

ITEM NO.	QTY.	DS	PART NO.	TITLE
1	2	-	8025	UNION 3/8C X 1/4C
2	4	A	8053	TUBE - INSERT-1/8
3	1	A	8225	TEE - 1/4C X 1/4C X 1/8M
4	4	-	9001	PIN SPRING - 3/16 X 1/2
5	2	-	9026	SCREW - HSSS 5/16-18 X 1/4 ZP
6	24	-	9056	SCREW - CRFHMS #10-32 X 5/16 SS
7	12	-	9078	SCREW - SCSHCS 3/8-16 X 3/4 ZP
8	6	-	9108	SCREW - SHCS 1/4-20 X 1 ZP
9	16	-	9121	SCREW - SBHCS 5/16-18 X 1/2 ZP
10	6	-	9157	SCREW - HHCS 1/4-20 X 1 GR5 ZP
11	2	-	9165	SCREW - SHCS 5/16-18 X 1/2 ZP
12	72	-	9200	SCREW - HHCS 3/8-16 X 3/4 ZP
13	6	-	9242	NUT - HEJN 1/4-20 ZP
14	2	-	9254	SCREW - HHMS #10-24 X 1-1/4 ZP
15	1	-	9272	SCREW - CRPHTS-TF 6 X 1/2 SS
16	6	-	9285	SCREW - CRPHTS-TF 10-24 X 3/4 ZP
17	12	-	9291	SCREW - CRPHTS-TAB 8 X 1/2 ZP
18	8	-	9298	SCREW - SCSHCS 10-24 X 3/4 ZP
19	72	-	9355	WASHER - FW-ACFT-3/8 ZP
20	4	-	9389	WASHER - ITLW 5/16 ZP
21	12	-	9394	NUT - HAN 5/16-18
22	2	A	9997	COMPRESS NUT 3/8
23	1	A	105013	IN-LINE TEE 3/8
24	2	A	105421	RING TERMINAL - #10-14 GA
25	1	A	105443	DECAL - SERIAL NUMBER
26	80	A	115402	PLUG - HOLE-3/8 DIA
27	2	A	135050	BEARING - FLANGE-1" ID
28	1	A	295603	PLACARD - ENG-KEY
29	2	A	295604	PLAC - ENG-LOW DISP
30	12	A	305062	BUSHING - 026067029
31	8	A	305065	PULLEY - 2.500 DIA-MOLDED
32	4	A	305412	SLEEVE - ROPE
33	1	B	310800	L POWER MODULE
34	1	B	310801	R POWER MODULE
35	1	A	310807	R POWER MODULE-PWR
36	1	A	310832	BAR CATCH - L-FW
37	1	A	310833	BAR CATCH - R-FW
38	2	A	310841	SPOTTING BAR - STD-FW
39	2	B	310843	PULLEY CARRIAGE
40	2	B	310909	WELDT - TOP FRAME-FW 10
41	1	A	310913	WELDT - LH PULLEY RAIL-FW 10
42	1	A	310914	WELDT - RH PULLEY RAIL-FW 10
43	1	B	310915	WELDT - L BOT FRAME-FW 10
44	1	B	310916	WELDT - R BOT FRAME-FW 10
45	1	B	310921	WELDT - R POST-9
46	1	B	310922	WELDT - L POST-9
47	1	B	310923	WELDT - L FRONT POST-910
48	1	B	310924	WELDT - R FRONT POST-910
49	1	B	310927	WELDT - CROSS BRACE W DIS-FW
50	1	B	310941	WELDT - L WEIGHT STORAGE-FW
51	1	B	310942	WELDT - R WEIGHT STORAGE-FW
52	1	A	310943	BOT CROSS FRAME - FW
53	1	A	310944	WELDT - L PULLEY COVER-FW
54	1	A	310945	WELDT - R PULLEY COVER-FW
55	1	B	310960	WELDT - R POST-8
56	1	B	310961	WELDT - L POST-8
57	1	B	310962	WELDT - L FRONT POST-810
58	1	B	310963	WELDT - R FRONT POST-810
59	1	B	310965	WELDT - DISPLAY MT-UPPER-FW
60	2	B	310966	FRAME - FOOT ADJ
61	1	B	310968	WELDT - CROSS BRACE-FW
62	1	A	310977	PIVOT LINK - R
63	1	A	310978	PIVOT LINK - L
64	1	B	310979	BASE - DISPLAY-SWIVEL MT
65	1	B	310980	TOP - DISPLAY MT
66	2	A	311821	PLATE - LINK
67	2	A	312161	ROD - FOOT ADJ-SHORT PIVOT
68	1	A	312350	COLLAR - SWIVEL
69	1	B	315000	PLATE - FOOT ADJ-MINUS-FW
70	4	A	315001	HOUSING - PULLEY-BARBELL
71	2	A	315002	HOUSING - AIR ATTACH-BARBELL
72	2	A	315003	KNOB - ROPE-HOUSING
73	1	B	315004	PLATE - FOOT ADJ-PLUS-FW
74	12	A	315050	COLLAR - WT STORAGE-FW

