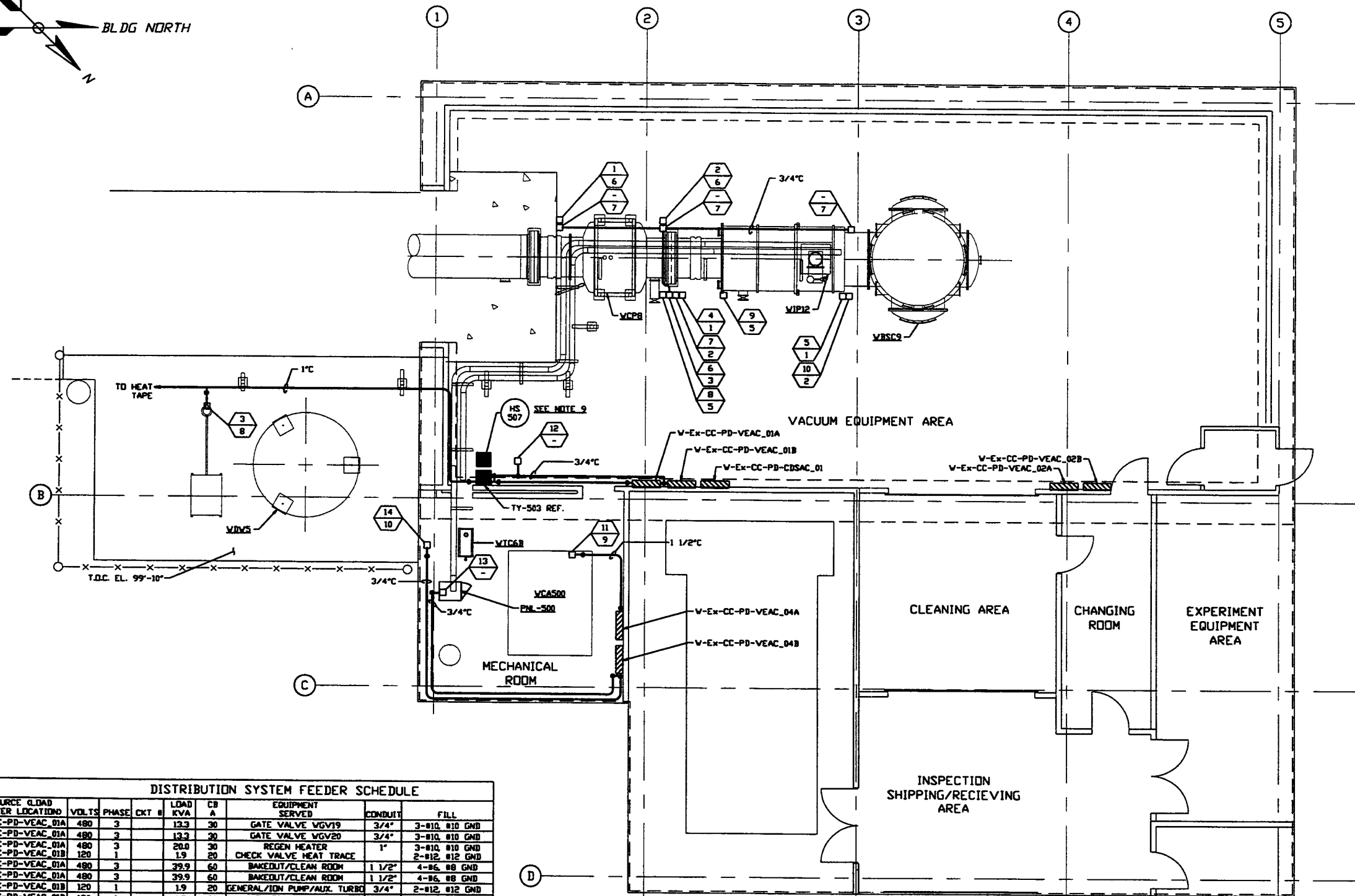


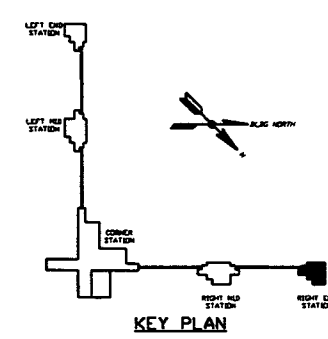
NOTES:

- 1) FOR ELECTRICAL INSTALLATION DETAILS SEE PSI DVG. V049-3-006.
- 2) CONDUIT IS SHOWN DIAGRAMMATICALLY AND SHALL BE FIELD VERIFIED SO AS TO OPTIMIZE SUPPORTING MEANS AND TO AVOID INTERFERENCES WITH PIPING SYSTEMS.
- 3) ALL RECEPTACLES SHALL BE IDENTIFIED WITH PANEL AND CKT. NUMBER.
- 4) EACH 3Ø CIRCUIT SHALL HAVE DEDICATED NEUTRAL AND GROUND.
- 5) FOR GENERAL NOTES & LEGEND SEE PSI DVG. #V049-3-001 SHT. 1.
- 6) FOR LIST OF CIVIL CONTRACTOR REFERENCE DWGS. WITH CURRENT REVISIONS SEE PSI DVG. #V049-3-001 SHT. 2.
- 7) POWER DISTRIBUTION PANELS ARE FURNISHED BY OTHERS.
- 8) AT INDOOR INSTALLATIONS, CONDUIT SHALL BE ENT. AT OUTDOOR INSTALLATIONS, CONDUIT SHALL BE IMC.
- 9) LOCATE HS-507 ADJACENT TO TY-503. SEE DETAIL 3 ON PSI DVG. #V049-3-006 FOR INSTALLATION.



DISTRIBUTION SYSTEM FEEDER SCHEDULE									
FEEDER NUMBER	SOURCE CENTER LOCATION	VOLTS	PHASE	CKT #	LOAD KVA	CB A	EQUIPMENT SERVED	CONDUIT	FILL
1	My-CC-PD-VEAC_01A	480	3		13.3	30	GATE VALVE VGV19	3/4"	3-Ø10, Ø10 GND
2	My-CC-PD-VEAC_01A	480	3		13.3	30	GATE VALVE VGV20	3/4"	3-Ø10, Ø10 GND
3	My-CC-PD-VEAC_01A	480	3		20.0	30	REGEN HEATER	1"	3-Ø10, Ø10 GND
4	My-CC-PD-VEAC_01B	120	1		1.9	20	CHECK VALVE HEAT TRACE	2-Ø12, Ø12 GND	
5	My-CC-PD-VEAC_01A	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-Ø6, Ø8 GND
6	My-CC-PD-VEAC_01A	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-Ø6, Ø8 GND
7	My-CC-PD-VEAC_01B	120	1		1.9	20	GENERAL/ION PUMP/AUX. TURBO	3/4"	2-Ø12, Ø12 GND
8	My-CC-PD-VEAC_01B	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-Ø12, Ø12 GND
9	My-CC-PD-VEAC_01B	208	3		2.0	20	TURBO PUMP	3/4"	4-Ø12, Ø12 GND
10	My-CC-PD-VEAC_01B	208	3		2.0	20	TURBO PUMP	3/4"	4-Ø12, Ø12 GND
11	My-CC-PD-VEAC_01B	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-Ø12, Ø12 GND
12	My-CC-PD-VEAC_04A	480	3		25.0	80	AIR COMPRESSOR	1 1/2"	3-Ø4, Ø6 GND
13	My-CC-PD-VEAC_01B	120	1		1.9	20	VE CONTROL TRANSFORMER	3/4"	2-Ø12, Ø12 GND
14	My-CC-PD-VEAC_04B	120	1		1.9	20	2500 L/S ION PUMP	3/4"	2-Ø12, Ø12 GND
15	My-CC-PD-VEAC_04B	208	3		4.0	30	TURBO BACKING PUMP	3/4"	4-Ø10, Ø10 GND

RIGHT END STATION PLAN @ EL. 100'-0"



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DWG. NO.	DESCRIPTION	DWG. NO.	DESCRIPTION
V049-3-006	ELECTRICAL INSTALLATION DETAILS		
V049-3-005	ION PUMP CONTROLLER CABINET WIRING DIAGRAM		
V049-3-002	WASHINGTON OVERALL SITE PLAN		
V049-3-001	GENERAL NOTES & LEGEND		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL: ± 1/16" MINUS
 DECIMAL: ± 0.015" MINUS
 HOLE DRILLING: ± 0.015" BOND ± 0.015" PLACE DECIMAL & IS FINISHED SURFACE, UNLESS OTHERWISE SPECIFIED.
 REMOVE ALL DIMS

REV	DESCRIPTION	CHKD	DRWN	DATE	ISSUE
2	ISSUE FOR CONSTRUCTION			03.12.97	0480
1	ISSUE FOR FDR UPDATE & BID			11.25.96	0355
0	ISSUE FOR FDR			04.26.96	0129

PROCESS SYSTEMS INTERNATIONAL, INC.
 20 WALRUP DR. WESTBOROUGH, MASSACHUSETTS 01581 USA

POWER PLAN
LIGO VACUUM EQUIPMENT
WASHINGTON SITE
RIGHT END STATION

CAD FILE: V0493504
 SIZE: D
 DWG. NO.: V049-3-504
 REV: 2

SCALE: 3/16" = 1' - 0"
 SHEET: 1 OF 1