

Veterans Affairs Medical Center

2201 North Broadwell Avenue

Grand Island, Nebraska 68803

636-11-117 VA ROOFING REPAIRS- GRAND ISLAND

GENERAL ARCHITECTURAL NOTES:

- THE CONTRACTOR SHALL INSPECT THE SITE, STUDY EXISTING CONDITIONS, REVIEW DRAWINGS AND SPECIFICATIONS.
- CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
- CONTRACTOR SHALL TAKE ALL MEASUREMENTS FOR THE WORK AND BE RESPONSIBLE FOR SAME. COORDINATE THE WORK AND SHOP DRAWINGS WITH ALL OTHER TRADES AFFECTED AND MAKE ANY NECESSARY OFFSETS TO CONCEAL PIPING AND DUCTWORK AND TO CLEAR EQUIPMENT, STRUCTURAL MEMBERS AND OTHER OBSTRUCTIONS.
- ALL UTILITIES AND SERVICES SHALL BE KEPT IN CONTINUOUS OPERATION UNLESS WRITTEN PERMISSION IS OTHERWISE GRANTED BY THE OWNER. TEMPORARY ALTERATIONS AND CONNECTIONS REQUIRED BY THIS CONTRACT SHALL BE MADE SO THAT ALL BUILDING SERVICES ARE MAINTAINED WITH MINIMUM INTERRUPTION. SCHEDULE ALL ELECTRICAL, MECHANICAL, GAS, AND PLUMBING WORK IN ADVANCE WITH THE OWNER.
- PROTECT ALL WORK, MATERIALS AND EQUIPMENT. CAP OR PLUG TEMPORARY OPENINGS. DELIVER ALL WORK TO THE OWNER CLEAN AND IN GOOD CONDITION.
- ALL OCCUPIED WORK AREAS AND EXTERIOR AREAS SHALL BE KEPT CLEAR OF DEBRIS. CUTTING AND PATCHING OF EXISTING WALLS, FLOORS OR CEILINGS REQUIRED BY NEW WORK SHALL BE INCLUDED AS WORK PROVIDED UNDER THIS CONTRACT.
- CUTTING SHALL BE DONE WITH CARE SO AS NOT TO DAMAGE EXISTING EQUIPMENT, CONNECTIONS, CONTROLS, ETC. DAMAGE CAUSED BY SUCH CUTTING SHALL BE REPLACED OR REPAIRED TO ORIGINAL CONDITION BY CONTRACTOR AT NO COST TO THE OWNER.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW, OF THE BEST QUALITY AND FREE FROM DEFECTS. MANUFACTURER AND MODEL NUMBERS SPECIFIED ESTABLISH THE TYPE AND QUALITY REQUIRED.
- ALL WORK SHALL COMPLY WITH APPLICABLE REGULATIONS, CODES AND ORDINANCES.
- THE CONTRACTOR SHALL PERFORM ALL TESTS AS SPECIFIED OR AS NECESSARY TO DEMONSTRATE A COMPLETE AND SATISFACTORY INSTALLATION.
