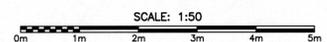


HVAC REMOVALS



REFERENCE NOTES:

- 1 ADD ONE NEW TYCO UPRIGHT SPRINKLER WITH GUARD AS SHOWN. HEAD SHALL BE 19mm, K-8.0, QUICK RESPONSE, 141°C TO MATCH EXISTING.
- 2 CONNECT NEW 25# TO EXISTING 40# IN THIS LOCATION.
- 3 EXISTING SPRINKLER PIPING AND HEADS SHALL REMAIN. SHOWN FOR REFERENCE ONLY.
- 4 PROVIDE NEW 10lb ABC EXTINGUISHER.
- 5 PROVIDE AND INSTALL NEW DDC WALL MOUNTED SENSOR TO CONTROL EXISTING UNIT HEATER. SENSOR SHALL MATCH EXISTING.
- 6 RELOCATE EXISTING WALL SENSOR AS SHOWN TO ALLOW ROOM FOR PANEL "EPDA" RELOCATION.
- 7 MOUNT NEW ENERGY RECOVERY VENTILATOR IN THIS LOCATION AT APPROX. 1.5m AFF. PROVIDE PAINTED STEEL FLOOR STAND.
- 8 CONNECT 12mm# COPPER CONDENSATE DRAIN FROM UNIT OUTLET c/w DEEP SEAL TRAP TO EXISTING PLENUM DRAIN BELOW EXISTING PLENUM.
- 9 REMOVE AND REINSTALL EXISTING SINK STYLE PLENUM DRAIN PIECES IN EXISTING PLENUM. ADD GASKETS AND SEALANT AS REQUIRED TO MAKE WATERTIGHT (3 SUCH).
- 10 INSTALL NEW 600x600mm INSULATED ACCESS DOOR IN SIDE OF INTAKE PLENUM (IF NOT CURRENTLY EXISTING ON SITE).
- 11 INSTALL NEW WATER PROOF MASTIC ON ALL JOINTS IN BOTTOM OF INTAKE PLENUM (ON INSIDE SURFACE). EXISTING MASTIC MAY REMAIN IN PLACE PROVIDED CONTRACTOR CONFIRMS IT IS NON-COMBUSTIBLE AND IS NOT LEAKING.

