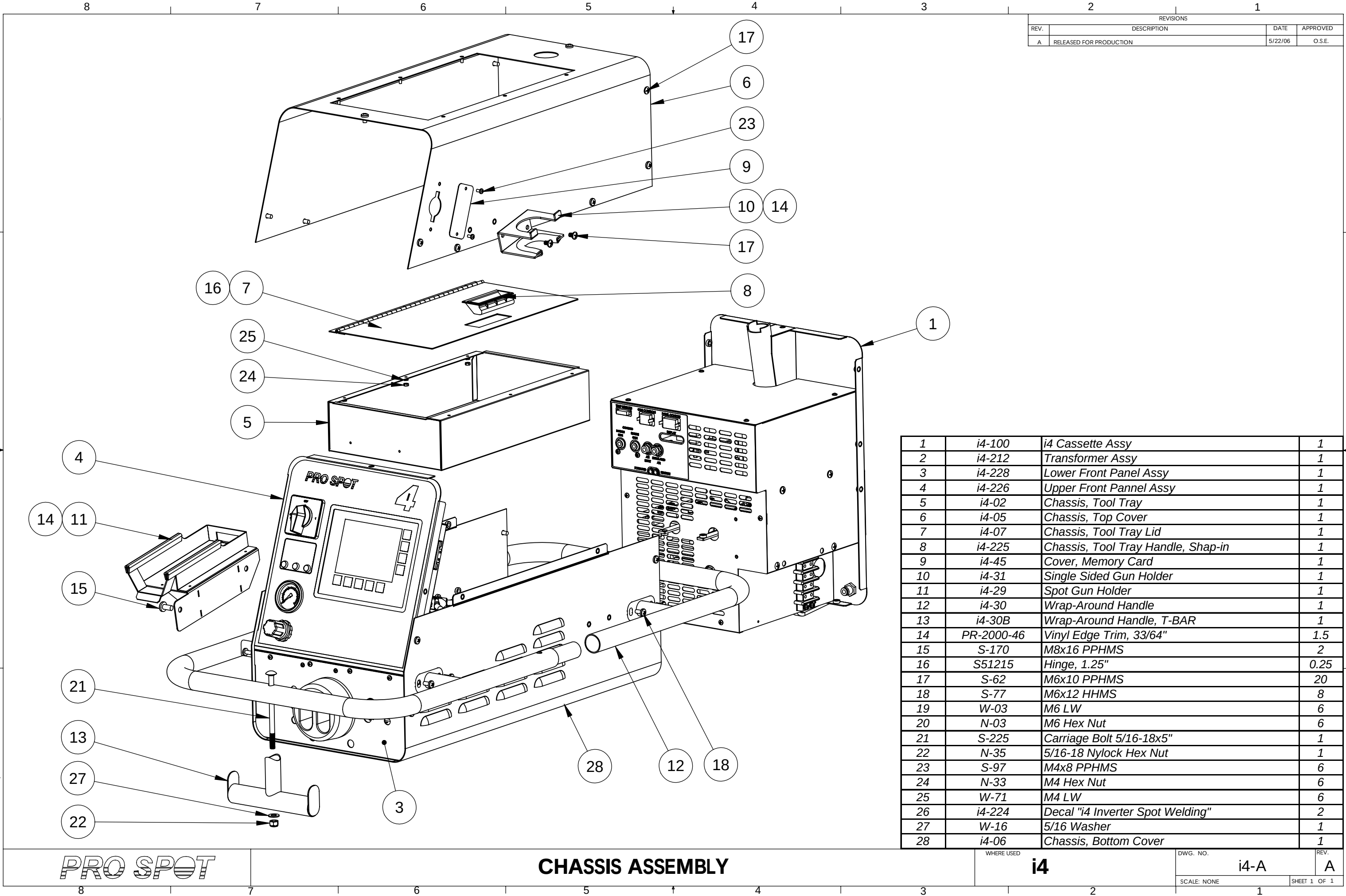




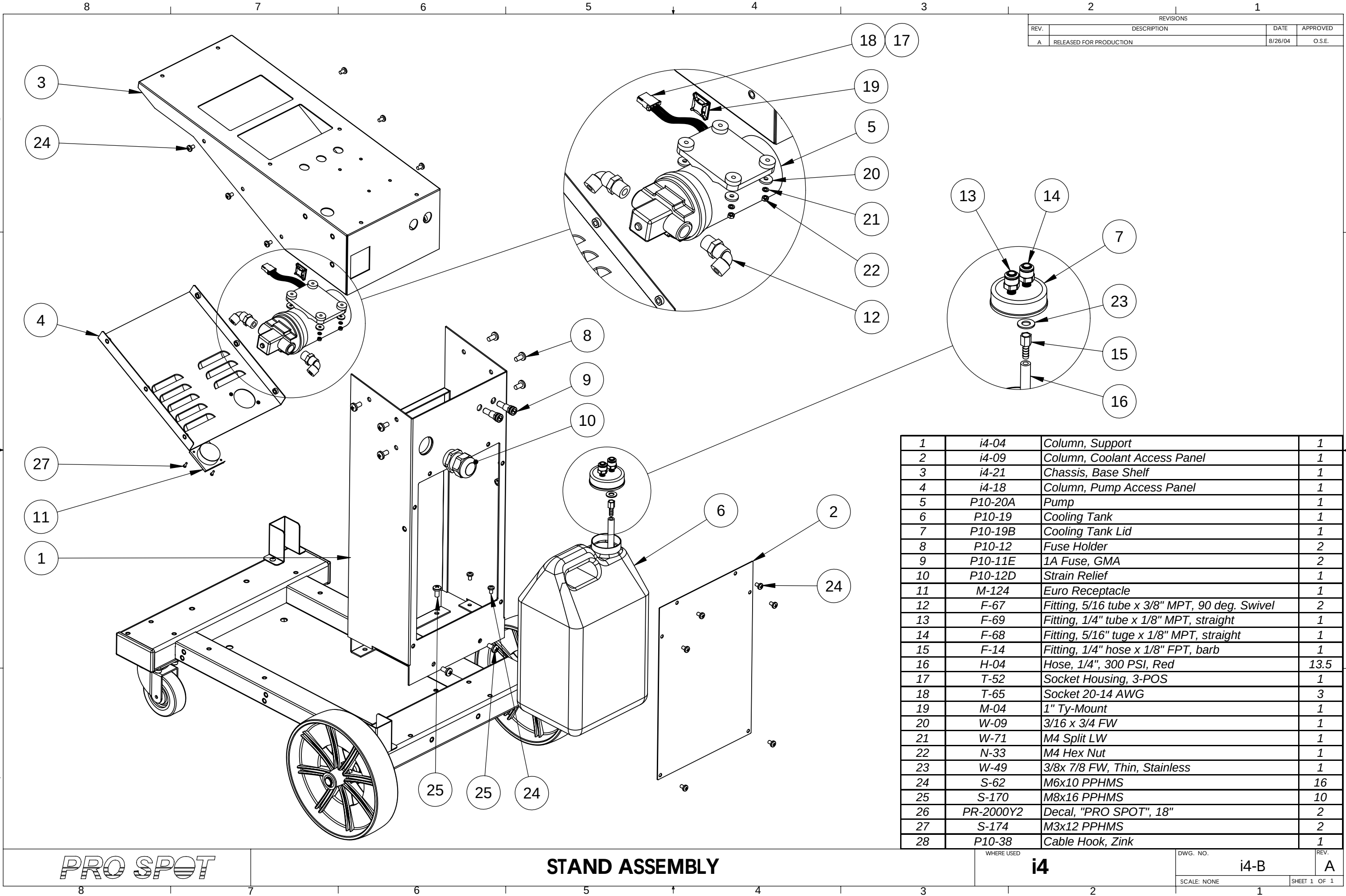
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	5/22/06	O.S.E.

1	i4-100	i4 Cassette Assy	1
2	i4-212	Transformer Assy	1
3	i4-228	Lower Front Panel Assy	1
4	i4-226	Upper Front Pannel Assy	1
5	i4-02	Chassis, Tool Tray	1
6	i4-05	Chassis, Top Cover	1
7	i4-07	Chassis, Tool Tray Lid	1
8	i4-225	Chassis, Tool Tray Handle, Shap-in	1
9	i4-45	Cover, Memory Card	1
10	i4-31	Single Sided Gun Holder	1
11	i4-29	Spot Gun Holder	1
12	i4-30	Wrap-Around Handle	1
13	i4-30B	Wrap-Around Handle, T-BAR	1
14	PR-2000-46	Vinyl Edge Trim, 33/64"	1.5
15	S-170	M8x16 PPHMS	2
16	S51215	Hinge, 1.25"	0.25
17	S-62	M6x10 PPHMS	20
18	S-77	M6x12 HHMS	8
19	W-03	M6 LW	6
20	N-03	M6 Hex Nut	6
21	S-225	Carriage Bolt 5/16-18x5"	1
22	N-35	5/16-18 Nylock Hex Nut	1
23	S-97	M4x8 PPHMS	6
24	N-33	M4 Hex Nut	6
25	W-71	M4 LW	6
26	i4-224	Decal "i4 Inverter Spot Welding"	2
27	W-16	5/16 Washer	1
28	i4-06	Chassis, Bottom Cover	1

