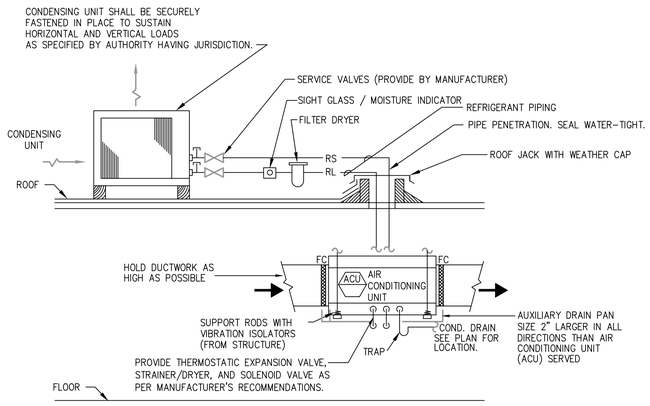
NOTES:

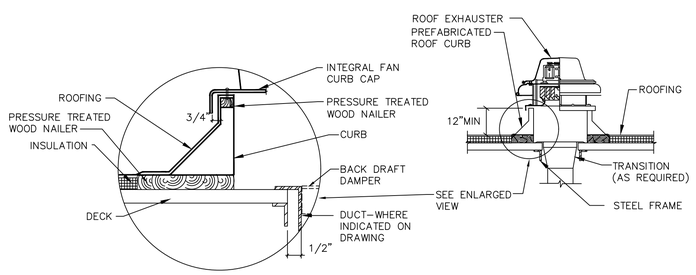
AIR CONDITIONING UNIT TO BE INSTALLED AS HIGH AS POSSIBLE COORDINATE ACU LOCATION WITH STRUCTURAL AND ARCHITECTURAL ELEMENTS TO MAINTAIN REQUIRED ACCESS TO MOTORS, FILTERS, VALVES, AND ACCESS TO PANEL ON UNIT. CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING WORKING CLEARANCES FREE OF PIPING, CONDUIT, DUCTS, AND OTHER OBSTRUCTIONS.

2. PROVIDE FLEXIBLE CONNECTION AT FAN COIL UNIT DISCHARGE & RETURN AIR PLENUM.
   REFRIGERANT LINES SIZED AS PER MANUFACTURER RECOMMENDATIONS. COORDINATE PIPE ROUTING WITH FILTER REMOVAL ACCESS. PITCH LINES IN DIRECTION OF REFRIGERANT FLOW TO FACILITATE OIL RETURN TO COMPRESSOR.
4. REFRIGERANT LINES SHALL BE TYPE "L" HARD DRAWN "ACR" TUBING THAT HAS BEEN CLEANED AND CAPPED FOR REFRIGERATION SERVICE. FITTINGS SHALL BE WROUGHT COPPER AND SHALL BE INSTALLED WITH SILVER SOLDER JOINTS.
5. SUCTION LINE INSULATION SHALL BE EQUAL TO ARMSTRONG "ARMAFLEX", 1" THICK. FINISH WITH 0.16" THICK ALUMINUM JACKET HAVING STRAPS AT 12" ON CENTER. INSTALL INSULATION AND METAL JACKET PER MANUFACTURER'S RECOMMENDATIONS.
6. PROVIDE CONDUCTIVITY SWITCH IN AUXILIARY DRAIN PAN TO DE-ENERGIZE FAN COIL UNIT WHEN WATER IS DETECTED IN AUXILIARY DRAIN PAN.
7. PRIOR TO EQUIPMENT INSTALLATION FINAL LOCATIONS SHALL BE APPROVED BY THE OWNER OR PROJECT ARCHITECT.




## A/C SYSTEM W/ HORZ. AIR HANDLING + ROOF MOUNTED CONDENSING UNIT. TYPICAL. 05

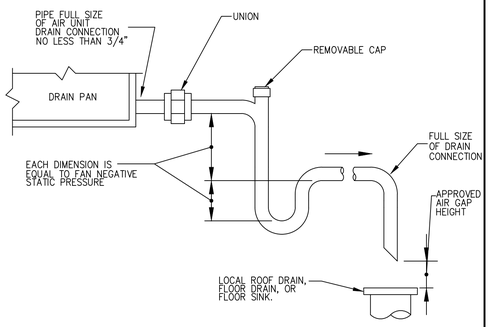
SCALE: NONE




NOTES:
1. WHERE NO DUCT IS INDICATED, BACKDRAFT DAMPER SHALL BE FULL SIZE OF OPENING IN ROOF DECK.
2. ROOF MOUNTED EXHAUST FANS SHALL NOT BE MOUNTED ON A SLOPE OF GREATER THAN 6:12. SEE GENERAL NOTES.

