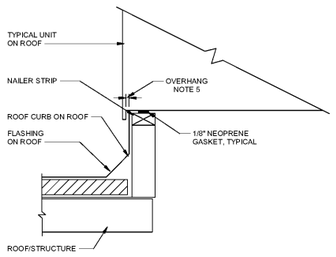


NOTES:

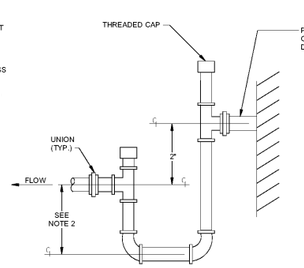
1. PROVIDE ROOF CURB TO MATCH ROOF SLOPE.
2. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR ROOF/STRUCTURE CONSTRUCTION.
3. ATTACH CURB TO ROOF OR STRUCTURE AS REQUIRED BY SEISMIC REQUIREMENTS. IF NONE, SPOT WELD OR MECHANICALLY ANCHOR.
4. ATTACH UNIT TO CURB 1/2" O.C. MINIMUM, 2 PER SIDE.
5. PROVIDE OVERHANG RECOMMENDED BY EQUIPMENT MANUFACTURER BUT NO LESS THEN 3/4".
6. FLASHING ON DETAIL IS DIAGRAMMATIC ONLY. SEE ARCHITECTURAL DETAILS AND/OR ROOFING INSTALLERS REQUIREMENTS FOR ACTUAL FLASHING AND COUNTER FLASHING REQUIRED.

ROOF CURB DETAIL

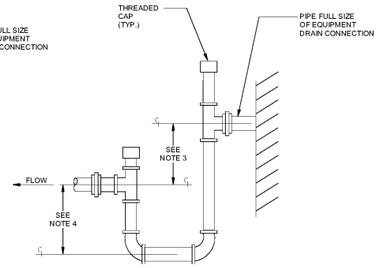
NOT TO SCALE

NOTES:

1. LOCATE TRAPS SO AS TO BE ACCESSIBLE FOR CLEANING.
2. HEIGHT SHALL BE EQUAL TO UNIT MAXIMUM TOTAL STATIC PRESSURE PLUS 1/2"
3. HEIGHT SHALL BE EQUAL TO UNIT MAXIMUM NEGATIVE STATIC PRESSURE PLUS 1"
4. HEIGHT SHALL BE 1/2 OF HEIGHT INSTALLED IN NOTE 3
5. PIPE TO NEAREST DRAIN.
6. TRAP SHALL NOT BLOCK ACCESS TO EQUIPMENT
7. PROVIDE UNIONS AT INLET AND OUTLET OF TRAP.
8. DRAIN LINE SHALL BE 3/4" MIN OR UNIT CONNECTION SIZE, WHICHEVER IS LARGER.



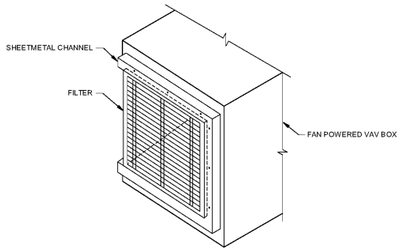
BLOW THRU DRAIN



DRAW THRU DRAIN

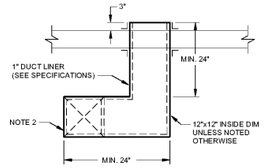
EQUIPMENT CONDENSATE DRAIN DETAIL

NOT TO SCALE



FAN POWERED TERMINAL UNIT FILTER RACK DETAIL

NOT TO SCALE



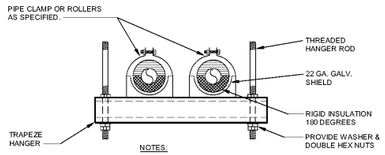
NOTES:

1. IN MOST INSTANCES, TRANSFER DUCTS SHOULD BE LOCATED ON NON-CORRIDOR SIDE OF WALL TO MINIMIZE CONSTRUCTION IN CORRIDOR.
2. TURN ELBOW UP OR ABOVE TOP OF HORIZONTAL DUCT.
3. DIMENSIONS AND LOCATION MAY HAVE TO BE ADJUSTED FOR FIELD CONDITIONS.

TURNING VANES.

TRANSFER DUCT DETAIL (TYPE L)

NOT TO SCALE

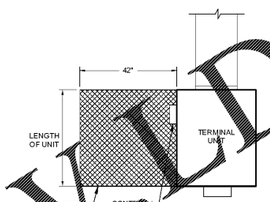


NOTES:

1. INSULATE PIPE AS SPECIFIED.

TRAPEZE HANGER DETAIL

NOT TO SCALE

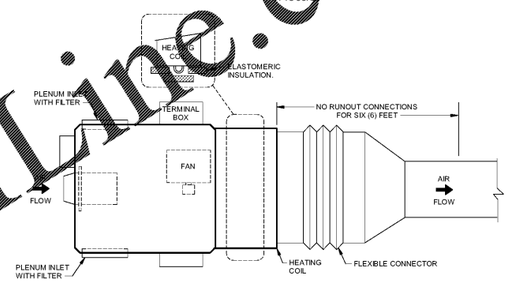


NOTES:

NO HANGER WIRES, LIGHTS, CONDUIT, SEISMIC RESTRAINTS, PIPING, ETC., SHALL BE LOCATED WITHIN THIS ARE FROM THE CEILING PLANE TO THE TOP OF THE TERMINAL UNITS.

