

PLAN
Scale 1 : 100

- NOTES:**
- UNIT: DIMENSIONS ARE IN MILLIMETERS, ELEVATIONS ARE IN METERS.
UNLESS OTHERWISE NOTED, CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
 - PIPING POSITIONS ARE DIAGRAMMATIC.

AECOM

PROJECT

CITY OF BRANDON

TENDER NO. L-35/20
WATER RECLAMATION FACILITY
MEMBRANE TANK REMOVAL AND
INSTALLATION

ENGINEER

AECOM
99 Commerce Drive
Winnipeg, Manitoba R3P 0Y7
204.477.5381 tel 204.284.2040 fax
www.aecom.com

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I/R	DATE DESCRIPTION

PROJECT NUMBER

60581463

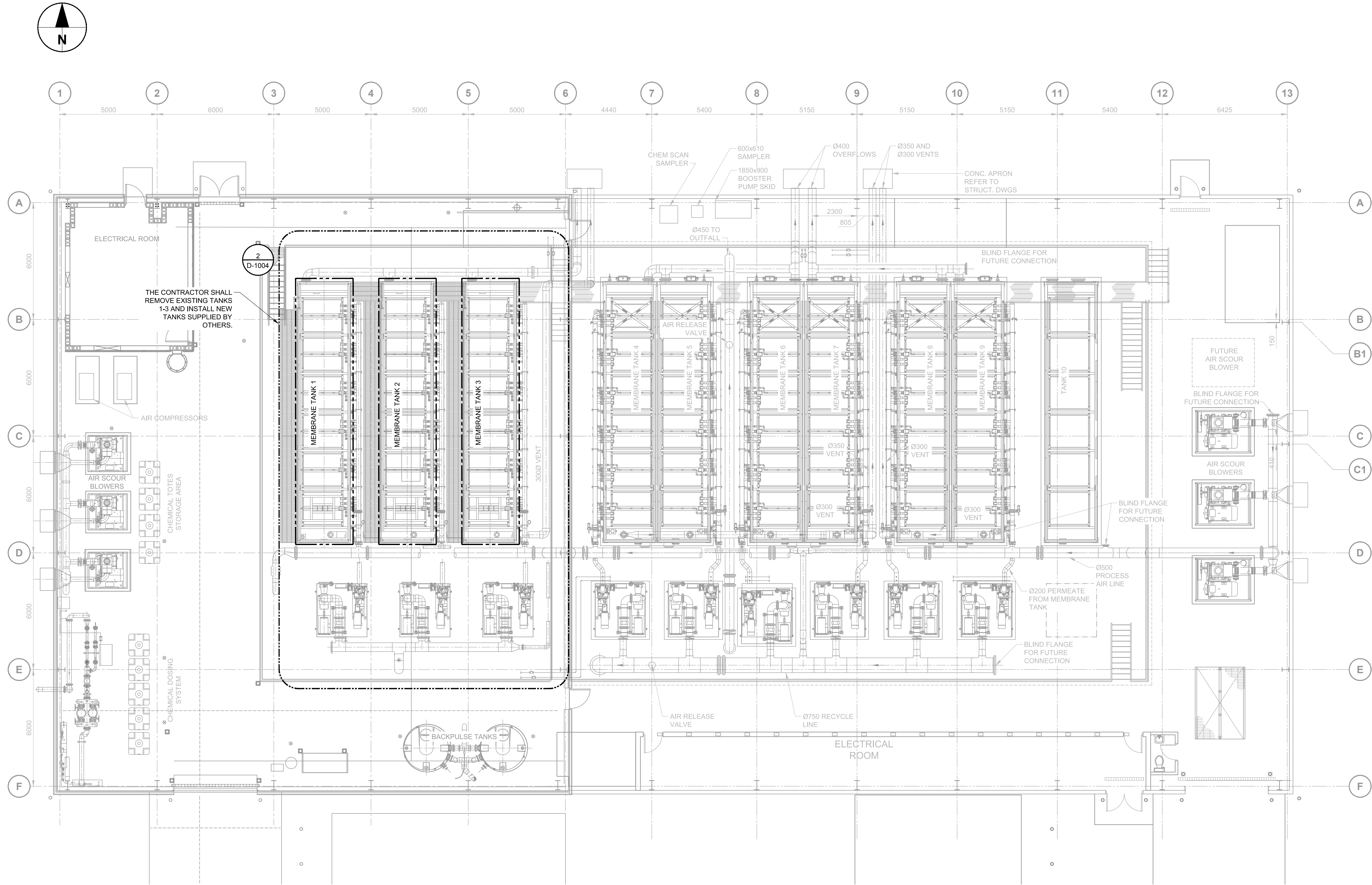
SHEET TITLE

MEMBRANE BUILDING
PROCESS
TANK PIT
DEMOLITION PLAN

SHEET NUMBER

D-1001

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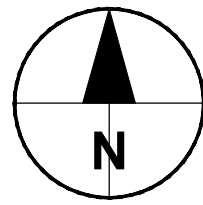
SHEET TITLE

MEMBRANE BUILDING
PROCESS
MAIN LEVEL
DEMOLITION PLAN

SHEET NUMBER

D-1002

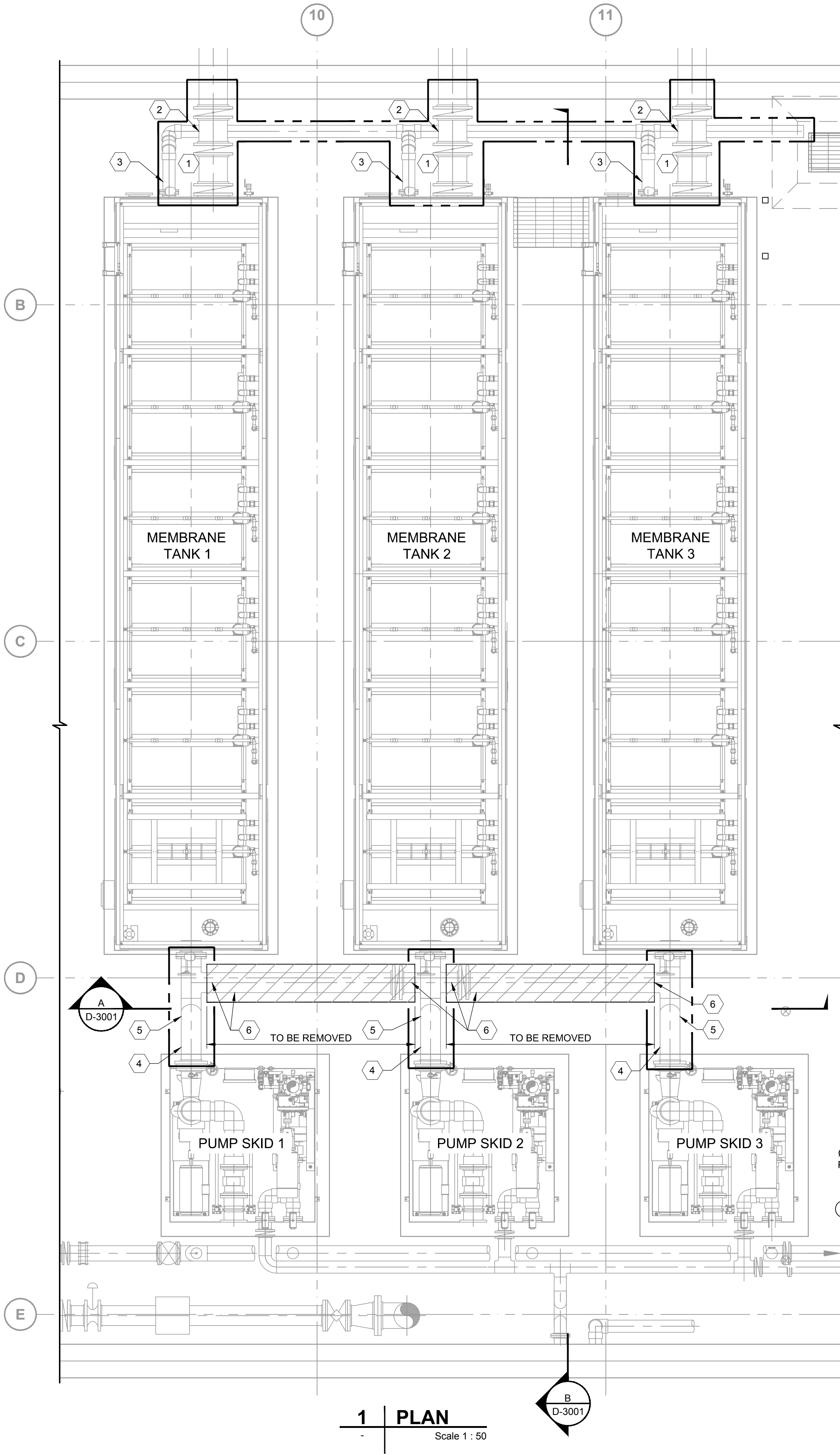
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KEY NOTES

