

NEW FACILITIES
SERVICE BUILDING FOR:

**DURHAM
TECHNICAL
COMMUNITY
COLLEGE**

1700 COOPER ST.
DURHAM, NC

SCO PROJECT
NUMBER
17-16794-01A
PROJECT NUMBER
17-034

Mechanical Details

DTW
Architects &
Planners, Ltd.
229 North Gregson Street
PO Box 3436
Durham, NC 27702
919.317.4020

CONSTRUCTION DOCUMENTS

Revisions

Drawn RAS

Checked CTC

Date SEPTEMBER 17, 2018

Sheet

M2.1
Of

THERMOSTAT SET-POINTS AND OPERATING SCHEDULES

SUMMER (COOLING SEASON)

OFFICES (AHU-1, 2, 3): 74°F – NORMAL BUSINESS HOURS
80°F – AFTERHOURS

WAREHOUSE (BASEBID): VENTILATED ONLY

WAREHOUSE (ALTERNATE G-2): 78°F – ALL HOURS

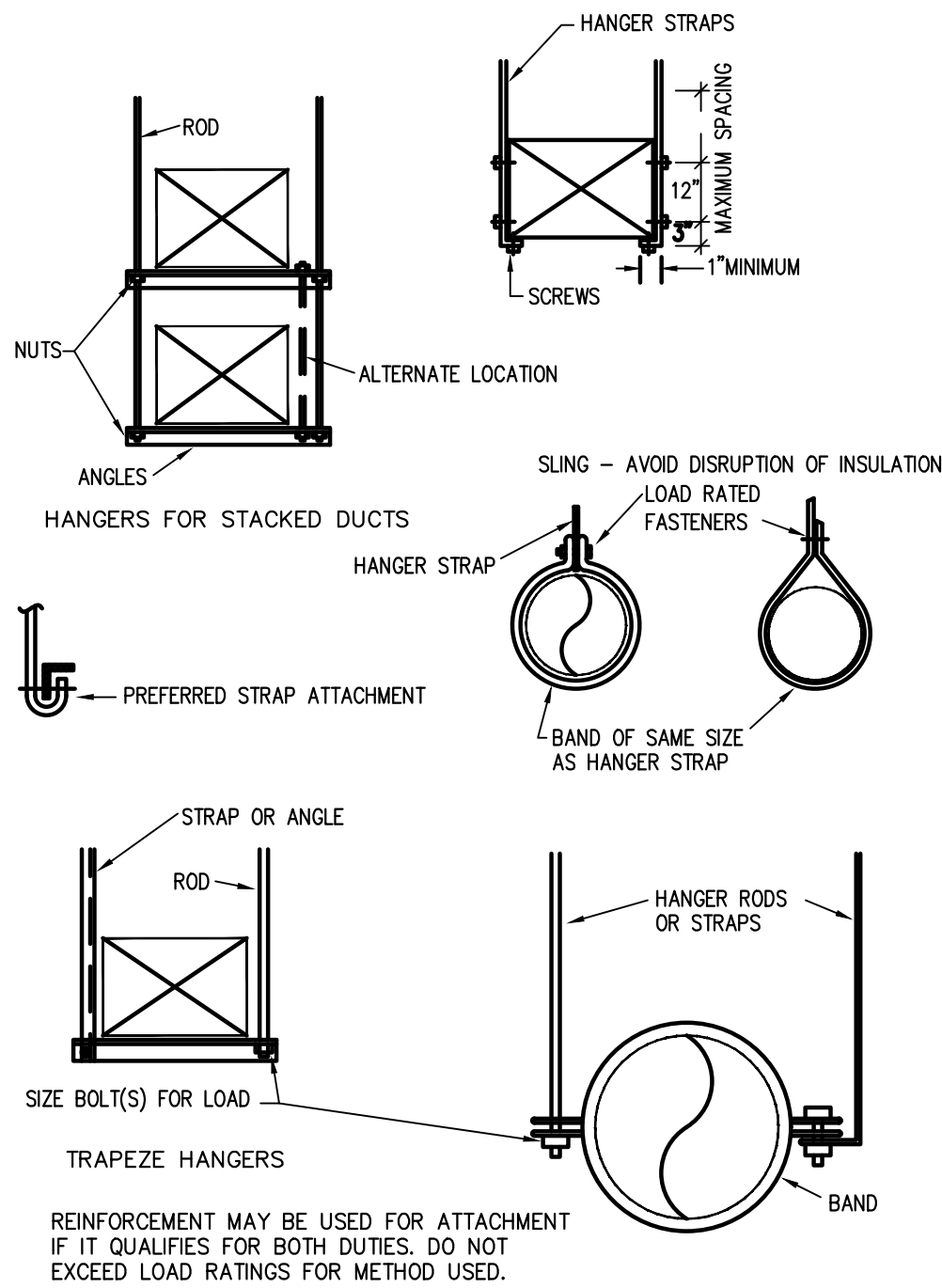
WINTER (HEATING SEASON)