PRO SPOT

CHASSIS ASSEMBLY

WHERE USED	i4	DWG. NO.	i4-A	REV.	A
SCALE: NONE		SHEET 1 OF 1			



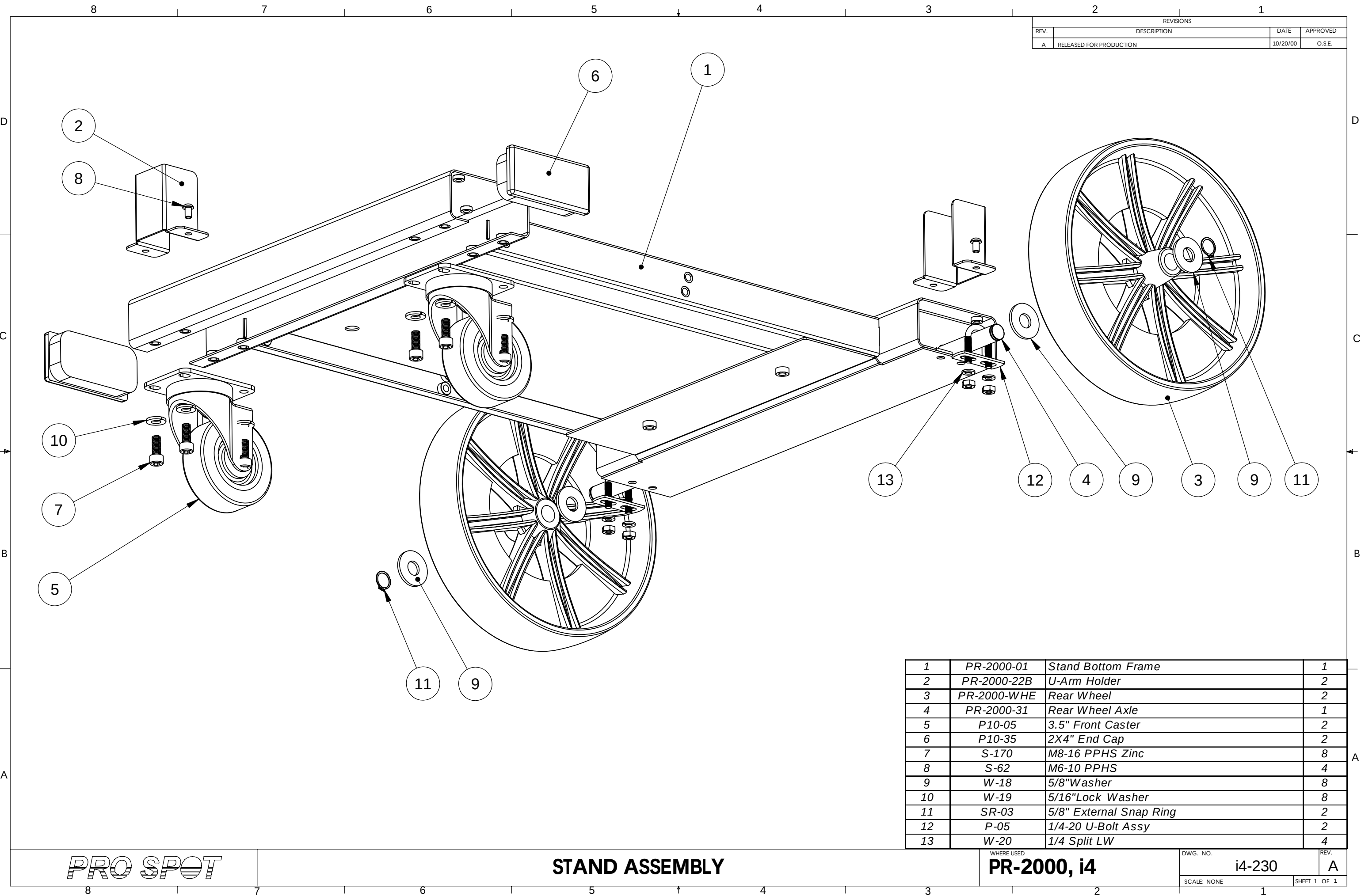
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	8/26/04	O.S.E.

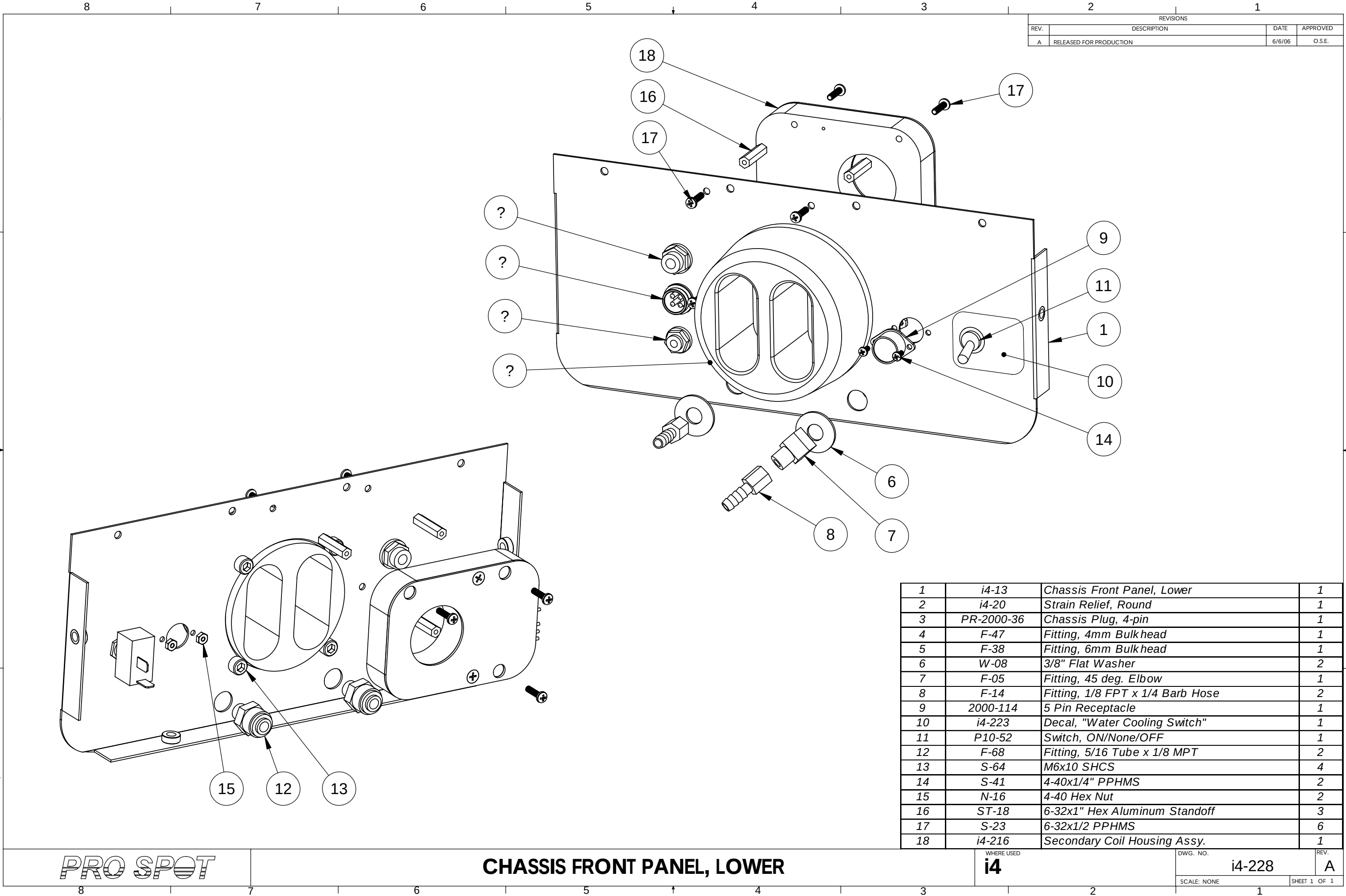
1	i4-04	Column, Support	1
2	i4-09	Column, Coolant Access Panel	1
3	i4-21	Chassis, Base Shelf	1
4	i4-18	Column, Pump Access Panel	1
5	P10-20A	Pump	1
6	P10-19	Cooling Tank	1
7	P10-19B	Cooling Tank Lid	1
8	P10-12	Fuse Holder	2
9	P10-11E	1A Fuse, GMA	2
10	P10-12D	Strain Relief	1
11	M-124	Euro Receptacle	1
12	F-67	Fitting, 5/16 tube x 3/8" MPT, 90 deg. Swivel	2
13	F-69	Fitting, 1/4" tube x 1/8" MPT, straight	1
14	F-68	Fitting, 5/16" tuge x 1/8" MPT, straight	1
15	F-14	Fitting, 1/4" hose x 1/8" FPT, barb	1
16	H-04	Hose, 1/4", 300 PSI, Red	13.5
17	T-52	Socket Housing, 3-POS	1
18	T-65	Socket 20-14 AWG	3
19	M-04	1" Ty-Mount	1
20	W-09	3/16 x 3/4 FW	1
21	W-71	M4 Split LW	1
22	N-33	M4 Hex Nut	1
23	W-49	3/8x 7/8 FW, Thin, Stainless	1
24	S-62	M6x10 PPHMS	16
25	S-170	M8x16 PPHMS	10
26	PR-2000Y2	Decal, "PRO SPOT", 18"	2
27	S-174	M3x12 PPHMS	2
28	P10-38	Cable Hook, Zink	1

