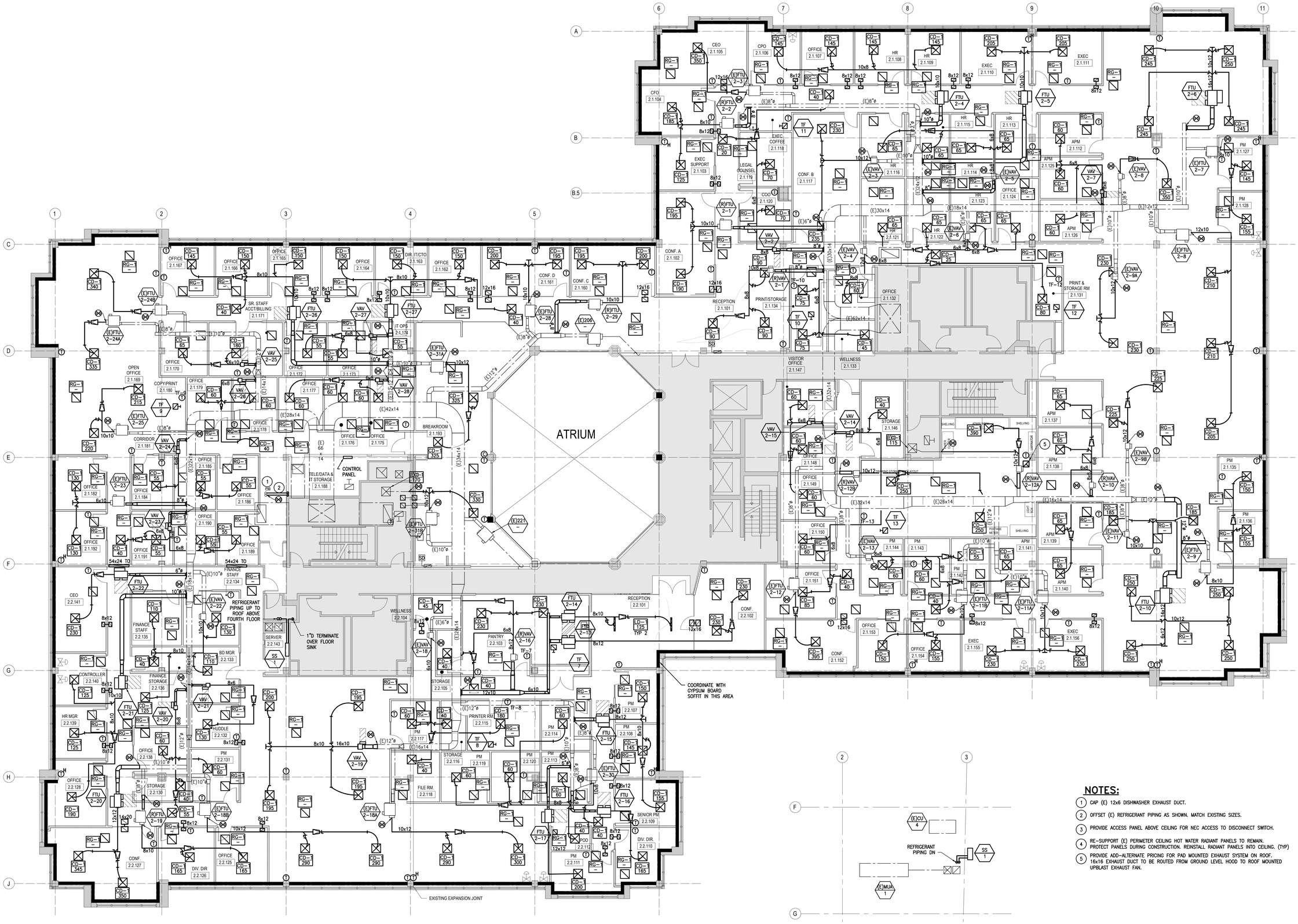
THE LINE SHOWN AT LEFT IS EXACTLY ONE INCH LONG. AT THIS SHEETS ORIGINAL PAGE SIZE

08/27/19



1 M202 MECHANICAL – 2nd FLOOR PLAN – NEW WORK
SCALE: 1/8" = 1'-0"

2 M202 MECHANICAL – PARTIAL ROOF PLAN – NEW WORK
SCALE: 1/8" = 1'-0"

NOTES:

1. CAP (E) 12x6 DISHWASHER EXHAUST DUCT.
2. OFFSET (E) REFRIGERANT PIPING AS SHOWN. MATCH EXISTING SIZES.
3. PROVIDE ACCESS PANEL ABOVE CEILING FOR NEC ACCESS TO DISCONNECT SWITCH.
4. RE-SUPPORT (E) PERIMETER CEILING HOT WATER RADIANT PANELS TO REMAIN. PROTECT PANELS DURING CONSTRUCTION. REINSTALL RADIANT PANELS INTO CEILING. (TYP)
5. PROVIDE ADD-ALTERNATE PRICING FOR PAD MOUNTED EXHAUST SYSTEM ON ROOF. 16x16 EXHAUST DUCT TO BE ROUTED FROM GROUND LEVEL HOOD TO ROOF MOUNTED UPBLAST EXHAUST FAN.

