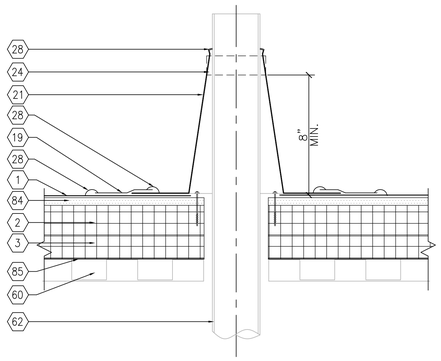
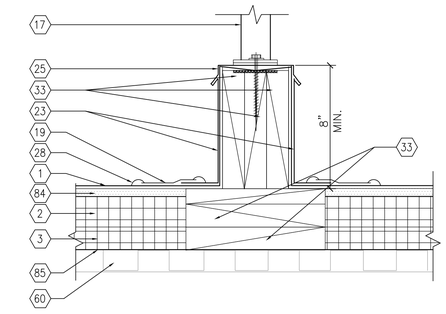


1 NEW WORK VENT STACK DETAIL
AS103 | AS403 SCALE: 3" = 1'-0" BUILDING: #511



2 NEW WORK MECHANICAL CURB DETAIL
AS103 | AS403 SCALE: 3" = 1'-0" BUILDING: #511

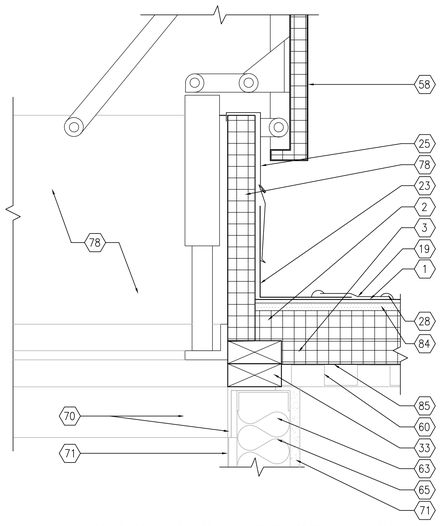
ROOFING DETAILS ARE GENERIC AND SHALL BE MODIFIED TO MEET WARRANTIES OF SELECTED ROOFING MANUFACTURER AND THEIR STANDARD DETAILS.

SCUPPER NOTE: SCUPPER SHALL BE FABRICATED PER SPECIFICATIONS AND TO MEET SMACNA SCUPPER DESIGN AND INSTALLATION DETAILS FIGURE 1-26. G.C. SHALL HAVE FULL SIZE SAMPLE SCUPPER FABRICATED OUT OF MATERIAL SPECIFIED AND SUBMIT TO THE VA AND ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO FABRICATING ALL OTHERS. SAMPLE MAY BE USED IN NEW CONSTRUCTION IF APPROVED AND IN GOOD LIKE NEW CONDITION.

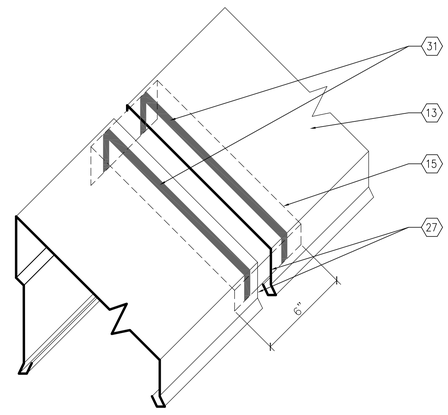
NEW WORK DETAIL NOTES

REFERS TO SHEETS AS401, AS402, AND AS403 (NOT ALL NOTES USED ON EACH SHEET)

