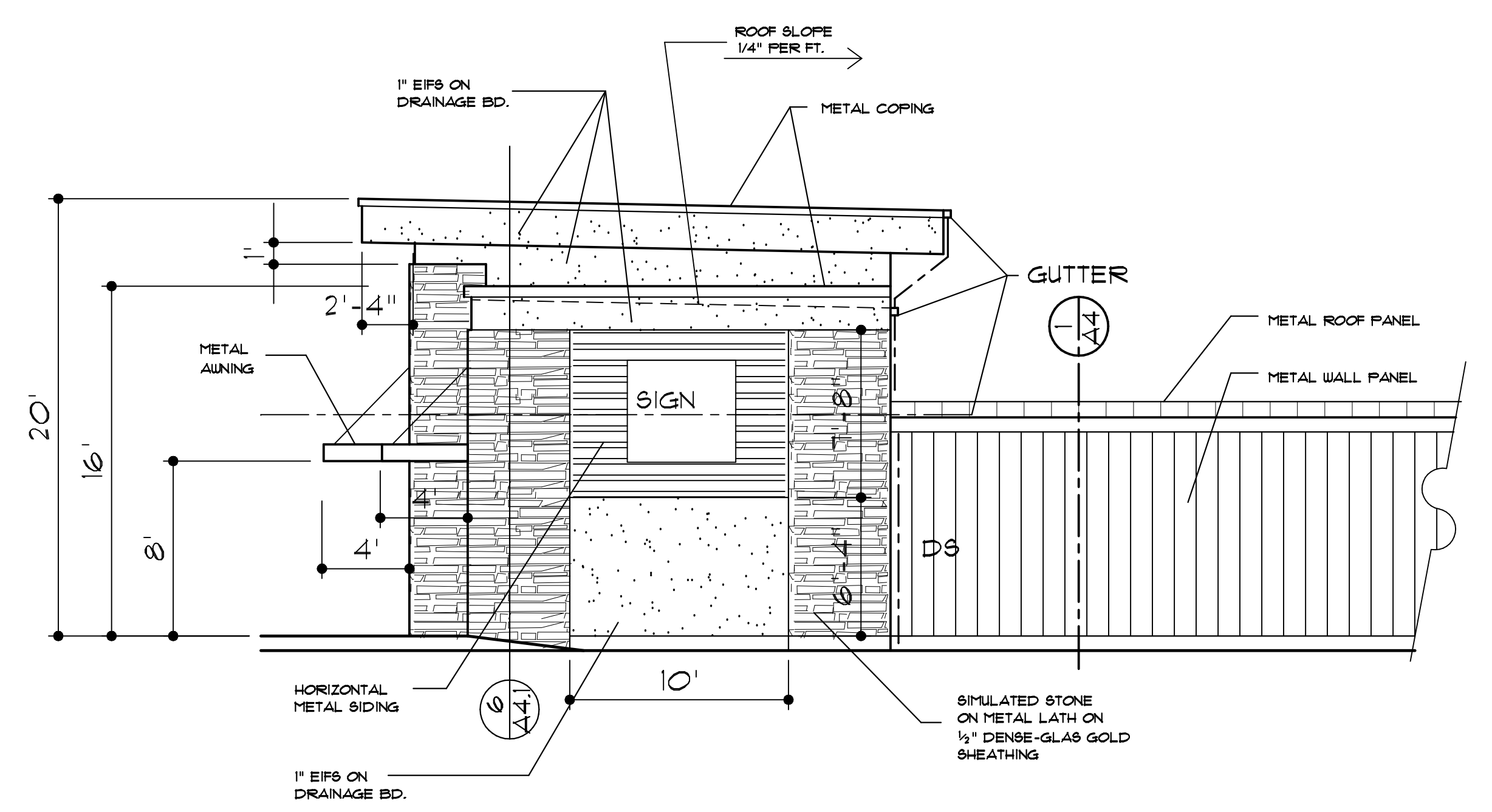
SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION



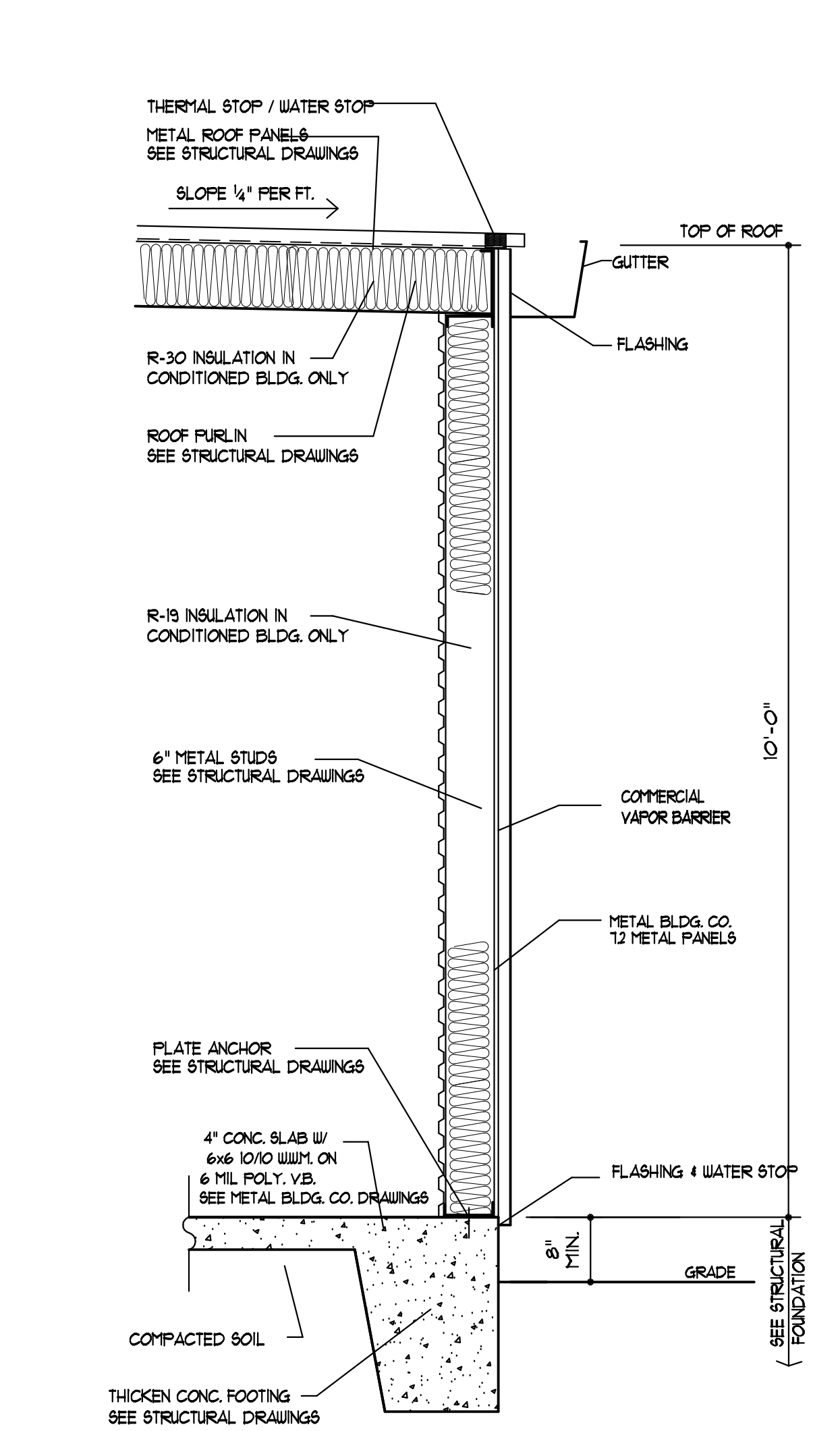
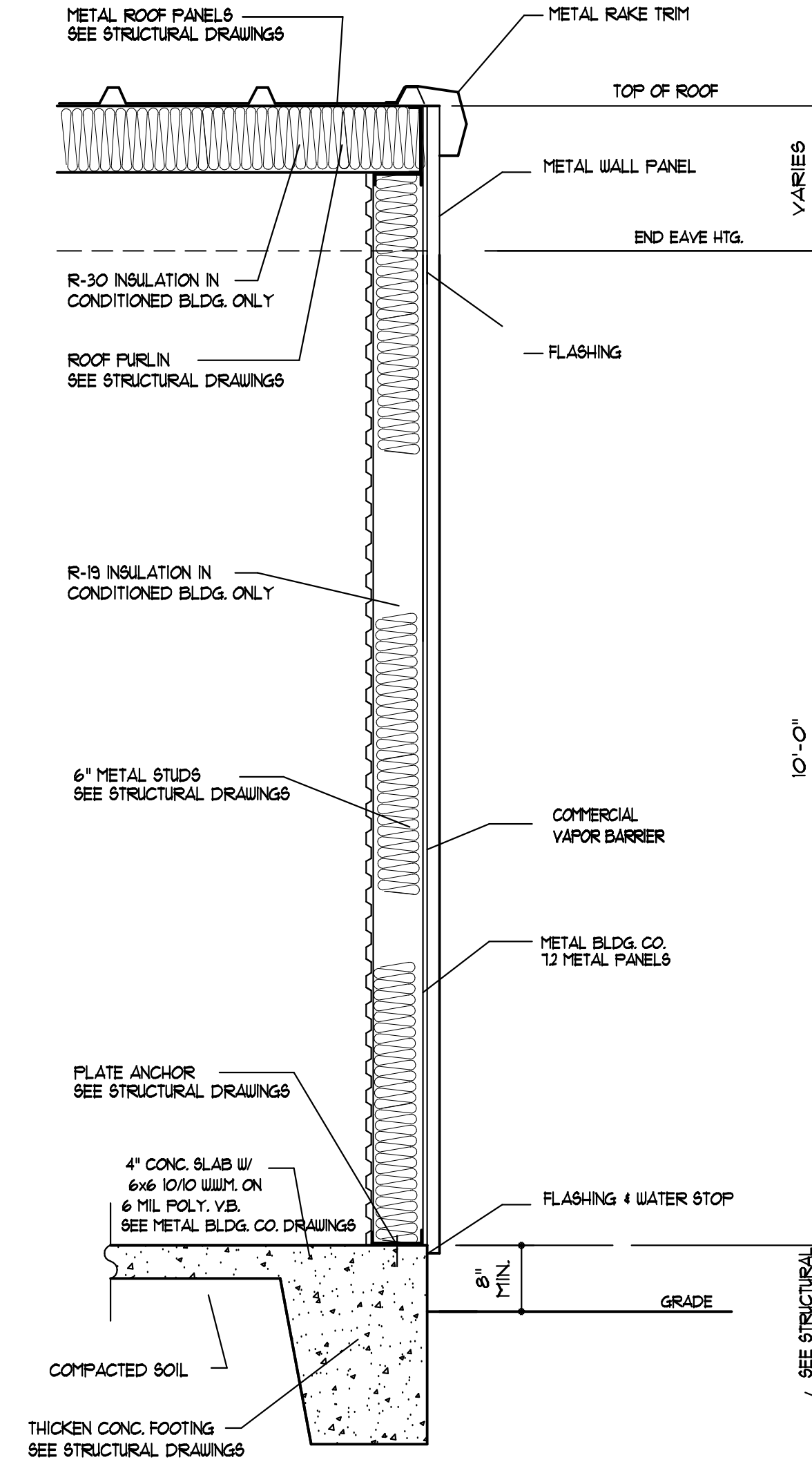
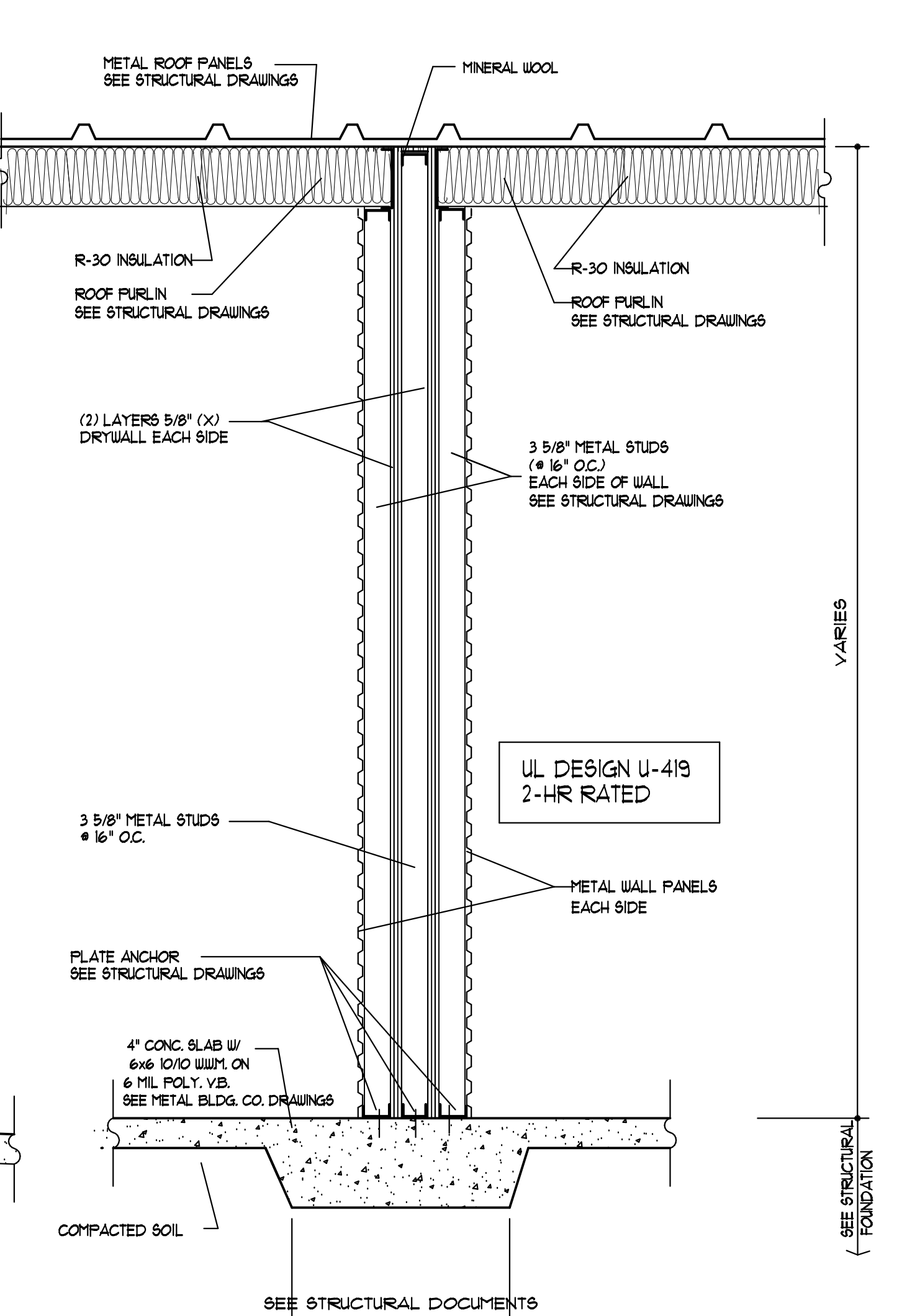
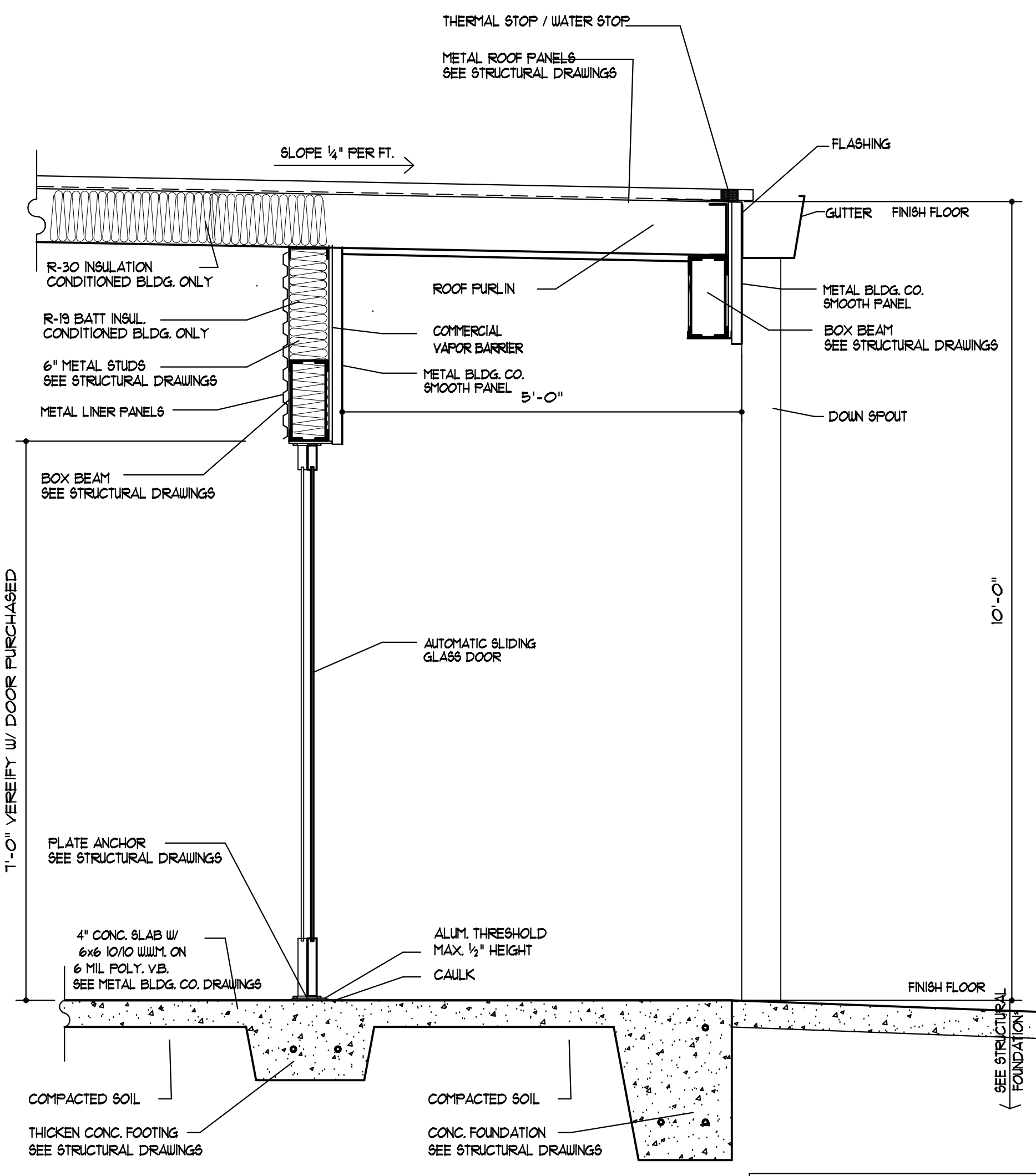
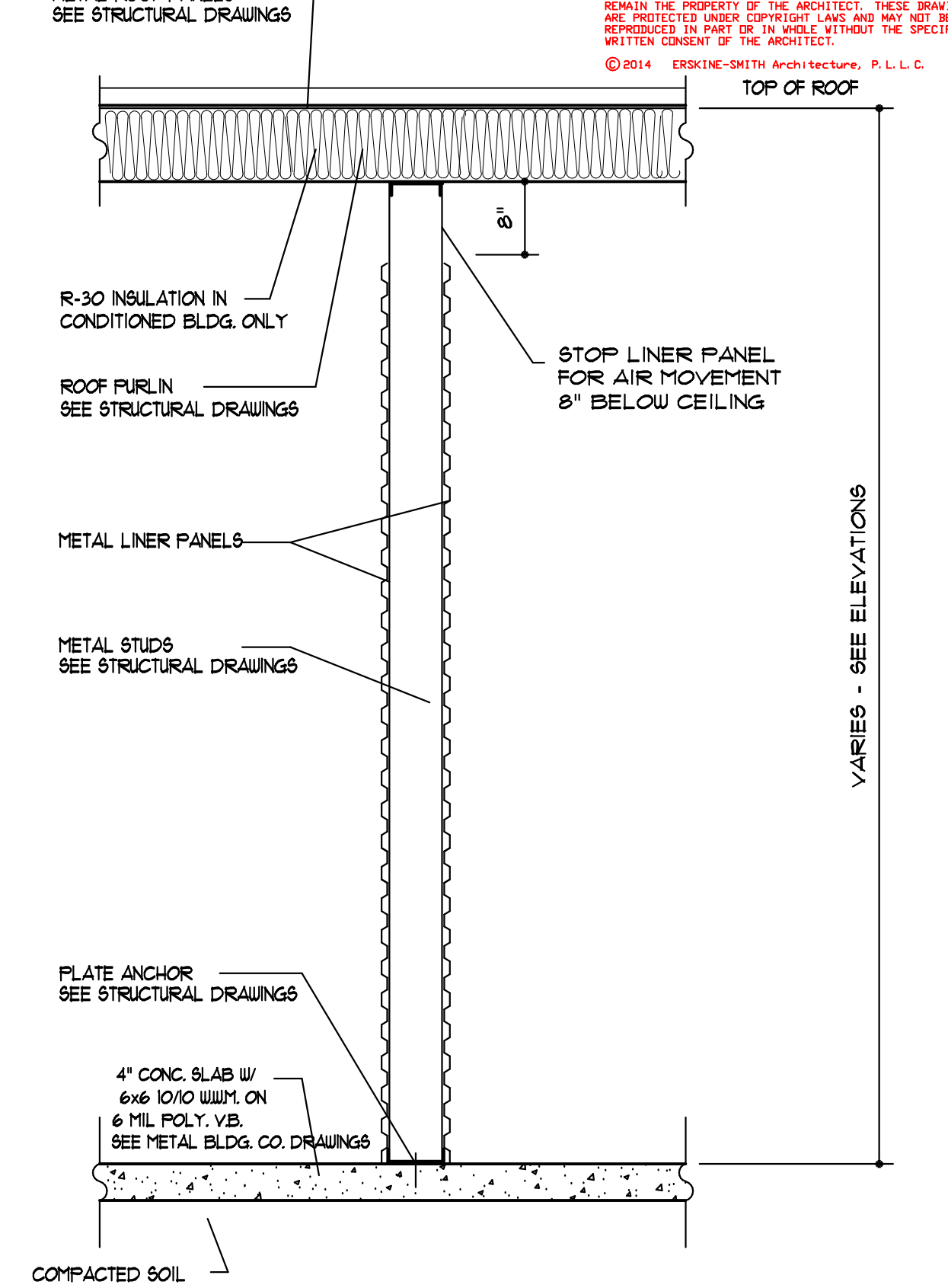
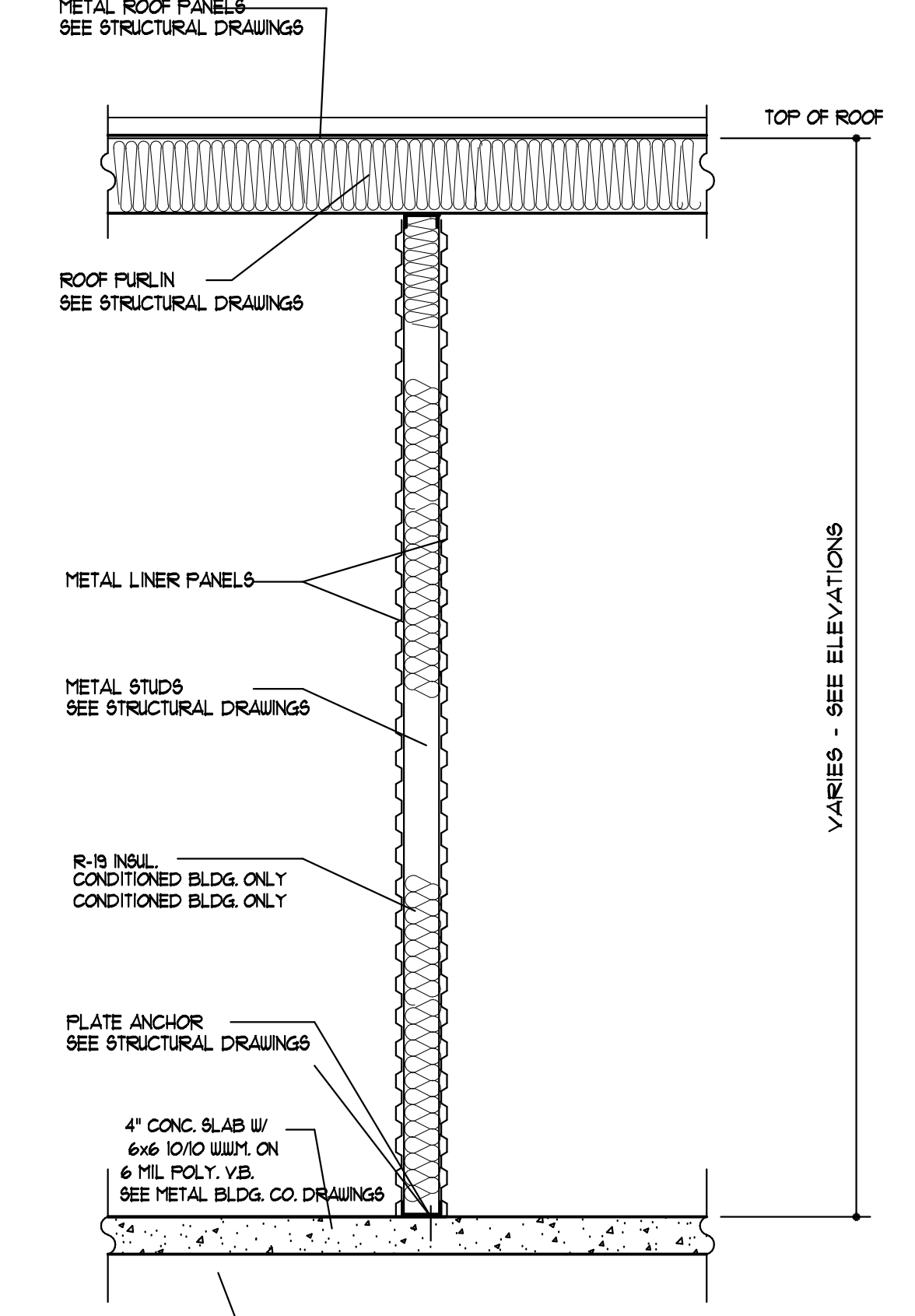
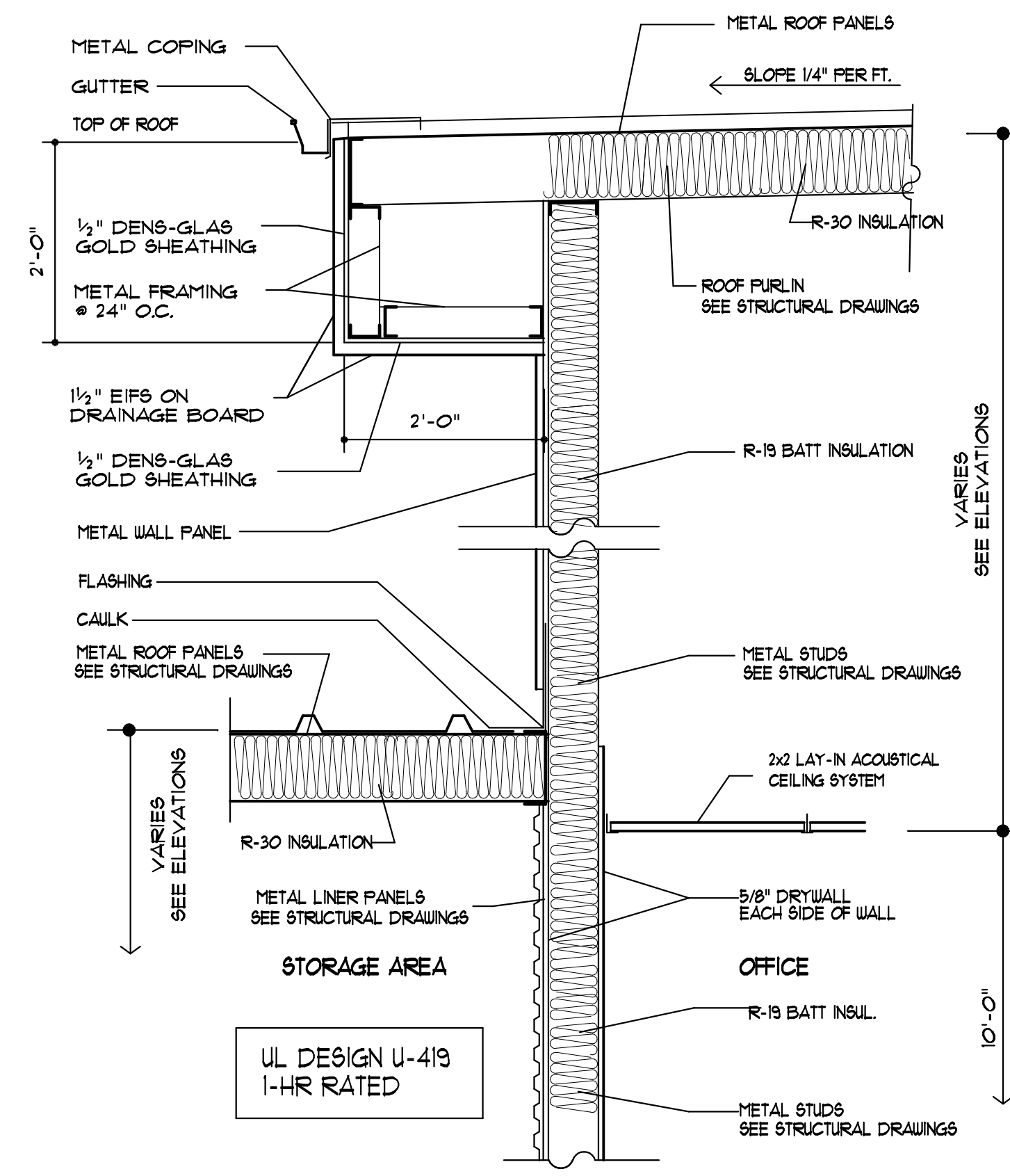
WEST ELEVATION

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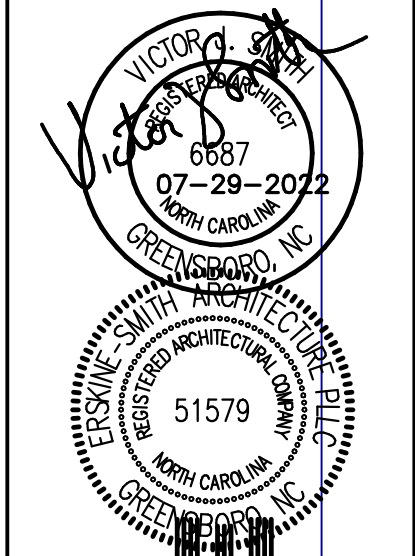
A-3



