

ALEDA E LUTZ VA MEDICAL CENTER

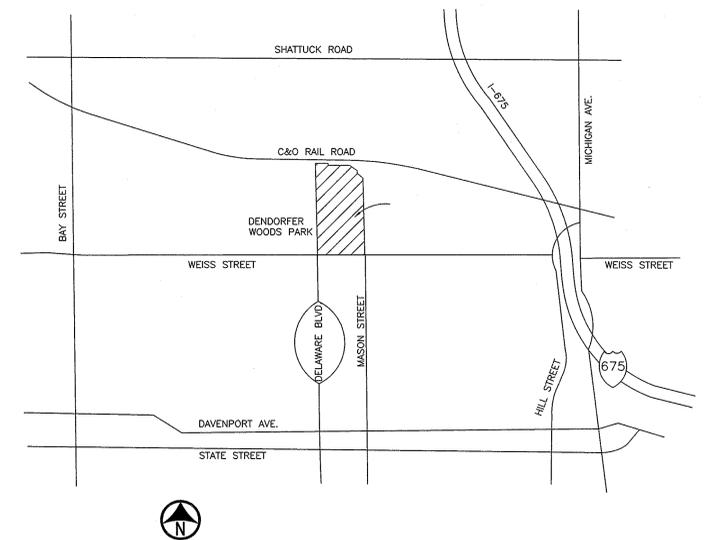
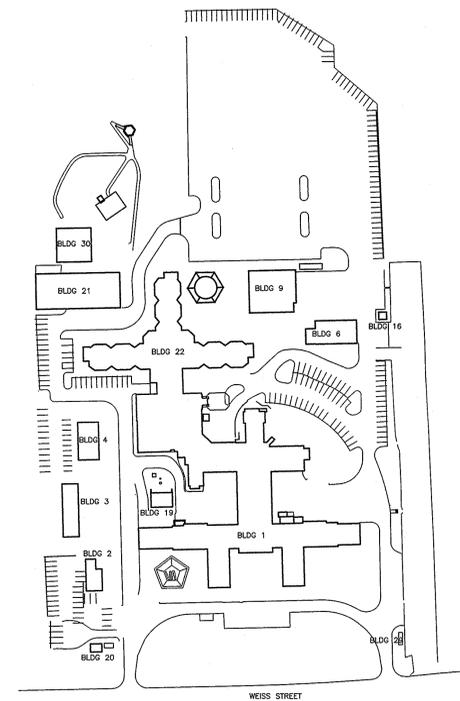
1500 WEISS STREET - SAGINAW, MI

BUILDING 1,9 ROOF REPLACEMENT

655-11-128

three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot

Drawing List	
Drawing Name	Drawing Number
Cover Sheet	G-001
Building 1 Roof Plan - Demolition	1AD101
Building 1 Roof Plan - Demolition	1AD102
Building 1 Roof Plan - Demolition	1AD103
Building 1 Roof Plan - Area 1	1A-101
Building 1 Roof Plan - Area 2	1A-102
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Roof Details and Schedules	1A-701
Building 9 Roof Plan - Demolition	9AD101
Building 9 Roof Plan - Area 1	9A-101



Revisions	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:



Department of Veterans Affairs
 Aleda E Lutz Medical Center
 1500 Weiss Street
 Saginaw, MI 48602

Drawing Title
COVER SHEET

Approved Project Director
 C. HUEP, F.M.S.