ITEM NO.	QTY.	DS	PART NO.	TITLE
75	8	A	315053	SLEEVE - WT STORAGE-10LB
76	4	A	315055	SLEEVE - WT STORAGE-45LB
77	6	A	315069	HOLDER - PEDAL
78	1	A	315310	ORING - .875 ID X .125 CS-70 DURO
79	4	A	315402	PAD - FOOT-FW
80	4	A	315413	SPRING - EXT-FOOT PEDAL
81	2	A	315600	PLAC - ENG-RACK-POWER
82	4	A	315606	DECAL - WARNING-RACK-PEDAL
83	4	B	315611	DECAL-POSITION & LOCK-FW
84	1	A	315612	DECAL-WEIGHT STORAGE
85	6	A	545055	ANCHOR - CABLE PL
86	1	B	600881	DISPLAY BOX - 5 WIN
87	2	A	600882	DISPLAY BOX - 2 WIN
88	2	A	605056	DISPLAY BOX - BACK
89	2	A	605428	GROUND CLAMP - DISPLAY
90	1	A	950300	TUBE-3/8 OD CU
91	1	A	954108	WIRE-22 GAUGE-STRANDED-WHT
92	1	A	954212	ROPE - 5mm POLYESTER/NYLON
93	1	A	955300	STRIP - PROTECTOR-4 INCH
94	1	A	962016	CON - MOD-COUPLER-6-6
95	1	B	990828	DISPLAY BOX - TOP
96	2	A	995600	PLACARD - ENG-POWER
97	2	A	995602	DECAL - KEISER LOGO-2" RED
98	2	A	995603	DECAL - KEISER LOGO-3" RED

- # PARTS USED IN COMMON ASSEMBLY AND 8' RACKS
(MODELS: 3110PP, 3110PS, 3110XP, 3110XS)
- # PARTS USED FOR 9' RACKS
(MODELS: 3111PP, 3111PS, 3111XP, 3111XS)
- # PARTS USED FOR RACKS WITH POWER DISPLAY
(MODELS: 3110PP, 3110XP, 3111PP, 3111XP)

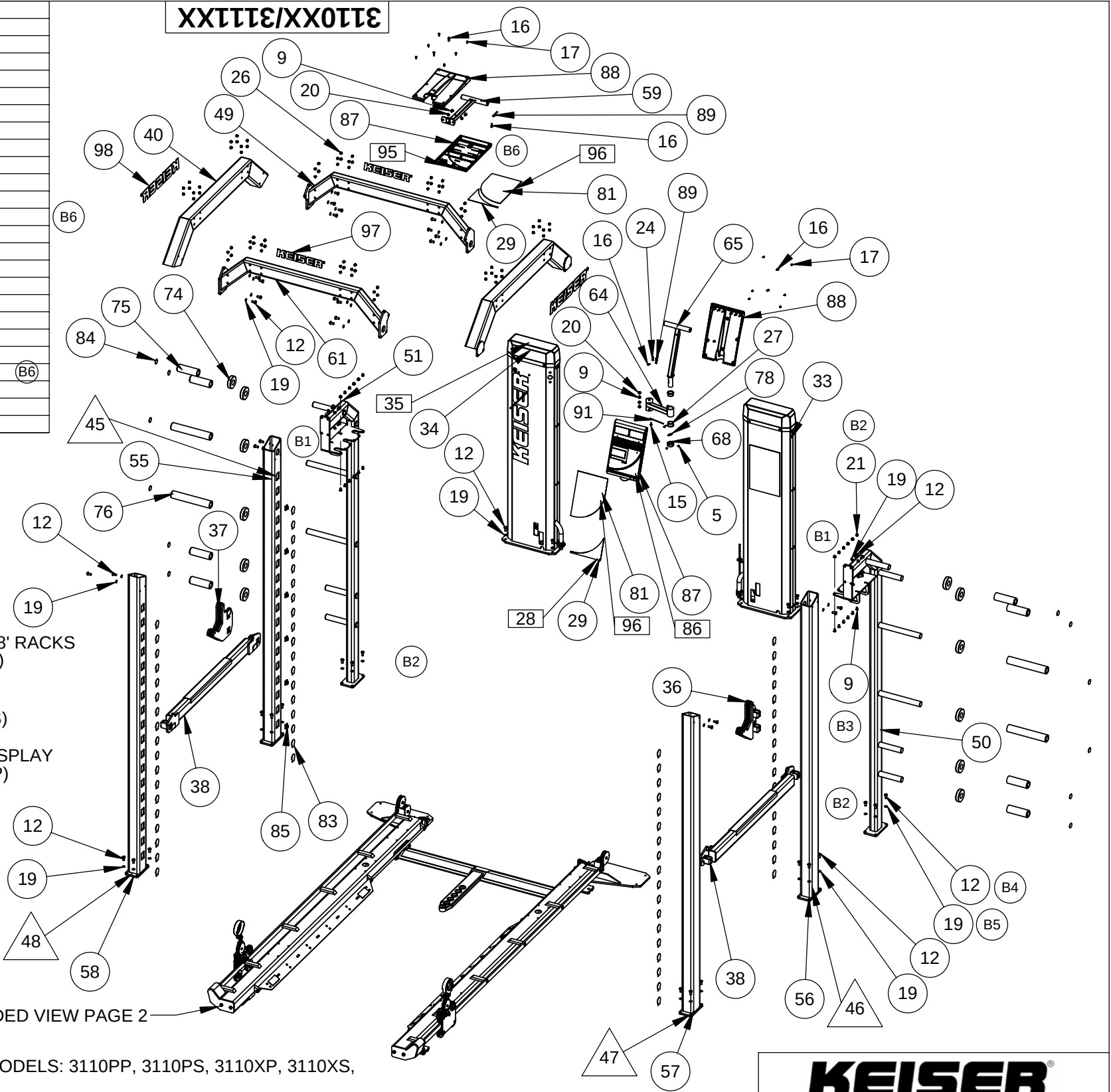
NOTE:

