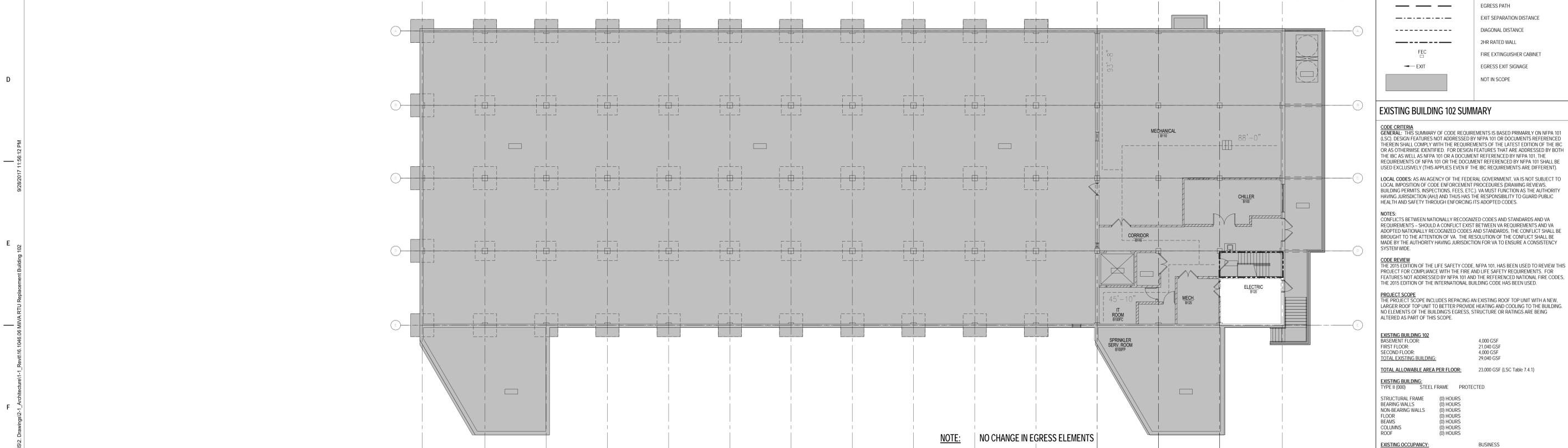


NOTE: NO CHANGE IN EGRESS ELEMENTS  
 FIRST FLOOR LIFE SAFETY PLAN  
 SCALE: 3/32" = 1'-0"



NOTE: NO CHANGE IN EGRESS ELEMENTS  
 BASEMENT LIFE SAFETY PLAN  
 SCALE: 3/32" = 1'-0"

**GOVERNING CODES:**

REFER TO VA MANUAL PG-18-3 FOR ADDITIONAL CODES, STANDARDS, GUIDELINES AND REGULATIONS. BELOW LISTING IS NOT COMPREHENSIVE.

ICC INTERNATIONAL BUILDING CODES, 2015 EDITION (IBC)  
 ASCE 07-10  
 ACI 318-11  
 ACI 308-11  
 AISC 341-10  
 AISC 360-10  
 PCI 318-10, DESIGN HANDBOOK  
 NFPA 70, NATIONAL ELECTRICAL CODE, 2017 EDITION  
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MOST RECENT EDITION OF NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900

ASHRAE 90.1-2016 HVAC SYSTEMS  
 ASHRAE 62.1-2016 VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY  
 ASHRAE 11-2007 HVAC & R TECHNICAL REQUIREMENTS FOR COMMISSIONING PROCESS  
 ASHRAE 55-2013 THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY  
 ANSI A117.1-2009 STANDARD ON ACCESSIBLE & USABLE BUILDINGS AND FACILITIES  
 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN  
 OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS  
 ENERGY POLICY ACT OF 2005 (EPACT)  
 EXECUTIVE ORDER 13423 STRENGTHENING FEDERAL ENVIRONMENTAL, ENERGY, AND TRANSPORTATION MANAGEMENT.

**VA DESIGN MANUALS PG-18-10:**

VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL) (HTTP://WWW.CFM.VA.GOV/TIL)

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 PLUMBING, NOVEMBER 2014  
 STRUCTURAL, FEBRUARY 1, 2014  
 ENVIRONMENTAL PLANNING GUIDANCE PG-18-17 NEPA INTERIM GUIDELINES FOR PROJECTS SEPTEMBER 30, 2010  
 EPA GUIDELINES CHECKLIST

**CODE ANALYSIS LEGEND**

	OCCUPANCY TYPE
	SQUARE FOOTAGE
	EXITS REQUIRED
	OCCUPANCY LOAD FACTOR
	TOTAL OCCUPANCY
	EGRESS PATH
	EXIT SEPARATION DISTANCE
	DIAGONAL DISTANCE
	2HR RATED WALL
	FIRE EXTINGUISHER CABINET
	EGRESS EXIT SIGNAGE
	NOT IN SCOPE

**EXISTING BUILDING 102 SUMMARY**

**CODE CRITERIA**  
 GENERAL: THIS SUMMARY OF CODE REQUIREMENTS IS BASED PRIMARILY ON NFPA 101 (LSC). DESIGN FEATURES NOT ADDRESSED BY NFPA 101 OR DOCUMENTS REFERENCED THEREIN SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE IBC OR AS OTHERWISE IDENTIFIED. FOR DESIGN FEATURES THAT ARE ADDRESSED BY BOTH THE IBC AS WELL AS NFPA 101 OR A DOCUMENT REFERENCED BY NFPA 101, THE REQUIREMENTS OF NFPA 101 OR THE DOCUMENT REFERENCED BY NFPA 101 SHALL BE USED EXCLUSIVELY (THIS APPLIES EVEN IF THE IBC REQUIREMENTS ARE DIFFERENT).

**LOCAL CODES:** AS AN AGENCY OF THE FEDERAL GOVERNMENT, VA IS NOT SUBJECT TO LOCAL IMPOSITION OF CODE ENFORCEMENT PROCEDURES (DRAWING REVIEWS, BUILDING PERMITS, INSPECTIONS, FEES, ETC.). VA MUST FUNCTION AS THE AUTHORITY HAVING JURISDICTION (AHJ) AND THIS HAS THE RESPONSIBILITY TO GUARD PUBLIC HEALTH AND SAFETY THROUGH ENFORCING ITS ADOPTED CODES.