Project Title
Roof Replacement for Building 1,9

Location
Aleda E. Lutz Saginaw VAMC

Date
 1/14/11

Checked
 KSR

Drawn
 RDP

Project Number
 655-11-128

Building Number
 1,9

Drawing Number
G-001

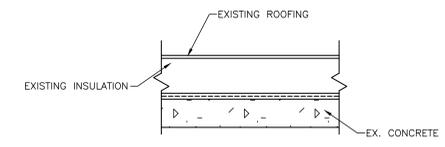
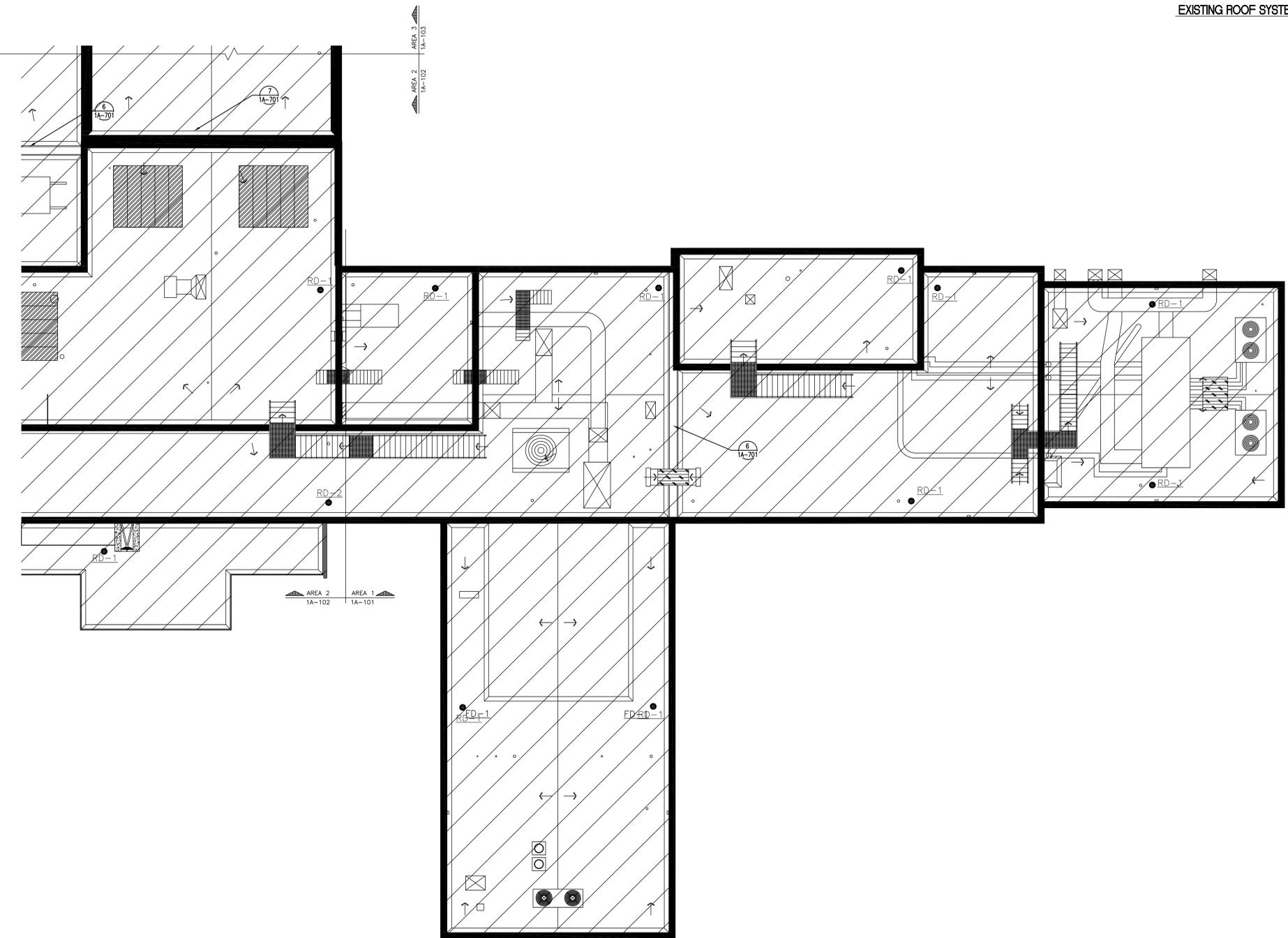
Dwg. 1 of 10