OFFICES (AHU-1, 2, 3): 70°F – NORMAL BUSINESS HOURS
64°F – AFTERHOURS

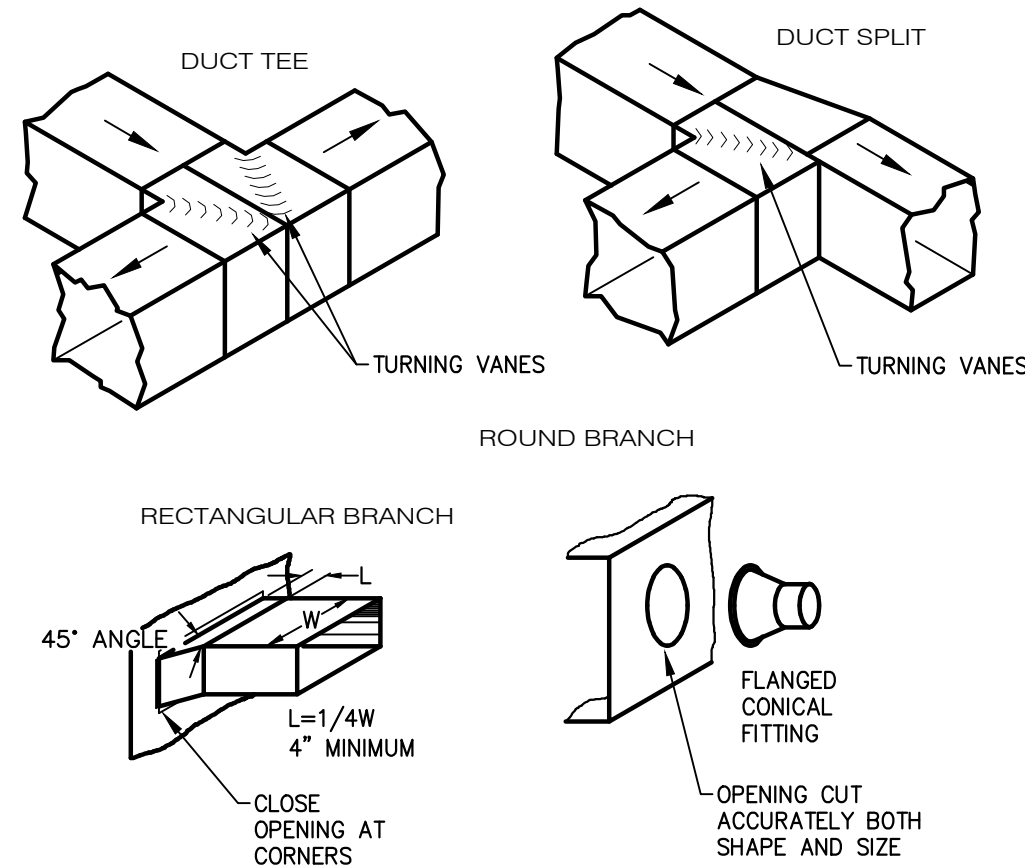
WAREHOUSE (BASEBID): 65°F – ALL HOURS

WAREHOUSE (ALTERNATE G-2): 65°F – ALL HOURS

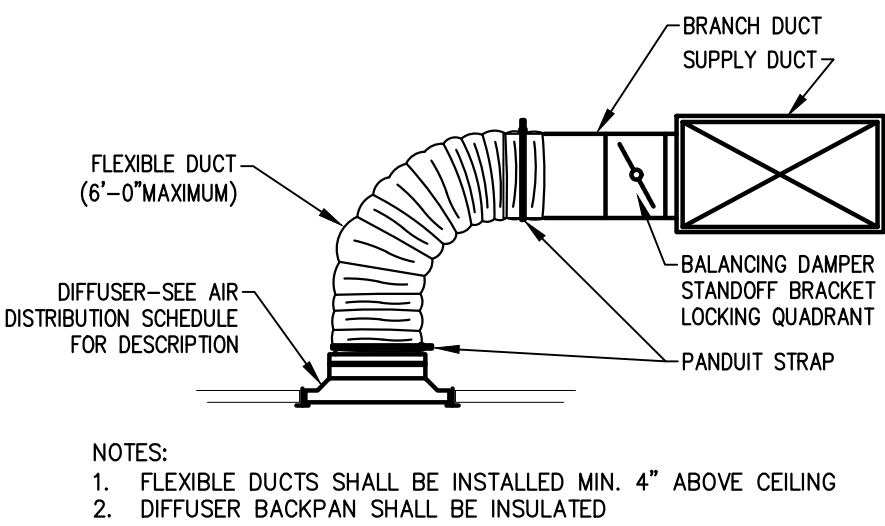
*ALL THERMOSTATS ARE USER PROGRAMMABLE