PRO SPOT

STAND ASSEMBLY

WHERE USED	i4	DWG. NO.	i4-B	REV.	A
SCALE: NONE		SHEET 1 OF 1			





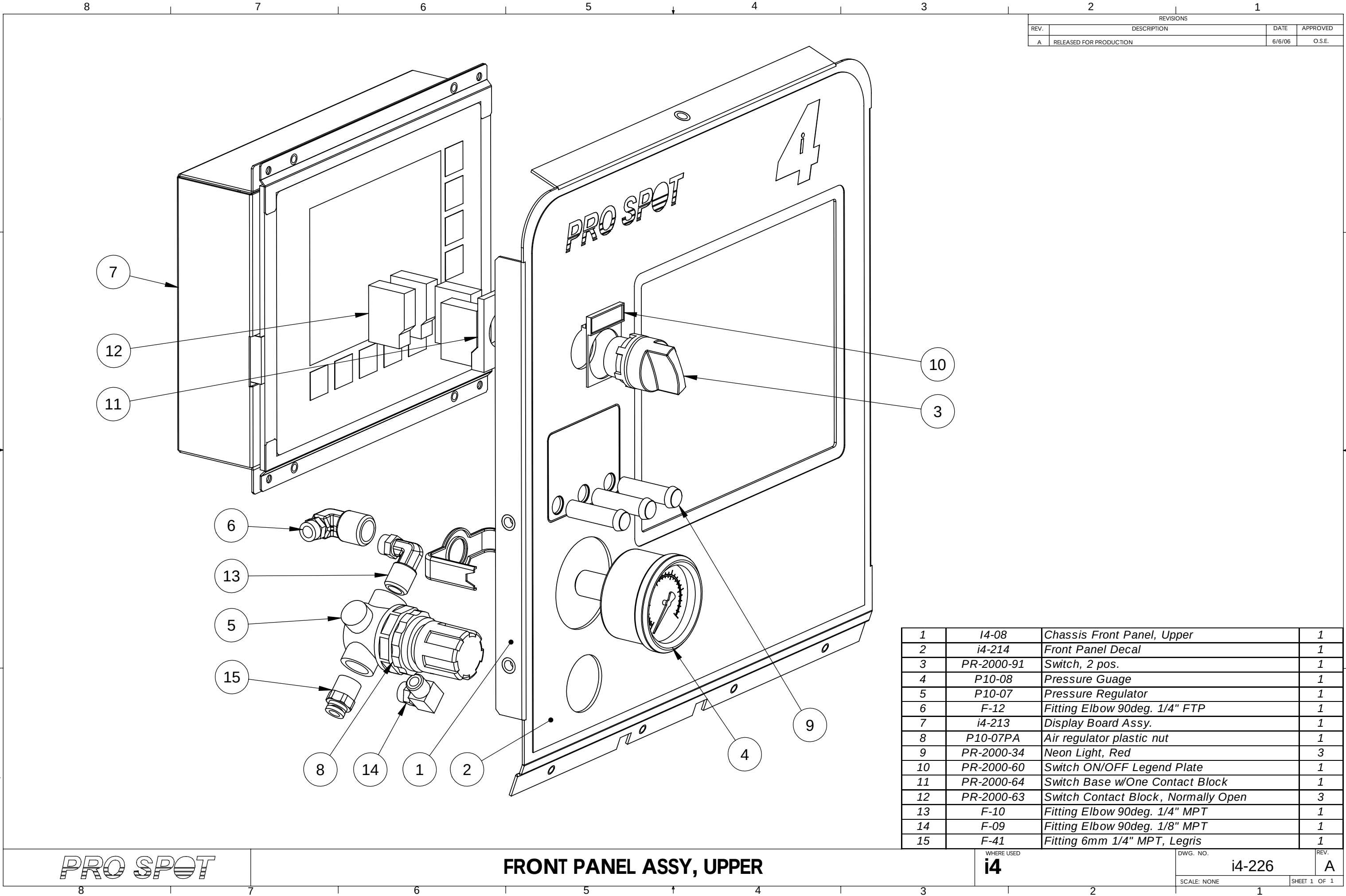
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	6/6/06	O.S.E.

1	i4-13	Chassis Front Panel, Lower	1
2	i4-20	Strain Relief, Round	1
3	PR-2000-36	Chassis Plug, 4-pin	1
4	F-47	Fitting, 4mm Bulk head	1
5	F-38	Fitting, 6mm Bulk head	1
6	W-08	3/8" Flat Washer	2
7	F-05	Fitting, 45 deg. Elbow	1
8	F-14	Fitting, 1/8 FPT x 1/4 Barb Hose	2
9	2000-114	5 Pin Receptacle	1
10	i4-223	Decal, "Water Cooling Switch"	1
11	P10-52	Switch, ON/None/OFF	1
12	F-68	Fitting, 5/16 Tube x 1/8 MPT	2
13	S-64	M6x10 SHCS	4
14	S-41	4-40x1/4" PPHMS	2
15	N-16	4-40 Hex Nut	2
16	ST-18	6-32x1" Hex Aluminum Standoff	3
17	S-23	6-32x1/2 PPHMS	6
18	i4-216	Secondary Coil Housing Assy.	1

PRO SPOT

CHASSIS FRONT PANEL, LOWER

WHERE USED	DWG. NO.	REV.
i4	i4-228	A
SCALE: NONE	SHEET 1 OF 1	



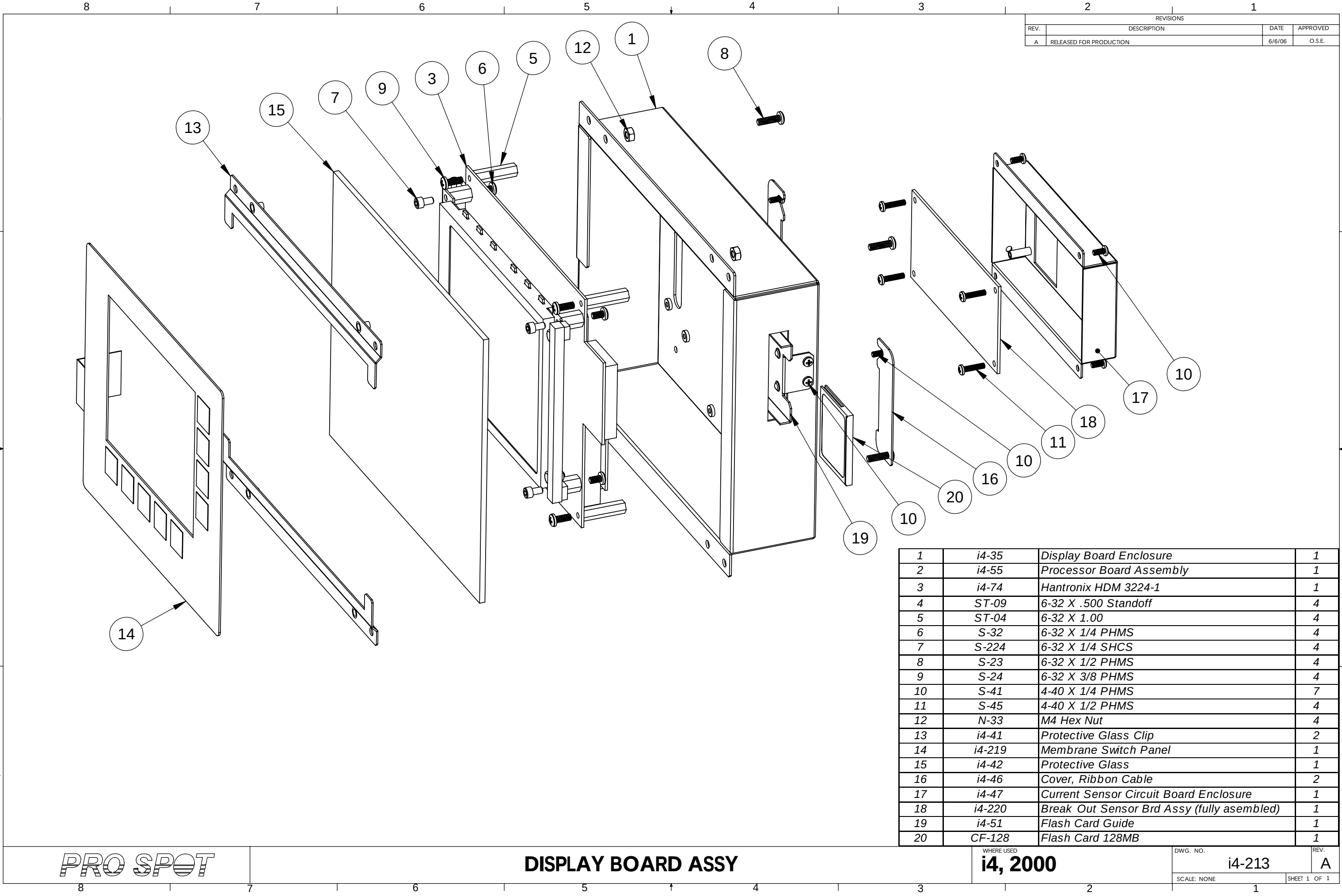
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	6/6/06	O.S.E.

