



- GENERAL NOTES:**
- 1) 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
 - 2) SUPPORT 3/4" IMC CONDUIT FROM STRUCTURAL STEEL AS REQUIRED USING ITEM #25 3/4" CONDUIT HANGER.
 - 3) TYPICAL FOR QTY.-2 TOTAL FOR PROJECT
 - 4) APPROX. WEIGHT= 5500#
 - 5) USE GASKET MATERIAL (ITEM 8) BETWEEN ALL FIXTURES AND SUPPORT STEEL ON FRAME. A CONTINUOUS SEAL IS REQUIRED

ITEM	PART NUMBER	QTY	U/M	DESCRIPTION	ITEM	PART NUMBER	QTY	U/M	DESCRIPTION
30	V0492142-P3	4	EA	2' X 3' LIGHTING PANEL, 277VAC PER SPEC V049-2-142	15	80521043	31	EA	HHCS, 1/4-20 X 3/4" LG
29	V0492142-P2	16	EA	2' X 3' HEPA FILTER/BLOWER, 277VAC PER SPEC V049-2-142	14	V0493041	1	EA	ASSY. JUNCTION FUSE BOX, CLEAN ROOM BEAM SPLITTER MODULE
28	V049E042	1	EA	COVER, DEVICE BOX, BLANK SINGLE GANG	13	EP75TL	4	EA	WIRE NUT, RED, #4-#12
27	80529852	52	EA	HHCS, #10-32 X 1/2" LG	12	200802	1	EA	CONDUIT UNION, 3/4", THREE PIECE
26	V049E033	26	EA	WIRE ROPE ASSY, 1/16" DIA EYE BOTH ENDS 18' LG, 96 LBS CAP	11	V0492145 P2	1	EA	CLEAN ROOM SOFTWALL PANEL SET, BSC PER SPEC V049-2-145
25	0829437	4	EA	CONDUIT, 3/4" HANGER	10	V049E106	4	EA	CEILING PANEL, 2' X 3' X 1/2" THK CLASS 100 CLEAN ROOM
24	V049E041	18	EA	COVER, DEVICE BOX, DUPLEX RECEPTACLE SINGLE GANG	9				
23	V049E040	18	EA	RECEPTACLE, DUPLEX, 15A 277VAC NEMA L7-15R, TWISTLOCK	8	V049E025	200	FT	GASKET, ADHESIVE, 1/2" X 1/4" THK BLACK NEOPRENE
22	V049E039	1	EA	DEVICE BOX, SINGLE GANG, (1) 3/4" HUBS ALUMINUM W/ MNTG LUGS	7				
21	V049E032	18	EA	DEVICE BOX, SINGLE GANG, (2) 3/4" HUBS ALUMINUM W/ MNTG LUGS	6	V049E107	3	EA	90° FEMALE PULLING ELBOW, 3/4" IMC
20	0829432	54	FT	CONDUIT, 3/4", IMC	5	80520654	16	EA	1/2"-13 HEX NUT
19	300578	1	EA	CONDUIT HUB, 3/4"	4	80521632	16	EA	1/2" FLAT WASHER
18	202190	30	FT	CABLE, 5/8" #8 AWG, TYPE SD 90°C, 600VAC	3	80521063	16	EA	HHCS, 1/2"-13 X 2" LG
17	V049E030	1	EA	MALE PLUG, TWIST-LOCK, 60A 3 PH, 4Y, 277/480VAC	2	V049E022	4	EA	CASTER, 6" DIA X 3" W/BRAKE 1800 LBS. CAP
16	V049E031	1	EA	CORD GRIP, 1" NPT, ALUMINUM 875 - 100 DIA. GRIP	1	V0494138	1	EA	STRUCTURE WELDMENT, CLEAN ROOM BEAM SPLITTER CHAMBER
BILL OF MATERIALS					BILL OF MATERIALS				

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DWG. NO	DESCRIPTION	REFERENCE DRAWINGS	DWG. NO	DESCRIPTION
V0494138	CLEAN ROOM STRUCTURE WELDMENT			

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL:
 ANGULAR: ±0.25°
 HOLE: ±0.010"
 TYPICAL: ±0.010"
 FINISHED SURFACE: ±0.010"
 BREAK CORNERS: R0.015"
 REMOVE ALL BURRS

REV	DESCRIPTION	CHKD	DRWN	DATE	DEGR
2	REISSUED FOR FABRICATION AS NOTED	REB	RDC	5/27/97	0489
1	REISSUED FOR FABRICATION AS NOTED	REC	REC	5/7/97	0482
0	ISSUED FOR FABRICATION	PEF	REC	04/11/97	0448

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BSC CLEAN ROOM ASSEMBLY
BEAM SPLITTER CHAMBER
STYLE NO. 2
LIGO VACUUM EQUIPMENT

CAD FILE: V0494135
 Dwg No: V049-4-135
 SHEET: 1 OF 1