

DISTRIBUTION SYSTEM FEEDER SCHEDULE  
VERTEX SECTION; CORNER STATION

FEEDER NUMBER	SOURCE LOAD CENTER LOCATION	VOLTS	PHASE	CKT #	LOAD KVA	CB A	EQUIPMENT SERVED	CONDUIT	FILL
1	V-C-CC-PD-VEAC-01	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
2	V-C-CC-PD-VEAC-01	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
3	V-C-CC-PD-VEAC-01A	120	1		1.9	20	GENERAL/ION PUMP/AUX. TURBO	3/4"	2-#12, #12 GND
4	V-C-CC-PD-VEAC-01A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
5	V-C-CC-PD-VEAC-02	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
6	V-C-CC-PD-VEAC-02	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
7	V-C-CC-PD-VEAC-02A	208	3		2.0	20	TURBO PUMP	3/4"	4-#12, #12 GND
8	V-C-CC-PD-VEAC-02A	120	1		1.9	20	GENERAL/ION PUMP/AUX. TURBO	3/4"	2-#12, #12 GND
9	V-C-CC-PD-VEAC-02A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
10	V-C-CC-PD-VEAC-01	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
11	V-C-CC-PD-VEAC-01	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
12	V-C-CC-PD-VEAC-03	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
13	V-C-CC-PD-VEAC-01A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
14	V-C-CC-PD-VEAC-03A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
15	V-C-CC-PD-VEAC-01A	120	1		1.9	20	GENERAL/ION PUMP/AUX. TURBO	3/4"	2-#12, #12 GND
16	V-C-CC-PD-VEAC-02	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
17	V-C-CC-PD-VEAC-02	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
18	V-C-CC-PD-VEAC-02	480	3		7.5	20	ROUGHING PUMP	3/4"	3-#12, #12 GND
19	V-C-CC-PD-VEAC-02A	120	1		1.9	20	GENERAL/ION PUMP/AUX. TURBO	3/4"	2-#12, #12 GND
20	V-C-CC-PD-VEAC-02A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
21	V-C-CC-PD-VEAC-03	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
22	V-C-CC-PD-VEAC-03	480	3		13.3	30	GATE VALVE VGV2	3/4"	3-#10, #10 GND
23	V-C-CC-PD-VEAC-03	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
24	V-C-CC-PD-VEAC-04	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
25	V-C-CC-PD-VEAC-04	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
26	V-C-CC-PD-VEAC-04	480	3		13.3	30	GATE VALVE VGV1	3/4"	3-#10, #10 GND
27	V-C-CC-PD-VEAC-04A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
28	V-C-CC-PD-VEAC-04A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
29	V-C-CC-PD-VEAC-17	480	3		61.0	175	AIR COMPRESSOR	2"	3-#2, #6 GND
30	V-C-CC-PD-VEAC-17	480	3		15.0	40	ROUGH BACKING PUMP	2 1/4"	3-#8, #10 GND
31	V-C-CC-PD-VEAC-17	480	3		15.0	40	ROUGH BACKING PUMP	2 1/4"	3-#8, #10 GND
32	V-C-CC-PD-VEAC-17A	120	1		1.9	20	2500 U/S ION PUMP	SEE PLAN	2-#12, #12 GND
33	V-C-CC-PD-VEAC-17A	120	1		1.9	20	2500 U/S ION PUMP	SEE PLAN	2-#12, #12 GND
34	V-C-CC-PD-VEAC-17A	120	1		1.9	20	2500 U/S ION PUMP	SEE PLAN	2-#12, #12 GND
35	V-C-CC-PD-VEAC-17A	120	1		1.9	20	2500 U/S ION PUMP	SEE PLAN	2-#12, #12 GND
36	V-C-CC-PD-VEAC-17A	120	1		1.9	20	2500 U/S ION PUMP	SEE PLAN	2-#12, #12 GND
37	V-C-CC-PD-VEAC-17A	120	1		1.9	20	2500 U/S ION PUMP	SEE PLAN	2-#12, #12 GND
38	V-C-CC-PD-VEAC-17A	120	1		1.9	20	2500 U/S ION PUMP	SEE PLAN	2-#12, #12 GND
39	V-C-CC-PD-VEAC-17A	120	1		1.9	20	2500 U/S ION PUMP	SEE PLAN	2-#12, #12 GND
40	V-C-CC-PD-VEAC-17A	120	1		1.9	20	VE CONTROL TRANSFORMER	3/4"	2-#12, #12 GND
41	V-C-CC-PD-VEAC-17A	208	3		4.0	30	TURBO BACKING PUMP	3/4"	4-#10, #10 GND
42	V-C-CC-PD-VEAC-17A	208	3		4.0	30	TURBO BACKING PUMP	3/4"	4-#10, #10 GND

