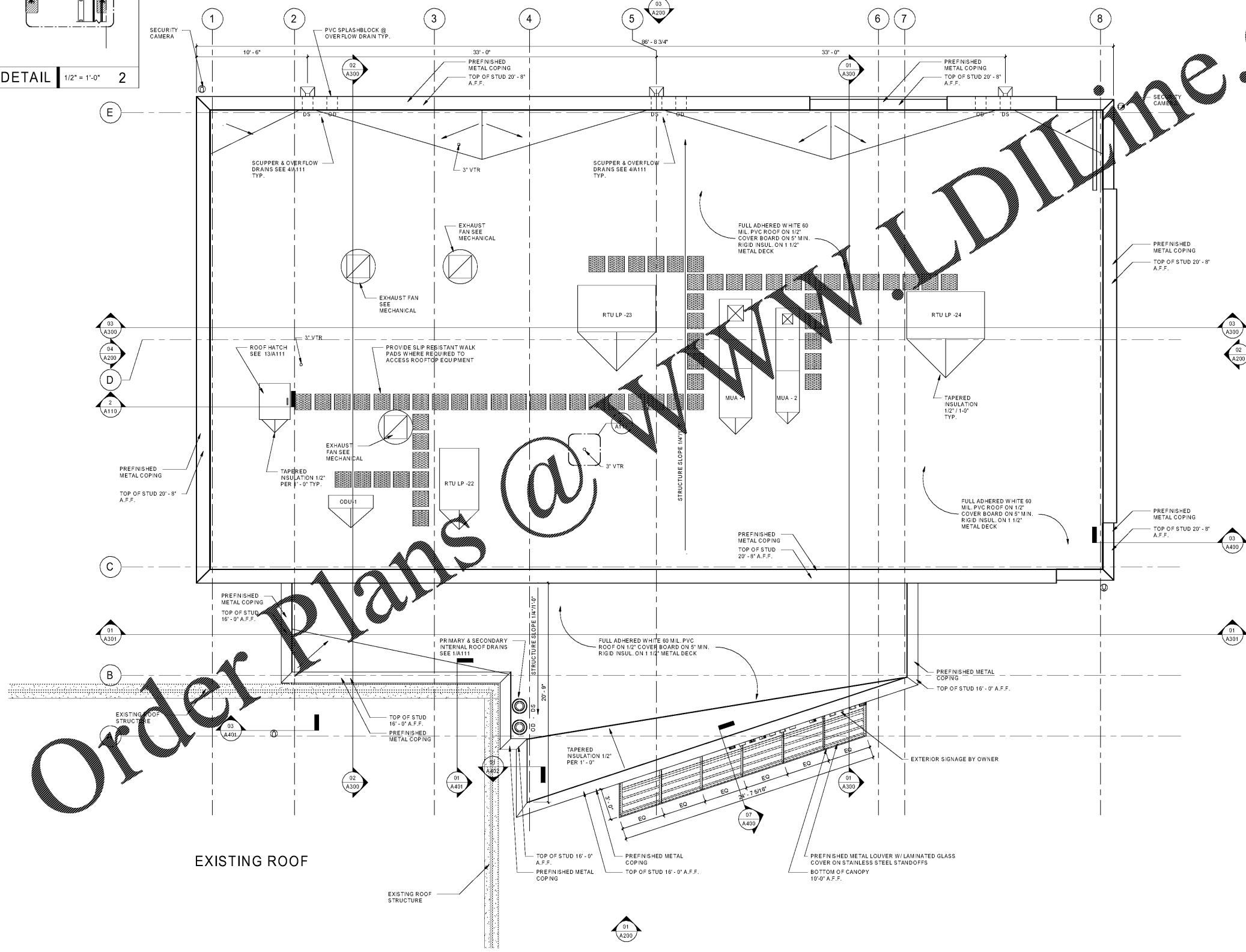


ROOF HATCH DETAIL 1/2" = 1'-0" 2



Order Plans @ WWW.LDILLINE.COM

**ROOF DRAINAGE CALCULATIONS:**  
 PRIMARY ROOF AREA  
 3691 SF (ROOF) + 335 SF (PARAPET) = 4026 SF  
 ROOF AREA/3 = 1342 SF PER DOWNSPOUT  
 NPCF FIGURE 1106.1(a) FOR 100 YR 60 MINUTE PRECIPITATION (4.0"): 16,104 g  
 THREE (3) 6" DIAMETER DOWNSPOUTS REQUIRED PER TABLE 1106.2(2)  
 THREE (3) 6" x 6" DOWNSPOUTS PROVIDED  
 NPCF FIGURE 1106.1 FOR 100 YR 150 MINUTE PRECIPITATION (7.2"): 28,989 g  
 THREE (3) 6" DOWNSPOUTS REQUIRED PER TABLE 1106.2(2)  
 THREE (3) 6" x 6" DOWNSPOUTS PROVIDED  
 SECONDARY AREA #1  
 810 SF ROOF + 88 SF PARAPET / 1 = 898 SF PER DOWNSPOUT  
 NPCF FIGURE 1106.1(a) FOR 100 YR 60 MINUTE PRECIPITATION (4.0"): 3,552 g  
 ONE (1) 4" DIA. DOWNSPOUT REQUIRED PER TABLE 1106.2(2)  
 ONE (1) 4" x 4" DOWNSPOUT PROVIDED  
 NPCF FIGURE 1106.1(a) FOR 100 YR 150 MINUTE PRECIPITATION (7.2"): 6,496 g  
 ONE (1) 6" DIA. DOWNSPOUT REQUIRED PER TABLE 1106.2(2)  
 ONE (1) 6" x 6" DOWNSPOUT PROVIDED