Office of Construction and Facilities Management



Department of Veterans Affairs

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- GENERAL NOTES**
 (APPLIES TO ALL ROOF AREAS UNLESS NOTED OTHERWISE)
1. NOTIFY VA COTR FOR ANY UTILITY / EQUIPMENT SHUTDOWNS.
 2. DISCONNECT, REMOVE AND REINSTALL EXISTING CONDUITS, ETC. AS REQUIRED TO INSTALL NEW ROOF SYSTEM AND CONDUIT SUPPORTS.
 3. EXISTING CONDUIT SUPPORTS, REFER TO DETAIL ON 1A-701 FOR WEAR PAD DETAILS.
 4. DISCONNECT, REMOVE AND REINSTALL EXISTING EQUIPMENT. AS REQUIRED TO INSTALL NEW ROOF SYSTEM AND FLASHING.
 5. CONTRACTOR SHALL SUBMIT DETAILED INSTALLATION DRAWINGS FOR ALL ROOF REPLACEMENTS AS SHOWN AND SPECIFIED. DRAWINGS SHALL BE APPROVED BY THE MEMBRANE SUPPLIER, WARRANTY UNDERWRITER AND CONTRACTOR.
 6. CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS FOR ALL ROOF REPLACEMENTS. DRAWINGS SHALL BE APPROVED BY THE MEMBRANE SUPPLIER, WARRANTY UNDERWRITER AND CONTRACTOR.
 7. WALKWAYS TO BE 30 INCH WIDE BY 60 INCH LONG MAX SECTION, 3mm THICK, INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

- ABBREVIATIONS**
 (APPLIES TO ALL ROOF AREAS UNLESS NOTED OTHERWISE)
- ACC AIR COOLED CONDENSER
 - AHU AIR HANDLING UNIT
 - CH CHILLER
 - DS DOWNSPOUT
 - EC ELECTRICAL CONDUIT
 - ED EXISTING DUCTWORK
 - EF EXHAUST FAN
 - EJ EXPANSION JOINT
 - EP ELECTRICAL PANEL
 - EQ EQUAL DIMENSION
 - HB HOSE BIBB
 - HP HIGH POINT ON ROOF
 - LAD LADDER
 - RD ROOF DRAIN
 - RECEPT RECEPTACLE
 - SCP SCUPPER
 - TD TERRACE DRAIN
 - VENT VENTILATION HOOD
 - VTR VENT THRU ROOF

- DEMOLITION NOTES:**
1. HATCHED AREA INDICATES AREA OF ROOF SYSTEM TO BE REMOVED, ALL MATERIALS TO BE REMOVED BY CONTRACTOR FROM SITE. REFER TO SKETCH ON 1AD101 FOR EXISTING ROOF SYSTEM.
 2. ONLY REMOVE AREA SUCH THAT NEW ROOF CAN BE REINSTALLED BY THE END OF THE DAY.
 3. SEAL ALL WALL MASONRY WHICH IS PERPENDICULAR TO ROOF.
 4. REMOVE AND REINSTALL NEW ROOF DRAINS IN HATCHED AREA.
 5. VTR / PIPE PENETRATIONS SHOWN ON DRAWING, INDICATED BY CIRCLES.
 6. DUCTWORK AND UNITS REPRESENTED ON DRAWING.
 7. SMALL CONDUITS (UNDER 1"), NOT SHOWN ON DRAWING.
 8. WHEN ROOF IS DEMOLISHED, CONCRETE DECK SHALL BE SEAL COATED AND EPOXY COATED TO SEAL ALL CRACKS IN DECK.
 9. REPLACEMENT OF DRAINS SHALL BE COORDINATED WITH COTR, TO ACCESS ROOM IN HOSPITAL WHICH DRAIN ENTERS.
 10. SCUPPERS SHALL BE REPLACED WITH NEW SCUPPERS PER DETAIL AND SPECIFICATIONS.

BUILDING 1 - ROOF PLAN - AREA 1
 SCALE: 1/8"=1'-0"