- ALL EXPOSED PENETRATIONS MADE THROUGH EXISTING ROOFS, FLOORS, AND WALLS SHALL BE PATCHED WITH LIKE MATERIALS TO MATCH THE SURROUNDING SURFACES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING MATERIALS RESULTING FROM WORK UNDER THIS CONTRACT AND SHALL RESTORE SUCH TO ITS ORIGINAL CONDITION.
- INSTALL THE SPECIFIED FIRE STOPPING (SILVER, MARY CONDUIT, ETC.) AT RATED CONSTRUCTION.
 - FIRE STOP ALL PENETRATIONS WHERE NEW DEVICES/LINES RELOCATING EXISTING DEVICES/LINES PENETRATING FLOORS, CEILINGS AND OTHER RATED BARRIERS.
 - FIRE STOP ALL NEWLY CREATED PENETRATIONS WHERE EXISTING DEVICES/LINES PENETRATE FLOOR, CEILINGS AND OTHER RATED BARRIERS.
- THE CONTRACTOR SHALL WORK WITH THE CONDITIONS AS THEY EXIST AT THE SITE. ALL ABOVE CEILING CONDITIONS SHALL BE REVIEWED AND MODIFICATIONS IDENTIFIED, COORDINATED AND INCORPORATED INTO THE SHOP DRAWING PROCESS. COORDINATE ALL ABOVE CEILING WORK TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT NO ADDITIONAL COST TO THE OWNER. COORDINATION SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - OWNER'S EQUIPMENT REQUIREMENTS
 - LIGHTING FIXTURES ELECTRICAL WIRING AND CONDUIT SYSTEMS
 - PLUMBING AND PIPING SYSTEMS
 - COMMUNICATIONS SYSTEMS
- AT THE COMPLETION OF DEMOLITION THE CONTRACTOR SHALL HAVE A SITE MEETING WITH THE ARCHITECT, AND ENGINEER TO REVIEW AS BUILT CONDITIONS OF THE EXISTING STRUCTURE.
- WHEN ALTERING THE BUILDING, IF STRUCTURAL INTEGRITY APPEARS TO BE IN QUESTION CONTRACTOR SHALL NOTIFY OWNER AND ARCHITECT IMMEDIATELY.
- SITE SURROUNDING PROJECT WILL BE OCCUPIED BY VA STAFF AND VEHICLES DURING ENTIRE PROJECT AND SHALL NOT BE OBSTRUCTED FROM ACCESS AT ANY TIME. TEMPORARY STORAGE AND WORK AREA LOCATION SHALL BE COORDINATED WITH VA RESIDENT ENGINEER. REQUIRED ADDITIONAL CONSTRUCTION SPACE SHALL BE COORDINATED WITH VA RESIDENT ENGINEER, IE CRANE LOCATION AND SCHEDULE ETC. CONTRACTOR SHALL NOTIFY AND RECEIVE APPROVAL FROM VA RESIDENT ENGINEER PRIOR TO MAKING ANY CHANGES PREVIOUSLY AGREED UPON.