3 Typical Duct Hangers
M2.1 SCALE: NONE FROM SMACNA STANDARDS

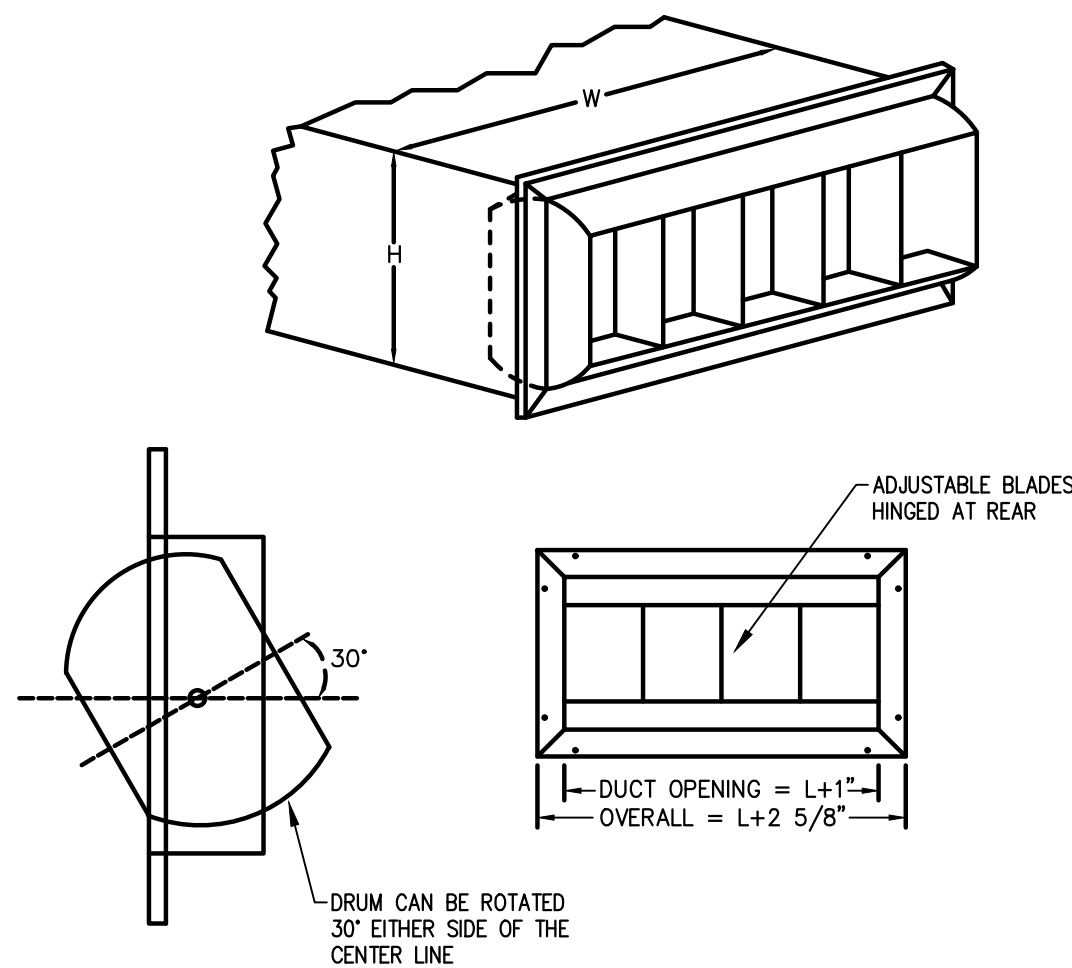


2 Low Pressure Branch Duct Detail
M2.1 SCALE: NONE

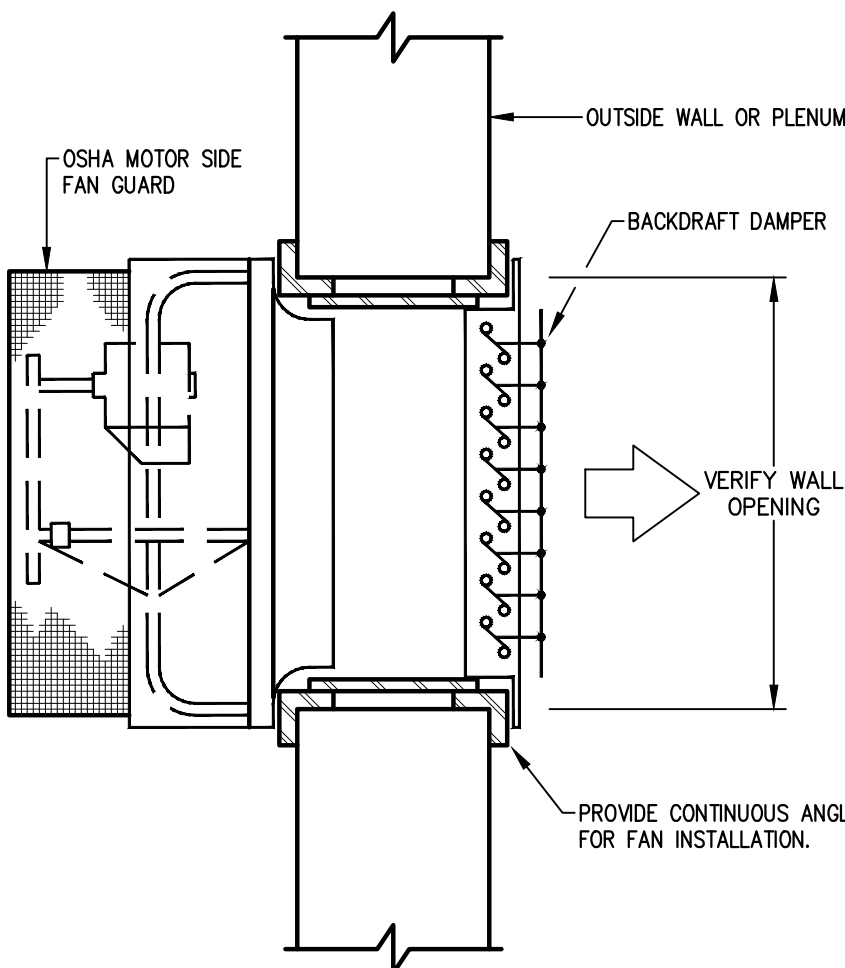


NOTES:
1. FLEXIBLE DUCTS SHALL BE INSTALLED MIN. 4" ABOVE CEILING
