

| CONTROLS FOR VAV BOX, EACH | | | | | |
|----------------------------|---------|--------|---------|--------|-------|
| POINT DESCRIPTION | INPUT | | OUTPUT | | ALARM |
| | DIGITAL | ANALOG | DIGITAL | ANALOG | |
| SPACE TEMP | | X | | | |
| AIR FLOW | | X | | | |
| DAMPER POSITION | | | | X | |
| HEATING VALVE | | | | X | |
| DISCHARGE TEMPERATURE | | X | | | |
| CO2 LEVEL | X | | | | X |

| CONTROLS FOR IAC-1A &1B /HP-1 | | | | | |
|-------------------------------|---------|--------|---------|--------|-------|
| POINT DESCRIPTION | INPUT | | OUTPUT | | ALARM |
| | DIGITAL | ANALOG | DIGITAL | ANALOG | |
| SPACE TEMP | | X | | | X |

| CONTROLS FOR EXH. FAN, EACH | | | | | |
|-----------------------------|---------|--------|---------|--------|-------|
| POINT DESCRIPTION | INPUT | | OUTPUT | | ALARM |
| | DIGITAL | ANALOG | DIGITAL | ANALOG | |
| EXHAUST FAN STATUS | | | | X | X |
| EXH DAMPER (EF-1 ONL7) | | | X | | |

EQUIPMENT ABBREVIATIONS:

P - PUMP
FP - FUEL PUMP
SP- SUMP PUMP
BP - BOOSTER PUMP
HWP - HEATING WATER PUMP
CHP - CHILLED WATER PUMP
CHRP - CHILLED WATER RISER PUMP
CWP - CONDENSING WATER PUMP
CSP - COOLING TOWER SUMP PUMP
HWRP - DOMESTIC HOT WATER RECIRCULATION
VFD - VARIABLE FREQUENCY DRIVE
CT - CONTACTOR
CC - CONTROL COMPRESSOR
CH - CHILLER
CT - COOLING TOWER
B - BOILER
EF - EXHAUST FAN
RF - RETURN/RELIEF FAN
AH - AIR HANDLER
MZ - MULTIZONE AIR HANDLER
HP - HEAT PUMP
VAV - VARIABLE AIR VOLUME DAMPER BOX
AD - AREA DAMPER
SD - SMOKE DAMPER
SFD - FIRE SMOKE COMBINATION DAMPER
H - HUMIDIFIER
V - VALVE
WH - WATER HEATER
BAS - BUILDING AUTOMATION SYSTEM

AIR FLOW ABBREVIATIONS:

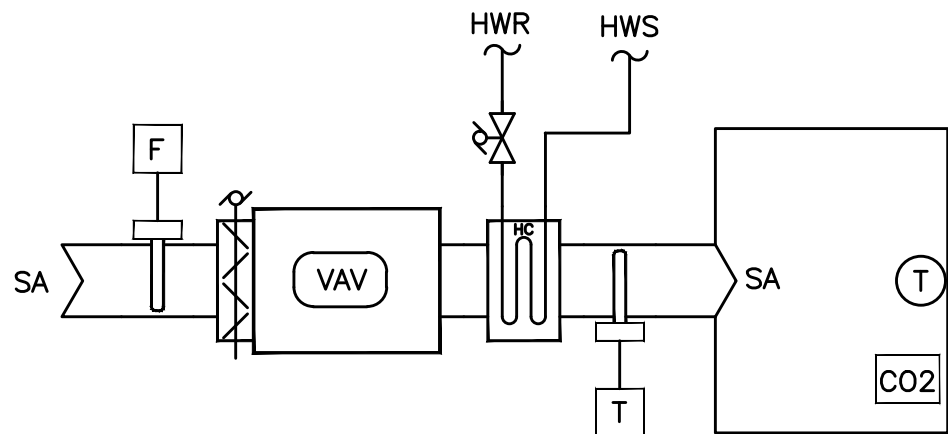
OSA - OUTSIDE AIR
RA - RETURN AIR
SA - SUPPLY AIR
EXH - EXHAUSTED AIR

CONTROL SUBSCRIPTS AND SUPERSSCRIPTS:

P - PNEUMATIC
E - ELECTRIC

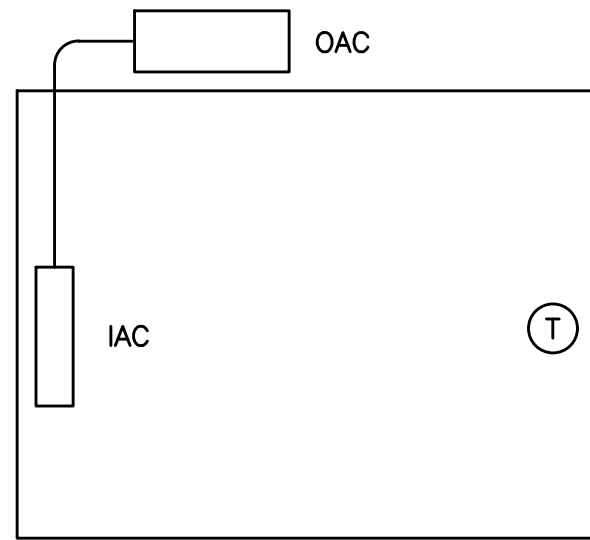
PLUMBING ABBREVIATIONS:

CHS - CHILLED WATER SUPPLY
CHR - CHILLED WATER RETURN
CWS - CONDENSING WATER SUPPLY
CWR - CONDENSING WATER RETURN
HWS - HEATING WATER SUPPLY
HWR - HEATING WATER RETURN
HW - DOMESTIC HOT WATER
CW - DOMESTIC COLD WATER
GPM - GALLONS PER MINUTE
DB - DOUBLE VALVE OPERATOR

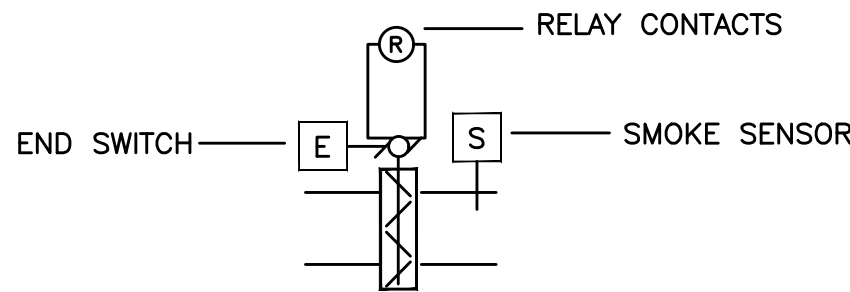


SAME SEQUENCE OF OPERATIONS FOR EXISTING VAV BOXES SHALL BE USED FOR NEW/MODIFIED VAV BOXES. COORDINATE SCHEDULES WITH OWNER.

1 VAV BOX CONTROL DIAGRAM
M6.2 NTS

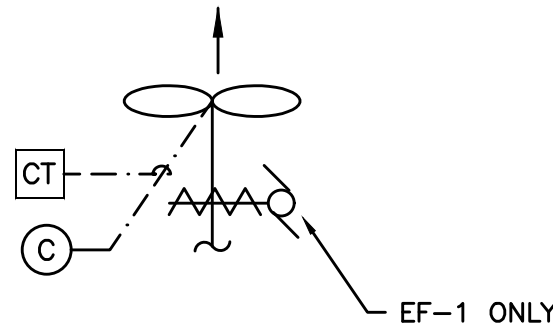


5 SPLIT SYSTEM
M6.2 DIAGRAM



2 FIRE/SMOKE DAMPER CONTROL
M6.2 DIAGRAM

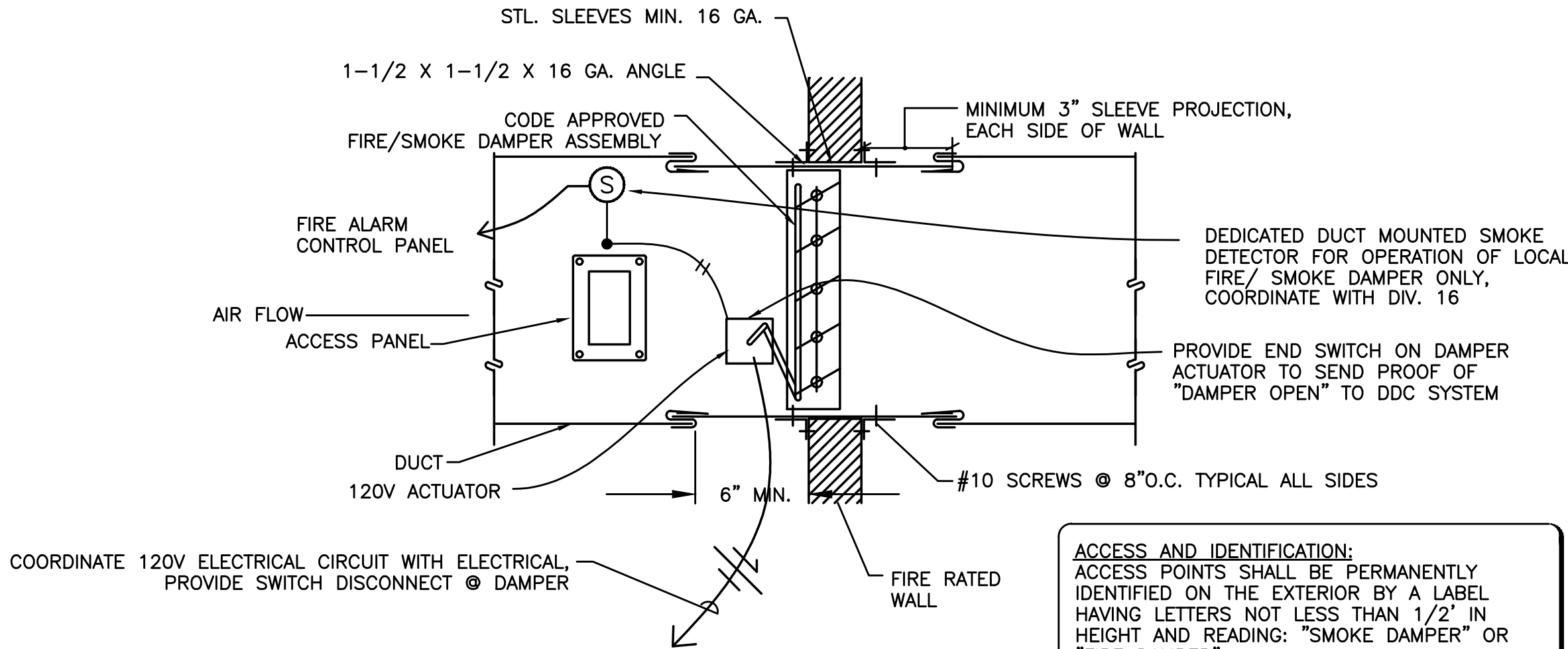
EXH HOOD SWITCH
TO START/STOP EF-1, GEF-1
AND GEF-2



