



REVISION HISTORY			
REV.	DESCRIPTION OF CHANGE	DATE	SIGN
A	DESIGN RELEASE	8/6/12	RAQ
B	ROTATED TRANSFORMER, 90° ADDED MOUNTING HOLES INCREASED HEIGHT, 4"	8/7/12	RAQ
C	ADDED TOP AND BOTTOM FLANGES PUT 4 ELONGATED HOLES ON 16" CENTERS ROUNDED CORNERS MOVED SI CLOSER TO TRANSFORMER WAS 18.469", IS 18.619"	9/5/12	RAQ
D	ALIGNED BREAKERS WITH SHEET METAL WAS 17.335", IS 17.184"	9/11/12	RAQ
E	LENTHENED PART TO ACCOMODATE 4" LARGER TRANSFORMER WAS 61.92", IS 63.XX"	9/14/12	RAQ
F	ADDED TO ACCESS HOLES FOR AUTOTRANSFORMER WIRES, 1.093" KNOCK OUT AND 2" DIAMETER	10/8/12	RAQ
G	ADD SLOT TO KNOCK OUT ADD SI MOUNTING PLATE HOLES 17.080" X 15.760"	12/10/12	RAQ
H	ADDED 16X, #12 SNAIL SHELLS, FOR SECURING TRANSFORMER ASSY TO PLATE CHANGED E-PANEL THRU HOLES FROM .266 TO #12 SNAIL SHELLS CHANGED 4 SMA MOUNTING PLATE HOLES FROM .377" TO .344" 6 MM INSERT HOLES ADDED SIDE SLITS FOR HOIST EYELETS INCREASED LENGTH 1.5" TO PROTECT SPD'S, WELD CORNERS	12/12/12	RAQ
J	ADDED TWO MORE SETS OF SLITS FOR THE LIFT BRACKET	12/18/12	RAQ
K	ADDED TWO MORE 1/4-20-2 PEMS FOR E-PANEL CONVERTED OTHER THRU HOLES TO 1/4-20-2 PEMS ADDED .750" AND 12.000" FOR REFERENCE REPLACED DIN RAIL TERMINAL BLOCK WITH 2/0 BUSBAR AND STANDOFFS DELETED 3X .130", ADDED 4X .203" HOLES REPLACED SUNNY ISLAND THRU HOLES WITH 1/4-20 PEM NUTS, REMOVED THREE UNUSED THRU HOLES REMOVED SI GROUND STUD CLEARANCE HOLE ADDED GROUND LUG, .240 X .240	2/20/13	RAQ

NOTES

- 1) MATERIAL: .0598", STEEL
- 2) FINISH: POWDER COAT, CARDINAL GRAY, GR522
- 3) PROCESS: SHEET METAL FABRICATION
WELDING AND POWDER COAT
- 4) WEIGHT: 28.284 lbmass

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	3-391-1	REV K SMA , E-PANEL, AUTOTRANSFORMER BACKING PLATE
3	21	PENN CLS-0420-2	PENN CLS-0420-2

ALL TOLERANCES, UNLESS OTHERWISE STATED: x.xxx=+/-0.005" x.xx=+/-0.01" x.x=+/-0.05" ALL ANGLES =+/- 1° UNLESS OTHERWISE STATED		DRAWN Bob Q	2/19/2013
MATERIAL:		CHECKED	
FINISH:		QA	
PROCESS:		MFG	
STANDARDS:		APPROVED	

MIDNITE SOLAR, INC

TITLE: **3-391-10 REV K MNSMA
E-PANEL AND TRANSFORMER
BACKING PLATE ASSY**

SIZE B	PROJECT: SMA	DWG NO 3-391-10	REV K
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E-FILE: 3-391-1 REV K SMA , E-PANEL, AUTOTRANSFORMER BACKING PLATE.ipt SHEET 1 OF 2



FLAT PATTERN, 1:1

DRAWN Bob G	2/19/2013	TITLE	3-391-10 REV K MNSMA
CHECKED		DATE	E-PANEL AND TRANSFORMER
QA		SCALE	BACKING PLATE ASSY
PGF		SIZE (inches)	1:1
APPROVED		SCALE	1:1
		REV	K
		SHEET 2 OF 2	