

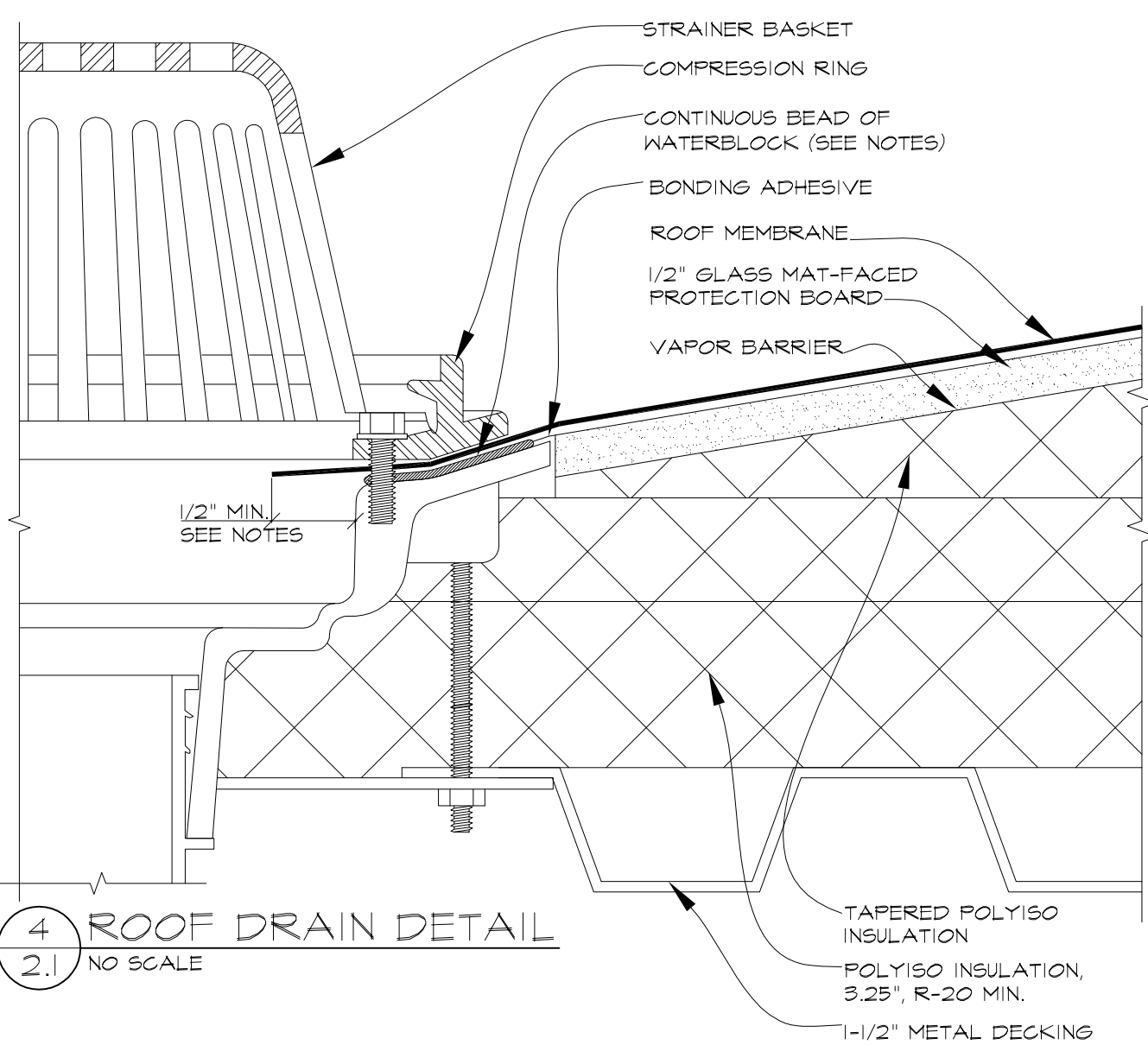
Grand Island, Nebraska 68803

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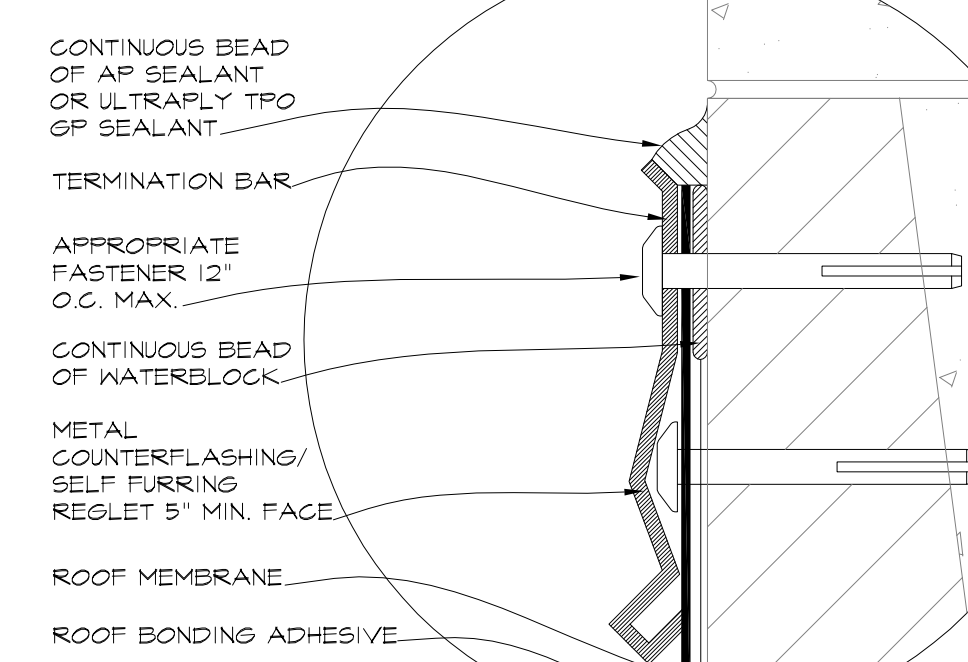
MEMBRANE SLOPE LIMITS:
A) MAXIMUM SLOPE FOR MAX MEMBRANE SHALL BE 2" PER 12" REFER TO DETAIL D-4 WHEN SLOPE EXCEEDS LIMITATIONS.
B) MAXIMUM SLOPE FOR STANDARD MEMBRANE SHALL BE 6" PER 12"
C) MINIMUM SLOPE OF 1/4" PER 12".

SUMP AREA FIELD SEAM REQUIREMENTS:
IF FIELD SEAM EDGE IS WITHIN 8" OF DRAIN COMPRESSION RING, TARGET PATCH REQUIRED. IF FIELD SEAM EDGE IS WITHIN 8" TO 18" OF DRAIN COMPRESSION RING, INSTALL A LAYER OF 5" QUICKSEAM FLASHING CENTERED OVER SEAM EDGE. 5" QUICKSEAM FLASHING MUST EXTEND 5" MIN. BEYOND EDGE OF SUMP.

NOTES:
1) HOLE IN MEMBRANE SHOULD EXTEND A MINIMUM OF 1/2" BEYOND CLAMPING RING AND SHOULD NOT BE SMALLER THAN THE DIAMETER OF THE LEADER PIPE.
2) INSULATION ADJACENT TO DRAIN TO BE APPROPRIATE INSULATION WITH APPROPRIATE BONDING SURFACE.
3) WATERBLOCK MIN. OF 1/2" OF 10 OZ. TUBE PER 4" DRAIN. USE ADDITIONAL WATERBLOCK FOR LARGER DRAINS.