NOTE: STRUCTURAL ENGINEERS DESIGN & DETAILS SHALL OVERRIDE ARCHITECTURAL DETAILS

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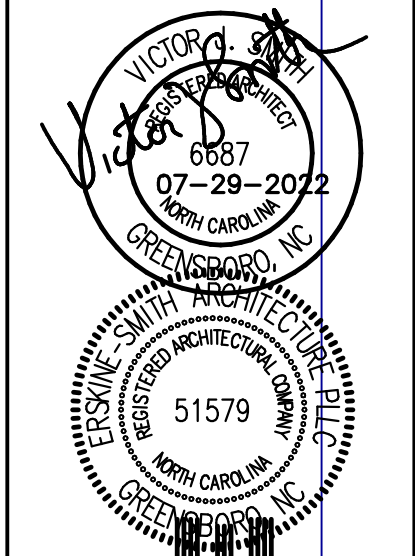
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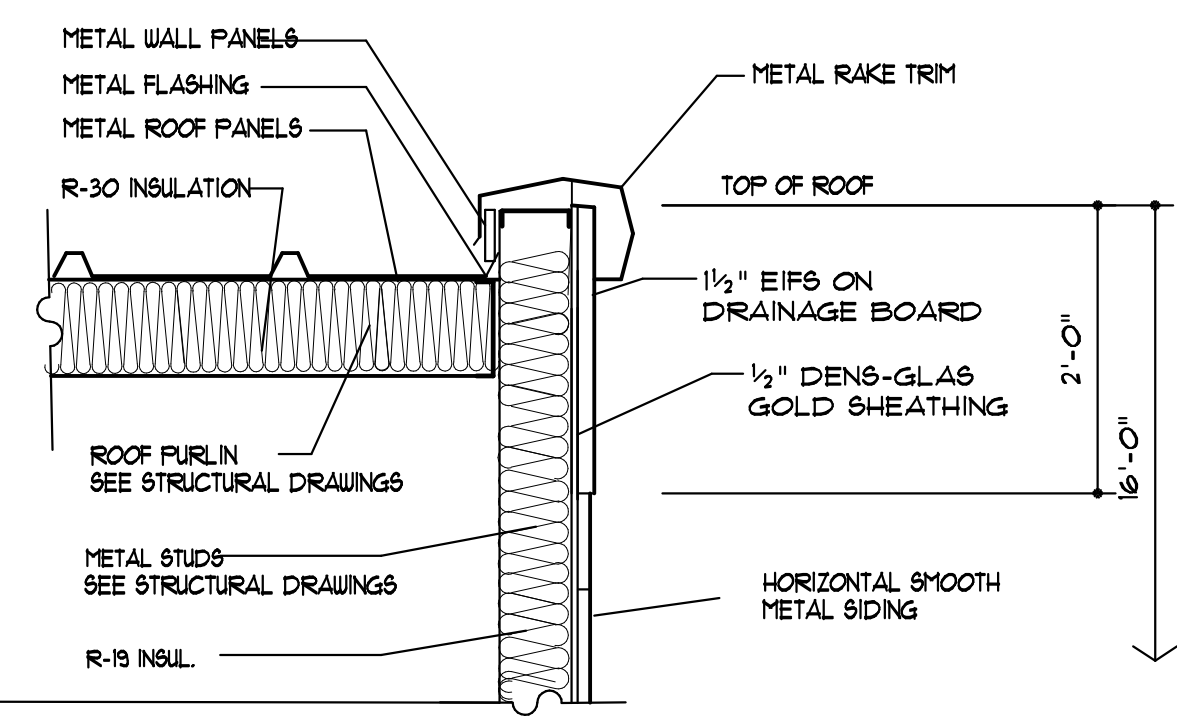
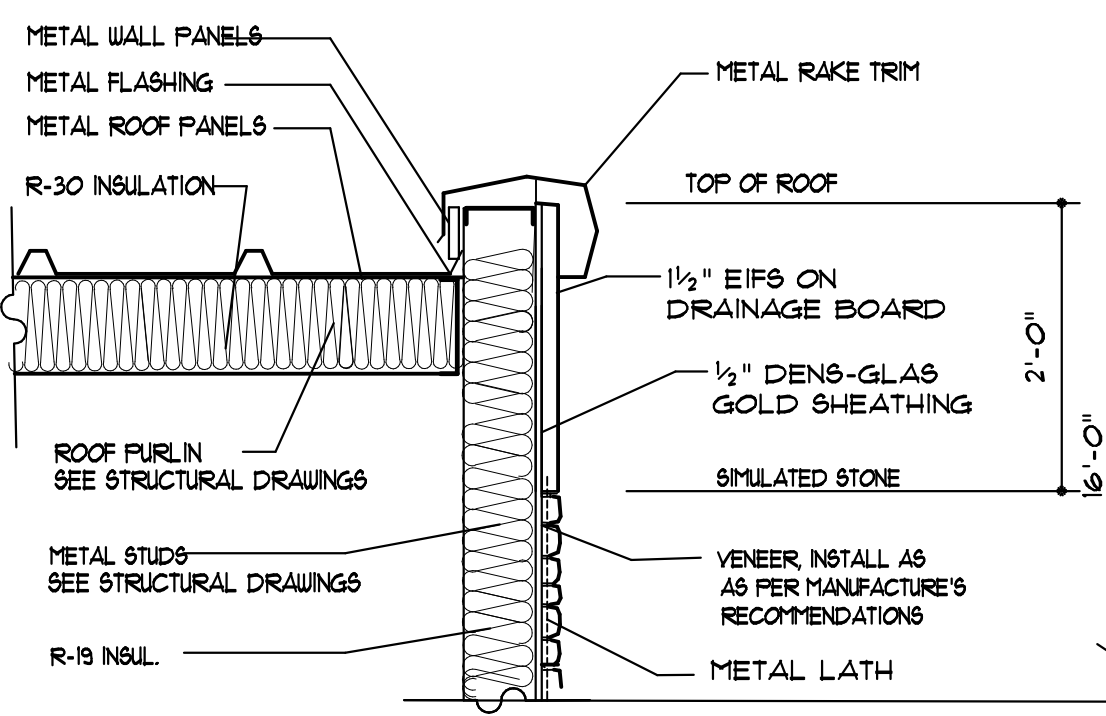
A-3
 BLDG. 'A'

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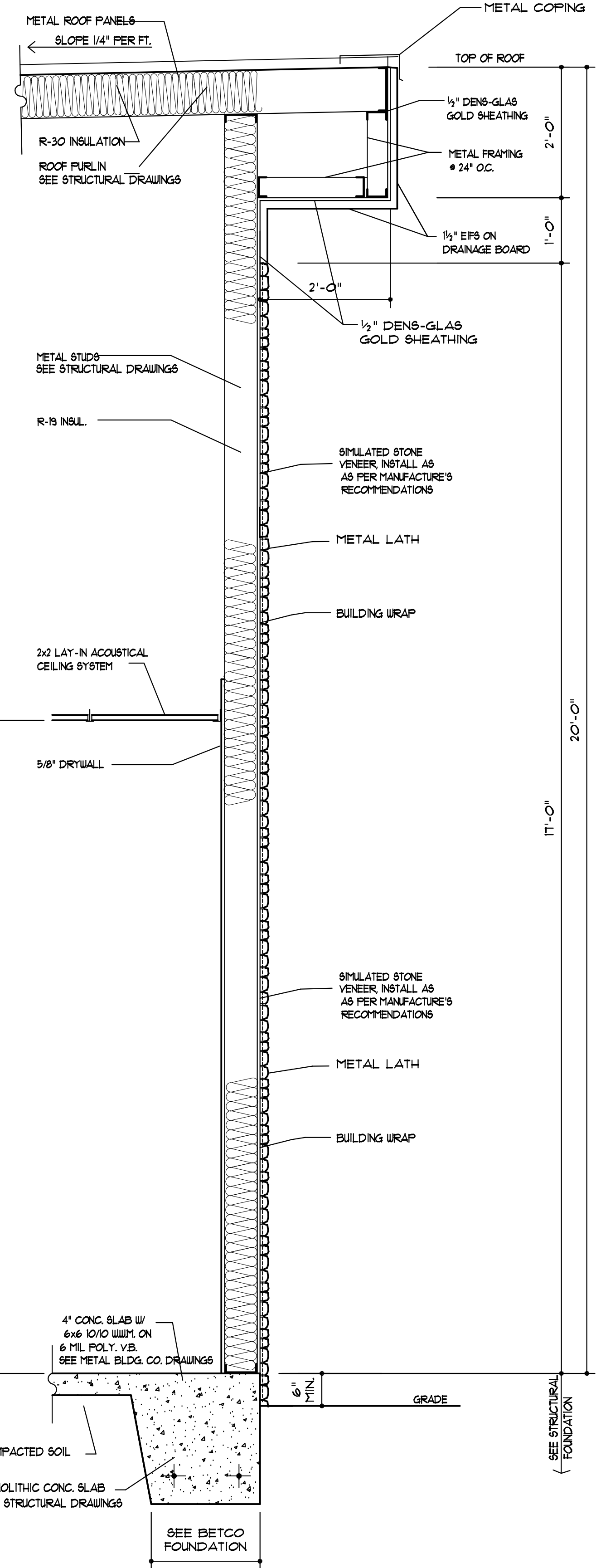


NEW STORAGE FACILITY FOR HARNETT SELF STORAGE
 SPOUT SPRINGS, NC

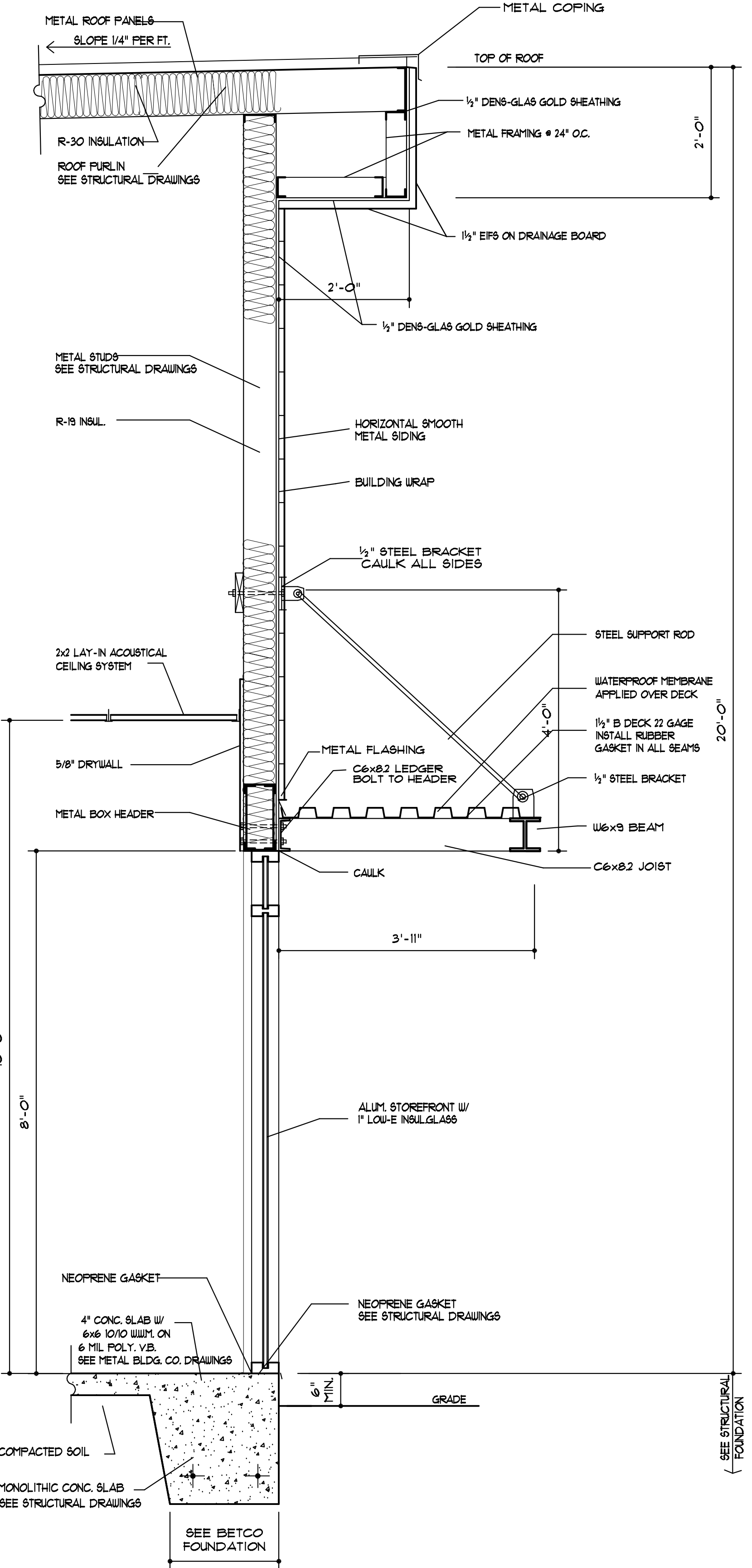


6 TYP. EXTERIOR END WALL
 A-4.1

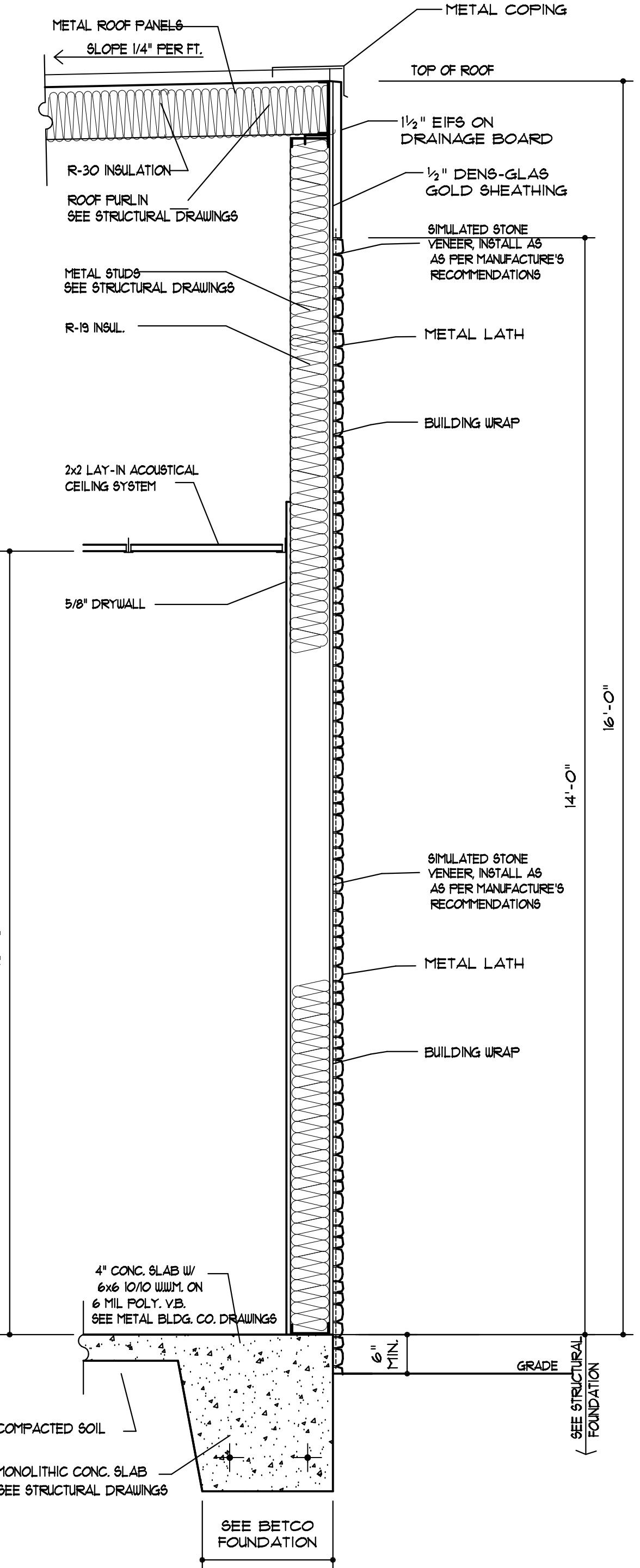
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 A-4.1



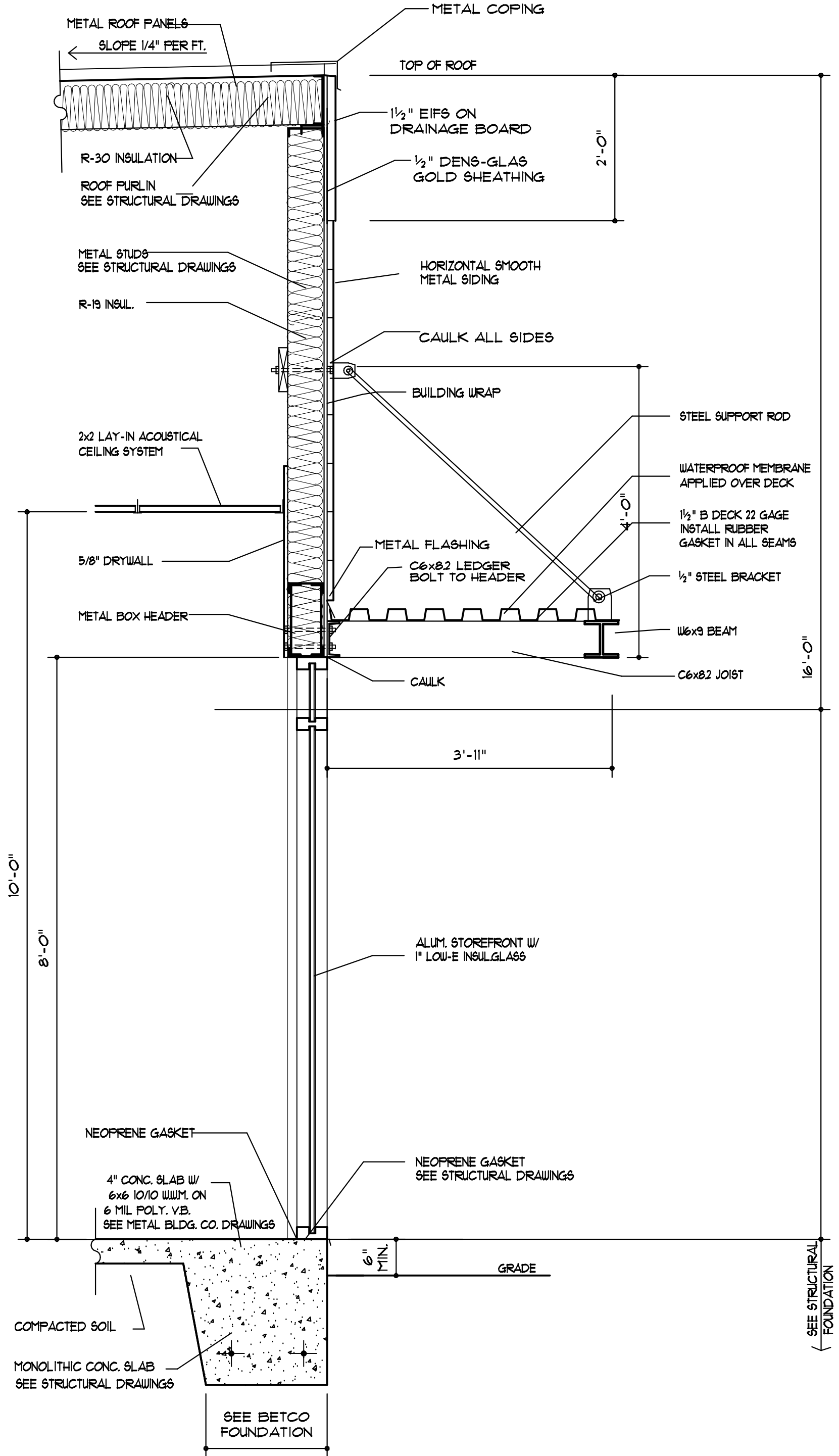
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 A-4.1



1 TYP. EXTERIOR END WALL
 A-4.1



4 TYP. EXTERIOR END WALL
 A-4.1



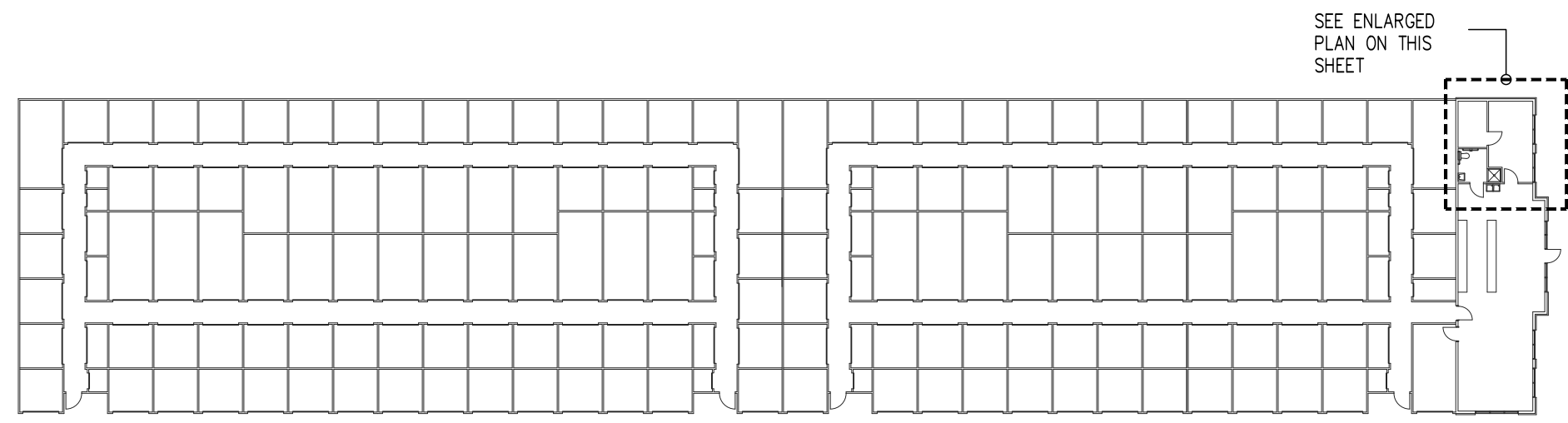
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 A-4.1

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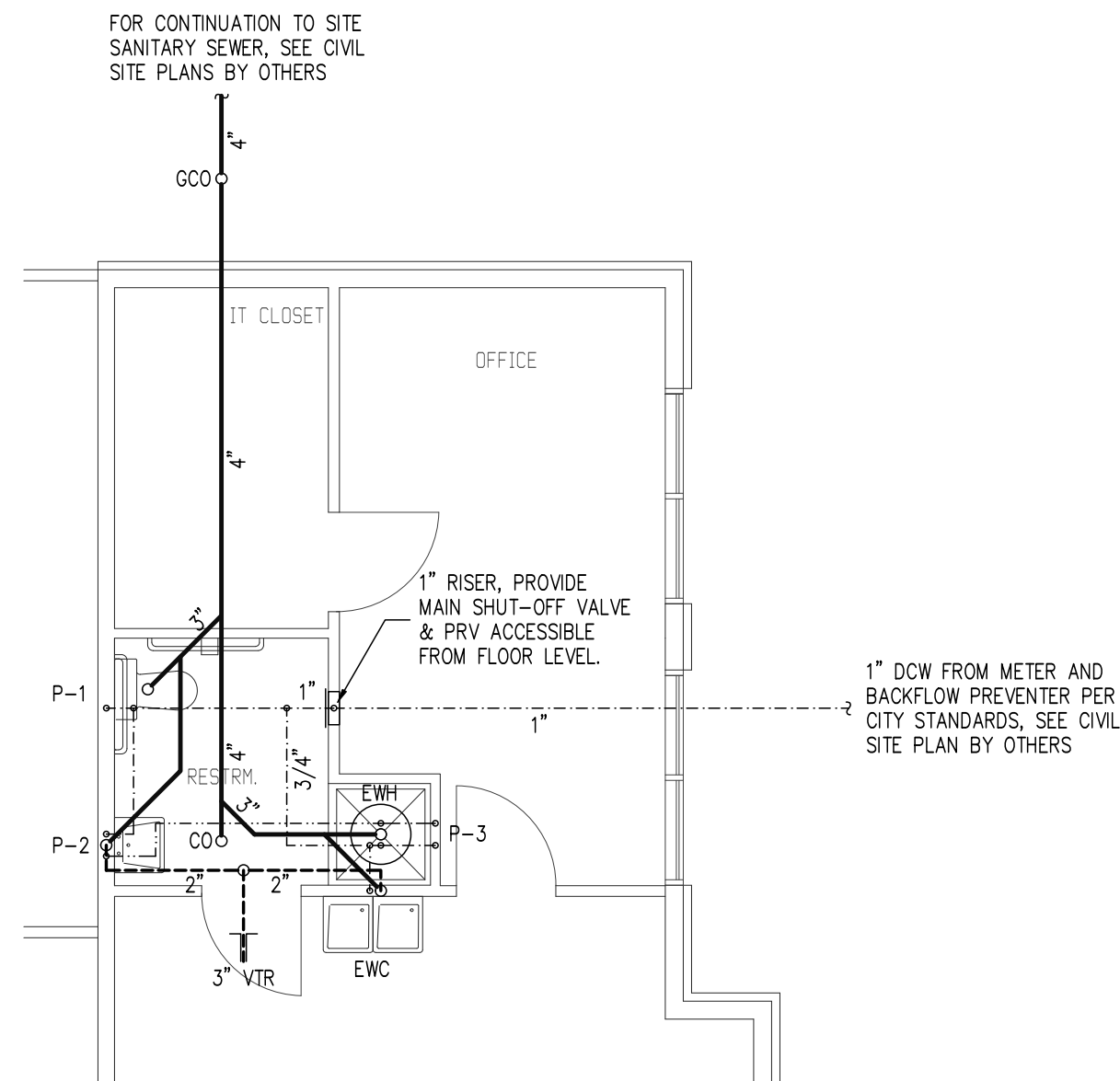
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 CHECKED BY: VJS
 DATE: 03-08-2022
 SCALE: 3/4" = 1'-0"
 FILE:
 SHEET NUMBER:

A-4.1
 BLDG. 'A'

NOTE: DO NOT SCALE DRAWINGS
 PDF & PRINTING CHANGES SCALE



KEY PLAN
NO SCALE



DWV RISER DIAGRAM
NO SCALE

PIPING SYMBOL LEGEND

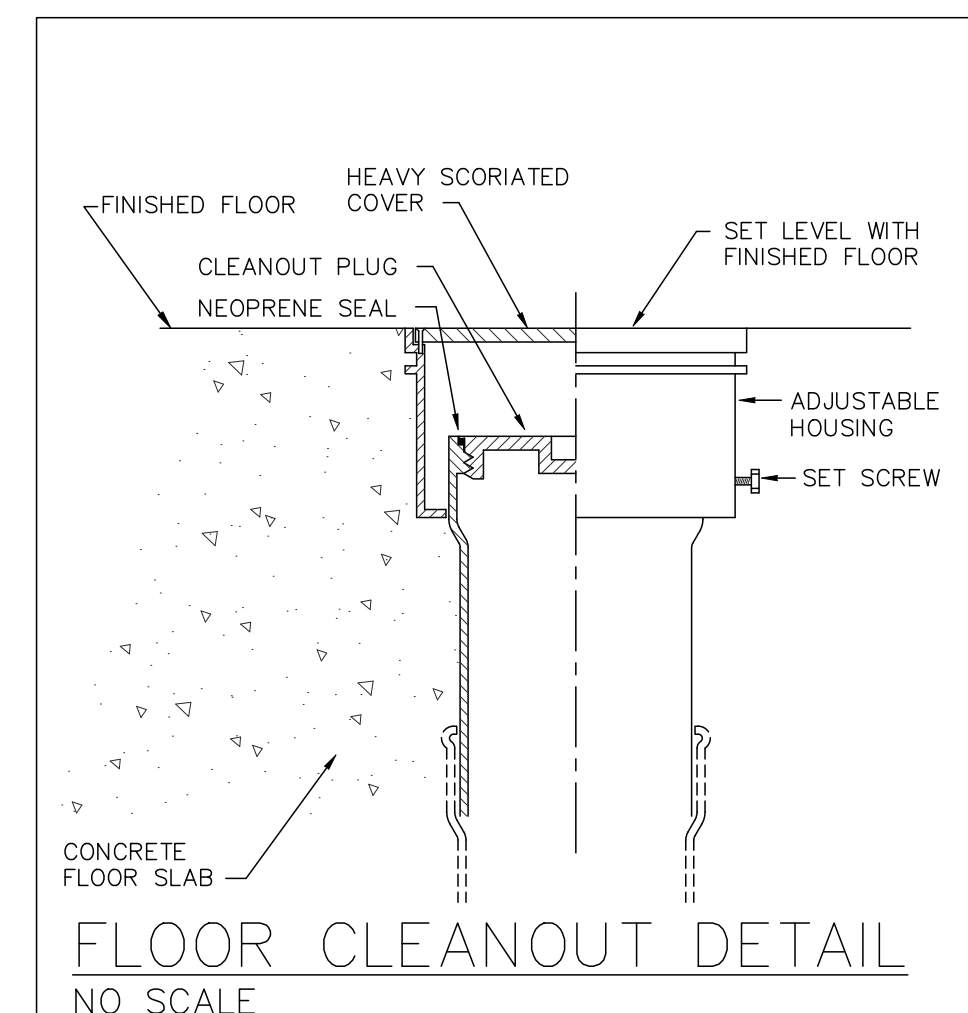
	SANITARY SOIL OR WASTE PIPING
	SANITARY BUILDING DRAIN
	CLEAN-OUT
	COLD WATER
	HOT WATER (110°)
	NATURAL GAS
	HOSE BIB
	ANTI FREEZE HYDRANT
	PIPE TURNING UP/DOWN
	SHUTOFF VALVE (BALL TYPE)
	CHECK VALVE
	FIXTURE IDENTIFICATION
	CONNECT TO EXISTING

PLUMBING ABBREVIATION LEGEND

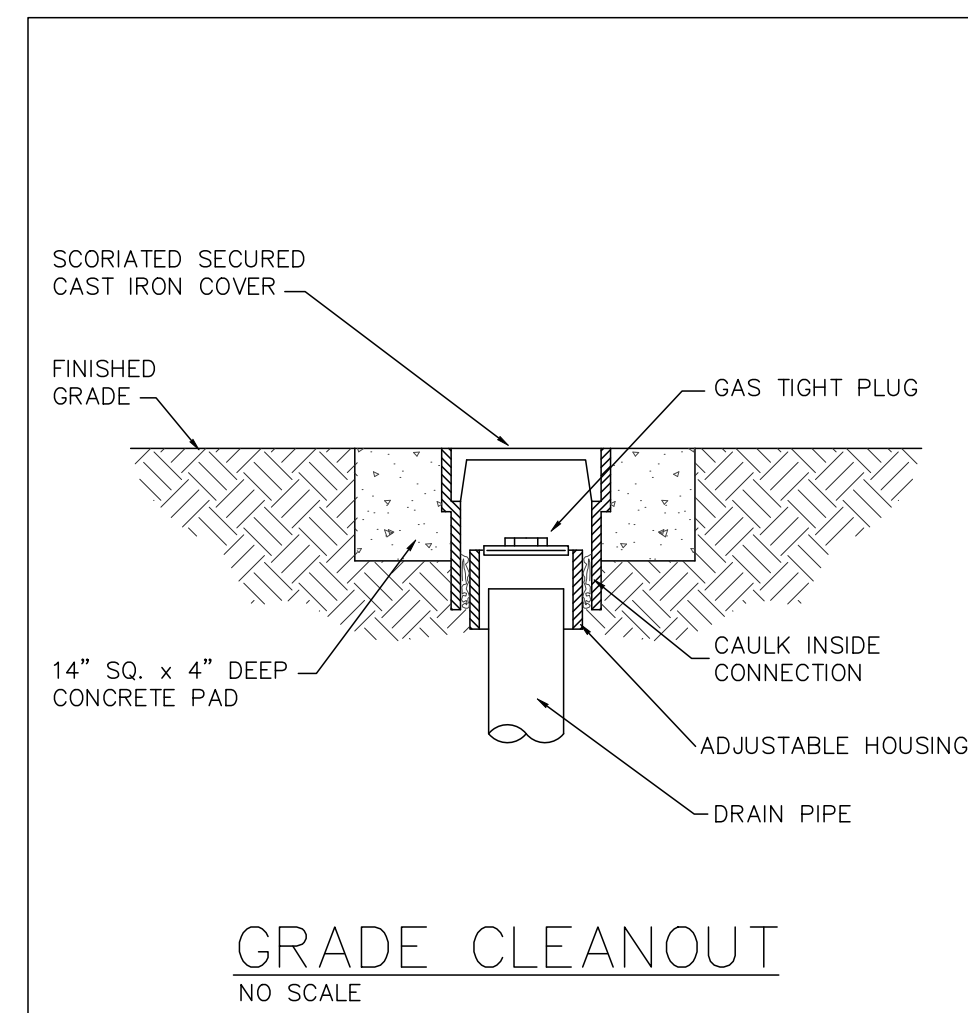
AAV	AIR ADMITTANCE VALVE, STUDDOR OR EQUAL
ABV	ABOVE
AFH	ANTI-FREEZE HYDRANT
CLG	CEILING
CW	COLD WATER
CO	CLEAN-OUT
CV	CIRCUIT VENT
EC	ELECTRICAL CONTRACTOR
EWG	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FS	FLOOR SINK
FW	FILTERED WATER
GCO	GRADE CLEAN OUT (AT FINISH GRADE IN CONC. PAD
GC	GENERAL CONTRACTOR
HB	HOSE BIB
HW	HOT WATER
HWCP	HOT WATER CIRCULATION PUMP
MC	MECHANICAL CONTRACTOR
P-X	PLUMBING FIXTURE NO. "X", SEE FIXTURE SCHEDULE
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
WCO	WALL CLEAN-OUT

PLUMBING FIXTURE SCHEDULE

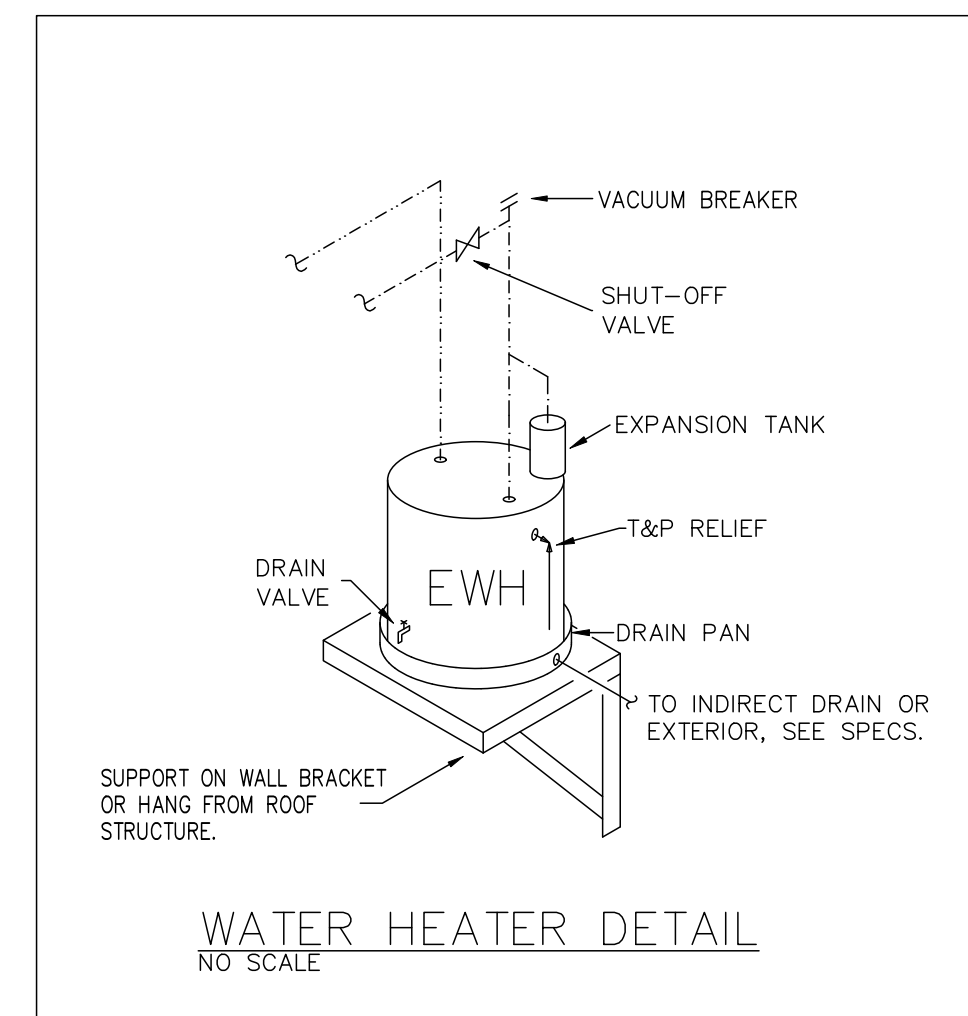
MARK	DESCRIPTION	MINIMUM CONNECTIONS				REMARKS
		WASTE	VENT	CW	HW	
P-1	ACCESSIBLE (ADA) FLOOR MOUNT, FLUSH TANK WATERCLOSET	3"	2"	1/2"	NA	WHITE VITREOUS CHINA, ELONGATED BOWL, WHITE OPEN FRONT SEAT W/ SELF-SUSTAINING CHECK HINGES, 1.6 GPF SEAT HEIGHT PER N.C. ACCESSIBILITY CODE
P-2	ACCESSIBLE (ADA) WALL-HUNG LAVATORY	2"	2"	1/2"	1/2"	WHITE VITREOUS CHINA, SINGLE LEVER FAUCET, ASSE 1070 MIXING VALVE, C.P. GRID STRAINER & TAILPIECE W/ 1-1/2" P-TRAP W/ C.O., C.P. RIGID SUPPLIES W/ ANGLE STOP, ADA TRAP AND SUPPLY INSULATION KIT
P-3	MOP SINK	3" FD	2"	1/2"	1/2"	PRE-CAST RECEPTOR W/ FLOOR DRAIN ROUGH C.P. MIXING WALL FAUCET W/ VAC. BRKR., BUCKET HOOK, WALL BRACE, HOSE THREAD OUTLET, MOP RACK & WALL GUARDS.
EWC	ACCESSIBLE (ADA) ELECTRIC WATER COOLER	2"	2"	1/2"	NA	DUAL HEIGHT BASINS WITH FLOOR CARRIER CHAIR, 120V 8-GPH, LEAD-FREE, CFC-FREE
EWH	ELECTRIC WATER HEATER	NA	NA	3/4"	3/4"	20 GALLON STORAGE, 1500 WATT, 120V 1PH W/ T&P RELIEF, VACUUM BREAKER, EXPANSION TANK AND CATCH-PAN, BRADFORD-WHITE, STATE, A.O. SMITH OR EQUAL.