FIRE STOPPING:

- MAINTAIN FIRE RATED CONSTRUCTION AT WALL PENETRATIONS. (CONSTRUCTION TO CONFORM TO MFG'S FIRE RATED TEST ASSEMBLIES)
- FIRE GASK ALL SLEEVES AND PENETRATIONS AT FIRE WALLS/PARTITIONS AND FLOORS. CONFORM WITH THE TESTED/SUBMITTED F.R. ASSEMBLY.
- MAINTAIN 2-HR FIRE RATED FLOOR AT PENETRATIONS. EXISTING FLOOR SLAB AND 2-HR DECK WITH FIREPROOFING PENETRATIONS. CONFORM WITH THE TESTED/SUBMITTED F.R. ASSEMBLY.

HAZARDOUS MATERIAL:

- SEE OWNER FOR HAZARDOUS MATERIAL REPORT.
- IF THE CONTRACTOR ENCOUNTERS MATERIAL THAT COULD BE HAZARDOUS, THE CONTRACTOR SHALL STOP WORK AND NOTIFY THE OWNER IMMEDIATELY FOR DIRECTION.

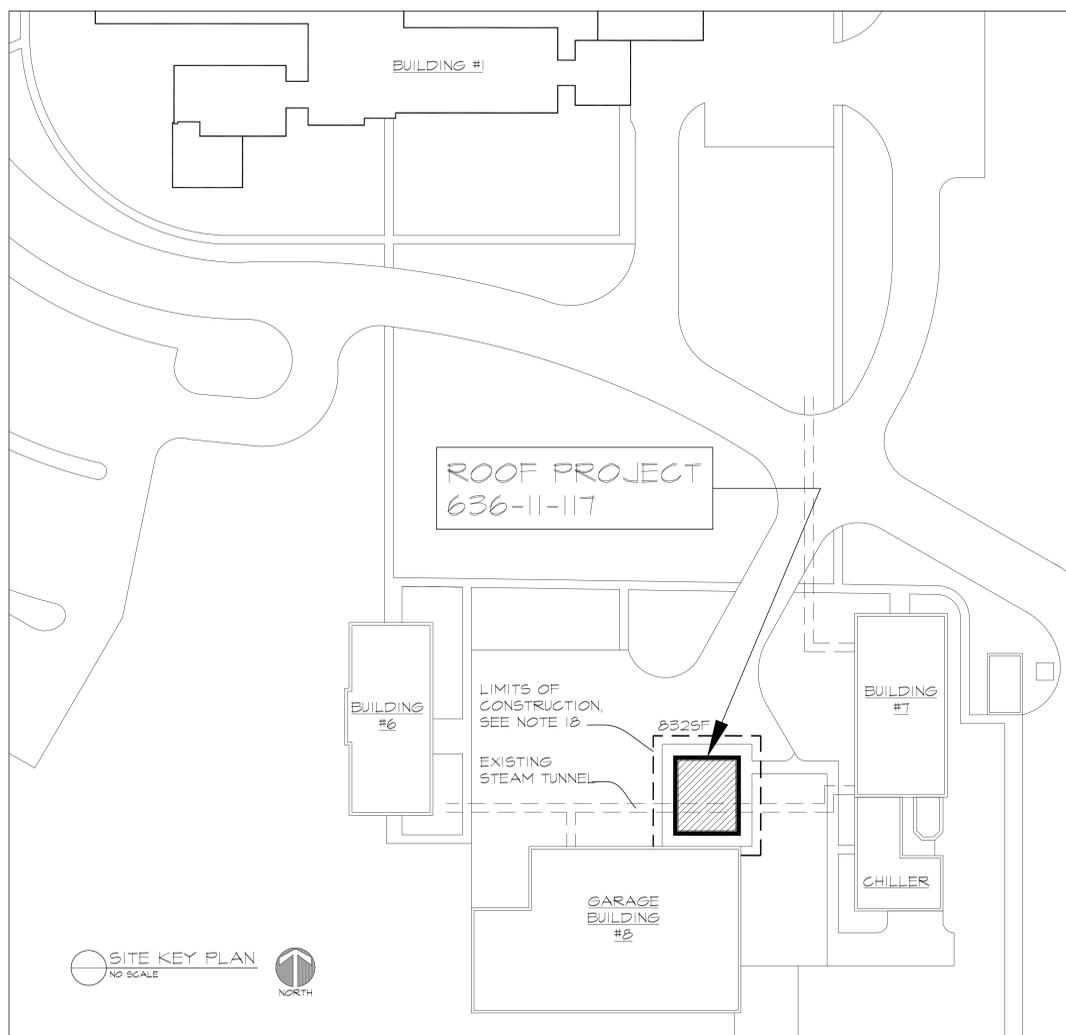
DESIGN CODES:

- NFPA 2001 LIFE SAFETY CODE
- NFPA 2001 FIRE CODE
- 2009 INTERNATIONAL BUILDING CODE
- UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) AND VA SUPPLEMENT, BARRIER FREE DESIGN
- INTERNATIONAL MECHANICAL CODE
- INTERNATIONAL ENERGY CONSERVATION CODE
- ASHRAE STANDARD 62.1-2004 - VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY
- APPLICABLE AMERICAN SOCIETY OF PLUMBING ENGINEERS (ASPE) STANDARDS.
- APPLICABLE AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR-CONDITIONING ENGINEERS (ASHRAE) STANDARDS.
- NATIONAL ELECTRICAL CODE

BUILDING STATISTICS:

- BUILDING SF: 832 SF
- OCCUPANCY CLASSIFICATION: IBC- STORAGE MODERATE HAZARD S-1 NFPA LIFE SAFETY- STORAGE ORDINARY HAZARD
- LOAD REQUIREMENT: 300 GROSS OR 3 OCCUPANTS
- DEAD END, PERMITTED 50FT, PROVIDED 30'
- COMMON PATH OF TRAVEL, PERMITTED 50FT, PROVIDED 30'
- CONSTRUCTION TYPE: IBC- TYPE VB
- NFPA- NO MINIMUM REQUIREMENTS
- NO PARAPET PER IBC 705.10.2
- ROOF CLASSIFICATION: MINIMUM CLASS C

Signature and Date
Projects: _____
Engineering: _____
EMS: _____
Safety: _____
Security: _____
Infectious Control: _____
Nursing: _____
Logistics: _____
User: _____
User: _____



3 Index of Drawings:

- | | | |
|---|------|-------------------------------------------------------|
| 1 | A0.1 | COVER SHEET, GENERAL NOTES, CODE REVIEW AND KEYPLAN |
| 2 | A2.1 | ROOF PLAN, BUILDING SECTIONS AND STORM DRAINAGE NOTES |
| 3 | S1.1 | ROOF FRAMING PLAN, DETAILS AND NOTES |

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IMPORTANT CONTRACTOR'S NOTE

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- WORK UNDER THIS CONTRACT TO BE PERFORMED BETWEEN 6PM AND 6AM, UNLESS OTHER AUTHORIZATION IS GIVEN.



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- COVER SHEET
- GENERAL NOTES
- KEY PLAN

VA ROOFING REPAIRS- GRAND ISLAND
 636-11-117

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

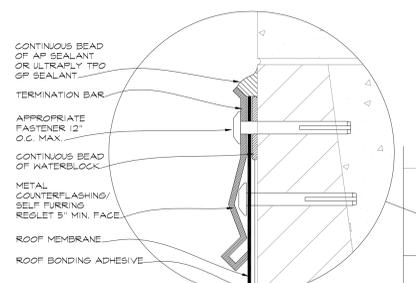
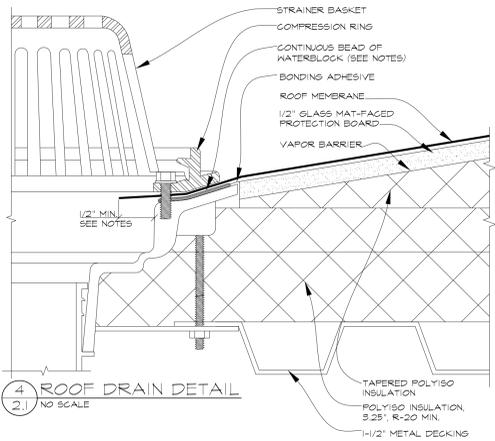
Project Number: 636-11-117		
Building Number: ONE		
VAMC Grand Island, NE		Drawing Number: A0.1
Date SEPTEMBER 22, 2011	Checked by CLH	Drawn by RB
		Dwg. 1 of 3



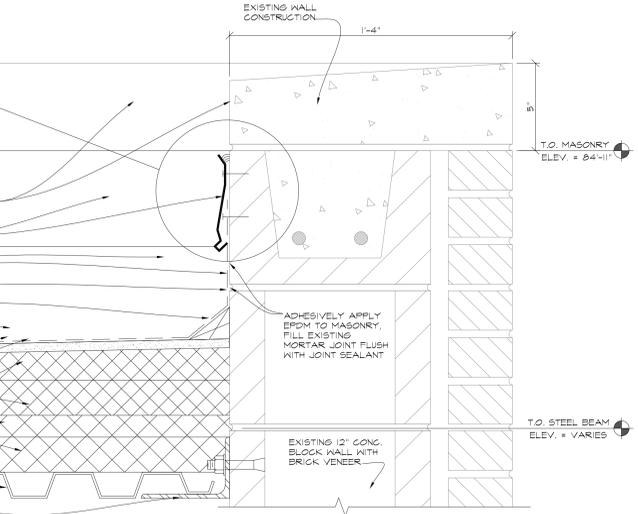
MEMBRANE SLOPE LIMITS:
 A) MAXIMUM SLOPE FOR MAX MEMBRANE SHALL BE 2" PER 12" REFER TO DETAIL D-4 WHEN SLOPE EXCEEDS LIMITATIONS.
 B) MAXIMUM SLOPE FOR STANDARD MEMBRANE SHALL BE 6" PER 12".
 C) MINIMUM SLOPE OF 1/4" PER 12".