- (1) 3110XX/3111XX COVERS THE FOLLOWING MODELS: 3110PP, 3110PS, 3110XP, 3110XS, 3111PP, 3111PS, 3111XP, 3111XS
- (2) REFER TO MEMO IN WINMAGI FOR PAINT SPECS

B2

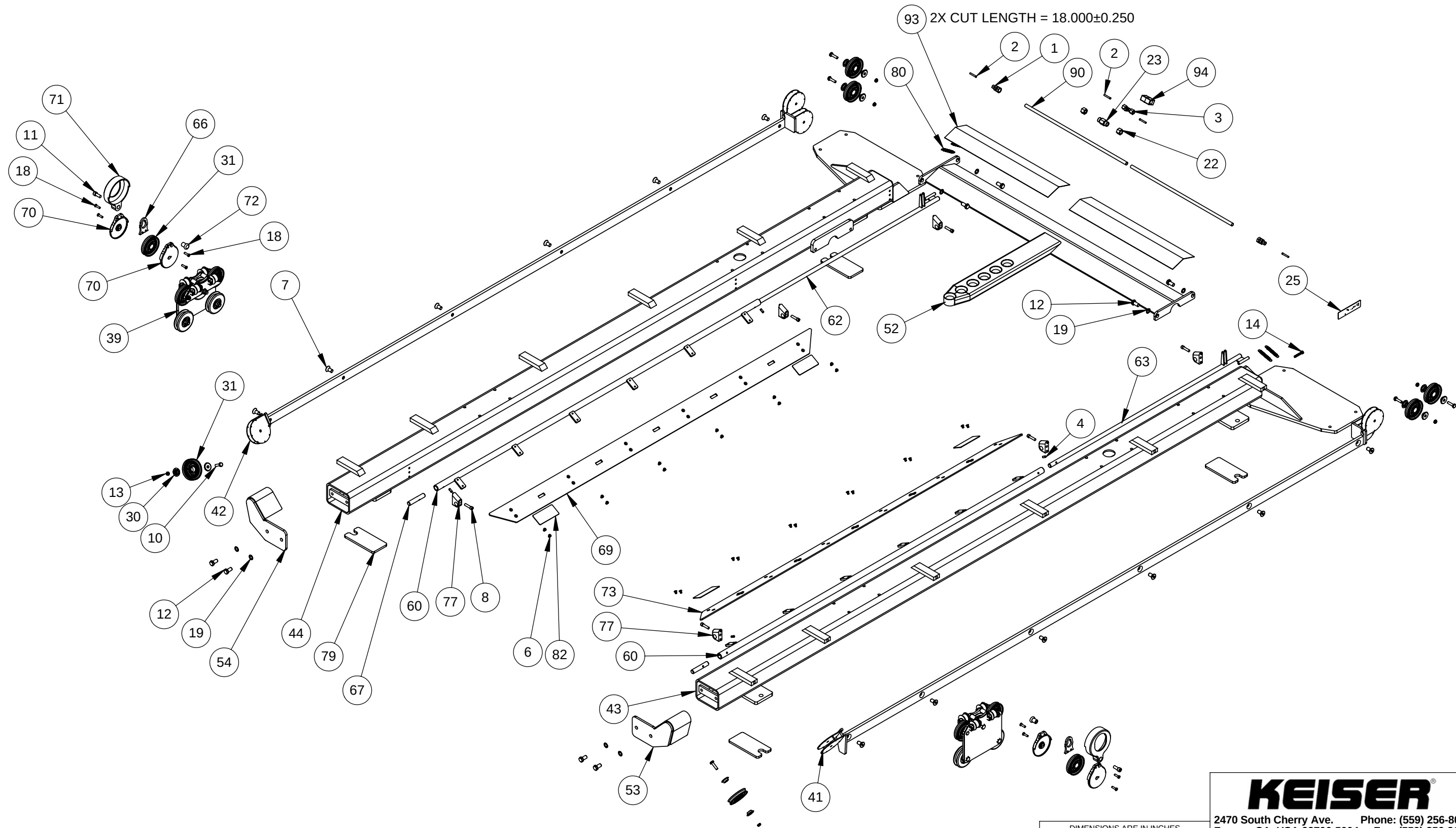
EXPLODED VIEW PAGE 2

—	—	—	—	—	—
—	—	—	—	—	—
B	2986	(6) REM 1 QTY 600881, ADD 990828	DEM	DLK	4/29/09
B	2986	(3) 9121 WAS QTY 4 (4) 9200 WAS QTY 64 (5) 9355 WAS QTY 80	DEM	DLK	4/29/09
B	2986	(1) PICTORIAL UPDATE (2) REM 9202, 9208, 9228, 310982, 311852 ADD 9394	DEM	DLK	4/29/09
REV	ECO	REVISION DESCRIPTION	BY	CKD	DATE



DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS BREAK SHARP EDGES .005-.015 [.10-.40] MACHINED SURFACE FINISH IS 63 MICROINCHES [1.6 MICROMETERS] DO NOT SCALE DRAWING			DRAWN BY: MAC DATE DRAWN: 07/05/07 MATERIAL: RAW MAT:		
CHECKED BY: DEM DATE CHECKED: 12/2/08			TITLE: 8' & 9' POWER RACK		
SHEET 1 OF 5			SCALE: 1:40		
DRAWING SIZE: B			PART#: 3110XX/3111XX		

3110XX/3111XX



KEISER

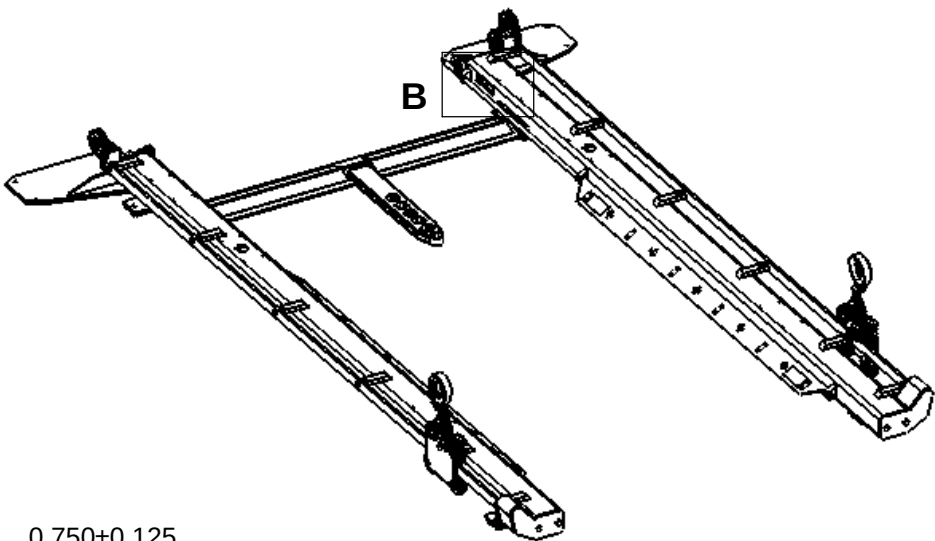
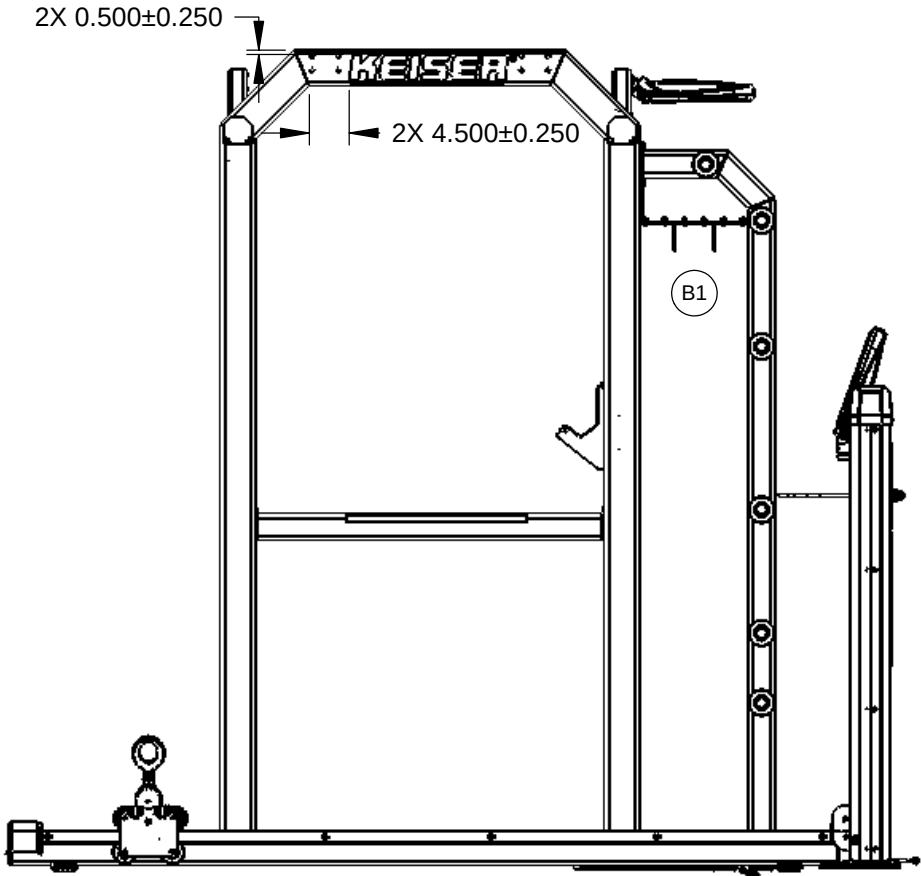
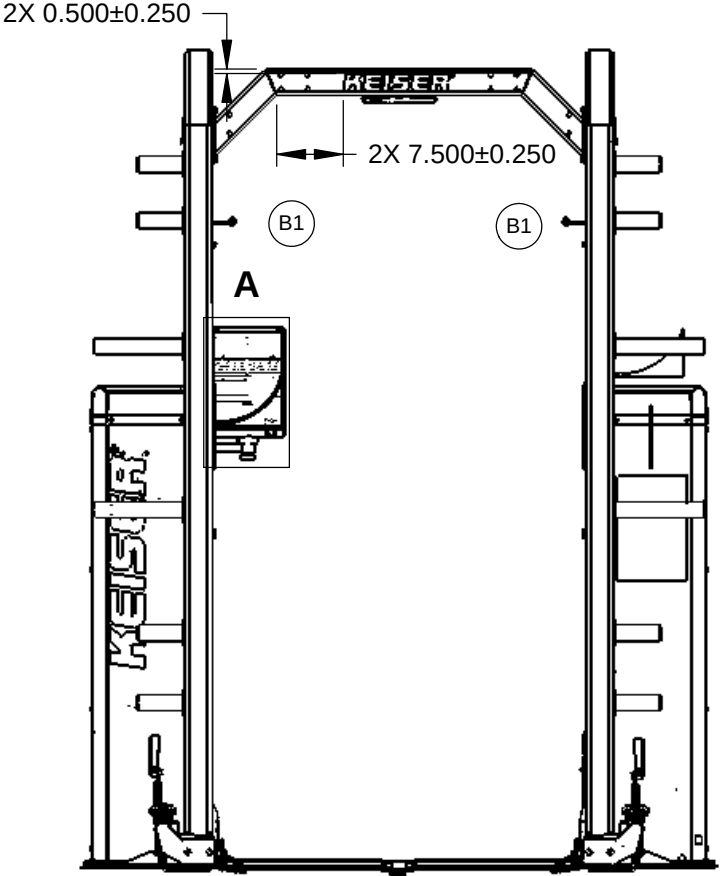
2470 South Cherry Ave. Phone: (559) 256-8000
Fresno, CA, USA 93706-5004 Fax: (559) 256-8100