2. DIFFUSER BACKPAN SHALL BE INSULATED

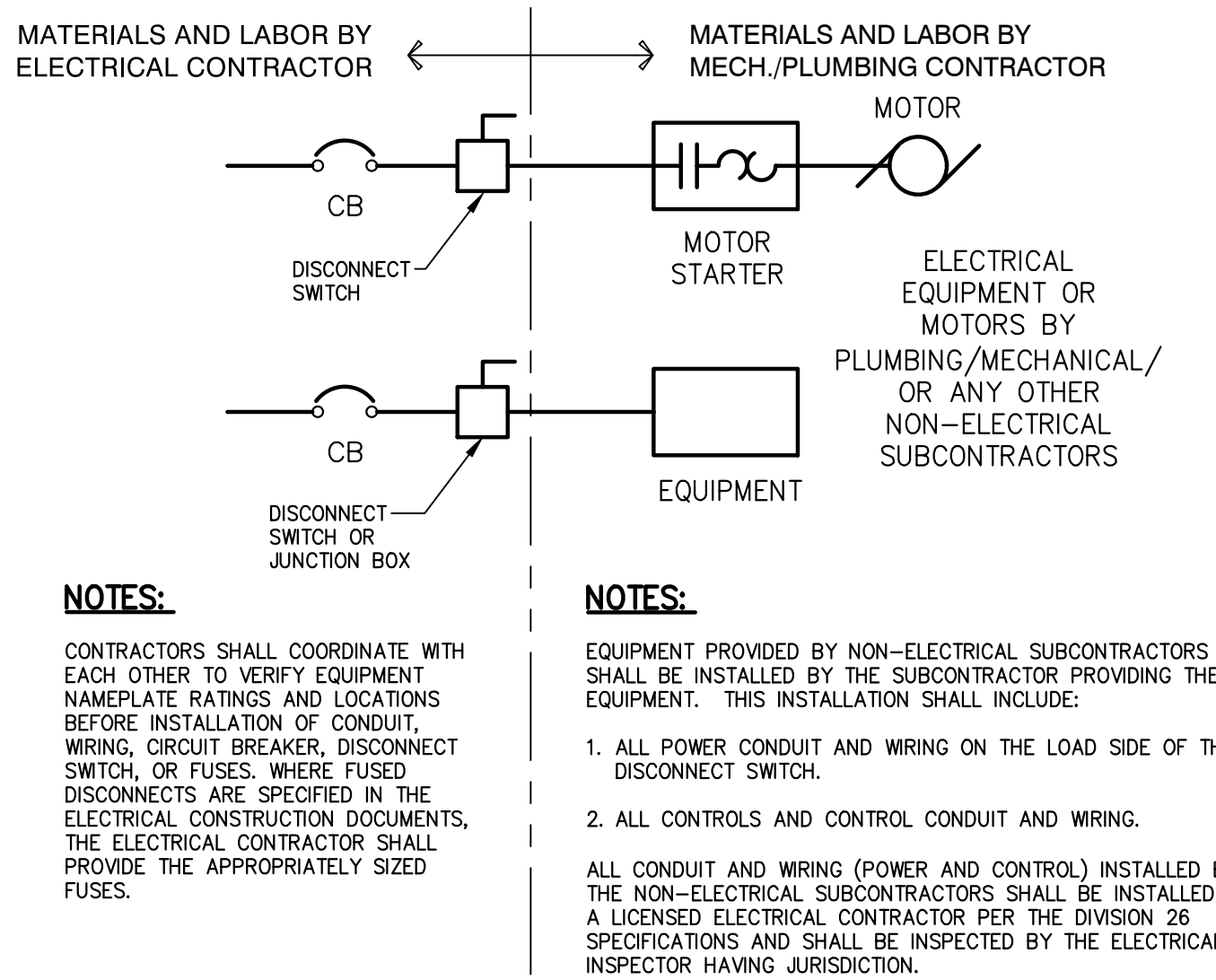
1 Diffuser Connection Detail
M2.1 SCALE: NONE



5 High Capacity Drum Louver
M2.1 SCALE: NONE



4 Wall Mounted Exhaust Fan
M2.1 SCALE: NONE



NOTES:

CONTRACTORS SHALL COORDINATE WITH EACH OTHER TO VERIFY EQUIPMENT NAMEPLATE RATINGS AND LOCATIONS BEFORE INSTALLATION OF CONDUIT, WIRING, CIRCUIT BREAKER, DISCONNECT SWITCH, OR FUSES. WHERE FUSED DISCONNECTS ARE SPECIFIED IN THE ELECTRICAL CONSTRUCTION DOCUMENTS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE APPROPRIATELY SIZED FUSES.

