



MATERIALS LIST

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| <ul style="list-style-type: none"> 1 MANUALLY CONTROLLED RECTIFIER
INPUT: 120/240 VAC
OUTPUT: PER PROJECT REQUIREMENTS 2 TRANSFORMER 3 SCR BRIDGE DIODES 4 AMMETER 5 RECTIFIER SHUNT 6 VOLTMETER 7 POSITIVE JUMPER WIRE- #6 AWG STR COPPER WITH RED THWN 8 NEGATIVE JUMPER WIRE #6 AWG STR COPPER WITH BLUE THWN 9 AMERICAN INNOVATIONS MICROMAX GPS 300 CURRENT INTERRUPTER 10 NTE ELECTRONICS, INC. MODEL NO. RS3ID4041M RELAY WITH HEATSINK | <ul style="list-style-type: none"> 11 SHUNT PANEL 12 BUS BAR 13 HOLLOWAY TYPE JB 0.01 OHM SHUNT (TYPICAL) 14 0.001 OHM SHUNT 15 ANODE GROUNDBED 16 #8 AWG HMWPE/HALAR ANODE LEAD WIRE (TYPICAL) 17 CATHODICALLY PROTECTED STRUCTURE 18 2-#4 AWG HMWPE STRUCTURE LEADS IN 1 1/2"ØSCH 40 PVC ELECT CONDUIT 19 2-#8 AWG HMWPE STRUCTURE IR-DROP LEADS IN 1 1/2"ØSCH 40 PVC ELECT CONDUIT. SEE PIPELINE CURRENT SPAN TABLE FOR MINIMUM UP OR DOWN STREAM ATTACHMENT POINTS TO STRUCTURE |
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REVISION	BY	APPROVED	DATE
ORIGINAL	EF	J. NAGELVOORT	10/19

CITY OF SAN DIEGO – STANDARD DRAWING

IMPRESSED CURRENT WIRING SCHEMATIC

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE
 10/10/19
 COORDINATOR R.C.E. 56523 DATE

DRAWING NUMBER **SDW-182**