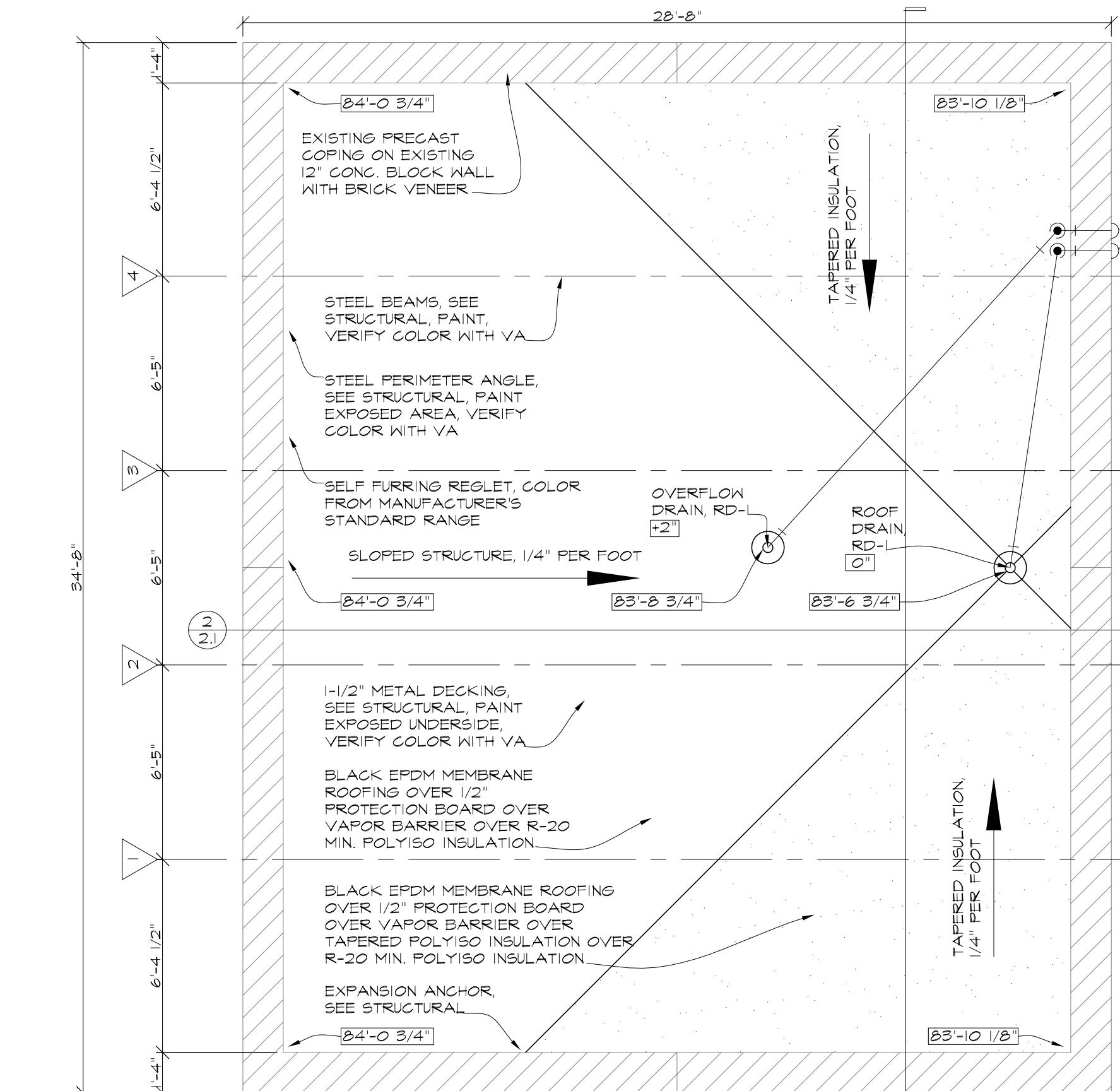


4 ROOF DRAIN DETAIL
2) NO SCALE



NOTES:
1) WATER BLOCK APPLIED AT THE RATE OF 10 LINEAR FEET PER TUBE.
2) REGULAR MAINTENANCE OF COUNTERFLASHING AND SEALANTS REQUIRED.
3) METAL COUNTERFLASHING SHALL BE .032" MIN. ALUMINUM FORMED WITH HEMMED LOWER EDGE.
4) INSTALL TERMINATION BAR WITH 1/4" GAP BETWEEN ADJOINING SECTIONS. TERMINATION BAR MUST BE CUT.
