04 - ARCHITECTURAL
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
A-001	INDEX OF DRAWINGS		
A-100	ROOF PLAN		
A-200	BUILDING ELEVATIONS		
A-300	ROOF SECTIONS		
A-301	ROOF SECTIONS		
A-302	ROOF SECTIONS		
A-500	ROOF DETAILS		
A-501	ROOF DETAILS		
A-502	ROOF DETAILS		
A-503	ROOF DETAILS		

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

Christopher J. Bonsignore, P.E.
2018.09.21 08:33:12-04'00'

TRANSPORTATION PRINCIPAL ENGINEER

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 9/21/2018

DESIGNER/DRAFTER: SMS

CHECKED BY: SMM

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FD_MSH_ARC_0160_0151_A001.dgn

SIGNATURE/ BLOCK:
OFFICE OF ENGINEERING

APPROVED BY:

PROJECT TITLE:
THE ROOF REPLACEMENT OF THE REPAIR FACILITY

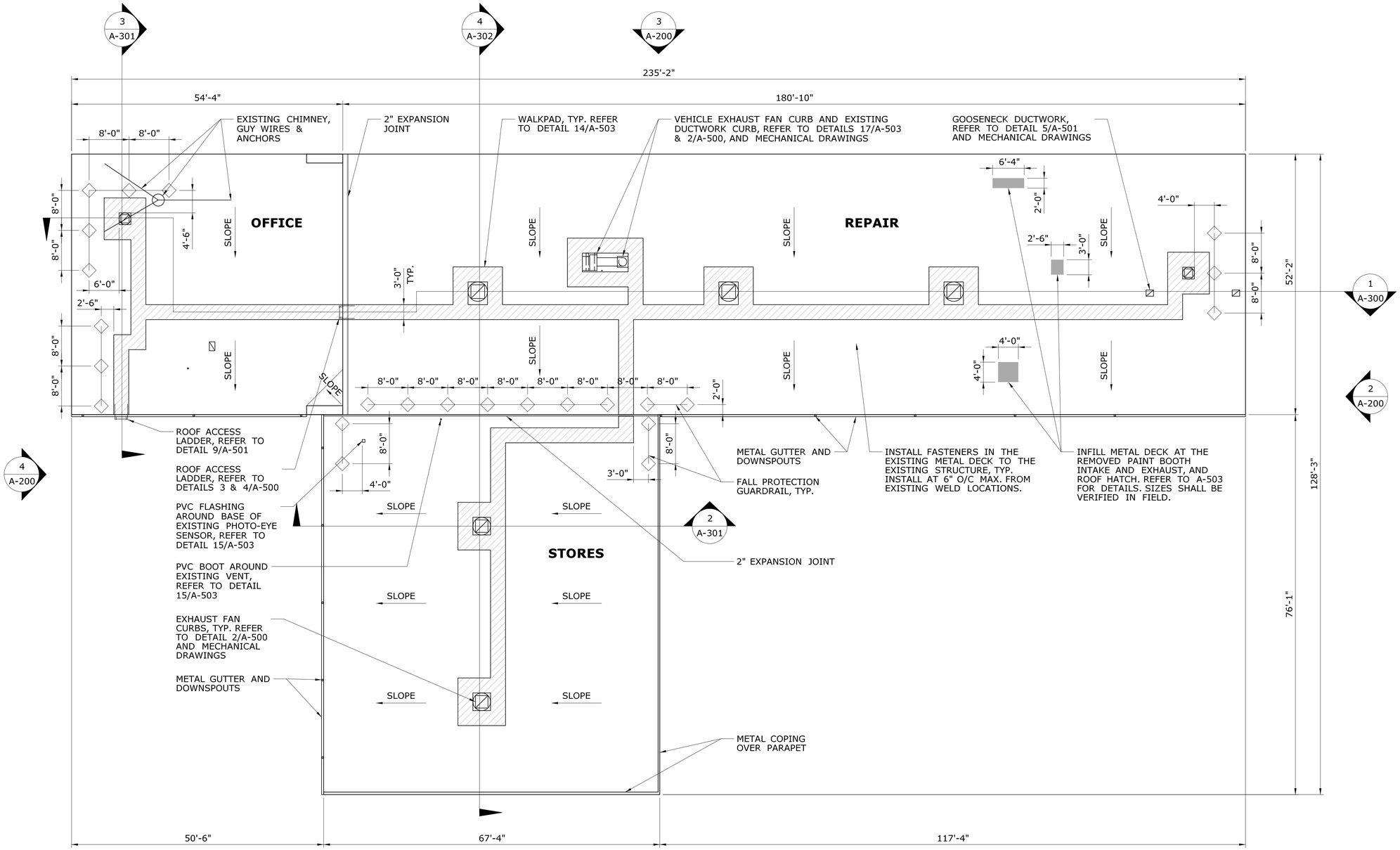
TOWN: WILLINGTON

DRAWING TITLE: INDEX OF DRAWINGS

PROJECT NO. 160-151

DRAWING NO. A-001

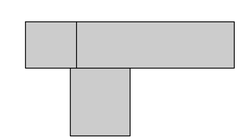
SHEET NO. 04.01



N
PLAN NORTH

NOTE:
1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS.

ROOF PLAN 1 / A-100
SCALE: 3/32" = 1'-0"



KEY PLAN

WIND PRESSURES:

OFFICE ROOF:		REPAIR ROOF:		STORES ROOF:	
FIELD:	47 PSF	FIELD:	51 PSF	FIELD:	51 PSF
PERIMETER (5.3 FT):	72 PSF	PERIMETER (5.3 FT):	78 PSF	PERIMETER (6.8 FT):	78 PSF
CORNER (5.3 FT X 5.3 FT):	103 PSF	CORNER (5.3 FT X 5.3 FT):	111 PSF	CORNER (6.8 FT X 6.8 FT):	111 PSF

WIND UPLIFT RATINGS:

OFFICE ROOF:		REPAIR ROOF:		STORES ROOF:	
FIELD:	105 PSF	FIELD:	105 PSF	FIELD:	105 PSF
PERIMETER (5.3 FT):	150 PSF	PERIMETER (5.3 FT):	165 PSF	PERIMETER (6.8 FT):	165 PSF
CORNER (5.3 FT X 5.3 FT):	210 PSF	CORNER (5.3 FT X 5.3 FT):	225 PSF	CORNER (6.8 FT X 6.8 FT):	225 PSF

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 9/13/2018

DESIGNER/DRAFTER: SMS
CHECKED BY: SMM
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