THE INFORMATION DISCLOSED HEREIN WAS ORIGINATED BY
AND IS THE PROPERTY OF KEISER CORP. AND ALL PATENT,
PROPRIETARY, DESIGN, USE, SALE, MANUFACTURING, AND
REPRODUCTION RIGHTS THERETO ARE RESERVED BY KEISER
CORP.

—	—	—	—	—	—
—	—	—	—	—	—
B	2986	(6) REM 1 QTY 600881, ADD 990828	DEM	DLK	4/29/09
B	2986	(3) 9121 WAS QTY 4 (4) 9200 WAS QTY 64 (5) 9355 WAS QTY 80	DEM	DLK	4/29/09
B	2986	(1) PICTORIAL UPDATE (2) REM 9202, 9208, 9228, 310982, 311852 ADD 9394	DEM	DLK	4/29/09
REV	ECO	REVISION DESCRIPTION	BY	CKD	DATE

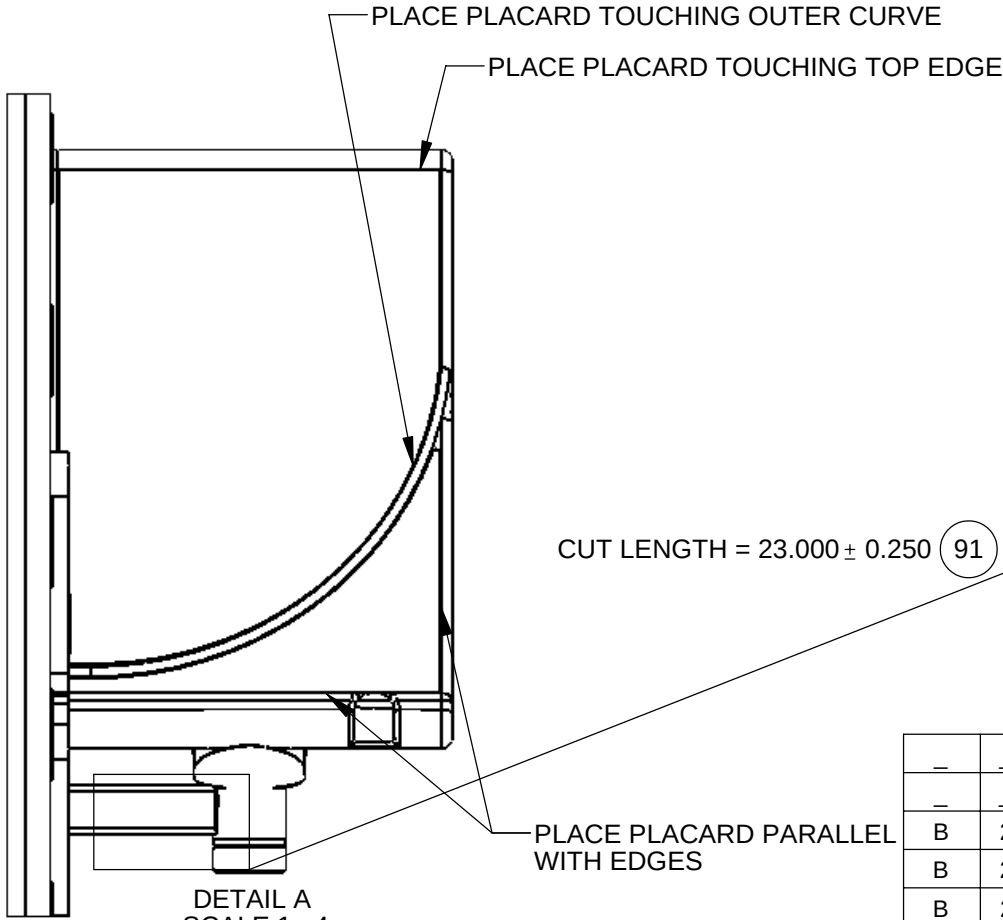
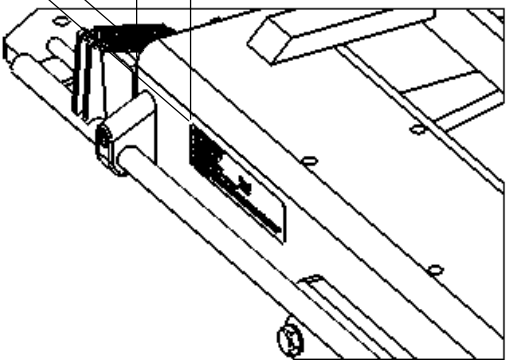
DIMENSIONS ARE IN INCHES
DIMENSIONS IN [] ARE MILLIMETERS
BREAK SHARP EDGES .005-.015 [.10-.40]
MACHINED SURFACE FINISH IS
63 MICROINCHES [1.6 MICROMETERS]
DO NOT SCALE DRAWING

