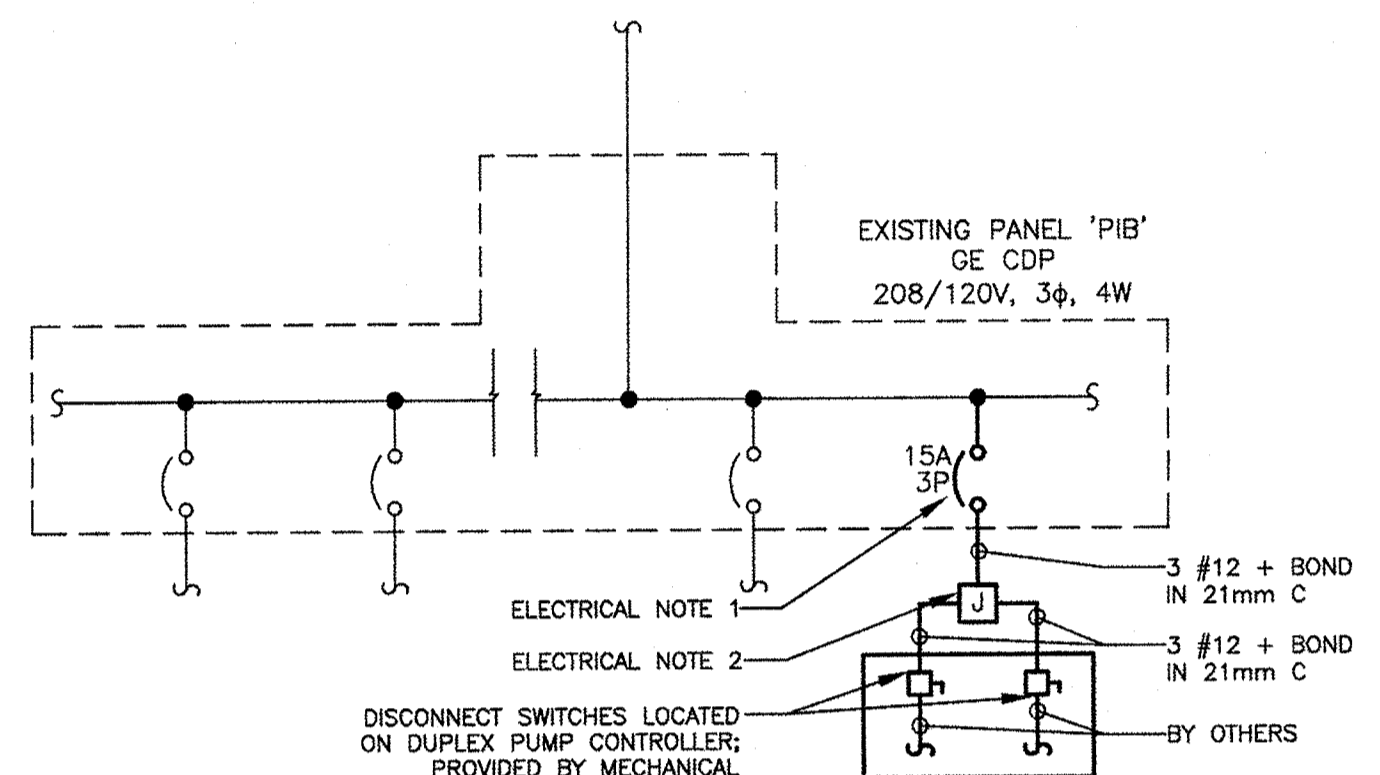


BOILER PIPING ISOMETRIC © ATB
N.T.S.