**ROOF GENERAL NOTES**  
 ALL DIMENSIONS TO BE FIELD VERIFIED. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, OBTAIN CLARIFICATION FROM ARCHITECT.  
 2. COORDINATE EXHAUST FAN AND MECHANICAL UNIT LOCATIONS WITH MECHANICAL AND ELECTRICAL CONTRACTORS.  
 3. SEE PLUMBING DRAWINGS FOR LOCATIONS OF ALL PLUMBING VENTS AND GAS PIPING (COORDINATE WITH ALL TRADES)  
 4. COORDINATE ALL PENETRATIONS THROUGH ROOF W/ STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL. PROVIDE ALL FLASHING AT PENETRATIONS PER SMACNA DETAILS UNLESS OTHERWISE NOTED.  
 5. ROOF CURBS FOR ALL MECHANICAL UNITS AND EQUIPMENT TO BE FURNISHED BY M.C. AND INSTALLED AND FLASHED BY G.C. UNLESS OTHERWISE NOTED.  
 6. G.C. WILL COORDINATE, LOCATE, AND INSTALL DRAINS AND CURBS. ROOFING CONTRACTOR SHALL FLASH AND SEAL ALL DRAINS, ROOF PENETRATIONS, ROOF EDGES, AND TERMINATIONS AS PART OF THIS CONTRACT ALL INCLUSIVE OF WARRANTY AS LISTED IN THE PROJECT MANUAL.  
 7. ROOF PLAN AND DETAILS ARE FOR GENERAL DESIGN INTENT. G.C. TO SUBMIT COMPLETE SHOP DRAWINGS SHOWING ALL CONSTRUCTION DETAILS AND LAYOUTS FOR A COMPLETE JOB ADHERING TO MANUFACTURERS' WARRANTIES.  
 8. PROVIDE ALL TAPERS AND CRICKETS FOR PROPER DRAINAGE.  
 9. SLOPE ALL ROOF AREAS AT A MIN. OF 1/4" PER FOOT UNLESS OTHERWISE NOTED.  
 10. ALL CONCEALED WOOD BLOCKING SHALL BE P.T. SECURE TO DECKING AND SUBSTRATE WITH ANCHOR BOLTS.  
 11. UNLESS NOTED OTHERWISE, PRIME & PAINT ALL EXPOSED STEEL MEMBERS W/ EXTERIOR GRADE HIGH PERFORMANCE COATINGS. SEE SPECIFICATIONS.  
 12. ALL SHEET METAL APPLICATIONS SHALL BE INSTALLED PER MCA's "THE ROOFING MANUAL" AND SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" SEVENTH EDITION APPROVED DETAILING, INCLUDING (BUT NOT LIMITED TO) COPING, STEP-FLASHING, METAL WALL FLASHING, ROOF PENETRATIONS  
 13. ALL RIGID INSULATION USED IN ROOF ASSEMBLIES SHALL MEET THE REQUIREMENTS OF UL 1256 AND FMG 4450.  
 14. DOWNSPOUTS FOR METAL CANOPIES SHALL BE SIZED BY METAL CANOPY MFR.  
 15. ROOF ACCESS LADDERS SHALL MEET OSHA AND BUILDING CODE REQUIREMENTS.  
 16. METAL GAUGES SHALL COMPLY WITH ANSIPRIS-1 REQUIREMENTS FOR SHOP FORMED METAL COPINGS.  
 17. ALL WOOD MEMBERS SHALL BE PRESERVATIVE TREATED.  
 18. ALL MECHANICAL EQUIPMENT, EXHAUST FANS, AND SKYLIGHTS SHALL BE ON ROOF CURBS. ALL ROOF CURBS SHALL BE INSULATED AND THE JOBS BENEATH ITEMS WITHIN THE CURB SPACE SHALL BE FILLED WITH INSULATION.  
 19. ALL CRICKETS ARE ANGLED 30 DEGREES MIN. UNLESS NOTED OTHERWISE.  
 20. ALL CRICKET SLOPES ARE 1/4" PER 1'-0" UNLESS NOTED OTHERWISE.  
 21. ALL OBJECTS GREATER THAN 24" IN WIDTH ACROSS SLOPE SHALL HAVE CRICKETS TO DIVERT WATER AROUND THEM.  
 22. ANYWHERE EXPOSED FASTENERS ARE USED IN THE ROOFING SYSTEM, COPING SYSTEM, EXPANSION JOINT SYSTEM, OR FLASHING SYSTEM, THEY SHALL UTILIZE SEALING WASHERS.

**adwarchitects**  
 environments for life  
 architecture planning interiors  
 2815 COLISEUM CENTRE DRIVE  
 SUITE 500  
 CHARLOTTE, NORTH CAROLINA 28217  
 P 704.379.1919  
 F 704.379.1920  
 www.adwarchitects.com



SCO #16-15889-02A

RICHMOND COMMUNITY COLLEGE

LINDSEY-PETRIS CAFETERIA/DINING ADDITION VOL.1

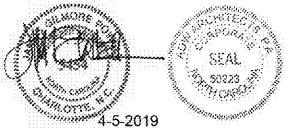
BID DOCUMENTS

ROOF PLAN

DATE: 04.05.2019  
 PROJECT NO: 16063

REVISIONS  
 NO. DATE: DESCRIPTION:

THIS DRAWING IS THE PROPERTY OF ADW ARCHITECTS, PA. AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR PART. IT SHALL NOT BE USED ON ANY OTHER PROJECT OR GIVEN TO ANY OTHER COMPANY OR AGENCY WITHOUT THE CONSENT OF ADW ARCHITECTS, PA.



4-5-2019  
 SHEET NUMBER