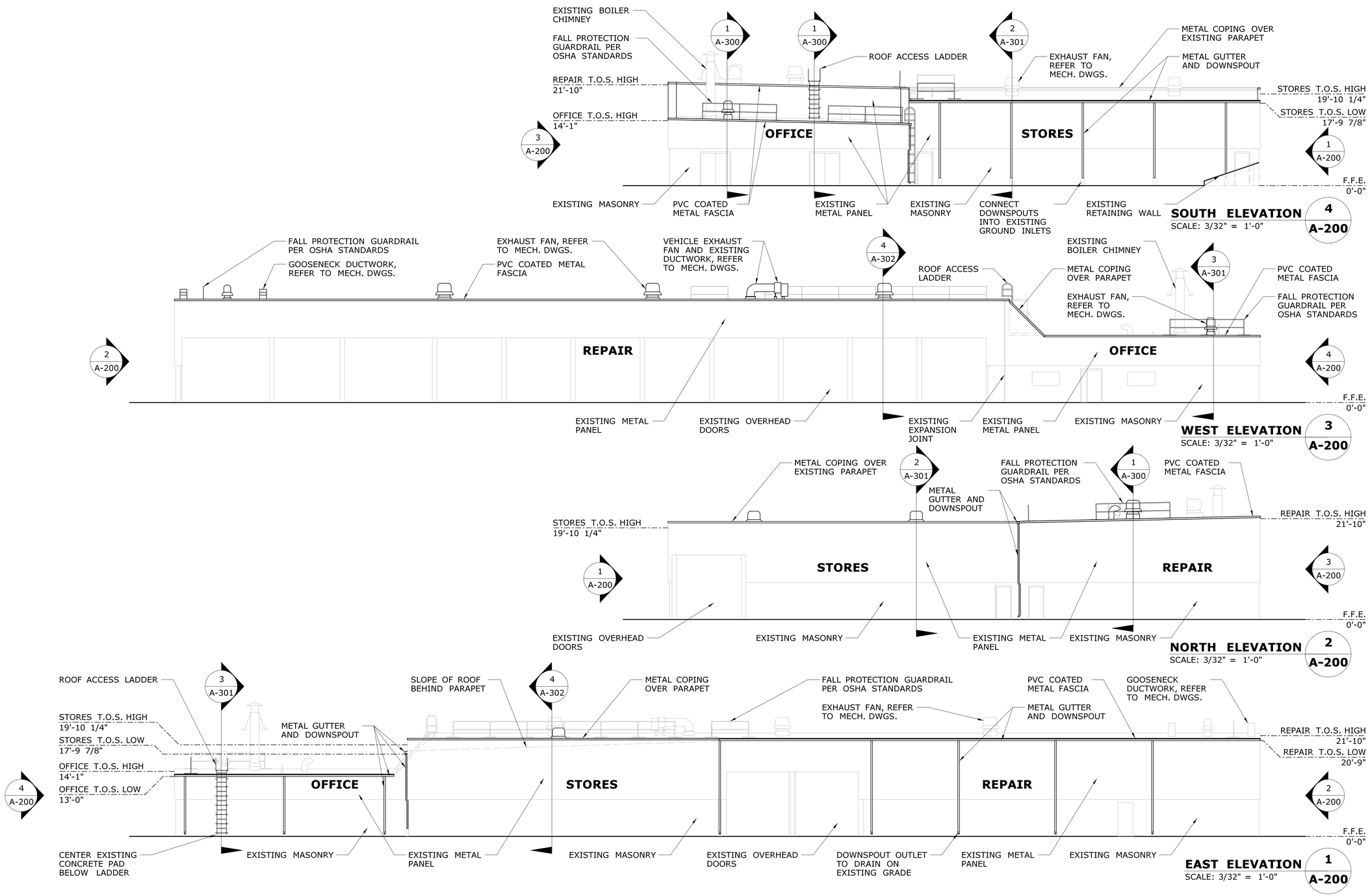
Filename: ...\FD_MSH_ARC_0160_0151_A100.dgn

SIGNATURE/ BLOCK:
OFFICE OF ENGINEERING
APPROVED BY:

PROJECT TITLE:
THE ROOF REPLACEMENT OF THE REPAIR FACILITY

TOWN: WILLINGTON
DRAWING TITLE: ROOF PLAN

PROJECT NO. 160-151
DRAWING NO. A-100
SHEET NO. 04.02



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 9/13/2018

DESIGNER/DRAFTER: SMS

CHECKED BY: SMM

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FD_MSH_ARC_0160_0151_A200.dgn

SIGNATURE/BLOCK: OFFICE OF ENGINEERING

APPROVED BY:

PROJECT TITLE: THE ROOF REPLACEMENT OF THE REPAIR FACILITY

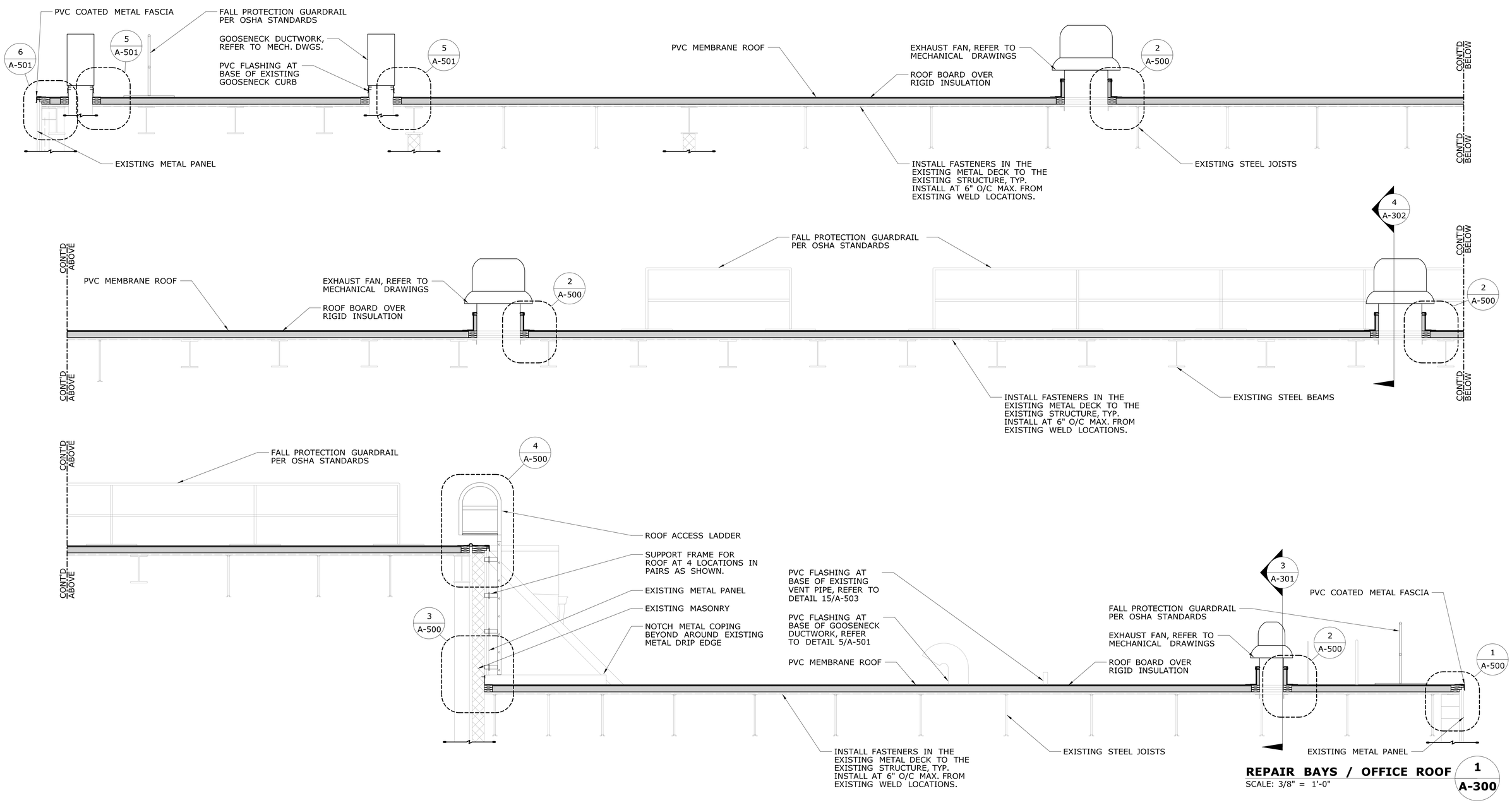
TOWN: WILLINGTON

DRAWING TITLE: BUILDING ELEVATIONS

PROJECT NO. 160-151

DRAWING NO. A-200

SHEET NO. 04.03



REPAIR BAYS / OFFICE ROOF 1 A-300

SCALE: 3/8" = 1'-0"

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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CHECKED BY: SMM

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FD_MSH_ARC_0160_0151_A300.dgn