GENERAL NOTES – ELECTRICAL

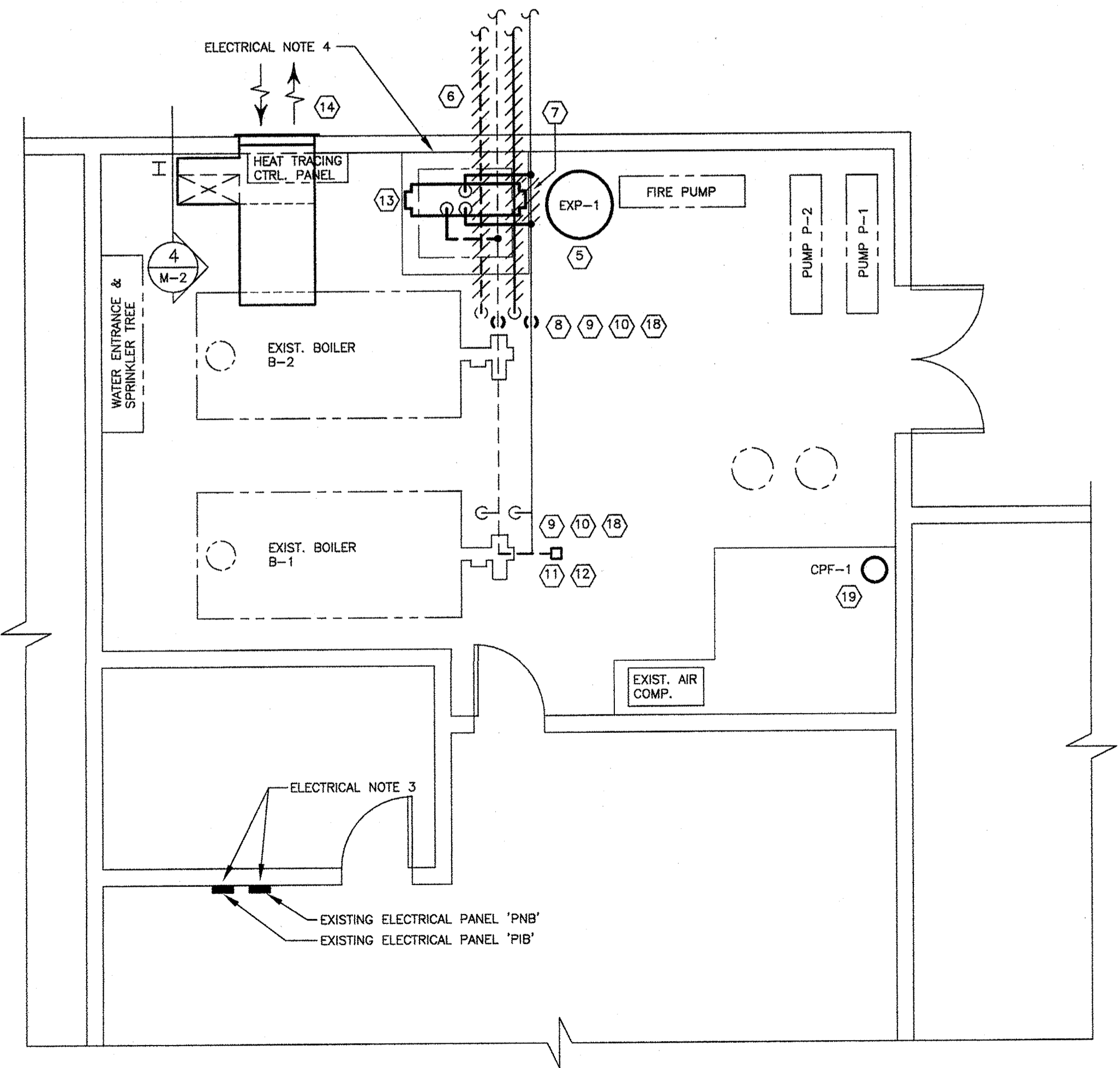
1. PROVIDE 15A, 3P BREAKER IN EXISTING PANEL 'PIB', CIRCUIT 1.
2. PROVIDE JUNCTION BOX, SIZED AS REQUIRED, TO SPLIT FEED FROM BREAKER TO DISCONNECT SWITCHES.
3. APPROXIMATE LOCATION OF EXISTING PANELS. CONFIRM EXACT LOCATION ON SITE.
4. APPROXIMATE LOCATION OF DUPLEX PUMPS. FOR EXACT LOCATION, COORDINATE ON SITE WITH MECHANICAL CONTRACTOR.



