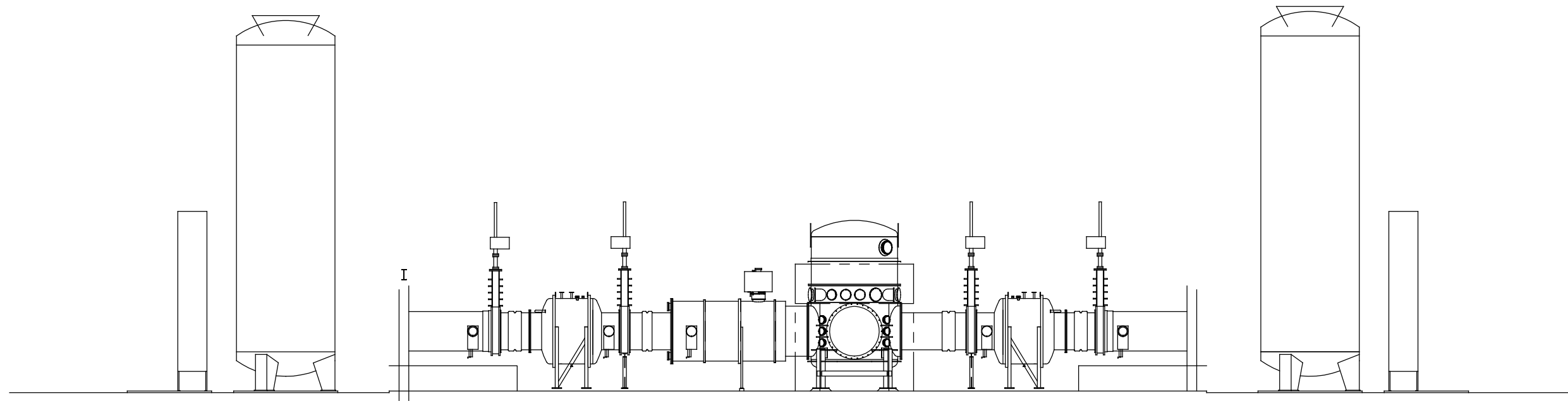
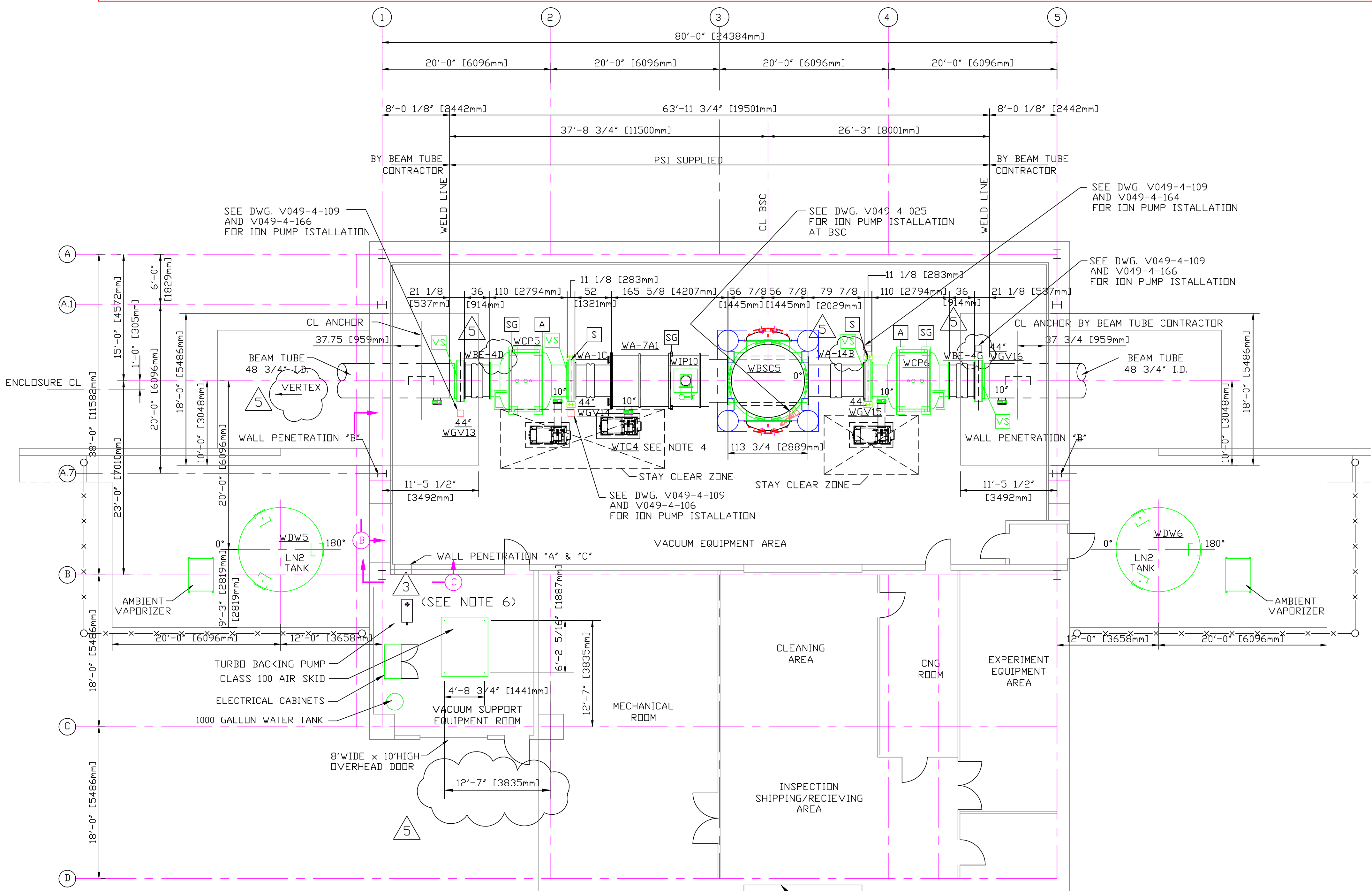