1	I4-08	Chassis Front Panel, Upper	1
2	i4-214	Front Panel Decal	1
3	PR-2000-91	Switch, 2 pos.	1
4	P10-08	Pressure Guage	1
5	P10-07	Pressure Regulator	1
6	F-12	Fitting Elbow 90deg. 1/4" FTP	1
7	i4-213	Display Board Assy.	1
8	P10-07PA	Air regulator plastic nut	1
9	PR-2000-34	Neon Light, Red	3
10	PR-2000-60	Switch ON/OFF Legend Plate	1
11	PR-2000-64	Switch Base w/One Contact Block	1
12	PR-2000-63	Switch Contact Block, Normally Open	3
13	F-10	Fitting Elbow 90deg. 1/4" MPT	1
14	F-09	Fitting Elbow 90deg. 1/8" MPT	1
15	F-41	Fitting 6mm 1/4" MPT, Legris	1

PRO SPOT

FRONT PANEL ASSY, UPPER

WHERE USED i4	DWG. NO. i4-226	REV. A
SCALE: NONE		SHEET 1 OF 1



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	6/6/06	O.S.E.

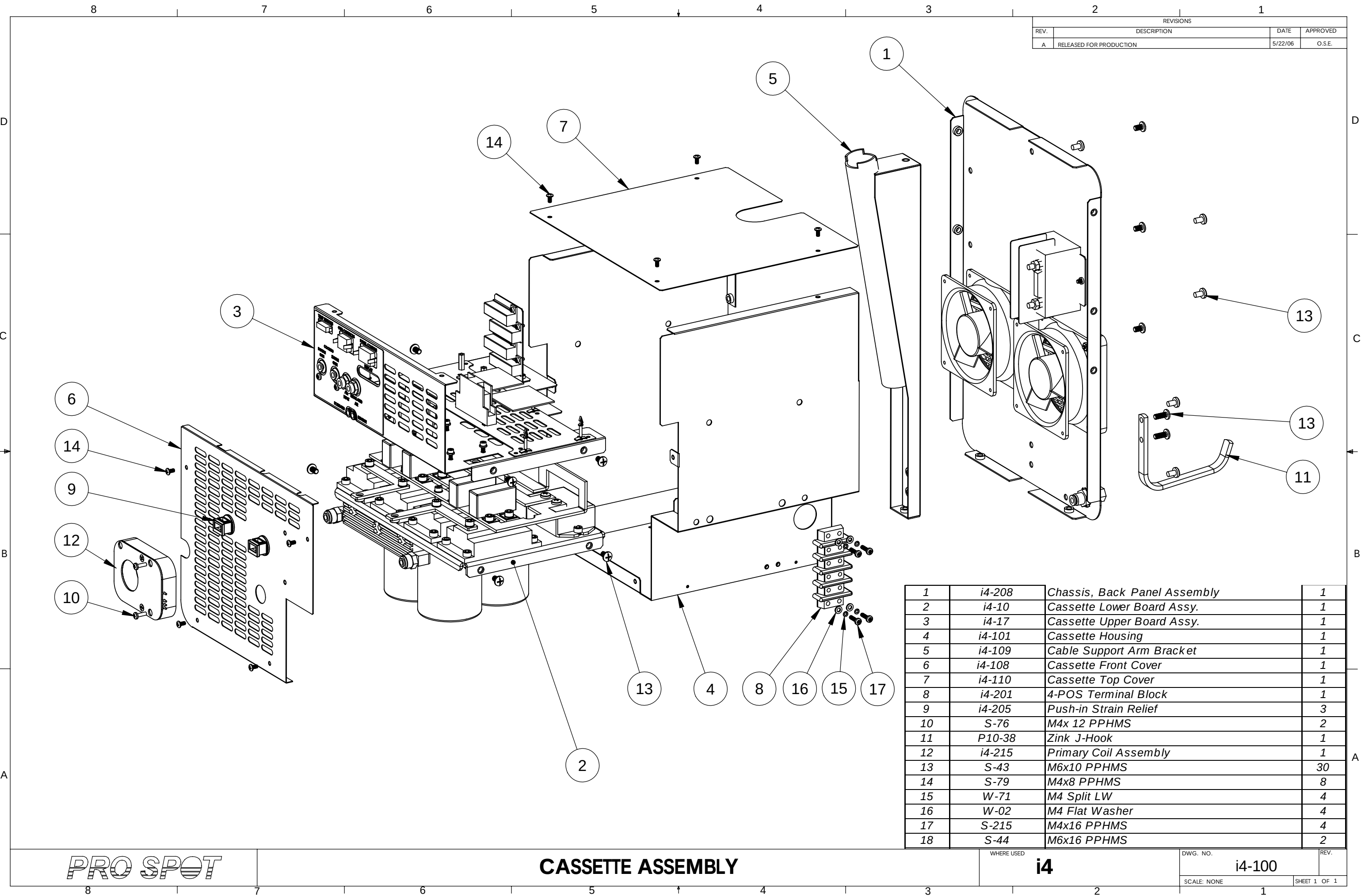
1	i4-35	Display Board Enclosure	1
2	i4-55	Processor Board Assembly	1
3	i4-74	Hantronix HDM 3224-1	1
4	ST-09	6-32 X .500 Standoff	4
5	ST-04	6-32 X 1.00	4
6	S-32	6-32 X 1/4 PHMS	4
7	S-224	6-32 X 1/4 SHCS	4
8	S-23	6-32 X 1/2 PHMS	4
9	S-24	6-32 X 3/8 PHMS	4
10	S-41	4-40 X 1/4 PHMS	7
11	S-45	4-40 X 1/2 PHMS	4
12	N-33	M4 Hex Nut	4
13	i4-41	Protective Glass Clip	2
14	i4-219	Membrane Switch Panel	1
15	i4-42	Protective Glass	1
16	i4-46	Cover, Ribbon Cable	2
17	i4-47	Current Sensor Circuit Board Enclosure	1
18	i4-220	Break Out Sensor Brd Assy (fully asembled)	1
19	i4-51	Flash Card Guide	1
20	CF-128	Flash Card 128MB	1

PRO SPOT

DISPLAY BOARD ASSY

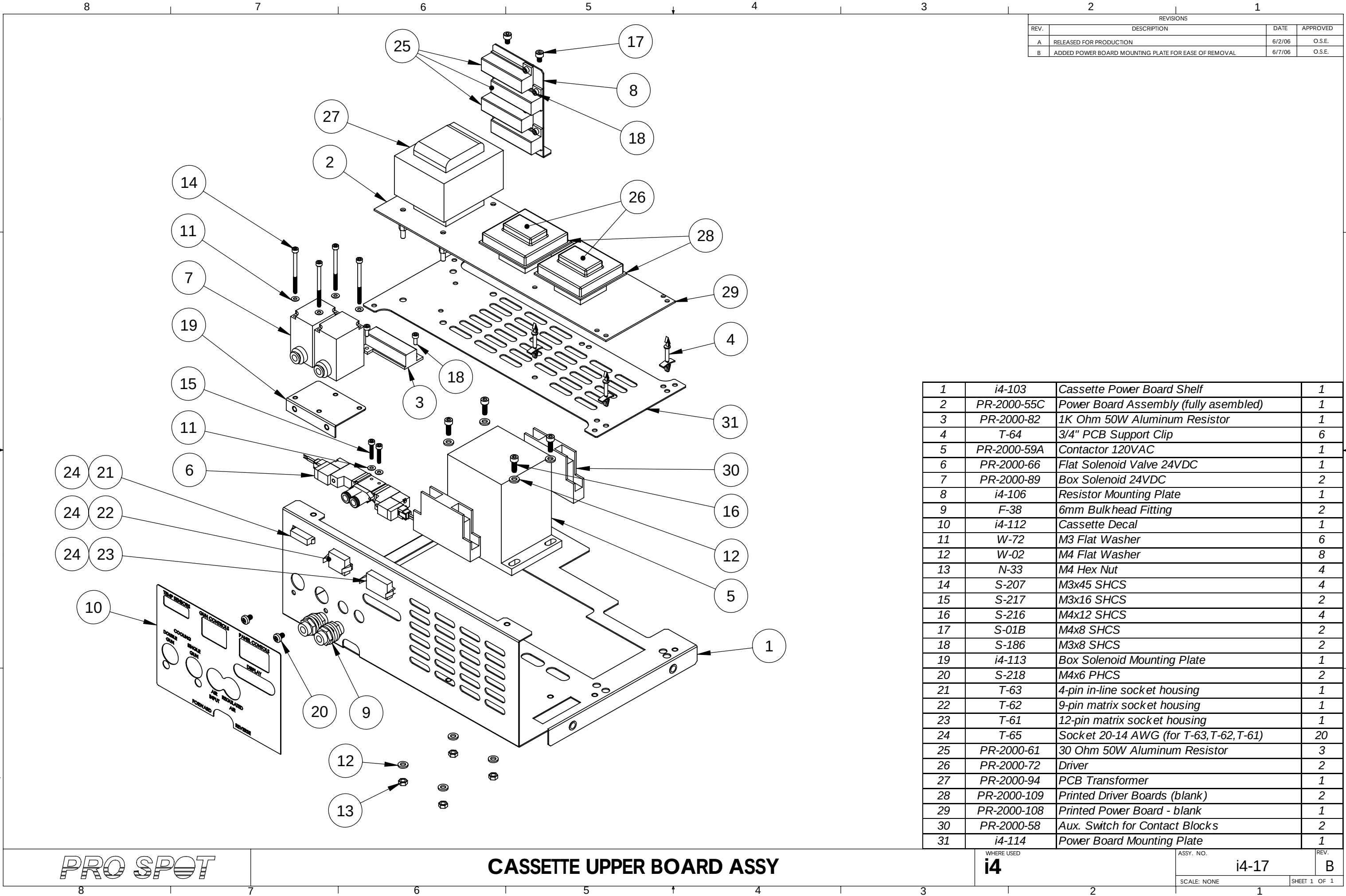
WHERE USED
i4, 2000

DWG. NO.	i4-213	REV.	A
SCALE: NONE	SHEET 1 OF 1		



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	5/22/06	O.S.E.