LEGEND

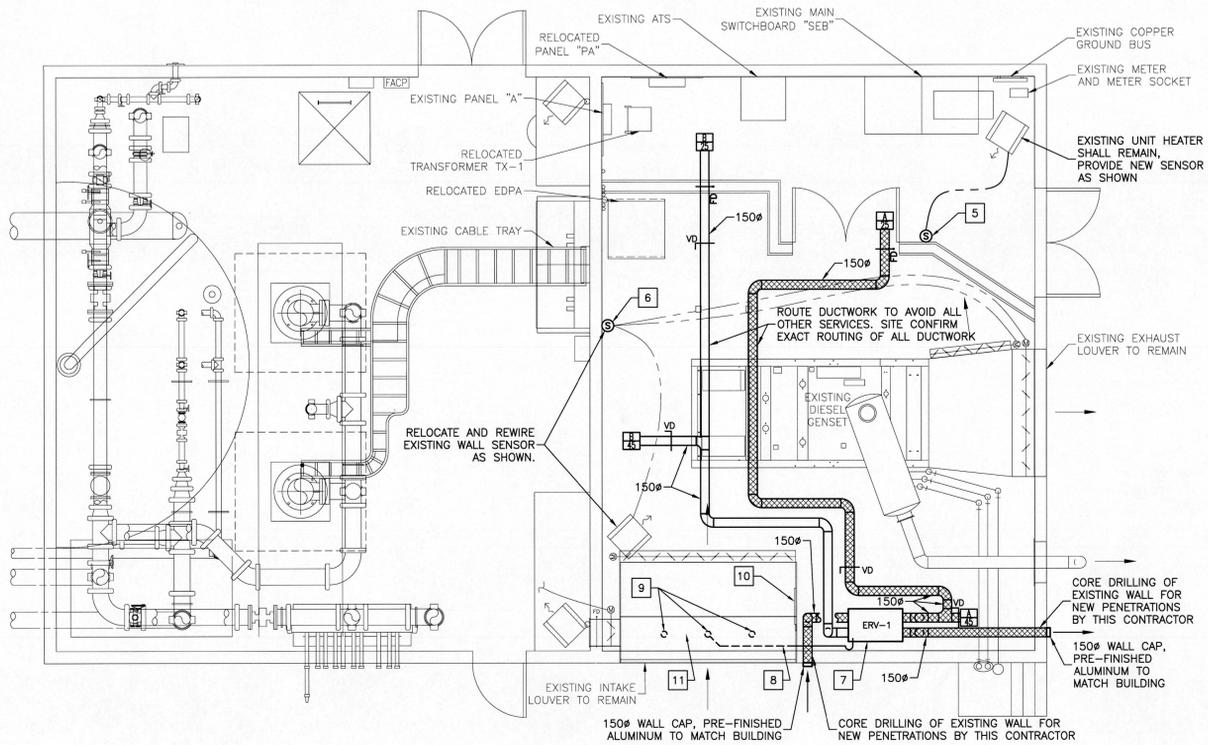
- EXISTING DUCTWORK
- NEW DUCTWORK
- NEW THERMAL INSULATION (50mm)
- NEW DIFFUSER/GRILLE
- NEW VOLUME DAMPER
- NEW FIRE DAMPER
- EXISTING MOTORIZED DAMPER
- NEW SENSOR TO BE RELOCATED
- NEW SENSOR
- EXISTING SPRINKLER PIPE
- NEW SPRINKLER PIPE
- EXISTING 10LB ABC EXTINGUISHER
- EXISTING 10LB ABC EXTINGUISHER
- EXISTING UPRIGHT 19mm, K8.0, QR, TY:313 BRASS 141°C
- NEW UPRIGHT 19mm, K8.0, QR, TY:313 BRASS 141°C
- EXISTING UPRIGHT 19mm, K8.0, QR, TY:313 BRASS 97°C
- EXISTING HEAD GUARD
- NEW HEAD GUARD
- REMOVALS

ENERGY RECOVERY VENTILATOR SCHEDULE								
NO.	MANUF.	CAPACITY LOW SPEED	CAPACITY HIGH SPEED	EFFICIENCY AT 0°C & LOW SPEED	ELECTRICAL			REMARKS
					V	PH	WATTS	
ERV-1	-	41 l/s @ 100 Pa.	69 l/s @ 100 Pa	72%	120	1	156	DISCONNECT SWITCH AND INTERLOCK WITH LIGHTS BY ELECTRICAL.

