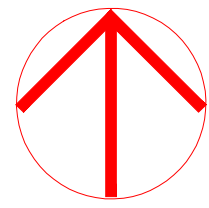


NORTH (magnetic)



Charles Washington Hall RENOVATIONS

Corner of George & Washington Streets
Charles Town, W.Va.

For the
City of Charles Town
City of Ranson

Planning & Engineering (prime)
Hall Planning & Engineering, Inc
316 Williams Street
Tallahassee, FL 32303

Landscape Architecture
Stromberg/Garrigan & Assoc., Inc.
102 E. Main Street-The Penn Bldg
Somerset, PA 15501

Historic Preservation & Architecture
Landmarks SGA, LLC
102 E. Main Street-The Penn Bldg
Somerset, PA 15501

Structural Engineer
R.L. Silman Associates
1053 31st Street NW
Washington D.C. 20007

Mech/Elect Engineer
Comfort Design, Inc.
620 Pennsylvania Avenue
Winchester, VA 22601

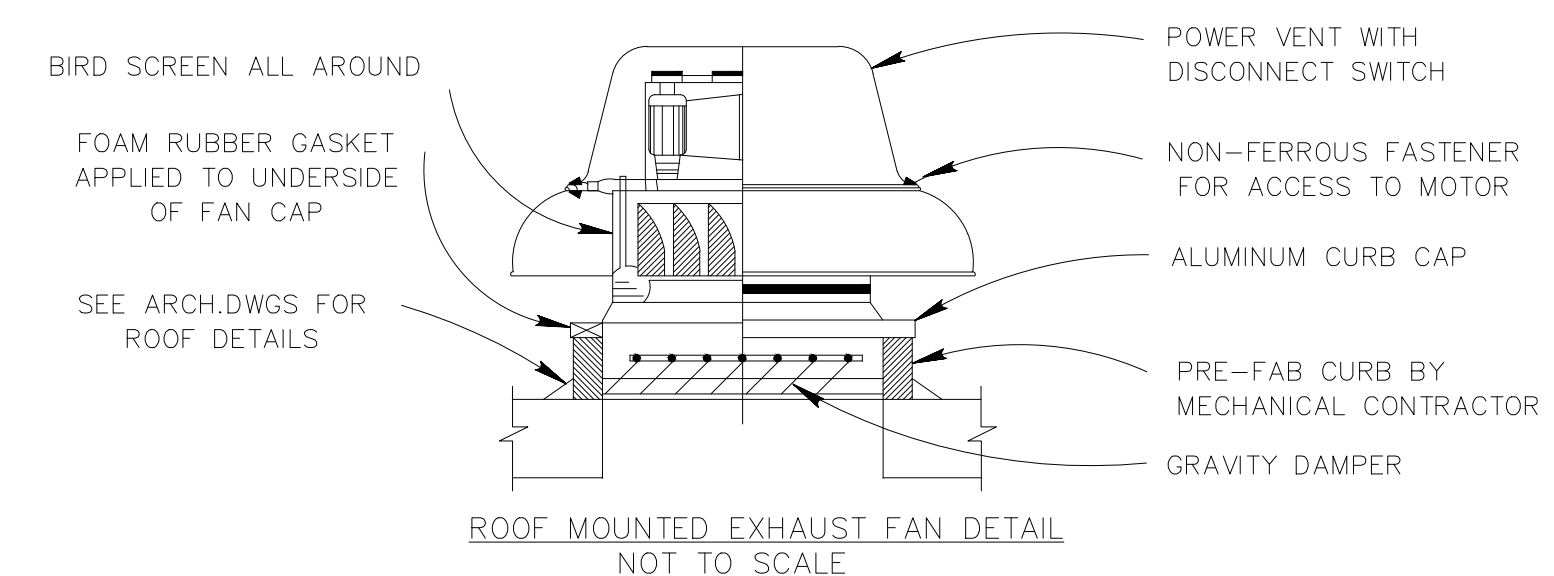
Architect
GROVE & DALL'OLIO
ARCHITECTS^{PLLC}
220 WEST KING • MARTINSBURG, WEST VIRGINIA • 25401

