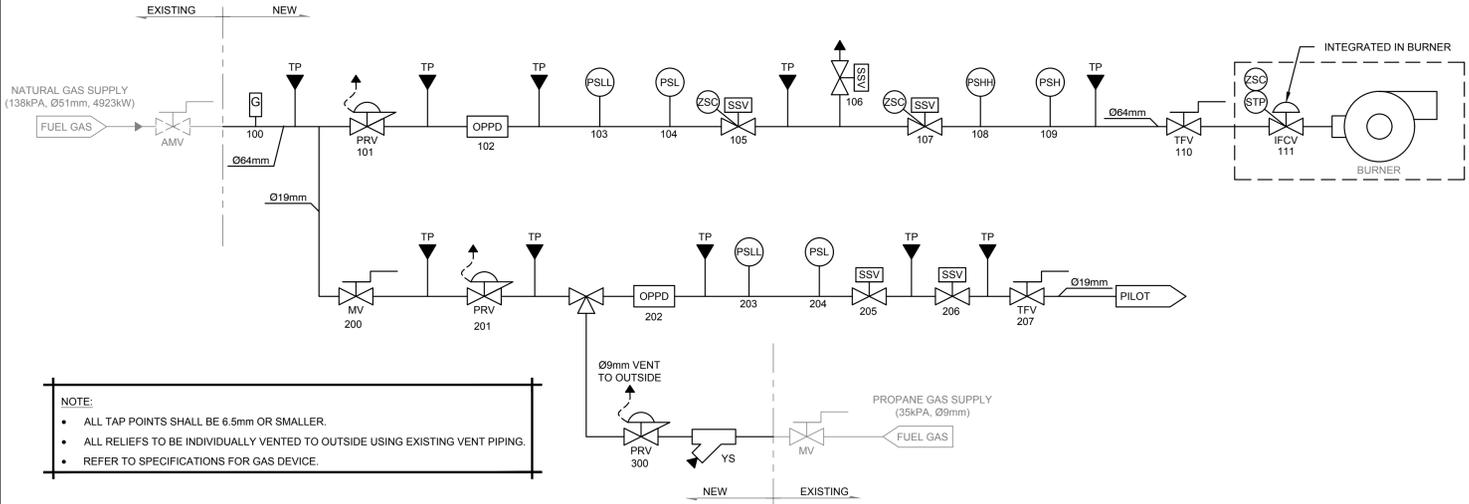


ITEM	SYMBOL	REMARKS	ITEM	SYMBOL	REMARKS
DOMESTIC SANITARY VENTING LINE	---		DEVICE - OIL METER	OM	
NEW GAS/OIL PIPE	---		LOW PRESSURE SAFETY DEVICE (CUT-OFF)	PSL	GAS OR OIL
EXISTING GAS/OIL PIPE	---		LOW PRESSURE SAFETY DEVICE (ALARM)	PSL	GAS OR OIL
FITTING - PRESSURE REDUCING VALVE	PRV		HIGH PRESSURE SAFETY DEVICE (CUT-OFF)	PSH	GAS OR OIL
PIPE FITTING - BALL VALVE (NORMALLY OPEN)	○		HIGH PRESSURE SAFETY DEVICE (ALARM)	PSH	GAS OR OIL
FITTING - GATE/GLOBE VALVE	⊗		SAFETY SHUT-OFF VALVE	SSV	
FITTING - 3-WAY BALANCING 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	TP	
PILOT BURNER	PILOT		DEVICE - PRESSURE GAUGE	PG	
APPLIANCE MANUAL SHUT-OFF VALVE	AMV		DEVICE - GAS FLOW METER	GFM	
FUEL FILTER	YS		ANNOTATION, SIZE (WIDTH x DEPTH OR 00mm DIAMETER)	WxD	
PRESSURE REGULATOR	PRV				
OVERPRESSURE PROTECTION DEVICE	OPPD				
FITTING - 3-WAY VALVE	⊗				
DEVICE - IN-LINE FILTER	IFC				