6 EXH FAN CONTROL DIAGRAM
M6.2 NTS

LEGEND

| | | | |
|-----------------------|---------------------------------------|--------------------------------|---------------------|
| [P] DUCT PRESSURE | [T] SPACE TEMPERATURE SENSOR | [CT] CURRENT TRANSFORMER | [H] HUMIDITY SENSOR |
| [LL] LOW LIMIT SENSOR | [P] SPACE PRESSURE SENSOR | [F] AIR FLOW STATION | [2-WAY VALVE] |
| [SD] SMOKE DETECTOR | [DP] DIFFERENTIAL PRESSURE SENSOR | [VFD] VARIABLE FREQUENCY DRIVE | [3-WAY VALVE] |
| [CO2] CO2 SENSOR | [T] TEMPERATURE SENSOR | [C] CONTACTOR/STARTER | [MOTORIZED DAMPER] |
| [PUMP] PUMP | [OAS] OUTSIDE AIR MEASUREMENT STATION | | |



3 FIRE/SMOKE DAMPER W/SMOKE DETECTOR
M6.2 NOT TO SCALE

NOTE:

PROVIDE ALL REQUIRED CONTROL WIRING TO ACCOMPLISH:

FIRE/SMOKE DAMPER - FIRE/SMOKE DAMPER TO CLOSE UPON ACTIVATION OF LOCAL SMOKE DETECTOR (VIA FIRE ALARM)

EXHAUST DUCTS/FANS - FIRE/SMOKE DAMPER TO CLOSE UPON SHUTDOWN OF ASSOCIATED EXHAUST FAN. (VIA DDC)