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APPROVED BY:

PROJECT TITLE: THE ROOF REPLACEMENT OF THE REPAIR FACILITY

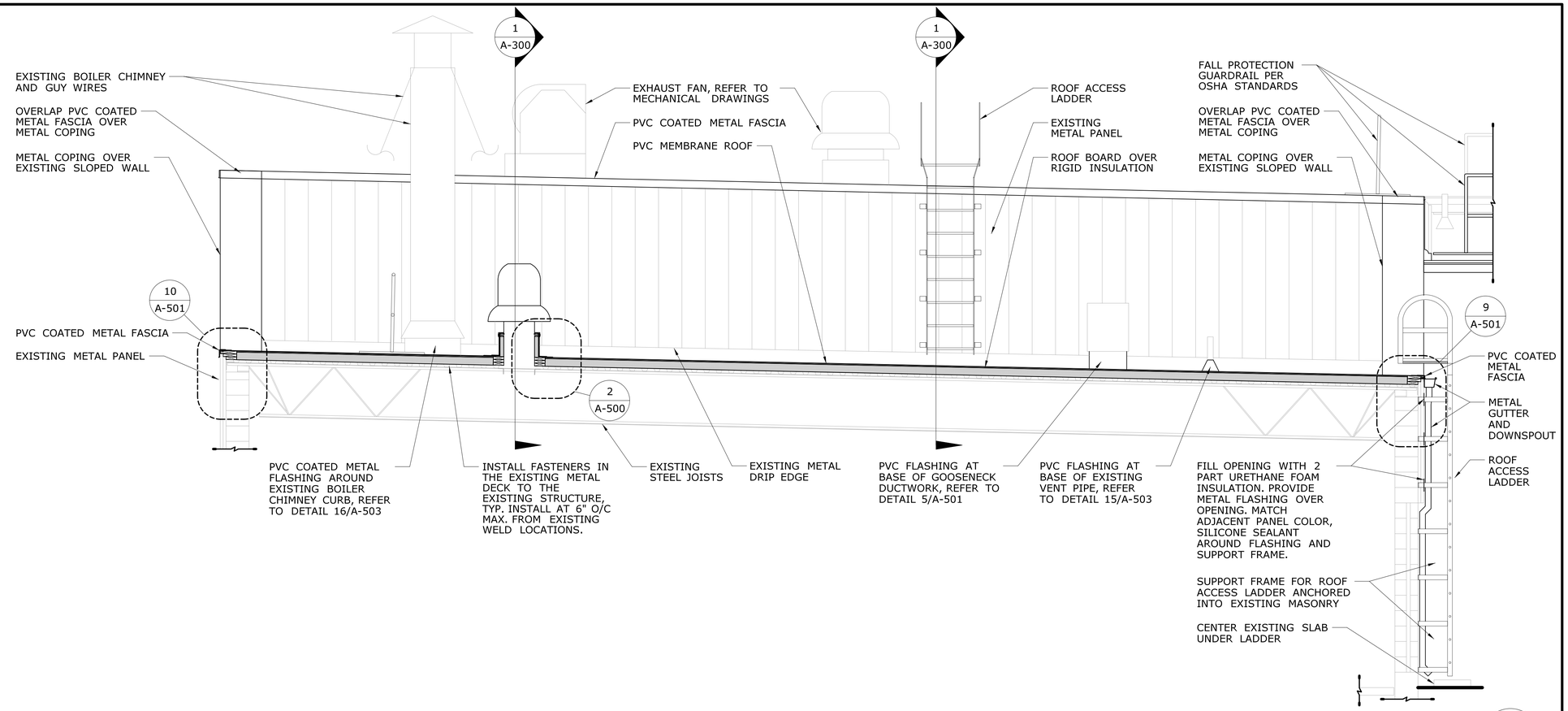
TOWN: WILLINGTON

DRAWING TITLE: ROOF SECTIONS

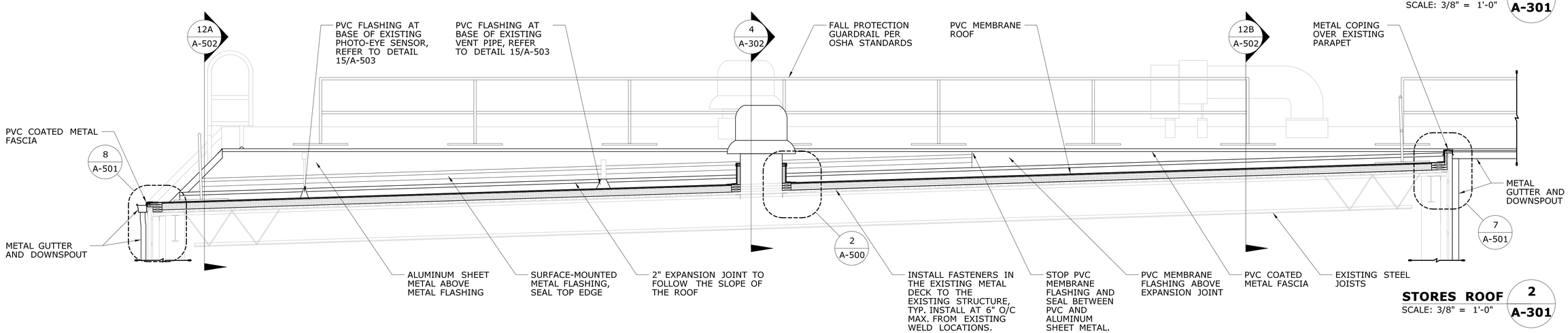
PROJECT NO. 160-151

DRAWING NO. A-300

SHEET NO. 04.04



OFFICE ROOF 3 / A-301
SCALE: 3/8" = 1'-0"



STORES ROOF 2 / A-301
SCALE: 3/8" = 1'-0"

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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SCALE AS NOTED

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Filename: ...\FD_MSH_ARC_0160_0151_A301.dgn

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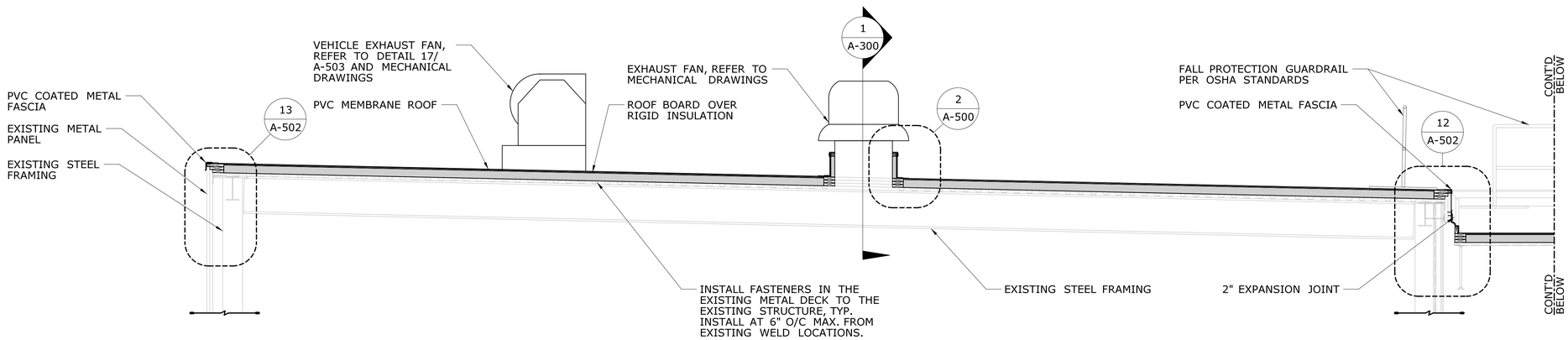
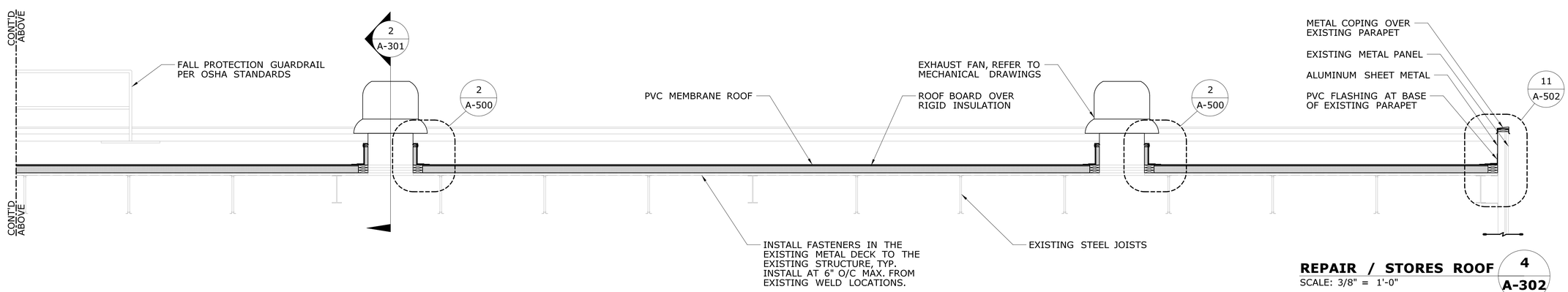
PROJECT TITLE:
THE ROOF REPLACEMENT OF THE REPAIR FACILITY