AS REQUIRED TO FACILITATE TANK REMOVAL AND INSTALLATION, THE CONTRACTOR SHALL REMOVE AND REINSTALL ALL EQUIPMENT, PIPING, AND OTHER APPURTENANCES ATTACHED TO THE EXISTING TANKS. AT A MINIMUM, THE CONTRACTOR SHALL:

- 1 REMOVE AND REINSTALL MIXED LIQUOR INLET PIPING AND VALVES FOR EACH TANK, EXCEPT AS OTHERWISE NOTED.
- 2 CUT INLET PIPES AND INSTALL A FLEXIBLE COUPLING TO MATCH EXISTING COUPLINGS ON INLET PIPES TO TANKS 4-9, SEE DETAIL 1. MATCH PIPING AND VALVE CONFIGURATION FOR TANKS 4-9, SEE DETAIL 2.
- 3 REMOVE AND REINSTALL DRAIN PIPING FOR EACH TANK AND THE HEADER CONNECTING THE PIPES.
- 4 REMOVE AND REINSTALL RECIRCULATION OUTLET PIPING AND VALVES FOR EACH TANK, EXCEPT AS OTHERWISE NOTED.
- 5 CUT OUTLET PIPES AND INSTALL A FLEXIBLE COUPLING TO MATCH EXISTING COUPLINGS ON INLET PIPES TO TANKS 4-9, SEE DETAIL 1.
- 6 REMOVE PIPES AND VALVES BETWEEN OUTLET TEES AND CROSSES. ON TANKS 1 AND 3, CUT SIDE BRANCH OF OUTLET TEES AND INSTALL WELDED TYPE 316 STAINLESS STEEL CAP TO CLOSE OFF SIDE BRANCHES. ON TANK 2, INSTALL BLIND FLANGES TO CLOSE OFF SIDE BRANCHES OF OUTLET CROSS.



1 | DETAIL
Scale N.T.S.

NOTE:
THE CONTRACTOR SHALL PROVIDE STRAUB FLEX 2L FLEXIBLE COUPLINGS.



2 | DETAIL
Scale N.T.S.

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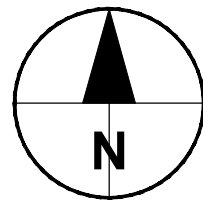
SHEET TITLE

