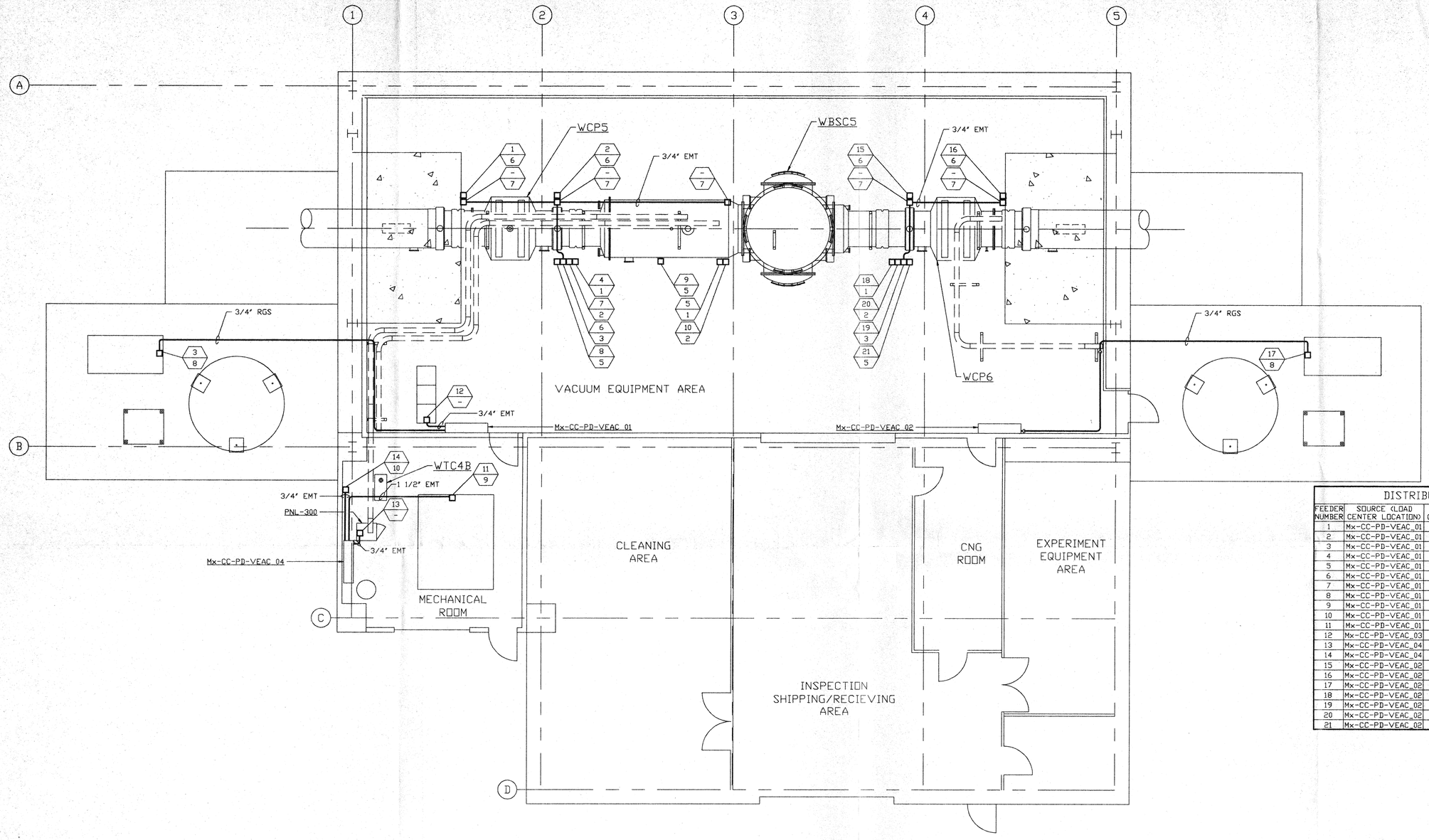

NOTES:

1.) FOR ELECTRICAL INSTALLATION DETAILS SEE PSI DWG. 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.