**NOTES:**  
 CONFLICTS BETWEEN NATIONALLY RECOGNIZED CODES AND STANDARDS AND VA REQUIREMENTS - SHOULD A CONFLICT EXIST BETWEEN VA REQUIREMENTS AND ADOPTED NATIONALLY RECOGNIZED CODES AND STANDARDS, THE CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF VA. THE RESOLUTION OF THE CONFLICT SHALL BE MADE BY THE AUTHORITY HAVING JURISDICTION FOR VA TO ENSURE A CONSISTENCY SYSTEM WIDE.

**CODE REVIEW:**  
 THE 2015 EDITION OF THE LIFE SAFETY CODE, NFPA 101, HAS BEEN USED TO REVIEW THIS PROJECT FOR COMPLIANCE WITH THE FIRE AND LIFE SAFETY REQUIREMENTS. FOR FEATURES NOT ADDRESSED BY NFPA 101 AND THE REFERENCED NATIONAL FIRE CODES, THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE HAS BEEN USED.

**PROJECT SCOPE:**  
 THE PROJECT SCOPE INCLUDES REPLACING AN EXISTING ROOF TOP UNIT WITH A NEW LARGER ROOF TOP UNIT TO BETTER PROVIDE HEATING AND COOLING TO THE BUILDING. NO ELEMENTS OF THE BUILDING'S EGRESS, STRUCTURE OR RATINGS ARE BEING ALTERED AS PART OF THIS SCOPE.

<b>EXISTING BUILDING 102</b>	
BASEMENT FLOOR:	4,000 GSF
FIRST FLOOR:	21,940 GSF
SECOND FLOOR:	4,000 GSF
<b>TOTAL EXISTING BUILDING:</b>	<b>29,940 GSF</b>
<b>TOTAL ALLOWABLE AREA PER FLOOR:</b>	<b>23,000 GSF (LSC Table 7.4.1)</b>
<b>EXISTING BUILDING:</b>	
TYPE II (200)	STEEL FRAME PROTECTED
STRUCTURAL FRAME	(0) HOURS
BEARING WALLS	(0) HOURS
NON-BEARING WALLS	(0) HOURS
FLOOR	(0) HOURS
BEAMS	(0) HOURS
COLUMNS	(0) HOURS
ROOF	(0) HOURS
<b>EXISTING OCCUPANCY:</b>	BUSINESS
EQUIPPED THROUGHOUT WITH A COMPLIANT AUTOMATIC SPRINKLER PER NFPA 13	

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 VA FORM 08 - 6231

Revisions:	Date:

**CONSULTANT**

Consultant:  
 RING & DUCHATEAU LLP  
 17400 W. CAPITOL DRIVE  
 BROOKFIELD, WI 53045  
 (414) 778-1700

**ARCHITECT/ENGINEER OF RECORD**

A/E:  
 PROJECT LEAD  
 Architect, Structural Engineer, Civil Engineer

**GUIDON DESIGN**

905 N. CAPITOL AVE., SUITE 100 | INDIANAPOLIS, IN 46204  
 317.800.6388 | WWW.GUIDONDESIGN.COM  
 SUSTAINABLE ARCHITECTURE + ENGINEERING

STAMP

Office of Construction and Facilities Management

**VA** U.S. Department of Veterans Affairs

Drawing Title  
**LIFE SAFETY PLAN**

Approved:  
 MILWAUKEE VA

Phase  
**100% CONSTRUCTION DOCUMENTS**

**NON-SPRINKLERED**

Project Title  
**INSTALL EMS BUILDING 102**

Location  
**MILWAUKEE VAMC**

Issue Date  
 24 JULY 2017

Checked  
 ETA

Drawn  
 JP

Project Number  
**695-17-108**

Building Number  
**BLDG 102**

Drawing Number  
**G101**

**GOVERNING CODES:**

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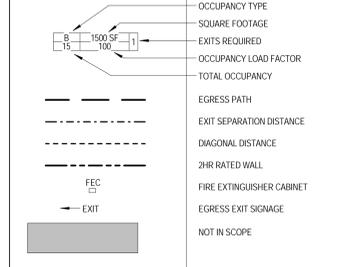
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 EPA GUIDELINES CHECKLIST

**CODE ANALYSIS LEGEND**



**EXISTING BUILDING 102 SUMMARY**

**CODE CRITERIA**  
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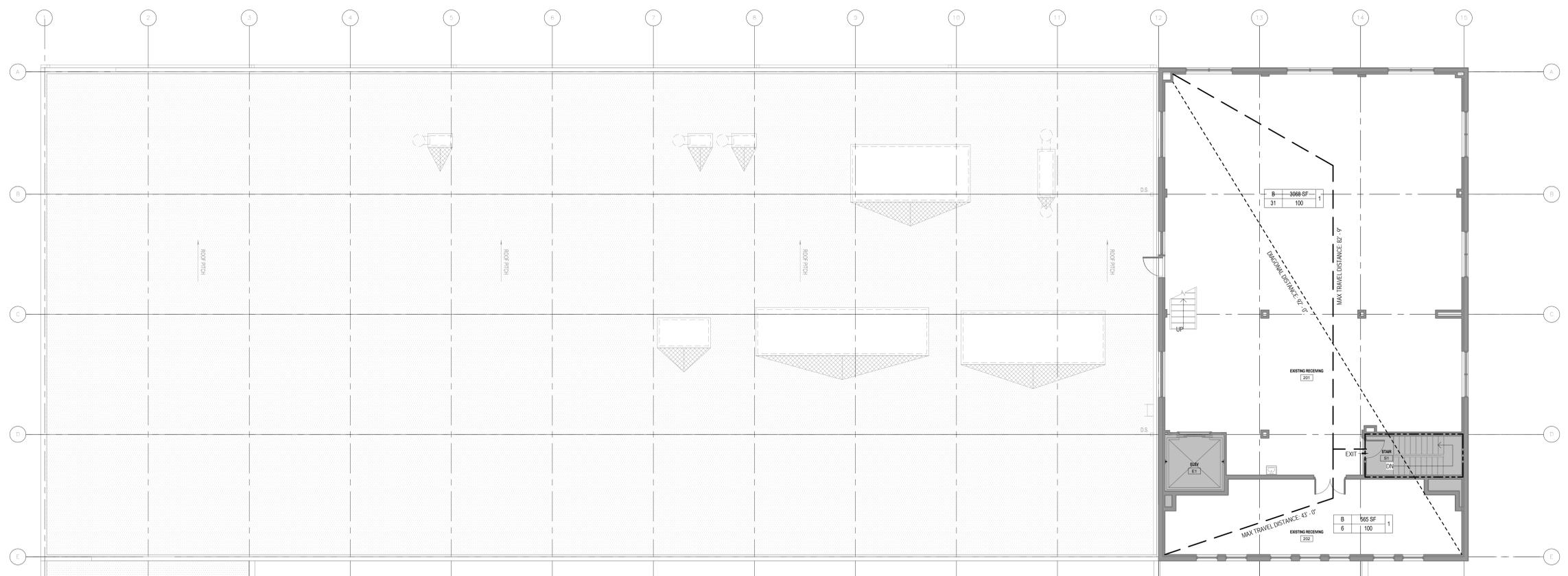
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**PROJECT SCOPE:** THE PROJECT SCOPE INCLUDES REPLACING AN EXISTING ROOF TOP UNIT WITH A NEW LARGER ROOF TOP UNIT TO BETTER PROVIDE HEATING AND COOLING TO THE BUILDING. NO ELEMENTS OF THE BUILDING'S EGRESS, STRUCTURE OR RATINGS ARE BEING ALTERED AS PART OF THIS SCOPE.