MEMBRANE BUILDING
PROCESS
TANK PIT
ENLARGED DEMOLITION PLAN

SHEET NUMBER

D-1003

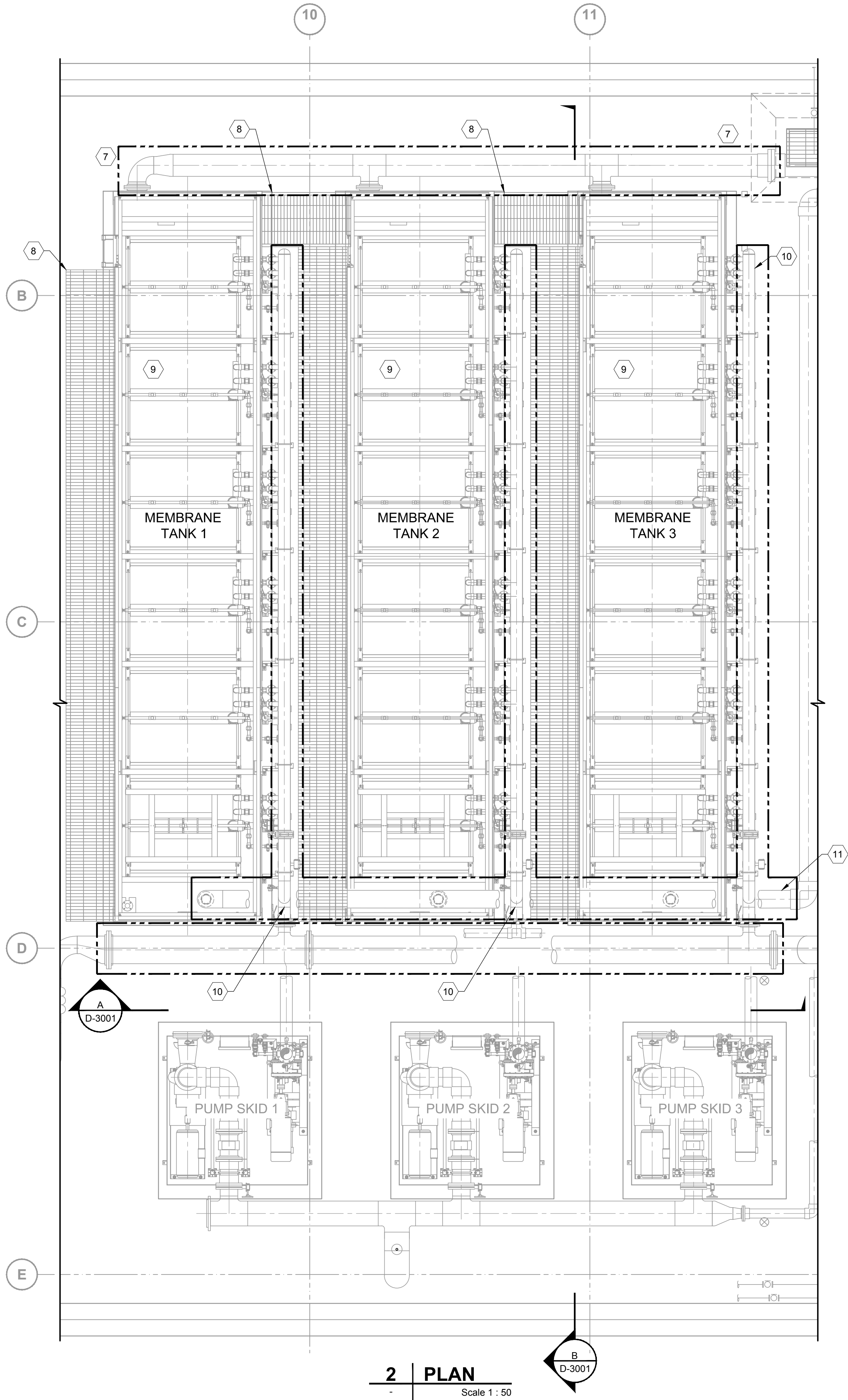
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KEY NOTES

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- 7 REMOVE AND REINSTALL OVERFLOW PIPING FOR EACH TANK AND THE HEADER CONNECTING THE PIPES.
- 8 REMOVE AND REINSTALL ALL WALKWAYS AND RAILINGS CONNECTED TO THE TANKS.
- 9 REMOVE AND REINSTALL ALL TANK COVER PIECES.
- 10 REMOVE AND REINSTALL PERMEATE, AIR SCOUR, AND FOAM CONTROL PIPING AND VALVES FROM EACH TANK AND THE HEADER CONNECTING THE PIPES.
- 11 REMOVE AND REINSTALL VENT PIPING FROM EACH TANK AND THE HEADER CONNECTING THE PIPES.