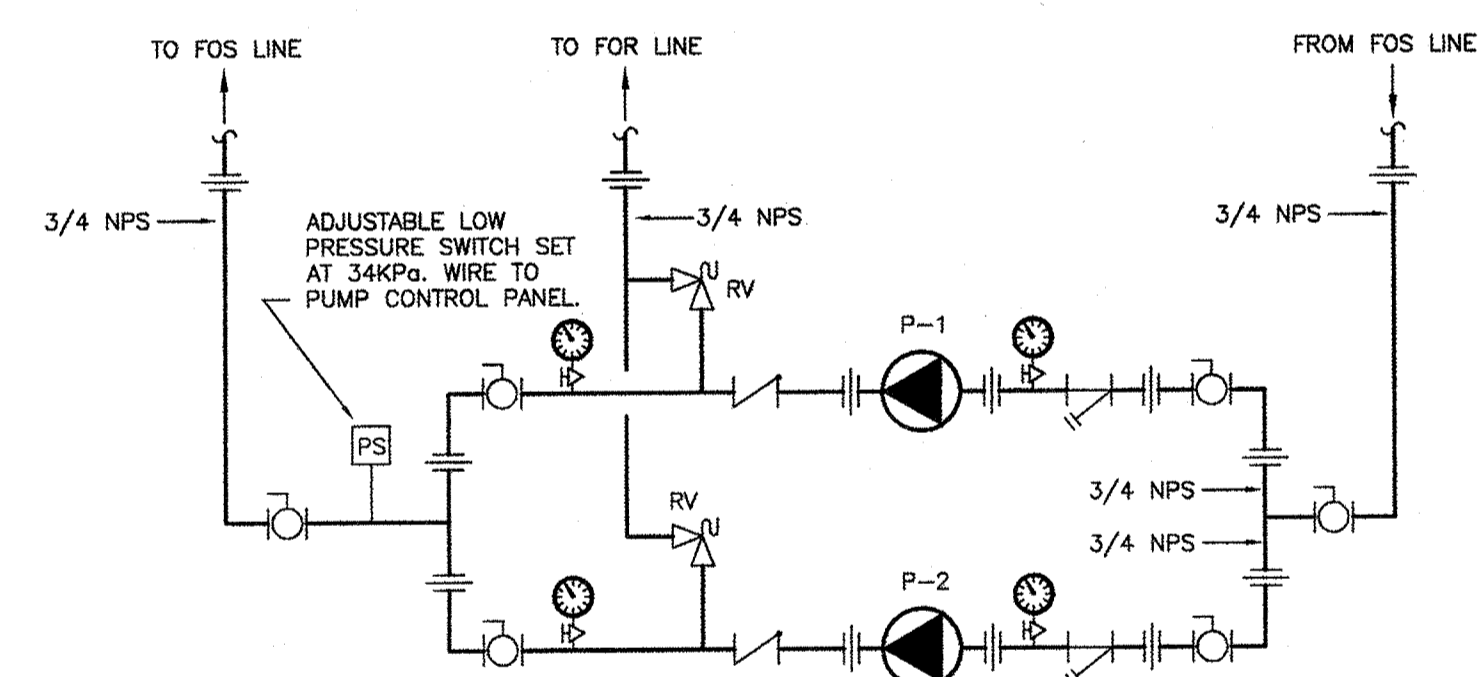
1 PARTIAL SINGLE LINE DIAGRAM
M-2 N.T.S.