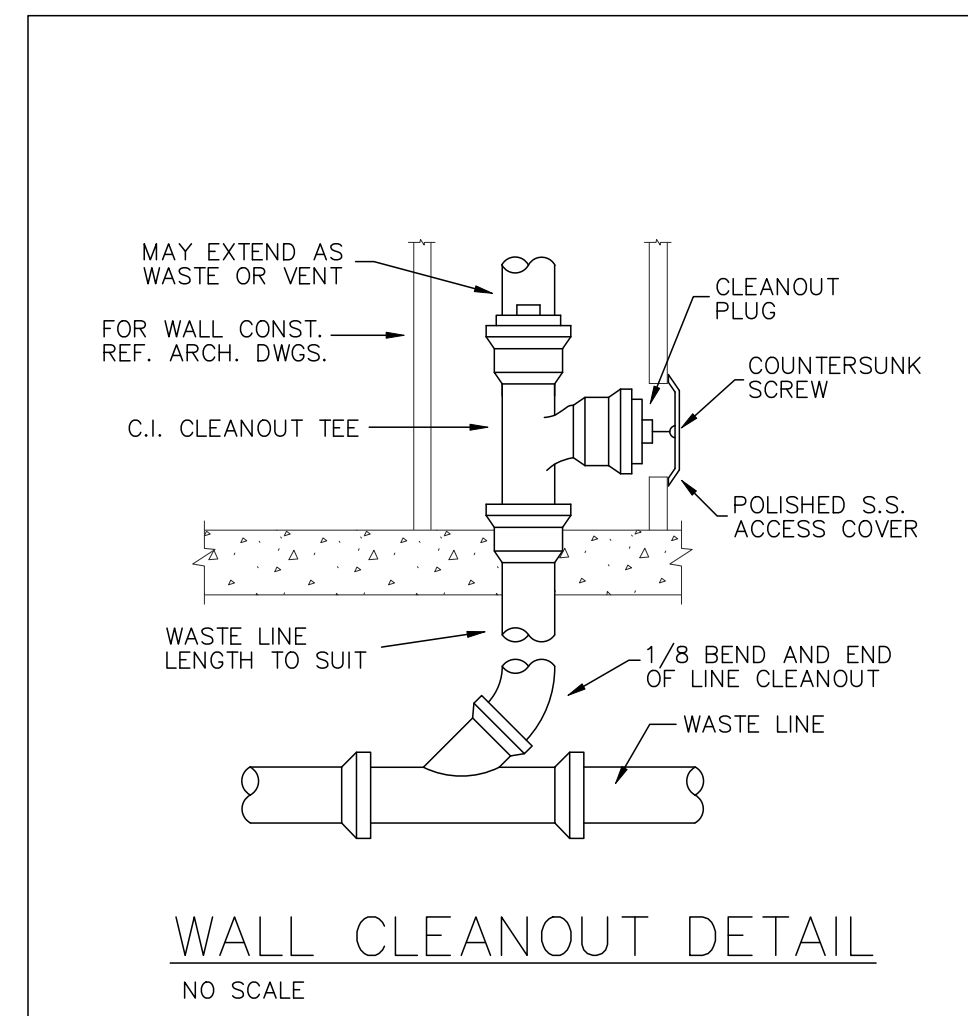
FLOOR CLEANOUT DETAIL
NO SCALE



GRADE CLEANOUT
NO SCALE



WATER HEATER DETAIL
NO SCALE



WALL CLEANOUT DETAIL
NO SCALE

PLUMBING SPECIFICATIONS

GENERAL

ALL PLUMBING WORK SHALL BE IN STRICT ACCORDANCE WITH THE CURRENTLY ADOPTED EDITION OF THE NORTH CAROLINA PLUMBING CODE THE AND APPLICABLE REFERENCED STANDARDS.

THE WORK INCLUDES PROVIDING MATERIALS, FITTINGS AND ACCESSORIES NECESSARY FOR A COMPLETE FUNCTIONING PLUMBING SYSTEM. ALL MATERIALS FURNISHED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AND FREE FROM DEFECTS. ANY ITEM NOT SPECIFICALLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS, BUT THAT IS NORMALLY REQUIRED TO CONFORM TO THE INTENT, ARE TO BE CONSIDERED A PART OF THE CONTRACT. THE WORK MAY ALSO INCLUDE ROUGH-IN AND FINAL CONNECTIONS TO EQUIPMENT PROVIDED BY OTHERS. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND/OR ORDINANCES AND IS SUBJECT TO INSPECTION.

HOOK-UP CHARGES, PERMITS, LOCAL FEES AND ALL OTHER EXPENSES RELATED TO A COMPLETE AND FUNCTIONING PLUMBING SYSTEM SHALL BE INCLUDED IN THE CONTRACTORS BID. THE CONTRACTOR SHALL COOPERATE FULLY WITH LOCAL COMPANIES WITH RESPECT TO THEIR SERVICES.

THE INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL EXTENT OF WORK REQUIRED FOR THE PROJECT. THE DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATIONS & TYPES OF FIXTURES AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. REFER TO MANUFACTURER'S STANDARD ROUGH-IN DRAWINGS FOR PLUMBING FIXTURE INSTALLATION REQUIREMENTS. COMPLY WITH ALL APPLICABLE ADA INSTALLATION REQUIREMENTS.

COORDINATION: COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. ANY WORK THAT IS INSTALLED BY THIS CONTRACTOR THAT RESULTS IN CONFLICT, DUE TO LACK OF COORDINATION BETWEEN TRADES, SHALL BE CHANGED AS DIRECTED BY THE ARCHITECT/ENGINEER WITHOUT ADDITIONAL COMPENSATION TO THE CONTRACTOR.

DEFINITIONS

FURNISH MEANS TO SUPPLY AND DELIVER TO PROJECT SITE, READY FOR INSTALLATION. INSTALL MEANS TO PLACE IN POSITION AND MAKE CONNECTIONS FOR SERVICE OR USE. PROVIDE MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE.

FIRESTOPPING IS A MATERIAL OR COMBINATION OF MATERIALS USED TO RETAIN INTEGRITY OF FIRE-RATED CONSTRUCTION BY MAINTAINING AN EFFECTIVE BARRIER AGAINST THE SPREAD OF FLAME, SMOKE, AND HOT GASES THROUGH PENETRATIONS IN FIRE RATED WALL AND FLOOR ASSEMBLIES.

PROVIDE LABOR AND MATERIALS TO REPAIR OR REPLACE DEFECTIVE PARTS AND MATERIALS AS REQUIRED FOR ONE YEAR AFTER SUBSTANTIAL COMPLETION OR OWNER ACCEPTANCE OF THE COMPLETED PROJECT.

PROVIDE ALL FITTINGS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE PLUMBING SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED.

PIPING SYSTEMS

GENERAL:

MATERIALS PENETRATING FIRE RATED CONSTRUCTION SHALL BE PROVIDED AS LISTED IN AN APPROVED U.L. TESTED FIRESTOP SYSTEM.

ALL PIPING SHALL BE RUN PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. ALL PIPING SHALL BE CONCEALED EXCEPT IN UNFINISHED SPACES. INSTALL AS REQUIRED TO MEET ALL CONSTRUCTION CONDITIONS AND TO ALLOW FOR INSTALLATION OF OTHER WORK SUCH AS DUCTS AND ELECTRICAL CONDUIT. AT ALL CONNECTIONS BETWEEN FERROUS PIPING AND NONFERROUS PIPING, PROVIDE AN ISOLATING DIELECTRIC UNION. ALL HANGERS SHALL BE COMPATIBLE WITH PIPING MATERIAL TO PREVENT CORROSION.

SEWER AND WASTE PIPING:

PROVIDE ALL DRAINS AND SEWERS WITHIN THE SPACE WITH CONNECTION TO THE EXISTING DRAINAGE SYSTEMS ON-SITE. SANITARY DRAINAGE PIPING ABOVE FLOOR SHALL BE HUBLESS CAST-IRON PIPE, FITTINGS AND CONNECTIONS OR DWV PVC PLASTIC SCHEDULE 40 PIPING WITH SOLVENT WELD FITTINGS. SANITARY DRAINAGE PIPING BELOW GRADE SHALL BE SERVICE-WEIGHT HUB AND SPIGOT TYPE CAST-IRON WITH NEOPRENE GASKET JOINTS OR DWV PVC PLASTIC SCHEDULE 40 PIPING WITH SOLVENT WELD FITTINGS.

FOR PLASTIC SEWER PIPING, AN INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR SHALL BE INSTALLED ADJACENT TO AND OVER THE FULL LENGTH OF THE PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE AT THE CLEANOUT BETWEEN THE BUILDING DRAIN AND BUILDING SEWER. THE TRACER WIRE SIZE SHALL BE NOT LESS THAN 14 AWG AND THE INSULATION TYPE SHALL BE LISTED FOR DIRECT BURIAL.

BUILDING SEWER PIPING WITHIN 5 FT OF WATER PIPING BELOW GRADE SHALL BE CAST-IRON PIPE PER ASTM A 74, OISI 301, AND ASTM A 888 OR SHALL BE SCHEDULE 40 PVC DWV PIPE CONFORMING TO ASTM F 1488.

PIPE FITTINGS SHALL BE APPROVED FOR INSTALLATION WITH THE PIPING MATERIAL INSTALLED AND SHALL CONFORM TO THE RESPECTIVE PIPE STANDARDS REFERENCED IN THE N.C. PLUMBING CODE.

ALL DRAINAGE PIPING SHALL BE UNIFORMLY PITCHED, MINIMUM 1/8" PER FOOT FOR 3" AND LARGER AND 1/4" PER FOOT FOR 2" AND SMALLER UNLESS OTHERWISE REQUIRED BY EXISTING CONDITIONS, OR INDICATED ON THE DRAWINGS.

CLEANOUTS:

PROVIDE CLEANOUTS AT THE END OF EACH HORIZONTAL RUN, AND AT THE BASE OF ALL VERTICAL WASTE AND DRAIN PIPES. CLEANOUTS SHALL BE OF THE SAME SIZE AS THE PIPES THEY SERVE, CONFORMING TO CODE REQUIREMENTS. PROVIDE SUITABLE WALL OR FLOOR CLEANOUTS WITH ACCESSORIES TO OBSCURE FROM VIEW.

VENTS:

PROVIDE A COMPLETE SYSTEM OF STANDARD WEIGHT CAST IRON NO-HUB VENT RISERS WHERE THE CEILING SPACE IS USED AS A RETURN AIR PLENUM OR USE DWV PLASTIC WHERE THERE IS A DUCTED RETURN AIR SYSTEM. DO NOT USE DWV PLASTIC IN RETURN AIR PLENUM SPACES.

THE VENT SYSTEM SHALL BE CARRIED THROUGH THE ROOF WITH APPROPRIATE FLASHING.

WATER DISTRIBUTION PIPING:

LAYOUT WATER PIPING SO THAT THE ENTIRE SYSTEM CAN BE DRAINED. HOT AND COLD WATER PIPING SHALL CONFORM TO NSF 61 AND ONE OF THE CORRESPONDING STANDARDS LISTED IN TABLE 605.3(SERVICE PIPE) & 605.4(DISTRIBUTION PIPE) OF THE 2018 NC PLUMBING CODE. PROVIDE WATER HAMMER ARRESTERS AT EACH FIXTURE OR GROUP OF FIXTURES AS REQUIRED. INSTALL CHROME PLATED BRASS ESCUTCHEON PLATES AT ALL PENETRATIONS THROUGH FINISHED SURFACES (INCLUDING CABINET INTERIORS).

TEST WATER SYSTEM AND PROVE TIGHT UNDER A WATER PRESSURE OF NOT LESS THAN 100 PSI OR FOR PIPING SYSTEMS OTHER THAN PLASTIC, BY AN AIR TEST OF NOT LESS THAN 100 PSI. WATER SHALL BE OBTAINED FROM A POTABLE SOURCE OF SUPPLY. WHEN TESTING INDICATES MATERIALS OR WORKMANSHIP IS DEFICIENT, REPLACE OR REPAIR AS REQUIRED, AND REPEAT TEST UNTIL STANDARDS ARE ACHIEVED.

INSULATE ALL HOT WATER SUPPLY AND RETURN PIPING & CW PIPING OUTSIDE OF BUILDING INSULATION ENVELOPE (EXCEPT AT FIXTURE CONNECTIONS) WITH 1 INCH OF INSULATION HAVING A CONDUCTIVITY NOT EXCEEDING 0.28 BTU PER INCH/H*F.F. INSULATE COLD WATER PIPING WITH 1/2 INCH OF INSULATION TO PREVENT CONDENSATION. INSULATE ANY EXPOSED CONDENSATE PIPING WITH WASTE TEMPERATURE BELOW 60 DEGREES F.

SHUTOFF VALVES WITH UNIONS SHALL BE PROVIDED FOR SERVICE TO EACH PLUMBING FIXTURE TO FACILITATE ISOLATION FOR REPAIR OR REPLACEMENT. VALVES SHALL BE EQUAL TO JENKINS BALL VALVE, CHROME-FINISHED BRONZE, TEFLO SEATS AND PACKING, 400 LB. W.O.G., SOLDER END.

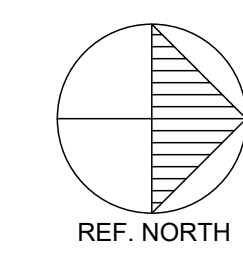
INSTALLATION

FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLING, CONNECTING, AND ADJUSTING ALL EQUIPMENT AND PLUMBING SYSTEM COMPONENTS.

THOROUGHLY CLEAN ITEMS BEFORE INSTALLATION. CAP PIPE OPENINGS TO EXCLUDE DIRT UNTIL FIXTURES ARE INSTALLED AND FINAL CONNECTIONS HAVE BEEN MADE. PROCEED AS RAPIDLY AS CONSTRUCTION WILL PERMIT. SET FIXTURES LEVEL AND IN PROPER ALIGNMENT. INSTALL SUPPLIES IN PROPER ALIGNMENT WITH FIXTURES. INSTALL SILICONE SEALANT BETWEEN FIXTURES AND ADJACENT MATERIAL, FOR SANITARY JOINT, AND OMIT ESCUTCHEONS.

ACCESS PANELS SHALL BE PROVIDED WHERE CONCEALED CONTROL DEVICES, VALVES, ETC. ARE CONCEALED WITHIN WALLS. WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THROUGH LAY-IN SUSPENDED CEILINGS, ACCESS PANELS ARE NOT REQUIRED.

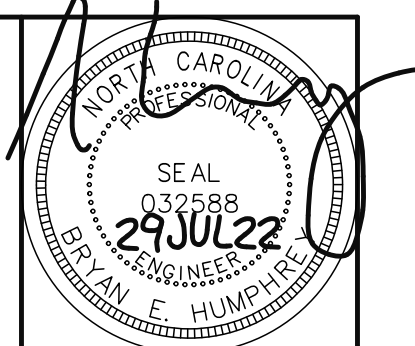
ROOF PENETRATIONS SHALL COMPLY WITH "SMACNA" AND "NRCA" STANDARDS, AND WITH THE REQUIREMENTS OF THE ROOFING WARRANTY, IF APPLICABLE. DO NOT PERFORM ROOFING PENETRATIONS IN A MANNER WHICH WOULD VOID OR OTHERWISE LIMIT THE ROOFING WARRANTY.



REF. NORTH

PLUMBING PLAN

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



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EUBANKS ENGINEERING & ARCHITECTURE P.C.
HUMPHREY

102 Pateley St., Suite 200
Greensboro, NC 27401

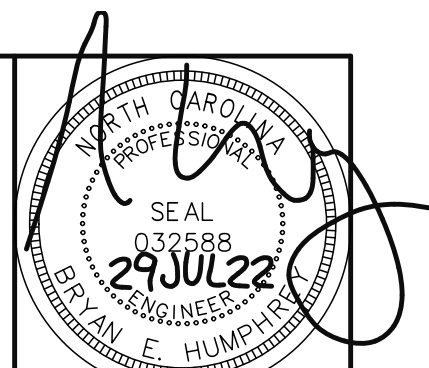
Phone 336.379.0663
Fax 336.379.0663

FIRM LICENSE: C-2272

BUILDING SYSTEMS PLANS FOR:

HARNETT SELF STORAGE
SPOUT SPRINGS, NC

JOB NO.	2278
ORIGINAL ISSUE DATE	29JUL22
DRAWN BY	JMK
CHECKED BY	BEH
SHEET NO.	P-1



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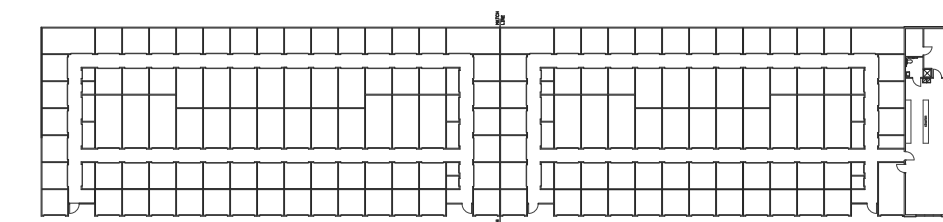
BUILDING SYSTEMS PLANS FOR:

HARNETT SELF STORAGE
 SPOUT SPRINGS, NC

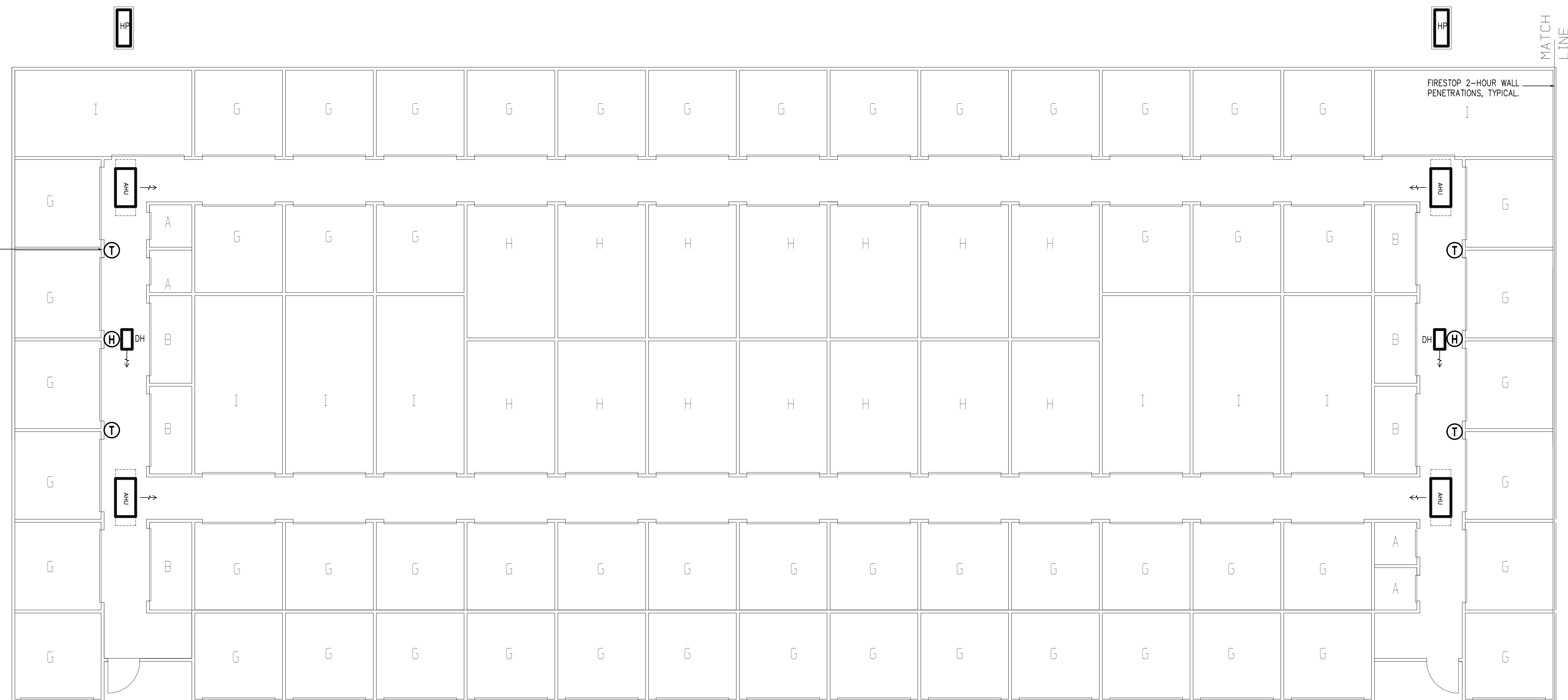
JOB NO. 2278
 ORIGINAL ISSUE DATE 29 JUL 22
 DRAWN BY JMK
 CHECKED BY BEH
 SHEET NO.

M-2

OF 2



KEY PLAN
NO SCALE



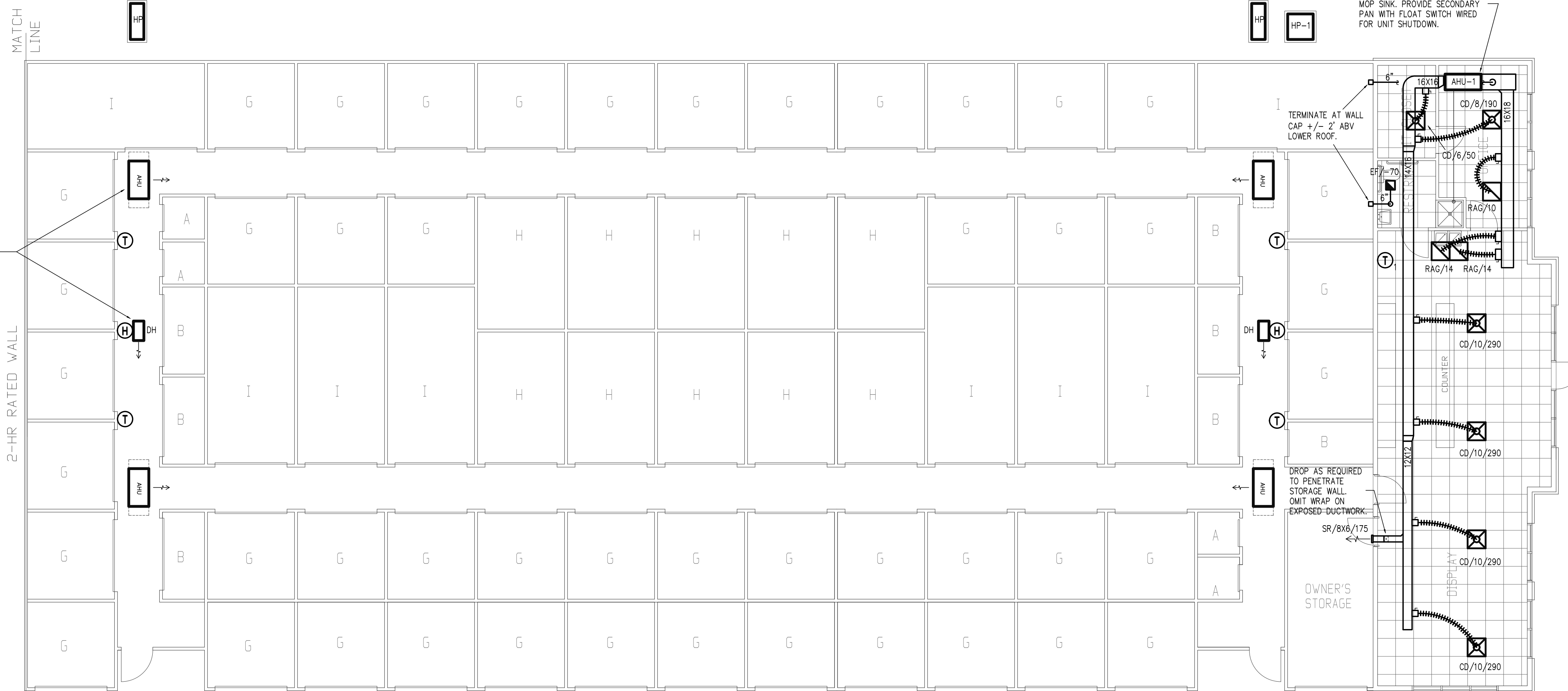
WIRED T'STAT IN VENTILATED LOCKING COVER, TYPICAL

FIRESTOP 2-HOUR WALL PENETRATIONS, TYPICAL.

MATCH LINE

2-HR RATED WALL

MATCH LINE



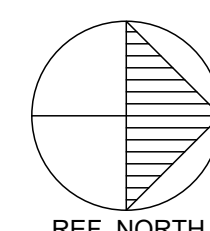
AIR HANDLERS AND DEHUMIDIFIERS SHALL BE PROVIDED WITH CONDENSATE PUMPS. A UL 508 WATER-LEVEL DETECTION DEVICE SHALL BE PROVIDED THAT WILL SHUT OFF THE EQUIPMENT IN THE EVENT THAT THE PRIMARY DRAIN IS BLOCKED. DISCHARGE CONDENSATE IN ACCORDANCE WITH LOCAL STANDARDS WHERE AS NOR TO CAUSE A NUISANCE. PROVIDE DRY WELL WHERE REQUIRED. TYPICAL.

ROUTE PRIMARY CONDENSATE TO MOP SINK. PROVIDE SECONDARY PAN WITH FLOAT SWITCH WIRED FOR UNIT SHUTDOWN.

TERMINATE AT WALL CAP +/- 2" ABV LOWER ROOF.

DROP AS REQUIRED TO PENETRATE STORAGE WALL. OMIT WRAP ON EXPOSED DUCTWORK.

OWNER'S STORAGE



REF. NORTH

HVAC PLAN

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

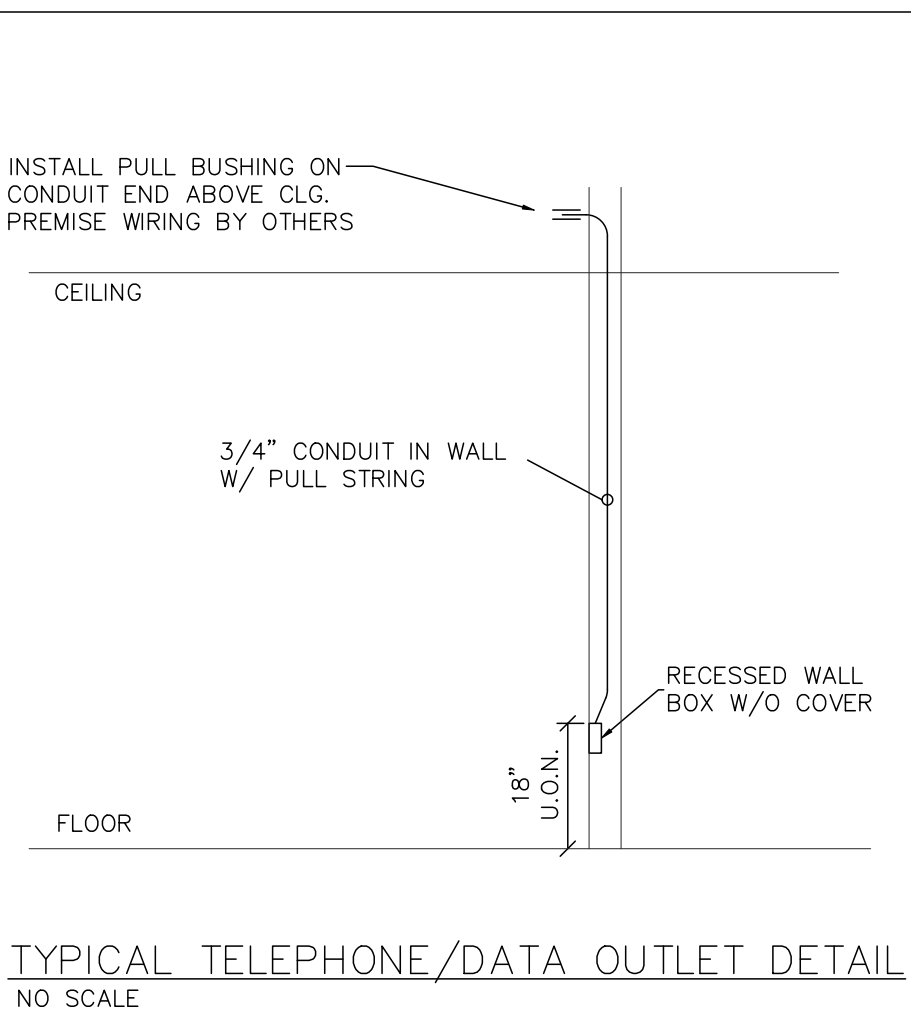
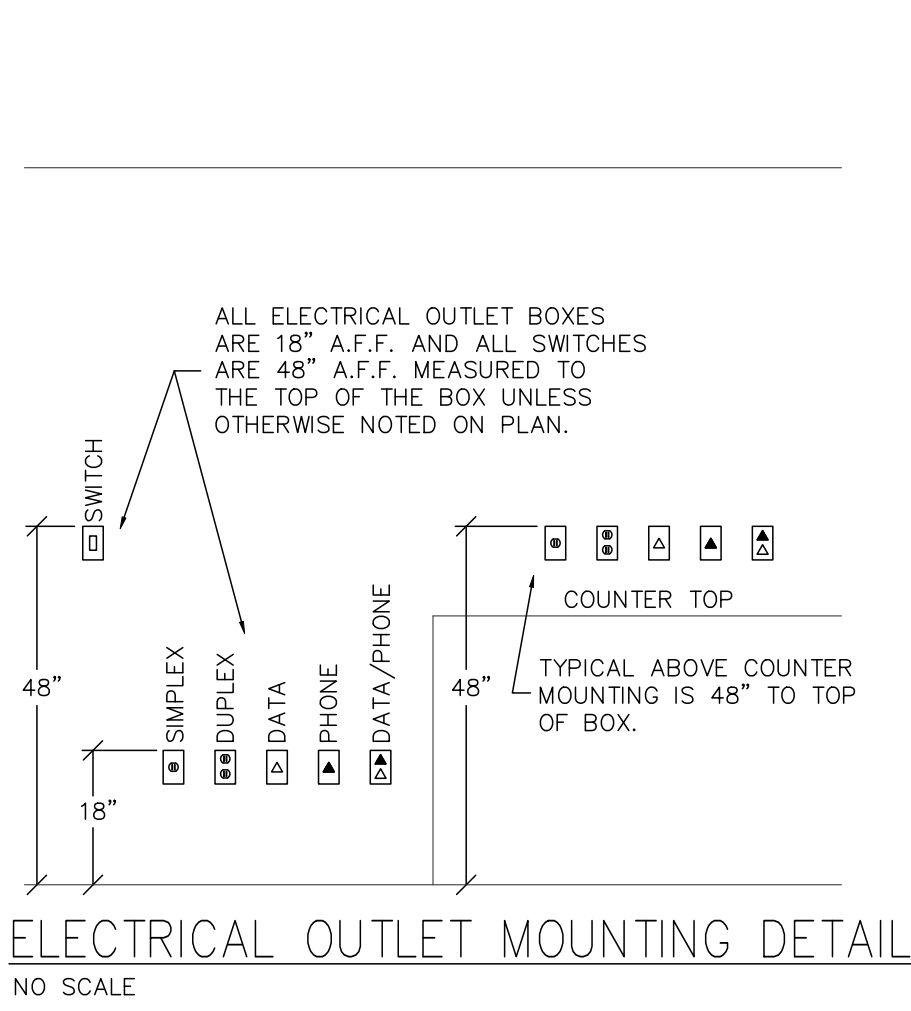
ABBREVIATIONS