<b>EXISTING BUILDING 102</b>	4,000 GSF
BASEMENT FLOOR:	21,940 GSF
FIRST FLOOR:	4,000 GSF
SECOND FLOOR:	29,040 GSF
<b>TOTAL EXISTING BUILDING:</b>	<b>29,040 GSF</b>
<b>TOTAL ALLOWABLE AREA PER FLOOR:</b>	<b>23,000 GSF (LSC Table 7.4.1)</b>

<b>EXISTING BUILDING:</b>	STEEL FRAME	PROTECTED
STRUCTURAL FRAME	(0) HOURS	
BEARING WALLS	(0) HOURS	
NON-BEARING WALLS	(0) HOURS	
FLOOR	(0) HOURS	
BEAMS	(0) HOURS	
COLUMNS	(0) HOURS	
ROOF	(0) HOURS	

**EXISTING OCCUPANCY:** BUSINESS  
 EQUIPPED THROUGHOUT WITH A COMPLIANT AUTOMATIC SPRINKLER PER NFPA 13



**NOTE:** NO CHANGE IN EGRESS ELEMENTS

**SECOND FLOOR LIFE SAFETY PLAN**  
 SCALE: 1/8" = 1'-0"

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

A | B | C | D | E | F

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Revisions: Date:	<b>CONSULTANT</b> Consultant: RING & DuCHATEAU LLP 17400 W. CAPITOL DRIVE BROOKFIELD, WI 53045 (414) 778-1700 	<b>ARCHITECT/ENGINEER OF RECORD</b> A/E: PROJECT LEAD Architect, Structural Engineer, Civil Engineer  GUIDON DESIGN 905 N. CAPITOL AVE., SUITE 100   INDIANAPOLIS, IN 46204 317.800.6388   WWW.GUIDONDESIGN.COM SUSTAINABLE ARCHITECTURE + ENGINEERING	STAMP 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title <b>LIFE SAFETY PLAN</b>	Phase <b>100% CONSTRUCTION DOCUMENTS</b>	Project Title <b>INSTALL EMS BUILDING 102</b>	Project Number <b>695-17-108</b>
					Approved: <b>MILWAUKEE VA</b>	<b>NON-SPRINKLERED</b>	Location <b>MILWAUKEE VAMC</b>	Building Number <b>BLDG 102</b>
					Issue Date <b>24 JULY 2017</b>	Checked ETA	Drawn JP	Drawing Number <b>G102</b>





**DEMOLITION GENERAL NOTES**

- A. COORDINATE DEMOLITION WITH NEW CONSTRUCTION. ALL DEMOLITION AND REPAIR NECESSARY TO COMPLETE NEW AND REMODEL CONSTRUCTION SHALL BE PROVIDED. CONTRACTOR SHALL REMOVE EXISTING IMPROVEMENTS WHETHER OR NOT SPECIFICALLY INDICATED ON THE DRAWINGS TO FACILITATE THE COMPLETION OF ALL REQUIRED WORK. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL QUANTITIES AND ITEMS REQUIRED TO BE REMOVED.
- B. REFER TO ARCHITECTURAL SYMBOLS ON SHEET AS001 FOR DEMOLITION SYSTEMS AND DRAWING NOMENCLATURE.
- C. EXISTING STRUCTURE WITHIN THE PROJECT BOUNDARY SHALL REMAIN UNLESS NOTED OTHERWISE.
- D. SURFACES TO BE CUT AND CONDITIONS UNDER WHICH CUTTING IS TO BE PERFORMED SHALL BE REVIEWED BY CONTRACTOR PRIOR TO CUTTING TO VERIFY NO UNSAFE OR UNSATISFACTORY CONDITIONS EXIST. SUCH CONDITIONS SHALL BE RECTIFIED BEFORE WORK MAY PROCEED.
- E. EXTENTS OF DEMOLITION SHALL BE COORDINATE WITH THE CONSTRUCTION FLOOR PLAN AS101 AND ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
- F. DIMENSIONS SHOWN FOR EXISTING CONSTRUCTION TO BE DEMOLISHED ARE APPROXIMATE AND ARE INTENDED TO GIVE A GENERAL SCOPE OF WORK TO BE REMOVED OR TEMPORARILY REMOVED TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE DEMOLITION WORK WITH DESIGN INTENT OF NEW CONSTRUCTION TO PROVIDE ADEQUATE AREA FOR THIS WORK.
- G. CONTRACTORS SHALL REMOVE INDICATED DEMOLITION OF CONSTRUCTION ASSEMBLIES IN THEIR ENTIRETY, UNLESS OTHERWISE NOTED, TO ACCOMMODATE NEW CONSTRUCTION.
- H. MAKE ALL DEMOLITION CLEAN AND COMPLETE IN A MANNER TO RECEIVE NEW FINISHES. DEMOLITION SHOULD BE PERFORMED IN A MANNER SUCH THAT THE CONTRACTOR CAN SEAMLESSLY PATCH NEW WORK TO BE SMOOTH AND UNDETECTABLE.
- I. THE CONTRACTOR IS RESPONSIBLE TO PROTECT THE EXISTING ROOF FROM ANY RIPS OR TEARS AND MAINTAINING THE INTEGRITY OF THE ROOFING SYSTEM.