5) AT INSIDE AND OUTSIDE. DO NOT BEND AROUND CORNERS.
6) TERMINATION BAR MUST BE FASTENED WITHIN 1" MAX. OF ALL SECTION ENDS.
7) INSTALL METAL WORK IN ACCORDANCE WITH CURRENT SMAGNA RECOMMENDATIONS.

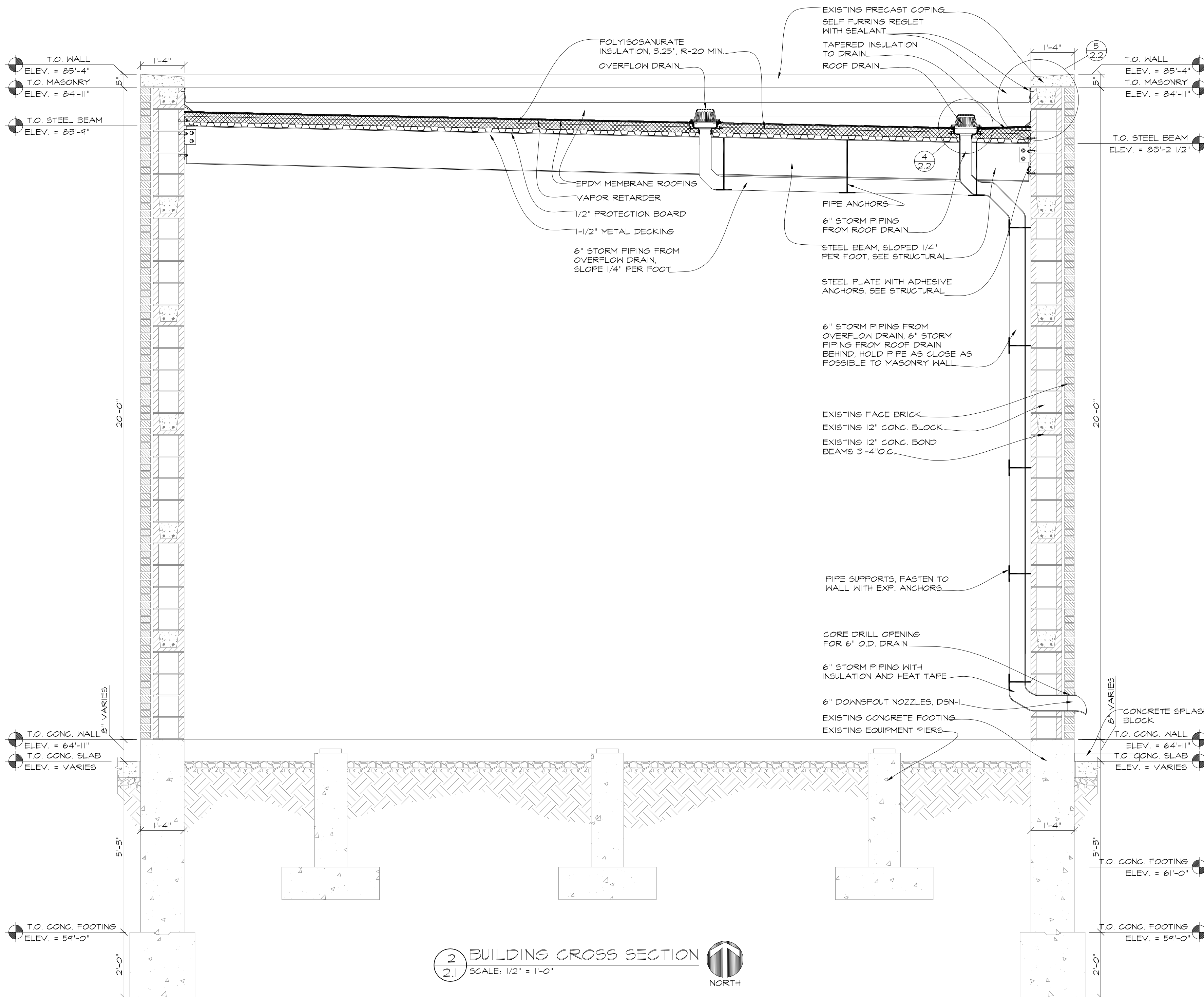
5 COUNTER FLASHING/ REGLET DETAIL
2) SCALE: 3" = 1'-0"



