



1 GROUND FLOOR EXISTING + DEMOLITION
M101 SCALE: 1:50

DRAWING NOTES

- 1 EXISTING CHEMICAL TREATMENT ASSEMBLY FOR STEAM GENERATOR #1 AND DEAERATOR TO REMAIN, COMPLETE WITH ALL PIPING, SUPPORTS, AND ACCOUTREMENTS.
- 2 DEMOLISH EXISTING STEAM SMOTHERING PIPING, COMPLETE WITH ALL HANGERS AND ACCOUTREMENTS, BACK TO MAIN STEAM HEADER AND CAP STUB AT ISOLATING VALVE. PIPING TO BE CAPPED AND STUBBED AT CONNECTION TO THERMAL FLUID BOILER #1.
- 3 EXISTING BRINE TANK AND SOFTENER ASSEMBLY TO REMAIN, COMPLETE WITH ALL PIPING, SUPPORTS, AND ACCOUTREMENTS.
- 4 EXISTING STEAM GENERATOR #1 TO REMAIN, COMPLETE WITH ALL PIPING, SUPPORTS AND ACCOUTREMENTS.
- 5 EXISTING THERMAL FLUID LOOP #1 PUMP AND ASSOCIATED SUPPORTS, PIPING, AND ACCOUTREMENTS TO REMAIN.
- 6 EXISTING THERMAL FLUID BOILER #1 AND ASSOCIATED SUPPORTS, PIPING, AND ACCOUTREMENTS TO REMAIN.
- 7 DEMOLISH EXISTING SAFETY RELIEF VENT SERVING STEAM GENERATOR #2 UP TO ROOF, COMPLETE WITH ALL SUPPORTS AND ACCOUTREMENTS. REMAINING PIPING IS TO BE CAPPED AT ROOF. ROOF PENETRATION IS TO REMAIN WEATHERPROOF UPON COMPLETION OF WORK.
- 8 DEMOLISH EXISTING PIPING CONNECTED TO STEAM GENERATOR #2 UP TO ROOF, COMPLETE WITH ALL SUPPORTS AND ACCOUTREMENTS. REMAINING PIPING IS TO BE CAPPED AT ROOF. ROOF PENETRATION IS TO REMAIN WEATHERPROOF UPON COMPLETION OF WORK.
- 9 DEMOLISH EXISTING SAFETY RELIEF VENT FORMERLY SERVING STEAM GENERATOR #3 UP TO ROOF, COMPLETE WITH ALL SUPPORTS AND ACCOUTREMENTS. REMAINING PIPING IS TO BE CAPPED AT ROOF. ROOF PENETRATION IS TO REMAIN WEATHERPROOF UPON COMPLETION OF WORK.
- 10 DEMOLISH EXISTING THERMAL FLUID BOILER #2 COMPLETE WITH ALL PIPING, SUPPORTS, AND ACCOUTREMENTS. HOUSEKEEPING PAD TO BE DEMOLISHED, AND FLOOR MADE GOOD UPON COMPLETION OF DEMOLITION.
- 11 DEMOLISH EXISTING THERMAL FLUID PUMP #2 COMPLETE WITH ALL PIPING, SUPPORTS, AND ACCOUTREMENTS. HOUSEKEEPING PAD TO BE DEMOLISHED, AND FLOOR MADE GOOD UPON COMPLETION OF DEMOLITION.
- 12 DEMOLISH EXISTING STEAM GENERATOR #2 COMPLETE WITH ALL PIPING, SUPPORTS, AND ACCOUTREMENTS. HOUSEKEEPING PAD TO BE DEMOLISHED, AND FLOOR MADE GOOD UPON COMPLETION OF DEMOLITION.
- 13 DEMOLISH THERMAL FLUID LOOP #2, COMPLETE WITH ALL PIPING, SUPPORTS, AND ACCOUTREMENTS. EXPANSION LOOP PIPING IS TO BE DEMOLISHED BACK TO STORAGE TANK ON MEZZANINE.
- 14 DEMOLISH THERMAL FLUID EXPANSION PIPING FORMERLY SERVING THERMAL FLUID BOILER #3, COMPLETE WITH ALL PIPING, SUPPORTS, AND ACCOUTREMENTS. PIPING CONTINUED ON MEZZANINE LEVEL ON DRAWING M103.
- 15 EXISTING STEAM PIPING TO DEAERATOR ON MEZZANINE TO REMAIN.
- 16 EXISTING STEAM PIPING TO AIR HANDLERS TO REMAIN.
- 17 DEMOLISH EXISTING STEAM PIPING FROM STEAM GENERATOR #2, COMPLETE WITH ALL HANGERS AND ACCOUTREMENTS, BACK TO STEAM HEADER AND CAP STUB AT ISOLATING VALVE.
- 18 DEMOLISH EXISTING STEAM PIPING FORMERLY FROM STEAM GENERATOR #3, COMPLETE WITH ALL HANGERS AND ACCOUTREMENTS, BACK TO STEAM HEADER AND CAP STUB AT ISOLATING VALVE.
- 19 EXISTING NPS 3 TEE FROM STEAM HEADER CAPPED WITHOUT ISOLATING VALVE. TO REMAIN.
- 20 EXISTING NPS 4 TEE FROM STEAM HEADER CAPPED WITHOUT ISOLATING VALVE. TO REMAIN.
- 21 EXISTING NPS 6 STEAM PIPING FROM STEAM HEADER TO MEN'S PENITENTIARY VIA STEAM TUNNELS. TO REMAIN.
- 22 EXISTING NPS 6 STEAM PIPING FROM STEAM HEADER TO WOMEN'S PENITENTIARY VIA STEAM TUNNELS. TO REMAIN. CONTRACTOR IS TO INSTALL BLANK FLANGE ON OUTLET OF ISOLATING VALVE.
- 23 EXISTING NPS 8 STEAM PIPING FROM STEAM HEADER TO REMAIN. PIPING IS CONNECTED TO SAFETY RELIEF VENT FORMERLY SERVING STEAM GENERATOR #3 AND SAFETY RELIEF VENT SERVING STEAM GENERATOR #2. CONNECTIONS TO THESE VENTS IS TO BE MODIFIED AS PER DETAIL ON DRAWING M400. SAFETY RELIEF VENT CONNECTION TO STEAM GENERATOR #2 IS TO BE DEMOLISHED.
- 24 REPURPOSE EXISTING CHEMICAL TREATMENT SYSTEM CURRENTLY SERVING STEAM GENERATOR #2. DEMOLISH PIPING FROM STEAM GENERATOR #2 AND RECONNECT SYSTEM TO NEW STEAM BOILER. REFER TO M400 FOR INTERVENTION POINT.