TOWN: WILLINGTON

DRAWING TITLE:
ROOF SECTIONS

PROJECT NO. 160-151
DRAWING NO. A-301
SHEET NO. 04.05





REPAIR / STORES ROOF 4 / A-302

SCALE: 3/8" = 1'-0"

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 9/13/2018

DESIGNER/DRAFTER: SMS

CHECKED BY: SMM

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FD_MSH_ARC_0160_0151_A302.dgn

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING

APPROVED BY:

PROJECT TITLE:

THE ROOF REPLACEMENT OF THE REPAIR FACILITY

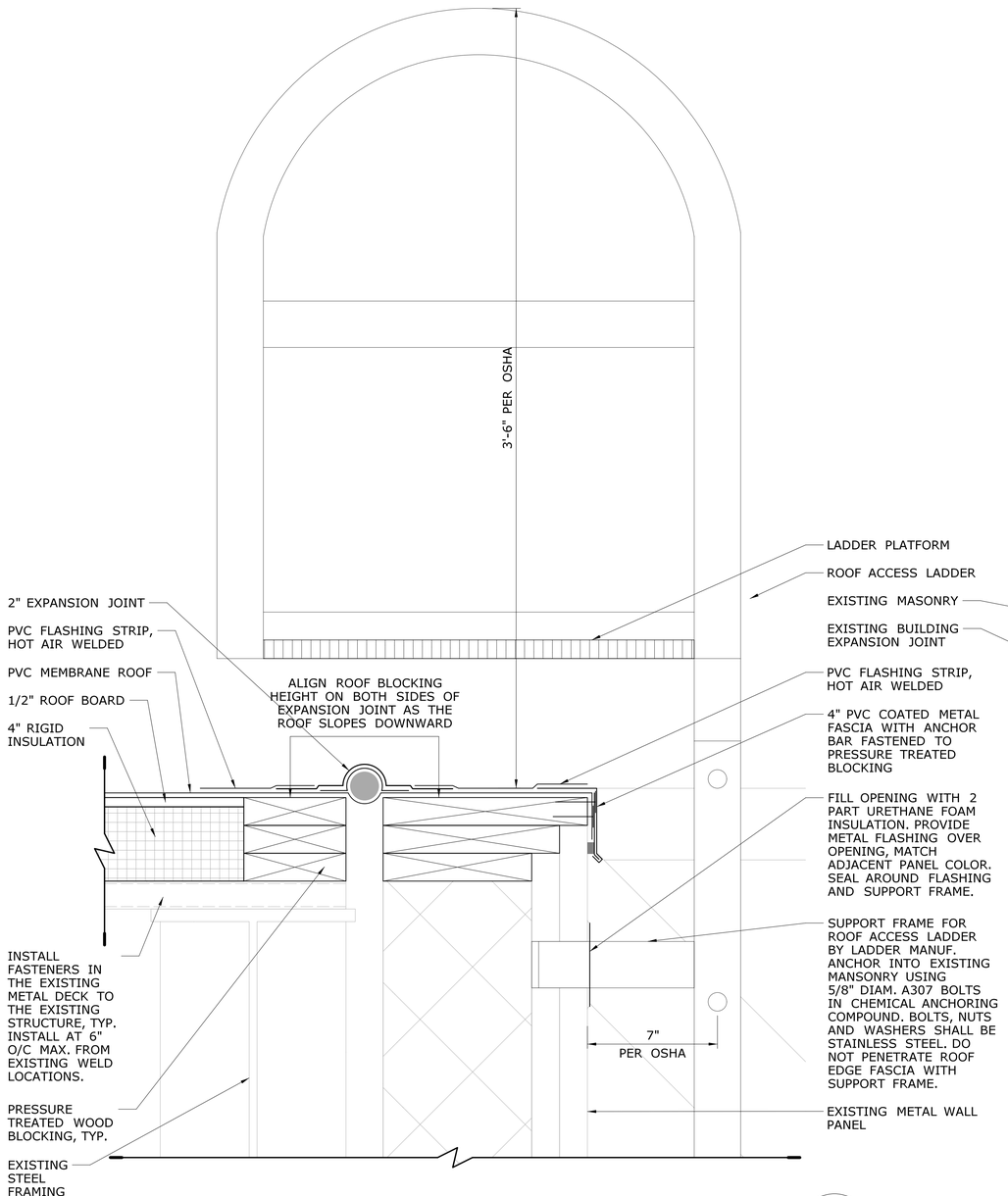
TOWN: **WILLINGTON**

DRAWING TITLE: **ROOF SECTIONS**

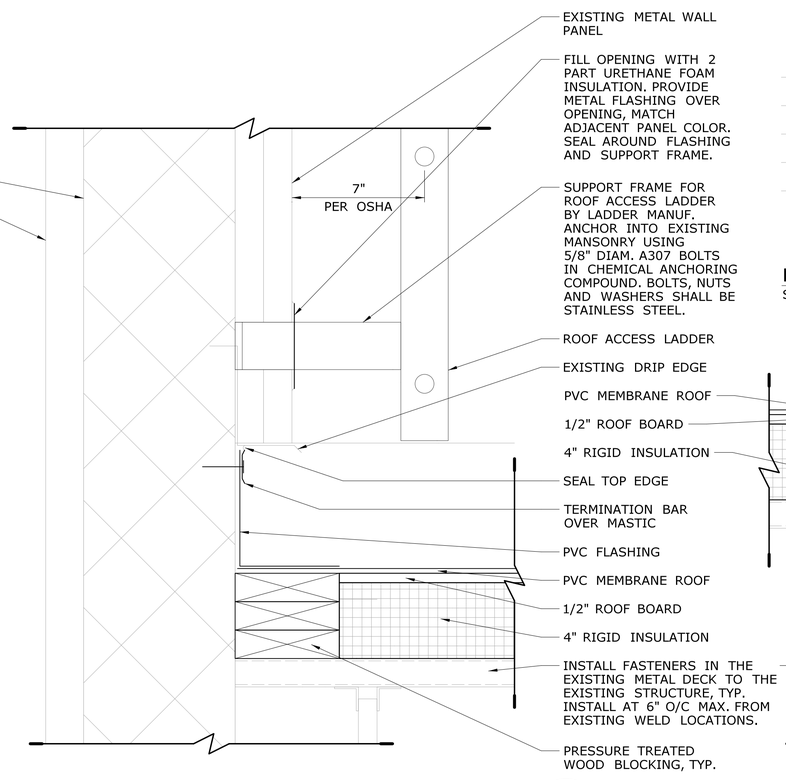
PROJECT NO. **160-151**

DRAWING NO. **A-302**

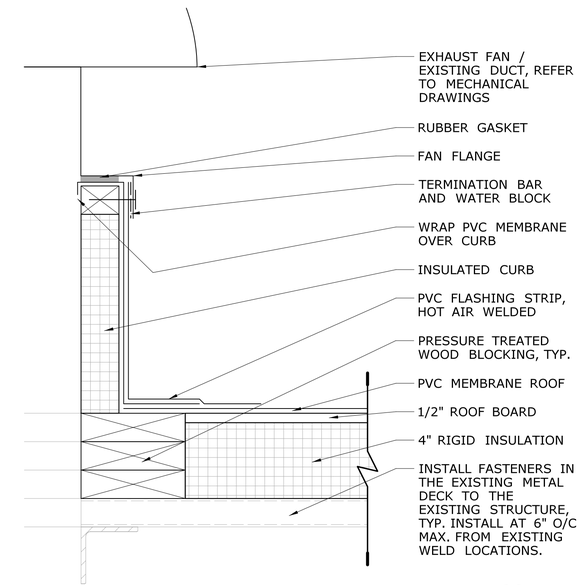
SHEET NO. **04.06**



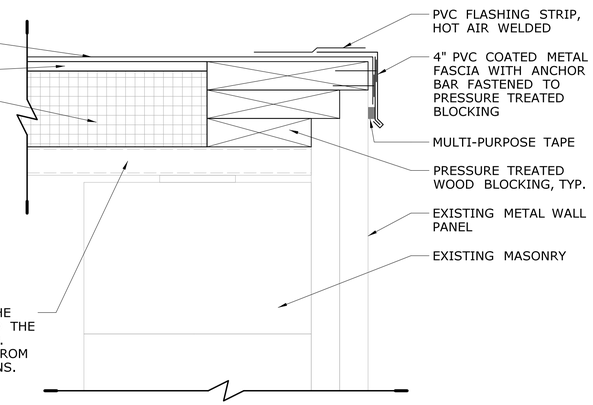