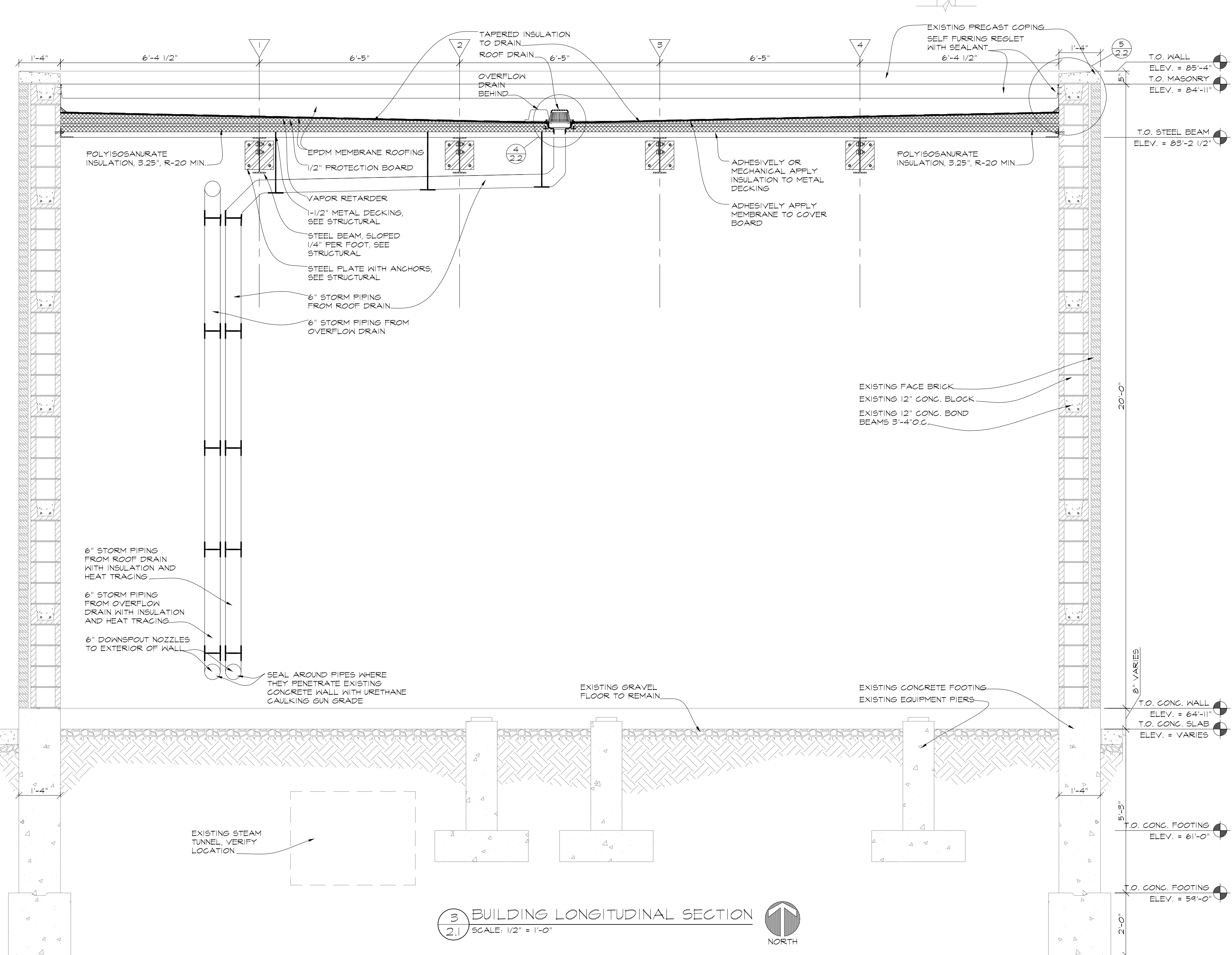
1 ROOF PLAN
2) SCALE: 1/4" = 1'-0"