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR DEMOLISHING ALL EXISTING UNUSED HANGERS ON-SITE.
2. ALL HANGERS REMOVED FROM SITE ARE TO BE DEMOLISHED UP TO ANCHOR POINT.
3. REFER TO DRAWINGS M106, M301, AND M302 FOR SCHEMATICS.
4. CONTRACTOR IS TO MAINTAIN ALL PIPING CONNECTIONS FOR THERMAL FLUID BOILER #2 AND STEAM GENERATOR #2 THAT ARE NECESSARY TO CONNECT A TEMPORARY BOILER IF DETERMINED NECESSARY DURING PROJECT. UPON COMPLETION OF COMMISSIONING FOR NEW BOILER, ALL PIPING TEMPORARILY MAINTAINED FOR POSSIBLE TEMPORARY BOILER CONNECTION IS TO BE DEMOLISHED AS SHOWN ON DRAWINGS.

Public Works and Government Services Canada
Architectural and Engineering Services
Ontario Region
Travaux publics et Services gouvernementaux Canada
Services d'architecture et de génie
Région de l'Ontario



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00	ISSUED FOR TENDER	2014/07/24
0A	ISSUED FOR 99% REVIEW	2014/05/22
revision	description	date

Do not scale drawings.
Verify all dimensions and conditions on site and immediately notify the engineer of all discrepancies.

A B C	A Detail No. No. du détail
	B drawing no. - where detail required dessin no. - où détail exigé
	C drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet
OTTAWA ONTARIO
CLIENT
560 KING STREET,
KINGSTON, K7L 4V7
KINGSTON PENITENTIARY HEATING PLANT UPGRADE

drawing title
titre du dessin
GROUND FLOOR PIPING DEMOLITION

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