NOTES:

1. UNLESS NOTED OTHERWISE, ALL BRANCH RUNOUTS SHALL BE 3/4"[20mm].
2. 1-1/4"[32mm] CONDENSATE DRAINAGE PIPING SHALL CONNECT TO HUB DRAIN ABOVE SINK. REFER TO PLUMBING DRAWINGS FOR FINAL LOCATION OF HUB DRAIN.
3. PRESSURE POWERED CONDENSATE PUMP AND CONDENSATE FLASH TANK. CONDENSATE PUMP SHALL BE INSTALLED BELOW CONDENSATE FLASH TANK. FLASH TANK SHALL BE 8"ø[200mm] x 36"[900mm] LONG WITH A 3"[150mm] VENT. PRESSURE POWERED PUMP AND CONDENSATE FLASH TANK SHALL BE PIPED AND INSTALLED PER MANUFACTURERS' RECOMMENDATIONS. FLASH TANK VENT SHALL TIE INTO BLOWDOWN TANK VENT.
4. FOS&R UP AT CORNER OF BUILDING. PROVIDE TAPS WITH VALVES AND CAPS FOR CONNECTION OF TEMPORARY BOILERS AT 3'-0"[0.91m] AFG. EXPOSED EXTERIOR PIPING SHALL BE STAINLESS STEEL.
5. STEAM AND STEAM CONDENSATE RETURN SHALL BE PIPED TO THE CORNER OF THE BOILER HOUSE FOR CONNECTION OF TEMPORARY BOILERS. THE PIPING SHALL ELBOW DOWN AND PENETRATE THE EXTERIOR WALL AT 12'-0"[3.65m] ABOVE FINISHED GRADE. PROVIDE BLIND FLANGES FOR WHEN PIPING IS NOT IN USE. PIPING THROUGH WALL, EXPOSED EXTERIOR PIPING, AND BLIND FLANGES SHALL BE STAINLESS STEEL.
6. CHEMICAL BARRELS, FEED PUMPS, CONTROLS, PIPING, AND APPURTENANCES SHALL BE RELOCATED AS REQUIRED FOR DOOR INSTALLATION.
7. LOCATION OF THE RELOCATED BLOWDOWN HEAT EXCHANGER.
8. BLOWDOWN HEAT EXCHANGER PIPING SHALL BE THE SAME SIZE AS THE EXISTING PIPING TO BE REMOVED.
9. REFER TO DRAWING 320-PL101 FOR PIPING CONNECTIONS TO SOFTENED WATER.
10. PROVIDE 2"[50mm] CHS&R TAPS WITH VALVES AND CAPS FOR FUTURE CONNECTION.
11. PROVIDE 1"[25mm] HWS&R TAPS WITH VALVES AND CAPS FOR FUTURE CONNECTION.
12. REFER TO DRAWING 320-PL101 FOR PIPING CONNECTIONS TO RO SYSTEM.
13. HEAT EXCHANGER SHALL BE INSTALLED ON A STEEL ANGLE STAND AT A HEIGHT TO ACCOMMODATE CONDENSATE RETURN TO THE FLASH TANK.
14. 2"[50mm] PUMPED CONDENSATE UP. CONNECT TO EXISTING AT TOP OF RISE NEAR CONDENSATE SURGE TANK. FURNISH AND INSTALL A NORMALLY OPEN GATE VALVE DOWNSTREAM OF TAP TO 4"[100mm] MPR TEMPORARY CONDENSATE LINE.
15. 320-SWHX3 SHALL BE INSTALLED ON THE CATWALK EXTENSION.
16. FURNISH AND INSTALL A SHEETMETAL PIPE ENCLOSURE FOR EXPOSED PIPING. ENCLOSURE SHALL BE PAINTED COLOR AS SELECTED BY ARCHITECT.
17. FURNISH AND INSTALL A MOISTURE SEPARATOR IN THE MAIN STEAM HEADER. SEPARATOR SHALL HAVE 12"[300M] FLANGES AND SHALL BE SIZED FOR THE FULL PLANT STEAM FLOW.
18. ⚠ FURNISH AND INSTALL PERMANENT WEATHERPROOF SIGNAGE ABOVE EACH EXTERIOR TEMPORARY BOILER CONNECTION TO INDICATE SOURCE.

## PARTIAL PLAN (1 / MH101)

SCALE:1/4"=1'-0"

2ND FLOOR MEZZANINE – PIPING

## GROUND FLOOR PLAN – PIPING

SCALE:1/4"=1'-0"

NOTE 1

100% CONSTRUCTION DOCUMENTS SUBMISSION

| | |
|---|---|
| ⚠ ADDENDUM #1 | 9.04.12 |
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ARCHITECT/ENGINEERS:

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|---|---|
| Drawing Title: GROUND FLOOR PLAN - PIPING | Project Title: BOILER PLANT UPGRADE PHASE IV |
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