Issue/Revision	Seal
1	REVISED VRF MARCH 4, 2015

Drawing Title
**Balcony Level
Mechanical Plan**

Date 9/26/14
Scale 1/4"=1'0" Project Number 11105
Drawing Number

M2.4

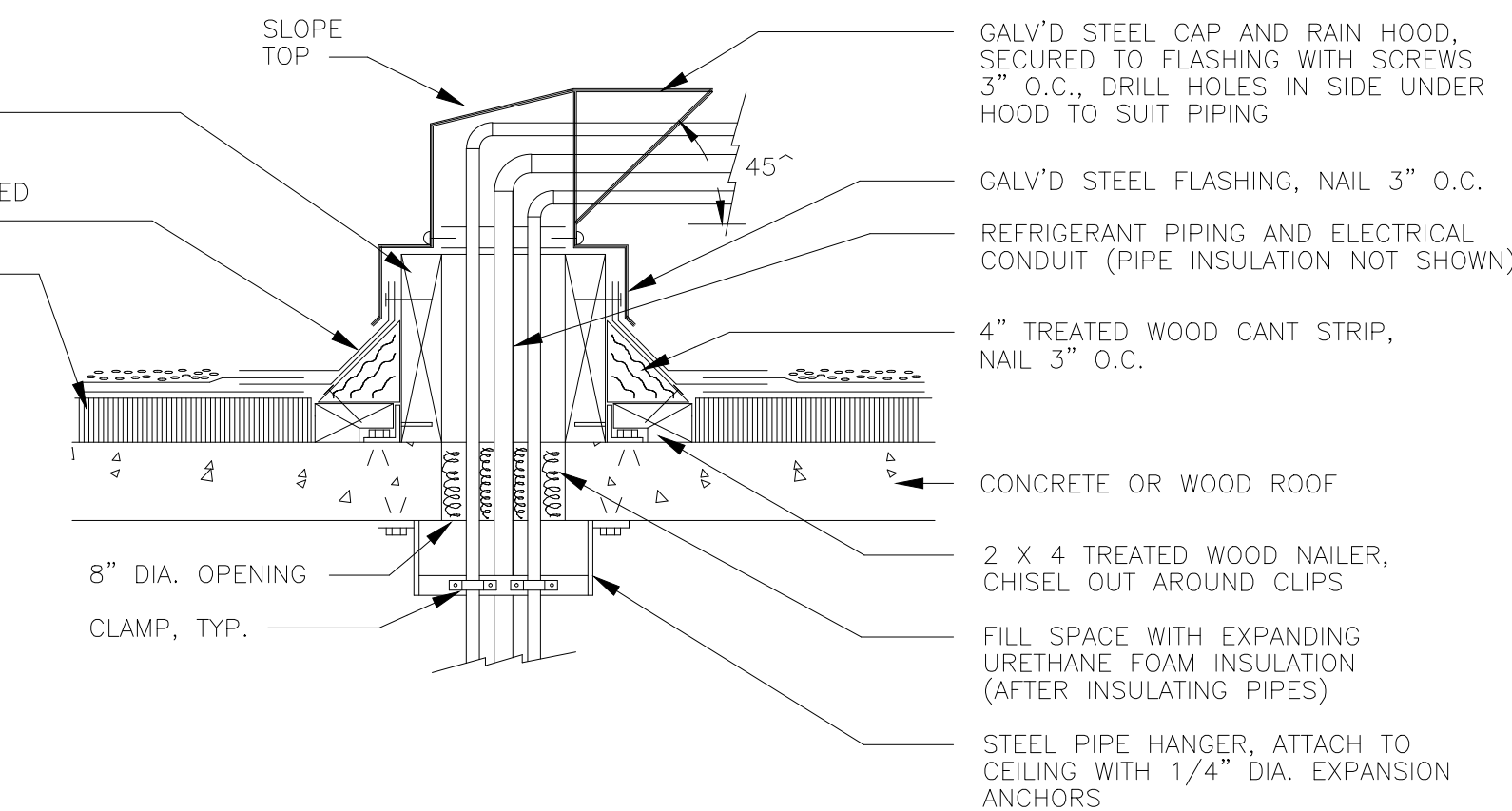


NOTE: RUN ALL AHU-7 DUCTWORK ABOVE CEILING & RUN IN ROOF JOISTS AS REQUIRED. COORD. W/ G.C. & ARCHITECT FOR INTERFERENCE ISSUES.