DESCRIPTION	ABBRV.
ABOVE	ABV
AUTOMATIC DOOR OPENER	ADO
AMPERE FRAME	AF
AMPERE TRIP	AT
BARE COPPER	BC
ELECTRICAL CONDUIT	C
CIRCUIT BREAKER	CB, C/B
DIRECT BURIAL	DB
DENTAL EQUIPMENT SUPPLIER	DES
ELECTRICAL CONTRACTOR	EC
EQUIPMENT GROUND	EG
ELECTRIC WATER COOLER	EWC
FIRE ALARM	FA
FIRESTOP	FS
FUSED SAFETY SWITCH	FSS
GENERAL CONTRACTOR	GC
GROUND TERMINAL BOX	GTB
GROUND FAULT CIRCUIT INTERRUPTER	GFCI
LOCAL TEMPERATURE CONTROL PANEL	LTC
LIGHT FIXTURES	LTS
MAIN DISTRIBUTION PANEL	MDP
MAIN LUGS ONLY	MC
MECHANICAL CONTRACTOR	MC
NON-FUSED SAFETY SWITCH	NFSS
NIGHT LIGHT	NL
PHOTO CELL	PC
PLUMBING CONTRACTOR	PCC
POWER OPERATED DAMPER	PPOD
POWER TYPE ROOF VENTILATION	PTRV
RECEPTACLE	REC
SAFETY SWITCH	SS
TIME CLOCK	TC
WIRE	W
WEATHER PROOF IN USE	WP

ELECTRICAL SYMBOL LEGEND

ONLY SYMBOLS USED ON PLANS APPLY. DIMENSIONS (+X) ARE TO TOP OF BOX

SYMBOL	DESCRIPTION
■	CIRCUIT BREAKER PANEL BOARD
	CIRCUITRY, CONCEALED WHERE FEASIBLE 2 CONDUCTORS UNLESS INDICATED OTHERWISE BY HASH MARKS
→	HOME RUN TO PANEL
⊏	SAFETY DISCONNECT SWITCH, NEMA RATING AMPACITY AND FUSING AS REQUIRED
⊕	120V DUPLEX GROUNDED RECEPTACLE, 18" AFF U.O.N WP = WEATHER PROOF U = DUAL USE PORTS IG = ISOLATED GROUND 120V
⊕	120V DUPLEX GFCI RECEPTACLE, 18" AFF U.O.N
⊕	QUADRAPLEX GROUNDED RECEPTACLE, 18" AFF U.O.N
⊕	SPECIAL PURPOSE RECEPTACLE AS NOTED
⊕	JUNCTION BOX
⊕ _{EF}	EXHAUST FAN INSTALLED BY OTHERS
△	DATA COMMUNICATIONS OUTLET, 18" AFF U.O.N (BOX, CONDUIT TO CLG SPACE ONLY)
▲	TELEPHONE OUTLET, 18" AFF U.O.N., (BOX, CONDUIT TO CEILING SPACE ONLY)
TEL	TELEPHONE EQUIP. BACKBOARD, SIZE AS REQUIRED
TV	CABLE TV OUTLET, WIRE BACK TO SERVICE BOX.
—	CIRCUITRY
— (dashed)	UNDERGROUND CIRCUITRY



LIGHTING SYMBOL LEGEND

ONLY SYMBOLS USED ON PLANS APPLY. DIMENSIONS (+X) ARE TO TOP OF BOX

SYMBOL	DESCRIPTION
⊕	WALL MOUNTED LIGHT FIXTURE
⊕	CEILING MOUNTED LIGHT FIXTURE
⊕	2X4 LIGHT FIXTURE
⊕	2X2 LIGHT FIXTURE
⊕	BATTERY PACK EXIT SIGN
⊕	BATTERY PACK EMERGENCY LIGHT
⊕	BATTERY PACK COMBINATION EXIT/EMERGENCY LIGHT
⊕	REMOTE EXIT DISCHARGE FIXTURE
S	SWITCH 48" TO TOP AFF
S ₃	3-WAY SWITCH 48" TO TOP AFF
S ₄	4-WAY SWITCH 48" TO TOP AFF
S _D	DIMMER SWITCH 48" TO TOP AFF
S _P	SWITCH W/ PILOT LAMP
→	HOME RUN TO PANEL
—	CIRCUITRY
— (dashed)	UNSWITCHED CIRCUITRY
OS _W	WALL SWITCH OCCUPANCY SENSOR
OS ₃₆₀	CEILING MOUNT OCCUPANCY SENSOR, 360° SENSOR VIEW.
↕	DIRECTIONAL CEILING/WALL MOUNT OCCUPANCY SENSOR

SERVICE AND FEEDER LOAD SUMMARY

PER NEC ARTICLE 220

GROSS SQUARE FOOTAGE = 23,911

LOAD	QUANTITY	RATE	LOAD (VA)	DEMAND FACTOR	DEMAND LOAD (VA)
LIGHTING (SORAGE)	22583 SF	.25 VA/SF	5645	1.25	7057
LIGHTING (OFFICE)	1328 SF	3.5 VA/SF	4648	1.25	5810
EXT. LIGHTING	NA	NA	2800	1.25	3500
SIGNAGE	2	1200VA/	2400	1.25	3000
RECEPTACLES	28	180VA/REC	5040	1.00	5040
HVAC	NA	NA	24480	1.00	24480
EMH	1	NA	1500	1.00	1500
KIT. EQUIP	NA	NA	0	0.65	0
TOTAL					50387
AMPERAGE @ 120/208V 3PH 4W					140A
SERVICE CONDUCTORS SPECIFIED					200A

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

Electrical design

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code - Prescriptive

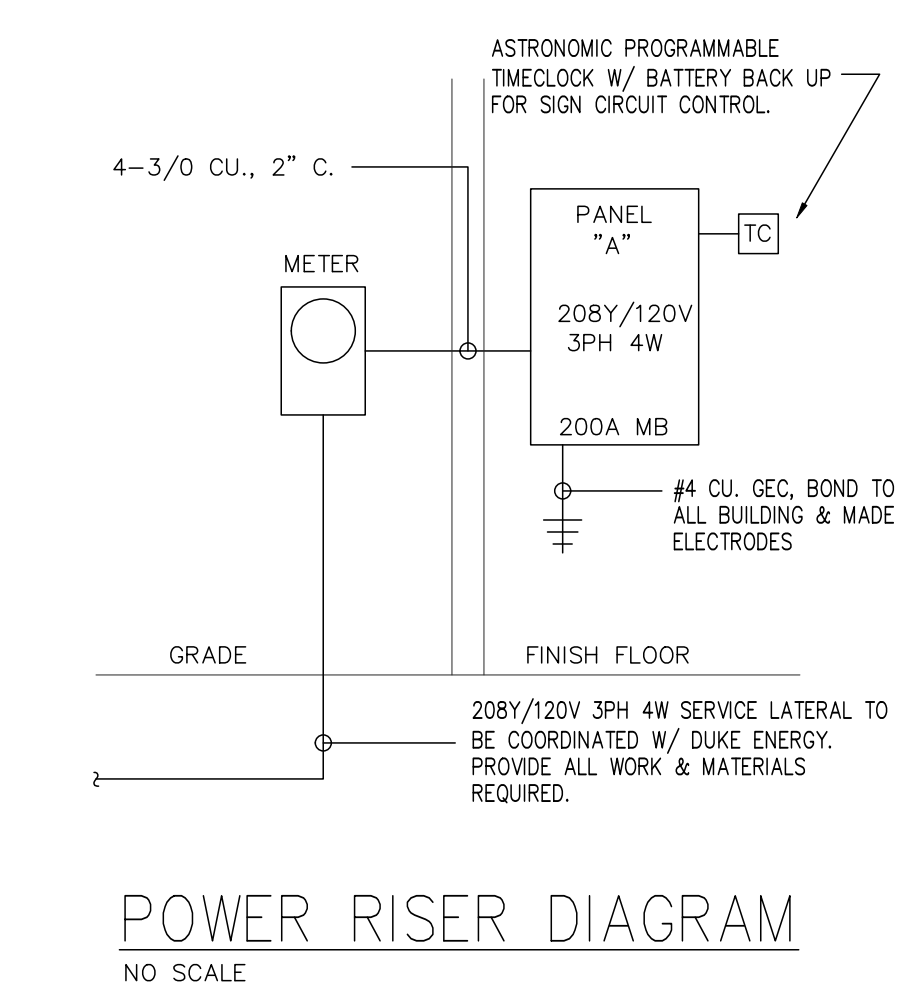
Lighting schedule (each fixture type):

lamp type required in fixture: VARIES
number of lamps in fixture: VARIES
ballast type used in the fixture: VARIES
number of ballasts in fixture: VARIES
total wattage per fixture: VARIES
total interior wattage specified vs. allowed (whole building or space by space):
total exterior wattage specified vs. allowed

TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED: 7,043 VS 13,305
WHOLE BUILDING () SPACE BY SPACE (X)
EXTERIOR LIGHTING WATTAGE SPECIFIED VS ALLOWED: 1,758 VS 3,459

Additional Efficiency Package Options (When using the 2018 NCECC; not required for ASHRAE 90.1)

- C406.2 More Efficient HVAC Equipment Performance
- C406.3 Reduced Lighting Power Density
- C406.4 Enhanced Digital Lighting Controls
- C406.5 On-Site Renewable Energy
- C406.6 Dedicated Outdoor Air System
- C406.7 Reduced Energy Use in Service Water Heating



ELECTRICAL SPECIFICATIONS

ALL WORK SHALL COMPLY WITH LAWS APPLYING TO ELECTRICAL INSTALLATIONS IN EFFECT, AND WITH THE MOST RECENT EDITION OF THE NATIONAL ELECTRICAL CODE, ADA, APPLICABLE SECTIONS OF OTHER NFPA, OSHA, LIFE SAFETY CODES AND RECOMMENDATIONS, AND THE INTERIM AMENDMENTS IN EFFECT AT THE TIME OF THE PROPOSAL.

THE WORK INCLUDES PROVIDING MATERIALS, DEVICES, WIRING, FIXTURES, ETC. NECESSARY FOR A COMPLETE FUNCTIONING ELECTRICAL SYSTEM. ALL MATERIALS FURNISHED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AND FREE FROM DEFECTS. INSTALL, CONNECT AND ADJUST ALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS. ANY ITEM NOT SPECIFICALLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS, BUT THAT IS NORMALLY REQUIRED TO CONFORM TO THE INTENT, ARE TO BE CONSIDERED A PART OF THE CONTRACT. ALL MATERIALS USED SHALL BE NEW AND SHALL CONFORM TO THE STANDARDS ESTABLISHED BY THE UNDERWRITERS LABORATORIES INCORPORATED.

THE INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL EXTENT OF WORK REQUIRED FOR THE PROJECT. THE DRAWINGS FOR ELECTRICAL WORK ARE DIAGRAMMATIC, SHOWING THE LOCATION, TYPE, DEVICES AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. PROVIDE ALL FIXTURES, DEVICES, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT FURNISHED BY OTHERS.

HOOK-UP CHARGES, PERMITS, LOCAL FEES AND ALL OTHER EXPENSES RELATED TO A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM SHALL BE INCLUDED IN THE CONTRACTORS BID. THE CONTRACTOR SHALL COOPERATE FULLY WITH UTILITY SERVICE PROVIDERS WITH RESPECT TO THEIR SERVICES.

COORDINATION: COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. ANY WORK THAT IS INSTALLED BY THIS CONTRACTOR THAT RESULTS IN CONFLICT, DUE TO LACK OF COORDINATION BETWEEN TRADES, SHALL BE CHANGED AS DIRECTED BY THE ARCHITECT/ENGINEER WITHOUT ADDITIONAL COMPENSATION TO THE CONTRACTOR.

COORDINATE WITH THE LOCAL ELECTRIC UTILITY COMPANY AND TELEPHONE COMPANY AS TO THE REQUIREMENTS FOR SERVICE CONNECTIONS AND PROVIDE ALL LABOR, MATERIALS, AND TESTING NECESSARY.

DEFINITIONS: FURNISH MEANS TO SUPPLY AND DELIVER TO PROJECT SITE, READY FOR INSTALLATION. INSTALL MEANS TO PLACE IN POSITION AND MAKE CONNECTIONS FOR SERVICE OR USE. PROVIDE MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE. WIRING MEANS THE INCLUSION OF ALL RACEWAYS, FITTINGS, CONDUCTORS, CONNECTORS, JUNCTION AND OUTLET BOXES, SPLICES, CONNECTIONS, TAPE, AND ALL OTHER ITEMS NECESSARY AND/OR REQUIRED IN CONNECTION WITH SUCH WORK. CONDUIT MEANS THE INCLUSION OF ALL HANGERS, SUPPORTS, FITTINGS, ETC.

FIRESTOPPING IS A MATERIAL OR COMBINATION OF MATERIALS USED TO RETAIN INTEGRITY OF FIRE-RATED CONSTRUCTION BY MAINTAINING AN EFFECTIVE BARRIER AGAINST THE SPREAD OF FLAME, SMOKE, AND HOT GASES THROUGH PENETRATIONS IN FIRE RATED WALL AND FLOOR ASSEMBLIES.

WARRANTY: PROVIDE LABOR AND MATERIALS TO REPAIR OR REPLACE DEFECTIVE PARTS AND MATERIALS AS REQUIRED FOR ONE YEAR AFTER SUBSTANTIAL COMPLETION OR OWNER ACCEPTANCE OF THE COMPLETED PROJECT.

ELECTRICAL DESIGN HAS BEEN BASED ON THE INSTALLATION OF 75°C CONDUCTORS CONNECTED TO TERMINAL LUGS AND EQUIPMENT, U.L. LISTED FOR A MINIMUM 75°C. CONDUCTORS TERMINATED ON EQUIPMENT OR DEVICES WITH A LOWER RATING (60°C) OR NO RATING SHOWN, SHALL HAVE CONDUCTOR SIZE INCREASED TO CONFORM TO NEC TABLE 310-16.

ALL EQUIPMENT SHALL BE EQUAL TO OR EXCEED THE MINIMUM REQUIREMENTS OF NEMA, IEEE, AND IUL.

DISCONNECT SWITCHES SHALL BE HEAVY-DUTY, QUICK-MAKE, QUICK-BREAK TYPE, NEMA 1 ENCLOSURE FOR INDOOR LOCATIONS (NEMA 3R FOR OUTDOOR LOCATIONS). SWITCHES SHALL BE AS MANUFACTURED BY SQUARE 'D', GENERAL ELECTRIC, OR SIEMEN'S (I.T.E.). PROVIDE FUSES AS MANUFACTURED BY BUSSMAN, GOULD-SHAWMUT, OR LITTLE-FUSE. ALL CONDUCTOR TERMINALS TO BE U.L. LISTED FOR A MINIMUM OF 75°C. SWITCHES USED AS SERVICE ENTRANCE EQUIPMENT TO BE U.L. LISTED AS "SER" RATED EQUIPMENT. WHERE MULTIPLE DISCONNECTS ARE USED AS A SERVICE ENTRANCE MEANS, A NEUTRAL CONDUCTOR SHALL BE RUN TO THE NEUTRAL TERMINAL IN EACH SERVICE DISCONNECT AND SHALL BE BONDED PER NEC.

PANEL BOARDS SHALL BE AS MANUFACTURED BY SQUARE-D OR EQUAL MEETING U.L. STANDARDS 50 AND 67, WITH U.L. LABEL. PANELS USED AS SERVICE ENTRANCE EQUIPMENT TO BE U.L. LISTED AS "SER" RATED EQUIPMENT. PANELBOARDS SHALL BE FULLY RATED.

BREAKERS: THERMAL MAGNETIC TYPE, QUICK-MAKE, QUICK-BREAK, PLUG-IN TYPE OF SINGLE UNIT CONSTRUCTION. TWO POLE BREAKERS SHALL BE SINGLE UNIT COMMON TRIP TYPE. BREAKERS USED AS SWITCHES FOR 120V LIGHTING CIRCUITS SHALL BE APPROVED FOR THAT USE AND MARKED "SMD".

GROUNDING SYSTEM: PERMANENTLY AND EFFECTIVELY GROUND ALL METALLIC CONDUIT, SUPPORTS, CABINETS, PANELBOARDS AND SYSTEM NEUTRAL CONDUCTORS. MAINTAIN CONTINUITY OF EQUIPMENT GROUND THROUGHOUT THE SYSTEM. GROUND CLAMPS SHALL BE APPROVED TYPE, SPECIFICALLY DESIGNED FOR GROUNDING, WHERE GROUNDING CONDUCTOR IS ENCLOSED IN CONDUIT. GROUND CLAMP SHALL BE OF A TYPE WHICH GROUNDS BOTH CONDUCTOR AND CONDUIT. ALL CIRCUITS IN FLEXIBLE METAL OR PLASTIC CONDUIT SHALL INCLUDE A GROUND WIRE SIZED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE.

CONDUCTORS: INSULATED SOFT ANNEALED 98% PURE COPPER WITH COLOR CODING, B AND S GAGE, #10 AND SMALLER TO BE SOLID, #8 AND LARGER TO BE STRANDED. MINIMUM #12 UNLESS OTHERWISE INDICATED. CONDUCTORS MUST BE INSTALLED IN ACCORDANCE WITH N.E.C. AND CANNOT BE SUPPORTED FROM CEILING SUPPORT WIRES. THIN MAY NOT BE USED UNDERGROUND, AT SERVICE ENTRANCE, OUTSIDE, OR IN WET LOCATIONS. ALL INSULATION TO BE RATED FOR 600 V.

LIGHT FIXTURES & LAMPS ARE TO BE FURNISHED BY E.C. AS NOTED ON THE LIGHT FIXTURE SCHEDULE. FIXTURE INSTALLATION SHALL BE BY THE ELECTRICAL CONTRACTOR ACCORDING TO LOCAL CODE AUTHORITY. THE ELECTRICAL CONTRACTOR SHALL REVIEW MATERIALS AT THE TIME OF DELIVERY AND IMMEDIATELY REPORT ANY DAMAGE OR MISSING PIECES.

LIGHT FIXTURE QUANTITIES AND INPUT WATTAGES LISTED IN LIGHT FIXTURE SCHEDULE ARE FOR ENGINEERING ENERGY CALCULATIONS ONLY AND ARE NOT TO BE USED BY CONTRACTOR FOR QUANTITY TAKE-OFFS.

EMERGENCY LIGHTING SHALL HAVE A MINIMUM OF 90 MIN. BATTERY BACK-UP, OR AS REQUIRED BY LOCAL CODE AUTHORITY.

LAYOUT BRANCH CIRCUIT WIRING AND ARRANGEMENT OF HOME RUNS FOR MAXIMUM ECONOMY AND EFFICIENCY. INCREASE WIRE SIZE IF VOLTAGE DROP EXCEEDS 3% OR 100 FEET OF LENGTH.

CONCEAL WIRING SYSTEM ABOVE SUSPENDED CEILING OR IN WALL OR FLOOR CONSTRUCTION WHERE POSSIBLE. INSTALL CONDUITS PARALLEL TO BUILDING LINES, AND TO CLEAR ALL OPENING, DEPRESSIONS, PIPES, DUCTS, STRUCTURE, ETC.

ALL WIRING SHALL BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE.

INSTALL CONDUIT CONTINUOUS BETWEEN BOXES AND CABINETS WITH NO MORE THAN FOUR (4) 90 DEGREE BENDS. SECURELY FASTEN IN PLACE WITH STRAPS, HANGERS AND STEEL SUPPORTS AS REQUIRED. DO NOT SUPPORT CONDUIT FROM SUSPENDED CEILING GRID OR SUSPENSION WIRES. REAM CONDUIT ENDS BEFORE INSTALLATION AND THOROUGHLY CLEAN BEFORE INSTALLATION. OPENINGS SHALL BE PLUGGED OR COVERED TO KEEP CONDUIT CLEAN.

CONDUIT SHALL BE SIZED TO COMPLY WITH NEC FOR NUMBER AND SIZE OF CONDUCTORS INSTALLED, MINIMUM 24" BELOW GRADE. PROVIDE SCHEDULE 40 PVC PLASTIC OR RIGID STEEL CONDUIT BELOW GRADE, MINIMUM 3/4". PROVIDE ELECTRICAL METAL TUBING (EMT), FLEXIBLE METAL CONDUIT (N LENGTHS 6' OR LESS) FOR INTERIOR LOCATIONS. EMT CONNECTORS AND COUPLING SHALL BE SET-SCREW TYPE. CLAMP CONDUIT TO BOXES WITH BUSHING INSIDE AND LOCKNUT OUTSIDE.

BELOW GRADE RACEWAYS SHALL BE CONSIDERED WET LOCATION AND SHALL BE SEALED PER NEC 300.5 (G) WITH A SEALANT IDENTIFIED FOR USE WITH INSTALLED CONDUCTORS/INSULATION. "MC" TYPE CABLES MAY BE USED IN SPACES WHERE NOT SUBJECT TO PHYSICAL DAMAGE OR CORROSION. "MC" & "AC" CABLE MUST BE INSTALLED IN A WORKMANLIKE MANNER AND PERPENDICULAR OR PARALLEL TO BUILDING LINES. CABLE MUST BE INSTALLED IN ACCORDANCE WITH N.E.C. ARTICLE 330.

ALL CONDUIT AND RACEWAY SYSTEMS SHALL BE INSTALLED WITH SEPARATE GROUND CONDUCTOR. CONDUIT SYSTEM IS NOT TO BE USED AS THE SOLE GROUNDING MEANS.

TOUCH UP OR REFINISH DAMAGED SURFACES OF FIXTURES AND EQUIPMENT, EXPOSED TO VIEW.

DATA & TELEPHONE PREMISES WIRING & CABLES TO BE FURNISHED AND INSTALLED BY OWNER. RACEWAY AND/OR CONDUIT TO BE PROVIDED BY E.C. VERIFY EXACT MOUNTING LOCATIONS WITH ARCHITECT PRIOR TO FASTENING RACEWAY OR CONDUIT TO WALL, CEILING OR FLOOR. FASTEN TO SURFACE AS RECOMMENDED BY MANUFACTURER. MOUNT SO RACEWAY IS IN THE LEAST OBVIOUS LOCATION. REAM ALL CUTS SMOOTH. PROVIDE ALL REQUIRED BOXES, EXTENSIONS, FITTINGS, ELBOWS AND DEVICES FOR A COMPLETE INSTALLATION

REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES AND OTHER CEILING MOUNTED EQUIPMENT.

FOR EQUIPMENT FURNISHED BY OWNER OR OTHER CONTRACTORS, ELECTRICAL CONTRACTOR TO VERIFY EXACT LOAD, TYPE OF CONNECTION AND MOUNTING HEIGHT FOR EACH BOX OR EQUIPMENT ITEM TO BE INSTALLED. ALL HARDWIRED CONNECTIONS TO EQUIPMENT TO BE MADE WITH FLEXIBLE LIQUID-TITE METAL CONDUIT WITH GREEN GROUND CONDUCTOR INSTALLED INSIDE RACEWAY. GROUND CONDUCTOR SHALL BE BONDED AT BOTH ENDS.

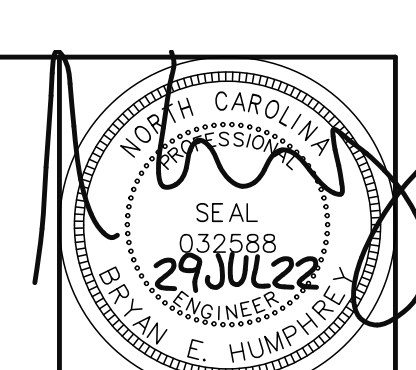
COORDINATE ALL REQUIRED ROOF AND WALL OPENINGS WITH THE GENERAL CONTRACTOR. PROVIDE ALL CURBS, FLASHING, SLEEVES, SUPPORTING FRAMES, REINFORCING ANGLES, ETC. WHICH ARE REQUIRED UNLESS DIRECTED OTHERWISE.

MINIMUM WIRE SIZE - 20 AMP BRANCH CIRCUIT SHALL BE AWG LISTED SIZE PER DISTANCE SHOWN BELOW. DISTANCE SHALL BE MEASURED FROM THE PANELBOARD CIRCUIT BREAKER TO THE FURTHEST OUTLET ALONG THE CIRCUIT PATH.

- A. #12 LESS THAN 100 FEET
- B. #10 BETWEEN 100-150 FEET
- C. #8 BETWEEN 150 - 250 FEET
- D. #6 OVER 250 FEET

ON ALL 20 AMP BRANCH CIRCUITS, CONDUCTORS LARGER THAN #10 AWG SHALL BE REDUCED TO #10 AWG WITHIN 10 FEET OF PANEL BOARD AND DEVICE IN JUNCTION BOXES ON RATED TERMINAL STRIPS.

ALUMINUM CONDUCTORS ARE NOT PERMITTED, EXCEPT AT SERVICE ENTRANCE. CONDUCTOR CONNECTION MUST BE PER MANUFACTURER'S REQUIREMENTS.



REVISIONS

THIS DRAWING AND ITS INSTRUMENTS OF SERVICE AND SEAL SHALL BE THE PROPERTY OF THE ENGINEER. THESE INSTRUMENTS AND SEAL SHALL BE RETURNED TO THE ENGINEER BY THE CONTRACTOR IMMEDIATELY UPON THE COMPLETION OF THE PROJECT AND SHALL REMAIN THE PROPERTY OF THE ENGINEER.

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**EUBANKS
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HUMPFREY**

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Greensboro, NC 27401

FIRM LICENSE: C-2272

BUILDING SYSTEMS PLANS FOR:

HARNETT SELF STORAGE
SPOUT SPRINGS, NC

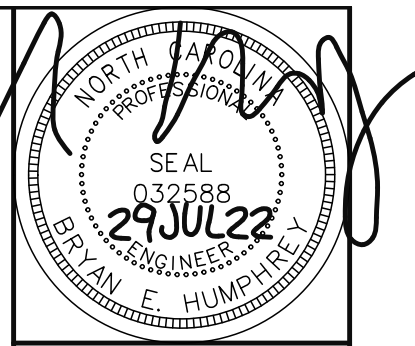
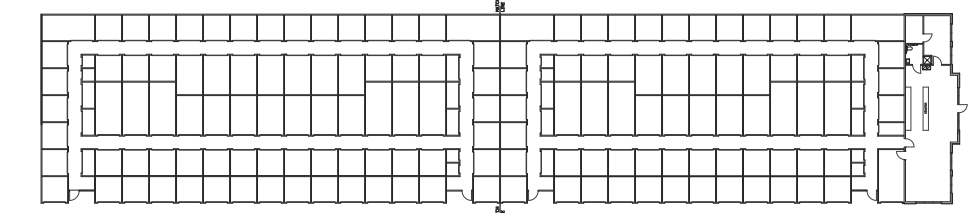
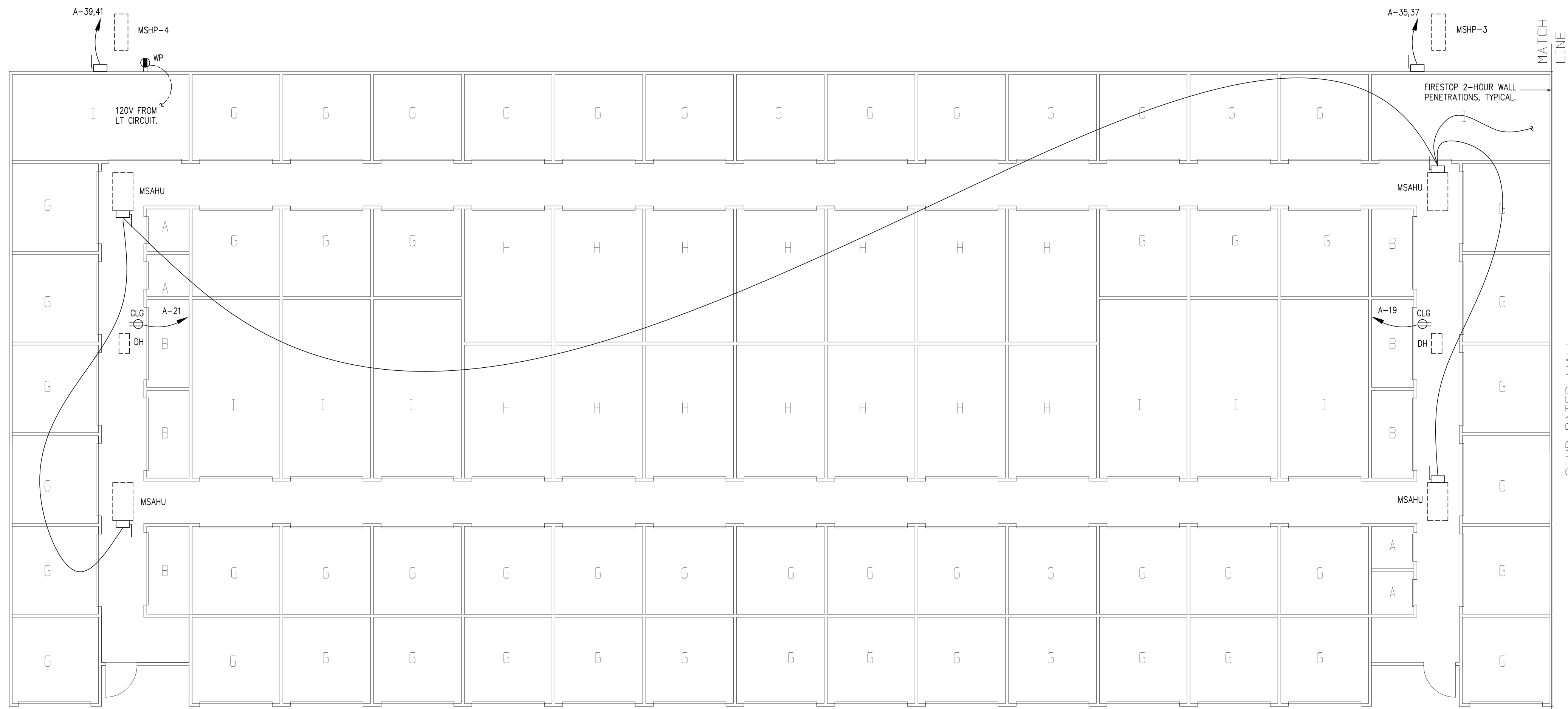
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E-1

OF 5

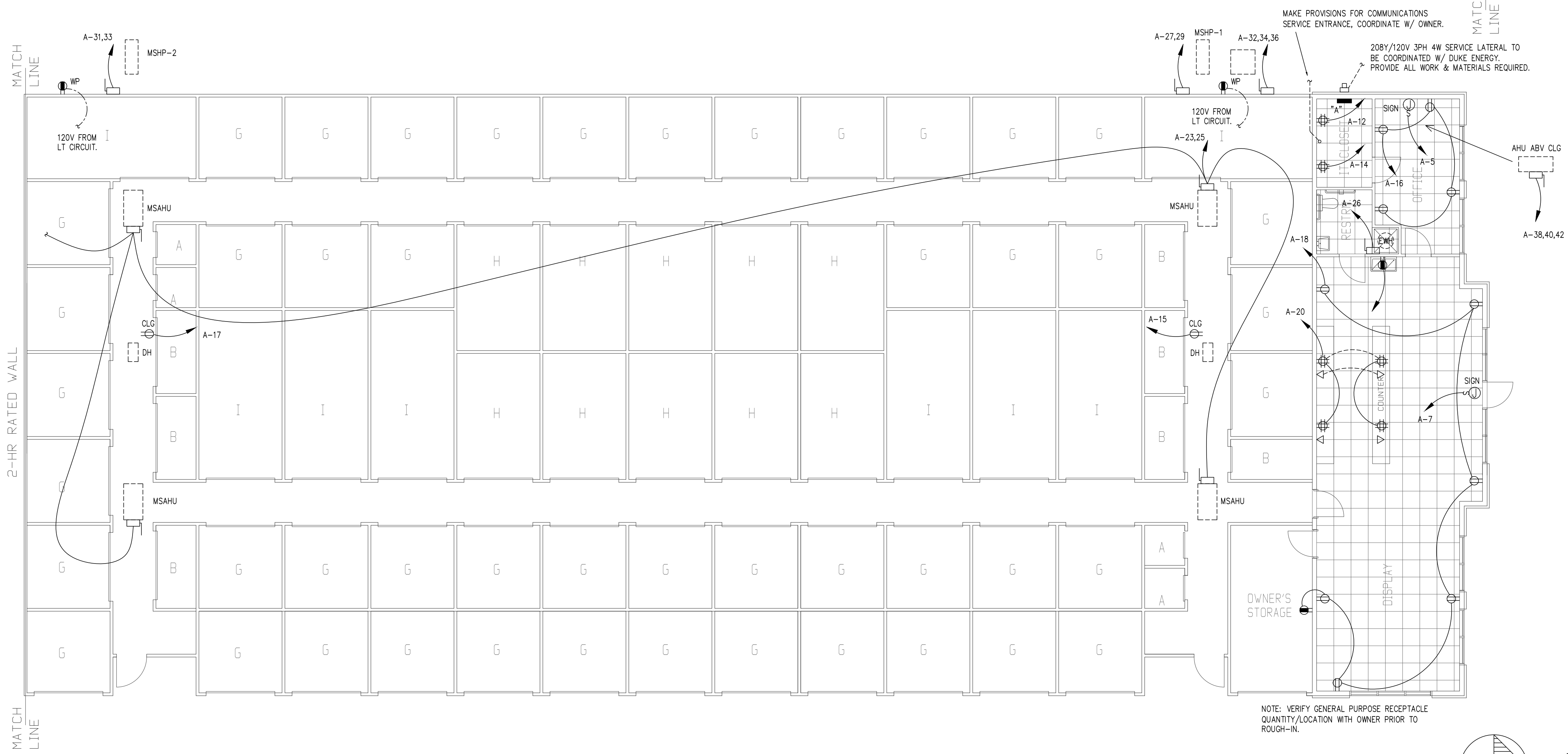
ELECTRICAL SYMBOLS, DETAILS & NOTES

NO SCALE

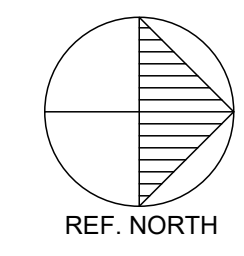


REVISIONS

NO.	DESCRIPTION



NOTE: VERIFY GENERAL PURPOSE RECEPTACLE QUANTITY/LOCATION WITH OWNER PRIOR TO ROUGH-IN.