TERMINAL UNIT AND DUCT HEATER CLEARANCES DETAIL

NOT TO SCALE

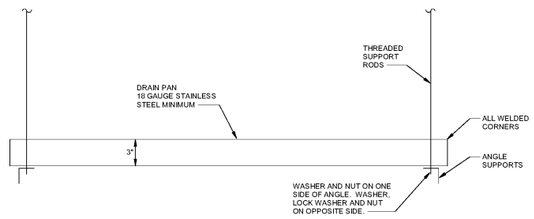


NOTES:

1. WHERE LINER IS SPECIFIED FOR TERMINAL UNITS WITH ELECTRIC HEAT, IT SHALL BEGIN 12" FROM THE HEATER. IN ADDITION TO ANY INSULATION SPECIFIED, THE FIRST 24" FROM UNIT SHALL HAVE DUCT WRAP.

FAN POWERED TERMINAL UNIT DETAIL

NOT TO SCALE

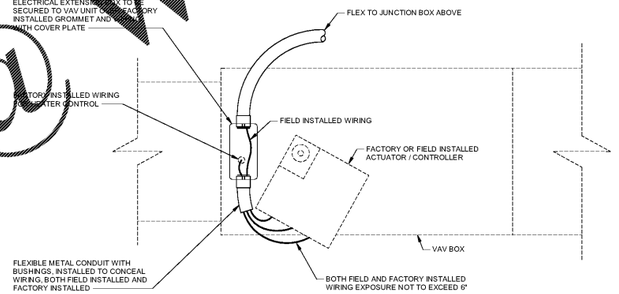


NOTES:

1. SEE SPECIFIC EQUIPMENT DETAILS FOR ADDITIONAL INFORMATION.
2. PAN SHALL EXTEND 4" FURTHER THAN THE CONDENSATE CAN OVERFLOW EACH DIRECTION.
3. FLOOR SUPPORTED DRAIN PANS SIMILAR.
4. PROVIDE FLOAT SWITCH IN DRAIN PAN.
5. DRAIN PAN INSTALLATION SHALL ALLOW EQUIPMENT SERVICE PANELS, DOORS, ETC. TO FULLY OPEN.

AUXILIARY DRAIN PAN FOR SUSPENDED EQUIPMENT DETAIL

NOT TO SCALE

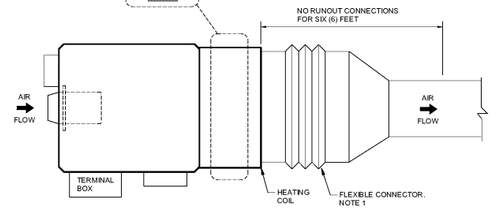


NOTES:

1. IN LIEU OF WIRING SHOWN, EXTEND THE FLEX TO AN ENCLOSURE FOR THE ACTUATOR.

TERMINAL UNIT WIRING DETAIL

NOT TO SCALE

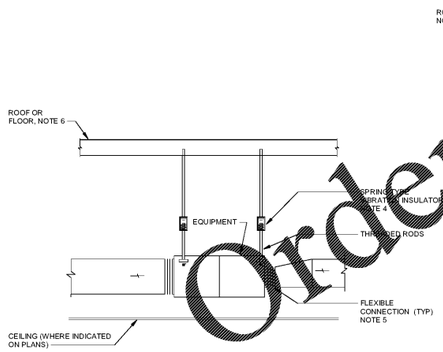


NOTES:

1. FLEXIBLE CONNECTOR MAY BE OMITTED AT CONTRACTOR'S OPTION UNLESS REQUIRED BY SEISMIC DESIGN.
2. WHERE LINER IS SPECIFIED FOR TERMINAL UNITS WITH ELECTRIC HEAT, IT SHALL BEGIN 12" FROM THE HEATER. IN ADDITION TO ANY INSULATION THAT IS SPECIFIED, THE FIRST 24" FROM THE UNIT SHALL HAVE DUCT WRAP.