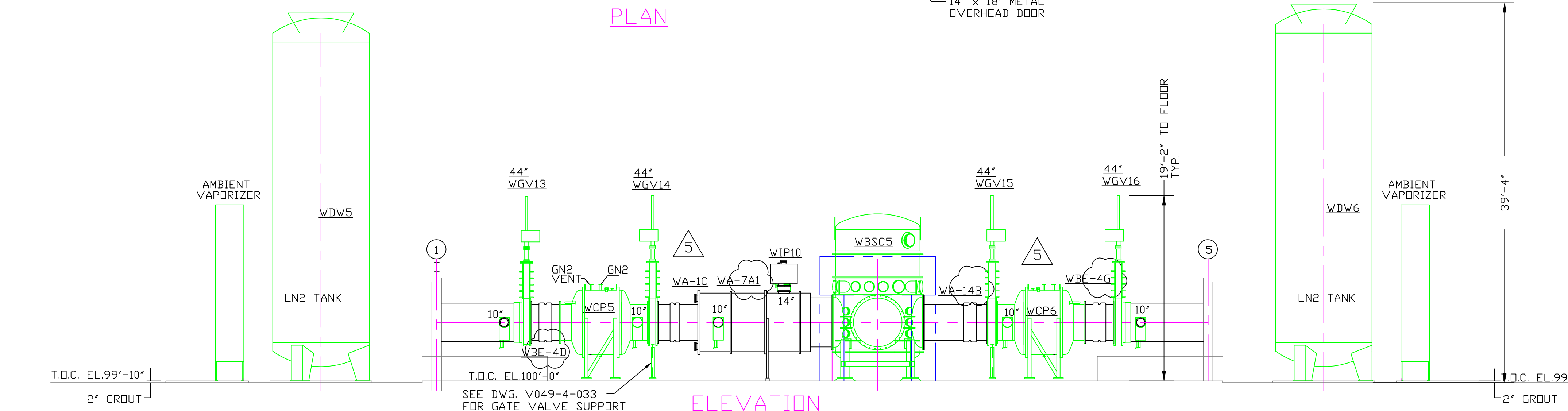
D1003176-v2
X-ARM (RIGHT) MID-STATION AT LHO,
SIMPLIFIED EXISTING FLOOR PLAN



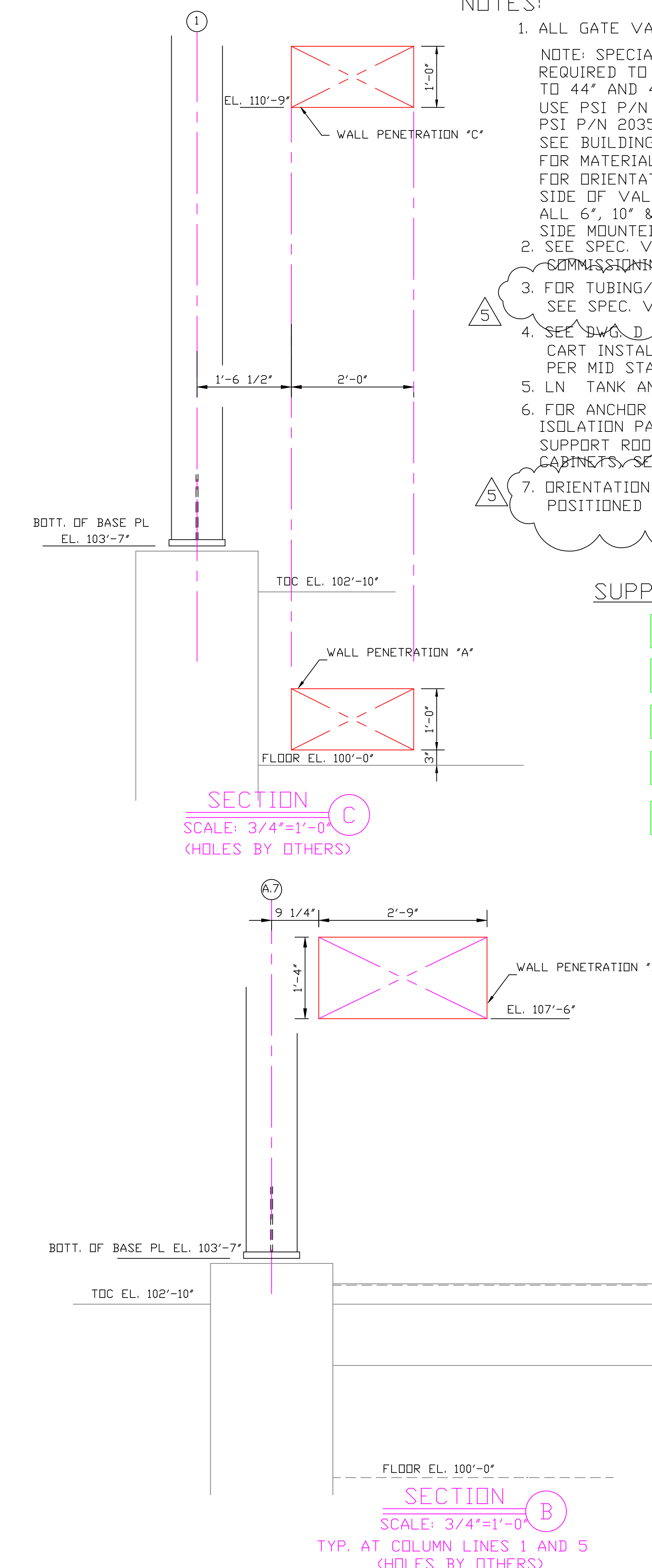
X-END (RIGHT) MID-STATION, AT LHO, COMPLEAT EXISTING FLOOR PLAN, D1003176



PLAN



ELEVATION

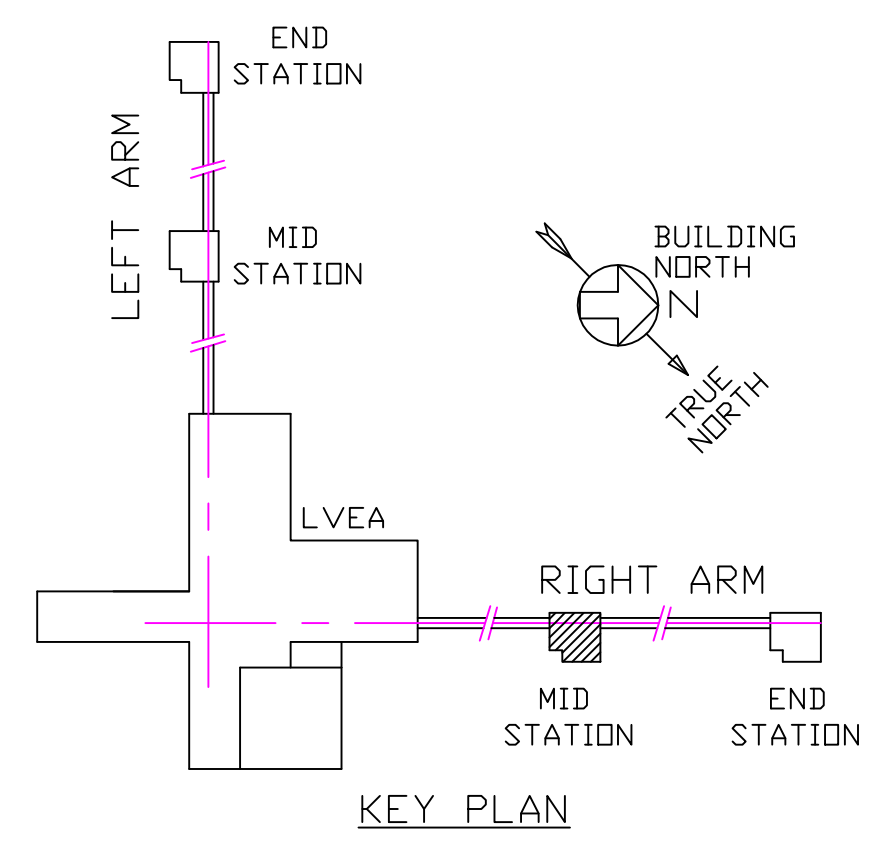


SECTION C
SCALE: 3/4"=1'-0"
(HOLES BY OTHERS)

SECTION B
SCALE: 3/4"=1'-0"
TYP. AT COLUMN LINES 1 AND 5
(HOLES BY OTHERS)

- NOTES:**
1. ALL GATE VALVES ARE SUPPLIED BY PSI.