2 X 10 TREATED WOOD BLOCKING, SECURE TO ROOF WITH STEEL ANGLE CLIPS USING 1/4" DIA. LAG SCREWS AND EXPANSION ANCHORS

2 LAYERS OF 15 LB. FELT STRIPPING, SET IN PLASTIC CEMENT AND INTERLACED WITH EXISTING ROOFING

INSULATION AND BUILT-UP ROOFING



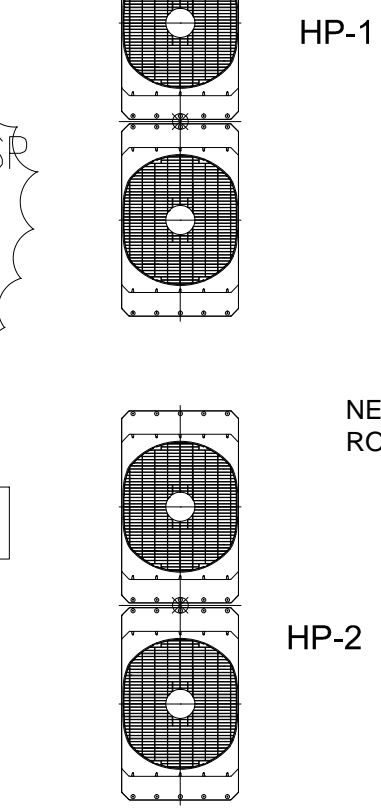
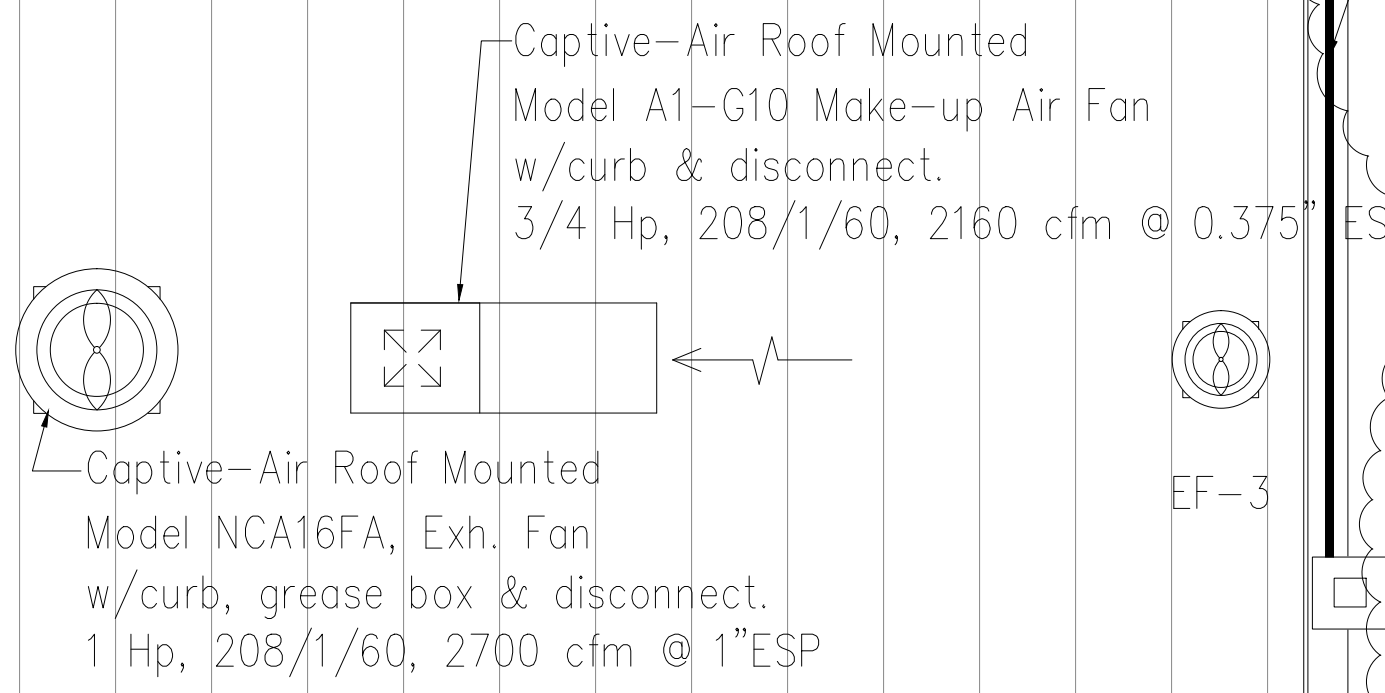
DETAIL - PIPING & CONDUIT ROOF PENETRATION TYP.
N.T.S.