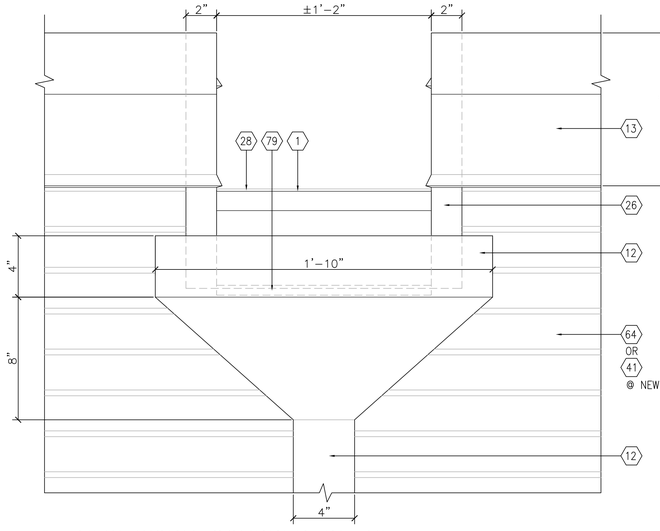
1. FULLY ADHERED SINGLE PLY 60 MIL. REINFORCED TPO ROOF MEMBRANE, LAP UP AND OVER PARAPET AS INDICATED DOWN ON BACK.
2. 2" NOMINAL RIGID INSULATION, R-14 MINIMUM
3. 1 1/2" NOMINAL RIGID INSULATION, R-10 MINIMUM
4. EXISTING RIGID INSULATION TO REMAIN
5. BATT. INSULATION, R-13 MINIMUM @ 4" STUDS, R-19 MINIMUM @ 6" STUDS W/ FSK VAPOR BARRIER TO INTERIOR SIDE
6. EXISTING CONCRETE SLAB TO REMAIN
7. 5/8" DENSDECK SHEATHING
8. 3/4" P.T. PLYWOOD SHEATHING
9. 5/8" TONGUE AND GROOVE P.T. PLYWOOD SHEATHING
10. METAL STUD TRACK, GAUGE AND SIZE TO MATCH EXISTING EXACTLY. INSTALL NEW SUPPORTING METAL STUDS IF REQUIRED TO CREATE NEW SCUPPER OPENING. CAREFULLY REMOVE GWB AND INSULATION ONLY AS NECESSARY TO INSTALL NECESSARY METAL STUDS AND PATCH EXISTING TO MAKE LIKE NEW. METAL STUDS SHALL MATCH EXISTING STUD GAUGE AND SIZE EXACTLY AND EXTEND FROM BOTTOM TRACK TO TOP TRACK OF PARAPET OR ROOF TRANSITION.
11. GALVANIZED TWO PIECE ADJUSTABLE LADDER TYPE MASONRY WALL TIES @ 24" O.C. MAX
12. ALUMINUM SCUPPER AND DOWNSPOUT. G.C. SHALL MOCK UP SAMPLE CONDUCTOR HEAD AND THRU WALL SCUPPER IN FIELD FOR REVIEW AND APPROVAL BY VA AND ARCHITECT PRIOR TO FABRICATING ALL UNITS. COLOR SHALL MATCH EXISTING CANOPY.
13. 0.060 PREFINISHED ALUMINUM BREAK METAL COPING, COLOR TO MATCH NEW SCUPPER AND DOWNSPOUT
14. ALUMINUM CLEAT
15. 6" WIDE 0.050 ALUMINUM SPLICE SEAM PIECE, COLOR TO MATCH NEW SCUPPER AND DOWNSPOUT
16. ADA ALUMINUM THRESHOLD, SET IN FULL BED OF SEALANT
17. NEW ROOF TOP UNIT, SEE SHEET AS103
18. STAINLESS STEEL THRU-WALL FLASHING WITH INTERGRAL FOAM SEAL AND ADHESIVE TOP (TOTAL FLASH BY MORTAR NET OR ARCHITECT APPROVED EQUAL)
19. SELF ADHERING RUBBERIZED MEMBRANE FLASHING
20. SELF ADHERING RUBBERIZED MEMBRANE FLASHING, LAP OVER BUILDING WRAP MIN 4" OVER EXISTING BUILDING WRAP OR NEW BITUMINOUS WATERPROOFING
21. STAINLESS STEEL BOOT FLASHING
22. EXISTING FOUNDATION
23. STAINLESS STEEL OR ALUMINUM BASE FLASHING
24. STAINLESS STEEL OR ALUMINUM CLAMPING RING
25. STAINLESS STEEL OR ALUMINUM FLASHING
26. NEW 0.060 PRE-FINISHED ALUMINUM WRAP WITH 2" LEGS OVER ROOF MEMBRANE