POWER PLAN

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

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BUILDING SYSTEMS PLANS FOR:
HARNETT SELF STORAGE
SPOUT SPRINGS, NC

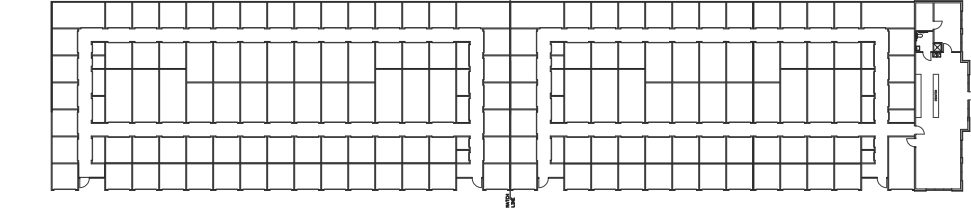
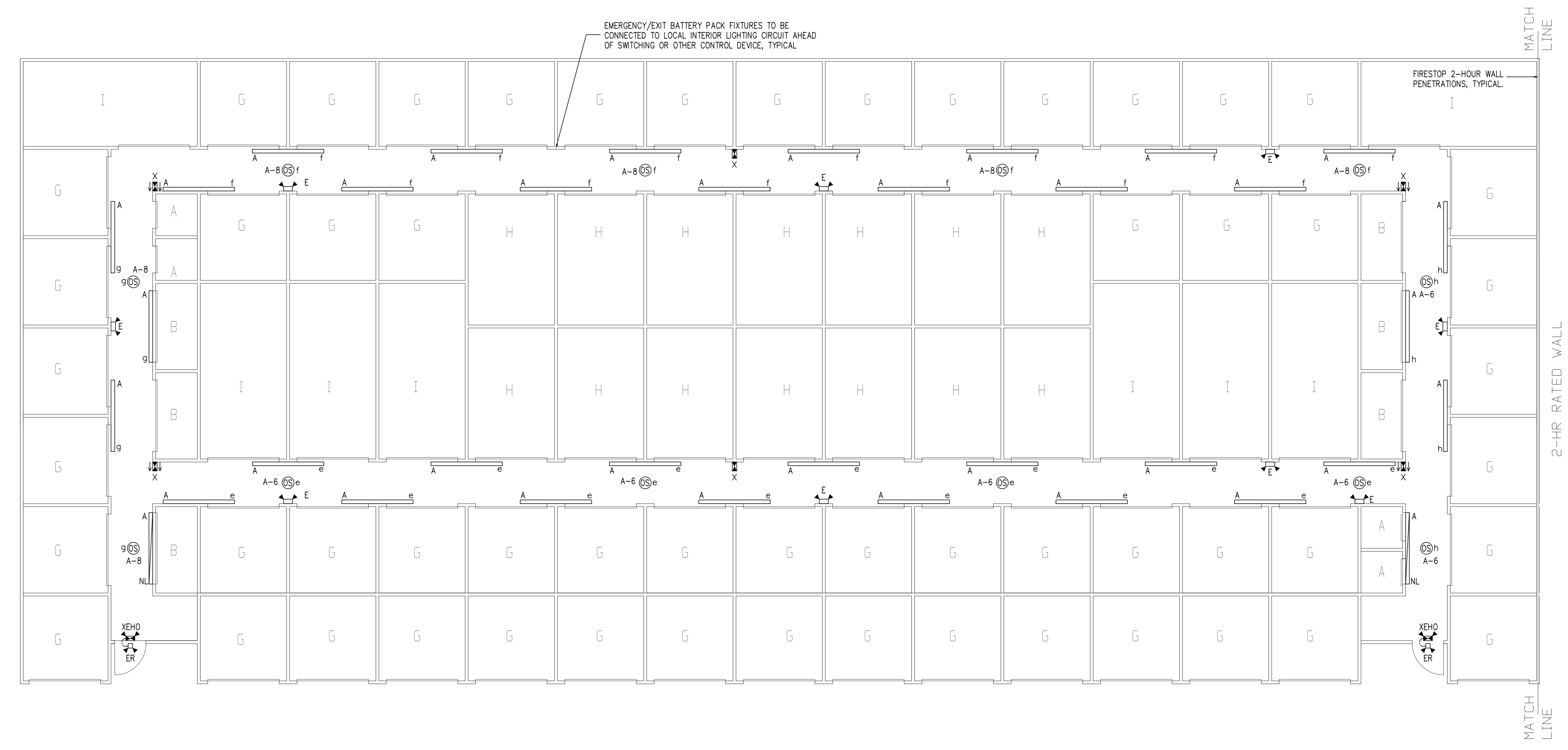
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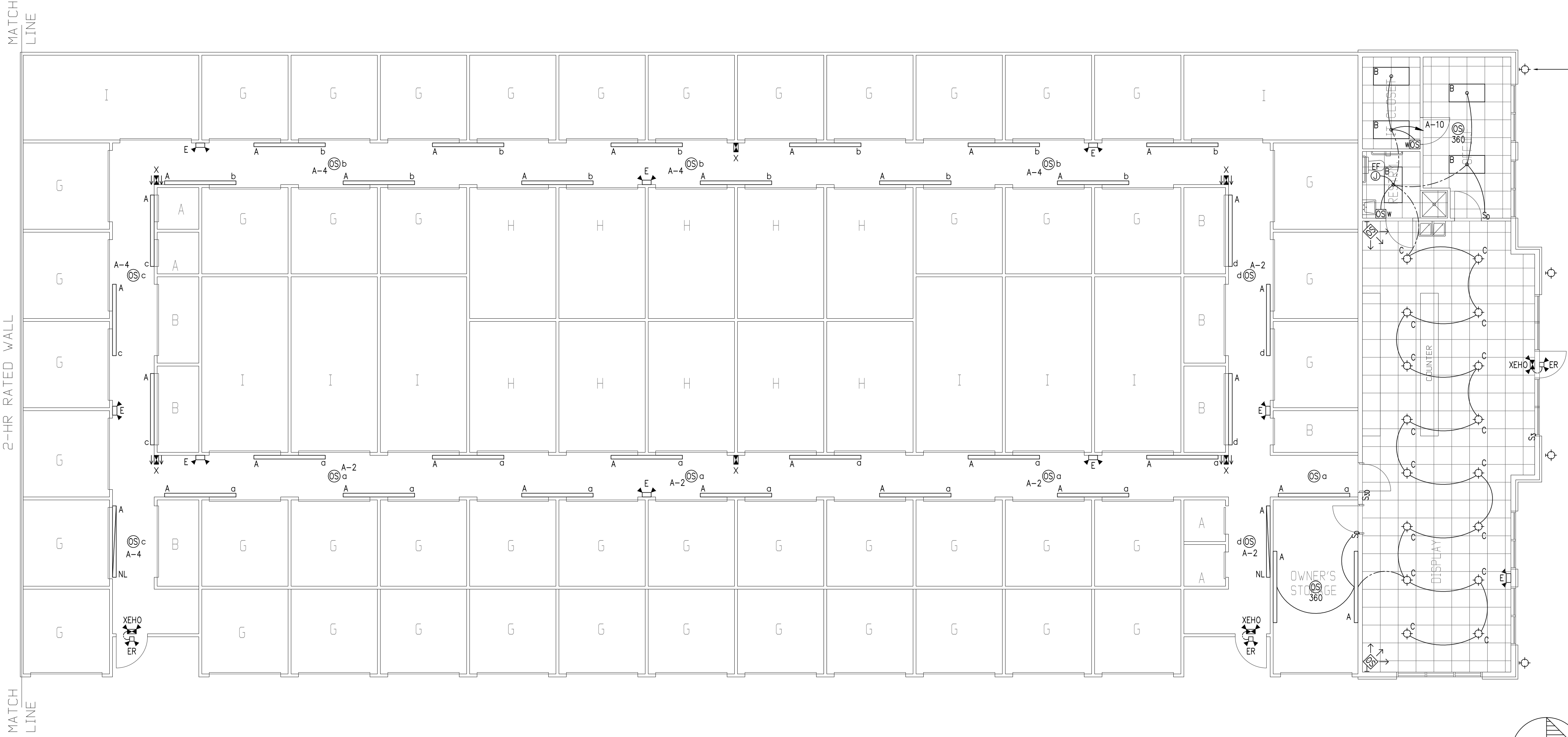
NOTE: OCCUPANCY SENSOR LAYOUT IS SCHEMATIC & INTENDED TO INDICATE CONTROL ZONES. COORDINATE SELECTION, QUANTITIES & LOCATION WITH SENSOR SUPPLIER AS REQUIRED TO CONTROL THE INDICATED ZONES. COORDINATE INSTALLATION WITH OTHER TRADES. PROVIDE ALL WORK REQUIRED FOR A COMPLETE INSTALLATION. ACCEPTABLE MANUFACTURERS ARE WATTSTOPPER, LEGRAND, LUTRON, LEVITON OR HUBBELL. CONTRACTOR'S WORK TO INCLUDE ALL LABOR & MATERIALS NECESSARY FOR AND INCIDENTAL TO THE DELIVERY, INSTALLATION AND FURNISHING OF A COMPLETELY OPERATIONAL OCCUPANCY SENSOR LIGHTING CONTROL SYSTEM. MAKE ALL ADJUSTMENTS REQUIRED TO CONTROL INDICATED ZONES. AVOID INSTALLING SENSORS WITHIN 8' OF AIR HANDLERS, DEHUMIDIFIERS OR AIR VENTS.

EMERGENCY/EXIT BATTERY PACK FIXTURES TO BE CONNECTED TO LOCAL INTERIOR LIGHTING CIRCUIT AHEAD OF SWITCHING OR OTHER CONTROL DEVICE, TYPICAL

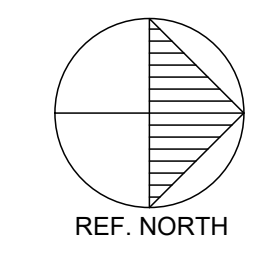
FIRESTOP 2-HOUR WALL PENETRATIONS, TYPICAL.



KEY PLAN
NO SCALE

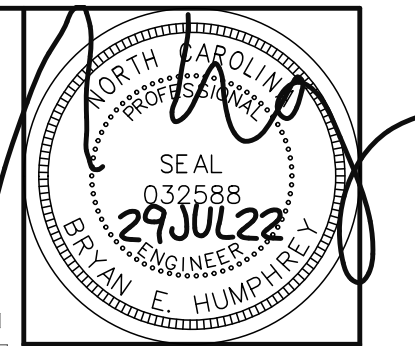


SEE AREA LIGHTING PLAN, TYPICAL.



LIGHTING PLAN

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



NO.	REVISIONS

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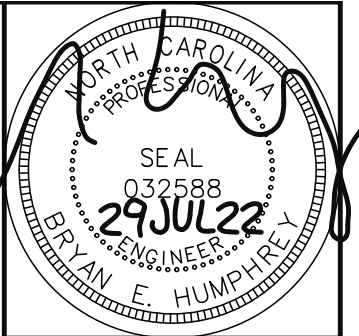
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BUILDING SYSTEMS PLANS FOR:
HARNETT SELF STORAGE
SPOUT SPRINGS, NC

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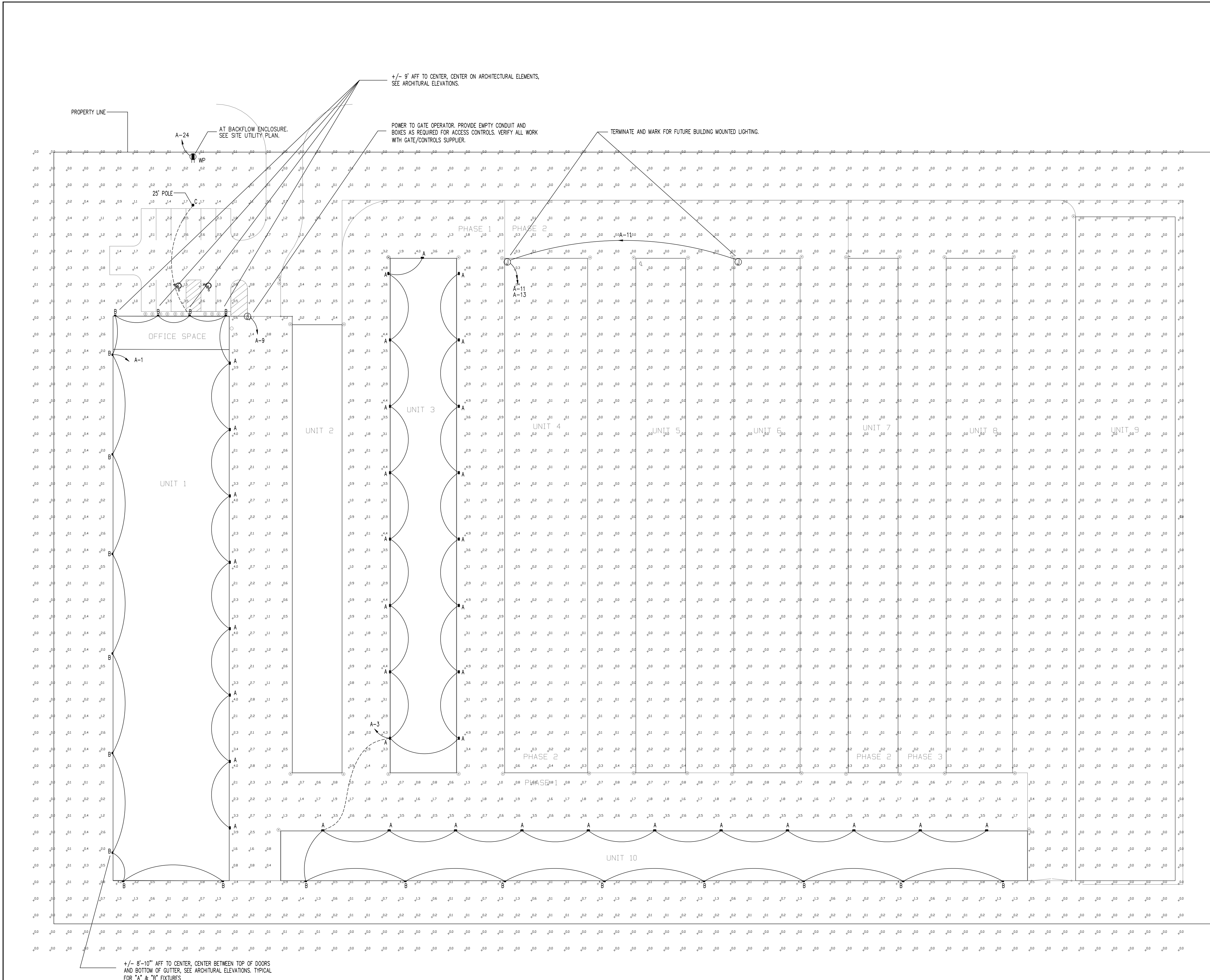
Table with 2 columns: No., Description. Contains one revision entry.

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'A' FIXTURE product page for TWH LED Wall Luminaire. Includes specifications, ordering information table, and accessories list.

'B' FIXTURE product page for WPX LED Wall Packs. Includes specifications, ordering information table, and features & specifications.

'C' FIXTURE product page for CSX1 LED Area Luminaire. Includes specifications, ordering information table, and photo cell control options.



AREA LIGHTING & SITE ELECTRICAL PLAN. SCALE: 1" = 30'-0". REF. NORTH. Includes notes about fixture placement and utility connections.

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BUILDING SYSTEMS PLANS FOR: HARNETT SELF STORAGE SPOUT SPRINGS, NC

JOB NO. 2278 ORIGINAL ISSUE DATE 29JUL22 DRAWN BY JMK CHECKED BY BEH SHEET NO.

LIGHT FIXTURE SCHEDULE

SIMILAR FIXTURES BY OTHER MANUFACTURERS ARE GENERALLY ACCEPTABLE FOR SUBMITTAL BUT SUBJECT TO REVIEW AND APPROVAL

MARK	MANUFACTURER	CATALOG NUMBER	LAMPS	POWER	NO.	WATTS EA.	INT. WATTS	EXT. WATTS	REMARKS
A	LITHONIA	CSS L96 AL04 MVOLT SWW3 80CRI	LED	120V	71	88	6248	NA	8" LINEAR LED STRIP LIGHT W/ ROUND DIFFUSE LENS, SET TO 10,000 LUMENS AND COLOR TEMP. TO 40K
B	LITHONIA	2TL4 60L FW A12 EZ1 LP835	LED	120V	5	47	235	NA	LED, 2X4 RECESSED STATIC TROFFER WITH ACRYLIC LENS
C	LITHONIA	LDN6 35/30 L06 AR LSS MVOLT	LED	120V	16	35	560	NA	6" OPEN DOWNLIGHT, SEMI-SPECULAR REFLECTOR
E	LITHONIA	ELM4L	STANDARD	120V	16	NA	NA	NA	EMERGENCY LIGHT WITH DUAL ADJUSTABLE HEADS AND EMERGENCY BATTERY PACK.
X	LITHONIA	LQM S W 3 R 120/277 EL N	LED	120V	12	5	NA	NA	SINGLE FACE ILLUMINATED EXIT SIGN WITH EMERGENCY BATTERY PACK & EXTRA FACE.
XEHO	LITHONIA	LHQW LED R HO	STANDARD	120V	5	5	NA	NA	COMBO ILLUMINATED EXIT SIGN & EMERGENCY LIGHT WITH HIGH OUTPUT BATTERY PACK
ER	LITHONIA	ELA B T QWP L0309	STANDARD	120V	5	NA	NA	NA	OUTDOOR REMOTE DUAL HEAD EMERGENCY FIXTURE POWERED FROM XEHO FIXTURE

NOTE: FIXTURE QUANTITIES LISTED ARE NOT TO BE RELIED UPON FOR TAKE-OFF PURPOSES.

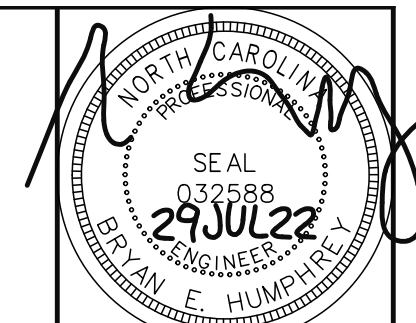
7043 480

MOUNTING:	PANEL - A	MAIN BUS	200A
FLUSH	120 \ 208 VOLTS	AIC	225A
	3 PHASE 4 WIRE Y		22K

LOAD	VOLT AMPS			L T G	R E V C	H V C	K I T	M S C	WIRE	B K R	C T K	BUS			C T K	B K R	WIRE	M S C	K I T	H V C	R E V	L T G	VOLT AMPS			LOAD
	φ A	φ B	φ C									A	B	C									φ A	φ B	φ C	
EXTERIOR LTS	1400								#12	20	1			2	20	#12							1400			LTS
EXTERIOR LTS		1400							#12	20	3			4	20	#12							1400			LTS
SIGN (TIMELOCK)			1200						#12	20	5			6	20	#12								1600		LTS
SIGN (TIMELOCK)	1200								#12	20	7			8	20	#12							1600			LTS
GATE OPERATOR		1200							#12	20	9			10	20	#12							1200			LTS
FUTURE EXTERIOR LTS									#10	20	11			12	20	#12								360		REC
FUTURE EXTERIOR LTS									#10	20	13			14	20	#12							360			REC
DEHUMIDIFIER		960							#12	15	15			16	20	#12							720			REC
DEHUMIDIFIER			960						#12	15	17			18	20	#12							1260			REC
DEHUMIDIFIER	960								#12	15	19			20	20	#12							1140			REC
DEHUMIDIFIER		960							#12	15	21			22	20											SPARE
MSAHUs			160						#12	15	23			24	20	#12							180			REC AT RPZ
"	160								"	"	25			26	20	#12							1500			EPH
MSHP-1		3015							#8	40	27			28	20											SPARE
"			3015						"	"	29			30	20											SPARE
MSHP-2		3015							#8	40	31			32	30	#10							1800			HP-1
"			3015						"	"	33			34	"	"							1800			"
MSHP-3			3015						#8	40	35			36	"	"							1800			"
"		3015							"	"	37			38	45	#8							4080			AHU-1
MSHP-4			3015						#8	40	39			40	"	"							4080			"
"			3015						"	"	41			42	"	"							4080			"
SPACE									"	"	43			44												SPACE
"									"	"	45			46												"
"									"	"	47			48												"
"									"	"	49			50												"
"									"	"	51			52												"
"									"	"	53			54												"

VOLT - AMPS PER PHASE	φ A	21630	φ B	22765	φ C	20645
AMPS PER PHASE		180		190		172
TOTAL VOLT - AMPS =	65040		AMPS =	180.67	LCL =	

NOTES:
 AVAILABLE FAULT CURRENT TO BE DETERMINED IN COOPERATION WITH DUKE ENERGY BEFORE PURCHASING EQUIPMENT



REVISIONS

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BUILDING SYSTEMS PLANS FOR:
HARNETT SELF STORAGE
 SPOUT SPRINGS, NC

JOB NO. 2278
 ORIGINAL ISSUE DATE 29JUL22
 DRAWN BY JMIK
 CHECKED BY BEH
 SHEET NO. E-5
 OF 5

ELECTRICAL SCHEDULES

NO SCALE

BUILDING 'B' NEW STORAGE FACILITY FOR HARNETT SELF STORAGE SPOUT SPRINGS, NC

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3406-A West Wendover Avenue
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APPENDIX "B" BUILDING CODE SUMMARY

Name of project: **BLDG. 'B' NEW FACILITY FOR HARNETT SELF STORAGE**

Address: _____ Zip Code: _____

Owner or Authorized Agent: **VC SMITH** Phone: 336-855-1266 E-mail: **erskinem@ballouth.net**

Owned By: City/County Private State

Code Enforcement Jurisdiction: City - **SALFORD** County

CONTACT: **Victor J. Smith**

DESIGNER: **ERSKINE-SMITH ARCHITECTURE, P.L.L.C.** NAME: **Victor J. Smith** LICENSE NO. **6687** TELEPHONE NO. **336-855-1266** E-MAIL ADDRESS **erskinem@ballouth.net**

Architectural: _____ PLG: _____

Electrical: _____

Fire Alarm: _____

Plumbing: _____

Mechanical: _____

Sprinkler/Standpipe: _____

Structural: _____

Retaining Walls: High Other _____

2018 NC BUILDING CODE: New Building Addition Renovation
 Initial Interior Completion
 Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
 Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE, EXISTING: Prescriptive Repair Chapter 14
 Alterations Level I Level II Level III
 Historic Property Change of Use

CONSTRUCTION (date): _____ ORIGINAL OCCUPANCY (Ch. 3): _____
 RENOVATED (date): _____ PROPOSED OCCUPANCY (Ch. 3): **STORAGE**

RISK CATEGORY (Table 1604.3):
 Current I II III IV V
 Proposed I II III IV

BASIC BUILDING DATA

Construction Type: I-A I-B II-A II-B III-A III-B IV V-A V-B

Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D

Standpipes: No Yes Class: I II III Wet Dry

Fire District: No Yes Flood Hazard Area: No Yes

Special Inspections Required: No Yes Contact the local inspection jurisdiction for additional procedures and requirements

Manual Fire Alarm System with Notification: No Yes

Gross Building Area:

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
4th Floor			
3rd Floor			
2nd Floor			
Mezzanine			
1st Floor		8,100 sf	
Basement			
TOTAL		8,100 sf	

PERCENTAGE OF WALL OPENINGS CALCULATION

Fire Separation Distance (feet) / Non Property Line	Degree of Opening Protection (Table 705.8)	Allowable Area (%)	Actual Shown on Plans (%)
NORTH 35'	UNPROTECTED, NONSPRINKLERED	NO LIMIT	0
WEST ASSUMED PROPERTY LINE 18'	UNPROTECTED, NONSPRINKLERED	NO LIMIT PER TABLE 705.8.1 ex. 2	64%
SOUTH 17.5'	UNPROTECTED, NONSPRINKLERED	NO LIMIT PER TABLE 705.8.1 ex. 2	56%
EAST ASSUMED PROPERTY LINE 14.5'	UNPROTECTED, NONSPRINKLERED	NO LIMIT PER TABLE 705.8.1 ex. 2	54%

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet - COVER SHEET

Fire and/or smoke rated wall locations (Chapter 7)

Assumed and real property line locations (if not on site plan)

Exterior wall opening areas with respect to distance to assumed property lines (105.8)

Occupancy use for each area as it relates to occupancy load calculation (Table 1004.12)

Occupancy loads for each area

Exit access travel distance (107)

Common path of travel distance (Table 1006.2.1 & 1006.32(1))

Actual occupant load for each exit door

Clear exit width for each exit door

Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1009.3)

Actual occupant load for each exit door

A separate schematic plan indicating where fire rated floor ceiling and/or roof structure is provided for purposes of occupancy separation

Location of doors with panic hardware (1010.10)

Location of doors with delayed egress locks and the amount of delay (1010.11)

Location of doors with electromagnetic egress locks (1010.13)

Location for doors equipped with hold-open devices

Location of emergency escape windows (1020)

The square footage of each fire area (1021)

The square footage of each smoke compartment for Occupancy Classification 1-2 (401B)

Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DUELLING UNITS (Section 1107)

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	(C) AREA FOR INCREASE IN ACCESSIBLE UNIT (%)	(D) ALLOWABLE AREA PER STORY (QUALIFIED)				
						(E) ACCESSIBLE UNITS PROVIDED	(F) ACCESSIBLE UNITS REQUIRED	(G) ACCESSIBLE UNITS PROVIDED	(H) ACCESSIBLE UNITS REQUIRED

(1) Frontage area increases from Section 506.2 are computed as follows:
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
 b. Total Building Perimeter = _____ (P)
 c. Ratio (F/P) = _____ (R/P)
 d. W = Minimum width of public way = _____ (W)
 e. Percent of frontage increase = $(100 / (R/P - 0.25)) \times W / 30 = _____\%$

(2) Unlimited area applicable under conditions of Section 507

(3) Maximum Building Area = total number of stories in the building x D (506.2)

(4) The maximum area of open parking garages must comply with 406.5.4. The maximum area of air traffic control towers must comply with 403.3

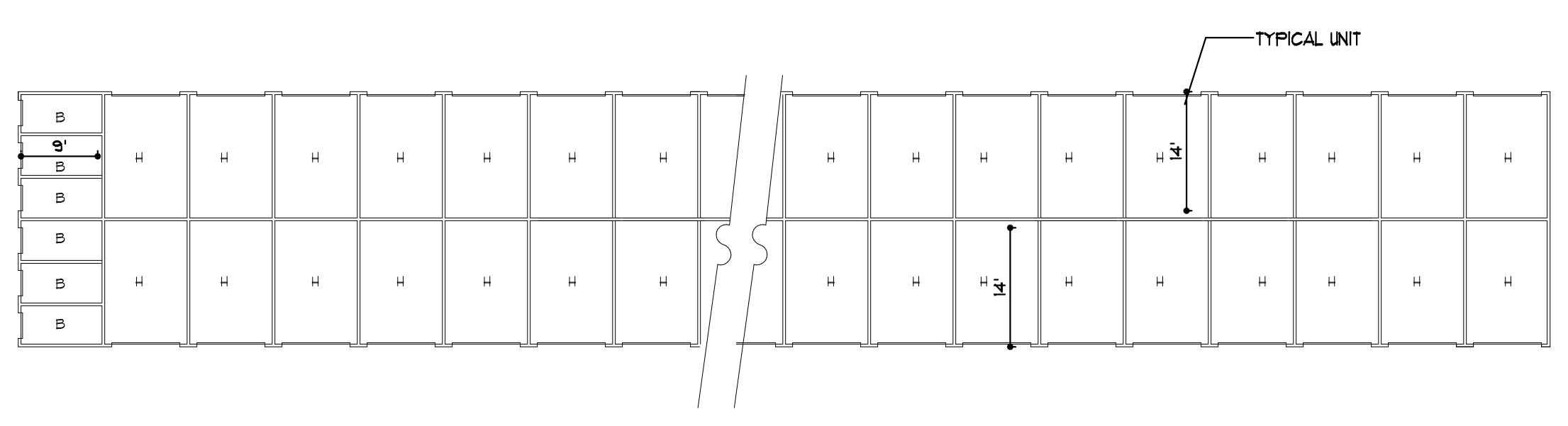
(5) Frontage increase is based on the unspinklered area value in Table 506.2

ALLOWABLE HEIGHT

	Allowable	Show on plans	Code Reference
Building Height in Feet (Table 504.3)	55 FT.	D'	
Building Height in Stories (Table 504.4)	2	1	

Provide code reference if the "shown on Plans" quantity is not based on Table 504.3 or 504.4.

NS = BUILDING NOT EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM



LIFE SAFETY & OCCUPANCY PLAN
1/16" = 1'-0"

OCCUPANCY STORAGE
8,100 SF / 500 = 162

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING	DETAIL AND SHEET #	DESIGN FOR RATED ASSEMBLY	DESIGN FOR RATED PENETRATION	DESIGN FOR RATED JOINTS
Structural Framing, including columns, girders, trusses		O				
Bearing walls						
Exterior						
NORTHWEST	6'-6"	O				
NORTHEAST	6'-6"	O				
SOUTHWEST WALL (ASSUMED PROPERTY LINE)	15'	O				
SOUTHWEST WALL	3'-4"	O				
Interior						
Nonbearing walls and partitions						
Exterior walls						
North	N/A	O				
East	N/A	O				
West	N/A	O				
South	N/A	O				
Interior walls & partitions						
Floor construction including supporting beams and joists						
Floor Ceiling Assembly						
Columns Supporting Roof						
Roof construction including supporting beams and joists						
Floor Ceiling Assembly						
Columns Supporting Roof						
Roof construction including supporting beams and joists						
Floor Ceiling Assembly						
Columns Supporting Roof	N/A					
Shafts Enclosures - Exit	N/A					
Shafts Enclosures - Other	N/A					
Corridor Separation	N/A					
Occupancy/Fire Barrier Separation	N/A					
Party/Fire Wall Separation	N/A					
Smoke Barrier Separation	N/A					
Tenant / Dwelling Unit/ Sleeping Unit Separation	N/A					
Incidental Use Separation	N/A					

STRUCTURAL DESIGN

DESIGN LOADS:

Importance Factors: Snow (Is) _____ Seismic (Is) _____

Live Loads: Roof _____ psf
 Mezzanine _____ psf
 Floor _____ psf

Ground Snow Load: _____ psf
 Wind Loads: Ultimate Wind Speed (ASCE-7) _____ Exposure Category _____

SEISMIC DESIGN CATEGORY

A B C D

Provide the following Seismic Design Category:
 Risk Category (Table 1604.5) I II III IV
 Spectral Response Acceleration Coefficient A B C D E F
 Site Classification S1 S2 S3 S4 S5 S6 S7
 Basic structural system: Field Test Presumptive Historical Data

Basic structural system (check one):
 Moment Resisting Frame
 Dual w/ Special Moment Frame
 Moment Resisting Frame (Upper walls)
 Dual w/ Intermediate RC or Special Steel Moment Frame
 Inverted Pendulum

Analyze Procedure Simplified Equivalent Lateral Force Dynamic
 Architectural, Mechanical, components anchored: Yes No

LATERAL DESIGN CONTROL

Earthquake (Lower Level - Bldg. A & B)
 Wind (Upper Level - Bldg. A & B and C & D)

ACCESSIBLE PARKING (Section 1106)

LOT OR PARKING AREAS	TOTAL # OF PARKING SPACES REQUIRED	# OF ACCESSIBLE SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED		TOTAL NO. ACCESSIBLE UNITS PROVIDED
			REGULAR UNITS BY ACCESSIBLE	VAN SPACES WITH BY ACCESSIBLE	
TOTAL	SEE SITE PLAN				

PLUMBING FIXTURE REQUIREMENTS (Table 2902J)

USE	WATER CLOSETS			URINALS			LAVATORIES			SHOWERS			DRINKING FOUNTAINS		
	MALE	FEMALE	UNSEX	MALE	FEMALE	UNSEX	TUBS	REGULAR	ACCESSIBLE	REGULAR	ACCESSIBLE	REGULAR	ACCESSIBLE	REGULAR	ACCESSIBLE
OUTSIDE EXISTING															
INSIDE EXISTING															
NEW															
TOTAL															

Special approval: (Local Jurisdiction, Department of Insurance, OCC, DPI, DPH, ICC, etc., describe below)

ENERGY REQUIREMENTS

The following data shall be considered minimum and any special attributes required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost standard reference design vs annual energy cost for the proposed design.

