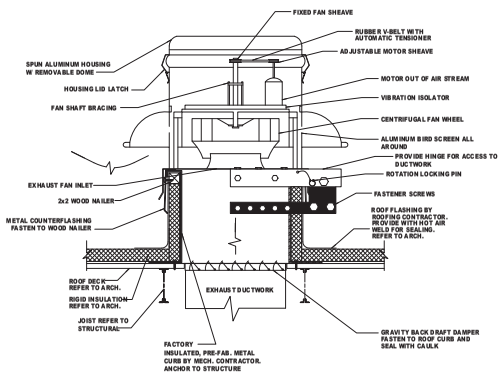
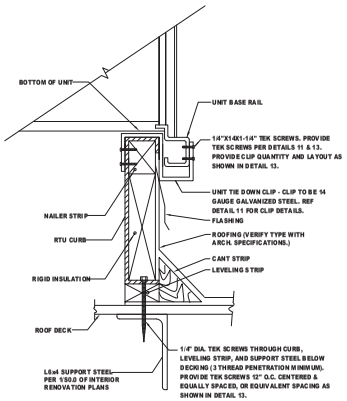
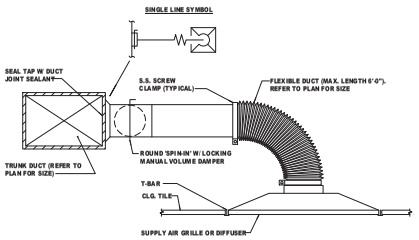


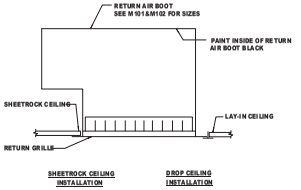
1 DOWNBLAST EXHAUST FAN DETAIL
NTS



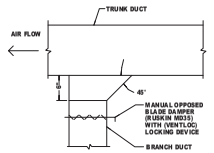
2 RTU MOUNTING DETAIL
NTS



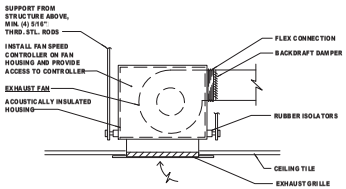
3 SPIN-IN & CLG. DIFFUSER DETAIL
NTS



4 PLENUM RETURN GRILLE & TRANSFER DUCT DETAIL
NTS

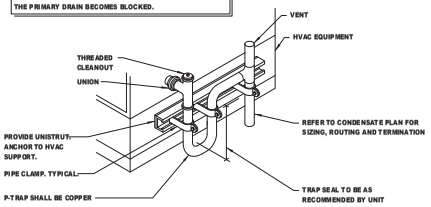


5 BRANCH TAKE OFF DETAIL
NTS

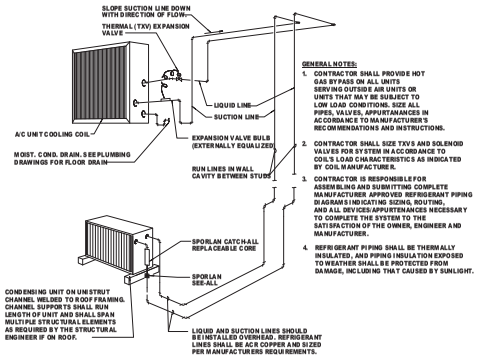


6 CLG. MNTD. EXHAUST FAN DETAIL
NTS

IN ADDITION TO A PRIMARY CONDENSATE DRAIN, PROVIDE ALL COOLING COILS WITH EITHER AN AUXILIARY CONDENSATE DRAIN OR A WATER-LEVEL DETECTION DEVICE CONFORMING TO UL 508 INTERLOCKED WITH THE COOLING EQUIPMENT WHICH WILL SHUT OFF EQUIPMENT IN THE EVENT THE PRIMARY DRAIN BECOMES BLOCKED.