SHUT OFF TERMINAL UNIT DETAIL

NOT TO SCALE

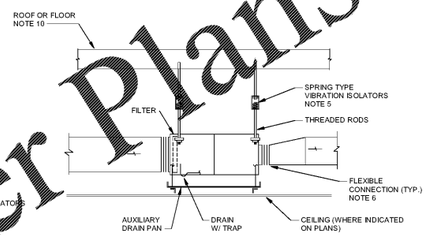


NOTES:

1. SUPPORT FROM OTHER ROOF TYPES OR SLABS SIMILARLY.
2. TRANSITION SUPPLY AND RETURN DUCT AS REQUIRED FOR CONNECTION TO AIR HANDLER.
3. PROVIDE MANUFACTURER RECOMMENDED CLEARANCE FOR MAINTENANCE OR CLEARANCE INDICATED ON PLANS, WHICHEVER IS GREATER.
4. SPRING ISOLATOR WHERE SPECIFIED.
5. FLEX CONNECTION FOR ALL UNITS WITH MOTORS.
6. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR ROOF OR FLOOR CONSTRUCTION.

SUSPENDED FANS AND TERMINAL UNITS DETAIL

NOT TO SCALE

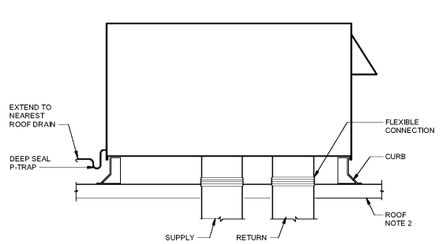


NOTES:

1. SUPPORT FROM OTHER ROOF TYPES OR SLABS SIMILARLY.
2. TRANSITION SUPPLY AND RETURN DUCT AS REQUIRED FOR CONNECTION TO AIR HANDLER.
3. PROVIDE MANUFACTURERS RECOMMENDED CLEARANCE FOR MAINTENANCE OR CLEARANCE INDICATED ON PLANS, WHICHEVER IS GREATER.
4. MOUNT UNIT TO MAINTAIN SLOPE ON DRAIN LINE.
5. SPRING ISOLATORS REQUIRED WHERE SPECIFIED.
6. FLEX CONNECTION FOR ALL UNITS WITH MOTORS.
7. PROVIDE A FACTORY INSTALLED FILTER HOUSING WITH SIDE OR BOTTOM ACCESS AS REQUIRED.
8. AUXILIARY DRAIN PAN REQUIRED ON ALL EQUIPMENT W/COOLING COIL OR WHERE CONDENSATION IS POSSIBLE, WHEN UNIT LOCATED ABOVE CEILING, IN ATTIC OR SIMILAR LOCATION.
9. THREADED RODS FOR AUXILIARY DRAIN PAN CAN BE THE SAME AS THE UNIT SUPPORT RODS IF THEY CAN BE PROPERLY INSTALLED (I.E. WITHOUT BENDING, INTERFERING WITH UNIT ACCESS, ETC.). OTHERWISE THEY SHALL BE RUN SIMILAR TO UNIT SUPPORT RODS.
10. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR ROOF OR FLOOR CONSTRUCTION.

SUSPENDED INDOOR AIR HANDLING EQUIPMENT DETAIL

NOT TO SCALE

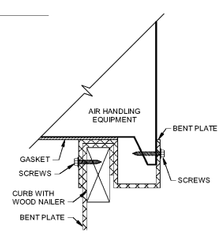


NOTES:

1. TRANSITION DUCT AS REQUIRED TO MAIN SUPPLY AND RETURN.
2. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR ROOF CONSTRUCTION.

ROOFTOP UNIT DETAIL (VERTICAL DISCHARGE)

NOT TO SCALE

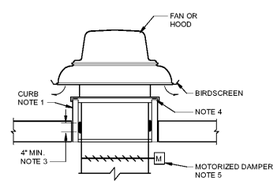


NOTES:

1. THIS DETAIL REPRESENTS A GENERAL INSTALLATION DETAIL. SPECIFIC SIZES OF BENT PLATES, FASTENERS, ETC., TO BE DETERMINED BY THE SEISMIC ENGINEER.
2. ALTERNATE ATTACHMENT MAY BE ACCEPTABLE WHEN SUBMITTED BY THE SEISMIC ENGINEER.

ROOFTOP UNIT ATTACHMENT TO CURB DETAIL (TYPE 2)

NOT TO SCALE



NOTES:

1. SEE CURB DETAIL.
2. SCREW FAN TO CURB 12" O.C. MINIMUM 2 PER. SIDE.
3. SEAL ANNULAR SPACE BETWEEN DUCT AND CURB WITH ELASTOMERIC INSULATION ALL AROUND DUCT.
4. PROVIDE 1/8" ELASTOMERIC GASKET BETWEEN CURB AND EQUIPMENT ALL AROUND CURB.
5. MOTORIZED DAMPER WHERE SPECIFIED OR INDICATED ON PLANS.
6. RELIEF HOOD SIMILAR.
7. INTAKE HOOD SIMILAR.

ROOFTOP FAN / HOOD DETAIL

NOT TO SCALE

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