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TRANSFORMER/EQUIP. GROUNDING (1) REF
N. T. S.

ITEM NO.	QTY	DESCRIPTION
1	2	SERVIT POST TWO #2-#2/0 WIRES SHORT STUD BURNIDY TYPE K2C-26

4

GROUND WELL (2) REF
N. T. S.

ITEM NO.	QTY	DESCRIPTION
1	1	BROOKS #9 CONCRETE COVER WT=11 LBS WITH 9 GAGE RE-BAR
2	1	CONNECTOR 3 WIRES X 3/4" GROUND ROD BURNIDY #GK6426
3	1	BROOKS #9 BODY (9" DIA X 24" LONG) WT=49 LBS
4	1	GROUND ROD COPPER-CLAD STEEL 5/8" DIA X 10'-0" COPPER WELD

3

EXOTHERMIC WELD TO STRUCTURE (3) REF
N. T. S.

ITEM NO.	QTY	DESCRIPTION
1	1	CADWELD MOLD #HDVBC-2C
2	1	CARTRIDGE STANDARD POWDER 200 GRAMS

2

GROUNDING CONNECTIONS (4) REF
N. T. S.

TYPE	WIRE SIZE RUN	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

TYPE	WIRE SIZE	HOLE DIA.
A	#6-#2/0	7/16"

TYPE	WIRE SIZE	TAPPED HOLE
A	#6-#2	3/8"-16
B	#2-#2/0	1/2"-13

FLUSH FLOOR GROUND PLATE (5) REF
N. T. S.

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

GROUNDING CABLE PROTECTIVE SLEEVE (6) REF
N. T. S.

ITEM NO.	QTY	DESCRIPTION
1	1	CLAMP, GALV STEEL 1 1/4" DIA CONDUIT
2	1	BOLT, 1/4"-20 x 1" LG HEX HD SST
3	1	END BELL, FOR 1 1/4" DIA PVC CONDUIT
4	AR	CEMENT FOR PVC CONDUIT AND FITTINGS
5	1FT	CONDUIT, PVC 1 1/4" DIA SCH 40
6	1	ANCHOR, MASONRY 1/4"-20
7	1	CLAMP BACK, 1 1/4", GALV STEEL
8	1	WASHER, 1/4" * FLAT SST

REFERENCES NO. DATE BY CHKD ENGR PROJ DESCRIPTION	REVISIONS NO. DATE BY CHKD ENGR PROJ DESCRIPTION	DRAWN M. M. CHECKED ENGINEER PROJ	100 WEST WALNUT STREET PASADENA, CALIFORNIA	CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	LIGO-D961243-A-O LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY SITE NO. 2 - LIVINGSTON, LOUISIANA ELECTRICAL GROUNDING DETAILS AS NOTED PPI50969 8094 LA-E-505
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