## ROOF MOUNTED EXHAUST FAN 06

SCALE: NONE



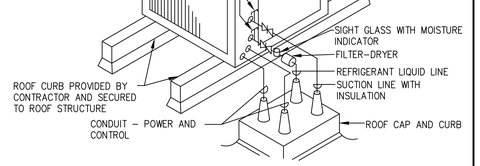

NOTE:

1. LOCATE TRAPS SA AS TO BE ACCESSIBLE FOR CLEANING.
2. TO DETERMINE OFFSET, SUBTRACT SCHEDULED E.S.P. FROM T.S.P. THEN ADD 1".
3. ROUTE TO NEAREST SANITARY DRAIN.

## CONDENSATE DRAIN 02

SCALE: NONE

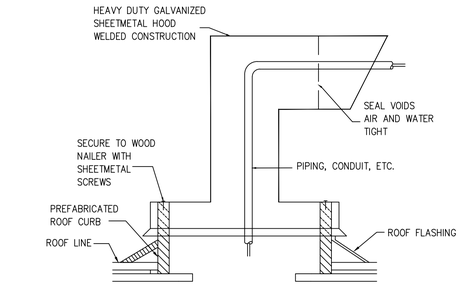
NOTE: ROOF CURB TO BE PROVIDED BY MECHANICAL CONTRACTOR AND ALL FLASHING AND ROOFING TO BE PERFORMED BY CERTIFIED ROOFING CONTRACTOR. UNIT TO BE SECURED TO CURB USING INTEGRAL ATTACHMENT POINTS ON BOTTOM OF UNIT.




## ROOFTOP CONDENSING UNIT 04

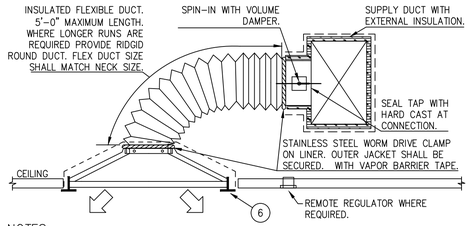
SCALE: NONE

NOTE: ROOF CURB TO BE PROVIDED BY MECHANICAL CONTRACTOR AND ALL FLASHING AND ROOFING TO BE PERFORMED BY CERTIFIED ROOFING CONTRACTOR.




## ROOF PIPING PENETRATION 01

SCALE: NONE




NOTES:

1. CEILING DIFFUSER SHALL BE INSTALLED SUCH THAT THE FACE OF DIFFUSER IS FLUSH WITH CEILING. REFER TO AIR DEVICE SCHEDULE FOR EXACT DEVICE.
2. SUPPORT FLEXIBLE DUCT FROM STRUCTURE. FLEXIBLE DUCT SHALL NOT KINK, SAG OR REST ON LIGHT FIXTURE, CEILING SUPPORT "TEES" OR CEILING TILE.
3. PROVIDE SQUARE TO ROUND TAP AT BRANCH DUCT WHERE FLEXIBLE DUCT SIZE EXCEEDS DIMENSION OF RECTANGULAR DUCT.
4. FOR UNCONDITIONED CEILING PLENUMS, INSULATE BACK OF CEILING DIFFUSER WITH 1" DUCT WRAP AND SEAL WITH VAPOR BARRIER TAPE.
5. METALLIC FLEXIBLE DUCT SHALL BE USED WHERE FLEXIBLE DUCT CONNECTIONS ARE SHOWN ON THE DRAWING TO ALL AIR DEVICES INSTALLED IN INACCESSIBLE LOCATIONS SUCH AS ABOVE GYPSUM BOARD OR PLASTER CEILINGS. (REFER TO ARCH. DRAWINGS FOR CEILING TYPE.)
6. CEILING "TEE" OR DRYWALL TRIM PIECE BY OTHERS.

## CEILING DIFFUSER 03

SCALE: NONE

SCALE: N.T.S.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E/B/E Project Number : 25026

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| ISSUED FOR BIDDING | |
| ISSUED FOR PERMIT | 02/13/2026 |
| ISSUED FOR CONSTRUCTION | |

**REVISIONS**

| MARK | DESCRIPTION | DATE |
|---|---|---|
| | 90% REVIEW SET | 2026/02/06 |
| | ISSUED FOR PERMIT | 2026/02/13 |


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STATE OF TEXAS
JOSE M. GUERRERO
154536
REGISTERED PROFESSIONAL ENGINEER
02/13/2026

DRAWING TITLE
MECHANICAL SCHEDULES

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