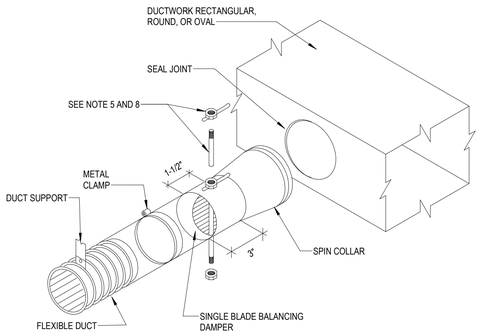
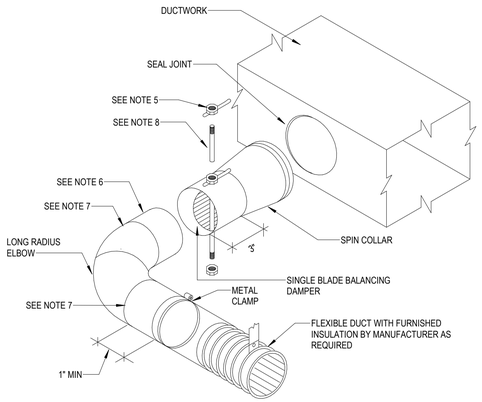


NOTES:

1. SUPPORT DUCTWORK AS REQUIRED.
2. BAND FLEX TO COLLAR 1/2" MINIMUM FROM OUTBOARD END OF COLLAR.
3. INSTALL SPIN COLLAR DAMPER IN OPEN POSITION; FINAL ADJUSTMENT BY TAB CONTRACTOR.
4. PULL FLEXIBLE DUCT INSULATION UP TO END OF SPIN COLLAR AT EDGE OF RECTANGULAR DUCTWORK; SEAL VAPOR BARRIER WITH GREY TAPE TO PREVENT MOISTURE MIGRATION.
5. PROVIDE EXTENSION RODS TO ACCOMMODATE INSULATION, PULL TO EDGE OF DUCTWORK AS REQUIRED AND SEAL TO AFFECT VAPOR BARRIER.
6. POP RIVET OR SHEET METAL SCREWS, MINIMUM 3 EACH AT 120 INTERVALS, CONNECTING STOVEPIPE TO COLLAR. ENSURE RIVETS OR SCREWS DO NOT INTERFERE WITH DAMPER.
7. TAPE AND SEAL ALL JOINTS TO PREVENT LEAKAGE.
8. INSTALL LOCKING QUADRANT AND HANDLE ON BOTTOM OF DUCT FOR EASY SERVICE (SHOWN ON TOP FOR EASE OF ILLUSTRATION ONLY).

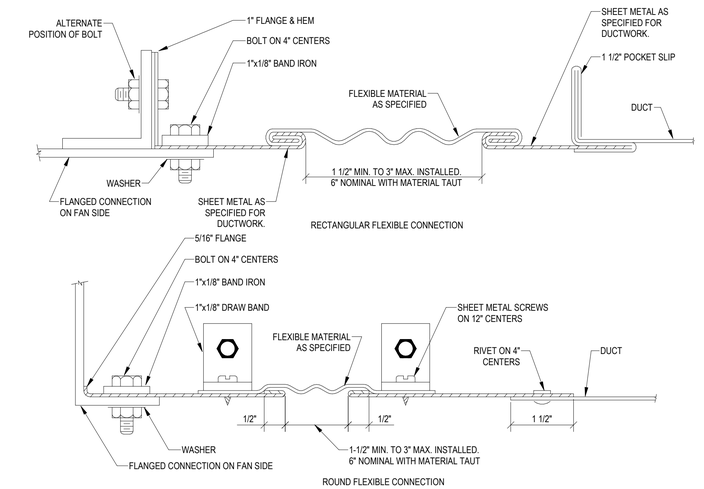
1 M-004 SPIN COLLAR FLEXIBLE DUCT CONNECTOR WITH DAMPER - LOW PRESSURE
NOT TO SCALE



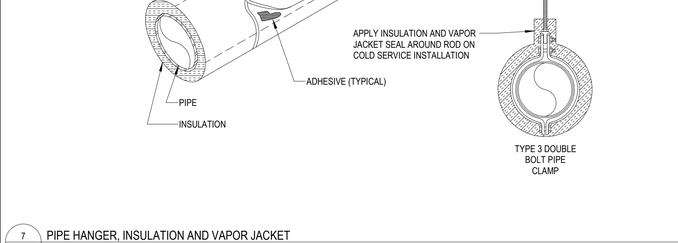
NOTES:

1. SUPPORT DUCTWORK AS REQUIRED.
2. BAND FLEX TO COLLAR 1/2" MINIMUM FROM OUTBOARD END OF COLLAR.
3. INSTALL SPIN COLLAR DAMPER IN OPEN POSITION; FINAL ADJUSTMENT BY TAB CONTRACTOR.
4. PULL FLEXIBLE DUCT INSULATION UP TO END OF SPIN COLLAR AT EDGE OF RECTANGULAR DUCTWORK; SEAL VAPOR BARRIER WITH GREY TAPE TO PREVENT MOISTURE MIGRATION.
5. PROVIDE EXTENSION RODS TO ACCOMMODATE INSULATION, PULL TO EDGE OF DUCTWORK AS REQUIRED AND SEAL TO EFFECT VAPOR BARRIER.
6. POP RIVET OR SHEET METAL SCREWS, MINIMUM 3 EACH AT 120 INTERVALS, CONNECTING STOVEPIPE TO COLLAR. ENSURE RIVETS OR SCREWS DO NOT INTERFERE WITH DAMPER.
7. TAPE AND SEAL ALL JOINTS TO PREVENT LEAKAGE.
8. INSTALL LOCKING QUADRANT AND HANDLE ON BOTTOM OF DUCT FOR EASY SERVICE (SHOWN ON TOP FOR EASE OF ILLUSTRATION ONLY).