**DEMOLITION PLAN NOTES**

- D1. CUT AND PREPARE ROOF FOR NEW ROOF CURB AS INDICATED ON PLAN. COORDINATE WITH MEP DRAWINGS AND WITH MANUFACTURER SIZE OF EQUIPMENT AND REQUIREMENTS.
- D2. COORDINATE WITH MEP DRAWINGS FOR EXISTING ROOF TOP UNIT REMOVAL.
- D3. COORDINATE WITH MEP DRAWINGS FOR EXISTING DAMPER REMOVAL.

**FLOOR AND ROOF PLAN GENERAL NOTES**

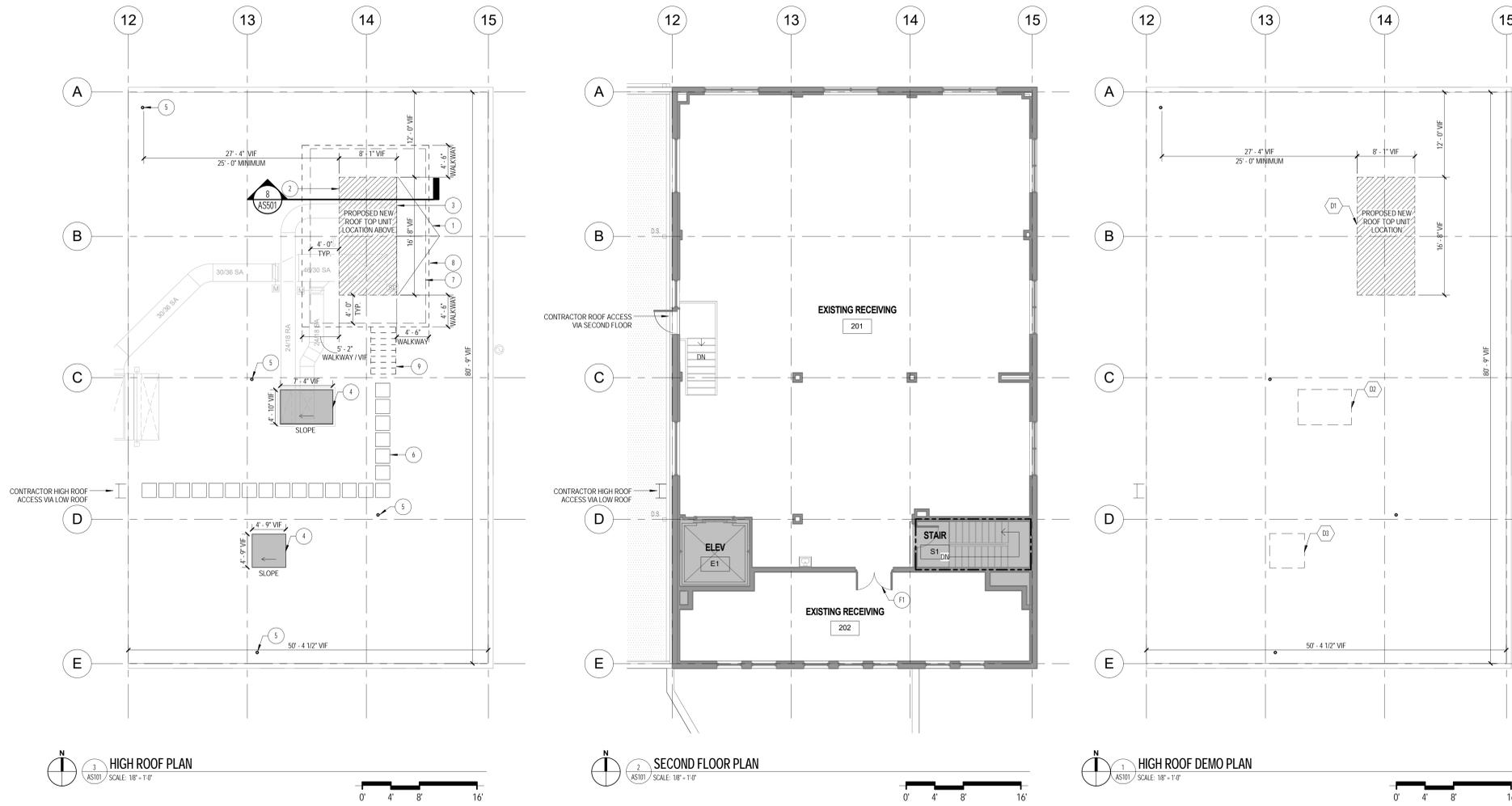
- A. REFERENCE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL FOR COORDINATION ITEMS. COORDINATE AS REQUIRED INCLUDING NECESSARY FRAMING, BLOCKING, ETC.
- B. VERIFY EXISTING FIELD CONDITIONS PRIOR TO BEGINNING WORK, AND REPORT DISCREPANCIES IMMEDIATELY TO ARCHITECT FOR CLARIFICATION.
- C. THE CONTRACTOR IS RESPONSIBLE TO PROTECT THE EXISTING ROOF FROM ANY RIPS OR TEARS AND MAINTAINING THE INTEGRITY OF THE ROOFING SYSTEM.