DISTRIBUTION SYSTEM FEEDER SCHEDULE  
LEFT BEAM MANIFOLD; CORNER STATION

FEEDER NUMBER	SOURCE LOAD CENTER LOCATION	VOLTS	PHASE	CKT #	LOAD KVA	CB A	EQUIPMENT SERVED	CONDUIT	FILL
1	V-C-CC-PD-VEAC-05	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
2	V-C-CC-PD-VEAC-05	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
3	V-C-CC-PD-VEAC-05	480	3		20.0	30	REGEN HEATER	1"	3-#10, #10 GND
4	V-C-CC-PD-VEAC-04A	120	1		1.9	20	CHECK VALVE HEAT TRACE	1"	2-#12, #12 GND
5	V-C-CC-PD-VEAC-04A	120	1		1.9	20	GENERAL/ION PUMP/AUX. TURBO	3/4"	2-#12, #12 GND
6	V-C-CC-PD-VEAC-04A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
7	V-C-CC-PD-VEAC-04A	208	3		2.0	20	TURBO PUMP	3/4"	4-#12, #12 GND
8	V-C-CC-PD-VEAC-04A	480	3		7.5	20	ROUGHING PUMP	3/4"	3-#12, #12 GND
9	V-C-CC-PD-VEAC-04A	120	1		1.9	20	GENERAL/ION PUMP/AUX. TURBO	3/4"	2-#12, #12 GND
10	V-C-CC-PD-VEAC-04A	208	3		2.0	20	TURBO PUMP	3/4"	4-#12, #12 GND
11	V-C-CC-PD-VEAC-06	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
12	V-C-CC-PD-VEAC-04A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
13	V-C-CC-PD-VEAC-04A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND

DISTRIBUTION SYSTEM FEEDER SCHEDULE  
RIGHT BEAM MANIFOLD; CORNER STATION

FEEDER NUMBER	SOURCE LOAD CENTER LOCATION	VOLTS	PHASE	CKT #	LOAD KVA	CB A	EQUIPMENT SERVED	CONDUIT	FILL
1	V-C-CC-PD-VEAC-05	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
2	V-C-CC-PD-VEAC-05	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
3	V-C-CC-PD-VEAC-05	480	3		20.0	30	REGEN HEATER	1"	3-#10, #10 GND
4	V-C-CC-PD-VEAC-03A	120	1		1.9	20	CHECK VALVE HEAT TRACE	1"	2-#12, #12 GND
5	V-C-CC-PD-VEAC-03A	120	1		1.5	20	GENERAL/ION PUMP/AUX. TURBO	3/4"	2-#12, #12 GND
6	V-C-CC-PD-VEAC-03A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
7	V-C-CC-PD-VEAC-03A	208	3		2.0	20	TURBO PUMP	3/4"	4-#12, #12 GND
8	V-C-CC-PD-VEAC-03	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
9	V-C-CC-PD-VEAC-03	480	3		7.5	20	ROUGHING PUMP	3/4"	3-#12, #12 GND
10	V-C-CC-PD-VEAC-03A	120	1		1.9	20	GENERAL/ION PUMP/AUX. TURBO	3/4"	2-#12, #12 GND
11	V-C-CC-PD-VEAC-03A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
12	V-C-CC-PD-VEAC-05	480	3		39.9	60	TURBO PUMP	3/4"	4-#12, #12 GND
13	V-C-CC-PD-VEAC-03A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND

DISTRIBUTION SYSTEM FEEDER SCHEDULE  
DIAGONAL SECTION; CORNER STATION

FEEDER NUMBER	SOURCE LOAD CENTER LOCATION	VOLTS	PHASE	CKT #	LOAD KVA	CB A	EQUIPMENT SERVED	CONDUIT	FILL
1	V-C-CC-PD-VEAC-05	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
2	V-C-CC-PD-VEAC-05	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
3	V-C-CC-PD-VEAC-03A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
4	V-C-CC-PD-VEAC-06	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
5	V-C-CC-PD-VEAC-06	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
6	V-C-CC-PD-VEAC-04A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
7	V-C-CC-PD-VEAC-03	480	3		13.3	30	GATE VALVE VGV4	3/4"	3-#10, #10 GND
8	V-C-CC-PD-VEAC-03A	208	3		2.0	20	TURBO PUMP	3/4"	4-#12, #12 GND
9	V-C-CC-PD-VEAC-03	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
10	V-C-CC-PD-VEAC-03	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
11	V-C-CC-PD-VEAC-03	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
12	V-C-CC-PD-VEAC-03A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
13	V-C-CC-PD-VEAC-03A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
14	V-C-CC-PD-VEAC-04	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
15	V-C-CC-PD-VEAC-04	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
16	V-C-CC-PD-VEAC-04	480	3		39.9	60	BAKEDOUT/CLEAN ROOM	1 1/2"	4-#6, #8 GND
17	V-C-CC-PD-VEAC-04	480	3		13.3	30	GATE VALVE VGV3	3/4"	3-#10, #10 GND
18	V-C-CC-PD-VEAC-04	480	3		7.5	20	ROUGHING PUMP	3/4"	3-#12, #12 GND
19	V-C-CC-PD-VEAC-04A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND
20	V-C-CC-PD-VEAC-04A	120	1		1.5	20	BAKEDOUT CONTROL	3/4"	2-#12, #12 GND

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UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONS: ±  
DECIMALS: ±0.005  
TWO PLACE DECIMAL: ±0.01  
THREE PLACE DECIMAL: ±0.005  
FINISHED SURFACE: ±0.005  
BREAK CORNERS TO: OUT-REMOVE ALL BURRS

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

DISTRIBUTION SYSTEM FEEDER SCHED.  
LIGO VACUUM EQUIPMENT  
WASHINGTON SITE  
CORNER STATION

DO NOT SCALE THIS DRAWING	0	ISSUE FOR FOR UPDATE & BID	REV	DESCRIPTION	CHKD	DRWN	DATE	DEDR
USED ON	REV	DESCRIPTION	CHKD	DRWN	DATE	DEDR		
NEXT ASSY.								

CAD FILE	04993120	ISSUE	D	DWG NO.	V049-3-120	REV.	1
SCALE	NONE	SHEET					1 OF 1

LIGO-D961579-01-V