DRAWN BY: MAC		DATE DRAWN: 07/05/07		CHECKED BY: DEM		DATE CHECKED: 12/2/08	
MATERIAL:							
RAW MAT:							
TITLE: 8' & 9' POWER RACK							
SHEET 2 OF 5		SCALE: 1:12		DRAWING SIZE: B		PART#: 3110XX/3111XX	

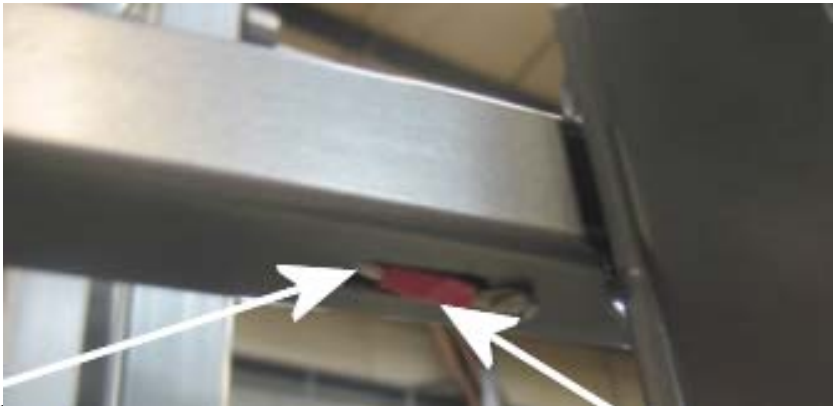


0.750±0.125
MEASURED FROM
TOP OF TUBE

2.250±0.250



ATTACH GROUND WIRE FROM INSIDE DISPLAY
TO SCREW ON LOWER SIDE OF TUBE AS SHOWN



—	—	—	—	—	—
—	—	—	—	—	—
B	2986	(6) REM 1 QTY 600881, ADD 990828	DEM	DLK	4/29/09
B	2986	(3) 9121 WAS QTY 4 (4) 9200 WAS QTY 64 (5) 9355 WAS QTY 80	DEM	DLK	4/29/09
B	2986	(1) PICTORIAL UPDATE (2) REM 9202, 9208, 9228, 310982, 311852 ADD 9394	DEM	DLK	4/29/09
REV	ECO	REVISION DESCRIPTION	BY	CKD	DATE

DIMENSIONS ARE IN INCHES
DIMENSIONS IN [] ARE MILLIMETERS
BREAK SHARP EDGES .005-.015 [.10-.40]
MACHINED SURFACE FINISH IS
63 MICROINCHES [1.6 MICROMETERS]
DO NOT SCALE DRAWING

