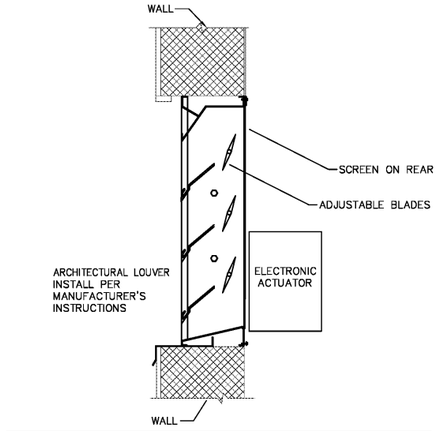
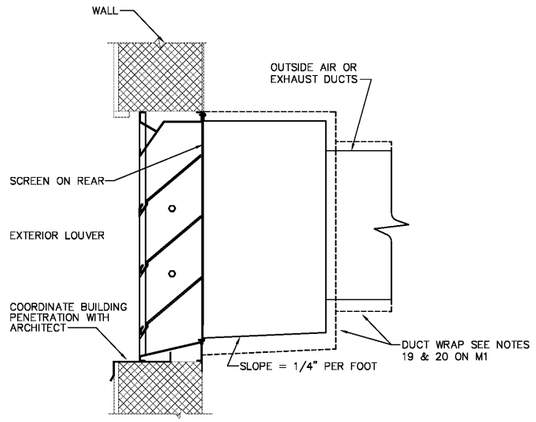


NOTES:
1. INTERLOCK 120V ELECTRONIC ACTUATOR WITH THE WALL MOUNTED LOUVER DAMPER. THE DAMPER SHALL OPEN WHEN THE EXHAUST FAN OPERATES.

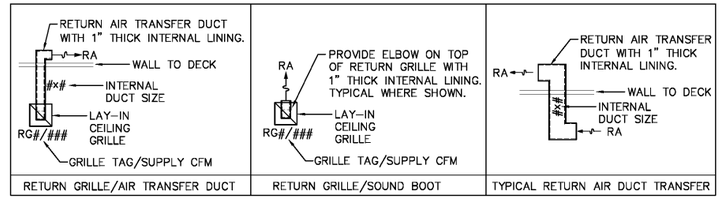
ADJUSTABLE LOUVER INSTALLATION DETAIL

SCALE: NONE



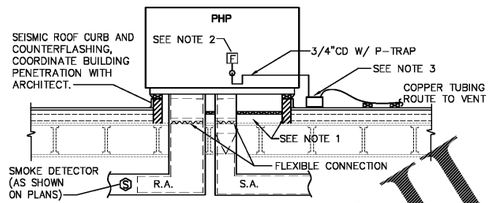
ATTACHMENT TO LOUVER DETAIL

SCALE: NONE



RETURN AIR TRANSFER DETAILS

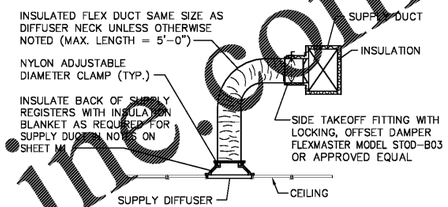
SCALE: NONE



NOTES:
1. REFER TO DETAIL ON M002 FOR ROOF CURB INFORMATION.
2. PROVIDE IN-LINE FLOAT SWITCH BETWEEN COIL DISCHARGE & P-TRAP. PROVIDE EZTRAP MODEL EZT-225 OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS FOR APPROVAL.
3. PROVIDE CONDENSATE PUMP (MCMASTER-CARR MODEL 6575K13) WITH 1/30 HP, 1.3 GPM AND ELECTRICAL PLUG. ALSO PROVIDE COPPER TUBING PLUMBING VENT AND PLUG IN TO DISCONNECT OF AHU.
4. PROVIDE SMOKE DETECTORS IN RETURN DUCT OF AIR HANDLING UNIT FOR AUTOMATIC UNIT SHUTDOWN.

TYPICAL PACKAGED ROOFTOP UNIT INSTALLATION

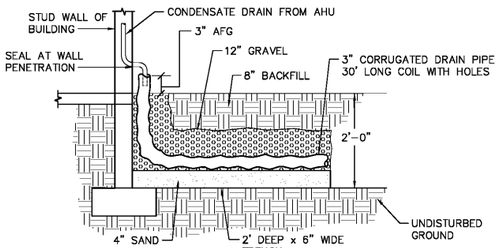
SCALE: NONE



NOTE:
1. FLEXIBLE DUCT SHALL NOT BE USED FOR OFFSETS OR ELBOWS EXCEPT FOR FINAL TURN DOWN TO DIFFUSER NECK.