1	i4-208	Chassis, Back Panel Assembly	1
2	i4-10	Cassette Lower Board Assy.	1
3	i4-17	Cassette Upper Board Assy.	1
4	i4-101	Cassette Housing	1
5	i4-109	Cable Support Arm Bracket	1
6	i4-108	Cassette Front Cover	1
7	i4-110	Cassette Top Cover	1
8	i4-201	4-POS Terminal Block	1
9	i4-205	Push-in Strain Relief	3
10	S-76	M4x 12 PPHMS	2
11	P10-38	Zink J-Hook	1
12	i4-215	Primary Coil Assembly	1
13	S-43	M6x10 PPHMS	30
14	S-79	M4x8 PPHMS	8
15	W-71	M4 Split LW	4
16	W-02	M4 Flat Washer	4
17	S-215	M4x16 PPHMS	4
18	S-44	M6x16 PPHMS	2



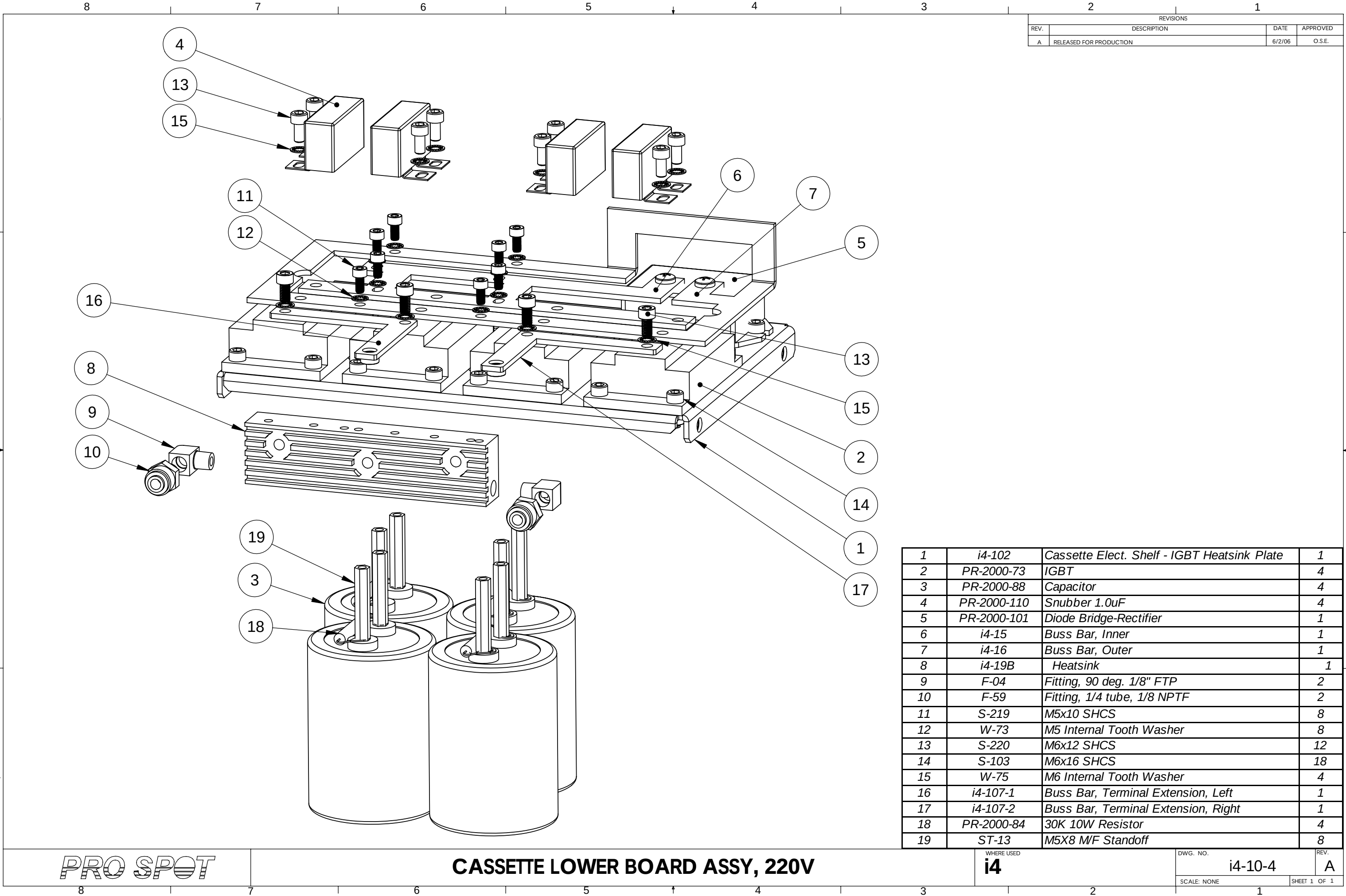
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	6/2/06	O.S.E.
B	ADDED POWER BOARD MOUNTING PLATE FOR EASE OF REMOVAL	6/7/06	O.S.E.

1	i4-103	Cassette Power Board Shelf	1
2	PR-2000-55C	Power Board Assembly (fully assembled)	1
3	PR-2000-82	1K Ohm 50W Aluminum Resistor	1
4	T-64	3/4" PCB Support Clip	6
5	PR-2000-59A	Contactor 120VAC	1
6	PR-2000-66	Flat Solenoid Valve 24VDC	1
7	PR-2000-89	Box Solenoid 24VDC	2
8	i4-106	Resistor Mounting Plate	1
9	F-38	6mm Bulkhead Fitting	2
10	i4-112	Cassette Decal	1
11	W-72	M3 Flat Washer	6
12	W-02	M4 Flat Washer	8
13	N-33	M4 Hex Nut	4
14	S-207	M3x45 SHCS	4
15	S-217	M3x16 SHCS	2
16	S-216	M4x12 SHCS	4
17	S-01B	M4x8 SHCS	2
18	S-186	M3x8 SHCS	2
19	i4-113	Box Solenoid Mounting Plate	1
20	S-218	M4x6 PHCS	2
21	T-63	4-pin in-line socket housing	1
22	T-62	9-pin matrix socket housing	1
23	T-61	12-pin matrix socket housing	1
24	T-65	Socket 20-14 AWG (for T-63,T-62,T-61)	20
25	PR-2000-61	30 Ohm 50W Aluminum Resistor	3
26	PR-2000-72	Driver	2
27	PR-2000-94	PCB Transformer	1
28	PR-2000-109	Printed Driver Boards (blank)	2
29	PR-2000-108	Printed Power Board - blank	1
30	PR-2000-58	Aux. Switch for Contact Blocks	2
31	i4-114	Power Board Mounting Plate	1

PRO SPOT

CASSETTE UPPER BOARD ASSY

WHERE USED i4	ASSY. NO. i4-17		REV. B
	SCALE: NONE		SHEET 1 OF 1



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	6/2/06	O.S.E.