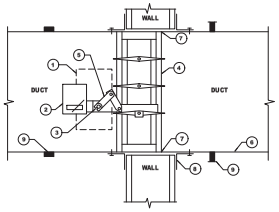


7 CONDENSATE PIPING DETAIL
NTS



GENERAL NOTES:
1. CONTRACTOR SHALL PROVIDE HOT GAS BYPASS ON ALL UNITS SERVING OUTSIDE AIR UNITS OR UNITS THAT MAY BE SUBJECT TO LOW LOAD CONDITIONS. SIZE ALL PIPES, VALVES, APPURTANANCES IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
2. CONTRACTOR SHALL SIZE TXVS AND SOLENOID VALVES FOR SYSTEM IN ACCORDANCE TO COILS LOAD CHARACTERISTICS AS INDICATED BY COIL MANUFACTURER.
3. CONTRACTOR IS RESPONSIBLE FOR ASSEMBLING AND SUBMITTING COMPLETE MANUFACTURER APPROVED REFRIGERANT PIPING DIAGRAMS INDICATING SIZING, ROUTING, AND ALL DEVICES/APPURTENANCES NECESSARY TO COMPLETE THE SYSTEM TO THE SATISFACTION OF THE OWNER, ENGINEER AND MANUFACTURER.
4. REFRIGERANT PIPING SHALL BE THERMALLY INSULATED, AND PIPING INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE, INCLUDING THAT CAUSED BY SUNLIGHT.

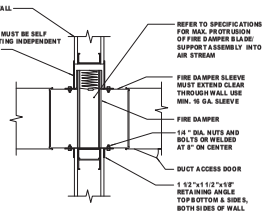
8 REFRIGERANT PIPING DETAIL
NTS



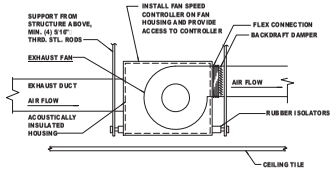
NOTES BY SYMBOL:
1. ACTUATOR
2. OPTIONAL FIRESTAT OR SP-100
3. AUXILIARY OPERATING JACK SHAFT
4. DAMPER
5. OVER-CENTER LINK
6. SLEEVE
7. CAULKING MATERIAL (MAY BE ON EITHER SIDE OF DAMPER FRAME)
8. PFMA OR CONVENTIONAL MOUNTING ANGLES
9. S-JOINT/DUCT MATE, SLEEVE TO DUCT

1. THE CAULK IS TO BE FORCED INTO THE OPEN SPACE TO THE MAXIMUM EXTENT POSSIBLE FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE.
2. FINISH CAULKING WITH A 1/4" (6MM) MINIMUM BEAD OF CP 25NS CAULK APPLIED TO THE PERIMETER OF THE PIPE AT ITS EGRESS FROM THE WALL.
3. THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16" (6MM)
4. INSTALL 3M FIRESTOP ON BOTH SIDES OF THE WALL.
5. THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E-814 (UL 1479) FIRE TEST AND UL THROUGH PENETRATION FIRESTOP SYSTEM #147
6. REFER TO ELECTRICAL DRAWINGS, FIRE ALARM SPECIFICATIONS, FOR VOLTAGE OF DAMPER ACTUATOR MOTOR.

9 FIRE SMOKE DAMPER DETAIL
NTS



10 FIRE DAMPER DETAIL
NTS



11 INLINE EXHAUST FAN DETAIL
NTS

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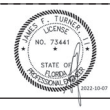

TCCA HIGH SCHOOL BUILDING
1400 SE COVE RD
STUART FLORIDA 34997

SHEET ISSUE:

NO.	DATE	DESCRIPTION	BY
A	8.5.22	50 Set	

PRINCIPAL IN CHARGE: AWJ
PROJECT ARCHITECT: AWJ
DRAWN BY: JLC

SHEET TITLE:
MECHANICAL DETAILS

SHEET NO. M501
PROJ. NO. 022004