TYPICAL FLEX DUCT AND SIDE TAKE-OFF FITTING DETAIL

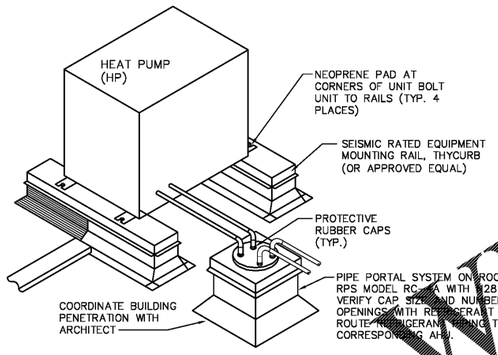
SCALE: NONE



NOTES:
1. COORDINATE TO ENSURE THE CONDENSATE DRAIN FIELD IS LOCATED WITHIN PLANTERS. CONDENSATE DRAIN LINE SHALL BE FIELD SHIFTED AS REQUIRED.

CONDENSATE DRAIN FIELD DETAIL

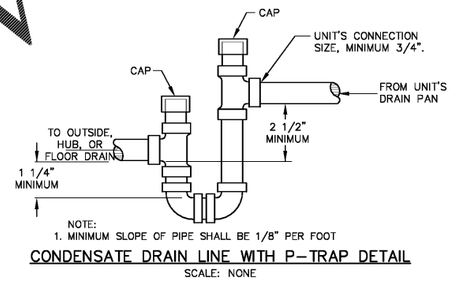
SCALE: NONE



NOTES:
1. CONTRACTOR SHALL INSTALL WIRING THRU PITCH POCKET TO HEAT PUMP. REFRIGERANT LINES ON ROOF SHALL BE SECURED TO 4x4 TREATED LUMBER WOOD BLOCKS ON 5' INTERVALS.
2. LIQUID AND SUCTION LINES FROM HEAT PUMP UNITS SHALL BE PIPED THROUGH PORTAL SYSTEM AS REQUIRED TO MINIMIZE REFRIGERANT PIPING LENGTH.
3. PROVIDE STAINLESS STEEL SNAPLOCK SWIVEL CLAMPS FOR ALL PIPES ENTERING PORTAL SYSTEM. PROVIDE SEISMIC RESTRAINTS IN ACCORDANCE WITH IBC 2015 AS MANUFACTURED BY MASON INDUSTRIES, OR APPROVED EQUAL. ACTUAL BRACKETS, ATTACHMENTS TO STRUCTURE AND EQUIPMENT VARY WITH ACTUAL MANUFACTURER PROVIDED. SUBMIT SHOP DRAWINGS FOR APPROVAL.

ROOF MOUNTED HEAT PUMP WITH PIPING PORTAL SYSTEM DETAIL

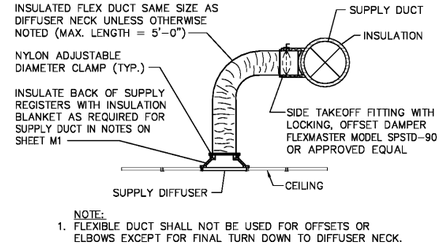
SCALE: NONE



NOTE:
1. MINIMUM SLOPE OF PIPE SHALL BE 1/8" PER FOOT

CONDENSATE DRAIN LINE WITH P-TRAP DETAIL

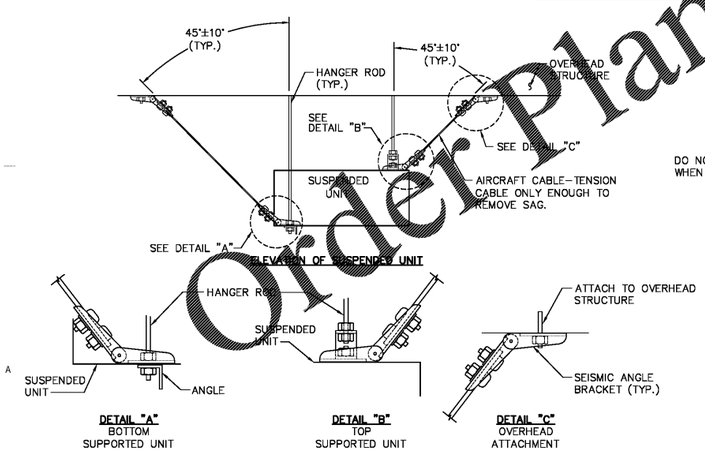
SCALE: NONE



NOTE:
1. FLEXIBLE DUCT SHALL NOT BE USED FOR OFFSETS OR ELBOWS EXCEPT FOR FINAL TURN DOWN TO DIFFUSER NECK.