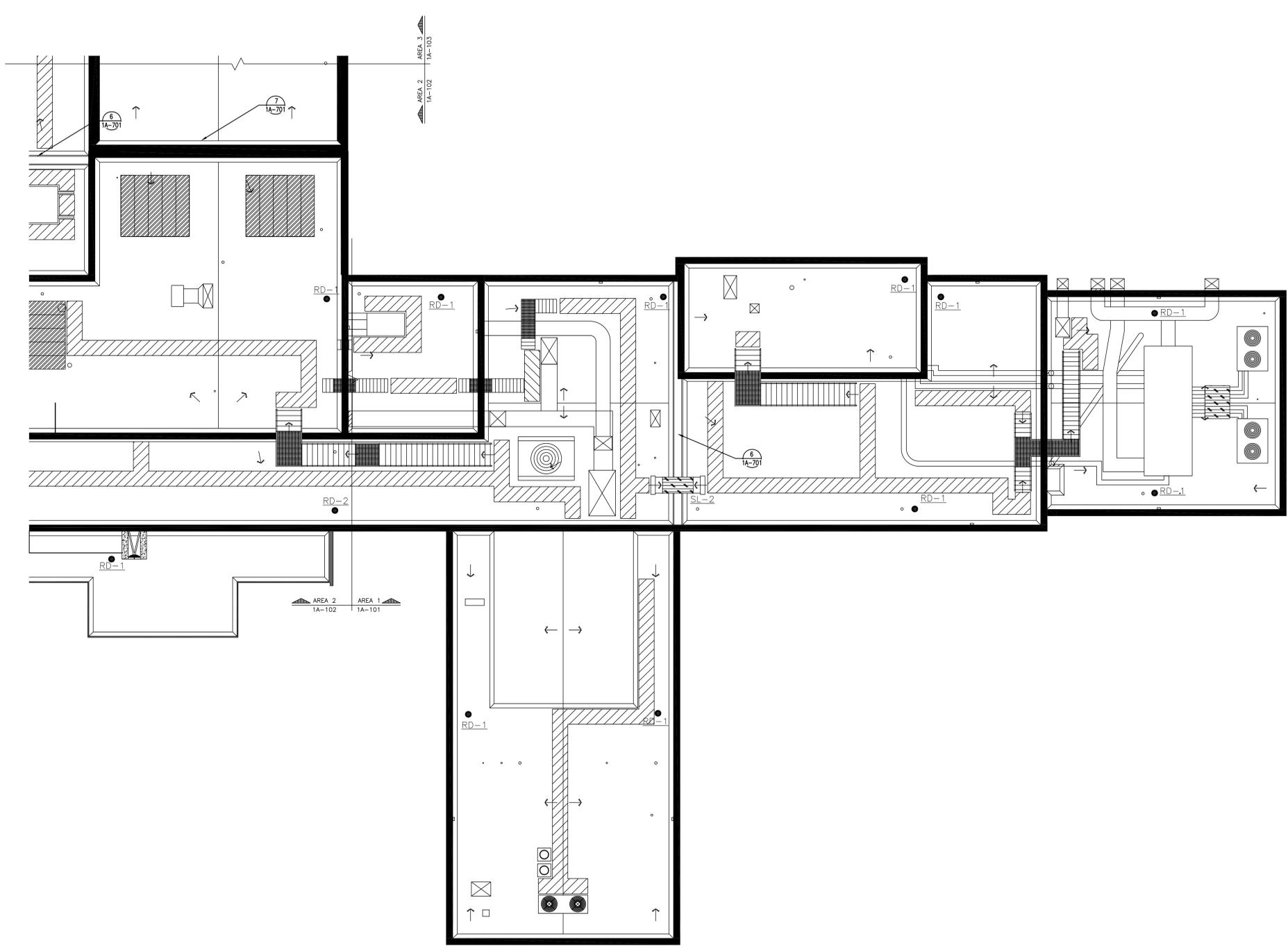
Revisions Date	CONSULTANTS:	ARCHITECT/ENGINEERS:  Department of Veterans Affairs Aleda E Lutz Medical Center 1500 Weiss Street Saginaw, MI 48602	Drawing Title BUILDING 1 ROOF PLAN AREA 1 DEMO	Project Title Roof Replacement for Building 1,9	Project Number 655-11-128 Building Number 1	Office of Construction and Facilities Management  Department of Veterans Affairs
	Approved: Project Director	Location Aleda E. Lutz Saginaw VAMC	Date 11/14/11	Checked KSR	Drawn RDP	

