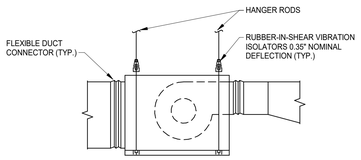
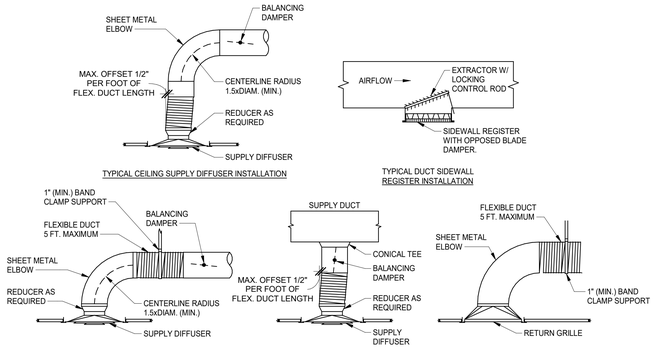
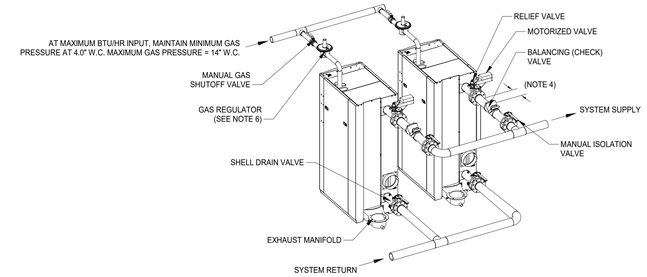


9 INLINE EXHAUST FAN DETAIL
SCALE: N.T.S.



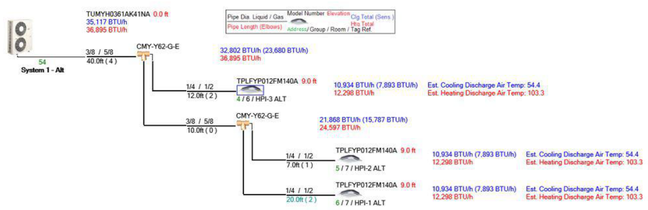
5 CEILING SUPPLY DIFFUSER AND RETURN GRILLE INSTALLATIONS
SCALE: N.T.S.



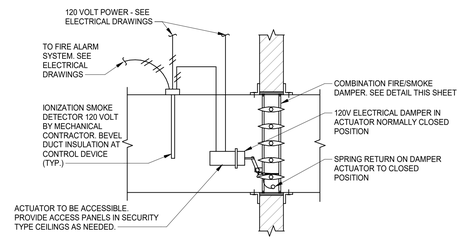
NOTES:

1. FOR ACTUAL SIZES AND LOCATIONS OF PIPING AND OTHER CONNECTIONS TO THE HEATER, SEE DRAWINGS.
2. SHELL DRAIN VALVE AND CONDENSATE HOSE SHOULD BE ARRANGED TO PERMIT THE FLUIDS TO DRAIN FREELY, BY GRAVITY, TO A FLOOR DRAIN. RELIEF VALVE DISCHARGE SHOULD BE PIPED TO THE NEAREST FLOOR DRAIN. WHEN NO FLOOR DRAIN IS AVAILABLE, THE RELIEF VALVE DISCHARGE SHOULD BE PIPED VERTICALLY TO A HEIGHT 18" ABOVE THE FLOOR.
3. ALL (*) ITEMS ARE INCLUDED SEPARATELY IN SHIPMENT.
4. LOCATE WATER INLET AND OUTLET FITTINGS (i.e.UNIONS, ELBOWS, ETC.) A MINIMUM OF 6" FROM HEATER FITTINGS, TO PREVENT INTERFERENCE WITH REMOVAL OF BOILER PANELS AND COVERS. ALL PIPING AND ELECTRIC CONNECTIONS (SERVICE SWITCHES, CONDUIT BOXES) SHOULD LIKEWISE BE 6" AWAY FROM SIDE PANELS.
5. THIS IS A TYPICAL INSTALLATION DRAWING. LOCAL CODES AND AUTHORITIES SHOULD BE CONSULTED.
6. WHEN AVAILABLE GAS PRESSURE IS GREATER THAN 14" W.C., A LOCK-UP STYLE REGULATOR MUST BE INSTALLED DOWNSTREAM OF THE MANUAL SHUTOFF VALVE TO BRING THE GAS PRESSURE DOWN TO 14" W.C. OR LESS.
7. WHEN USING THE AERCO CONDENSATE NEUTRALIZER TANK, FOR PROPER CONDENSATE DRAINAGE, THE NEUTRALIZER TANK MUST BE INSTALLED IN A PIT OR THE BOILER AND THE AERCO CONDENSATE TRAP MUST BE ELEVATED HIGHER THAN 4" ABOVE THE FLOOR. SEE CONDENSATE TANK INSTRUCTIONS TID-0074 FOR DETAILS.

