



- DRAWING NOTES: ①
1. PROVIDE 75ø ABOVE-GROUND CONDENSATE OVERFLOW DRAIN HOSE FROM MOBILE STEAM BOILER. THE HOSE PIPE SHALL BE PROTECTED FROM METAL GUARD. THE METAL GUARD SHALL BE PAINTED YELLOW AND BLACK TO PREVENT TIPPING HAZARD. PROVIDE A 75ø PIPE SPOOL PIECE C/W QUICK CONNECT COUPLING AT INSIDE AND OUTSIDE THE BUILDING TO CONNECT HOSES ON BOTH END.
 2. PROVIDE 150ø STEAM LINE FROM THE EXISTING STEAM HEADER C/W ISOLATION VALVE AND EQUALIZATION LINE. ALL PIPING SHALL BE ASTM A-106 GR B SCH-80 CLASS 300 INSULATED. THE TERMINAL CONNECTION SHALL COME WITH A QUICK CONNECT COUPLING AT OUTSIDE THE BUILDING. THE 150ø STEAM LINE SHALL CROSS THE EXISTING DOOR AS HIGH AS POSSIBLE.
 3. PROVIDE 75ø GAS LINE AS PER CAN/CSA 149.1 FROM THE EXISTING 10 PSIG GAS LINE FEEDING BOILER#3. REMOVE THE EXISTING SPOOL PIECE AND CONNECT THE TEMPORARY GAS LINE FOR THE MOBILE STEAM BOILER. PROVIDE REGULATOR C/W OVERPRESSURIZATION VENT TO SET PRESSURE AT 5 PSIG. INSTALL THE SPOOL PIECE BACK AFTER DECOMMISSIONING MOBILE STEAM BOILER.
 4. PROVIDE 50ø CONDENSATE LINE FROM THE EXISTING CONDENSATE HEADER INSIDE THE DEAERATOR ROOM. THE CONDENSATE LINE SHALL BE PROVIDED WITH AN ISOLATION VALVE. ALL PIPING SHALL BE ASTM A-106 GR B SCH-80 CLASS 150 INSULATED. THE TERMINAL CONNECTION SHALL COME WITH A QUICK CONNECT COUPLING AT OUTSIDE THE BUILDING.
 5. PROVIDE 50ø BOILER BLOWDOWN LINE FROM THE EXISTING UNDERGROUND BOILER BLOWDOWN TANK IN THE BOILER ROOM. ALL PIPING SHALL BE ASTM A-106 GR B SCH-80 CLASS 300 INSULATED IN THE BOILER ROOM. A CHECK VALVE SHALL BE PROVIDED AT THE UPSTREAM OF TIE-IN POINT.
 6. PROVIDE 38ø MAKE UP WATER CONNECTION FROM THE EXISTING SOFTWATER EXCHANGER IN THE DEAERATOR ROOM. ALL PIPING SHALL BE ASTM A 53 SCH 40 CLASS 150 INSULATED.
 7. REMOVE THE EXISTING SPOOL PIECE FROM THE GAS LINE FEEDING BOILER#2 AND RECONNECT IT AFTER DECOMMISSIONING MOBILE STEAM BOILER.
 8. PROVIDE 38ø PRE-INSULATED AND HEAT TRACED CARBON STEEL TUBES FOR SOFT WATER MAKEUP CONNECTION TO THE MOBILE STEAM BOILER.
 9. PROVIDE 50ø PRE-INSULATED AND HEAT TRACED CARBON STEEL TUBES FOR BOILER BLOWDOWN CONNECTION TO THE MOBILE STEAM BOILER.

- GENERAL NOTE:
1. CONTRACTOR IS RESPONSIBLE FOR ALL VEGETATION. CONTRACTOR TO REPLACE/REINSTATE AFFECTED GRASS AREAS, SHRUBS, TREES WITH SIMILAR VEGETATION.
 2. PROVIDE FIRESTOPPING TO MAINTAIN THE INTEGRITY OF FIRE SEPARATIONS.
 3. CONTRACTOR SHALL CONSIDER TO INSTALL 50ø HEAT TRACED COOLING WATER LINE, INCASE BOILER BLOWDOWN NEEDS TO BE COOLED DOWN INSIDE THE TEMPORARY BOILER PLANT. NECESSARY ELECTRICAL CONNECTION SHALL BE CONSIDERED BY CONTRACTOR.
 4. ANY OTHER AUXILIARY CONNECTION DEEMED NECESSARY FOR THE TEMPORARY STEAM BOILER SHALL BE SUPPLIED AND INSTALLED BY CONTRACTOR.
 5. CONTRACTOR TO ENSURE NO SLUGGING IN TEMPORARY STEAM LINES, AND PROVIDE STEAM TRAPS AS NECESSARY.
 6. CONTRACTOR SHALL PROVIDE DOUBLE VALVING ON THE 50ø LOW PRESSURE STEAM HEADER AS AN ADDITIONAL SAFETY MEASURE. CONTRACTOR SHALL ALSO ENSURE DOUBLE VALVING ON ANY OTHER LINE WHICH ARE LIVE ON THE OTHER SIDE OF AN ISOLATION VALVE AS AN ADDITIONAL SAFETY MEASURE.
 7. CONTRACTOR IS RESPONSIBLE TO PREPARE AN "UMBILICAL CORD LAYOUT PLAN" FOR ALL CONNECTED SERVICES "INSIDE" THE EXISTING PLANT FOR REVIEW AND ACCEPTANCE BY DEPARTMENTAL REPRESENTATIVE.

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

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
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Do not scale drawings.
Verify all dimensions and conditions on site and
immediately notify the engineer of all discrepancies.

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

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Ottawa Ontario
PUBLIC SERVICES AND
PROCUREMENT CANADA

PROVISIONS TEMPORARY STEAM
BUILDING 3, SHIRLEY'S BAY

drawing title
titre du dessin
AUXILIARY TIE-IN CONNECTIONS
FOR MOBILE STEAM PLANT

drown by
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MAXIME HURTUBISE

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AMIT AGARWAL

approved by
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2021/07/30

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A
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AUXILIARY TIE-IN TEMPORARY BOILER
SCALE:1:50