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- GENERAL NOTES**
 (APPLIES TO ALL ROOF AREAS UNLESS NOTED OTHERWISE)
1. NOTIFY VA PROJECT MANAGER FOR ANY UTILITY AND/OR EQUIPMENT SHUTDOWNS.
 2. DISCONNECT, REMOVE AND REINSTALL EXISTING CONDUITS, ETC. AS REQUIRED TO INSTALL NEW ROOF SYSTEM AND CONDUIT SUPPORTS. SUPPORT NEW CONDUITS AS SHOWN ON 1A-701.
 3. EXISTING CONDUIT SUPPORTS, REFER TO DETAIL ON 1A-701 FOR WEAR PAD DETAILS.
 4. DISCONNECT, REMOVE AND REINSTALL EXISTING EQUIPMENT. AS REQUIRED TO INSTALL NEW ROOF SYSTEM AND FLASHING.
 5. CONTRACTOR SHALL SUBMIT DETAILED INSTALLATION DRAWINGS FOR ALL ROOF REPLACEMENTS AS SHOWN AND SPECIFIED. DRAWINGS SHALL BE APPROVED BY THE MEMBRANE SUPPLIER, WARRANTY UNDERWRITER AND CONTRACTOR.
 6. CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS FOR ALL ROOF REPLACEMENTS. DRAWINGS SHALL BE APPROVED BY THE MEMBRANE SUPPLIER, WARRANTY UNDERWRITER AND CONTRACTOR.

- ABBREVIATIONS**
 (APPLIES TO ALL ROOF AREAS UNLESS NOTED OTHERWISE)
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 - RD ROOF DRAIN
 - RECP RECEPTACLE
 - SCP SCUPPER
 - SL SHIPS LADDER
 - TD TERRACE DRAIN
 - VENT VENTILATION HOOD
 - VTR VENT THRU ROOF

- INSTALLATION NOTES:**
1. REFER TO DRAWING 1A-701 FOR DETAILS AND EQUIPMENT SCHEDULES.
 2. WALKWAYS TO BE 30 INCH WIDE BY 60 INCH LONG MAX SECTION, 3mm THICK, INSTALLED PER MANUFACTURER'S SPECIFICATIONS. HATCHED AREA INDICATES WALKWAY PADS.
 3. REFERENCED DETAILS ARE NOTED PER CONDITION AND ALL OTHERS SHALL BE CONSIDERED TYPICAL AMONG RELATED CONDITIONS.
 4. ALL CAULKING / SEALANT AT FLASHING SHALL BE REMOVED AND REPLACED.
 5. ALL ROOF DRAINS AND SCUPPERS SHALL BE REPLACED.
 6. NEW SHIPS LADDERS PER SCHEDULE.



BUILDING 1 - ROOF PLAN - AREA 1
 SCALE: 1/8"=1'-0"

Revisions	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

 Department of Veterans Affairs
 Aleda E Lutz Medical Center
 1500 Weiss Street
 Saginaw, MI 48602

Drawing Title
 BUILDING 1 ROOF PLAN
 AREA 1

Approved Project Director

Project Title
 Roof Replacement for
 Building 19

Project Number
 655-11-128

Building Number
 1

Location
 Aleda E. Lutz Saginaw VAMC

Date
 11/14/11

Checked
 KBR

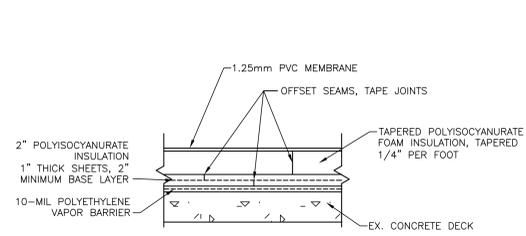
Drawn
 RDP

Drawing Number
 1A-101
 Dwg. 5 of 10

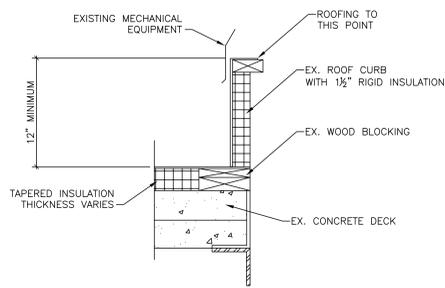
Office of Construction and Facilities Management