**ROOF PLAN NOTES**

1. PROVIDE ROOF CRICKET SLOPED MINIMUM 1/2" : 1" (1 : 24) ALONG THE EAST SIDE OF THE NEW ROOF TOP UNIT. COORDINATE WITH MEP DRAWINGS.
2. PROVIDE ROOF CURB TO RECEIVE NEW ROOF TOP UNIT AS INDICATED ON 4/AS101 AND DETAIL 4 & 5/AS501. COORDINATE WITH MEP DRAWINGS FOR MORE INFORMATION.
3. PROVIDE A 30" X 30" ACCESS DOOR AS INDICATED ON 3/AS101 AND DETAIL 5/AS501.
4. PROVIDE ROOF OPENING COVER AS INDICATED ON 3/AS101 AND DETAIL 1/AS501.
5. EXISTING VENT TO REMAIN. NOT IN SCOPE. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
6. PROVIDE PRECAST CONCRETE ROOF PAVERS.
7. PAINT ROOF WHITE TO EXTEND 4'-0" OUTWARD FROM NEW ROOF TOP UNIT. AS INDICATED ON PLAN 3/AS101.
8. PROVIDE ELEVATED ROOF WALKWAY SYSTEM AROUND NEW ROOF TOP UNIT. ELEVATED HEIGHT OF ROOF WALKWAY SYSTEM TO ALIGN WITH HEIGHT OF ROOF TOP UNIT AT TOP OF CURB TO ALLOW MAINTENANCE ACCESS TO UNIT. PROVIDE ALL SUPPORTS AND CONNECTIONS FOR COMPLETE SYSTEM. PROVIDE NEOPRENE RUBBER PADS UNDER EACH SUPPORT TO BEAR ON ROOF ASSEMBLY. COORDINATE LOCATION AND SUPPORTS OF WALKWAY SYSTEM WITH LOCATIONS AND SIZES OF DUCTWORK, AND LOCATION AND SIZE OF ROOF TOP UNITS. COORDINATE WIDTH OF WALKWAY SYSTEM WITH ACCESS DOORS OF ROOF TOP UNIT TO ENSURE ACCESSIBILITY TO ROOF TOP UNIT AND MAINTENANCE.
9. PROVIDE ROOF WALKWAY SYSTEM STAIRWAY TO CONNECT ROOF LEVEL UP TO ROOF WALKWAY SYSTEM. COORDINATE NUMBER OF REQUIRED TREADS AND RISERS BASED ON INSTALLED HEIGHT OF ROOF WALKWAY SYSTEM. STAIRS DESIGNED AND ENGINEERED BY ROOF WALKWAY SYSTEM MANUFACTURER.

**FLOOR PLAN NOTES**

- F1. PROVIDE A 12" X 12" TRANSFER GRILL IN EACH EXISTING DOOR. MODIFY EXISTING DOOR AS REQUIRED TO ACCOMMODATE TRANSFER GRILL.



**HIGH ROOF PLAN**  
AS101 SCALE: 1/8" = 1'-0"

**SECOND FLOOR PLAN**  
AS101 SCALE: 1/8" = 1'-0"

**HIGH ROOF DEMO PLAN**  
AS101 SCALE: 1/8" = 1'-0"

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<b>CONSULTANT</b> Consultant: RING & DuCHATEAU LLP 17400 W. CAPITOL DRIVE BROOKFIELD, WI 53045 (414) 778-1700		<b>ARCHITECT/ENGINEER OF RECORD</b> A/E: PROJECT LEAD Architect, Structural Engineer, Civil Engineer <b>GUIDON DESIGN</b> 905 N. CAPITOL AVE., SUITE 100   INDIANAPOLIS, IN 46204 317.800.6388   WWW.GUIDONDESIGN.COM SUSTAINABLE ARCHITECTURE + ENGINEERING		STAMP 	Office of Construction and Facilities Management  VA U.S. Department of Veterans Affairs	Drawing Title <b>FLOOR PLANS</b>  Approved: MILWAUKEE VA	Phase <b>100% CONSTRUCTION DOCUMENTS</b>  NON-SPRINKLERED	Project Title INSTALL EMS BUILDING 102 Location MILWAUKEE VAMC Issue Date 24 JULY 2017 Checked ETA Drawn JP	Project Number 695-17-108 Building Number BLDG 102 Drawing Number AS101
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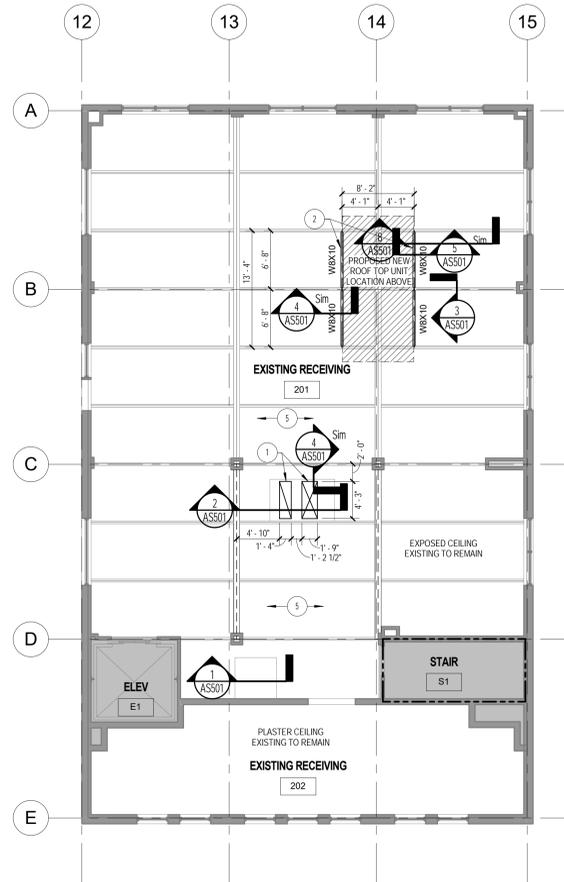
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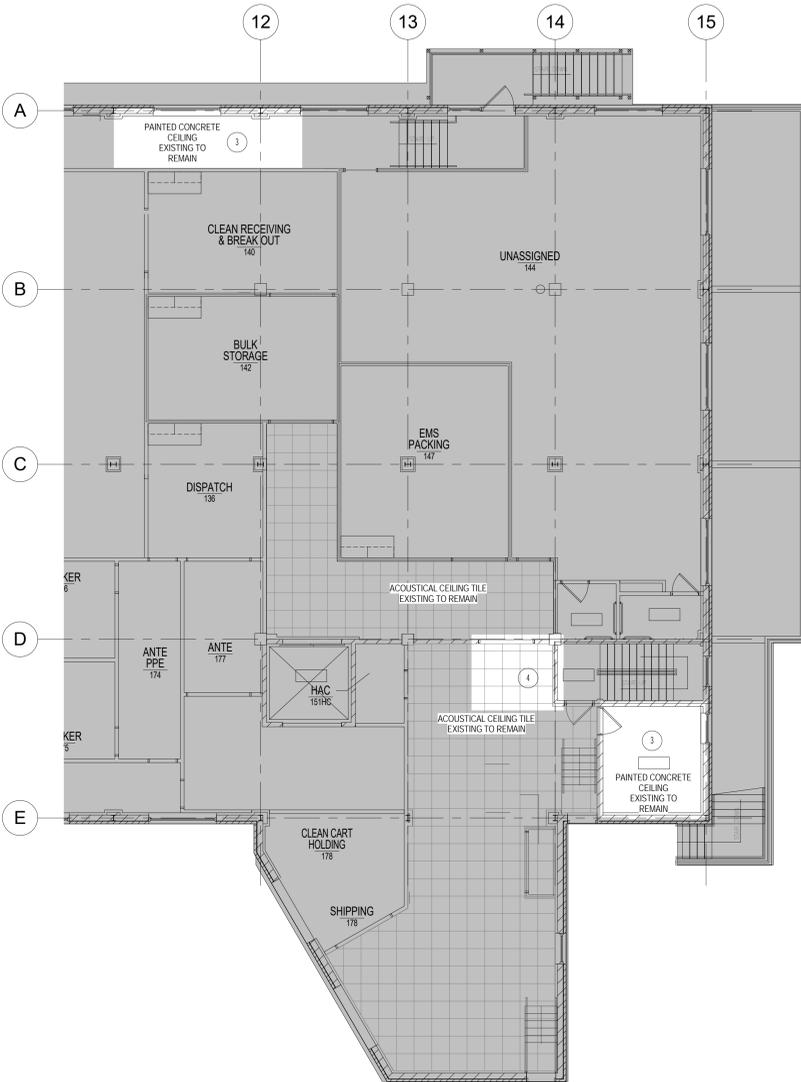
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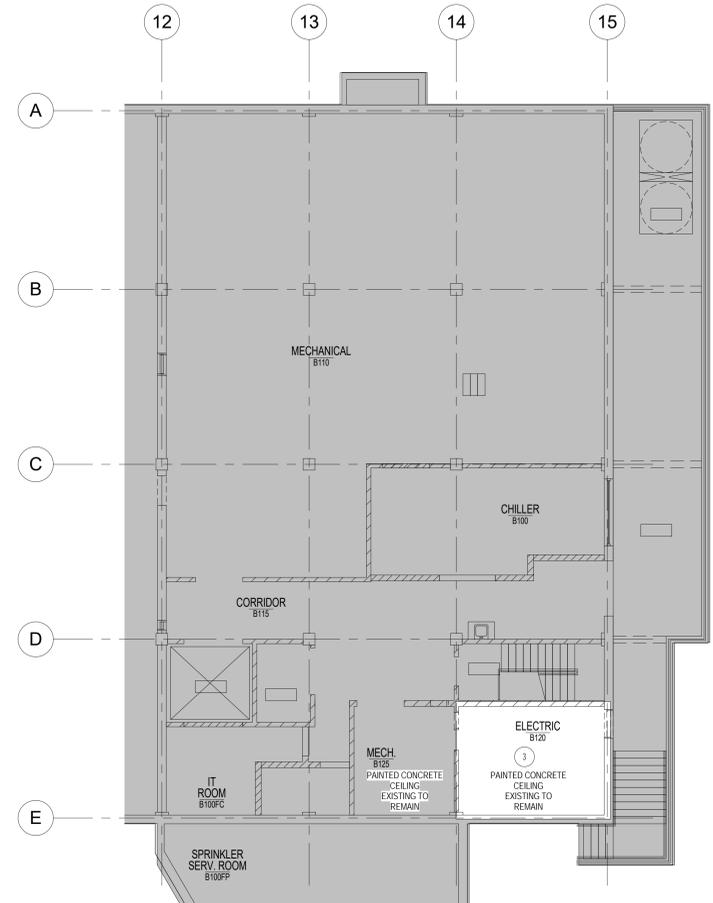
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SECOND FLOOR REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"