27. BUTT SEAM TOGETHER PER MANUFACTURER RECOMMENDED DETAILS
28. CONTINUOUS MEMBRANE SEALANT
29. TERMINATION BAR WITH CONTINUOUS SEALANT
30. CONTINUOUS BACKER ROD AND SEALANT
31. CONTINUOUS LAP SEAM SEALANT, ALL SIDES
32. BITUMINOUS WATERPROOFING
33. PROVIDE NEW F.R.T. OR P.T. WOOD BLOCKING AS REQUIRED
34. 2" AIR SPACE
35. MORTAR NET CAVITY PROTECTION (PART OF TOTAL FLASH SYSTEM)
36. FULL MORTAR JOINT WEEP HOLES @ 24" O.C. MAX, SEE SPECIFICATIONS
37. GALVANIZED METAL DOOR FRAME – GROUT SOLID
38. INSULATED GALVANIZED HOLLOW METAL DOOR W/ LOUVERS, SEE DOOR SCHEDULE FOR ADDITIONAL INFORMATION
39. CMU BEYOND
40. BRICK VENEER BEYOND
41. MODULAR BRICK VENEER AND MORTAR TO MATCH EXISTING EXACTLY
42. CONCRETE PAD, SEE CIVIL DRAWINGS
43. CONCRETE SLAB, TURNED DOWN ONTO FOUNDATION WALL, SEE STRUCTURAL DRAWINGS
44. 1/2" BOND BREAKER, SEE STRUCTURAL DRAWINGS
45. 4" POROUS FILL, SEE STRUCTURAL DRAWINGS
46. 4" CONCRETE SLAB, SEE STRUCTURAL DRAWINGS
47. CONCRETE FOOTING, SEE STRUCTURAL DRAWINGS
48. CMU BOND BEAM, SEE STRUCTURAL DRAWINGS
49. 8" CMU, SEE STRUCTURAL DRAWINGS
50. GROUT CMU SOLID, SEE STRUCTURAL DRAWINGS
51. STEEL PLATE, SEE STRUCTURAL DRAWINGS
52. STEEL ANGLE, SEE STRUCTURAL DRAWINGS
53. 2 1/2" 20 GAUGE METAL STUDS @ 16" O.C. MAX. INSTALL USING MANUFACTURER'S STANDARD CLIP ANGLE.
54. STEEL BEAM, SEE STRUCTURAL DRAWINGS
55. 1 1/2" METAL ROOF DECK, SEE STRUCTURAL DRAWINGS
56. INSTALL NEW METAL STUDS @16" O.C. MAX OR AS REQUIRED TO ACHIEVE LAYOUT WHERE EXISTING BUILDING ROOF TRANSITIONS TO ROOF OF ADDITION. CAREFULLY REMOVE GWB AND INSULATION ONLY AS NECESSARY TO INSTALL NECESSARY METAL STUDS AND PATCH TO MAKE LIKE NEW. METAL STUDS SHALL MATCH EXISTING STUD GAUGE AND SIZE EXACTLY AND EXTEND FROM BOTTOM TRACK TO TOP TRACK OF PARAPET OR ROOF TRANSITION.
57. INSTALL NEW 3"X3" STAINLESS STEEL BREAK METAL ANGLE OVER EXISTING BUILDING WRAP
58. REINSTALL SALVAGED METAL ROOF ACCESS HATCH
59. NEW CEILING TILES AND GRID
60. EXISTING 1 1/2" MTL. ROOF DECK, SEE STRUCTURAL DRAWINGS
61. LOCATION OF REMOVED STUDS, SEE NOTES THIS SHEET