 Department of Veterans Affairs

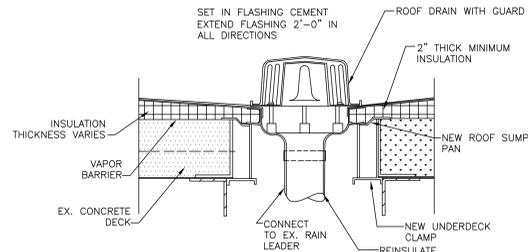
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1 ROOF ASSEMBLY SECTION VIEW
 SCALE: 1/8"=1'-0"

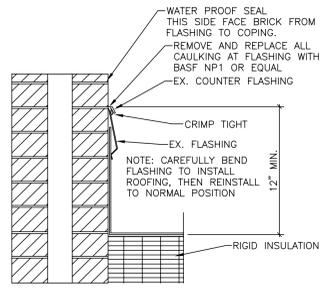


2 ROOF CURB
 SCALE: NOT TO SCALE

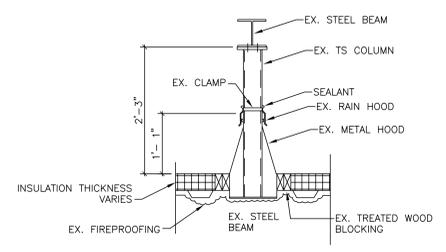


3 ROOF DRAIN
 SCALE: NOT TO SCALE

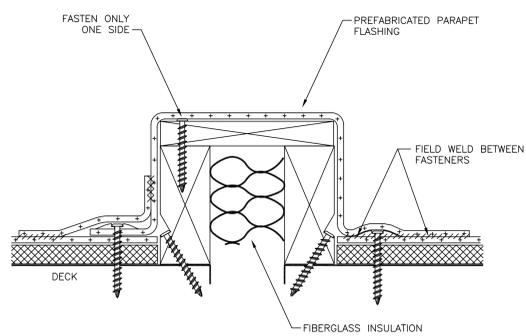
NOTE: REPLACE ANY FIRE PROOFING DAMAGED DURING DRAIN REMOVAL.



4 FLASHING DETAIL
 SCALE: NOT TO SCALE

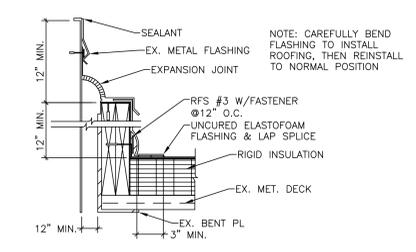


5 PLATFORM LEG FLASHING
 SCALE: NOT TO SCALE

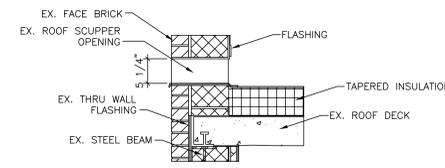


6 DECK TO DECK EXP. JOINT
 SCALE: NOT TO SCALE

GENERAL NOTES:
 1. TABS THAT ARE PARALLEL TO THE EXPANSION JOINT MUST BE MECHANICALLY FASTENED WITH THE SAME FASTENING PATTERN USED ON THE MEMBRANE IN THE FIELD AREA.
 2. LEAVE THE MEMBRANE COVERING THE EXPANSION JOINT LOOSE ENOUGH TO ALLOW FOR MOVEMENT OF THE BUILDING ON EITHER SIDE OF THE JOINT.