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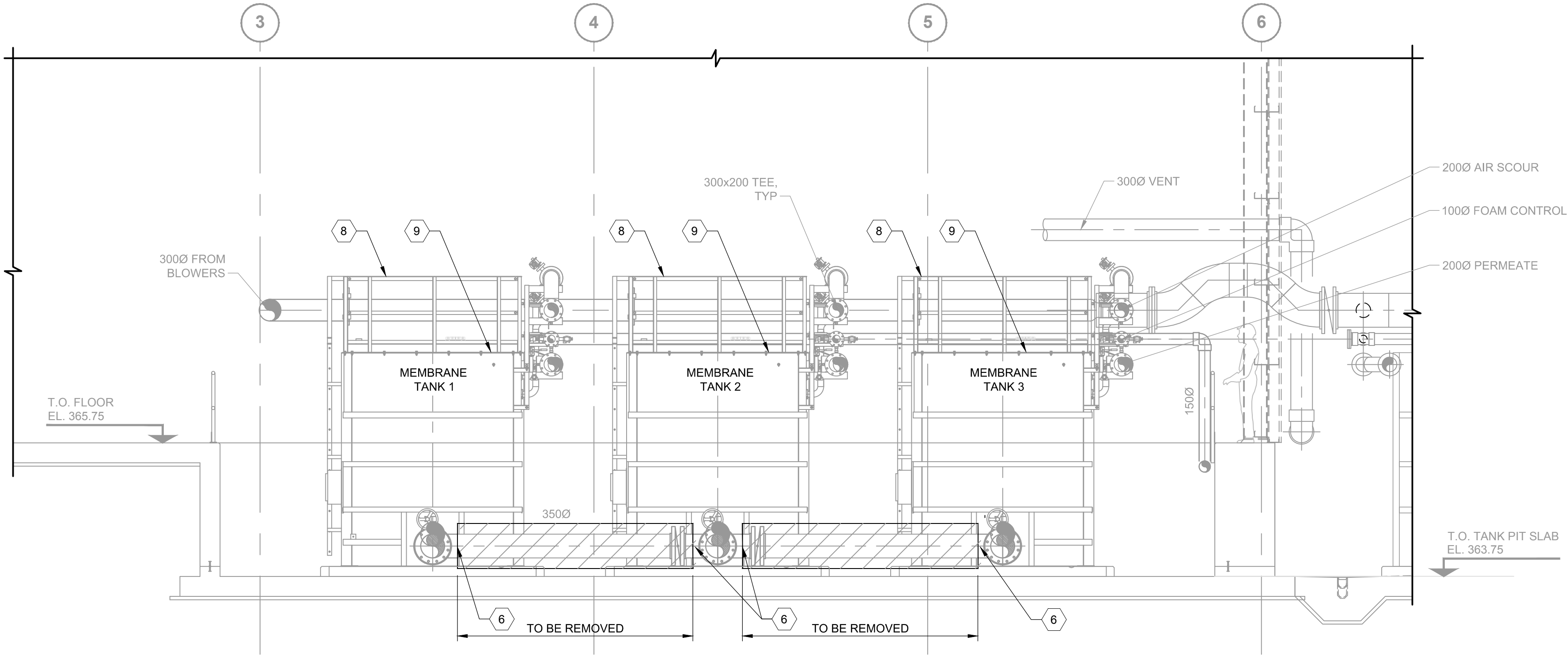
MEMBRANE BUILDING
PROCESS
MAIN LEVEL
ENLARGED DEMOLITION PLAN

