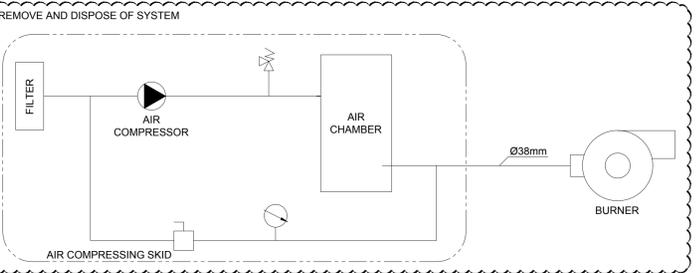


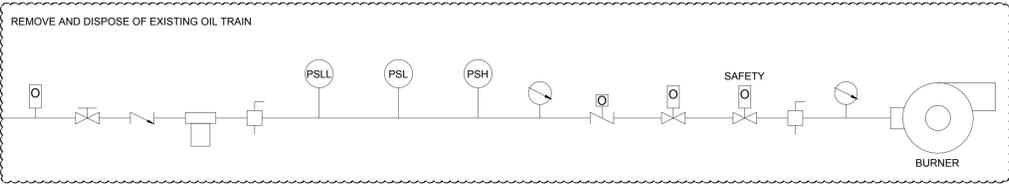
ITEM	SYMBOL	REMARKS	ITEM	SYMBOL	REMARKS
DOMESTIC SANITARY VENTING LINE	---		LOW PRESSURE SAFETY DEVICE (CUT-OFF)	PSL	GAS OR OIL
PIPING			LOW PRESSURE SAFETY DEVICE (ALARM)	PSL	GAS OR OIL
SYSTEM PUMP	▶		HIGH PRESSURE SAFETY DEVICE (CUT-OFF)	PSH	GAS OR OIL
FITTING - PRESSURE REDUCING VALVE	▶		HIGH PRESSURE SAFETY DEVICE (ALARM)	PSH	GAS OR OIL
PIPE FITTING - BALL VALVE (NORMALLY OPEN)	○		SAFETY SHUT-OFF VALVE	SSV	
FITTING - GATE/GLOBE VALVE	⊗		SAFETY SHUT-OFF VALVE WITH PROOF OF CLOSURE SWITCH	ZSC SSV	
FITTING - CHECK VALVE	⌞		SAFETY VENT VALVE	SSV	
DEVICE - OIL FLOW METER	○		INPUT FLOW CONTROL VALVE WITH MECHANICAL STOP AND LOW FIRE START SWITCH	ZSC IFCV	
PIPE FITTING - MODULATING OIL VALVE	○		MANUAL SHUT-OFF VALVE	MV	
FITTING - MOTORIZED OIL VALVE	○		TEST FIRING VALVE	TFV	
FUEL GAS	FUEL GAS		PRESSURE TEST POINT	▶	
PILOT BURNER	PILOT		DEVICE - PRESSURE GAUGE	○	
APPLIANCE MANUAL SHUT-OFF VALVE	AMV		DEVICE - GAS FLOW METER	○	
FUEL FILTER	YS		ANNOTATION, SIZE (WIDTH x DEPTH OR 00mm DIAMETER)	Wd	
PRESSURE REGULATOR	PRV				
OVERPRESSURE PROTECTION DEVICE	OPPD				
FITTING - 3-WAY VALVE	⊗				
DEVICE - IN-LINE FILTER	□				

- MECHANICAL DEMOLITION NOTES:**
- WORK SHALL BE STAGED TO MINIMIZE BOILER DOWNTIME. REFER TO STAGING PLAN IN SPECIFICATIONS.
 - REMOVE AND DISPOSE OF EXISTING BURNERS AND COMBUSTION INLET ON BOILERS 1 AND 2.
 - REMOVE AND DISPOSE OF EXISTING LOCAL BOILER CONTROL PANELS ON BOILER 1 AND 2. RETAIN IN PLACE SELECT WIRING TO SENSORS AND ACTUATORS FOR RECONNECTION TO NEW LOCAL BOILER CONTROL PANEL. SEE SHEET MC101 AND MC102 FOR DETAILS.
 - REMOVE AND DISPOSE OF EXISTING AIR COMPRESSORS AND COMPRESSED AIR PIPING FOR BOILERS 1 AND 2. REFER TO DETAIL 2.
 - REMOVE AND DISPOSE OF OIL AND GAS TRAINS FOR BOILERS 1 AND 2. REMOVE EXISTING OIL SUPPLY PIPING FROM EXISTING BURNERS UPSTREAM TO Ø51mm MAIN OIL SUPPLY PIPE (REMOVE APPROXIMATELY 8000mm OF OIL SUPPLY PIPE PER BOILER). REFER TO DETAILS 3 AND 4.
 - REMOVE AND RETAIN TWO DESKS AND TWO COMPUTERS FROM CONTROL ROOM.
 - REMOVE AND DISPOSE OF EXISTING CONTROL PANEL AND ALL CONTROLLERS AND EQUIPMENT CONTAINED WITHIN. SELECT CONTROLS WIRING SHALL BE REROUTED FROM EXISTING CONTROL PANEL TO NEW CONTROL CABINET. REFER TO SHEET MC101 AND MC102 FOR DETAILS.