62. NEW VENT PIPE OR EXISTING VENT PIPE TO REMAIN, SEE PLUMBING AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
63. EXISTING MTL. STUDS TO REMAIN
64. EXISTING BRICK VENEER TO REMAIN
65. EXISTING BATT INSULATION TO REMAIN
66. EXISTING MASONRY ANCHORS TO REMAIN
67. EXISTING BUILDING WRAP TO REMAIN
68. EXISTING 1/2" EXTERIOR SHEATHING TO REMAIN
69. EXISTING STEEL JOIST TO REMAIN
70. EXISTING STEEL SUPPORT TO REMAIN
71. EXISTING GWB TO REMAIN
72. DOOR FRAME ANCHORS, GROUT SOLID IN MASONRY
73. NEW 4" CMU, SEE STRUCTURAL DRAWINGS
74. EXISTING 8" CMU TO REMAIN
75. EXISTING 6" CMU TO REMAIN
76. NEW GALVANIZED STEEL GUARDRAIL, 1 1/2" DIAMETER MOUNTED TO STRUCTURE, SEE STRUCTURAL DRAWINGS
77. DUCT STRAPS AND HANGERS
78. ALUMINUM OR STAINLESS STEEL PREFABRICATED SHEET METAL INSULATED ROOF CURB
79. HEMMED SCUPPER EDGE PER FIGURE 1-26 SCUPPER DESIGN AND INSTALLATION DETAILS
80. 15 MIL. STEGGO VAPOR BARRIER WITH TAPED SEAMS.
81. FILL ENTIRE STUD CAVITY WITH BATT INSULATION.
82. 3/4" AC (F.R.T.) PLYWOOD PAINTED WHITE OVER METAL STUDS
83. 1/2" DIA. MASONRY ANCHORS WITH A MINIMUM EMBEDMENT OF 3" INTO CMU @18" O.C. AND AT EACH END OF NEW SCUPPER.
84. NEW 1/2" ISOGARD HD COVER BOARD
85. NEW VAPOR BARRIER BENEATH INSULATION ADHERED TO METAL DECK
86. NEW FIRE CAULK
87. NEW FIRE CAULK. FILL DECK FLUTES
88. NEW METAL STUDS TO MATCH EXISTING EXACTLY @16" O.C. MAX AS REQUIRED TO ACHIEVE ONE HOUR RATED WALL
89. NEW 5/8" GWB TYPE "X". CUT TO FIT DECK FLUTES
90. NEW LIGHT GAUGE ANGLE FOR ATTACHMENT OF GWB
91. REMOVE METAL STUDS ABOVE CEILING AS REQUIRED TO ACCOMMODATE NEW DUCTWORK AND TO ACHIEVE FIRE BARRIER.
92. NEW DUCTWORK, SEE MECHANICAL DRAWINGS
93. LINE OF METAL DECK ABOVE
94. NEW PIPE SLEEVE WITH 1 1/2" STD. GUARDRAIL POST TO EXTEND THROUGH ROOF AND ATTACH TO EXISTING STEEL JOIST, EXISTING OR NEW STEEL BEAM, SEE STRUCTURAL DRAWINGS
95. NEW STEEL ANGLE TO ATTACH PIPE SLEEVE TO EXISTING STEEL JOIST, SEE STRUCTURAL DRAWINGS
96. NEW STEEL ANGLE WELDED TO EXISTING OR NEW STEEL BEAM AND PIPE SLEVE, SEE STRUCTURAL DRAWINGS
97. STAINLESS STEEL CLAMPING RING W/ CONTINUOUS SEALANT OVER STAINLESS STEEL BOOT FLASHING WHERE PIPE SLEEVE EXTENDS THROUGH ROOF