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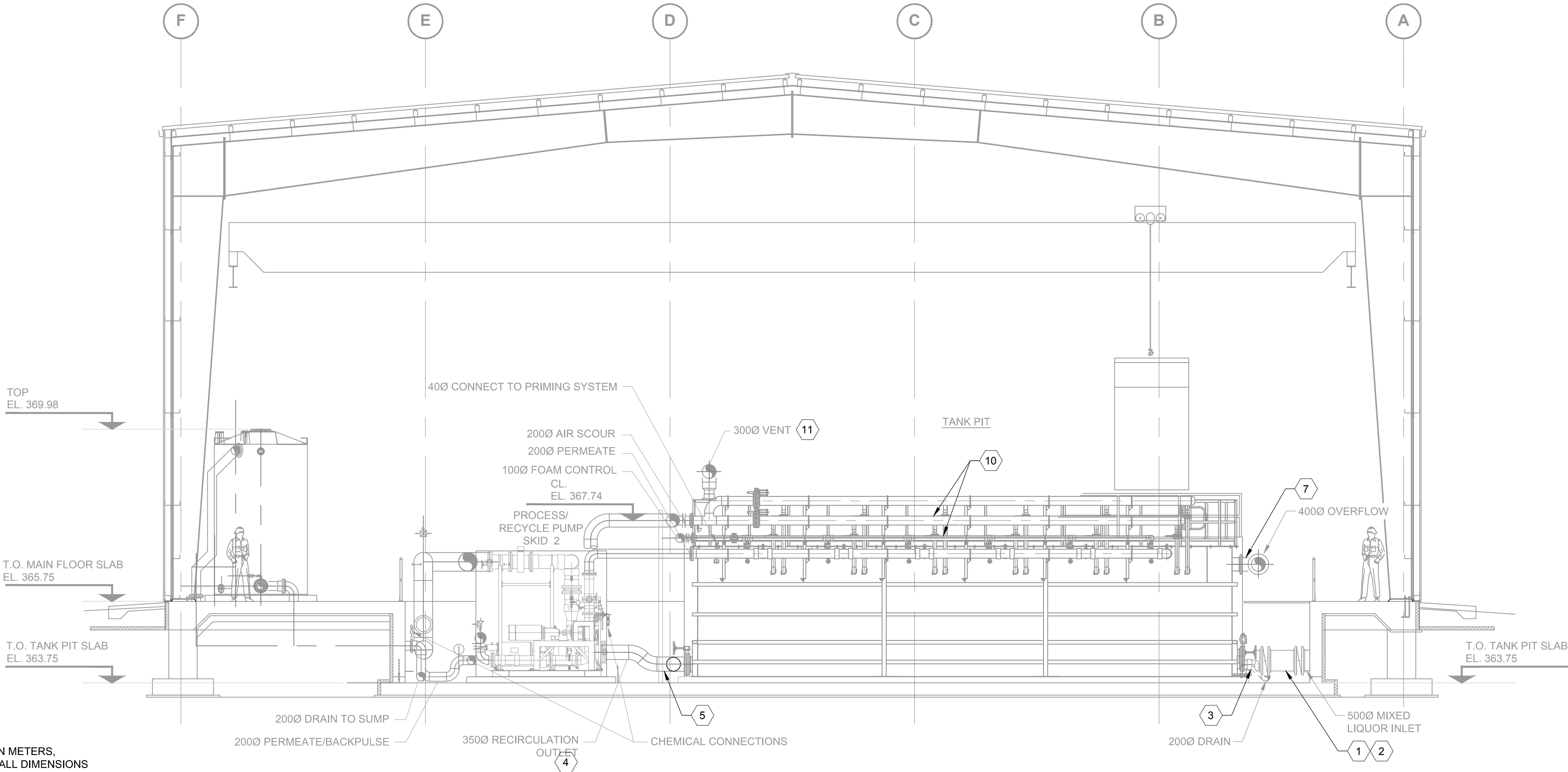
D-1004

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KEY NOTES
REFER TO SHEETS D-1003 AND D-1004.



A SECTION
Scale 1 : 50



B SECTION
Scale 1 : 75

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MEMBRANE BUILDING
PROCESS
DEMOLITION
SECTIONS
SHEET NUMBER
D-3001

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