TYPICAL FLEX DUCT AND SIDE TAKE-OFF FITTING DETAIL

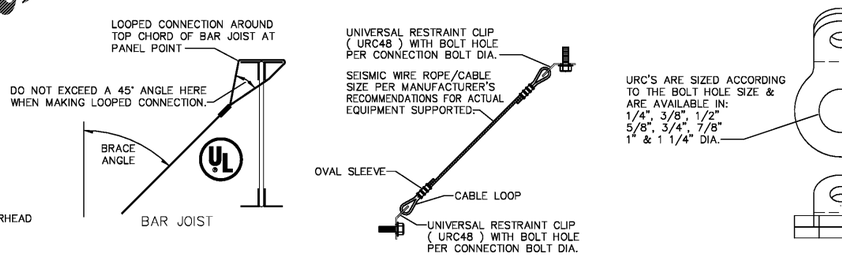
SCALE: NONE



NOTE:
PROVIDE SEISMIC RESTRAINTS IN ACCORDANCE WITH IBC 2015 AS MANUFACTURED BY MASON INDUSTRIES, OR APPROVED EQUAL. ACTUAL BRACKETS, ATTACHMENTS TO STRUCTURE AND EQUIPMENT VARY WITH ACTUAL MANUFACTURER PROVIDED. SUBMIT SHOP DRAWINGS FOR APPROVAL.

SUSPENDED UNIT GENERIC SEISMIC RESTRAINT DETAIL

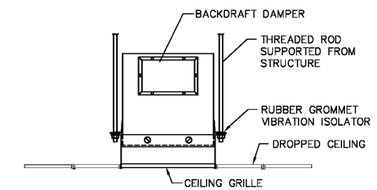
SCALE: NONE



NOTES:
1. PROVIDE SEISMIC RESTRAINTS IN ACCORDANCE WITH IBC 2015 AS MANUFACTURED BY LOOS & CO.INC, OR APPROVED EQUAL. ACTUAL BRACKETS, ATTACHMENTS TO STRUCTURE AND EQUIPMENT VARY WITH ACTUAL MANUFACTURER PROVIDED. SUBMIT SHOP DRAWINGS FOR APPROVAL. REFER TO SMACNA GUIDELINES FOR MAXIMUM SPACING OF SEISMIC RESTRAINTS.
2. COORDINATE ATTACHMENT TO BUILDING STRUCTURE WITH STRUCTURAL ENGINEER.
3. THE URC48 MAINTAINS THE BREAK STRENGTH OF THE CABLE AND DOES NOT REQUIRE A THIMBLE.
4. THE URC48 IS USED TO MAKE BOTH STRUCTURAL ANCHORAGE AND EQUIPMENT CONNECTIONS.
5. THE URC48 IS USED AT BOTH ENDS OF CABLES TO MAKE FIELD CUT CABLE ASSEMBLIES.
6. USE URC'S AT EACH END OF TRAPEZE SUPPORTS TO MAKE 2-WAY & 4-WAY CONNECTIONS.

PIPING SEISMIC RESTRAINT DETAIL

SCALE: NONE



TYPICAL CEILING MOUNTED EXHAUST FAN

SCALE: NONE

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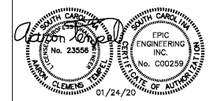
SEALS



THE OPPORTUNITY CENTER
8570 RIVERS AVE. N CHARLESTON SC

SHEET ISSUE:
01/14/2020 Review Set
01/24/2020 Permit/Bid Set

PRINCIPAL IN CHARGE: ACT
PROJECT ENGINEER: ACT
DRAWN BY: RAD

SHEET TITLE:
DETAILS

PROJ. NO.
MPS 01.7349.00

SHEET NO.
M003