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 3" MIN. BEYOND EDGE OF SUMP.

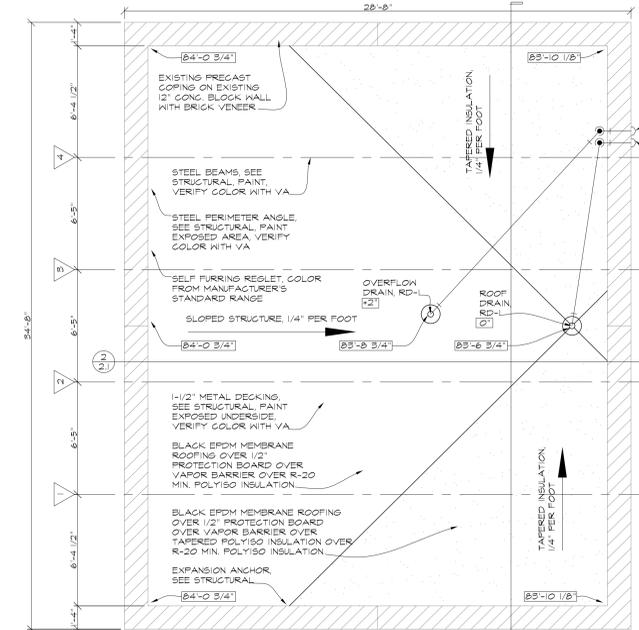
NOTES:
 1) HOLE IN MEMBRANE SHOULD EXTEND A MINIMUM OF 1/2" BEYOND CLAMPING RING AND SHOULD NOT BE SMALLER THAN THE DIAMETER OF THE LEADER PIPE.
 2) INSULATION ADJACENT TO DRAIN TO BE APPROPRIATE INSULATION WITH APPROPRIATE BONDING SURFACE.
 3) WATERBLOCK MIN. OF 1/2" OF 0.02" TUBE PER 4" DRAIN. USE ADDITIONAL WATERBLOCK FOR LARGER DRAINS.



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 0.02" 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.