NOTE: SPECIAL BOLTS AND WASHERS ARE REQUIRED TO CONNECT SPOOL FLANGES TO 44" AND 48" GATE VALVES. USE PSI P/N 203567 FOR BOLTS AND PSI P/N 203568 FOR WASHERS. SEE BUILDING BOM V049100WA FOR MATERIALS.
FOR ORIENTATION OF LARGE GATE VALVES SEE SIDE OF VALVE NOTED BY SYMBOL 'VS' IN PLAN BELOW. ALL 6", 10" & 14" GATE VALVES ARE TO HAVE SEAL SIDE MOUNTED TOWARD VESSEL.
 2. SEE SPEC. V049-2-021 FOR INSTALLATION/COMMISSIONING INFORMATION.
 3. FOR TUBING/ PIPE SUPPORT REQUIREMENTS, SEE SPEC. V049-2-021, SECTION 10.
 4. SEE DWG. D V049-4-011 FOR TURBO PUMP CART INSTALLATION. 1 UNIT REQUIRED PER MID STATION BUILDING.
 5. LN TANK ANCHOR BOLTS BY OTHERS.
 6. FOR ANCHOR BOLT AND VIBRATION ISOLATION PAD REQUIREMENTS FOR VACUUM SUPPORT ROOM EQUIPMENT AND ELECTRICAL CABINETS, SEE DWG. V049-4-019, DETAIL 2.
 7. ORIENTATION OF BSC IS TO HAVE 0° CENTERLINE POSITIONED AS SHOWN.

- SUPPORTS LEGEND**
- A 3 WAY ANCHOR
 - SG SUPPORT/GUIDE (AXIALLY FLEXIBLE)
 - S VALVE SUPPORT
 - G GATE VALVE ION PUMP LOCATION
 - VS VALVE SEAL SIDE