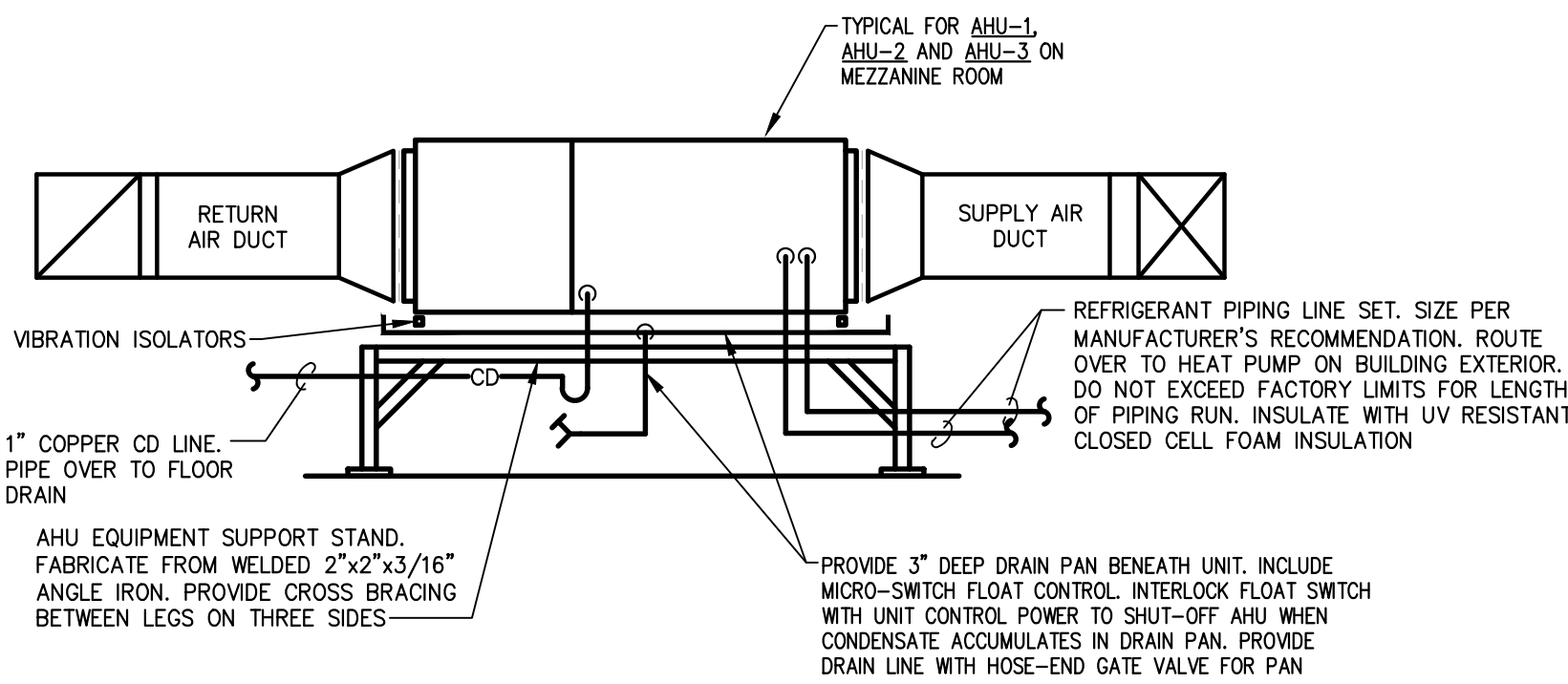
NOTES:

EQUIPMENT PROVIDED BY NON-ELECTRICAL SUBCONTRACTORS SHALL BE INSTALLED BY THE SUBCONTRACTOR PROVIDING THE EQUIPMENT. THIS INSTALLATION SHALL INCLUDE:

1. ALL POWER CONDUIT AND WIRING ON THE LOAD SIDE OF THE DISCONNECT SWITCH.
2. ALL CONTROLS AND CONTROL CONDUIT AND WIRING.

ALL CONDUIT AND WIRING (POWER AND CONTROL) INSTALLED BY THE NON-ELECTRICAL SUBCONTRACTORS SHALL BE INSTALLED BY A LICENSED ELECTRICAL CONTRACTOR PER THE DIVISION 26 SPECIFICATIONS AND SHALL BE INSPECTED BY THE ELECTRICAL INSPECTOR HAVING JURISDICTION.

7 Motor / Equipment Installation - Division of Work
M2.1 SCALE: NONE



6 AHU Horizontal Installation Detail
M2.1 SCALE: NONE