STORM DRAINAGE NOTES:

- 6" STORM PIPING FROM ROOF DRAIN TO 6" DSN-1 PATCH AND SEAL WALL TO MATCH FINISH.
- INSTALL HEAT TAPE ON ALL HORIZONTAL AND VERTICAL STORM PIPING. PROVIDE HEAT TRACING PROTECTION FOR ALL DRAIN LINES. HEAT TRACING SHALL BE APPLIED WITHIN THE PIPE INSULATION AND BE SIZED TO PREVENT PIPES FROM FREEZING. THE HEAT TAPE SHALL BE CHROMALOX OR EQUAL SRL SELF-REGULATING LOW TEMPERATURE TAPE WITH A 120 VOLT, 50 WATTS PER SQUARE FOOT RATING. PROVIDE A POWER CONNECTION BOX WITH REMOTE BULB AND CAPILLARY THERMOSTAT SET AT 40 DEGREES FAHRENHEIT. LOCATE THERMOSTAT ON INTERIOR SIDE OF CMU WALL NEAR ENTRANCE DOOR.
- ROOF DRAIN AND OVERFLOW DRAIN RD-1: CAST IRON ROOF DRAIN WITH DUGO CAST IRON BODY, COMBINED FLASHING GLAMP RING WITH INTEGRAL GRAVEL STOP, LARGE SUMP RECEIVER WITH WIDE ROOF FLANGE AND BOTTOM OUTLET DECK ROOF ASSEMBLY, AND LARGE LOW PROFILE CAST IRON DOME. J.R. SMITH 10-CID-R-C OR APPROVED EQUAL.
- DSN-1 DOWNSPOUT NOZZLE: NICKEL BRONZE DOWNSPOUT NOZZLE WITH NO-HUB INLET, BIRD SCREEN, AND FLANGE TO SECURE NOZZLE TO WALL. J.R. SMITH 1110-2646-NB-B5 OR APPROVED EQUAL.



2 BUILDING CROSS SECTION
2) SCALE: 1/2" = 1'-0"

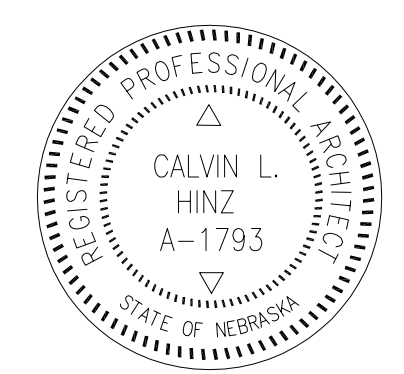


3 BUILDING LONGITUDINAL SECTION
2) SCALE: 1/2" = 1'-0"

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IMPORTANT CONTRACTOR'S NOTE

- ALL CONTRACTORS ARE RESPONSIBLE FOR REVIEWING ENTIRE SET OF DOCUMENTS TO DETERMINE THEIR FULL SCOPE OF WORK. CONTRACTOR SHALL NOT BE ALLOWED EXTRA COSTS DUE TO FAILURE TO REVIEW ENTIRE SET OF DOCUMENTS.
- ANY USE OF THESE ELECTRONIC DRAWINGS OR SCALING OF THE PRINTED DOCUMENTS ARE DONE SO AT THE CONTRACTORS RISK.
- WORK UNDER THIS CONTRACT TO BE PERFORMED BETWEEN 6PM AND 6AM, UNLESS OTHER AUTHORIZATION IS GIVEN.



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-ROOF PLAN
-BUILDING SECTIONS
-STORM DRAINAGE NOTES

VA ROOFING REPAIRS- GRAND ISLAND
636-11-17

Construction Documents (CD-3)
Final Submittal (100%)

Project Number: 636-11-17		
Building Number: ONE		
VAMC Grand Island, NE		
Date	Checked by	Drawn by
SEPTEMBER 22, 2011	CLH	RB
Drawing Number:		A2.1
Dwg. 2 of 3		

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

A

B

C

D

E

F

A

B

C

D

E

F

three inches = one foot
6"

one and one half inches = one foot
6"

one inch = one foot
6"