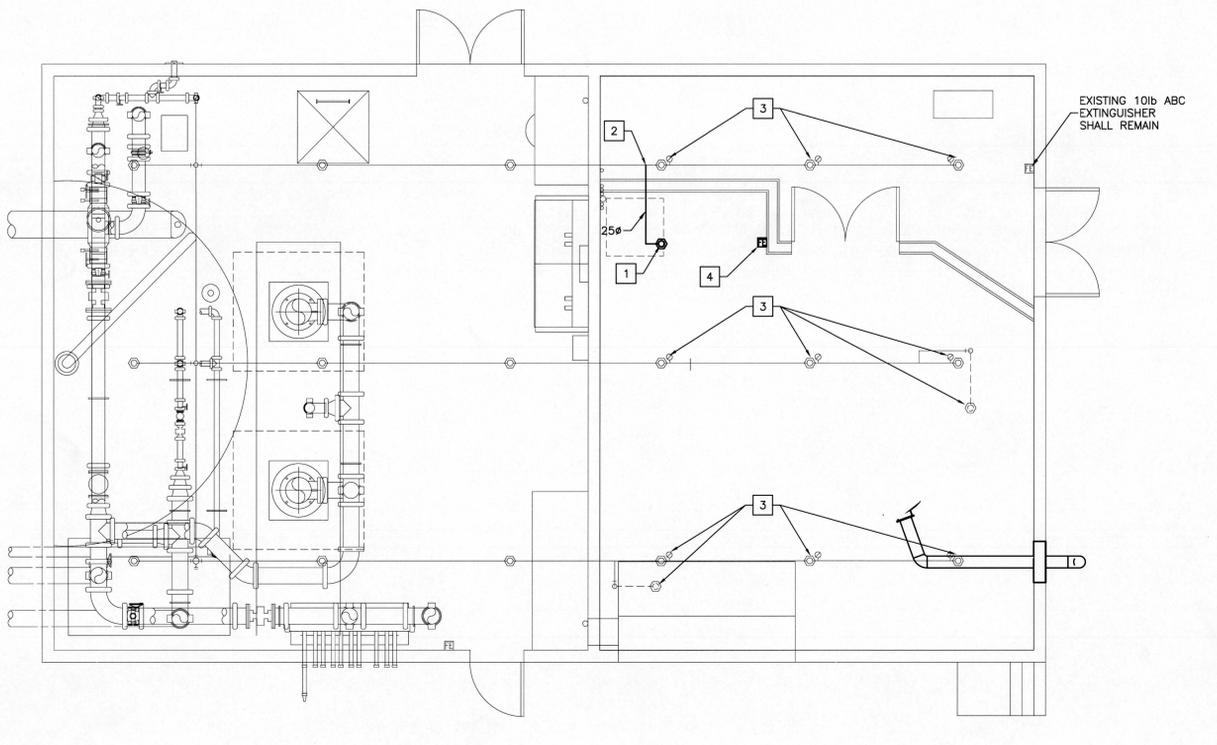
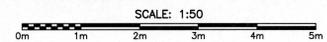
UNIT c/w DEFROST CYCLE, RUN CONSTANTLY ON LOW SPEED AND GO TO HIGH SPEED OPERATION DURING OCCUPIED PERIOD ON INTERLOCK WITH LIGHTS.
ACCEPTABLE MANUFACTURERS: FANTECH SHR 150, GREENTEK, NU-AIRE

DIFFUSER / GRILLE SCHEDULE							
NO.	TYPE	SERVICE	L/S RANGE	NECK SIZE	THROW m	PATTERN	MANUFACTURER
A	GRID FACE DUCT MOUNT	SUPPLY	0-50	150	-	40°	E.H. PRICE 150/RCDE/B12
B	GRID FACE DUCT MOUNT	EXHAUST	0-50	150x150	-	40°	E.H. PRICE 150x150/80/ED/A/B12

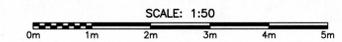
REMARKS: ALTERNATE MANUFACTURERS: TITUS, TUTLE & BAILEY



REVISED HVAC LAYOUT



REVISED SPRINKLER LAYOUT



JOB# 2004320

North Nord Stamp Estampe

PROVINCE OF NEWFOUNDLAND AND LABRADOR PERMIT HOLDER This Permit Allows CRANDALL ENGINEERING LTD. To practice Professional Engineering in Newfoundland and Labrador. Permit No. as issued by PECA 2021-02-09

0	ISSUED FOR TENDER	FEB 10 2021
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project project
NEW BOOSTER STATION ELECTRICAL ROOM
WABUSH AIRPORT WABUSH, NL

drawing design
MECHANICAL RENOVATIONS AND SCHEDULES

designed	CHARLES EDWARDS	conçu
date	FEBRUARY 10 2021	
drawn	VICKI THEBEAU	dessiné
date	FEBRUARY 10 2021	
approved	MICHAEL MCCABE	approuvé
date	FEBRUARY 10 2021	
Tender		Submission

PWOSC Project Manager Administrateur de projets TPSCC
project number no. du projet
R.080992.002

drawing no. no. du dessin
M01