- INSTALLATION SEQUENCE
1. CORE DRILL THE HOLE THROUGH THE ROOF.
 2. INSTALL THE BLOCKING, CANT, ROOFING, AND FLASHING AS INDICATED.
 3. INSTALL THE PIPE HANGER SUPPORT.
 4. INSTALL THE VERTICAL SECTIONS OF THE NEW PIPES AND PROVIDE AN ELBOW AND A SHORT LENGTH OF HORIZONTAL PIPING ON EACH PIPE.
 5. INSULATE THE INSTALLED SUCTION LINE REFRIGERANT PIPE.
 6. INSTALL THE PORTION OF ELECTRICAL CONDUIT THAT WILL PASS THROUGH THE NEW ROOF OPENING AND HOODED FLASHING CAP.
 7. DRILL THREE SEPARATE HOLES IN THE HOODED FLASHING CAP FOR THE TWO PIPES AND ONE ELECTRICAL CONDUIT.
 8. INSTALL THE HOODED FLASHING CAP.
 9. CAULK AROUND THE PIPE AND CONDUIT HOLES IN THE CAP AND ALSO ALL FLASHING SEAMS.
 10. SPRAY URETHANE FOAM INSULATION IN THE VOID SPACE AROUND THE PIPES IN THE HOLE THROUGH THE ROOF.
 11. INSTALL REMAINING PIPING AND CONDUIT.