3 NEW WORK ROOF ACCESS HATCH DETAIL
AS103 | AS403 SCALE: 3" = 1'-0" BUILDING: #511

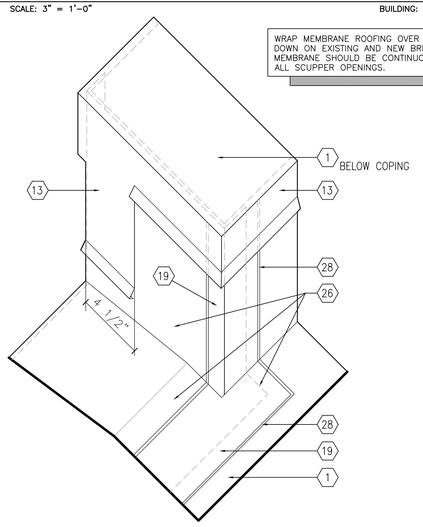


4 TYP. COPING DETAIL
AS103 | AS403 SCALE: 3" = 1'-0" BUILDING: #511



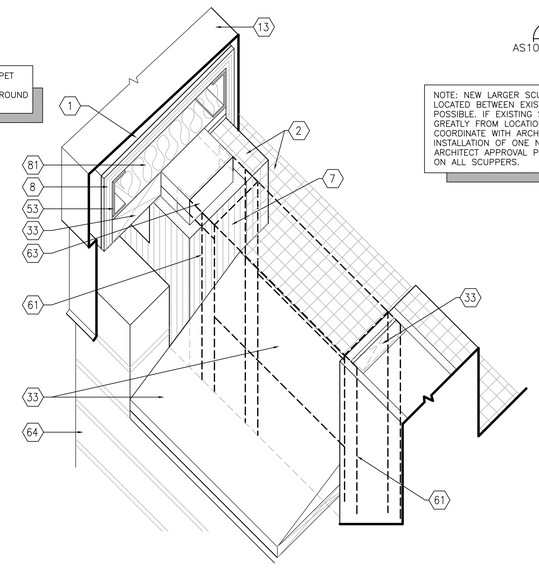
5 NEW WORK SCUPPER DETAIL
AS103 | AS403 SCALE: 3" = 1'-0" BUILDING: #511

WRAP MEMBRANE ROOFING OVER PARAPET DOWN ON EXISTING AND NEW BRICK. MEMBRANE SHOULD BE CONTINUOUS AROUND ALL SCUPPER OPENINGS.

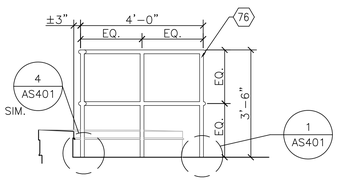


6 NEW WORK SCUPPER DETAIL
AS103 | AS403 SCALE: 3" = 1'-0" BUILDING: #511

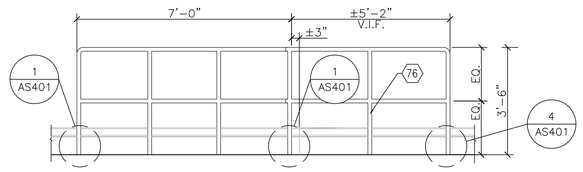
NOTE: NEW LARGER SCUPPER OPENING TO BE LOCATED BETWEEN EXISTING METAL STUDS IF POSSIBLE. IF EXISTING STUD LOCATION VARIES GREATLY FROM LOCATION INDICATED ON DRAWINGS COORDINATE WITH ARCHITECT. G.C. SHALL COMPLETE INSTALLATION OF ONE NEW SCUPPER FOR ARCHITECT APPROVAL PRIOR TO PERFORMING WORK ON ALL SCUPPERS.



7 NEW WORK SCUPPER DETAIL
AS103 | AS403 SCALE: 3" = 1'-0" BUILDING: #511



8 GUARDRAIL ELEVATION
AS103 | AS403 SCALE: 1/2" = 1'-0" BUILDING: #511



9 GUARDRAIL ELEVATION
AS103 | AS403 SCALE: 1/2" = 1'-0" BUILDING: #511

NEW WORK DETAILS LEGEND

- (X) NEW WORK TAG, SEE NOTES THIS SHEET
- EXISTING ITEM TO REMAIN
- NEW ITEM

Revision #1	
Revisions:	Date

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Drawing Title	Project Title	Project Number
NEW WORK DETAILS, NEW WORK DETAILS LEGEND, NEW WORK DETAILS NOTES AND GUARD RAIL ELEVATIONS	ROOF RENOVATION AND MECHANICAL ADDITION FOR THE RICHMOND YELLOW CLINIC	652-12-109
Approved: Project Director	Location: VAMC, RICHMOND, VIRGINIA	Building Number: 511
	Date: 03 - 30 - 12 / Checked: PG / Drawn: TS	Drawing Number: AS403 Dwg. 21 of 48

Office of Construction and Facilities Management
Department of Veterans Affairs

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