



- GENERAL NOTES**
- ATTACH ALL FILTERS AND LIGHTING PANELS TO STRUCTURAL STEEL WITH ITEM #26 WIRE ROPE ASSEMBLIES PROVIDED. DRILL & TAP #10-32 HOLE IN FILTER & LIGHTING PANEL AS REQUIRED TO ATTACH WIRE ROPE SEAL ATTACHMENT TO FILTER WITH RTV SEALANT.
 - SUPPORT 3/4\" JMC CONDUIT FROM STRUCTURAL STEEL AS REQUIRED USING ITEM #25 3/4\" CONDUIT HANGER.
 - APPROX WEIGHT OF ASSEMBLY = 5600#
 - FOR STYLE 1, ASSEMBLY BOM IS V0494133G1, ITEM 11 IS P/N V0492145 P1 (QTY 1 FOR WA + QTY 1 FOR LA); FOR STYLE 3 ASSEMBLY BOM IS V0494133G3, ITEM 11 IS P/N V0492145 P3 (QTY 4 FOR WA + QTY 2 FOR LA).
 - USE GASKET MATERIAL (ITEM 8) BETWEEN ALL FIXTURES AND SUPPORT STEEL ON FRAME. A CONTINUOUS SEAL IS REQUIRED.
 - * = PARTS SUPPLIED BY PSI; ALL OTHER PARTS BY CONTRACTOR.
 - LOCATE AND INSTALL ITEM #33, DISCONNECT SWITCH AT ASSEMBLY. LOCATE AND DRILL AT ASSEMBLY (3) 1/4-20 HOLES FOR INSTALLATION OF DISCONNECT SWITCH.

ELECTRONIC COPY

ITEM	PSI PART NUMBER	QTY	U/M	DESCRIPTION
34	V049E109	3	EA	FUSE, 30A, LITTLEFUSE #FLSR30
33	V049E108	1	EA	DISCONNECT SWITCH, FUSED, 60A, 600VAC CUTLER HAMMER DH362NGK
32	BY FIELD	24	EA	FLUORESCENT BULB, 4100K, 25 WATT SYLVANIA UCTRON F025/741
30	V0492142-P3	6	EA	2' X 3' LIGHTING PANEL, 277VAC PER SPEC V049-2-142
29	V0492142-P2	22	EA	2' X 3' HEPA FILTER/BLOWER, 277VAC PER SPEC V049-2-142
28	V049E042	1	EA	COVER, DEVICE BOX, BLANK SINGLE GANG
27	B0529052	52	EA	SCREW, #10-32 X 1/2\" LG S/S
26	V049E033	26	EA	WIRE ROPE ASSY, 1/16\" DIA EYE BOTH ENDS 18\" LG, 96 LBS CAP
25	0829437	4	EA	CONDUIT, 3/4\" HANGER
24	V049E041	18	EA	COVER, DEVICE BOX, DUPLEX RECEPTACLE SINGLE GANG
23	V049E040	18	EA	RECEPTACLE, DUPLEX, 15A 277VAC NEMA L7-15R, TWISTLOCK
22	V049E039	1	EA	DEVICE BOX, SINGLE GANG, (1) 3/4\" HUBS ALUMINUM W/ MNTG LUGS
21	V049E032	18	EA	DEVICE BOX, SINGLE GANG, (2) 3/4\" HUBS ALUMINUM W/ MNTG LUGS
20	0829432	54	FT	CONDUIT, 3/4\" JMC
19	N300578	1	EA	CONDUIT HUB, 3/4\"
18	202190	30	FT	CABLE, 5/16\" #8 AWG, TYPE SD 90\"C, 500VAC
17	V049E030	1	EA	MALE PLUG, TWIST-LOCK, 60A 3 PH 'Y' 277/480VAC
16	V049E031	1	EA	CORD GRIP, 1\" NPT, ALUMINUM 875 - 100 DIA GRIP

ITEM	PSI PART NUMBER	QTY	U/M	DESCRIPTION
15	B0521043	34	EA	SCREW, 1/4-20 X 3/4\" LG S/S
14	V0493041	1	EA	ASSY, JUNCTION FUSE BOX, CLEAN ROOM BEAM SPLITTER MODULE
13	EP76TL	4	EA	WIRE NUT, RED, #4-#12
12	200802	1	EA	CONDUIT UNION, 3/4\", THREE PIECE
11	SEE NOTE 4	1	EA	CLEAN ROOM SOFTWALL PANEL SET, BSC PER SPEC V049-2-145
10	V049E106	2	EA	CEILING PANEL, 2' X 3' X 1/2\" THK GLASS 100 CLEAN ROOM
9				
8	V049E025	200	FT	GASKET, ADHESIVE, 1/2\" X 1/4\" THK BLACK NEOPRENE
7				
6	V049E107	3	EA	90\" FEMALE PULLING ELBOWS, 3/4\" JMC
5	B0520654	16	EA	1/2\"-13 HEX NUT S/S
4	B0521632	16	EA	1/2\" FLAT WASHER S/S
3	B0521063	16	EA	SCREW, 1/2\"-13 X 2\" LG S/S
2	V049E022	4	EA	CASTER, 6\" DIA X 3\" W/BRAKE 1800 LBS CAP HAMILTON
1	V0494134	1	EA	STRUCTURE WELDMENT, CLEAN ROOM BEAM SPLITTER CHAMBER

DWG NO	DESCRIPTION	DWG NO	DESCRIPTION
V049-3-042	BSC ELECTRICAL SCHEMATIC	V049-4-134	CLEAN ROOM STRUCTURE WELDMENT
V049-2-145	SPEC CLEAN ROOM SOFT WALL PANELS-BSC		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL: ± ANGLES: MINUS 1/8\" BEAD: ± 1/16\"
 TWO PLACE DECIMAL: ± 0.01
 THREE PLACE DECIMAL: ± 0.005
 FINISHED SURFACE: DIMS: ± 0.010
 BREAK CORNERS: IN: ± 0.010
 DO NOT SCALE THIS DRAWING
 USED ON: _____
 NEXT ASS'Y: _____

REV	DESCRIPTION	CHKD	DRWN	DATE	DECD
5	ADDED DISCONNECT SWITCH			8/31/98	0629
4	REISSUED FOR FABRICATION AS NOTED	REB	RDC	08/19/97	0541
3	REISSUED FOR FABRICATION AS NOTED	REB	RDC	5/20/97	0469
2	REISSUED FOR FABRICATION AS NOTED	REB	RDC	5/7/97	0482
1	REISSUED FOR FABRICATION	PEF	REC	4/7/97	0448
0	ISSUED FOR FABRICATION		RB	3/10/97	

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

BSC CLEAN ROOM ASSEMBLY
BSC STYLE 1 & 3

LIGO VACUUM EQUIPMENT

CAD FILE: V0494133
 SIZE: D
 DWG NO: V049-4-133
 REV: 5

SCALE: 1\"=2\"
 SHEET: 1 OF 1

EDUCATIONAL USE ONLY

Aug 31, 1998 12:01:03