FIRST FLOOR REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"



BASEMENT REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"

REFLECTED CEILING GENERAL NOTES

- A REFERENCE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL FOR COORDINATION ITEMS. COORDINATE AS REQUIRED INCLUDING NECESSARY FRAMING, BLOCKING, ETC.
- B VERIFY EXISTING FIELD CONDITIONS PRIOR TO BEGINNING WORK, AND REPORT DISCREPANCIES IMMEDIATELY TO ARCHITECT FOR CLARIFICATION.

REFLECTED CEILING PLAN NOTES

1. PROVIDE ROOF DUCT PENETRATION COVER. REFER TO DETAIL 2 & 4/AS01 AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. PROVIDE NEW STRUCTURAL MEMBERS TO BE BOLTED TO THE EXISTING STRUCTURE. REFER TO DETAIL 3/AS01.
3. EXISTING CEILING TO REMAIN. PATCH, REPAIR AND REFINISH CEILING WHERE WORK OCCURS TO RETURN TO LIKE NEW CONDITION. PAINT CEILING IN AREA TO MATCH EXISTING PAINT COLOR. PAINT ENTIRE CEILING FOR SEAMLESS COLOR IF COLOR MATCH IS NOT AVAILABLE.
4. EXISTING CEILING TO REMAIN. REMOVE AND PROTECT CEILING TILES DURING CONSTRUCTION AS REQUIRED TO PERFORM WORK. REINSTALL CEILINGS AND RETURN TO LIKE NEW CONDITION UPON COMPLETION OF WORK IN THIS AREA.
5. PAINT ALL NEW WORK IN THIS AREA TO MATCH EXISTING EXPOSED CEILING. PROTECT ALL EXISTING STRUCTURE AND EQUIPMENT DURING WORK.

File: 1046 - VA Milwaukee - AE DDC-21 Task 06 - AE Install EMS2 Drawings - 1046.06 MVA RTU Replacement Building 102  
 9/26/2017 11:55:50 PM  
 1046.06 MVA RTU Replacement Building 102  
 9/26/2017 11:55:50 PM

Revisions:	Date:

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STAMP

Office of  
 Construction  
 and Facilities  
 Management  
 U.S. Department  
 of Veterans Affairs

Drawing Title  
**REFLECTED CEILING PLANS**  
 Approved:  
**MILWAUKEE VA**

Phase  
**100% CONSTRUCTION DOCUMENTS**  
**NON-SPRINKLERED**

Project Title  
**INSTALL EMS BUILDING 102**  
 Location  
**MILWAUKEE VAMC**  
 Issue Date  
**24 JULY 2017**  
 Checked  
 Drawn

Project Number  
**695-17-108**  
 Building Number  
**BLDG 102**  
 Drawing Number  
**AS102**