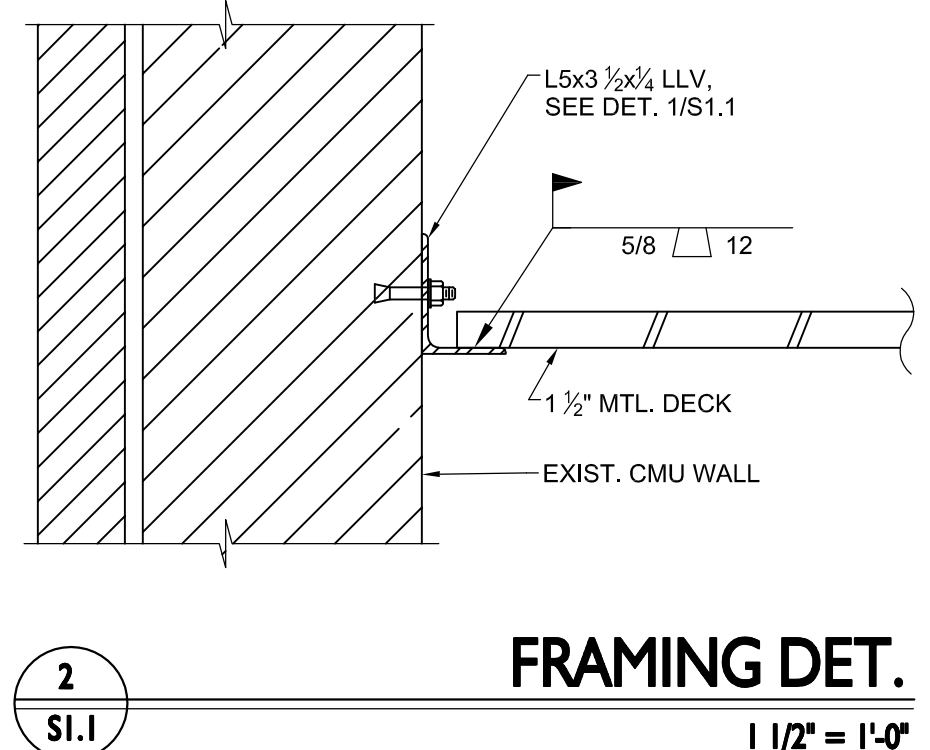
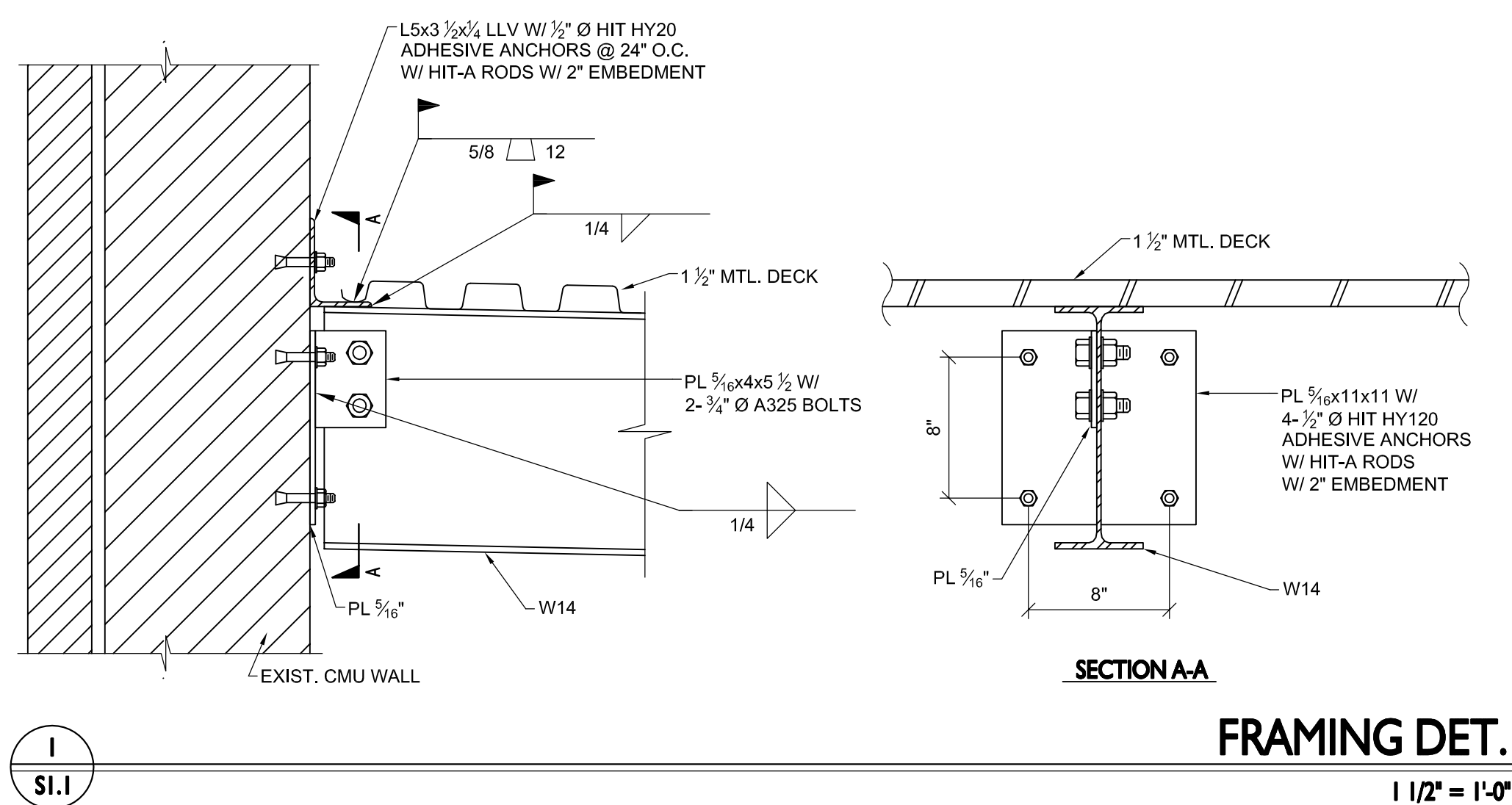
