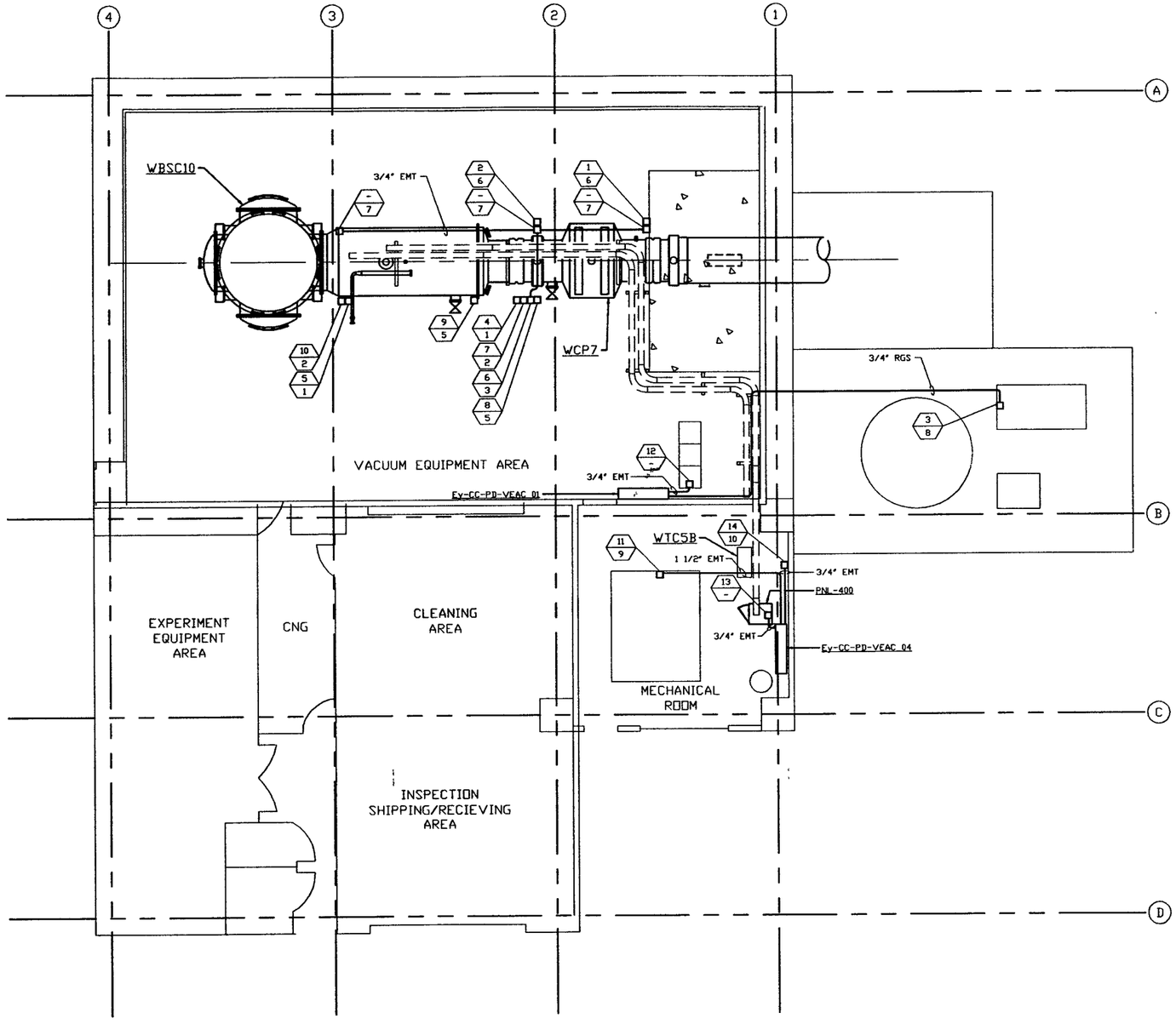

NOTES

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	Ey-CC-PD-VEAC_01	TBD	GATE VALVE VGV17	3/4"	3-#12, #10 GND
2	Ey-CC-PD-VEAC_01	TBD	GATE VALVE VGV18	3/4"	3-#12, #10 GND
3	Ey-CC-PD-VEAC_01	TBD	REGEN HEATER	3/4"	3-#10, #8 GND
4	Ey-CC-PD-VEAC_01	TBD	BAKEOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
5	Ey-CC-PD-VEAC_01	TBD	BAKEOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
6	Ey-CC-PD-VEAC_01	TBD	GENERAL/ION PUMP/AUX. TURBO	3/4"	2-#12, #12 GND
7	Ey-CC-PD-VEAC_01	TBD	BAKEOUT CONTROL	3/4"	2-#12, #12 GND
8	Ey-CC-PD-VEAC_01	TBD	TURBO PUMP	3/4"	4-#12, #10 GND
9	Ey-CC-PD-VEAC_01	TBD	TURBO PUMP	3/4"	4-#12, #10 GND
10	Ey-CC-PD-VEAC_01	TBD	BAKEOUT CONTROL	3/4"	2-#12, #12 GND
11	Ey-CC-PD-VEAC_01	TBD	AIR COMPRESSOR	1 1/2"	3-#4, #6 GND
12	Ey-CC-PD-VEAC_03	TBD	VE CONTROL TRANSFORMER	3/4"	2-#12, #12 GND
13	Ey-CC-PD-VEAC_04	TBD	2500 L/S ION PUMP	3/4"	2-#12, #12 GND
14	Ey-CC-PD-VEAC_04	TBD	TURBO BACKING PUMP	3/4"	4-#10, #8 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

LIGO-D960594-00-V

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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

REFERENCE DRAWINGS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± 30' BEND ± 2°
TWO PLACE DECIMAL ± .01
THREE PLACE DECIMAL ± .005
FINISHED SURFACE RMS
BREAK CORNERS TO REMOVE ALL BURRS

DO NOT SCALE THIS DRAWING
USED ON
NEXT ASS'Y

REV	DESCRIPTION	CHKD	DRWN	DATE	DCN#
0	ISSUE FOR FDR		D.Wu	04.26.96	0129

ISSUE DESCRIPTION

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

POWER PLAN
LIGO VACUUM EQUIPMENT
WASHINGTON SITE
LEFT END STATION

CAD FILE	SIZE	DWG. NO.	REV.
V0493404	D	V049-3-404	0

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