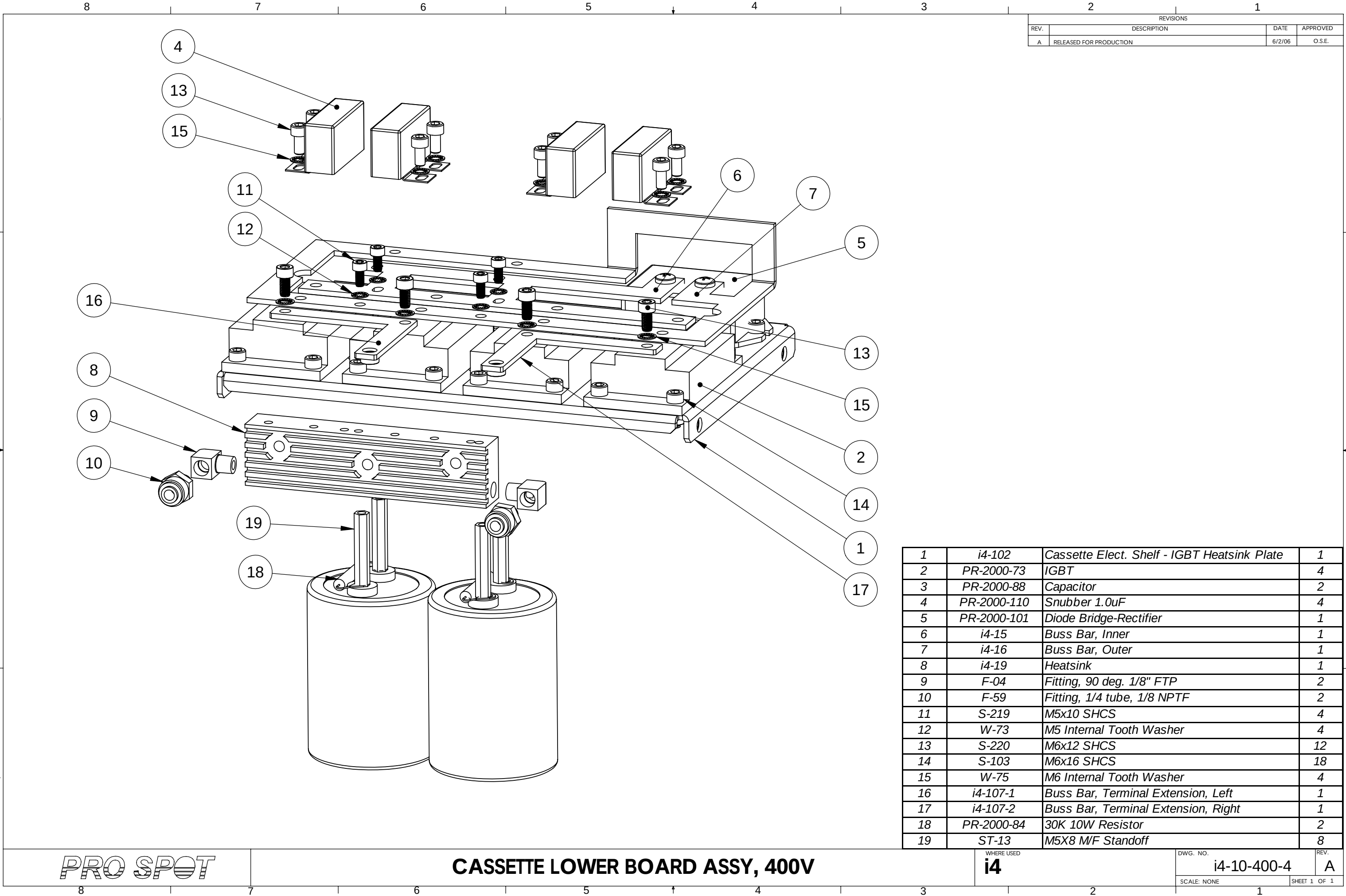
1	i4-102	Cassette Elect. Shelf - IGBT Heatsink Plate	1
2	PR-2000-73	IGBT	4
3	PR-2000-88	Capacitor	4
4	PR-2000-110	Snubber 1.0uF	4
5	PR-2000-101	Diode Bridge-Rectifier	1
6	i4-15	Buss Bar, Inner	1
7	i4-16	Buss Bar, Outer	1
8	i4-19B	Heatsink	1
9	F-04	Fitting, 90 deg. 1/8" FTP	2
10	F-59	Fitting, 1/4 tube, 1/8 NPTF	2
11	S-219	M5x10 SHCS	8
12	W-73	M5 Internal Tooth Washer	8
13	S-220	M6x12 SHCS	12
14	S-103	M6x16 SHCS	18
15	W-75	M6 Internal Tooth Washer	4
16	i4-107-1	Buss Bar, Terminal Extension, Left	1
17	i4-107-2	Buss Bar, Terminal Extension, Right	1
18	PR-2000-84	30K 10W Resistor	4
19	ST-13	M5X8 M/F Standoff	8

PRO SPOT

CASSETTE LOWER BOARD ASSY, 220V

WHERE USED
i4

DWG. NO.	i4-10-4	REV.	A
SCALE: NONE	SHEET 1 OF 1		



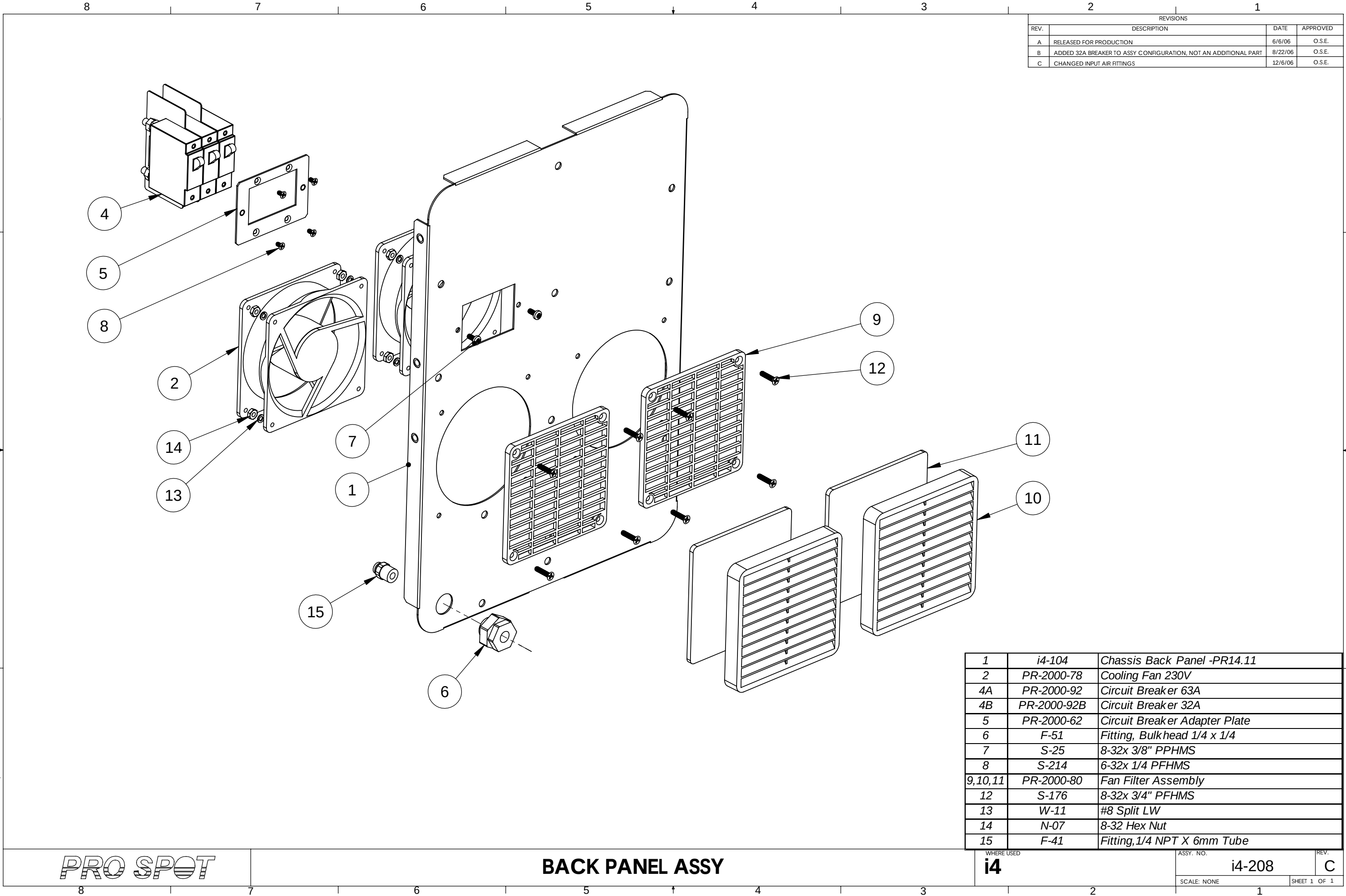
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	6/2/06	O.S.E.

1	i4-102	Cassette Elect. Shelf - IGBT Heatsink Plate	1
2	PR-2000-73	IGBT	4
3	PR-2000-88	Capacitor	2
4	PR-2000-110	Snubber 1.0uF	4
5	PR-2000-101	Diode Bridge-Rectifier	1
6	i4-15	Buss Bar, Inner	1
7	i4-16	Buss Bar, Outer	1
8	i4-19	Heatsink	1
9	F-04	Fitting, 90 deg. 1/8" FTP	2
10	F-59	Fitting, 1/4 tube, 1/8 NPTF	2
11	S-219	M5x10 SHCS	4
12	W-73	M5 Internal Tooth Washer	4
13	S-220	M6x12 SHCS	12
14	S-103	M6x16 SHCS	18
15	W-75	M6 Internal Tooth Washer	4
16	i4-107-1	Buss Bar, Terminal Extension, Left	1
17	i4-107-2	Buss Bar, Terminal Extension, Right	1
18	PR-2000-84	30K 10W Resistor	2
19	ST-13	M5X8 M/F Standoff	8