SEE DIFFUSER/REGISTER SCHEDULE FOR BRANCH RUNOUT SIZES TYPICAL

Elevator

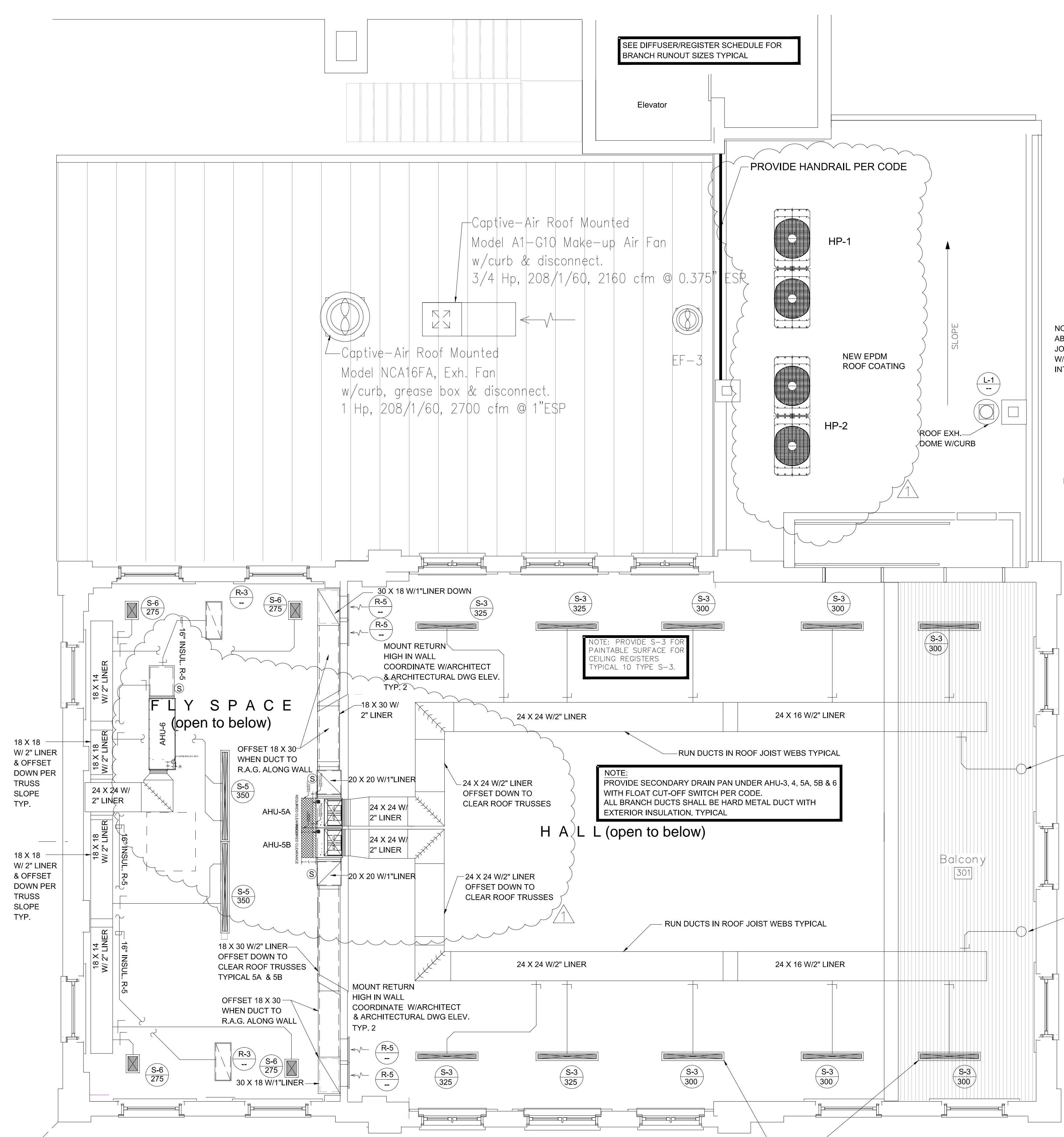
PROVIDE HANDRAIL PER CODE



SLOPE

NOTE: PROVIDE S-3 FOR PAINTABLE SURFACE FOR CEILING REGISTERS TYPICAL 10 TYPE S-3.

NOTE: PROVIDE SECONDARY DRAIN PAN UNDER AHU-3, 4, 5A, 5B & 6 WITH FLOAT CUT-OFF SWITCH PER CODE. ALL BRANCH DUCTS SHALL BE HARD METAL DUCT WITH EXTERIOR INSULATION, TYPICAL.



Balcony/Attic Level Mechanical Plan
Scale: 1/4" = 1'0"

LOCATE LINEAR DIFFUSERS BETWEEN BOTTOM CHORD OF ROOF TRUSSES TYPICAL. SEE ARCHITECTURAL REFLECTED CEILING PLAN.