REPAIR ROOF EDGE DETAIL @ LADDER 4 / A-500
SCALE: 3" = 1'-0"



ROOF TRANSITION DETAIL @ LADDER 3 / A-500
SCALE: 3" = 1'-0"



EXHAUST FAN/EXIST. DUCT CURB DETAIL 2 / A-500
SCALE: 3" = 1'-0"



OFFICE ROOF EDGE DETAIL 1 / A-500
SCALE: 3" = 1'-0"

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Plotted Date: 9/13/2018

DESIGNER/DRAFTER: SMS
CHECKED BY: SMM
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FD_MSH_ARC_0160_0151_A500.dgn

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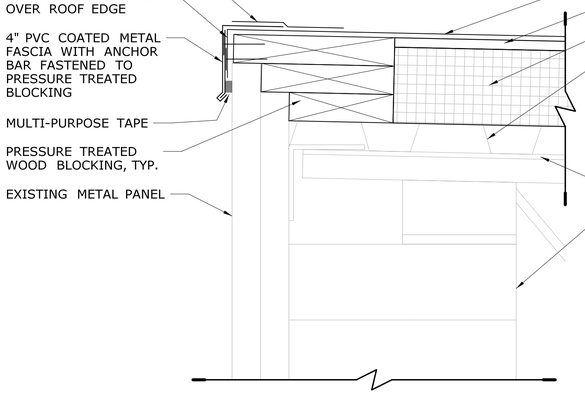
APPROVED BY:

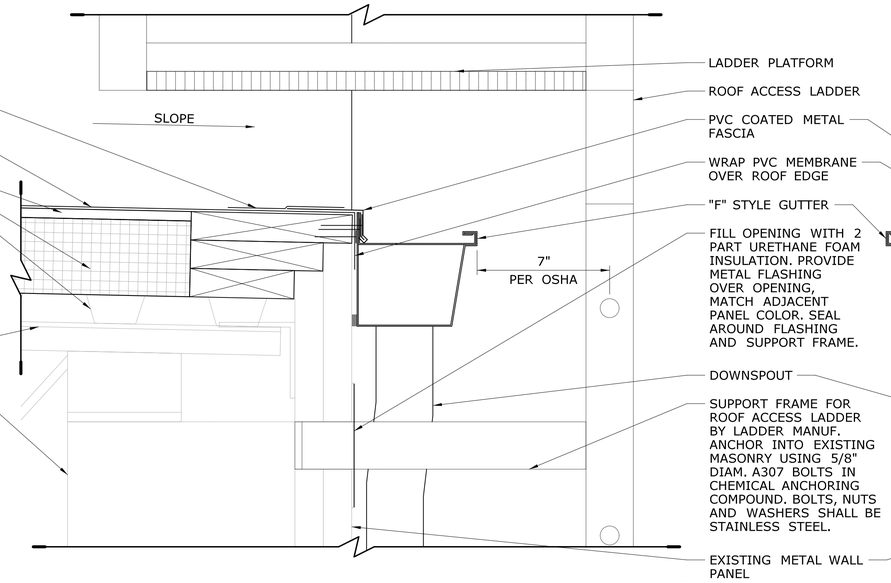
PROJECT TITLE: THE ROOF REPLACEMENT OF THE REPAIR FACILITY

TOWN: WILLINGTON
DRAWING TITLE: ROOF DETAILS

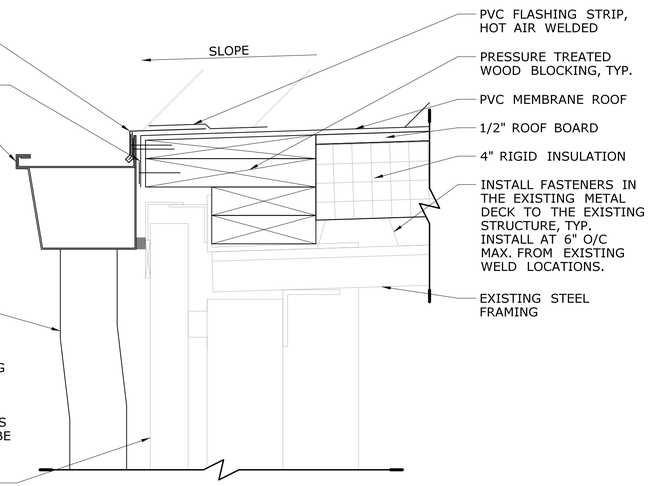
PROJECT NO. 160-151
DRAWING NO. A-500
SHEET NO. 04.07