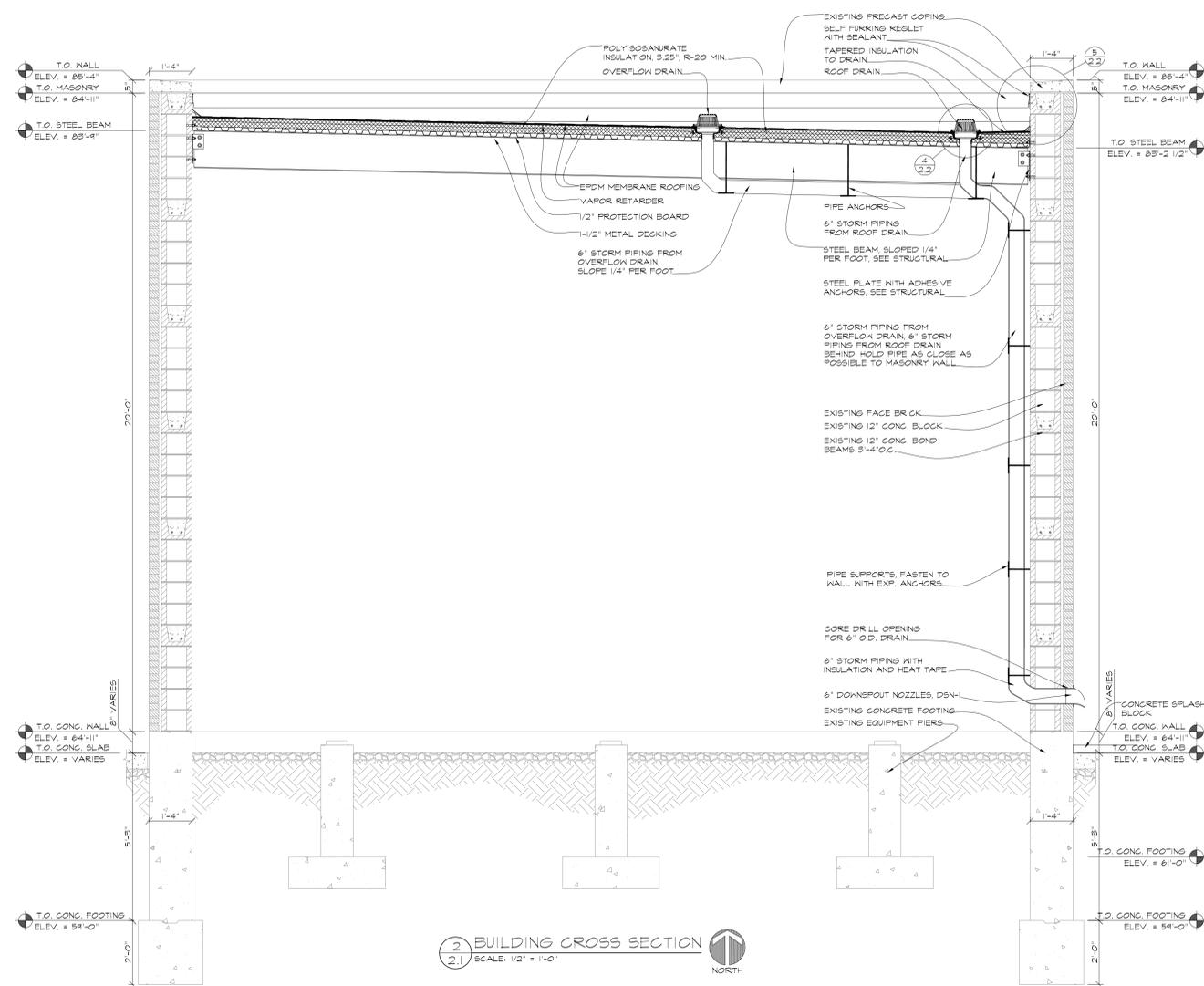


3.2 BUILDING LONGITUDINAL SECTION
 SCALE: 1/2" = 1'-0"

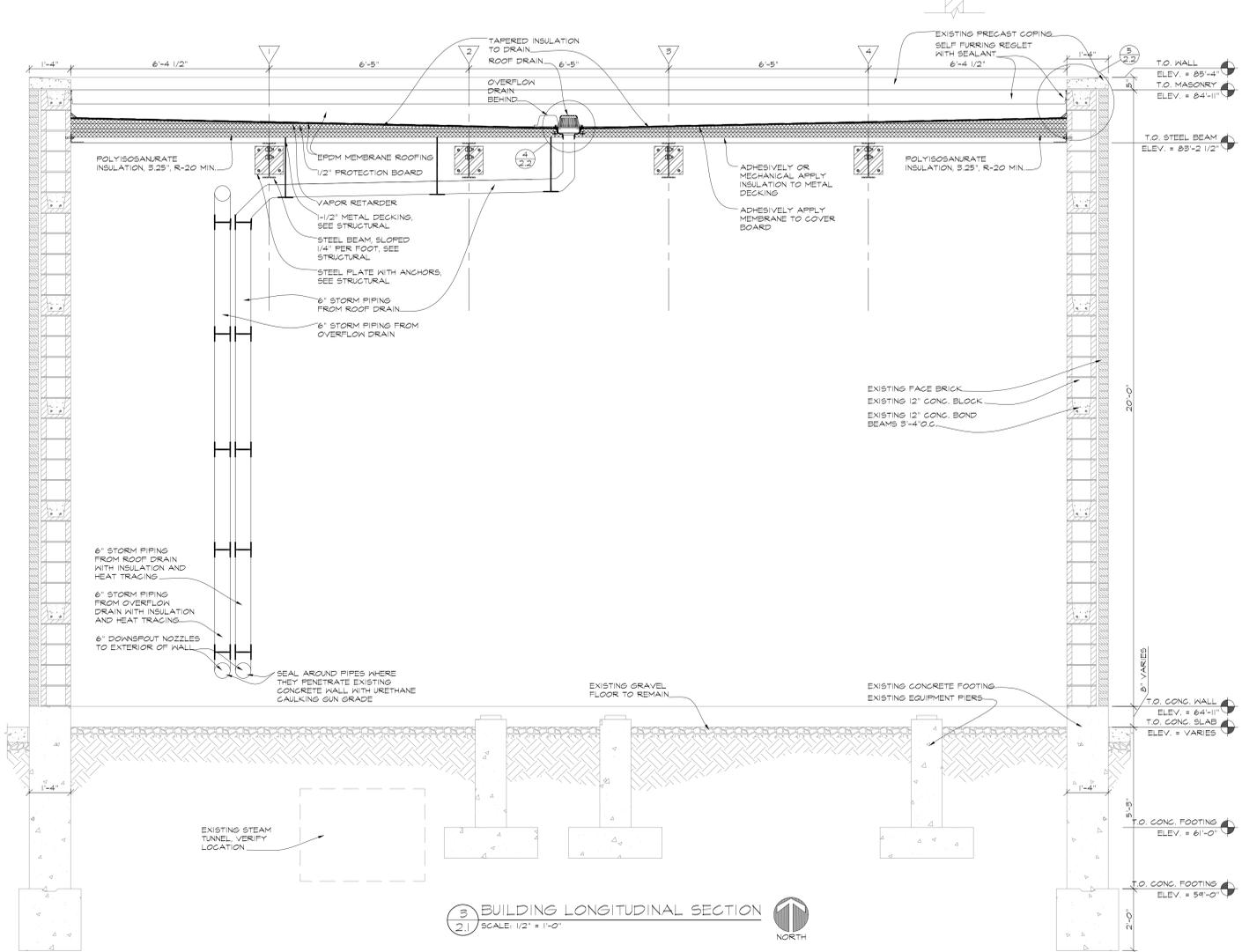


2.1 ROOF PLAN
 SCALE: 1/4" = 1'-0"

STORM DRAINAGE NOTES:
 1) 6" STORM PIPING FROM ROOF DRAIN TO 6" DSN-1 PATCH AND SEAL WALL TO MATCH FINISH.
 2) 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.
 3) ROOF DRAIN AND OVERFLOW DRAIN RECI-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 CLAMP ASSEMBLY AND LARGE LOW PROFILE CAST IRON DOME. J.R. SMITH 10-CID-R-C OR APPROVED EQUAL.
 4) DSN-1 DOWNSPOUT NOZZLE. NICKEL BRONZE DOWNSPOUT NOZZLE WITH NO-HUB INLET, BIRD SCREEN, AND FLANGE TO SECURE NOZZLE TO WALL. J.R. SMITH 11G-2646-NB-B5 OR APPROVED EQUAL.



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



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

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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		Office of Construction and Facilities Management	
Building Number: ONE		Department of Veterans Affairs	
VAMC Grand Island, NE		Drawing Number: A2.1	
Date: SEPTEMBER 22, 2011	Checked by: CLH	Drawn by: RB	Dwg. 2 of 3