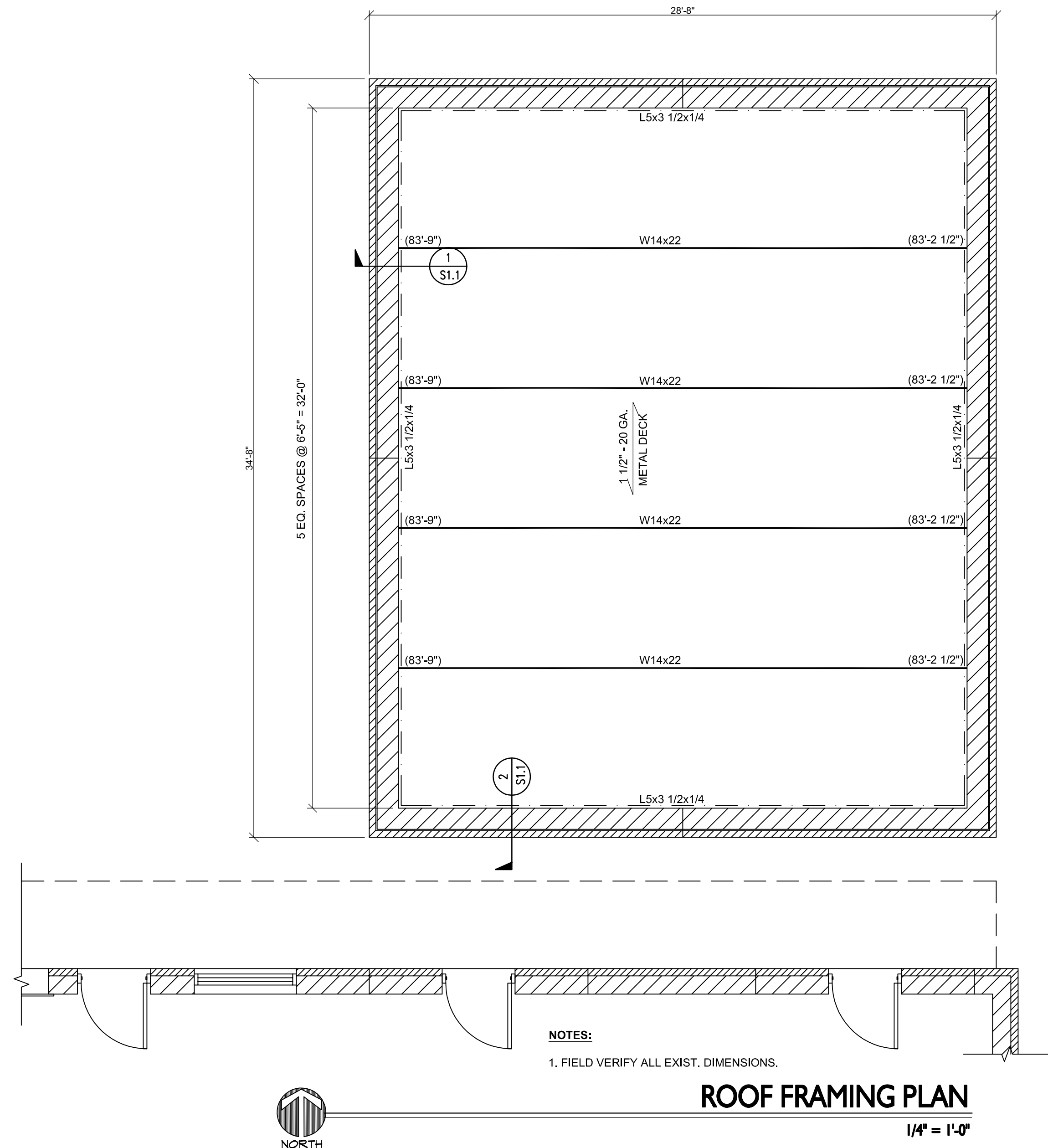
three quarters inch = one foot
6"