08/26/19	ISSUE FOR PERMIT
09/17/19	ISSUE FOR BID

Project No.:
Issued: 09/17/19
MECHANICAL - 2nd FLOOR PLAN - NEW WORK

M202

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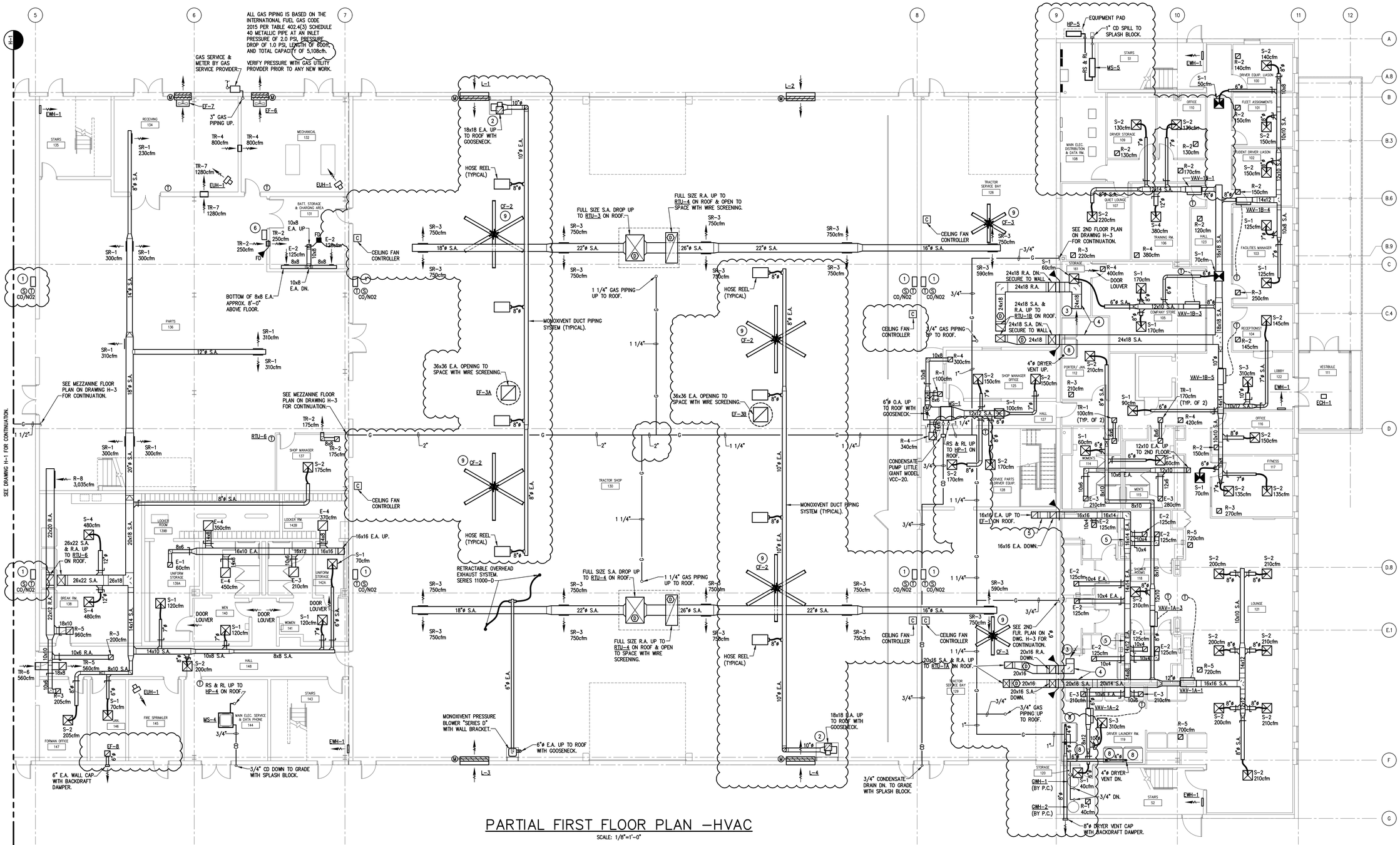

PARTIAL FIRST FLOOR PLAN –HVAC

SCALE: 1/8"=1'-0"

CONNECTED GAS LOAD SCHEDULE

EQUIPMENT	MANUFACTURER	MODEL NO.	QTY.	LOAD CFH
RTU-1A	AAON	RN-010-3	1	210
RTU-1B	TRANE	YSC120F4RMA	1	200
RTU-2A	TRANE	YHC102F4RMA	1	150
RTU-2B	TRANE	YHD150G4RHA	1	250
RTU-3	AAON	RN-026-3	1	810
RTU-4	AAON	RN-026-3	1	810
RTU-5	TRANE	YSD150F4RHA	1	250
RTU-6	TRANE	YSC120F4RMA	1	200
RTU-7	TRANE	YSD210F4RHB	1	350
RTU-8	TRANE	YSD210F4RHB	1	350
RTU-9	GREENHECK	IGX-115-H22	1	400
GWH-1	A.O. SMITH	BTH-150	1	199
GWH-2	A.O. SMITH	BTH-150	1	199
PRESSURE WASHER	HOTSY	1455N	1	365
FUTURE	–	–	1	365
				TOTAL CFH 5,108