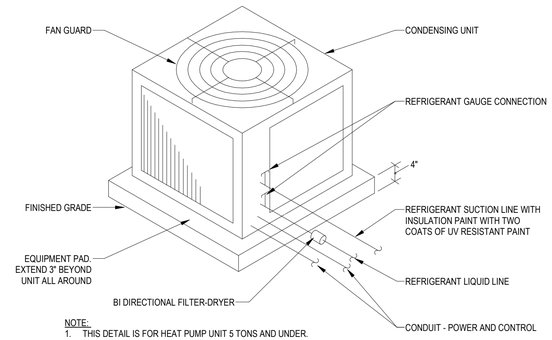
2 M-004 SPIN COLLAR FLEXIBLE DUCT CONNECTOR WITH DAMPER AND WITH LONG RADIUS ELBOW - LOW PRESSURE
NOT TO SCALE



3 M-004 EQUIPMENT FLEXIBLE CONNECTION RECTANGULAR/ROUND
NOT TO SCALE

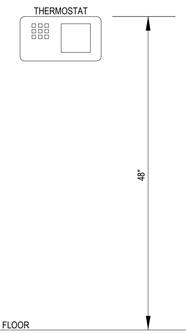


4 M-004 TYPICAL BRANCH TAKEOFF FITTING DETAIL
NOT TO SCALE

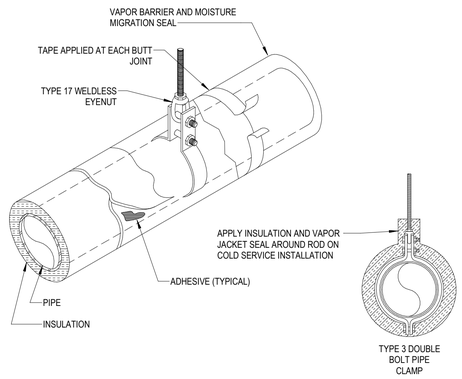


NOTE:
1. THIS DETAIL IS FOR HEAT PUMP UNIT 5 TONS AND UNDER.
2. PROVIDE 4"X4"WELDED WIRE MESH REINFORCING AT CENTER LINE FOR THE CONCRETE PAD.
3. PAD MAY BE PREFABRICATED DIVERSITECH ULTRALITE EQUIPMENT PAD OR EQUIVALENT.

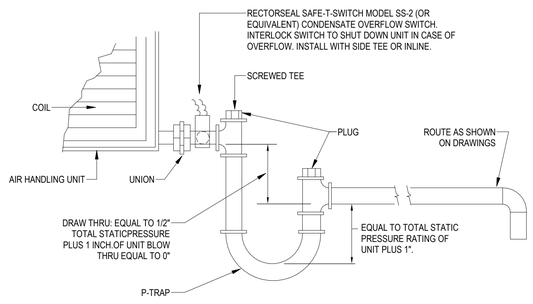
5 M-004 AIR COOLED CONDENSING UNIT SLAB MOUNTED
NOT TO SCALE



6 M-004 T-STAT DETAIL
NOT TO SCALE

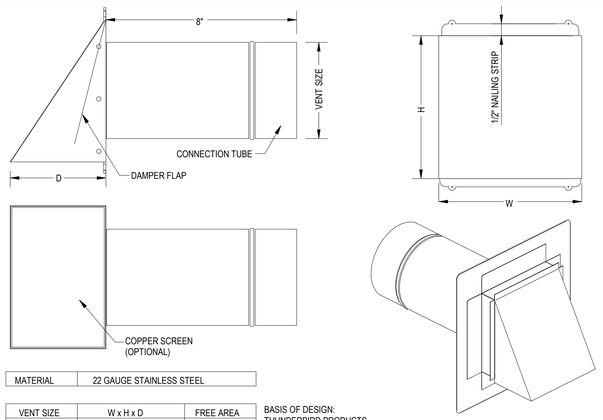


7 M-004 PIPE HANGER, INSULATION AND VAPOR JACKET
NOT TO SCALE



NOTE: DRAIN LINES SHALL BE ROUTED SEPARATE FROM REFRIGERANT LINE SETS.

8 M-004 CONDENSATE DRAIN DETAIL
NOT TO SCALE



MATERIAL	22 GAUGE STAINLESS STEEL

VENT SIZE	W x H x D	FREE AREA
4"	6"x6"x4"	24 in ²
6"	9 1/4"x9 1/4"x6 1/4"	57 in ²
8"	10 1/4"x10 1/4"x7"	71 in ²
10"	11 1/2"x11 1/2"x7 3/4"	88 in ²
12"	14"x14"x9 1/4"	128 in ²

BASIS OF DESIGN:
THUNDERBIRD PRODUCTS
1148 NORTH MARSHALL
AVE. EL CAJON, CA 92020
TEL: (800) 658-2473 FAX:
(619) 448-9072

9 M-004 VENT CAP AT EXTERIOR WALL DETAIL
NOT TO SCALE

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
135 P RICKMAN INDUSTRIAL DR.
SUITE 100 CANTON, GA 30115
Phone: (770) 345-2579

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GEORGIA REGISTERED No. PE036664 PROFESSIONAL ENGINEER KRUNAL M PATEL
4-24-2026

PROJECT NUMBER: 25-040

REVISIONS	NO.	DATE:	ISSUE:

DRYWALL WAREHOUSE HWY 81

257 HIGHWAY 81
OCONEE CAMP SITE
WALTON COUNTY, GEORGIA

MECHANICAL DETAILS

M-004

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