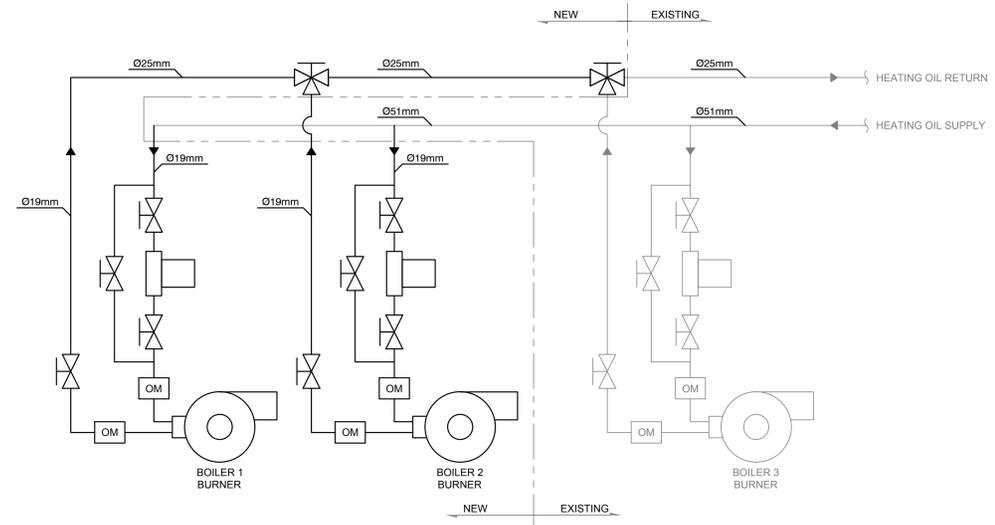
- CONSTRUCTION NOTES:**
- WORK SHALL BE STAGED TO MINIMIZE BOILER DOWNTIME. REFER TO STAGING PLAN IN SPECIFICATIONS.
 - SUPPLY AND INSTALL NEW BURNERS FOR BOILERS 1 AND 2. MODIFY THE FRONT WALL REFRACTORY AND MOUNTING PLATE ON EACH BOILER TO ACCOMMODATE THE NEW BURNERS. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH SPECIFICATIONS.
 - SUPPLY AND INSTALL NEW OIL AND GAS TRAINS AS SHOWN. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH SPECIFICATIONS.

1 BOILER ROOM MECHANICAL PLAN
SCALE: 1:100



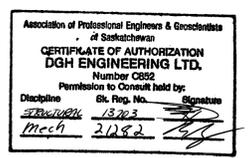
- NOTE:**
- ALL TAP POINTS SHALL BE 6.5mm OR SMALLER.
 - ALL RELIEFS TO BE INDIVIDUALLY VENTED TO OUTSIDE USING EXISTING VENT PIPING.
 - REFER TO SPECIFICATIONS FOR GAS DEVICE.

2 GAS TRAIN SCHEMATIC
SCALE: N.T.S.



- NOTES:**
- SOLENOID VALVES, HIGH AND LOW PRESSURE SENSOR AND OIL PUMP PROVIDED WITH BURNER PACKAGE.
 - SUSPEND ALL NEW OIL PIPING FROM UNDERSIDE OF CATWALK IN BOILER ROOM (APPROXIMATELY 4000mm ABOVE FINISHED FLOOR)

3 NO. 2 HEATING OIL PIPING SCHEMATIC
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	Conçu par
Drawn by JF	Dessiné par
Approved by RLG	Approuvé par
PWGSC Project Manager SHERRI KOBELSKI	Administrateur de Projets TPSGC
Drawing Title	Titre du dessin

BOILER ROOM - MECHANICAL PLAN

Project no./No. du projet R.079836.001	Drawing no./No. du dessin M101	Revision no. 3
--	--	--------------------------