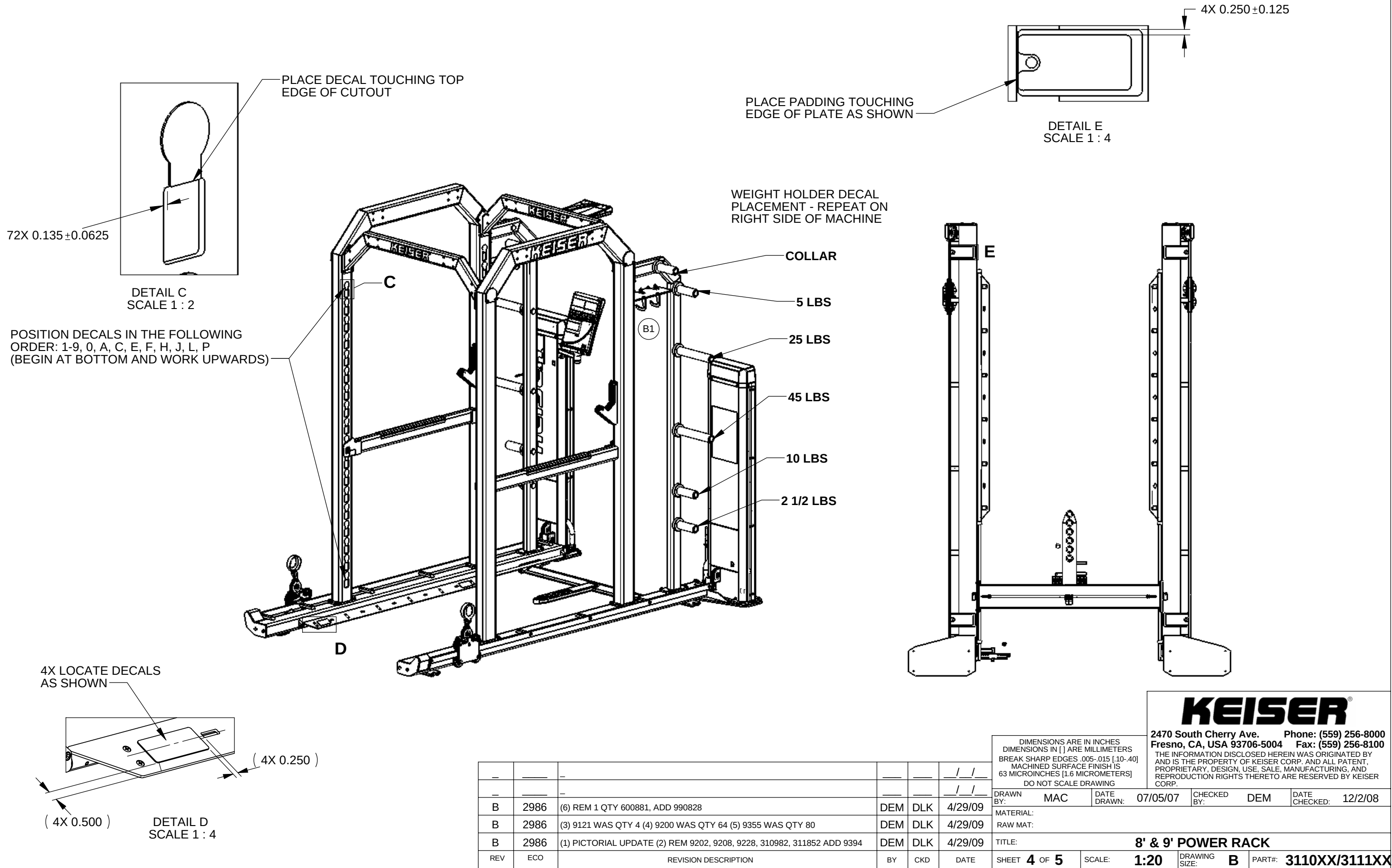
DRAWN BY: MAC
MATERIAL: RAW MAT:

DATE DRAWN: 07/05/07
CHECKED BY: DEM

DATE CHECKED: 12/2/08

TITLE: 8' & 9' POWER RACK
SHEET 3 OF 5
SCALE: 1:22
DRAWING SIZE: B
PART#: 3110XX/3111XX

KEISER
2470 South Cherry Ave. Phone: (559) 256-8000
Fresno, CA, USA 93706-5004 Fax: (559) 256-8100
THE INFORMATION DISCLOSED HEREIN WAS ORIGINATED BY
AND IS THE PROPERTY OF KEISER CORP. AND ALL PATENT,
PROPRIETARY, DESIGN, USE, SALE, MANUFACTURING, AND
REPRODUCTION RIGHTS THERETO ARE RESERVED BY KEISER
CORP.



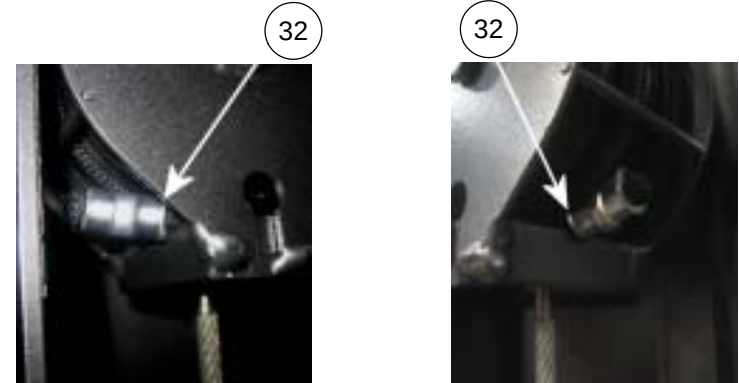
92 ROPE - 5mm POLYESTER/NYLON
SINGLE MODULE CUT LENGTH = 516.000 ± 6.000 (43.0 FT ± 0.5 FT)

ROPING INSTUCTIONS:

1. REFER TO DETAIL VIEWS F AND G AND ROUTE ROPE THROUGH PULLEYS. MATCH LETTERS, A TO A, B TO B, ETC... FOR CORRECT ROUTING FROM VIEW TO VIEW.
2. INSTALL FIRST CRIMP AS SPECIFIED IN DETAIL G. CUT OFF EXCESS ROPE, AND BURN THE END TO KEEP IT FROM FRAYING (SEE THE PICTURE FOR DETAIL).
3. PRESSURIZE CYLINDER TO 20 PSI.
4. INSTALL 2ND CRIMP SO THAT THERE IS A 3/4" GAP BETWEEN THE LOWER BRACKET AND THE PULLEY CABLE GUIDE WASHER (SEE SKETCH FAR RIGHT) THEN CRIMP, CUT, AND BURN THE FREE END. (SEE THE PICTURE FOR DETAIL)
5. REPEAT FOR ADJACENT MODULE.

