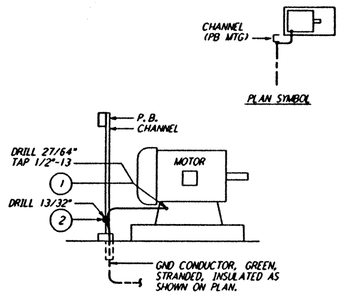
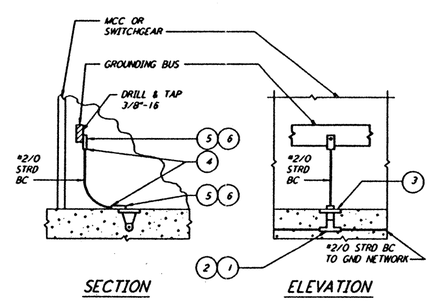


LIST OF MATERIAL

ITEM NO.	QTY	DESCRIPTION
1	1	SERVIT POST, #2-#2/0 WIRES, BURNDY K2C26
2	1	CONNECTOR, TWO #4-#2/0 WIRE FLAT BAR, BURNDY TYPE GCM26 (LONGER BOLT AS REQ'D)

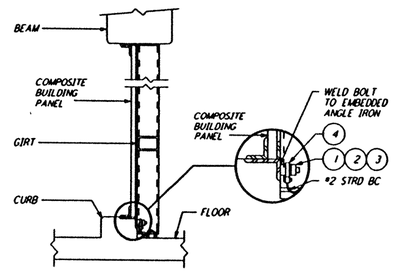
MOTOR GROUNDING (1 REF)
N. T. S.



LIST OF MATERIAL

ITEM NO.	QTY	DESCRIPTION
1	AR	MOLD HORIZONTAL TEE, #4/0-#4/0 WIRE
2	1	CARTRIDGE, STANDARD POWDER 150 GRAMS
3	1	FLUSH PLATE, #4/0 WIRE SIZE, 3/8" TAPPED
4	2	LUG, #1/0-#2/0 WIRE x 3/8" BOLT
5	2	SILICONE-BRONZE BOLT, 3/8"-16 x 3/4" LONG
6	2	SILICONE-BRONZE LOCKWASHER SPRING 3/8"

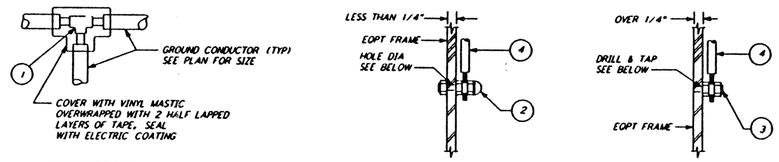
SWITCHGEAR OR MCC GROUNDING (2 REF)
N. T. S.



LIST OF MATERIAL

ITEM NO.	QTY	DESCRIPTION
1	1	BOLT, 3/8"-16 x 1", HEX HEAD STAINLESS STEEL
2	1	LOCKWASHER, 3/8", STAINLESS STEEL
3	1	NUT, 3/8"-16, STAINLESS STEEL
4	1	LUG, BOLTED CLAMP TYPE, BRONZE

COMPOSITE BUILDING PANEL GROUNDING (3 REF)
N. T. S.



TYPE	WIRE SIZE RUN	WIRE SIZE TAP
A	#4/0	#4/0
B	#4/0	#2/0
C	#4/0	#2
D	#2	#2
E	#2	#4
F	#2/0	#2/0
G	#2/0	#2
H	#1/0	#1/0

WIRE TO WIRE
*A THERMAL CONNECTION

TYPE	WIRE SIZE	HOLE DIA.
A	#8-#2/0	7/16"

BOLTED
*B CONNECTION

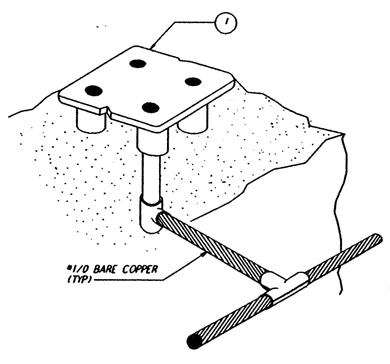
TYPE	WIRE SIZE	TAPPED HOLE
A	#8-#2	3/8"-16
B	#2-#2/0	1/2"-13

TAPPED
*C CONNECTION

LIST OF MATERIAL

ITEM NO.	QTY	DESCRIPTION
1	1	THERMAL WELD, GROUND, SIZE AS REQUIRED
2	1	GROUND CONNECTOR, CABLE TO BAR, SIZE AS REQUIRED
3	1	GROUND POST, SIZE AS REQUIRED
4	AR	TYPE "TW" INSULATED GREEN GROUND WIRE (UNLESS OTHERWISE NOTED)

GROUNDING CONNECTIONS (4* REF E-103, E-202, E-208)
N. T. S.



LIST OF MATERIAL

ITEM NO.	QTY	DESCRIPTION
1	1	GROUND PLATE, FLUSH, CADWELD #B16420

FLUSH FLOOR GROUND PLATE (5 REF E-202, E-208)
N. T. S.

REFERENCES	
DRAWING NO.	DESCRIPTION

REVISIONS						
NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
B	7-24-96	MM	JCL	KR	TDM	ISSUED FOR BID
A	6-14-96	MM	JCL	KR	TDM	FINAL DESIGN REVIEW

DRAWN	M. M.	
CHECKED		
ENGINEER		
PROJ		

PARSONS
100 WEST WALNUT STREET
PASADENA, CALIFORNIA

LIGO
CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY
SITE NO. 2 - LIVINGSTON, LOUISIANA

TITLE: ELECTRICAL GROUNDING DETAILS SHEET 1

SCALE: NONE | CONTRACT NUMBER: PP150969 | PROJECT NUMBER: 8094
SHEET NUMBER: LA-E-405 | REVISION: B

LIGO-D961041-B-O 1 LIGOLAF.BDR

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