CASSETTE LOWER BOARD ASSY, 400V

i4	DWG. NO.	i4-10-400-4	REV.	A
	SCALE: NONE	SHEET 1 OF 1		



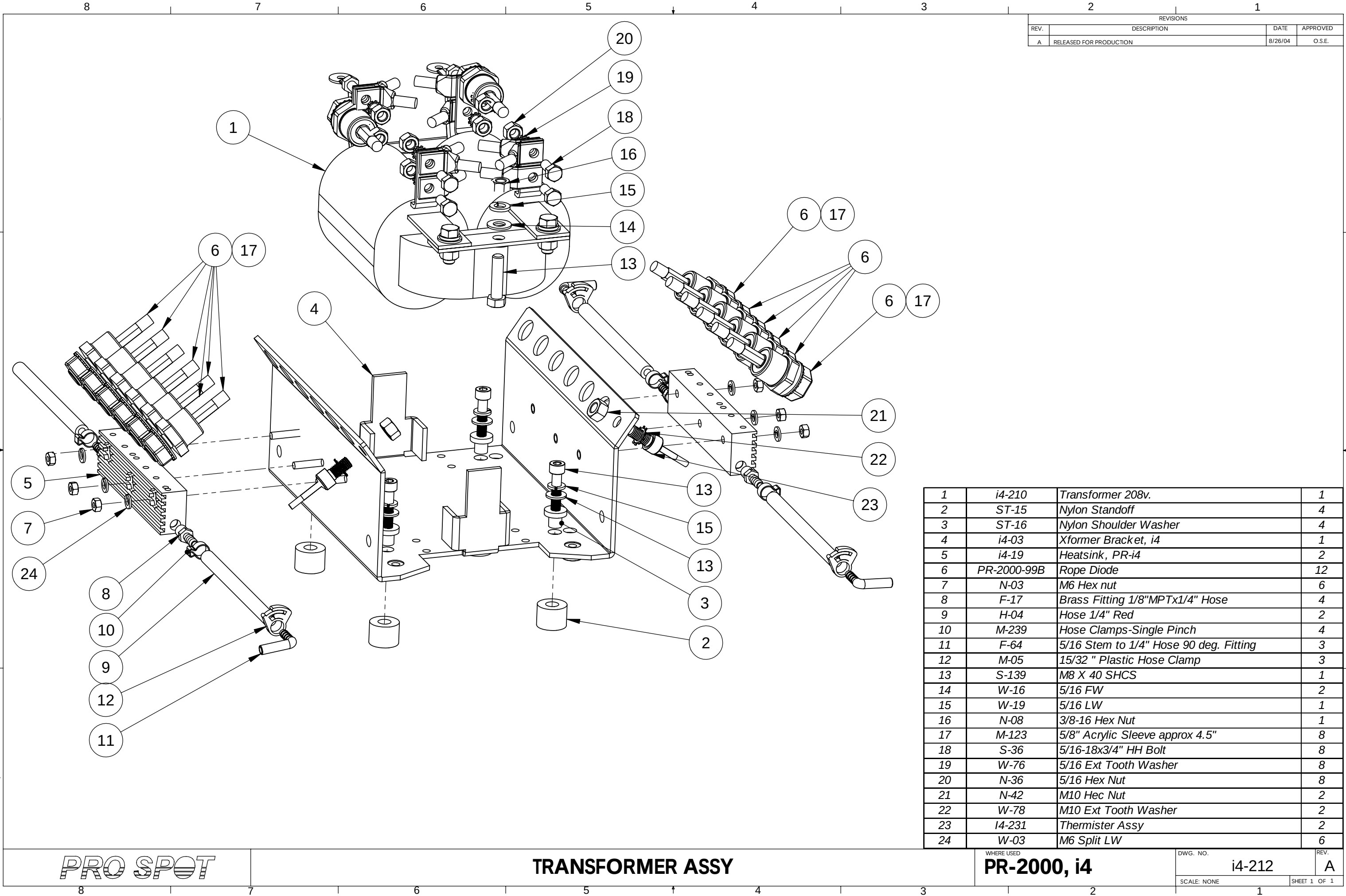
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	6/6/06	O.S.E.
B	ADDED 32A BREAKER TO ASSY CONFIGURATION, NOT AN ADDITIONAL PART	8/22/06	O.S.E.
C	CHANGED INPUT AIR FITTINGS	12/6/06	O.S.E.

1	i4-104	Chassis Back Panel -PR14.11
2	PR-2000-78	Cooling Fan 230V
4A	PR-2000-92	Circuit Breaker 63A
4B	PR-2000-92B	Circuit Breaker 32A
5	PR-2000-62	Circuit Breaker Adapter Plate
6	F-51	Fitting, Bulk head 1/4 x 1/4
7	S-25	8-32x 3/8" PPHMS
8	S-214	6-32x 1/4 PFHMS
9,10,11	PR-2000-80	Fan Filter Assembly
12	S-176	8-32x 3/4" PFHMS
13	W-11	#8 Split LW
14	N-07	8-32 Hex Nut
15	F-41	Fitting, 1/4 NPT X 6mm Tube

PRO SPOT

BACK PANEL ASSY

WHERE USED	ASSY. NO.	REV.
i4	i4-208	C
SCALE: NONE		SHEET 1 OF 1



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	8/26/04	O.S.E.

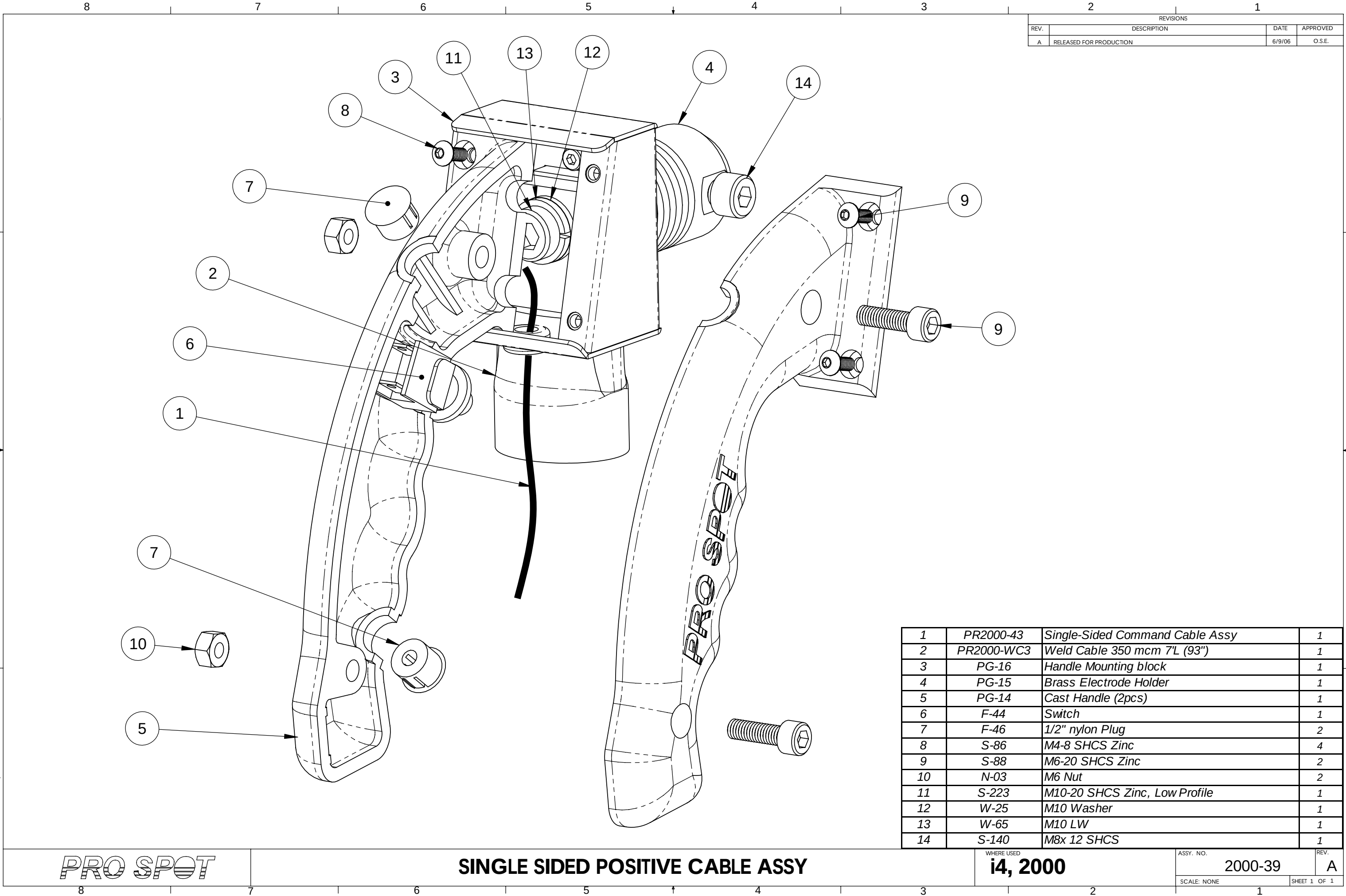
1	i4-210	Transformer 208v.	1
2	ST-15	Nylon Standoff	4
3	ST-16	Nylon Shoulder Washer	4
4	i4-03	Xformer Bracket, i4	1
5	i4-19	Heatsink, PR-i4	2
6	PR-2000-99B	Rope Diode	12
7	N-03	M6 Hex nut	6
8	F-17	Brass Fitting 1/8"MPTx1/4" Hose	4
9	H-04	Hose 1/4" Red	2
10	M-239	Hose Clamps-Single Pinch	4
11	F-64	5/16 Stem to 1/4" Hose 90 deg. Fitting	3
12	M-05	15/32 " Plastic Hose Clamp	3
13	S-139	M8 X 40 SHCS	1
14	W-16	5/16 FW	2
15	W-19	5/16 LW	1
16	N-08	3/8-16 Hex Nut	1
17	M-123	5/8" Acrylic Sleeve approx 4.5"	8
18	S-36	5/16-18x3/4" HH Bolt	8
19	W-76	5/16 Ext Tooth Washer	8
20	N-36	5/16 Hex Nut	8
21	N-42	M10 Hec Nut	2
22	W-78	M10 Ext Tooth Washer	2
23	I4-231	Thermister Assy	2
24	W-03	M6 Split LW	6

PRO SPOT

TRANSFORMER ASSY

WHERE USED
PR-2000, i4

DWG. NO.	i4-212	REV.	A
SCALE: NONE	SHEET 1 OF 1		



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	6/9/06	O.S.E.