GENERAL NOTES

1. ALL FIRE DAMPERS & COMBINATION FIRE/SMOKE DAMPERS TO HAVE END SWITCH WIRE TO CLOSED DAMPER.

DRAWING NOTES

1. ARMSTRONG MONITORING CORP. MODEL # AMC-1AVC

   DUAL CHANNEL, SELF CONTAINED CARBON MONOXIDE/NITROGEN DIOXIDE MONITOR WITH INTEGRAL ELECTROCHEMICAL SENSORS.

   UNIT SHALL CONSIST OF:

   - MONITOR SHALL BE ENCLOSED IN A DURABLE STEEL CABINET.
   - LONG LIFE FACTORY CALIBRATED ELECTROCHEMICAL SENSORS.
   - DUAL ALARM TRIP POINTS SET FOR 25 PPM AND 100 PPM CARBON MONOXIDE AND 1 PPM AND 3 PPM NITROGEN DIOXIDE.
   - TIME DELAY FOR TURN ON TO PREVENT ALARMS DURING WARM-UP.
   - MINIMUM RUN TIMER TO PREVENT "SHORT CYCLING" OF INTERLOCKED EQUIPMENT.
   - DUAL DPDT 10A RELAYS FOR ALARM ACTUATION AND CONTROL OF VENTILATION EQUIPMENT AND/OR AUXILIARY ALARM.
   - LEDS FOR POWER ON, ALARM, WARNING AND FAIL, PLUS AN AUDIBLE INDICATOR CAPABLE OF BEING SILENCED FOR WARNING OR ALARM.
   - TEST SEQUENCE FOR MONITOR ACTIVATED BY SINGLE PUSH BUTTON.
   - TAMPER PROOF DESIGN WITH NO ACCESSIBLE ADJUSTMENTS ON EXTERIOR OF CABINET.
   - ALARMS SHALL BE EQUIPPED WITH USER ACTIVATED TIME DELAYS WHEREBY, WHEN CHOSEN, WARNING OR ALARM CONDITIONS MUST PREVAIL FOR FIVE(5) MINUTES RESPECTIVELY BEFORE ACTIVATION OCCURS.
   - ALARMS SHALL BE EQUIPPED WITH DEAD BAND, WHICH REQUIRES GAS LEVELS TO DECLINE SLIGHTLY BELOW THE ORIGINAL TRIP POINT BEFORE ALARMS WILL AUTOMATICALLY RESET.
   - MONITOR SHOULD BE MOUNTED THREE TO FOUR(3–4 ft) ABOVE FINISHED FLOOR LEVEL AND IS CAPABLE OF COVERING UP TO 7,500 SQ. FT.
   - ALARM SHALL OPEN LOUVER MOTORIZED DAMPER, OPEN FAN MOTORIZED DAMPER AND START FAN.

2. PROVIDE & INSTALL "MONOXIVENT" OVERHEAD EXHAUST SYSTEM FOR DIESEL TRUCKS. SYSTEM INCLUDES BUT NOT LIMITED TO SERIES 4000 HIGH TEMPERATURE EXHAUST EXTRACTION HOSE & REEL, QUICK RELEASE COUPLERS, ADAPTERS, CLAMPS, PULL DOWN ROPE, LIFTING POLE, SERIES BI (120 CPS) INCLINE EXHAUST FAN & PLATFORM. INSTALL PER MANUFACTURER RECOMMENDATIONS. FOR MORE INFORMATION SEE SOURCE CAPTURE SYSTEM SPECIFICATIONS ON DRAWING H-3.0
3. R.A DUCT OPEN TO PLENUM SPACE WITH WIRE SCREENING.
4. INSULATE THE FIRST 20'-0" OF DUCT WITH 1" ACOUSTICAL DUCT LINER.
5. ALL DUCTWORK FOR EF-1 SHALL BE OF ALUMINUM CONSTRUCTION SEALED WATERTIGHT. PITCH DUCT FROM HIGH POINT TO EXHAUST SKIRT OR PROVIDE DRAIN.
6. PROVIDE WALL MOUNTED ALARM IF EF-4 IS NOT OPERATING.
7. NOT USED
8. PROVIDE INLINE DRYER EXHAUST BOOSTER FAN. FANTECH DBF SERIES OR APPROVED EQUAL.
9. MOUNT CEILING FAN BELOW DUCTWORK AND ABOVE LIGHTS. COORDINATE WITH OWNER & E.C.

REVISIONS
ISSUED FOR PERMIT 05-27-2020
PROGRESS 08-21-2020
CONSTRUCTION SET 10-09-2020

ENGINEER:

PARTIAL FIRST FLOOR PLAN – HVAC

date: 05-21-20
drawn by:
proj. no:
scale: AS NOTED

H-2