Climate Zone: 3 4 5

Method of Compliance

Prescriptive (Energy Code)
 Performance (Energy Code)
 Prescriptive (ASHRAE 90.1)
 Performance (ASHRAE 90.1)

THERMAL ENVELOPE

Roof/Ceiling Assembly (each assembly)

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Skylights in each assembly: _____
 U-Value of skylight: _____
 Total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Openings in each assembly: _____
 Description of opening: _____
 U-Value of assembly: _____
 Door R-Values: _____

Walls below grade (each assembly)

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors over unconditioned space (each assembly)

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors slab on grade

Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Horizontal/vertical requirement: _____
 Slab rested: _____

UNIT MIX - TOTAL 4 BLDG.

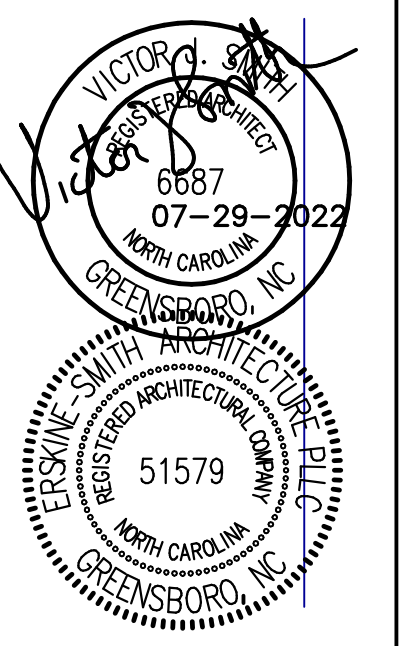
SIZE	MARK	BUILDING TYPE				TOTAL	ACCESSIBLE UNITS
		A	B	C	J		
5'x5'	A	4	-	-	-	66	
5'x10'	B	13	6	8	-	81	BLDG. A
10'x10'	G	105	-	-	-	81	
10'x15'	H	24	52	-	-	183	BLDG. A
10'x20'	I	16	-	60	-	88	
12'x30'	K	-	-	-	26	44	BLDG. J
12'x30'	L	-	-	-	30	30	
TOTAL		162	58	68	44	332	

NET SQ. FT. PER BLDG: 18,284 8,100 2,400 13,500 55,284 SQ. FT. NET TOTAL
 GROSS SQ. FT. PER BLDG: 23,508 8,100 2,400 13,500 51,508 SQ. FT. GROSS TOTAL

UNIT CALCULATIONS

CODE REQUIREMENTS	PERCENTAGE	# OF UNITS	# OF ADA UNITS REQ.
5% OF THE FIRST 200 UNITS	5%	200	10
2% OF REMAINING UNITS	2%	132	2.64
TOTAL		332	3

NOTE: ALL ACCESSIBLE STORAGE UNITS DOORS SHALL HAVE A MAX. 5 LB. FUL.



NEW STORAGE FACILITY FOR BLDG. 'B'
HARNETT SELF STORAGE
SPOUT SPRINGS, NC

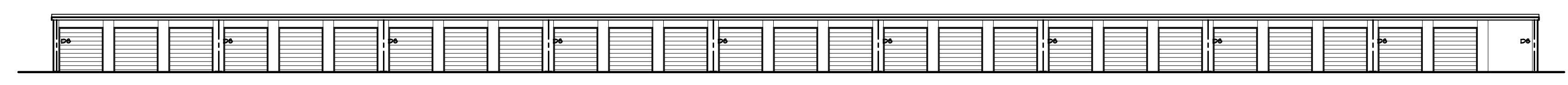
REVISIONS

NO.	REVISIONS	BY

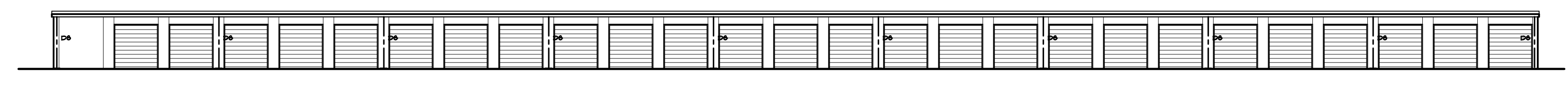
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BLDG. B

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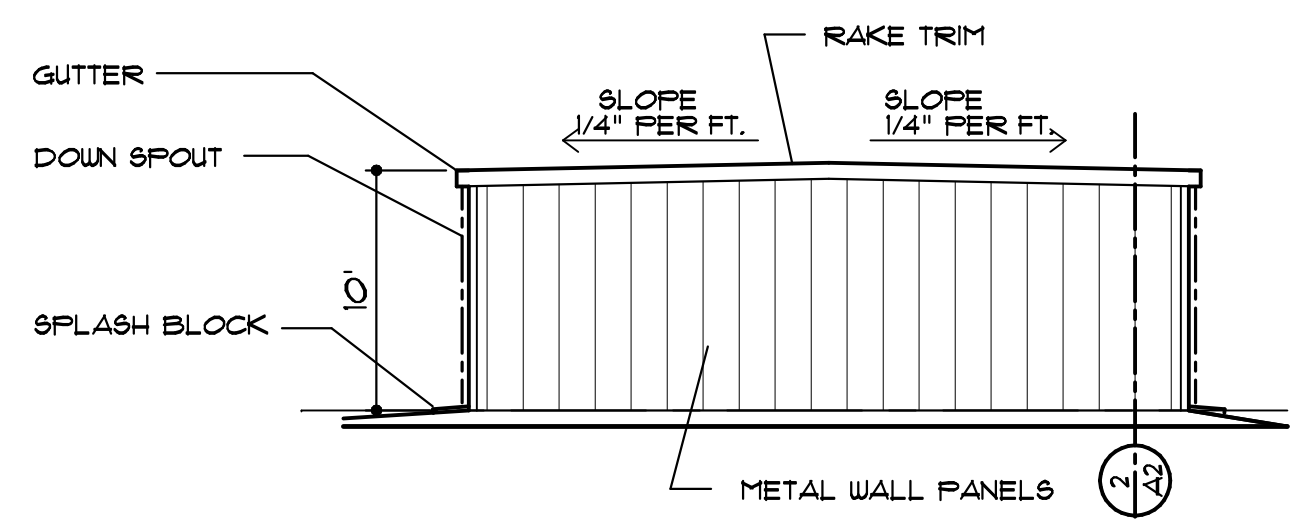
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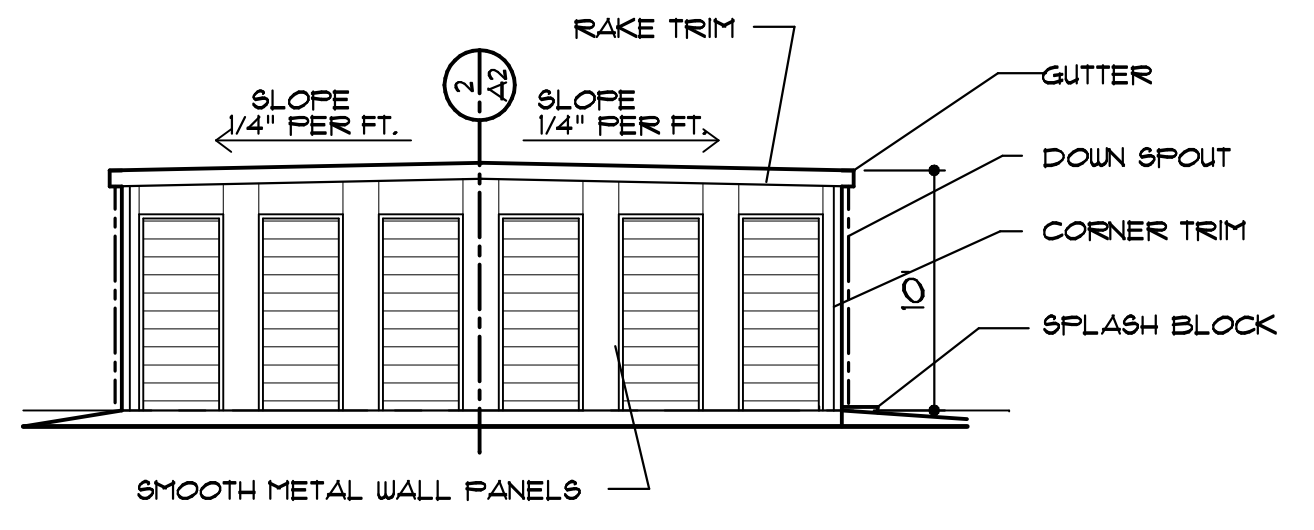
WEST ELEVATION
 1/16" = 1'-0"



EAST ELEVATION
 1/16" = 1'-0"



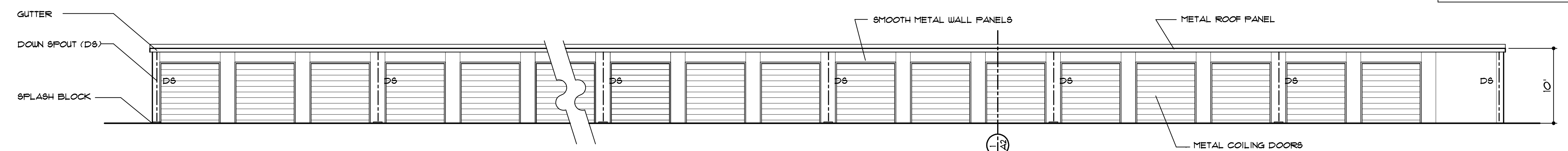
NORTH ELEVATION
 1/8" = 1'-0"



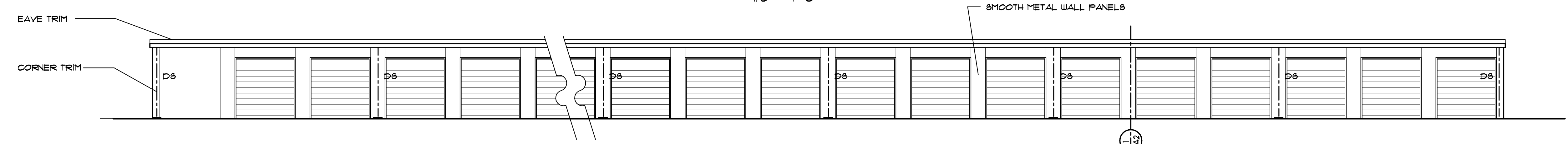
SOUTH ELEVATION
 1/8" = 1'-0"

ALL RAIN LEADER TO HAVE SPLASH BLOCKS

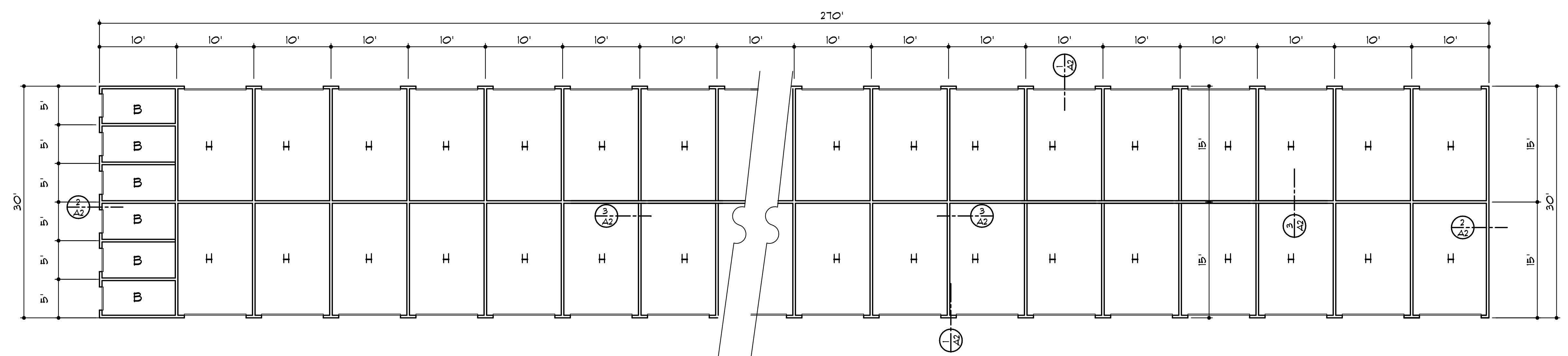
DOWN SPOUTS & GUTTERS
 ROOF AREA = 13,500 SF
 GUTTER LENGTH = 450' LF
 GUTTER SIZE = 5" w x 4" d
 # DOWN SPOUT (3" x 4") = 16
 AREA PER DOWN SPOUT = 844 sf



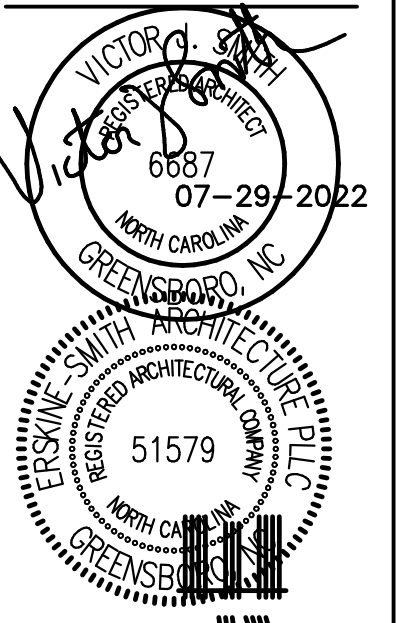
PARTIAL WEST ELEVATION
 1/8" = 1'-0"



PARTIAL EAST ELEVATION
 1/8" = 1'-0"



FLOOR PLAN
 1/8" = 1'-0"



**NEW STORAGE FACILITY FOR
 HARNETT SELF STORAGE
 SPOUT SPRINGS, NC**

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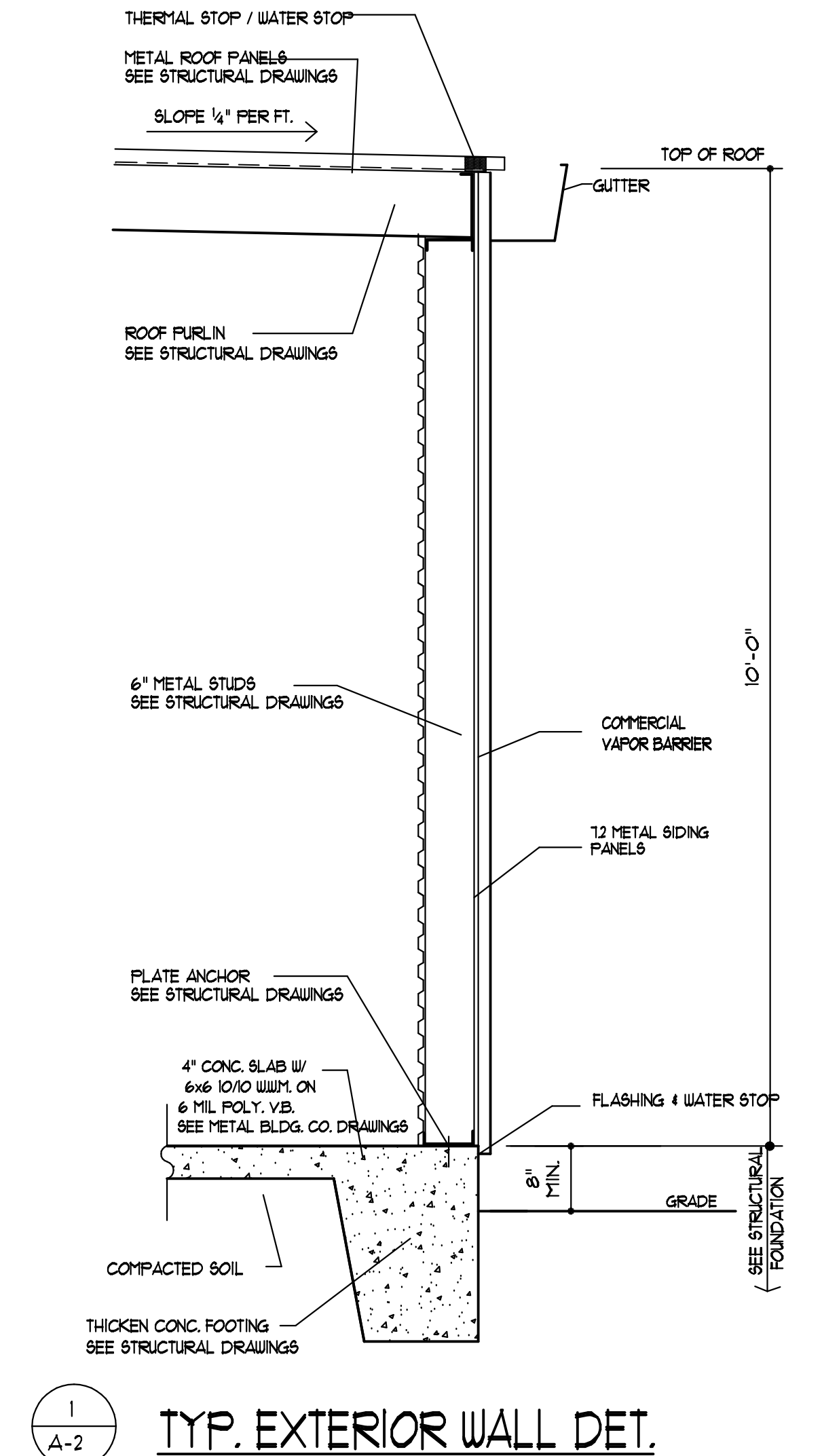
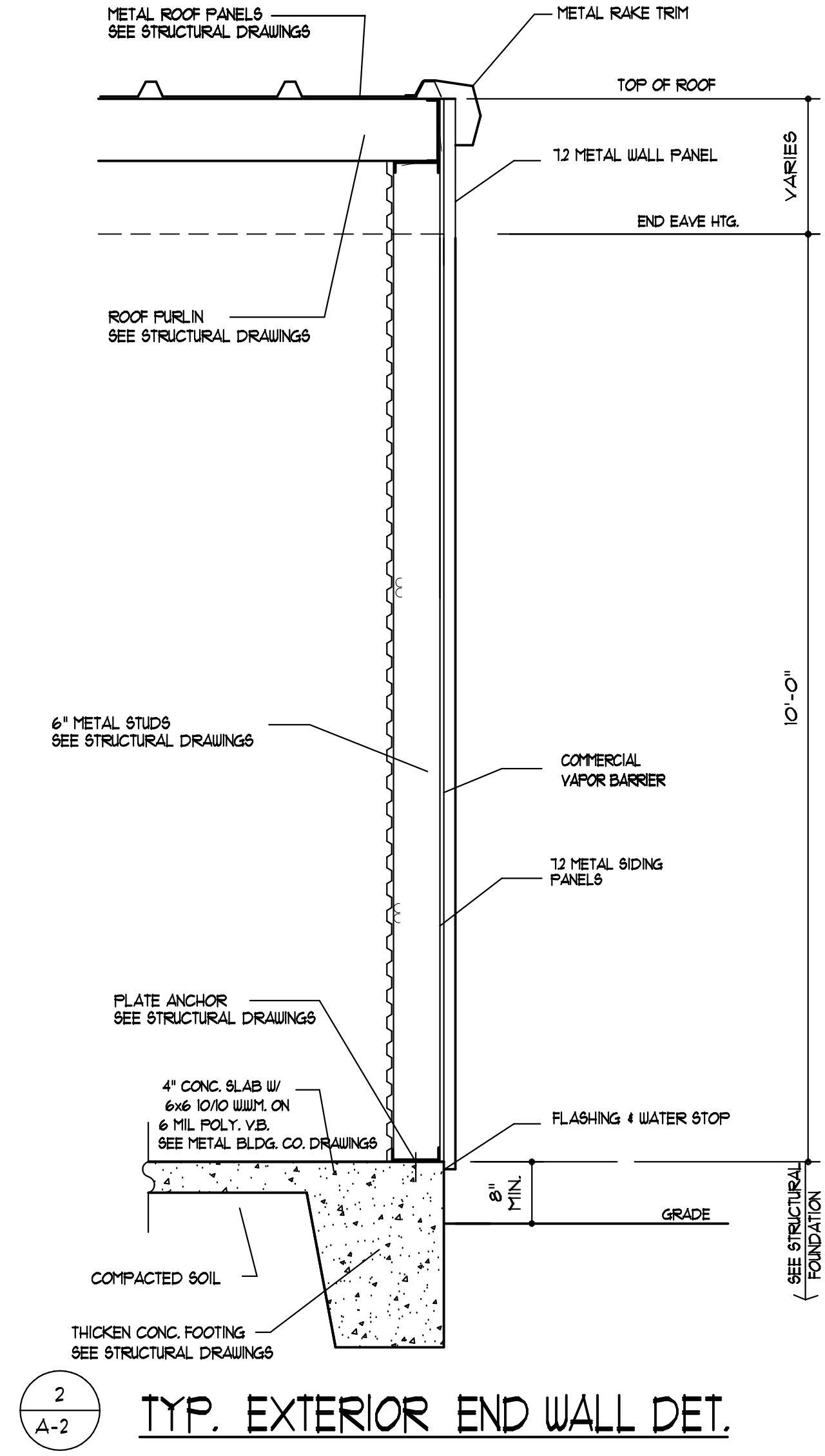
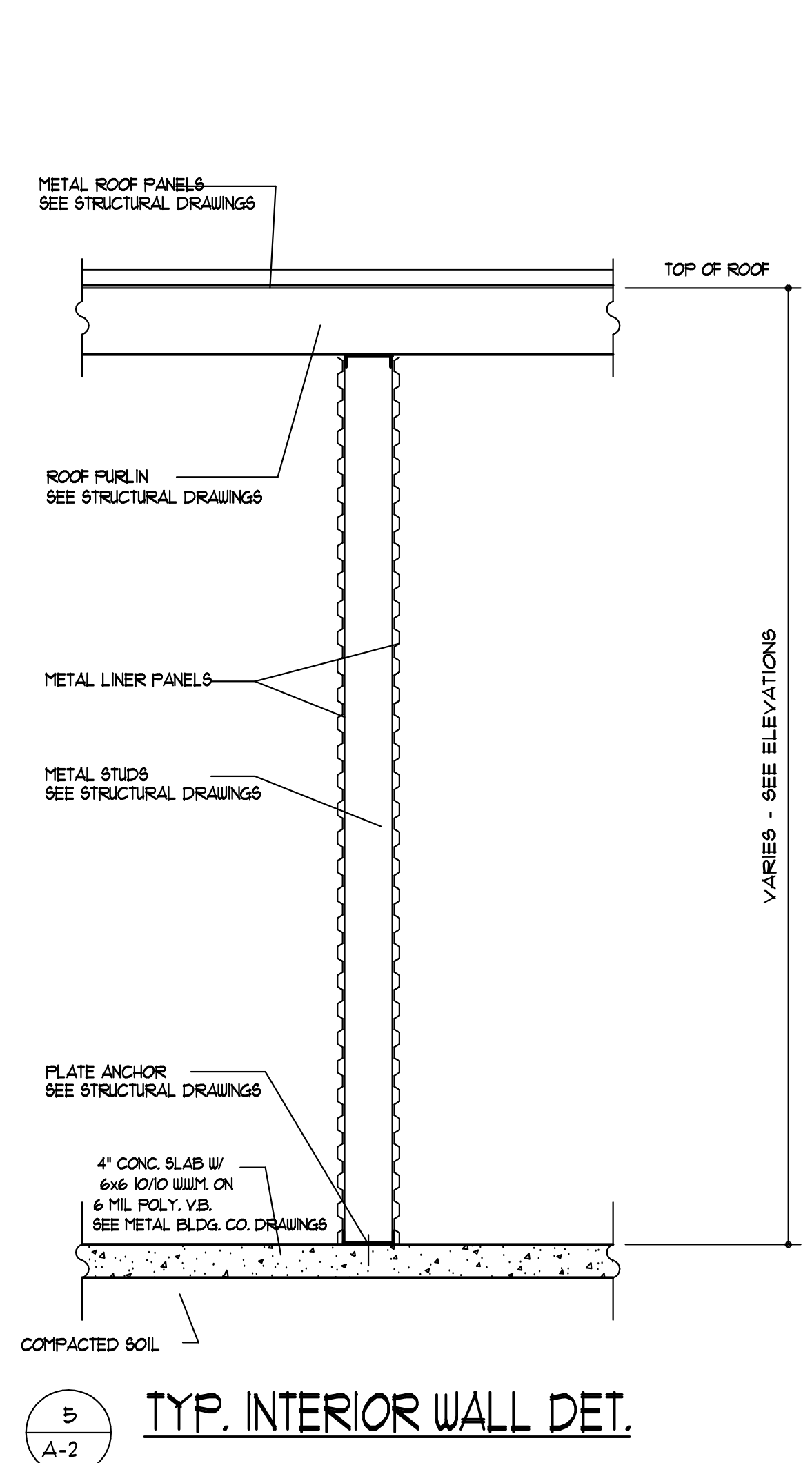
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NEW STORAGE FACILITY FOR BLDG. 'B'
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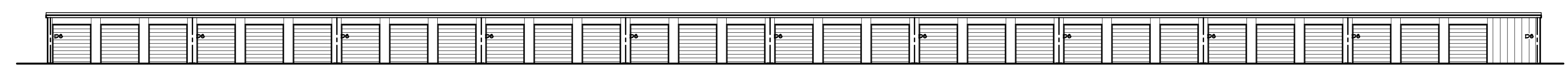
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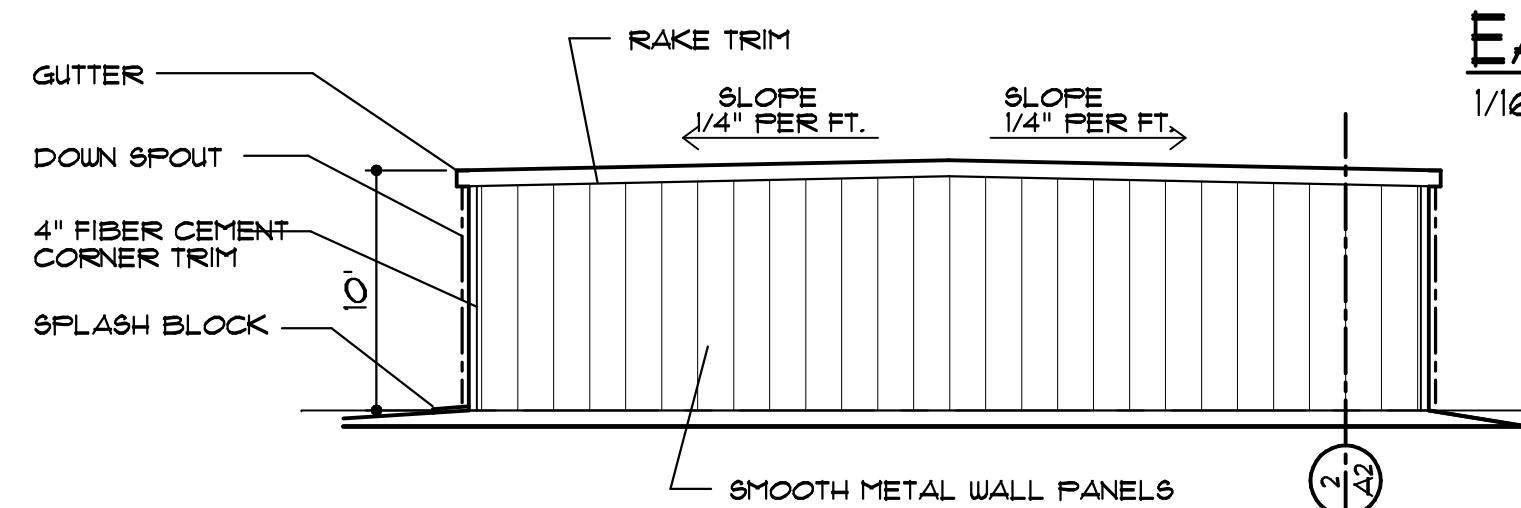
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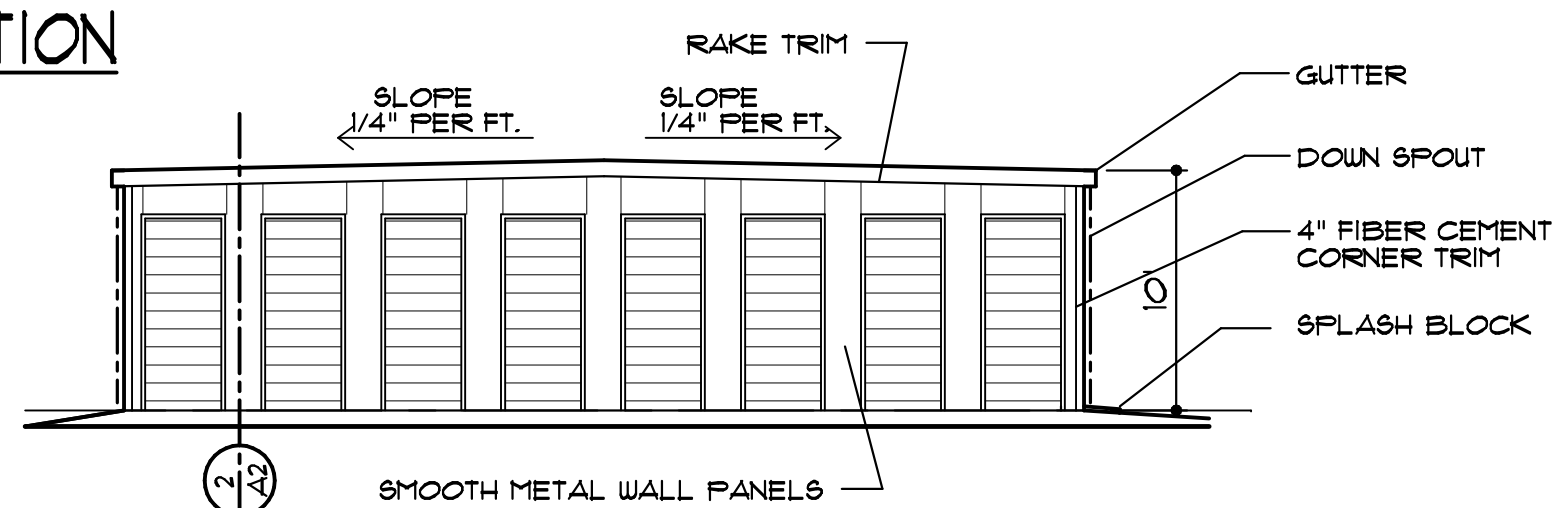
WEST ELEVATION
 1/16" = 1'-0"



EAST ELEVATION
 1/16" = 1'-0"



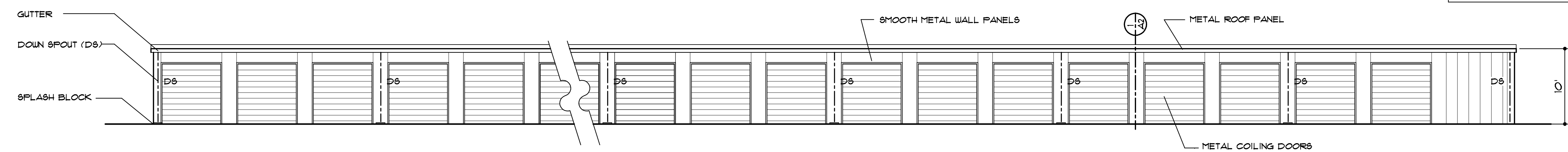
NORTH ELEVATION
 1/8" = 1'-0"



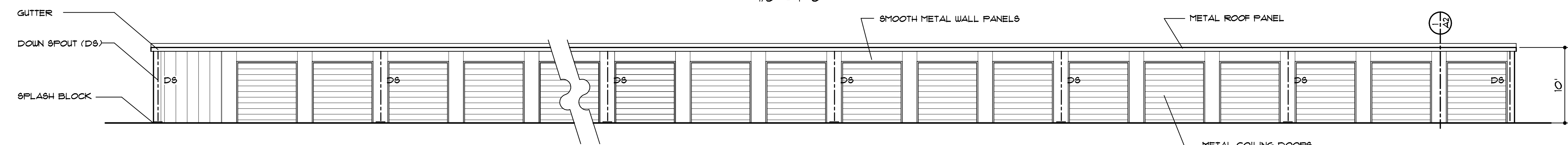
SOUTH ELEVATION
 1/8" = 1'-0"