KEYNOTES – MECHANICAL

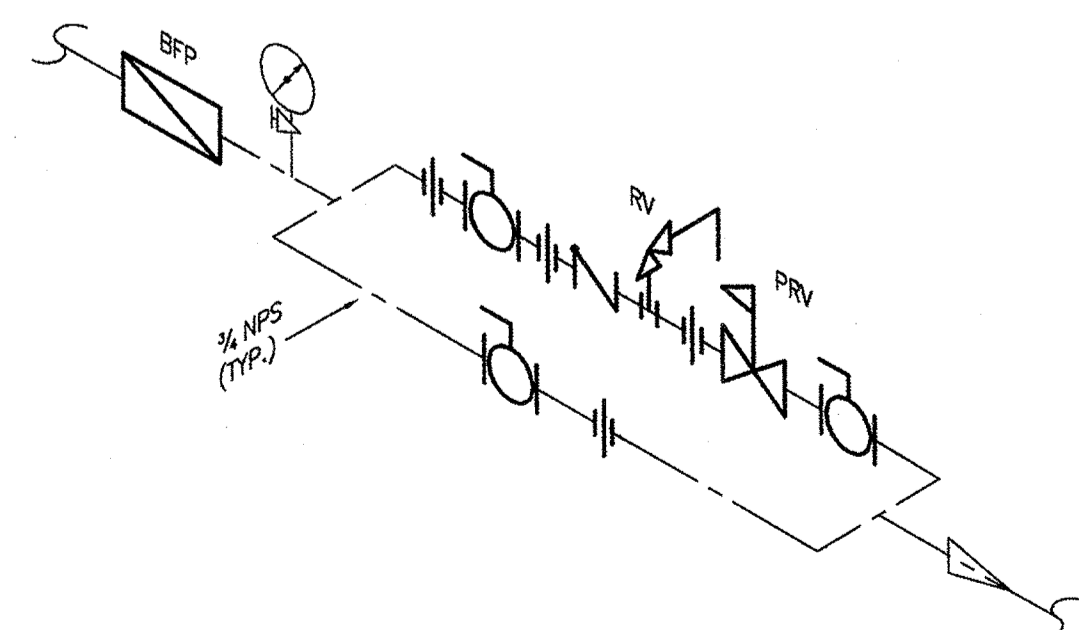
1. REPLACE EXISTING THERMOMETER WITH NEW. REFER TO SPECIFICATION SECTION 23 05 19.01.
2. REPLACE EXISTING PRESSURE GAUGE WITH NEW. REFER TO SPECIFICATION SECTION 23 05 19.01.
3. REPLACE EXISTING BOILER MOUNTED ROTARY THERMOMETER. REFER TO SPECIFICATION SECTION 23 05 19.01.
4. REMOVE EXISTING BOILER MOUNTED AIR VENT AND REPLACE WITH NEW. REINSTATE RELIEF PIPING DOWN TO FLOOR.
5. REPLACE EXISTING EXPANSION TANK WITH NEW. REFER TO SPECIFICATION SECTION 23 21 14.
6. REMOVE EXISTING 3/4 NPS FOS AND FOR PIPING AS INDICATED FROM BURNER BACK TO STORAGE TANK. CAP OFF ABANDONED CONNECTIONS AT TANK.
7. REMOVE INDICATED SEGMENT OF 3/4 NPS FOS LINE AND CONNECT OIL TRANSFER PUMP SYSTEM AS SHOWN ON DETAIL.
8. DROP NEW 3/4 NPS FOS AND FOR BRANCHES TO BURNERS.
9. REINSTATE EXISTING FUEL FILTER FITTINGS AND PROVIDE NEW FIRE SAFETY VALVES IN FOS LINES.
10. PROVIDE NEW FLEXIBLE FOS AND FOR HOSES AT BURNERS. REFER TO SPECIFICATION SECTION 23 11 13.
11. PROVIDE 3/4 NPS CROSS CONNECTION BETWEEN FOS AND FOR LINES AS INDICATED.
12. PROVIDE BYPASS RELIEF VALVE. REFER TO SPECIFICATION SECTION 23 11 13.
13. PROVIDE NEW DUPLEX FUEL OIL TRANSFER PUMP SET AND CONTROL PANEL. REFER TO SPECIFICATION SECTION 23 11 13.
14. REMOVE EXISTING COMBUSTION AIR LOUVER SUPPLY FAN AND DUCTING.
15. PROVIDE NEW COMBUSTION AIR DUCTING ASSEMBLY MOUNTED AS HIGH AS POSSIBLE. AVOID EXISTING ROOF STRUCTURE.
16. REPLACE EXISTING 3-WAY DIVERT VALVE AT AHU HEATING COIL IN ROOM 219. REFER TO SPECIFICATION SECTION 25 30 02.
17. REMOVE EXISTING BOILER WATER MAKE-UP ASSEMBLY AND REPLACE WITH NEW. REFER TO DETAIL.
18. PROVIDE NEW FIRE SAFETY VALVE IN EXISTING FOS LINE AT BURNER. REFER TO SECTION 23 11 13.
19. PROVIDE NEW CHEMICAL POT FEEDER AT FLOOR LEVEL. CONNECT NEW 3/4 NPS BRANCHES INTO EXISTING HWS AND HWR PIPING. INSTALL PER MANUFACTURER'S INSTRUCTIONS.