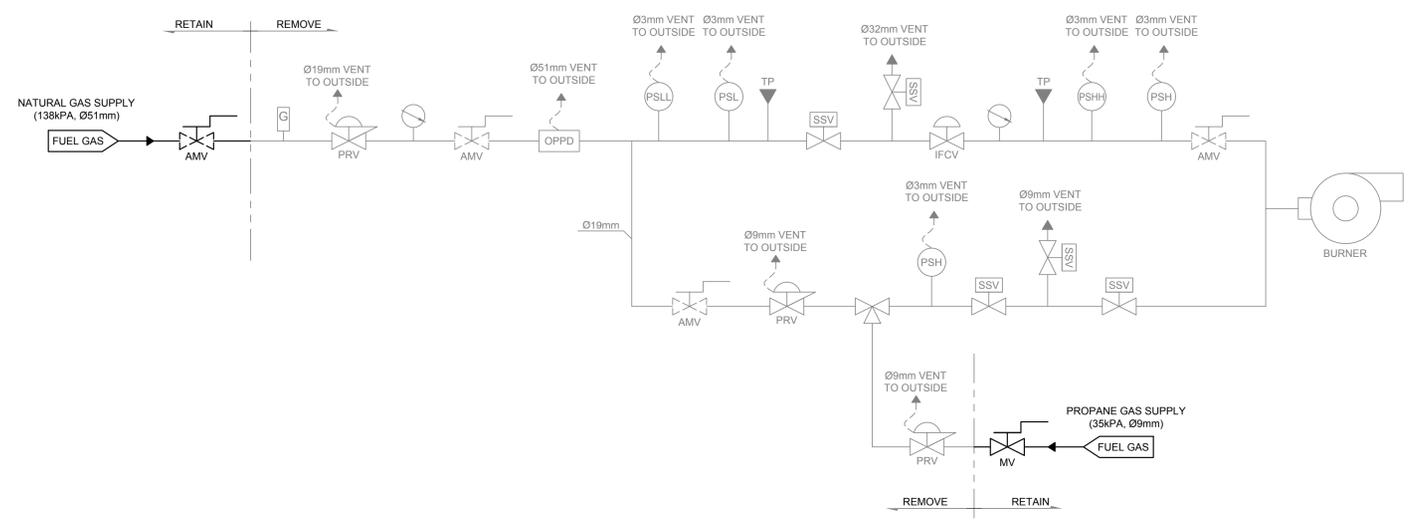
1
BOILER ROOM
EXISTING ROOM LAYOUT & DEMOLITION
D101 SCALE: 1:100



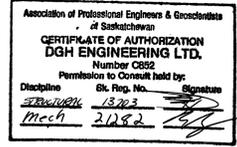
2
EXISTING COMPRESSED
AIR PIPING SCHEMATIC AND DEMOLITION (TYPICAL OF 2)
D101 SCALE: N.T.S.



3
EXISTING NO. 2 HEATING OIL PIPE TRAIN
SCHEMATIC AND DEMOLITION (TYPICAL OF 2)
D101 SCALE: N.T.S.



4
EXISTING NATURAL GAS PIPE TRAIN
SCHEMATIC AND DEMOLITION (TYPICAL OF 2)
D101 SCALE: N.T.S.



Revision	Description	Date
5		
4		
3	ISSUED FOR TENDER (STAMPED)	2018-05-24
2	ISSUED FOR TENDER	2018-05-04
1	ISSUED FOR 90% REVIEW	2018-04-10
0	ISSUED FOR 60% REVIEW	2018-03-09

PUBLIC WORKS & GOVERNMENT SERVICES

1800-11th AVENUE, SUITE 201
REGINA, SASKATCHEWAN. S4P 0H8

CORRECTIONAL SERVICE CANADA
SASKATCHEWAN PENITENTIARY
PRINCE ALBERT, SK

BOILER CONTROL REPLACEMENT

Designed by: MAH
Drawn by: JF
Approved by: RLG
PWGSC Project Manager: SHERRI KOBELSKI

BOILER ROOM - EXISTING LAYOUT AND MECHANICAL DEMOLITION PLAN