<p><small>PROPRIETARY AND CONFIDENTIAL</small> THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION BELONGING TO PROCESS SYSTEMS INTERNATIONAL, INC. OR ITS AFFILIATED COMPANIES AND SHALL BE USED ONLY FOR THE PURPOSE FOR WHICH IT WAS SUPPLIED. IT SHALL NOT BE COPIED, REPRODUCED OR OTHERWISE USED, NOR SHALL SUCH INFORMATION BE FURNISHED IN WHOLE OR IN PART TO OTHERS EXCEPT IN ACCORDANCE WITH THE TERMS OF ANY AGREEMENT UNDER WHICH IT WAS SUPPLIED OR WITH THE PRIOR WRITTEN CONSENT OF PROCESS SYSTEMS INTERNATIONAL, INC. AND SHALL BE RETURNED UPON REQUEST.</p>		<table border="1"> <tr> <th>DWG. NO.</th> <th>DESCRIPTION</th> <th>DWG. NO.</th> <th>DESCRIPTION</th> </tr> <tr> <td>V049-0-100</td> <td>DRAWING TREE/BOM STRUCTURE</td> <td>V049-0-001</td> <td>P&ID FOR LIGO VACUUM EQUIPMENT</td> </tr> <tr> <td>V049-2-021</td> <td>SPEC. FOR INSTALLATION/COMMISSIONING</td> <td>WA-A-201</td> <td>PARSONS ARCHITECTURAL MID STATIONS FLOOR PLAN</td> </tr> <tr> <td>1101103</td> <td>LIGO VACUUM EQUIPMENT MID STATIONS</td> <td></td> <td></td> </tr> </table>	DWG. NO.	DESCRIPTION	DWG. NO.	DESCRIPTION	V049-0-100	DRAWING TREE/BOM STRUCTURE	V049-0-001	P&ID FOR LIGO VACUUM EQUIPMENT	V049-2-021	SPEC. FOR INSTALLATION/COMMISSIONING	WA-A-201	PARSONS ARCHITECTURAL MID STATIONS FLOOR PLAN	1101103	LIGO VACUUM EQUIPMENT MID STATIONS							
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<p><small>DO NOT SCALE THIS DRAWING</small> USED ON: NEXT ASS'Y:</p>	<p><small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</small> TOLERANCES: FRACTIONAL ± ANGULAR ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± FINISHED SURFACE RMS BREAK CORNERS IN REMOVE ALL BURRS</p>	<table border="1"> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>ISSUE DESCRIPTION</th> </tr> <tr> <td>5</td> <td>AS-BUILT</td> <td></td> </tr> <tr> <td>4</td> <td>REISSUED FOR CONSTRUCTION AS NOTED</td> <td>DMW RDC REC DA 6/26/97 0507</td> </tr> <tr> <td>3</td> <td>REISSUED FOR CONSTRUCTION AS NOTED</td> <td>DMW RDC REC SPIDER 6/6/97 0497</td> </tr> <tr> <td>2</td> <td>ISSUED FOR CONSTRUCTION</td> <td>DMW RDC REC PV 4/14/97 0465</td> </tr> <tr> <td>1</td> <td>ISSUED FOR FDR UPDATE & BID</td> <td>DMW RDC REC PV 2/4/97 0356</td> </tr> <tr> <td>0</td> <td>ISSUED FOR FDR</td> <td>DMW RDC REC MA 04/29/96 0147</td> </tr> </table>	REV	DESCRIPTION	ISSUE DESCRIPTION	5	AS-BUILT		4	REISSUED FOR CONSTRUCTION AS NOTED	DMW RDC REC DA 6/26/97 0507	3	REISSUED FOR CONSTRUCTION AS NOTED	DMW RDC REC SPIDER 6/6/97 0497	2	ISSUED FOR CONSTRUCTION	DMW RDC REC PV 4/14/97 0465	1	ISSUED FOR FDR UPDATE & BID	DMW RDC REC PV 2/4/97 0356	0	ISSUED FOR FDR	DMW RDC REC MA 04/29/96 0147	<p>PROCESS SYSTEMS INTERNATIONAL, INC. 20 WALKUP DR. WESTBOROUGH, MASSACHUSETTS 01581 USA</p> <p>EQUIPMENT ARRANGEMENT RIGHT MID STATION AREA 300 WASHINGTON LIGO VACUUM EQUIPMENT</p> <p>CAD FILE: V0495004 SIZE: D DWG. NO.: V049-5-004 REV: 5</p> <p>SCALE: 1/8"=1'-0" SHEET: 1 OF 1</p>
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EDUCATION VERSION - NOT FOR COMMERCIAL USE

JUN 11, 1998 - 142648