A

B

C

D

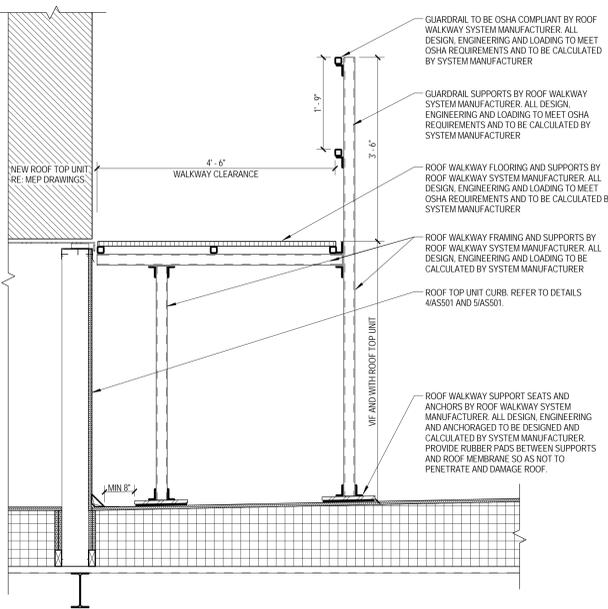
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F

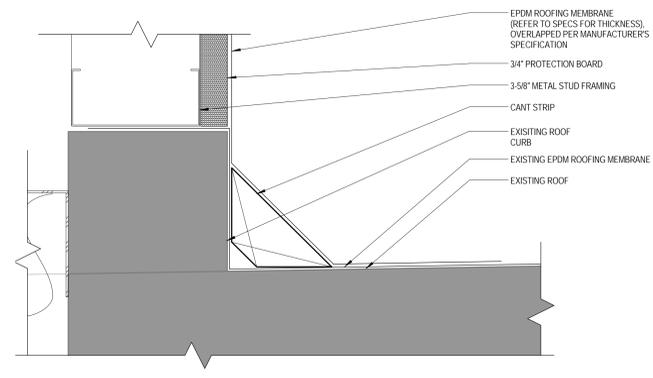
**DESIGN INTENT NOTE:**  
THE ROOF WALKWAY SYSTEM SHOWN ON THE DRAWINGS IS FOR REFERENCE AND DESIGN INTENT ONLY TO ILLUSTRATE REQUIRED CLEARANCES AND GENERAL ORIENTATION. ROOF WALKWAY SYSTEM IN ITS ENTIRETY SHALL BE DESIGNED, ENGINEERED AND FABRICATED BY THE ROOF WALKWAY SYSTEM MANUFACTURER AND SHALL BE OSHA COMPLIANT TO ALLOW FOR FULL MAINTENANCE OF THE NEW ROOF TOP UNIT. COORDINATE SIZE, SHAPE, CONFIGURATION, SUPPORTS AND STRUCTURAL STABILITY WITH ALL ADJACENT ROOF TOP UNIT ITEMS INCLUDING BUT NOT LIMITED TO THE ROOF TOP UNIT, DUCTWORK, PIPING AND OTHER SUPPORTS.

IF ROOF WALKWAY SYSTEM SUPPORTS ARE REQUIRED TO BE ANCHORED DIRECTLY TO ROOF STRUCTURE, CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ROOFING PENETRATIONS AND REQUIRED FLASHING DETAILS AROUND SUPPORTS TO PREVENT WATER INFILTRATION.

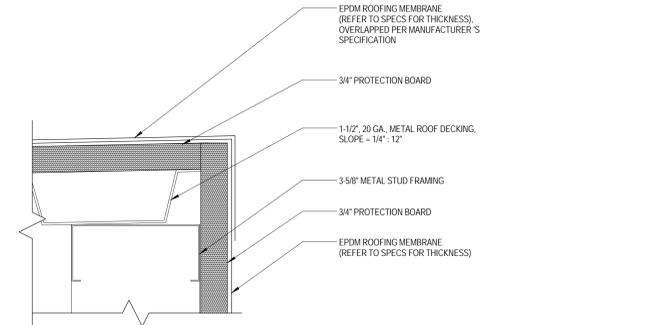
CONTRACTOR TO SUBMIT FOR APPROVAL SHOP DRAWINGS, SYSTEM DETAILS, PRODUCT DATA, AND ENGINEER CALCULATIONS FOR ROOF WALKWAY SYSTEM.



**8 ROOF WALKWAY SYSTEM SECTION**  
ASS01 SCALE: 3/4" = 1'-0"



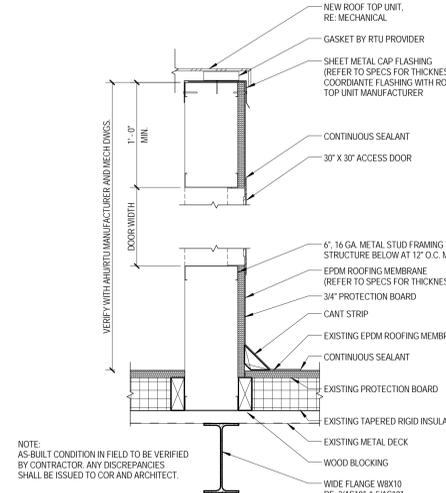
**7 EPDM ROOFING MEMBRANE @ CANT STRIP**  
ASS01 SCALE: 5/8" = 1'-0"



**4 EPDM ROOFING MEMBRANE DETAIL**  
ASS01 SCALE: 5/8" = 1'-0"

**DESIGN INTENT NOTE:**  
THIS DETAIL REPRESENTS AN EXTENDED HEIGHT ROOF TOP UNIT CURB PROVIDED BY THE CONTRACTOR THAT CONNECTS TO THE EXISTING ROOF STRUCTURE. THE NEW ROOF TOP UNIT IS TO BE CONNECTED TO THE NEW CURB PER MANUFACTURER RECOMMENDATION TO ENSURE PROPER FUNCTIONALITY AND WARRANTY. CONTRACTOR IS PERMITTED TO PROVIDE THE ENTIRE CURB BY ROOF TOP UNIT MANUFACTURER IF AVAILABLE.

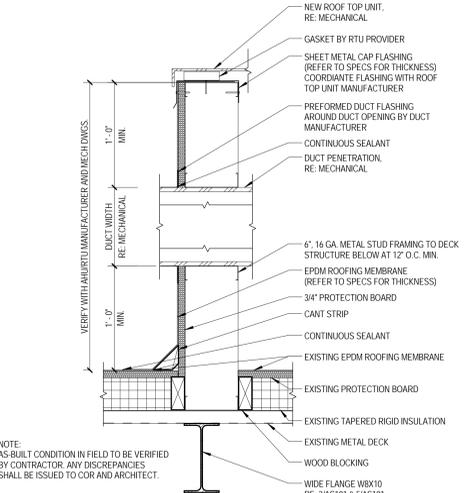
CONTRACTOR TO SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA AND ENGINEER CALCULATIONS FOR ROOF TOP UNIT CURB WHETHER PROVIDED BY CONTRACTOR OR ROOF TOP UNIT MANUFACTURER.