4 BOILER PIPING DIAGRAM
SCALE: N.T.S.

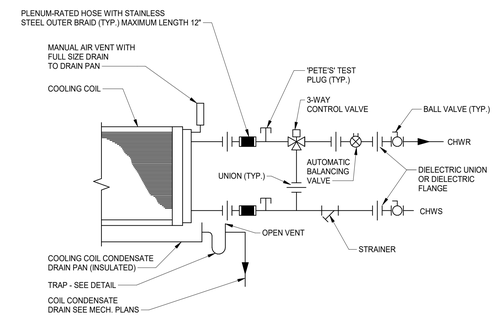


10 VRF SYSTEM PIPING DIAGRAM - DISPATCH ROOM
SCALE: N.T.S.

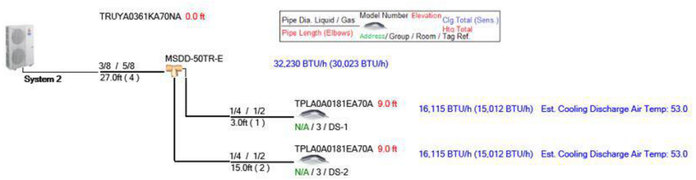


NOTE: REFER TO SMOKE EXHAUST CONTROLS SCHEMATIC FOR ADDITIONAL INFORMATION REGARDING OPERATION OF THE SYSTEM.

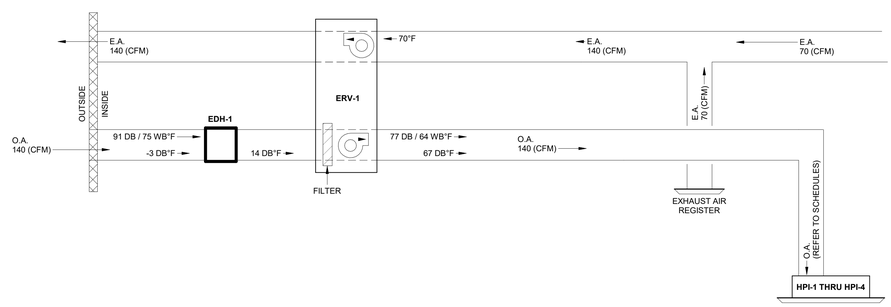
6 SMOKE DAMPER CONTROL DIAGRAM
SCALE: N.T.S.



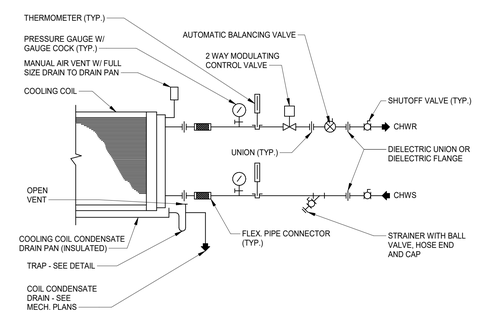
3 AIR HANDLING UNIT COIL PIPING DETAIL (3-WAY)
SCALE: N.T.S.



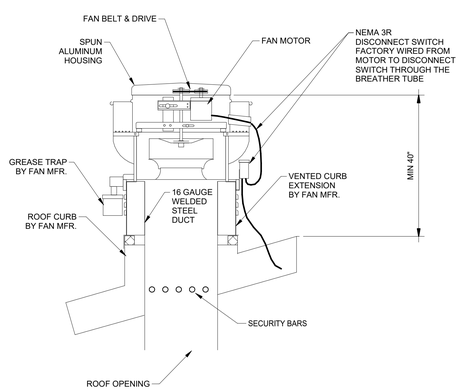
11 VRF SYSTEM PIPING DIAGRAM - ELECTRICAL ROOM
SCALE: N.T.S.



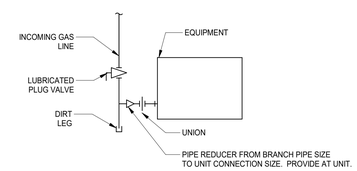
7 ENERGY RECOVERY VENTILATION SYSTEM - AIRFLOW DIAGRAM
SCALE: 12" = 1'-0"



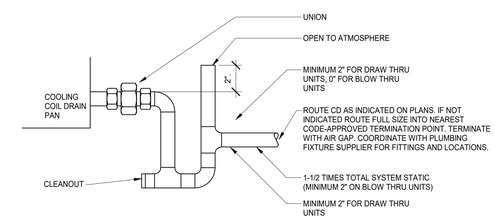
2 AIR HANDLING UNIT COIL PIPING DETAIL (2-WAY)
SCALE: N.T.S.



12 KITCHEN EXHAUST FAN DETAIL
SCALE: N.T.S.



8 GAS EQUIPMENT CONNECTION
SCALE: N.T.S.



1 COOLING COIL DRAIN TRAP DETAIL
SCALE: N.T.S.

DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
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PROFESSIONAL ENGINEER
10/06/21

NO.	REVISION	DATE

DRAWN: SSB
DESIGNED: SSB
CHK'D: ESA
APPRV'D: JRA
DATE: DECEMBER 20, 2021

PROJECT NUMBER
2063-1048-90

SULLIVAN COUNTY SHERIFF'S OFFICE AND CORRECTIONAL FACILITY
2357 NORTH SECTION STREET SULLIVAN, INDIANA 47882

MECHANICAL DETAILS - II

DRAWING NUMBER
M5.2

MECHANICAL

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