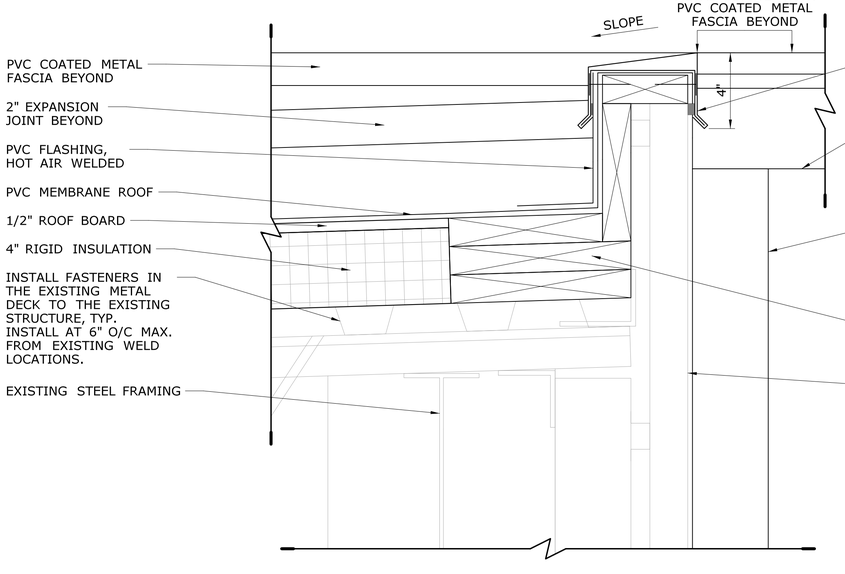
OFFICE ROOF EDGE FASCIA 10 / A-501
SCALE: 3" = 1'-0"



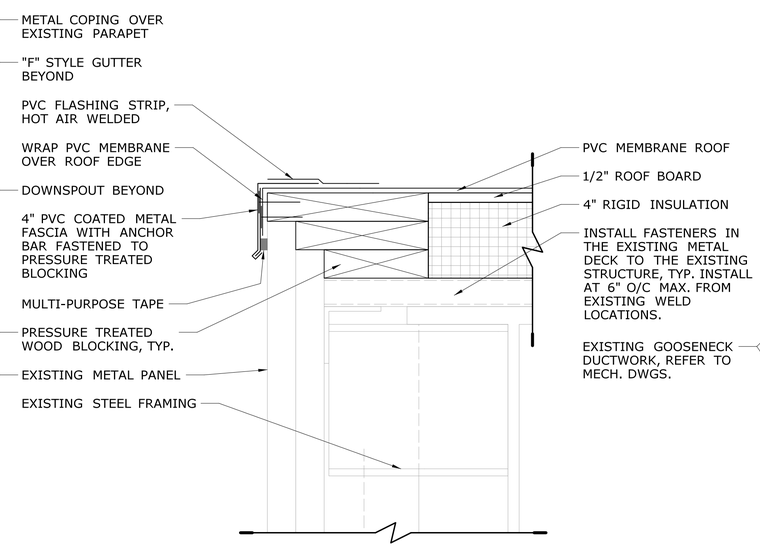
OFFICE GUTTER DETAIL @ LADDER 9 / A-501
SCALE: 3" = 1'-0"



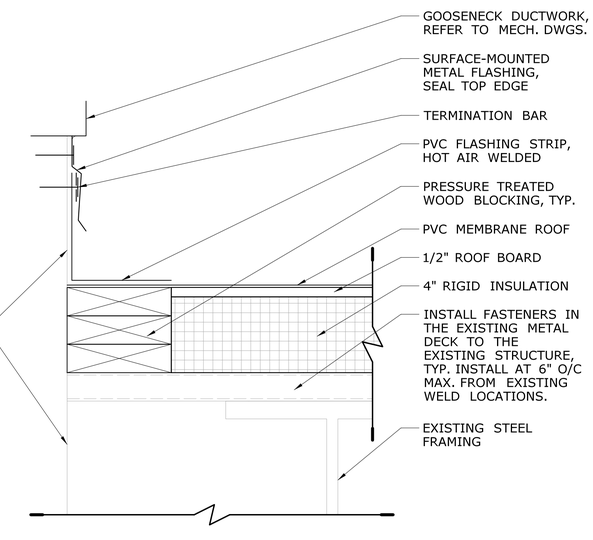
STORES GUTTER DETAIL 8 / A-501
SCALE: 3" = 1'-0"



STORES PARAPET EDGE 7 / A-501
SCALE: 3" = 1'-0"



ROOF EDGE DETAIL @ REPAIR 6 / A-501
SCALE: 3" = 1'-0"



GOOSENECK CURB DETAIL 5 / A-501
SCALE: 3" = 1'-0"

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 9/13/2018

DESIGNER/DRAFTER: SMS
CHECKED BY: SMM
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

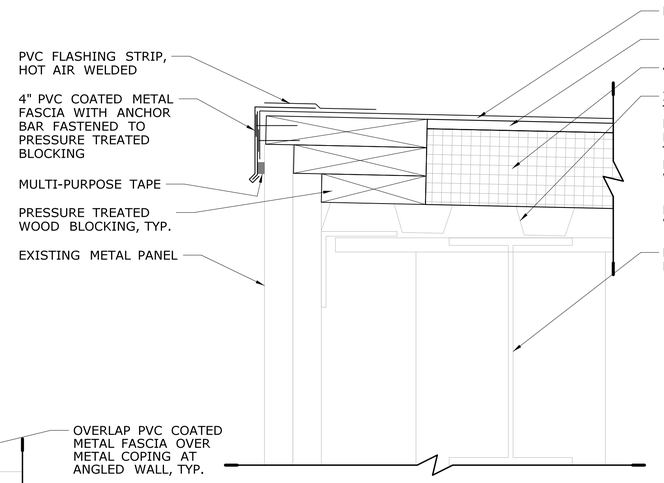
Filename: ...\FD..MSH..ARC..0160..0151..A501.dgn

SIGNATURE/ BLOCK:
OFFICE OF ENGINEERING
APPROVED BY:

