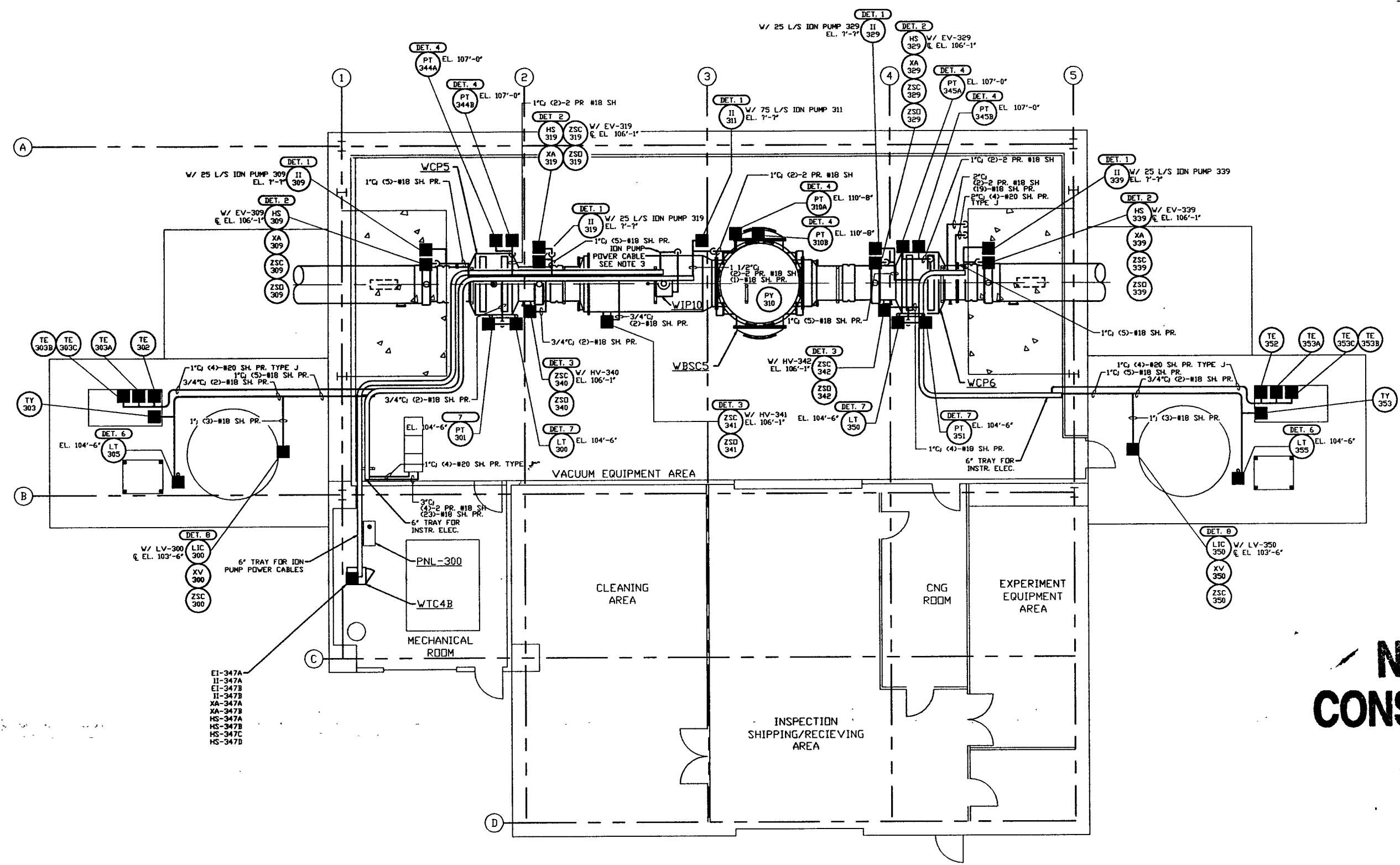


NOTES:

- FOR INSTRUMENT ELECTRICAL INSTALLATION DETAILS SEE PSI DWG. V049-3-007.
- CONDUIT IS SHOWN DIAGRAMMATICALLY AND SHALL BE FIELD VERIFIED SO AS TO OPTIMIZE SUPPORTING MEANS AND TO AVOID INTERFERENCES WITH PIPING SYSTEMS.
- ION PUMP POWER CABLES SHALL BE RUN IN 2" CABLE CHANNEL FROM ION PUMP DOWN TO 4" TRAY LOCATED UNDER BEAM TUBE.