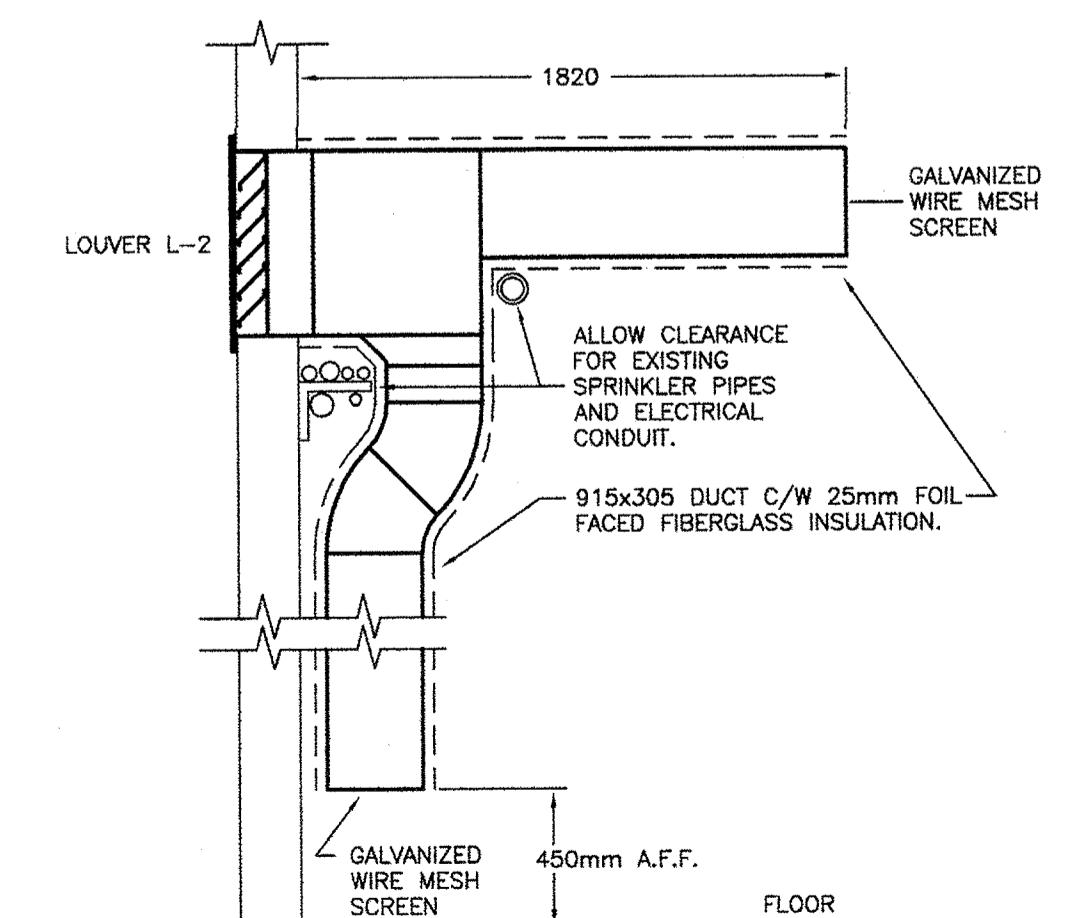
ATB BOILER ROOM PLAN
N.T.S.



2 OIL TRANSFER PUMP DETAIL
M-2 N.T.S.



3 BOILER WATER MAKE-UP DETAIL
M-2 N.T.S.



4 ATB COMBUSTION AIR DETAIL
M-2 N.T.S.

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
This Permit Allows
STANTEC CONSULTING LTD.
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PEG 30241 which is valid for the year 2013.

PROFESSIONAL ENGINEER
TIMOTHY MATTALL
PROFESSIONAL ENGINEER
BRIAN D. GRAY
DATE MAY 10 2013
NEWFOUNDLAND & LABRADOR

0	ISSUED FOR TENDER	10 MAY 2013
A	ISSUED FOR 99% REVIEW	28 MAR 2013
revisions		date
project		project

HEATING SYSTEM IMPROVEMENTS WABUSH AIRPORT

AIR TERMINAL BUILDING MECHANICAL/ELECTRICAL PLAN

designed C.J.	conçu
date 03/28/2013	
drawn B.C.	dessiné
date 03/28/2013	
approved	approuvé
date	
Tender	Soumission
PWGC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.055512.001	
drawing no.	no. du dessin
M-2	