ALL RAIN LEADER TO HAVE SPLASH BLOCKS

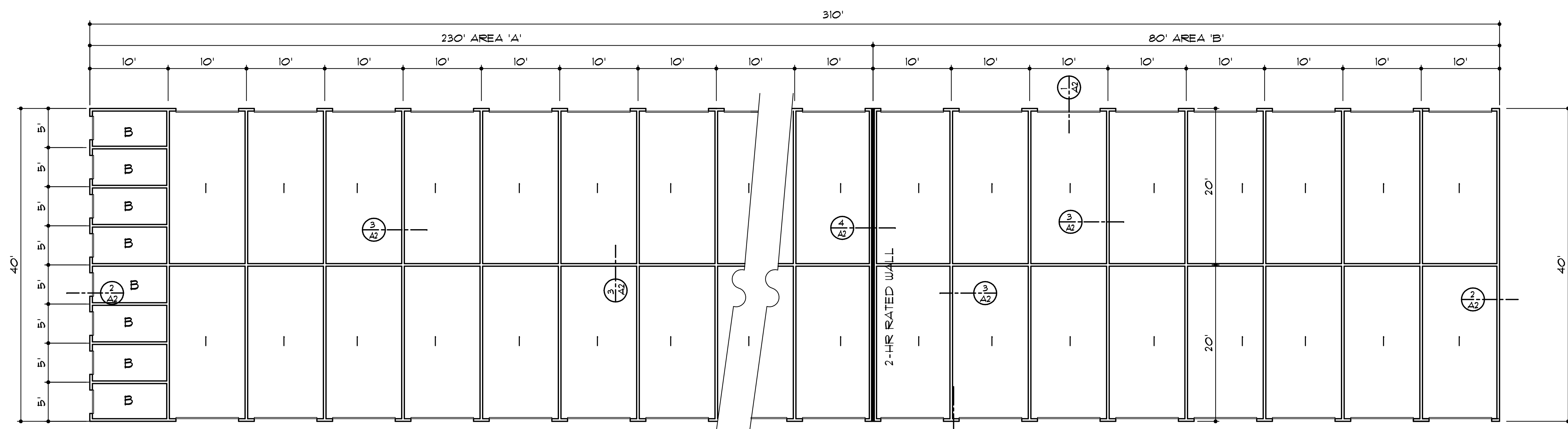
DOWN SPOUTS & GUTTERS
 ROOF AREA = 13,500 SF
 GUTTER LENGTH = 450' LF
 GUTTER SIZE = 5" w x 4" d
 # DOWN SPOUT (3" x 4") = 16
 AREA PER DOWN SPOUT = 844 sf



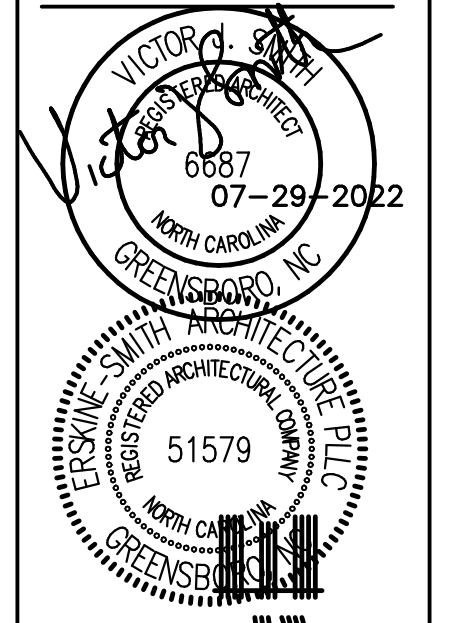
PARTIAL WEST ELEVATION
 1/8" = 1'-0"



PARTIAL EAST ELEVATION
 1/8" = 1'-0"



FLOOR PLAN
 1/8" = 1'-0"



NEW STORAGE FACILITY FOR HARNETT SELF STORAGE
 SPOUT SPRINGS, NC

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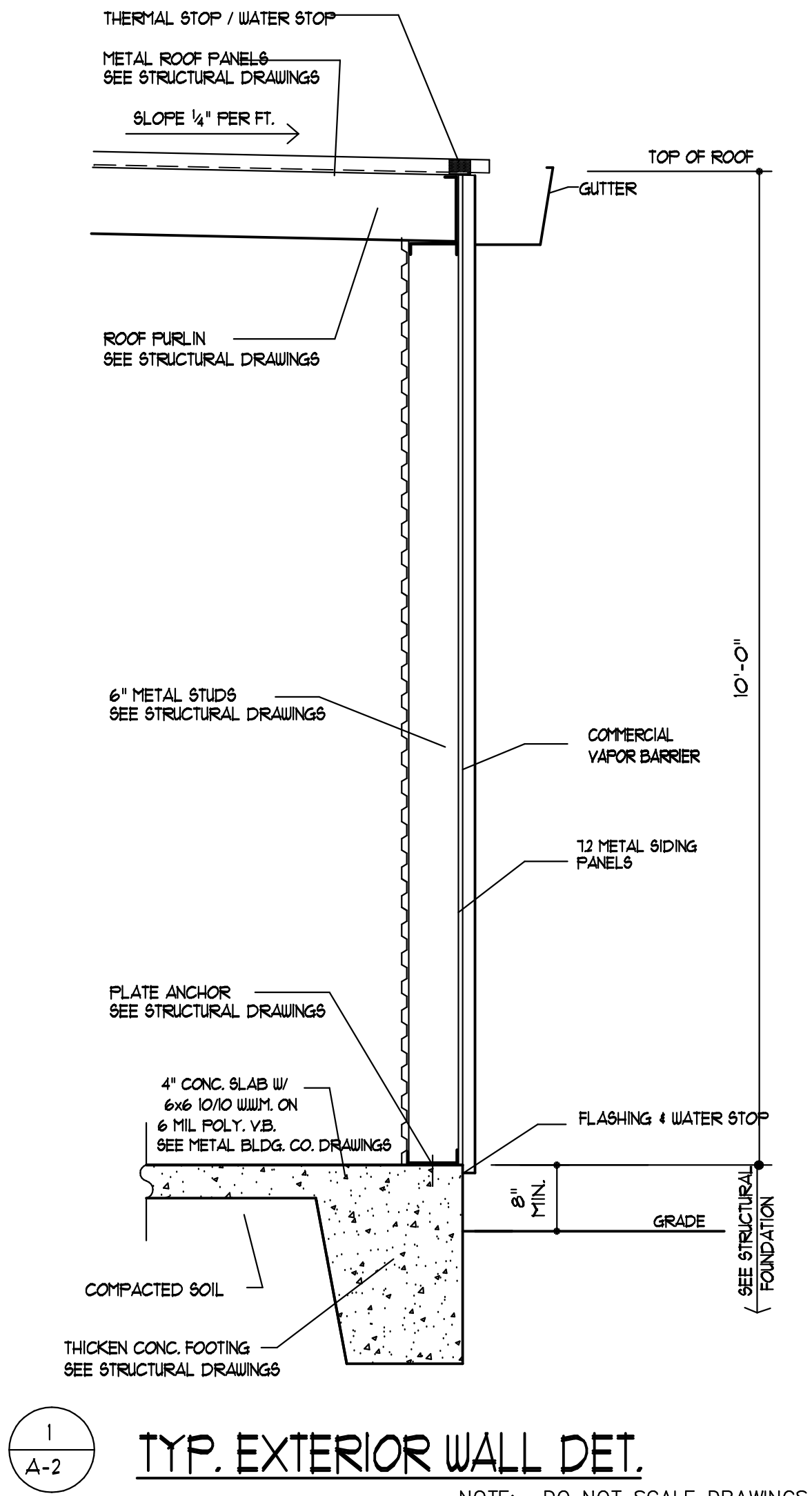
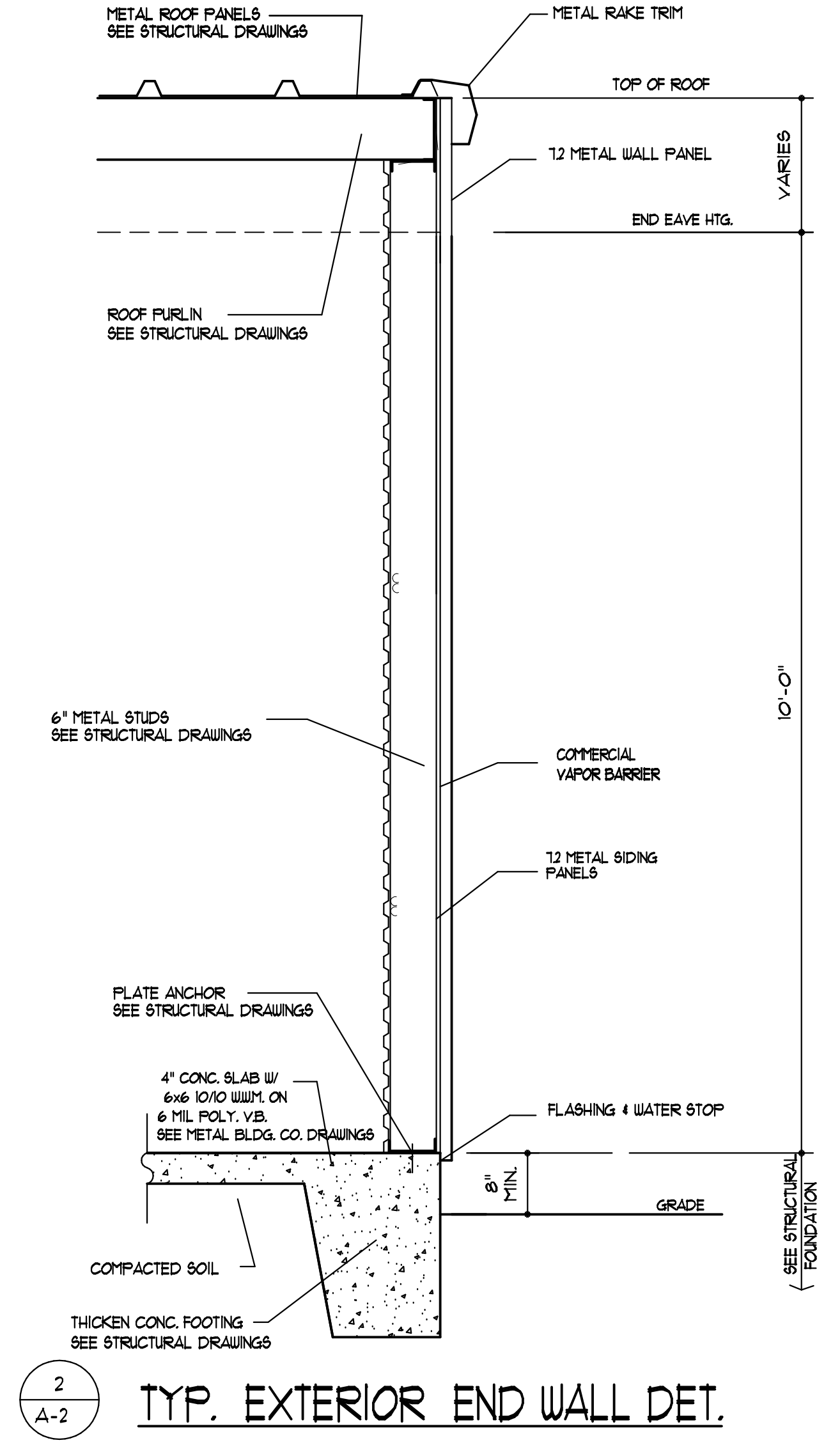
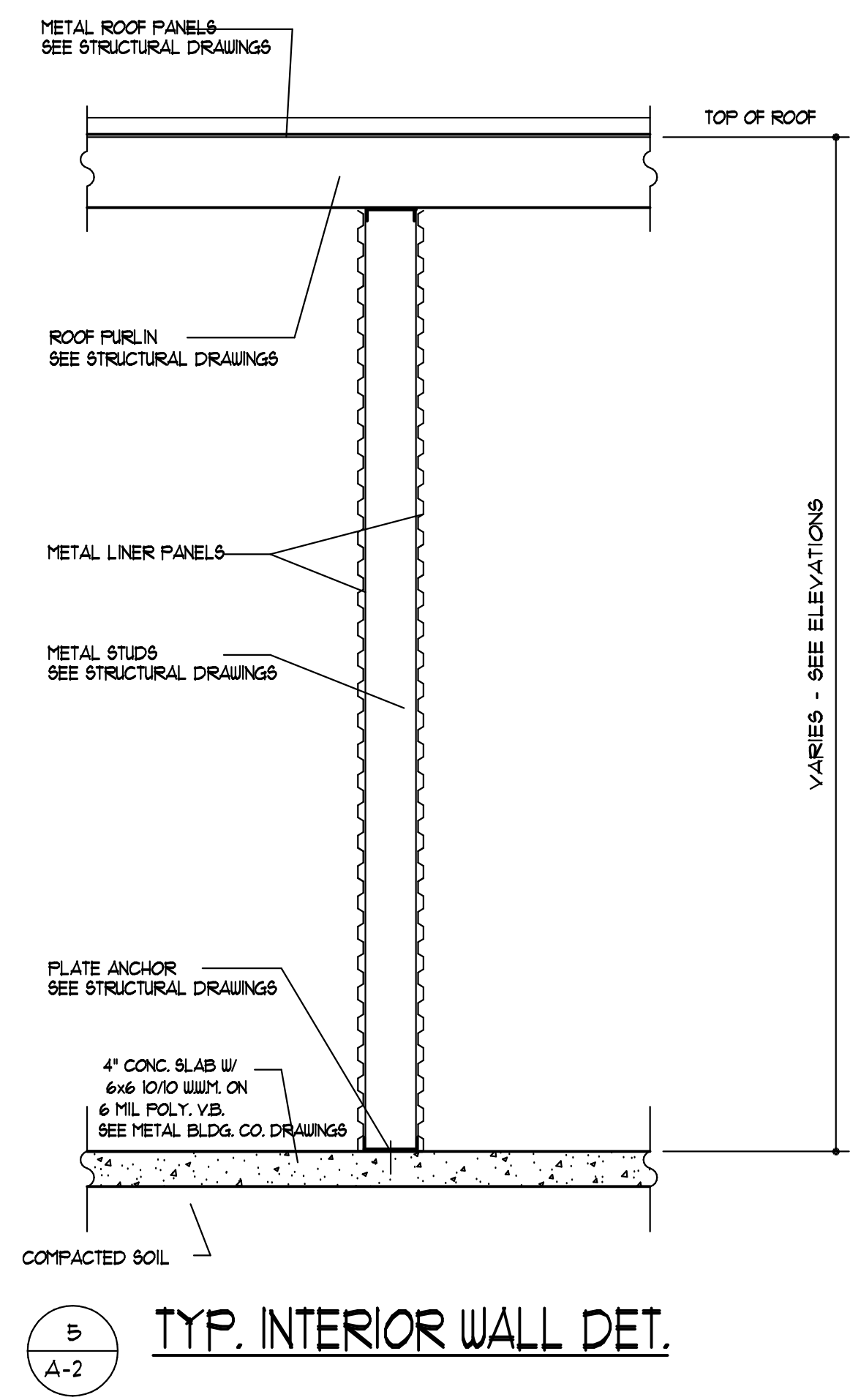
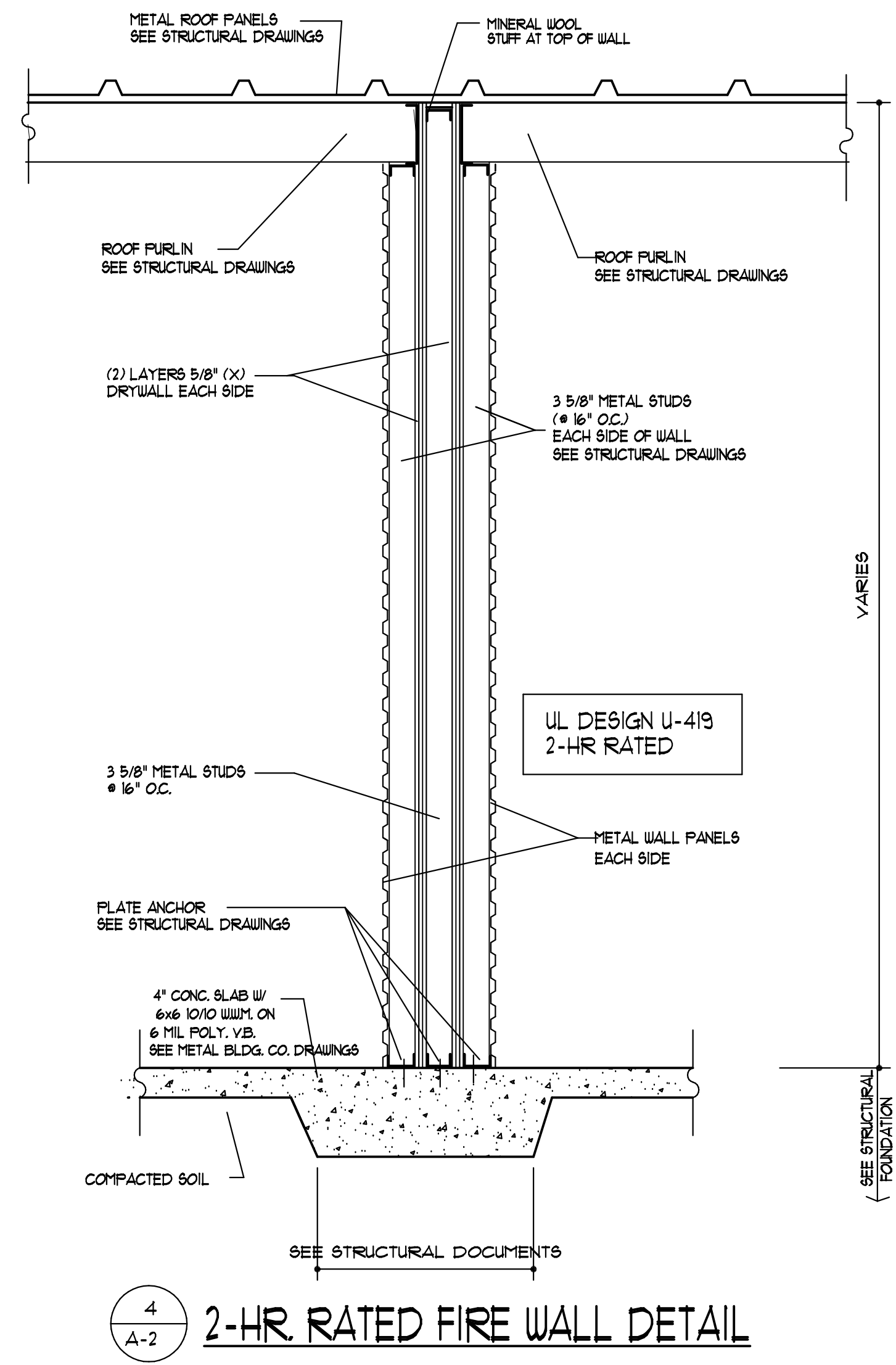
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NEW STORAGE FACILITY FOR BLDG. 'C'
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 SPOUT SPRINGS, NC



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 BLDG. 'C'

BUILDING 'J'

NEW STORAGE FACILITY FOR

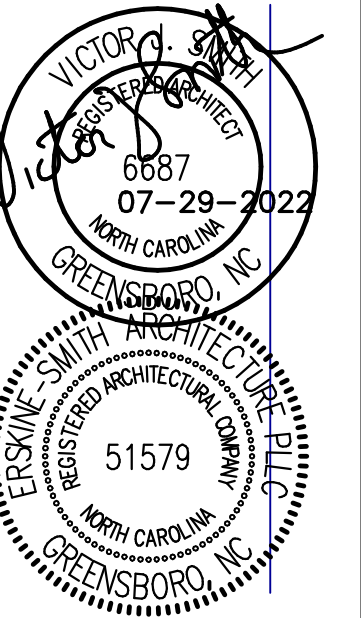
HARNETT SELF STORAGE

SPOUT SPRINGS, NC

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APPENDIX "B" BUILDING CODE SUMMARY

Name of project: BLDG. 'J' NEW FACILITY FOR HARNETT SELF STORAGE
 Address: _____ Zip Code: _____
 Owner or Authorized Agent: VC SMITH Phone: 336-855-1266 E-mail: erskinesmith@earthlink.net
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City SAITFORD County

CONTACT: Victor J. Smith
 DESIGNER: _____
 ARCHITECTURAL: ERSKINE-SMITH ARCHITECTURE, P.L.L.C. Victor J. Smith, 6687, 336-855-1266, erskinesmith@earthlink.net
 CIVIL: _____
 ELECTRICAL: _____
 FIRE ALARM: _____
 PLUMBING: _____
 MECHANICAL: _____
 SPRINKLER/STANDPIPE: _____
 STRUCTURAL: _____
 RETAINING WALLS >8' HIGH: _____
 OTHER: _____

2018 NC BUILDING CODE: New Building Addition Renovation
 1st Time Interior Completion
 Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
 Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE, EXISTING: Prescriptive Repair Chapter 14 Alterations
 Level I Level II
 Historic Property Change of Use

CONSTRUCTION (date): ORIGINAL OCCUPANCY (Ch. 3) RENOVATED (date): PROPOSED OCCUPANCY (Ch. 3) STORAGE
 RISK CATEGORY (Table 1604.3) Current: I II III IV Proposed: I II III IV

BASIC BUILDING DATA
 Construction Type: I-A I-B II-A II-B III-A III-B IV V-A V-B
 Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
 Standpipes: No Yes Class: I II III Wet Dry
 Fire District: No Yes Flood Hazard Area: No Yes
 Special Inspections Required: No YES (Contact the local inspection jurisdiction for additional procedures and requirements)
 Manual Fire Alarm System with Notification: No Yes

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
4th Floor			
3rd Floor			
2nd Floor			
Mezzanine	AREA 'A'	AREA 'B'	
1st Floor	6,540 sf	6,360 sf	
Basement			
TOTAL	6,540 sf	6,360 sf	13,500 sf TOTAL

Primary Occupancy Classification(s): A-1 A-2 A-3 A-4 A-5
 Assembly Business Educational Factory High Hazard Institutional Mercantile Residential Storage
 Utility and Miscellaneous

Accessory Occupancy Classification(s): NA
 Special Uses (Chapter 4 - List Code Sections): NA
 Special Provisions (Chapter 5 - List Code Sections): NA
 Mixed Occupancy: No Yes Separation: Hr. Exception: _____
 Non-separated use (508.3)
 The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction so determined shall apply to the entire building.
 Separated Mixed Occupancy (508.4) - See below for area calculations
 For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy E}}{\text{Allowable Area of Occupancy E}} \leq 1$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	(C) AREA PER FOOTPRINT INCREASE (%)	(D) ALLOWABLE AREA PER STORY (QUALIFIED ?)

(1) Frontage area increases from Section 506.2 are computed thus:
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
 b. Total Building Perimeter = _____ (P)
 c. Ratio (F/P) = _____ (R/P)
 d. W = Minimum width of public way = _____ (W)
 e. Percent of frontage increase = $(1 + 100 (R/P - 0.25)) \times W/30 = \text{_____ } \%$
 (2) Unlimited area applicable under conditions of Section 507
 (3) Maximum Building Area = total number of stories in the building x D (506.2)
 (4) The maximum area of open parking garages must comply with 406.5.4. The maximum area of air traffic control towers must comply with 403.3
 (5) Frontage increase is based on the unspinklered area value in Table 506.2

ALLOWABLE HEIGHT	Allowable		Code Reference
	Building Height in Feet (Table 504.3)	Building Height in Stories (Table 504.4)	
	55 FT.	12'	

NS = BUILDING NOT EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM

SPECIAL APPROVALS (Local Jurisdiction, Department of Insurance, OIG, DPI, DHH, ICC, etc., describe below)

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING PROVIDED	RATING REDUCTION	DETAIL AND SHEET #	DESIGN FOR RATED ASSEMBLY	DESIGN FOR RATED PENETRATION	DESIGN FOR RATED JOINTS
Structural Framing, including columns, girders, trusses		0					
Bearing walls							
Exterior							
NORTHWEST	6'-6"	0					
NORTHEAST	6'-6"	0					
SOUTHWEST WALL (ASSUMED PROPERTY LINE)	15'	0					
SOUTHWEST WALL	3'-6"	0					
Interior							
Nonbearing walls and partitions							
Exterior walls							
North	N/A	0					
East	N/A	0					
West	N/A	0					
South	N/A	0					
Interior walls & partitions							
Floor construction including supporting beams and joists		0					
Floor Ceiling Assembly		0					
Column Supporting Roof		0					
Roof construction including supporting beams and joists		0					
Floor Ceiling Assembly		0					
Column Supporting Roof	N/A						
Shells Enclosures - Exit	N/A						
Shells Enclosures - Others	N/A						
Corridor Separation	N/A						
Occupancy/Fire Barrier Separation	N/A						
Party Wall Separation	2-hr	2-hr	U-419	3/A-3			
Smoke Barrier Separation	N/A						
Tenant / Dwelling Unit / Sleeping Unit Separation	N/A						
Incidental Use Separation	N/A						

PERCENTAGE OF WALL OPENINGS CALCULATION

Fire Separation Distance (feet) (See Property Line)	Degree of Opening Protection (Table 1008.6)	Allowable Area	Actual Shown on Plan (%)
NORTH ASSUMED PROPERTY LINE 35'	UNPROTECTED, NONSPRINKLERED	NO LIMIT PER TABLE 705.8.1 ex. 2	51%
WEST ASSUMED PROPERTY LINE 15'	UNPROTECTED, NONSPRINKLERED	NO LIMIT PER TABLE 705.8.1 ex. 2	47%
SOUTH ASSUMED PROPERTY LINE 25'	UNPROTECTED, NONSPRINKLERED	NO LIMIT PER TABLE 705.8.1 ex. 2	0
EAST 122'	UNPROTECTED, NONSPRINKLERED	NO LIMIT PER TABLE 705.8.1 ex. 2	0

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet - COVER SHEET
 Fire and/or smoke rated wall locations (Chapter 7)
 Assumed and real property line locations (if not on site plan)
 Exterior wall opening areas with respect to distance to assumed property lines (1008.6)
 Occupancy use for each area as it relates to occupancy load calculation (Table 1004.1.2)
 Occupant loads for each area
 Exit access travel distance (1017)
 Common path of travel distance (Table 1006.2.1 & 1006.3.2(1))
 Actual occupant load for each exit door
 A separate schematic plan indicating where fire rated floor ceiling and/or roof structure is provided for purposes of occupancy separation
 Location of doors with panic hardware (1010.10)
 Location of doors with delayed egress locks and the amount of delay (1010.1.1.7)
 Location of doors with electromagnetic egress locks (1010.13.3)
 Location for doors equipped with hold-open devices
 Location of emergency escape windows (1020)
 The square footage of each fire area (C22)
 The square footage of each smoke compartment for Occupancy Classification 1-2 (401B)
 Note any code exceptions or table notes that may have been utilized regarding the items above

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE 'A' UNITS REQUIRED	TYPE 'A' UNITS PROVIDED	TYPE 'B' UNITS REQUIRED	TYPE 'B' UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

LOT OR PARKING AREAS	TOTAL # OF PARKING SPACES REQUIRED	PROVIDED	* OF ACCESSIBLE SPACES PROVIDED	TOTAL NO. ACCESSIBLE

USE	WATER CLOSETS				LAVATORIES				SHOWERS		DRINKING FOUNTAINS	
	MALE	FEMALE	UNSEX	TUBS	MALE	FEMALE	UNSEX	TUBS	REGULAR	ACCESSIBLE	REGULAR	ACCESSIBLE
OUTSIDE												
INDSIDE												

Special approval: (Local Jurisdiction, Department of Insurance, OIG, DPI, DHH, ICC, etc., describe below)

ENERGY REQUIREMENTS

The following data shall be considered minimum and any special attributes required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost standard reference design vs annual energy cost for the proposed design.

Climate Zone 3 4 5
 Method of Compliance: Prescriptive (Energy Code) Performance (Energy Code) Prescriptive (ASHRAE 90.1) Performance (ASHRAE 90.1)

THERMAL ENVELOPE

Roof/Ceiling Assembly (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 U-Value of insulation: _____
 Skylights in each assembly: _____
 U-Value of skylight: _____
 total square footage of skylights in each assembly: _____
 Exterior Walls (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 U-Value of insulation: _____
 Openings (glazing) _____
 Description of assembly: _____
 U-Value of total assembly: _____
 U-Value of insulation: _____
 Door R-Values: _____
 Walls below grade (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 R-Value of insulation: _____
 Floors over unconditioned space (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 R-Value of insulation: _____
 Floors slab on grade
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Horizontal/vertical requirement: _____
 slab rested: _____

STRUCTURAL DESIGN

DESIGN LOADS:
 Importance Factors: Snow (Is) _____
 Seismic (Is) _____
 Live Loads: Roof _____ psf
 Mezzanine _____ psf
 Floor _____ psf
 Ground Snow Load: _____ psf
 Wind Loads: Ultimate Wind Speed _____ (ASCE-7)
 Exposure Category _____

SEISMIC DESIGN CATEGORY

Provide the following Seismic Design Parameters:
 Risk Category (Table 1604.5) I II III IV
 Spectral Response Acceleration S_{DS} _____ g
 Site Classification (Table 1601.4) A B C D E F
 Basic structural analysis (check one)
 Analytical (check one) Field Test Presumptive Historical Data
 Moment Resisting Frame (check one)
 Moment Resisting Frame (Upper Walls) Dual w/ Intermediate R/C or Special Steel
 Moment Resisting Frame (Lower Walls) Dual w/ Intermediate R/C or Special Steel
 Analytical Procedure: Simplified Equivalent Lateral Force Dynamic
 Architectural, Mechanical, components anchored: Yes No

LATERAL DESIGN CONTROL

Earthquake (Lower Level - Bldg. A & B)
 Wind (Upper Level - Bldg. A & B and C & D)

SOIL BEARING CAPACITIES

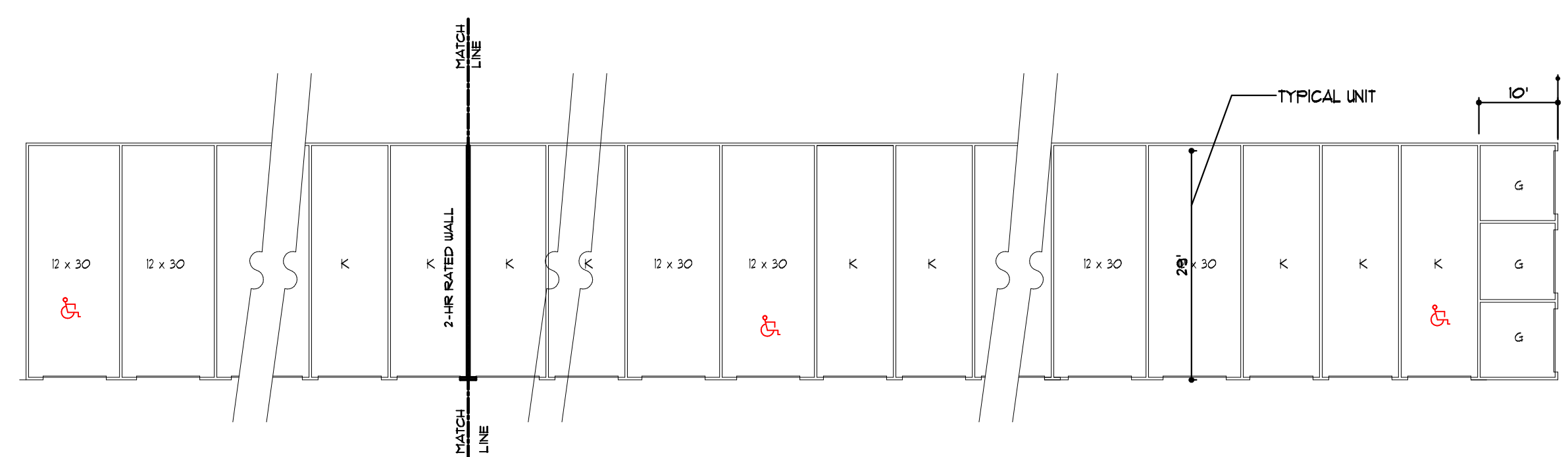
Field Test (provide copy of test report) _____ psf
 File size, type, and capacity _____

SIZE	MARK	BUILDING TYPE				TOTAL	ACCESSIBLE UNITS
		A	B	C	J		
5'x5'	A	4	-	-	-	66	BLDG. A
5'x10'	B	13	6	8	-	81	
10'x10'	G	105	-	-	-	51	BLDG. A
10'x15'	H	24	52	-	-	183	
10'x20'	I	16	-	60	-	88	BLDG. J
10'x30'	K	-	-	-	26	44	
12'x30'	Z	-	-	-	15	30	
TOTAL		162	58	68	44	332	

UNIT CALCULATIONS

CODE REQUIREMENTS	PERCENTAGE	# OF UNITS	# OF ADA UNITS REQ.
5% OF THE FIRST 200 UNITS	5%	200	10
2% OF REMAINING UNITS	2%	132	2.4
TOTAL		332	3

NOTE: ALL ACCESSIBLE STORAGE UNIT DOORS SHALL HAVE A MAX. 5 LB. FULL



LIFE SAFETY & OCCUPANCY PLAN

1/16" = 1'-0"

OCCUPANCY STORAGE
 13,500 SF / 500 = 27

NOTE:
 ADA UNITS WILL INCLUDE AN ELECTRIC DOOR LIFT OPERATOR WITH BATTERY BACKUP, PHOTO EYES, EMERGENCY RELEASE AND KEYPAD FOR OPERATION. KEYPAD WILL BE MOUNTED WITHIN ACCESSIBLE REACH RANGES PER ANSI 308. MANUFACTURER: LIFTMASTER 8850U OR EQUAL
 HORIZONTAL SLIDING DOORS SHALL COMPLY WITH SECTION 1010.1.4.3 OF NCBC. ELECTRICAL TO BE COORDINATED.
 OCCUPANT DISPERSAL FROM EXITS TO PUBLIC ROAD SHOWN ON SITE PLAN