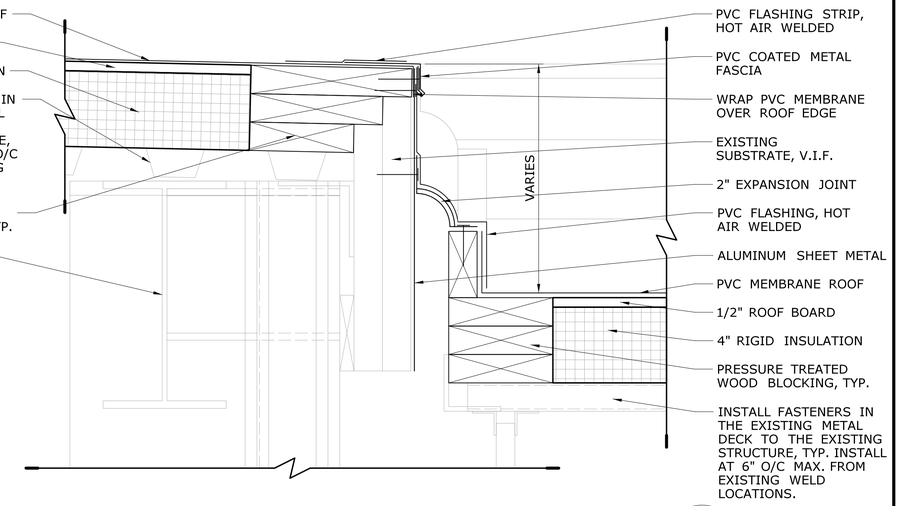
PROJECT TITLE:
THE ROOF REPLACEMENT OF THE REPAIR FACILITY

TOWN: WILLINGTON
DRAWING TITLE: ROOF DETAILS

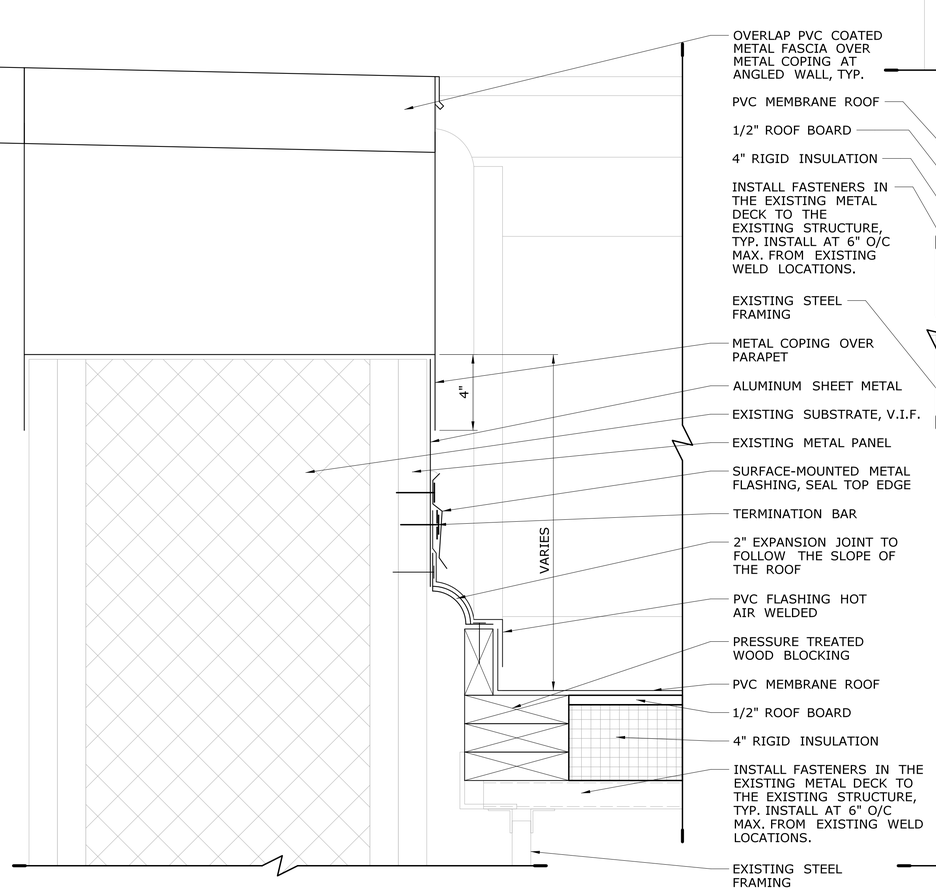
PROJECT NO. 160-151
DRAWING NO. A-501
SHEET NO. 04.08



REPAIR ROOF FASCIA DETAIL 13 / A-502
SCALE: 3" = 1'-0"



REPAIR / STORES EXPANSION JOINT DETAIL 3 12B / A-502
SCALE: 3" = 1'-0"



REPAIR / STORES EXPANSION JOINT DETAIL 2 12A / A-502
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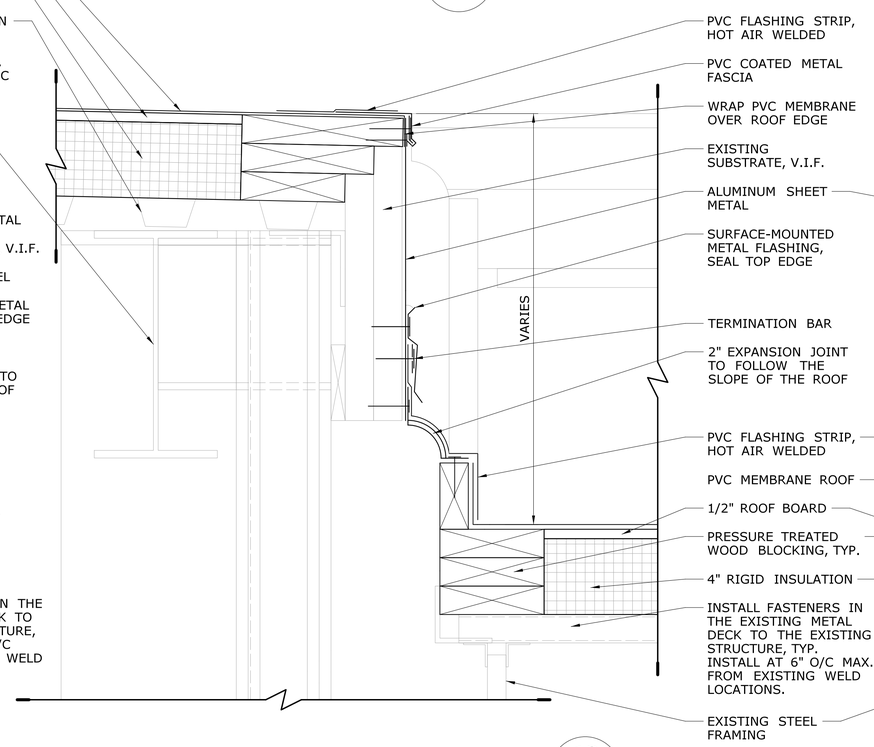
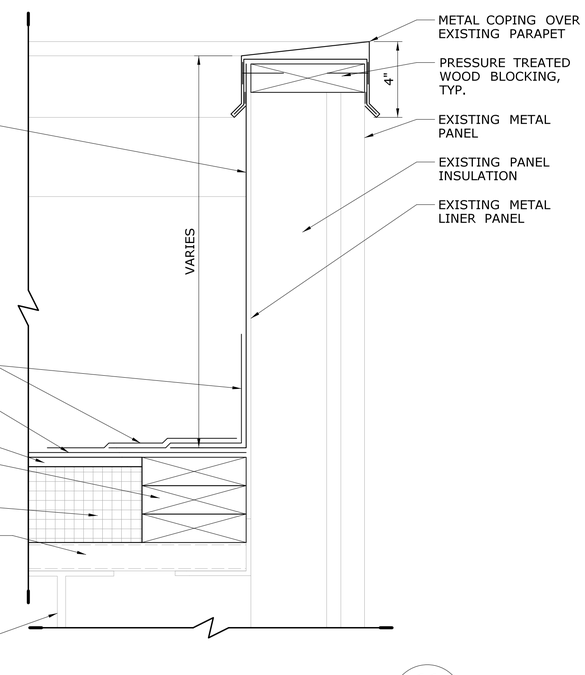


REPAIR / STORES EXPANSION JOINT DETAIL 12 / A-502
SCALE: 3" = 1'-0"



STORES PARAPET DETAIL 11 / A-502
SCALE: 3" = 1'-0"

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 9/13/2018

DESIGNER/DRAFTER: SMS
CHECKED BY: SMM
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FD_MSH_ARC_0160_0151_A502.dgn

SIGNATURE/BLOCK:
OFFICE OF ENGINEERING
APPROVED BY:

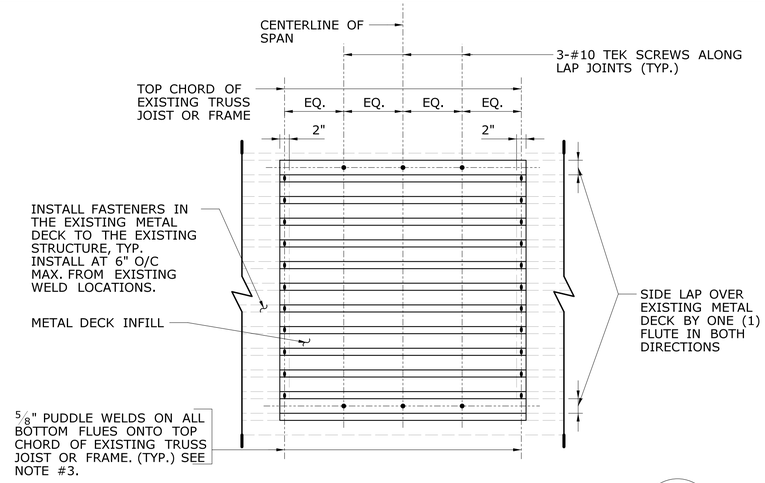
PROJECT TITLE:
THE ROOF REPLACEMENT OF THE REPAIR FACILITY

TOWN: WILLINGTON
DRAWING TITLE: ROOF DETAILS

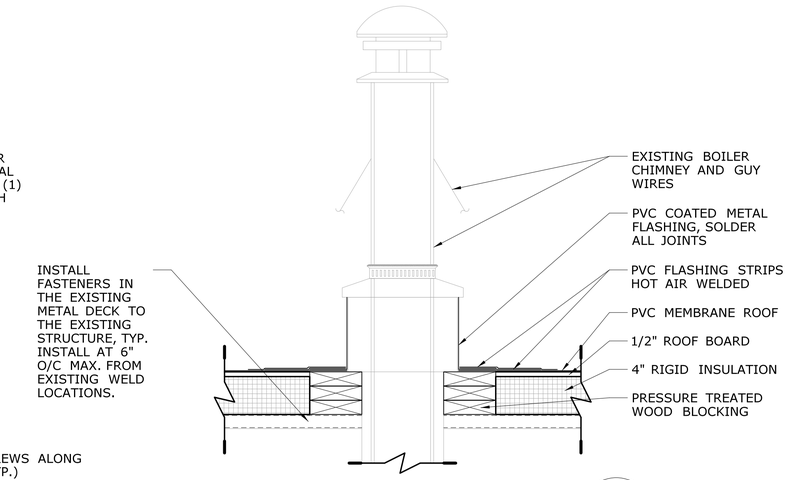
PROJECT NO. 160-151
DRAWING NO. A-502
SHEET NO. 04.09

NOTES FOR OPENINGS:

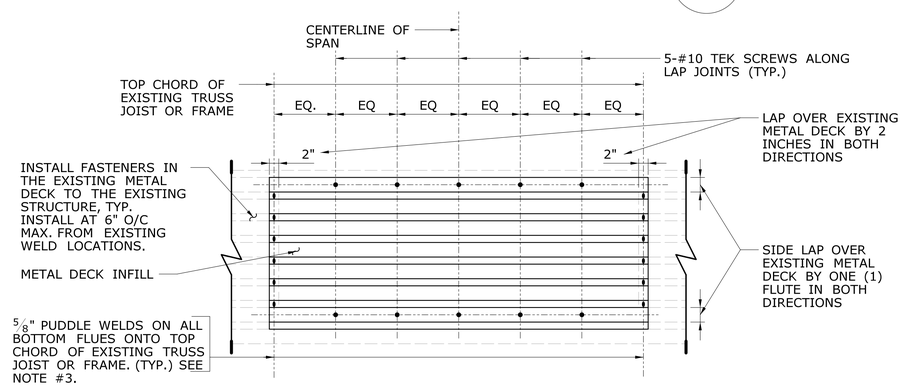
1. SIZES OF EXISTING DECK OPENINGS SHALL BE VERIFIED IN FIELD.
2. ALL OPENINGS SHALL BE INFILLED WITH A 1½" METAL DECK, 18 GAGE, TYPE B (MIN. YIELD STRENGTH OF 33 KSI.) WITH A CROSS SECTION (PROFILE) THAT WILL BE COMPATIBLE TO LAP AT ALL SIDES WITH THE EXISTING METAL DECK.
3. THE 5/8" PUDDLE WELDS MAY BE REPLACED WITH MECHANICAL FASTENERS OF SIMILAR SHEAR AND TENSION CAPACITIES AND SHALL BE INSTALLED IN THE SIMILAR SPACING AS SPECIFIED FOR THE PUDDLE WELDS.



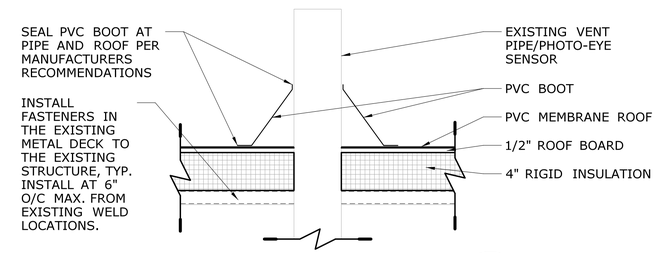
PAINT BOOTH EXHAUST & ROOF HATCH METAL DECK INFILL 19 / A-503
NOT TO SCALE



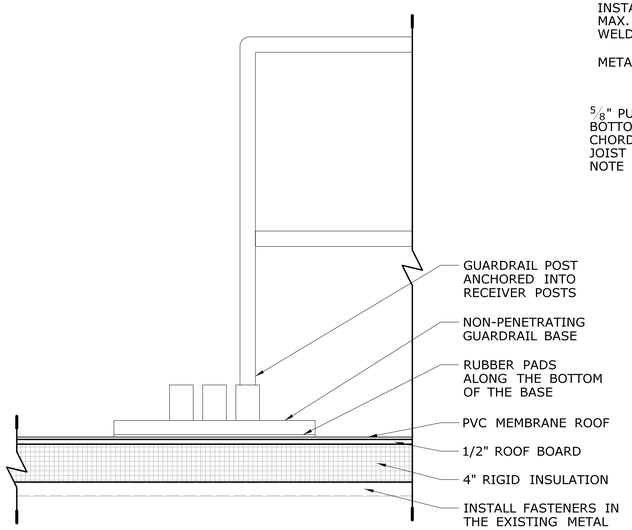
BOILER CHIMNEY FLASHING DETAIL 16 / A-503
SCALE: 1-1/2" = 1'-0"



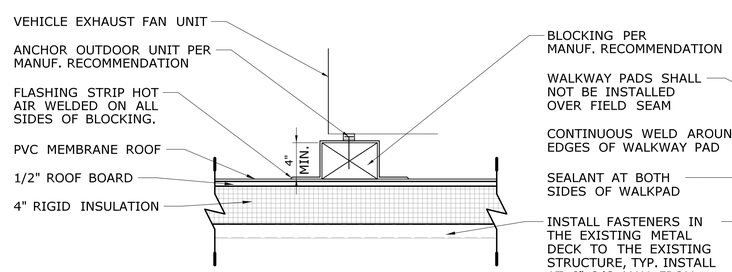
PAINT BOOTH INTAKE METAL DECK INFILL 18 / A-503
NOT TO SCALE



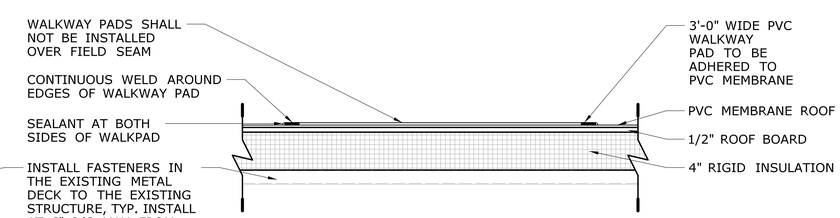
VENT/PHOTO-EYE FLASHING DETAIL 15 / A-503
SCALE: 1-1/2" = 1'-0"



GUARDRAIL BASE DETAIL 20 / A-503
SCALE: 1-1/2" = 1'-0"



VEHICLE EXHAUST FAN CURB DETAIL 17 / A-503
SCALE: 1-1/2" = 1'-0"



WALKWAY PAD DETAIL 14 / A-503
SCALE: 1-1/2" = 1'-0"

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DESIGNER/DRAFTER: SMS/RPL
CHECKED BY: SMM
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FD_MSH_ARC_0160_0151_A503.dgn

SIGNATURE/BLOCK: OFFICE OF ENGINEERING
APPROVED BY:

PROJECT TITLE: THE ROOF REPLACEMENT OF THE REPAIR FACILITY

TOWN: WILLINGTON
DRAWING TITLE: ROOF DETAILS

PROJECT NO. 160-151
DRAWING NO. A-503
SHEET NO. 04.10