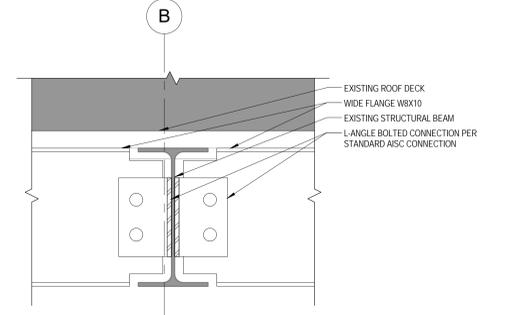
**5 ROOF CURB @ ACCESS DOOR DETAIL**  
ASS01 SCALE: 1/2" = 1'-0"

**DESIGN INTENT NOTE:**  
THIS DETAIL REPRESENTS AN EXTENDED HEIGHT ROOF TOP UNIT CURB PROVIDED BY THE CONTRACTOR THAT CONNECTS TO THE EXISTING ROOF STRUCTURE. THE NEW ROOF TOP UNIT IS TO BE CONNECTED TO THE NEW CURB PER MANUFACTURER RECOMMENDATION TO ENSURE PROPER FUNCTIONALITY AND WARRANTY. CONTRACTOR IS PERMITTED TO PROVIDE THE ENTIRE CURB BY ROOF TOP UNIT MANUFACTURER IF AVAILABLE.

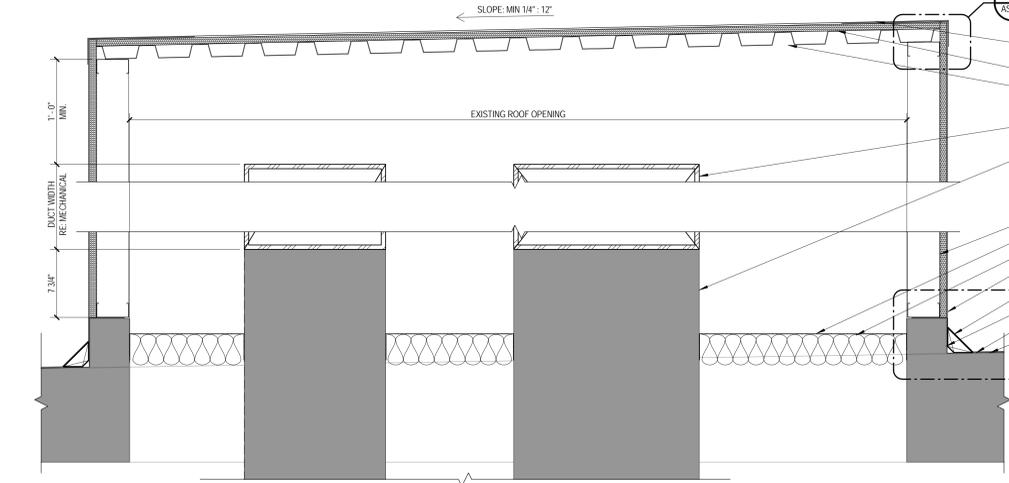
CONTRACTOR TO SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA AND ENGINEER CALCULATIONS FOR ROOF TOP UNIT CURB WHETHER PROVIDED BY CONTRACTOR OR ROOF TOP UNIT MANUFACTURER.



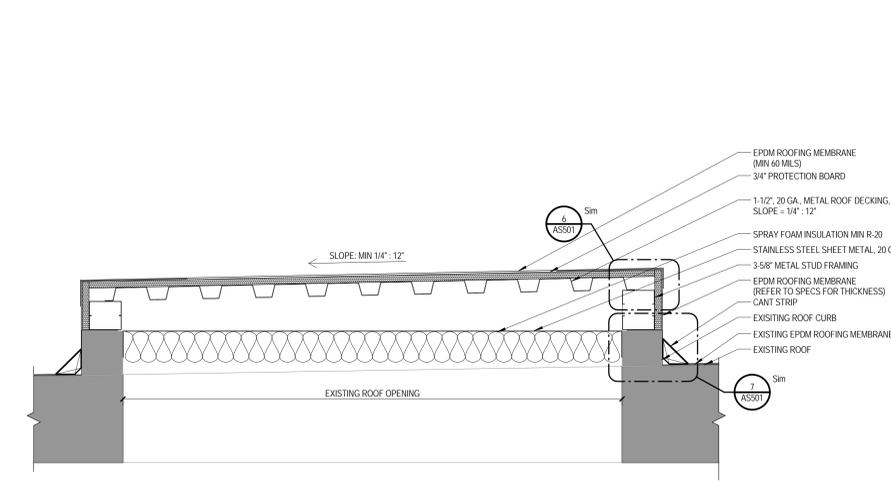
**4 ROOF CURB DETAIL**  
ASS01 SCALE: 1/2" = 1'-0"



**3 STEEL BOLTED CONNECTION DETAIL**  
ASS01 SCALE: 3/4" = 1'-0"



**2 ROOF DUCT PENETRATION COVER**  
ASS01 SCALE: 1/2" = 1'-0"



**1 ROOF OPENING COVER**  
ASS01 SCALE: 1/2" = 1'-0"

9/26/2017 11:56:00 PM  
F:\15-1045 - VA Milwaukee - AE DDC-2\Task 06 - AE Install DMS2 Drawings\2 - Architecture\1 - Rev\16 1045.06 MVA RTU Replacement Building 102  
P1004

Revisions:	Date:

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SUSTAINABLE ARCHITECTURE + ENGINEERING

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Office of Construction and Facilities Management  
VA U.S. Department of Veterans Affairs

Drawing Title  
**DETAILS**

Approved:  
**MILWAUKEE VA**

Phase  
**100% CONSTRUCTION DOCUMENTS**

NON-SPRINKLERED

Project Title  
**INSTALL EMS BUILDING 102**

Location  
**MILWAUKEE VAMC**

Issue Date  
**24 JULY 2017**

Checked  
**ETA**

Drawn  
**JP**

Project Number  
**695-17-108**

Building Number  
**BLDG 102**

Drawing Number  
**AS501**