one half inch = one foot
6"

three eighths inch = one foot
6"

one quarter inch = one foot
6"

one eighth inch = one foot
6"



- GENERAL STRUCTURAL NOTES
- DESIGN CRITERIA:
- DESIGN CODE: 2009 IBC
- SNOW LOAD:
GROUND SNOW LOAD Pg = 30 PSF
EXPOSURE FACTOR Ce = 1.0
IMPORTANCE FACTOR I = 1.0
RAIN ON SNOW (SLOPE <=1/2:12) = 5 PSF
- WIND LOAD:
BASIC WIND SPEED V = 90 MPH
EXPOSURE CATEGORY C
IMPORTANCE FACTOR I = 1.0
- SEISMIC LOAD:
Ss = 0.125
S1 = 0.041
IMPORTANCE FACTOR I = 1.0
SOIL PROFILE TYPE = SD
- GENERAL PROJECT NOTES
1. ALL DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION OR CONSTRUCTION.
2. THE ARCHITECT SHALL BE NOTIFIED IN WRITING OF ANY EXISTING CONDITIONS WHICH DIFFER FROM THOSE SHOWN ON THE CONTRACT DOCUMENTS.
3. THE ENGINEER WILL NOT ACCEPT SHOP DRAWINGS WITHOUT FIRST BEING REVIEWED AND SIGNED BY THE CONTRACTOR. ALL CHANGES SHALL BE FLAGGED AND NOTED AS DEVIATING FROM THE CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING BUILDING DURING THE EXECUTION OF THE CONTRACT.
5. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE SHORING AND BRACING TO PROTECT THE EXISTING STRUCTURE AND UNFINISHED NEW CONSTRUCTION.
- SPECIAL INSPECTIONS:
1. PROVIDE SPECIAL INSPECTIONS AS REQUIRED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE FOR THE FOLLOWING: STRUCTURAL WELDING AND HIGH STRENGTH BOLTING.
2. PROVIDE THE SPECIAL INSPECTOR 48 HOURS PRIOR NOTICE FOR THE SPECIAL INSPECTIONS.
- STRUCTURAL STEEL:
1. STRUCTURAL STEEL SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL BUILDINGS" AND THE "CODE OF STANDARD PRACTICE", LATEST EDITIONS.
2. ALL WIDE FLANGES SHALL BE ASTM A992, GRADE 50, UNLESS NOTED OTHERWISE. CHANNELS, ANGLES AND PLATE MATERIAL SHALL BE ASTM A36.
3. ALL STRUCTURAL STEEL BOLTS SHALL BE 3/4" DIAMETER ASTM A325N.
4. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS D.1.1, LATEST EDITION.
5. ALL WELDS SHALL BE MADE WITH E70 ELECTRODES.
6. STEEL SHALL BE THOROUGHLY CLEANED OF MILL SCALE PRIOR TO APPLICATION OF THE PRIMER IN ACCORDANCE WITH SSPC SP-2 OR SP-3.
7. SHOP PAINT STRUCTURAL STEEL WITH ONE COAT, 2 MILS OF FABRICATOR'S STANDARD PRIMER. DO NOT PAINT THE CONTACT SURFACES OF FIELD WELDED CONNECTIONS OR OF STEEL IN CONTACT WITH CONCRETE.
8. THE CONTRACTOR SHALL SUBMIT STRUCTURAL STEEL SHOP DRAWINGS TO THE ARCHITECT.
- STEEL DECK:
1. STEEL DECK SHALL CONFORM TO THE STEEL DECK SPECIFICATIONS AND LOAD TABLES OF THE STEEL DECK INSTITUTE (SDI).
2. THE STEEL ROOF DECK SHALL BE 1 1/2" DEEP, 20 GAGE, TYPE B.
3. METAL DECKING SHALL BE CONTINUOUS OVER THREE OR MORE SPANS.
4. FASTEN DECK WITH 5/8" PUDDLE WELDS AT 360° PATTERN.
5. METAL DECK SHALL HAVE A MINIMUM OF #10 TEK SCREWS AT 24" O.C. FOR SIDELAP FASTENERS.
6. METAL DECK SHALL BE EITHER PAINTED OR GALVANIZED, AT CONTRACTOR'S OPTION, UNLESS NOTED OTHERWISE. WHERE WELDING HAS DAMAGED THE DECK COATING, THE COATINGS SHALL BE REPAIRED IN THE FIELD.
7. LIGHT FIXTURES OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE STEEL ROOF DECK.
8. ALL HOLES IN THE METAL DECK GREATER THAN 8" BUT LESS THAN 12" WIDE SHALL BE FRAMED ON TWO SIDES WITH L2x2x1/4 ANGLES EXTENDING 2 FLUTES BEYOND THE OPENING.
9. THE CONTRACTOR SHALL SUBMIT STEEL DECK SHOP DRAWINGS TO THE ARCHITECT.