DISTRIBUTION SYSTEM FEEDER SCHEDULE

FEEDER NUMBER	SOURCE (LOAD CENTER LOCATION)	CKT #	EQUIPMENT SERVED	CONDUIT	FILL
1	Mx-CC-PD-VEAC_01	TBD	GATE VALVE WGV13	3/4"	3-#12, #10 GND
2	Mx-CC-PD-VEAC_01	TBD	GATE VALVE WGV14	3/4"	3-#12, #10 GND
3	Mx-CC-PD-VEAC_01	TBD	REGEN HEATER	3/4"	3-#10, #8 GND
4	Mx-CC-PD-VEAC_01	TBD	BAKEOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
5	Mx-CC-PD-VEAC_01	TBD	BAKEOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
6	Mx-CC-PD-VEAC_01	TBD	GENERAL/ION PUMP/AUX. TURBO	3/4"	2-#12, #12 GND
7	Mx-CC-PD-VEAC_01	TBD	BAKEOUT CONTROL	3/4"	2-#12, #12 GND
8	Mx-CC-PD-VEAC_01	TBD	TURBO PUMP	3/4"	4-#12, #10 GND
9	Mx-CC-PD-VEAC_01	TBD	TURBO PUMP	3/4"	4-#12, #10 GND
10	Mx-CC-PD-VEAC_01	TBD	BAKEOUT CONTROL	3/4"	2-#12, #12 GND
11	Mx-CC-PD-VEAC_01	TBD	AIR COMPRESSOR	1 1/2"	3-#4, #6 GND
12	Mx-CC-PD-VEAC_03	TBD	VE CONTROL TRANSFORMER	3/4"	2-#12, #12 GND
13	Mx-CC-PD-VEAC_04	TBD	2500 L/S ION PUMP	3/4"	2-#12, #12 GND
14	Mx-CC-PD-VEAC_04	TBD	TURBO BACKING PUMP	3/4"	4-#10, #8 GND
15	Mx-CC-PD-VEAC_02	TBD	GATE VALVE WGV15	3/4"	3-#12, #10 GND
16	Mx-CC-PD-VEAC_02	TBD	GATE VALVE WGV16	3/4"	3-#12, #10 GND
17	Mx-CC-PD-VEAC_02	TBD	REGEN HEATER	3/4"	3-#10, #8 GND
18	Mx-CC-PD-VEAC_02	TBD	BAKEOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
19	Mx-CC-PD-VEAC_02	TBD	GENERAL/ION PUMP/AUX. TURBO	3/4"	2-#12, #12 GND
20	Mx-CC-PD-VEAC_02	TBD	BAKEOUT CONTROL	3/4"	2-#12, #12 GND
21	Mx-CC-PD-VEAC_02	TBD	TURBO PUMP	3/4"	4-#12, #10 GND

NOT FOR CONSTRUCTION

LEGEND

- ELECTRICAL DEVICE CONNECTION
- XX / YY — DEVICE CONNECTION IDENTIFIER
  - XX = FEEDER NUMBER; SEE DISTRIBUTION SYSTEM FEEDER SCHEDULE THIS SHT.
  - YY = ELECTRICAL INSTALLATION DETAIL NUMBER; SEE NOTE 1
- CONDUIT; SEE PLAN FOR SIZE

APR 30 1996

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PROPRIETARY AND CONFIDENTIAL

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REFERENCE DRAWINGS

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 ±
ANGULAR:MACH ±0°-30' BEND ±2°
TWO PLACE DECIMAL ± .01
THREE PLACE DECIMAL ± .005
FINISHED SURFACE RMS
BREAK CORNERS IN: OUT:
REMOVE ALL BURRS

DO NOT SCALE THIS DRAWING
USED ON:
NEXT ASS'Y:

REV	DESCRIPTION	CHKD	DRWN	DATE	DEC#
0	ISSUE FOR FDR	DJW	PMH	04.26.96	0129

ISSUE DESCRIPTION

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

POWER PLAN
LIGO VACUUM EQUIPMENT
WASHINGTON SITE
RIGHT MID STATION

CAD FILE	SIZE	DWG. NO.	REV.
V0493304	D	V049-3-304	0

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