NEW STORAGE FACILITY FOR BLDG. 'J'
HARNETT SELF STORAGE
 SPOUT SPRINGS, NC

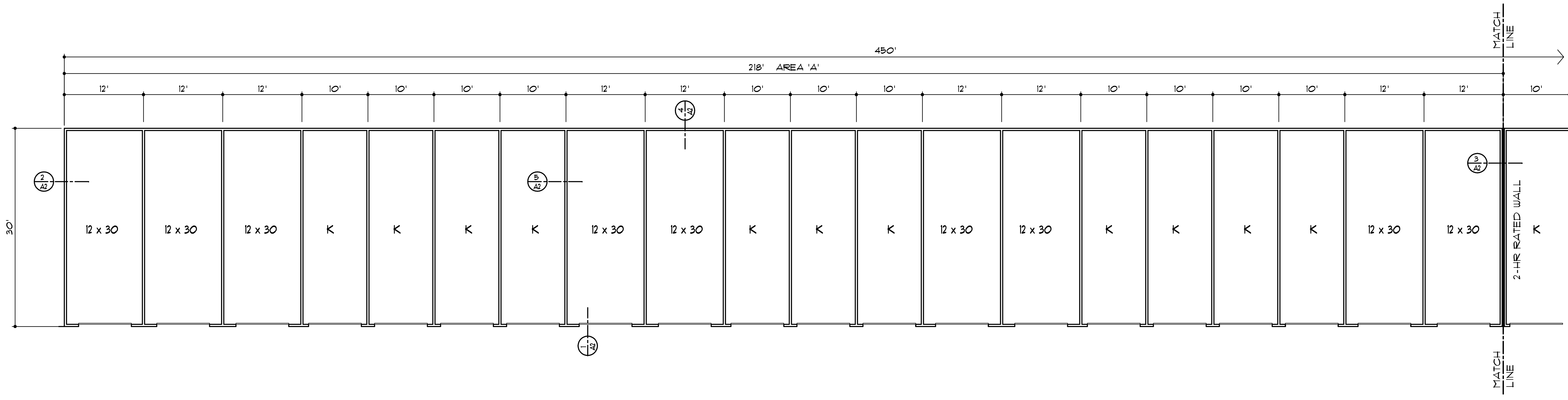
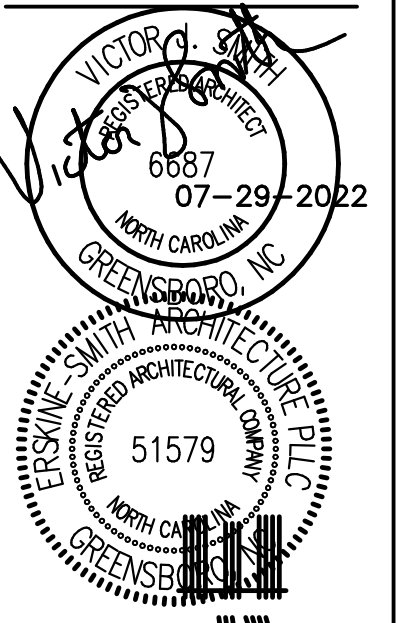
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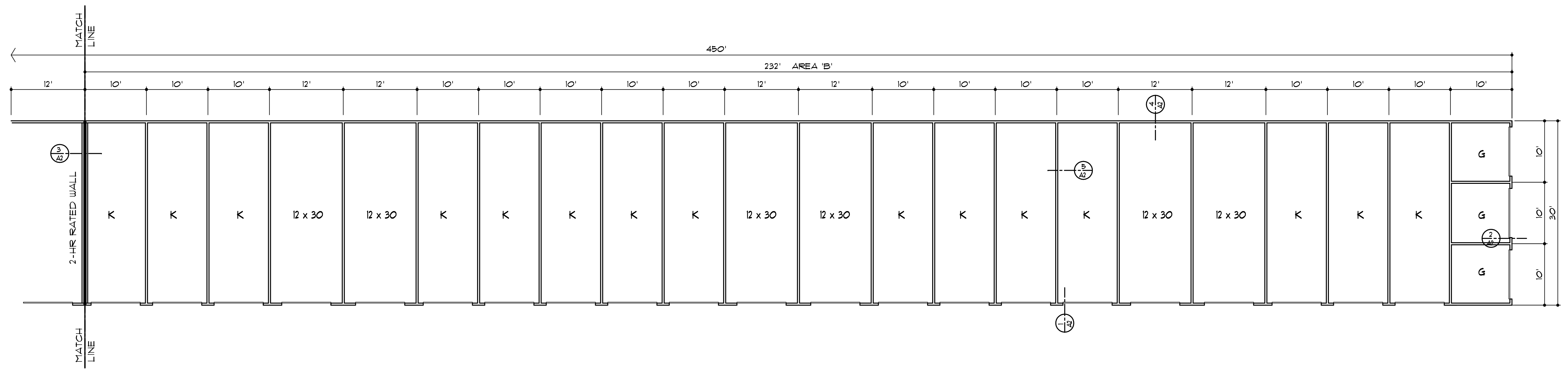
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 Greensboro, N.C. 27407
 Phone (336) 855-1286 Fax 855-5602



PARTIAL FLOOR PLAN
 1/8" = 1'-0"



PARTIAL FLOOR PLAN
 1/8" = 1'-0"

BLDG. J 13,500 sf

**NEW STORAGE FACILITY FOR
 HARNETT SELF STORAGE
 SPOUT SPRINGS, NC**

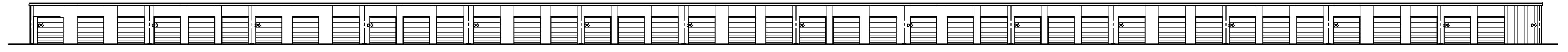
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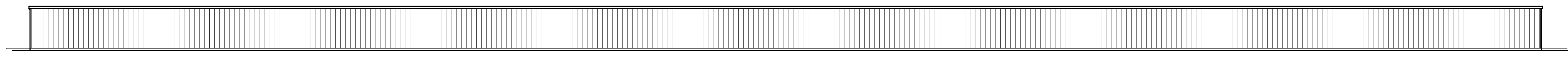
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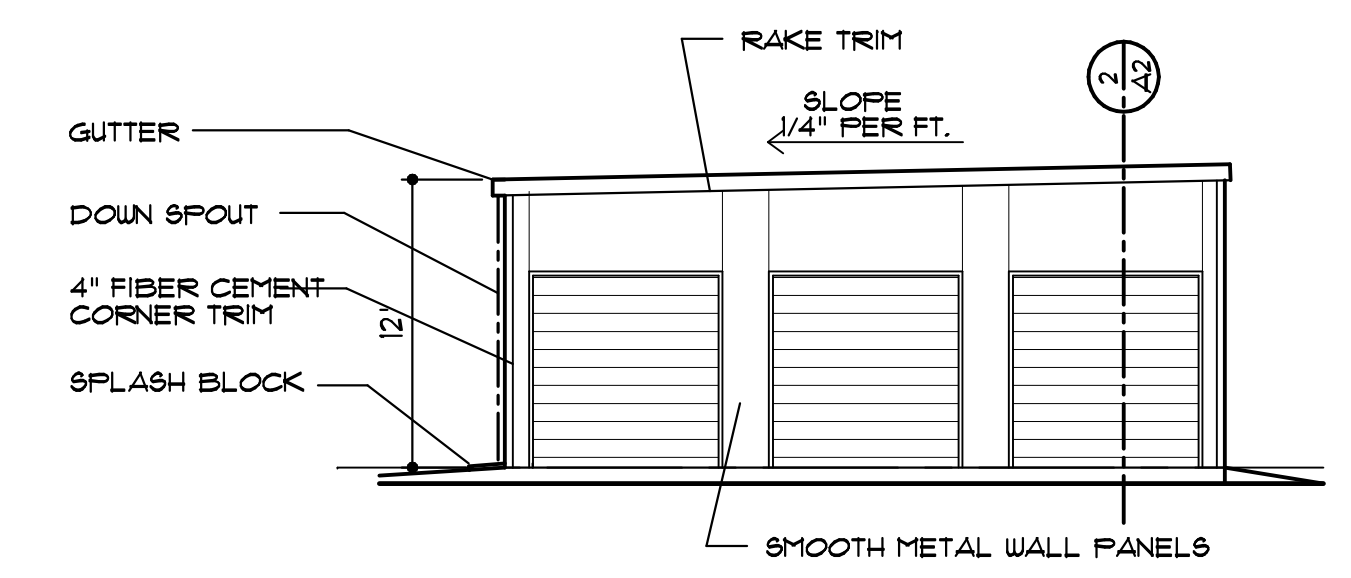
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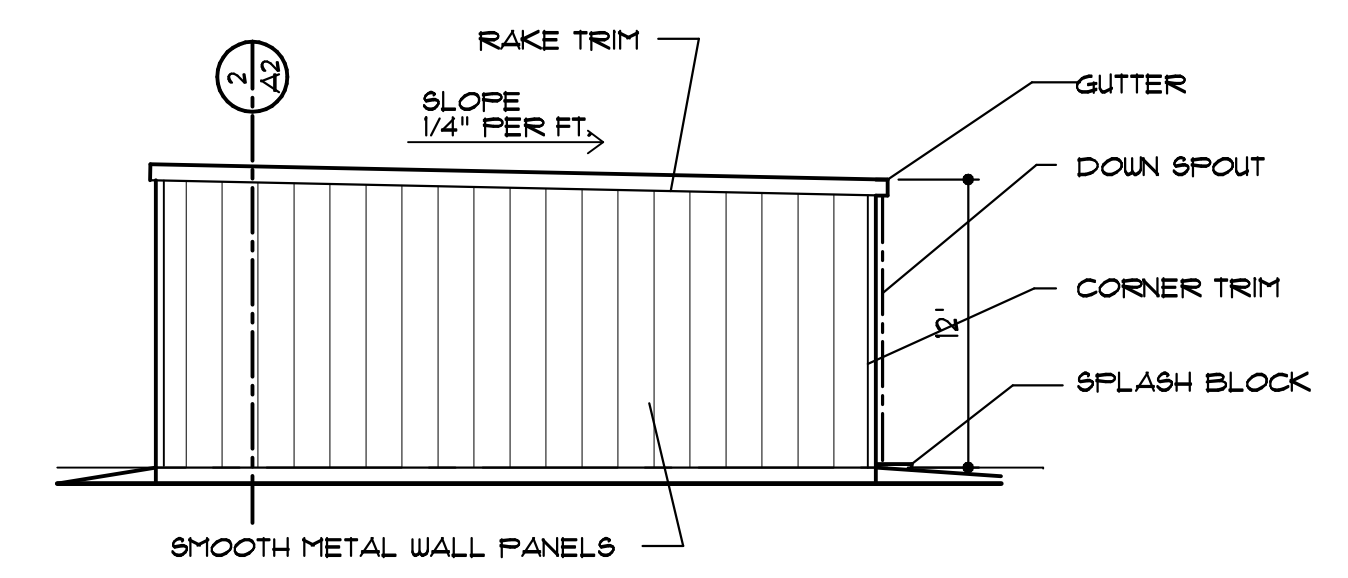
NORTH ELEVATION
 1/16" = 1'-0"



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



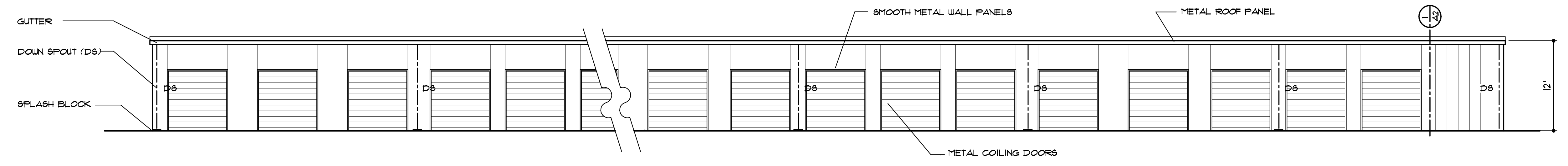
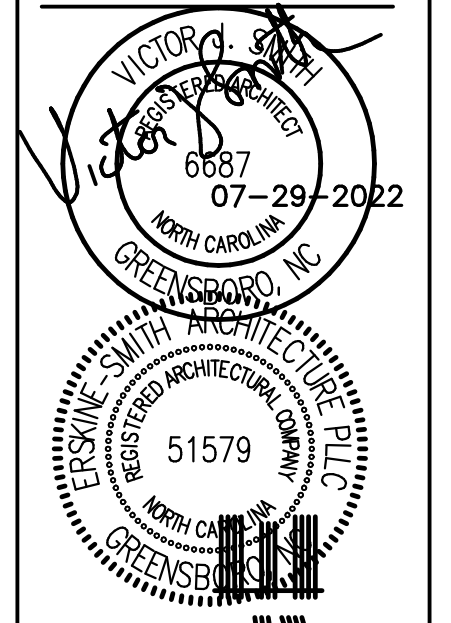
WEST ELEVATION
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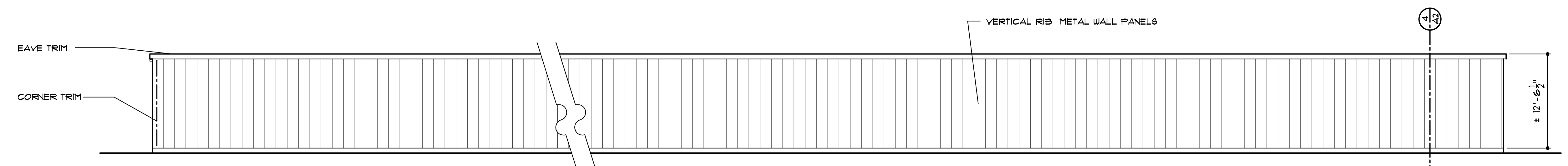
EAST ELEVATION
 1/8" = 1'-0"

ALL RAIN LEADER TO HAVE SPLASH BLOCKS

DOWN SPOUTS & GUTTERS
 ROOF AREA = 13,500 SF
 GUTTER LENGTH = 450'LF
 GUTTER SIZE = 5" w x 4" d
 # DOWN SPOUT (3" x 4") = 16
 AREA PER DOWN SPOUT = 844 sf



PARTIAL NORTH ELEVATION
 1/8" = 1'-0"



PARTIAL SOUTH ELEVATION
 1/8" = 1'-0"

NEW STORAGE FACILITY FOR HARNETT SELF STORAGE
 SPOUT SPRINGS, NC

REVISIONS	BY

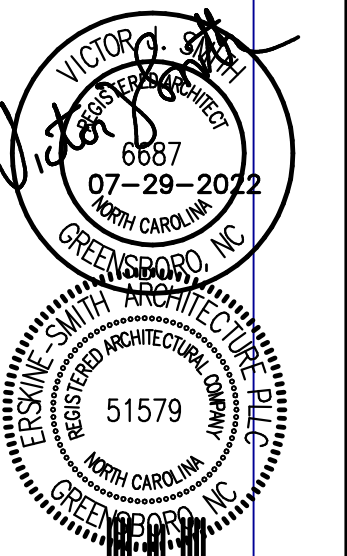
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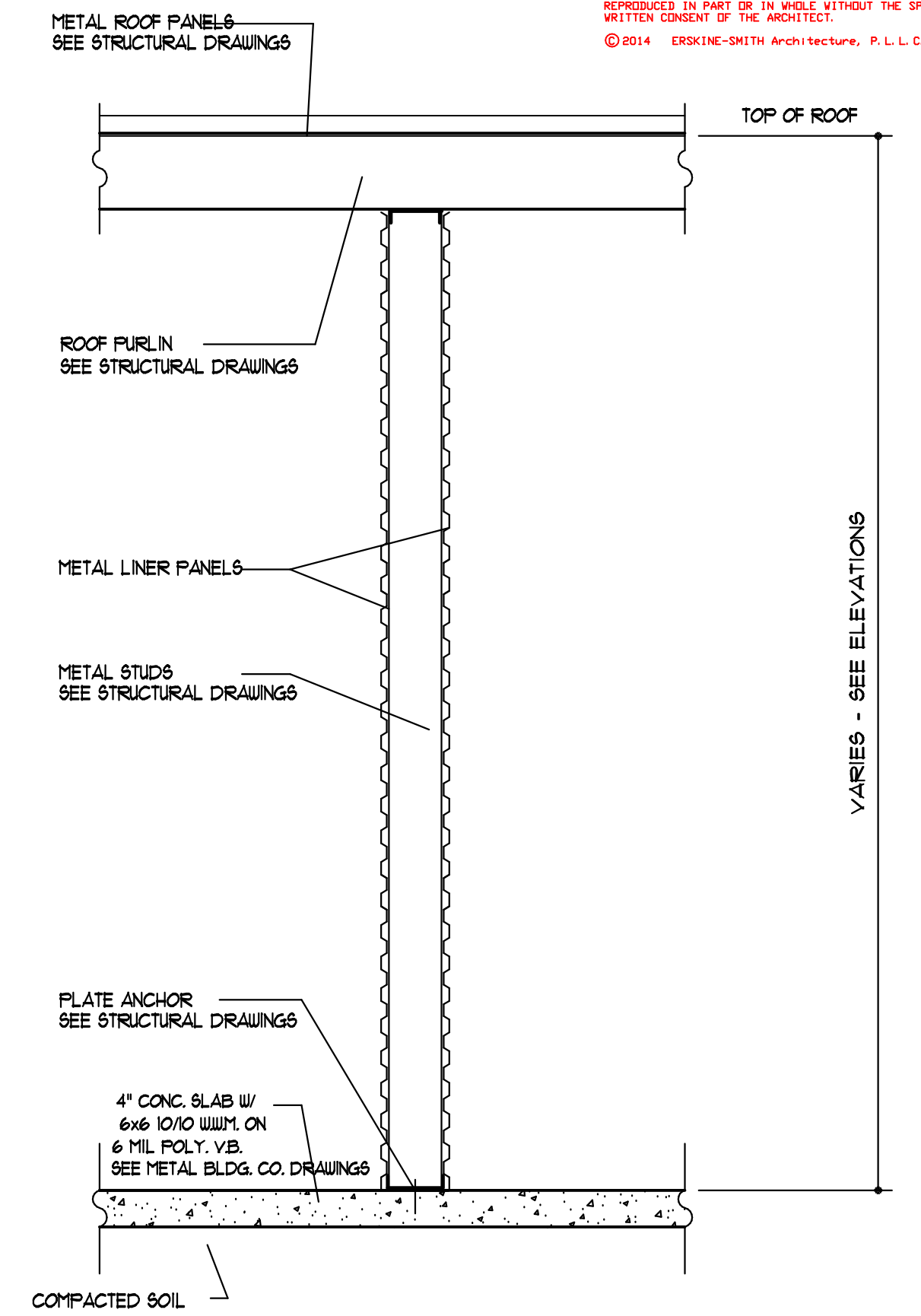
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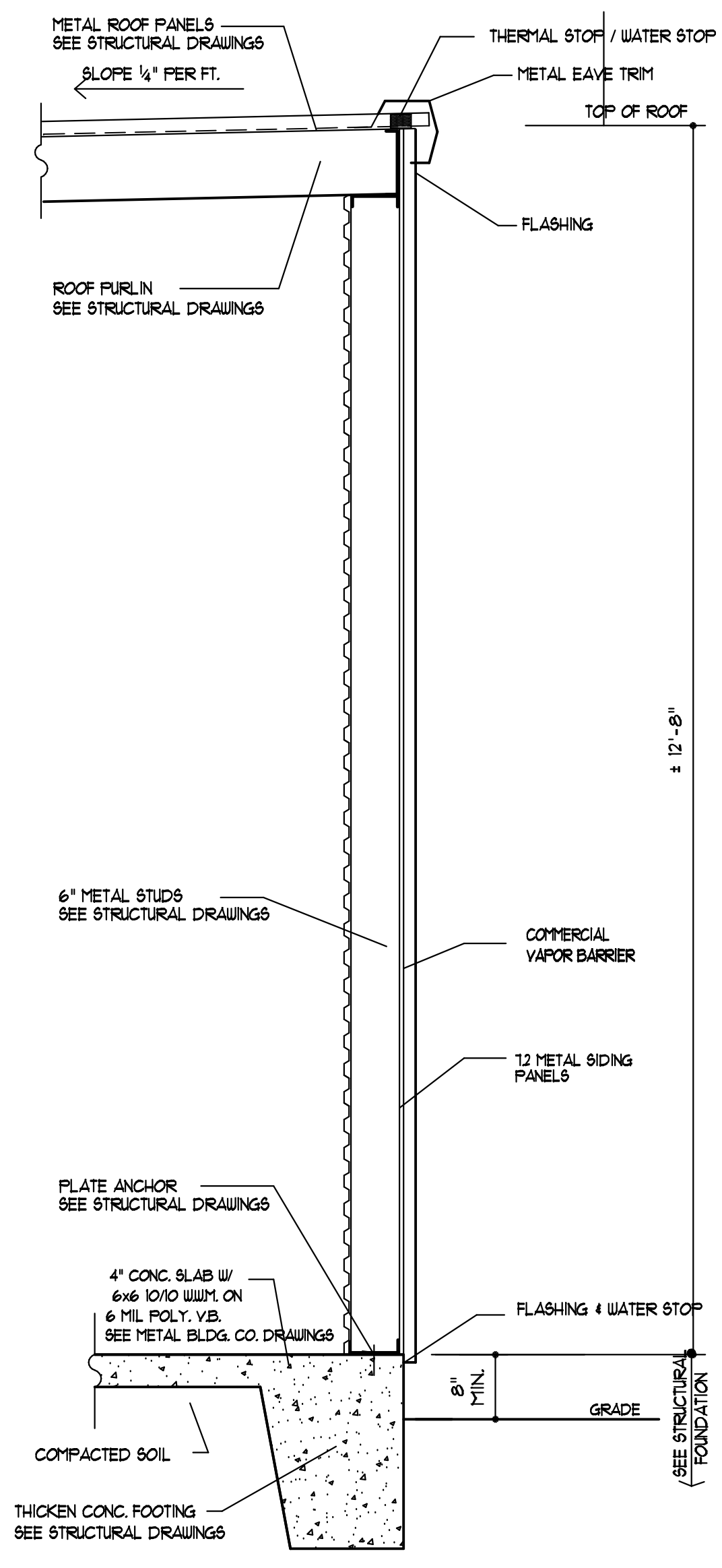
NEW STORAGE FACILITY FOR HARNETT SELF STORAGE SPOUT SPRINGS, NC

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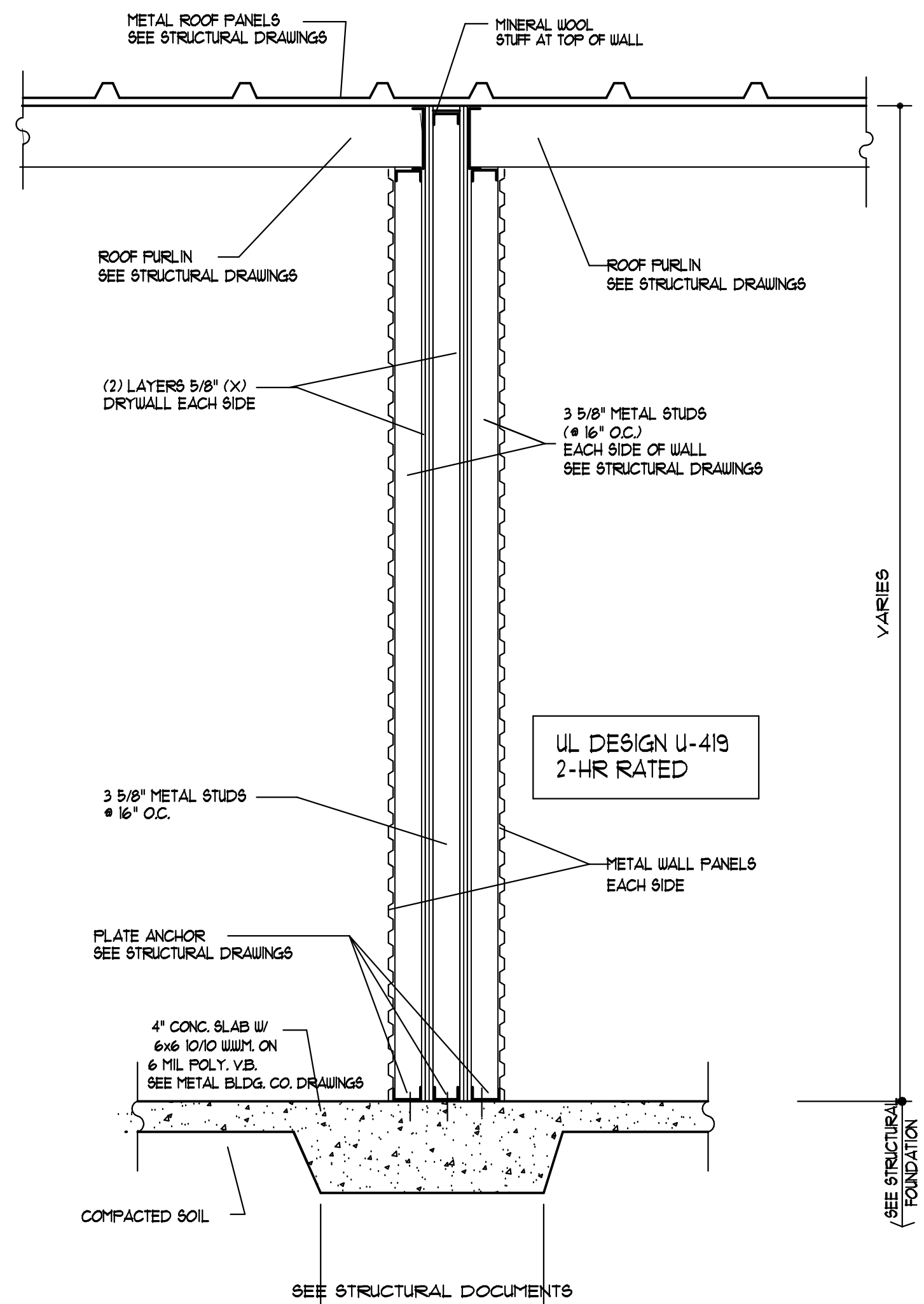
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 BLDG. 'J'



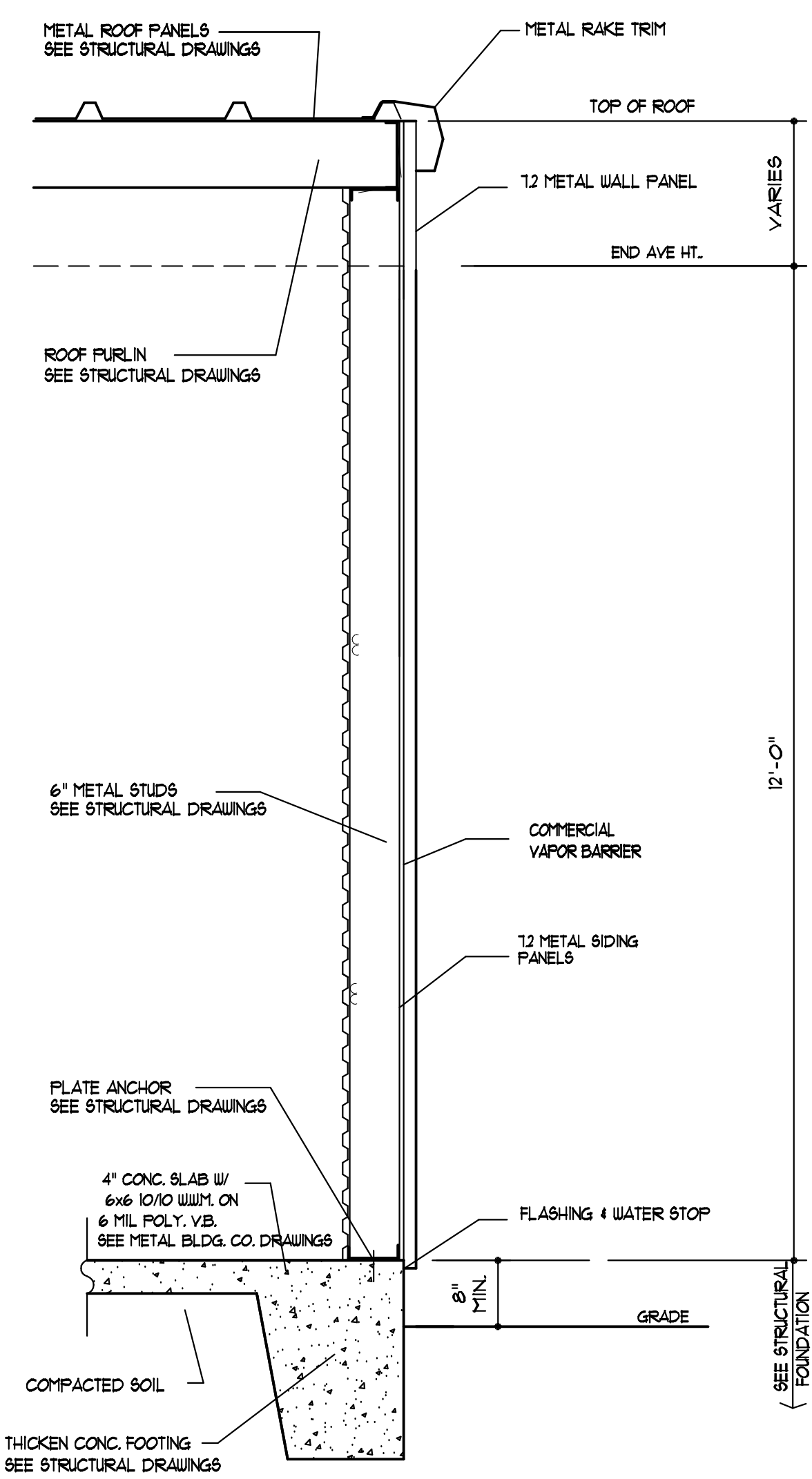
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 A-3 **TYP. INTERIOR WALL DET.**



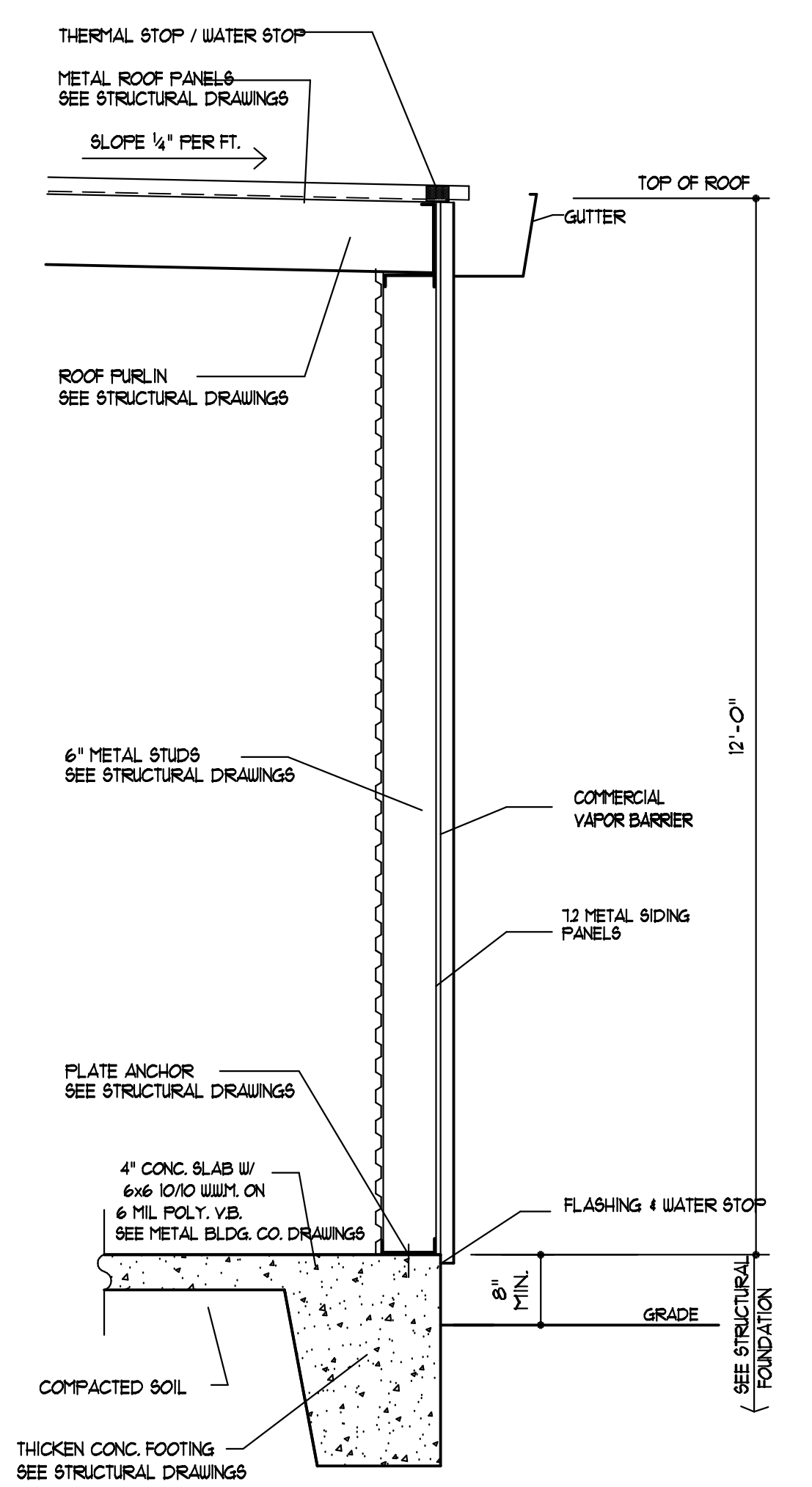
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 A-3 **TYP. EXTERIOR WALL DET.**



3
 A-3 **2-HR. RATED FIRE WALL DETAIL**



2
 A-3 **TYP. EXTERIOR END WALL DET.**



1
 A-3 **TYP. EXTERIOR WALL DET.**

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NOTE:
 STRUCTURAL ENGINEER'S DESIGN
 & DETAILS SHALL OVERRIDE
 ARCHITECTURAL DETAILS