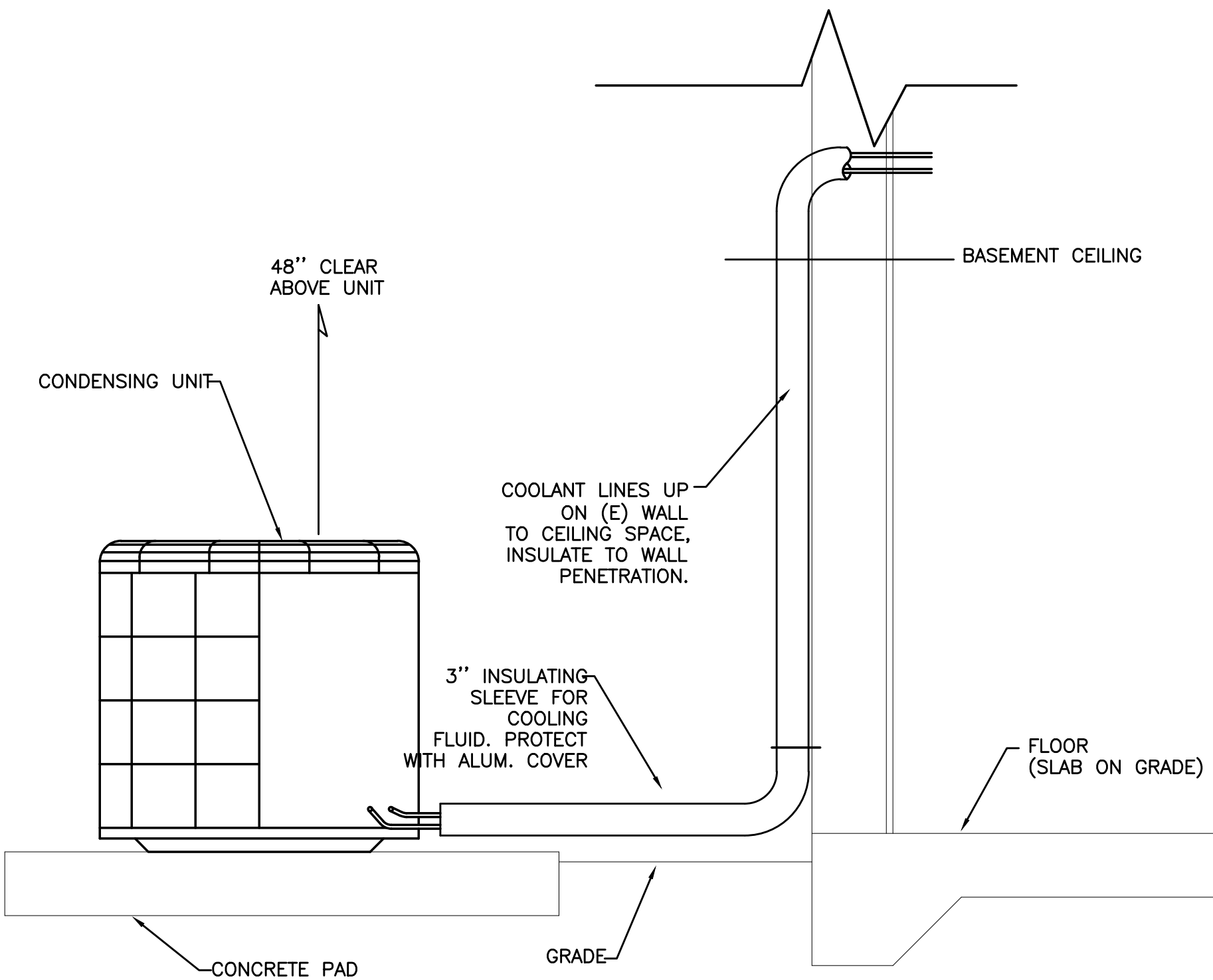
SUPPLY OR RETURN DUCTS/FANS - FIRE/SMOKE DAMPER TO CLOSE UPON SHUTDOWN OF ASSOCIATED AIR HANDLING UNIT. (VIA DDC)

AHUs OR EXHAUST FANS: - AIR HANDLING UNITS TO SHUT DOWN UPON LOSS OF "PROOF OF OPEN" SIGNAL FROM DAMPER END SWITCH (VIA DDC)

GENERAL NOTES:

PROVIDE ACCESS IN CEILING OR WALL FOR DAMPER AND SMOKE DETECTOR

SEE ELECTRICAL FOR WIRING INSTALLATION



4 CONDENSER INSTALLATION
M6.2 DETAIL



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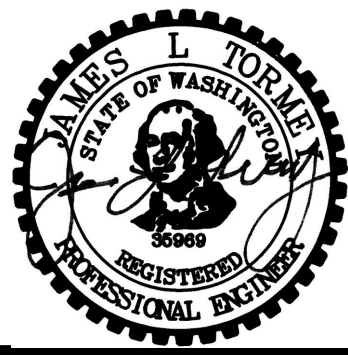
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THIS PROJECT INCLUDES THE INTERIOR REMODEL OF AN EXISTING CRITICAL ACCESS HOSPITAL FACILITY THAT IS TO REMAIN OPERATIONAL AT ALL TIMES. CONTRACTOR BIDS SHALL BE BASED ON VERIFICATION OF EXISTING ON-SITE CONDITIONS. UNINTERRUPTED ESSENTIAL HEALTHCARE SERVICES DURING THE CONSTRUCTION PERIOD. ONGOING COORDINATION OF ALL RELATED TRADES FOR CURRENT CODE COMPLIANCE, PATIENT SAFETY, JURISDICTIONAL REVIEW, SYSTEM PERFORMANCE AND UNFORESEEN (CLINICAL) DISRUPTION(S).

INTERIOR REMODEL FOR:



CRS 60155468

211 SKYLINE DRIVE
WHITE SALMON, WASHINGTON 98672

PROJECT NUMBER: 180002c
DATE: 2/14/2018
DRAWN: TB
REVISIONS:

PERMIT SET

MECHANICAL DETAILS AND CONTROLS

M6.2

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