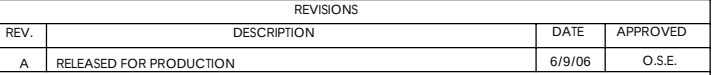
1	PR2000-43	Single-Sided Command Cable Assy	1
2	PR2000-WC3	Weld Cable 350 mcm 7'L (93")	1
3	PG-16	Handle Mounting block	1
4	PG-15	Brass Electrode Holder	1
5	PG-14	Cast Handle (2pcs)	1
6	F-44	Switch	1
7	F-46	1/2" nylon Plug	2
8	S-86	M4-8 SHCS Zinc	4
9	S-88	M6-20 SHCS Zinc	2
10	N-03	M6 Nut	2
11	S-223	M10-20 SHCS Zinc, Low Profile	1
12	W-25	M10 Washer	1
13	W-65	M10 LW	1
14	S-140	M8x 12 SHCS	1

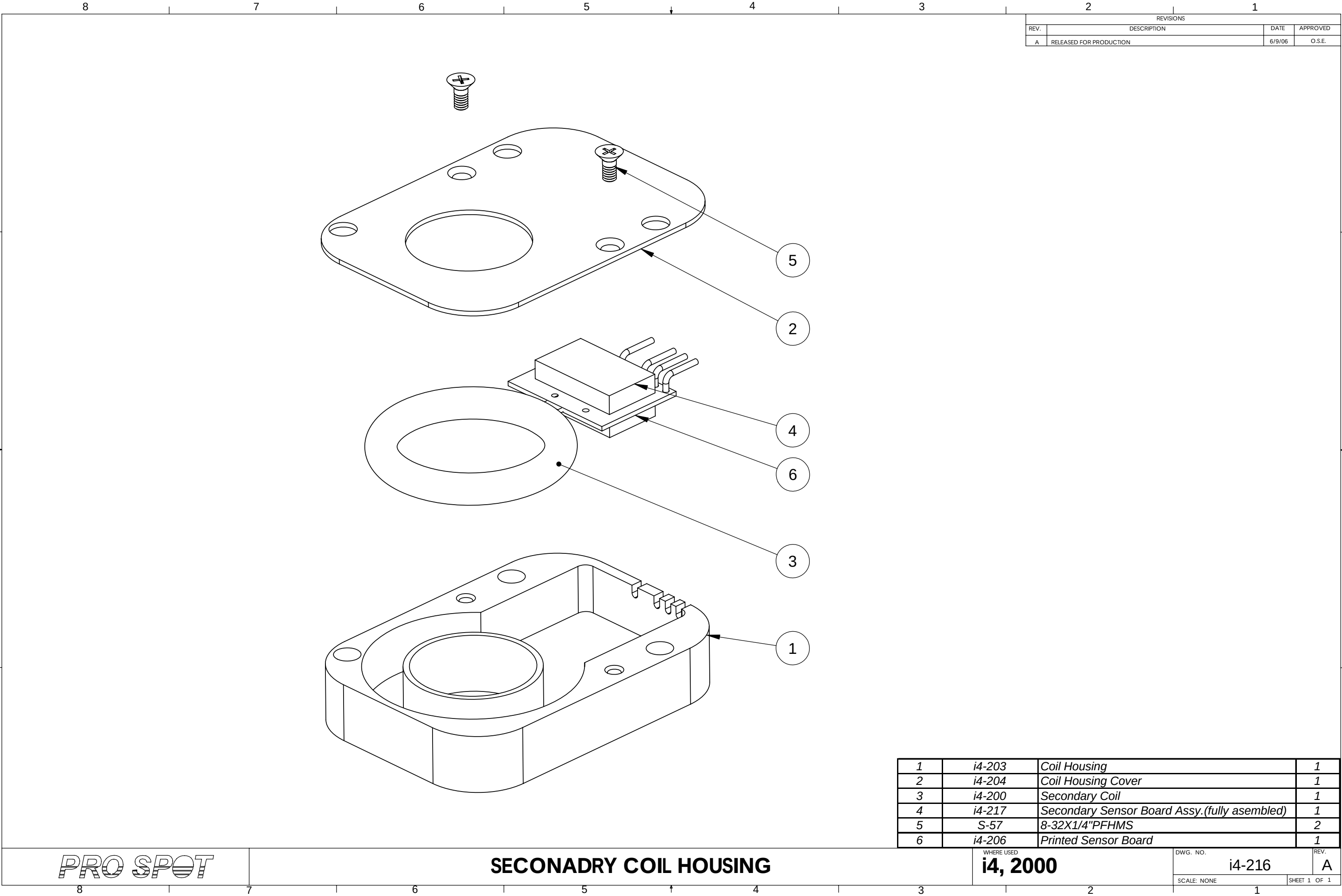
PRO SPOT

SINGLE SIDED POSITIVE CABLE ASSY

WHERE USED
i4, 2000

ASSY. NO.	2000-39	REV.	A
SCALE: NONE		SHEET 1 OF 1	





REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	6/9/06	O.S.E.

1	i4-203	Coil Housing	1
2	i4-204	Coil Housing Cover	1
3	i4-200	Secondary Coil	1
4	i4-217	Secondary Sensor Board Assy.(fully assembled)	1
5	S-57	8-32X1/4"PFHMS	2
6	i4-206	Printed Sensor Board	1

PRO SPOT

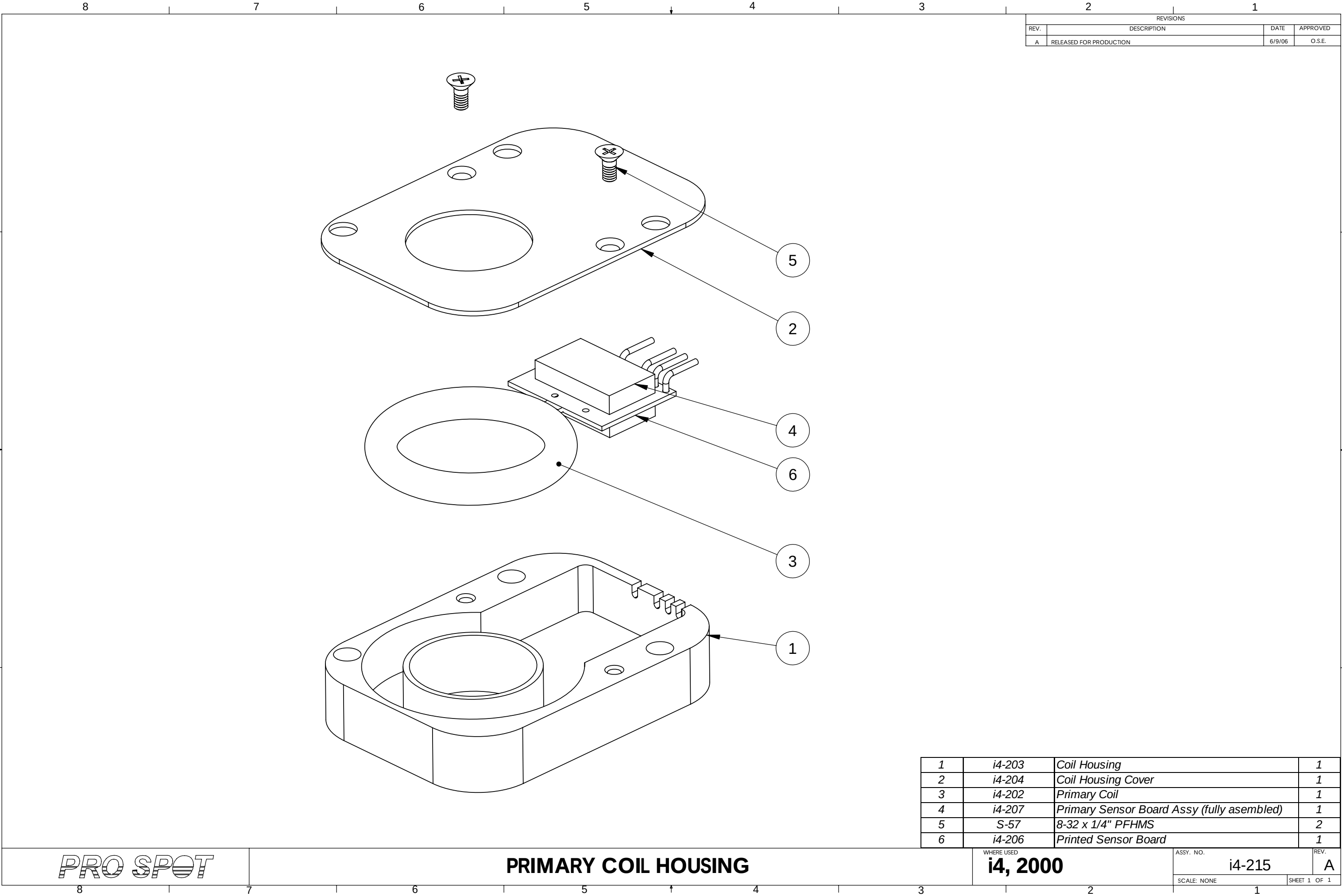
SECONADRY COIL HOUSING

WHERE USED
i4, 2000

DWG. NO.
i4-216

REV.
A

SCALE: NONE SHEET 1 OF 1



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR PRODUCTION	6/9/06	O.S.E.

1	i4-203	Coil Housing	1
2	i4-204	Coil Housing Cover	1
3	i4-202	Primary Coil	1
4	i4-207	Primary Sensor Board Assy (fully assembled)	1
5	S-57	8-32 x 1/4" PFHMS	2
6	i4-206	Printed Sensor Board	1

PRO SPOT

PRIMARY COIL HOUSING

WHERE USED
i4, 2000

ASSY. NO.	REV.
i4-215	A
SCALE: NONE	SHEET 1 OF 1