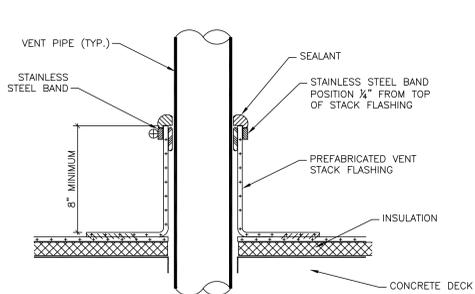


7 DECK TO WALL EXP. JOINT
 SCALE: NOT TO SCALE



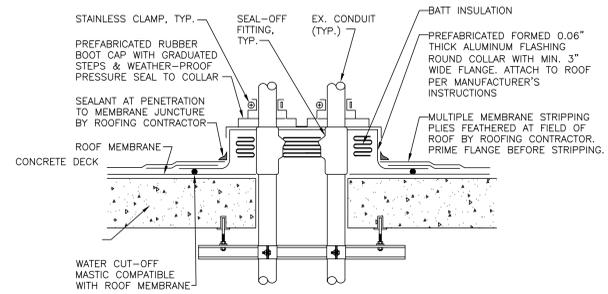
9 SCUPPER DETAIL
 SCALE: NOT TO SCALE

- SCHEDULE:**
- RD-1** JOSAM 22010 ROOF DRAIN, CAST IRON, 12" DIAMETER ROOF DRAIN, 4" CONNECTION, NO HUB CONNECTION, UNDERDECK CLAMP, CAST IRON DOME STRAINER, ADJ. DRAINAGE COLLAR, VERIFY SIZE OF DRAIN LINE.
 - RD-2** JOSAM 22010 ROOF DRAIN, CAST IRON, 12" DIAMETER ROOF DRAIN, 3" CONNECTION, NO HUB CONNECTION, UNDERDECK CLAMP, CAST IRON DOME STRAINER, ADJ. DRAINAGE COLLAR, VERIFY SIZE OF DRAIN LINE.
 - LAD-1** LADDER: SIDE MEMBERS ARE 1/4"x2"x2" STEEL ANGLE, 3/4" CORRUGATED STEEL ROUND CLIMBING RUNGS ON 12" CENTERS. STAND-OFF BRACKETS ARE 7" WALK-THRU HANDRAILS EXTEND 42" ABOVE LANDING SURFACE. SAFETY CAGES ARE DESIGNED TO OSHA SPECIFICATIONS WITH FLARED BOTTOM OPENING FOR EASY ENTRY. CAGE BEGINS 6" FROM BOTTOM RUNG. WELDED ONE-PIECE TO MEET OR EXCEED ANSI A14.3, OSHA 1910.27 AND 1926.1053 STANDARDS.
 - SL-1 THRU SL-7** SHIPS LADDER: HEAVY DUTY BAR GRATING STAIR TREADS FACTORY WELDED HANDRAILS OF 1 1/2" X 14 GA. SQUARE TUBING, 10" STRUCTURAL CHANNEL STRINGERS, STANDARD 24" WIDE TREADS, 27" OVERALL STAIR WIDTH. TREAD DEPTH IS 6". WELDED ONE-PIECE TO MEET OR EXCEED ANSI A14.3, OSHA 1910.27 AND 1926.1053 STANDARDS. CONTRACTOR TO VERIFY NUMBER OF TREADS NEEDED FOR EACH LOCATION.



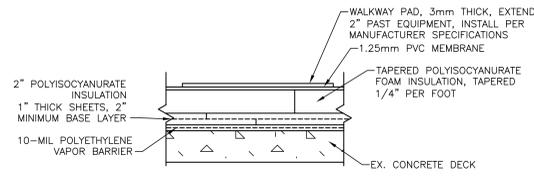
10 VENT THRU ROOF DETAIL
 SCALE: NOT TO SCALE

NOTE: MEMBRANE ATTACHMENT AROUND THE PENETRATION WILL BE THE SAME AS THE DECK MEMBRANE, 18" ON CENTER, AND MINIMUM ONE PLATE / FASTENER PER FLASHING.



11 PIPE PENETRATION DETAIL
 SCALE: NOT TO SCALE

GENERAL NOTES:
 1. FLANGES OF ADJACENT FLASHINGS SHALL NOT BE CUT OR OVERLAPPED.
 2. COORDINATE FLASHING INSTALLATION TO ENSURE PROPER METHODS & MATERIALS ARE USED TO MAINTAIN ROOF WARRANTY.



12 EQUIPMENT ROOF PLACEMENT
 (WALKWAY PADS)
 SCALE: 1/8"=1'-0"

CONSULTANTS: 		ARCHITECT/ENGINEERS:  Department of Veterans Affairs Aleda E Lutz Medical Center 1500 Weiss Street Saginaw, MI 48602		Drawing Title ROOF DETAILS AND SCHEDULES	Project Title Roof Replacement for Building 1,9	Project Number 655-11-128 Building Number 1,9	Office of Construction and Facilities Management  Department of Veterans Affairs
Revisions 				Approved: Project Director 	Location Aleda E. Lutz Saginaw VAMC	Drawing Number 1A-701 Dwg 8 of 10	