NOT FOR CONSTRUCTION

LEGEND

- INSTRUMENT ELECTRICAL CONNECTION
- INSTRUMENT IDENTIFICATION
- DET. X INSTALLATION DETAIL SEE NOTE 1

LIGO-D960585-00-V

| <p>PROPRIETARY AND CONFIDENTIAL</p> <p>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" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">V049-3-307</td> <td style="width: 50%;">PNL-300 WIRING DIAGRAM</td> </tr> <tr> <td>V049-3-301</td> <td>INSTRUMENT PLAN WASHINGTON RIGHT MID STATION</td> </tr> <tr> <td>V049-3-007</td> <td>INSTRUMENT ELECTRICAL INSTALLATION DETAILS</td> </tr> <tr> <td>V049-3-002</td> <td>WASHINGTON OVERALL SITE PLAN</td> </tr> <tr> <td>V049-3-001</td> <td>GENERAL NOTES & LEGEND</td> </tr> <tr> <td>V049-0-016</td> <td>P & I D WASHINGTON RIGHT MID STATION</td> </tr> </table> | V049-3-307 | PNL-300 WIRING DIAGRAM | V049-3-301 | INSTRUMENT PLAN WASHINGTON RIGHT MID STATION | V049-3-007 | INSTRUMENT ELECTRICAL INSTALLATION DETAILS | V049-3-002 | WASHINGTON OVERALL SITE PLAN | V049-3-001 | GENERAL NOTES & LEGEND | V049-0-016 | P & I D WASHINGTON RIGHT MID STATION | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">V049-5-004</td> <td style="width: 50%;">EQUIP. ARRANGEMENT WASHINGTON RIGHT MID STATION</td> </tr> <tr> <td>V049-3-308</td> <td>CDS INTERFACE DIAGRAM</td> </tr> </table> | V049-5-004 | EQUIP. ARRANGEMENT WASHINGTON RIGHT MID STATION | V049-3-308 | CDS INTERFACE DIAGRAM | <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</p> <p>TOLERANCES:</p> <p>FRACTIONS: ±</p> <p>DECIMALS: ±</p> <p>ANGLES: ±</p> <p>THICKNESS: ±</p> <p>FINISHED SURFACE DIMENSIONS: ±</p> <p>REMOVE ALL BURRS</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">DO NOT SCALE THIS DRAWING</td> <td style="width: 15%;">0</td> <td style="width: 15%;">ISSUE FOR FDR</td> <td style="width: 15%;">04.26.96</td> <td style="width: 15%;">0129</td> </tr> <tr> <td>USED ON:</td> <td>REV:</td> <td>DESCRIPTION:</td> <td>CHKD:</td> <td>DATE:</td> </tr> <tr> <td>NEXT ASS'Y:</td> <td>REV:</td> <td>DESCRIPTION:</td> <td>DATE:</td> <td>DECN:</td> </tr> </table> | DO NOT SCALE THIS DRAWING | 0 | ISSUE FOR FDR | 04.26.96 | 0129 | USED ON: | REV: | DESCRIPTION: | CHKD: | DATE: | NEXT ASS'Y: | REV: | DESCRIPTION: | DATE: | DECN: |
|---|---|---------------|------------------------|------------|--|------------|--|------------|------------------------------|---|------------------------|------------|--------------------------------------|---|------------|---|------------|-----------------------|---|--|---------------------------|---|---------------|----------|------|----------|------|--------------|-------|-------|-------------|------|--------------|-------|-------|
| V049-3-307 | PNL-300 WIRING DIAGRAM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V049-3-301 | INSTRUMENT PLAN WASHINGTON RIGHT MID STATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V049-3-007 | INSTRUMENT ELECTRICAL INSTALLATION DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V049-3-002 | WASHINGTON OVERALL SITE PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V049-3-001 | GENERAL NOTES & LEGEND | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V049-0-016 | P & I D WASHINGTON RIGHT MID STATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V049-5-004 | EQUIP. ARRANGEMENT WASHINGTON RIGHT MID STATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V049-3-308 | CDS INTERFACE DIAGRAM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DO NOT SCALE THIS DRAWING | 0 | ISSUE FOR FDR | 04.26.96 | 0129 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| USED ON: | REV: | DESCRIPTION: | CHKD: | DATE: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NEXT ASS'Y: | REV: | DESCRIPTION: | DATE: | DECN: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">DWG. NO.</th> <th style="width: 40%;">DESCRIPTION</th> <th style="width: 20%;">DWG. NO.</th> <th style="width: 20%;">DESCRIPTION</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> | | DWG. NO. | DESCRIPTION | DWG. NO. | DESCRIPTION | | | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">SCALE</th> <th style="width: 15%;">3/16" = 1' - 0"</th> <th style="width: 15%;">SHEET</th> <th style="width: 15%;">1 OF 1</th> </tr> </table> | | | SCALE | 3/16" = 1' - 0" | SHEET | 1 OF 1 | | | | | | | | | | | | | | | | | | | |
| DWG. NO. | DESCRIPTION | DWG. NO. | DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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PROCESS SYSTEMS INTERNATIONAL, INC.
 20 WALKUP DR. WESTBOROUGH, MASSACHUSETTS 01581 USA

INSTRUMENT ELECTRICAL PLAN
 LIGO VACUUM EQUIPMENT
 WASHINGTON SITE
 RIGHT MID STATION

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|-------------------|---------|---------------------|--------|
| CAB FILE V0493303 | SHEET D | DWG. NO. V049-3-303 | REV. 0 |
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