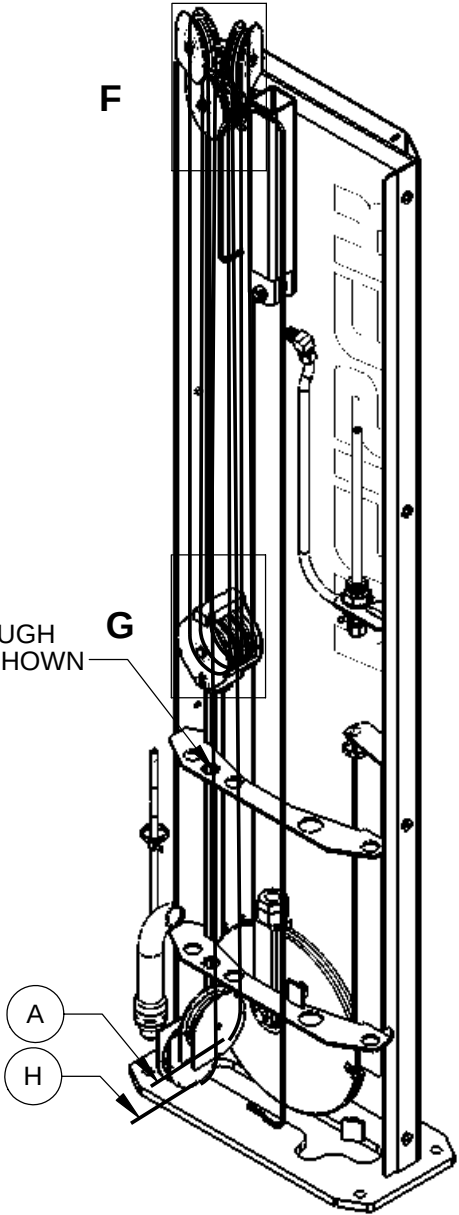
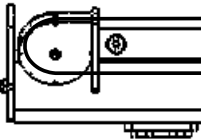
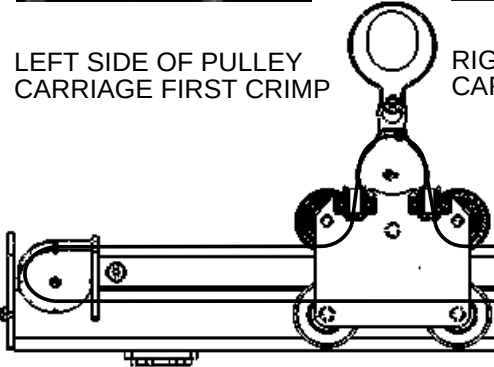
START ROPE THROUGH CENTER HOLE AS SHOWN

CUT AND BURN FREE END

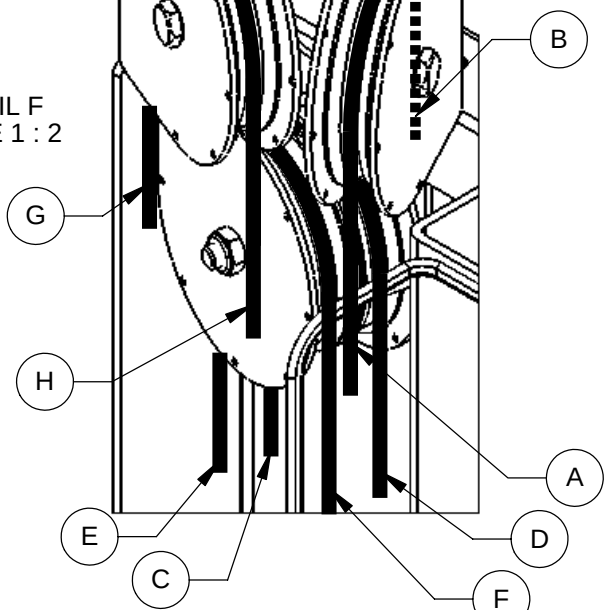


LEFT SIDE OF PULLEY CARRIAGE FIRST CRIMP

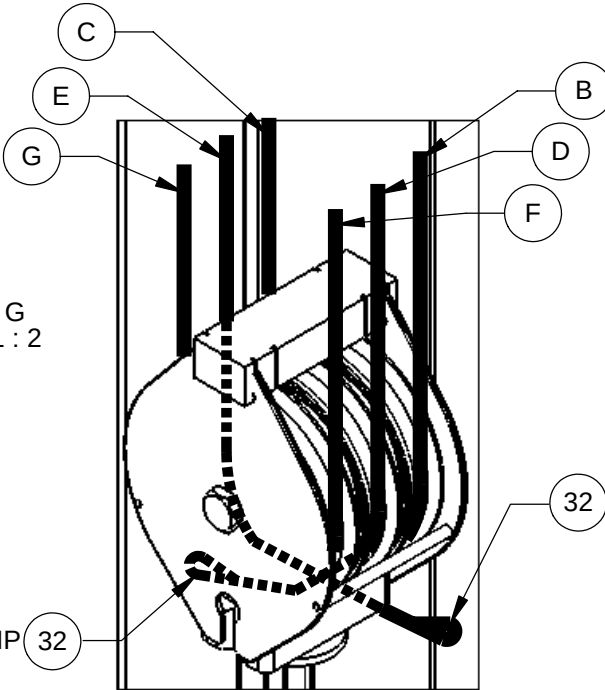
RIGHT SIDE OF PULLEY CARRIAGE SECOND CRIMP



DETAIL F
SCALE 1 : 2

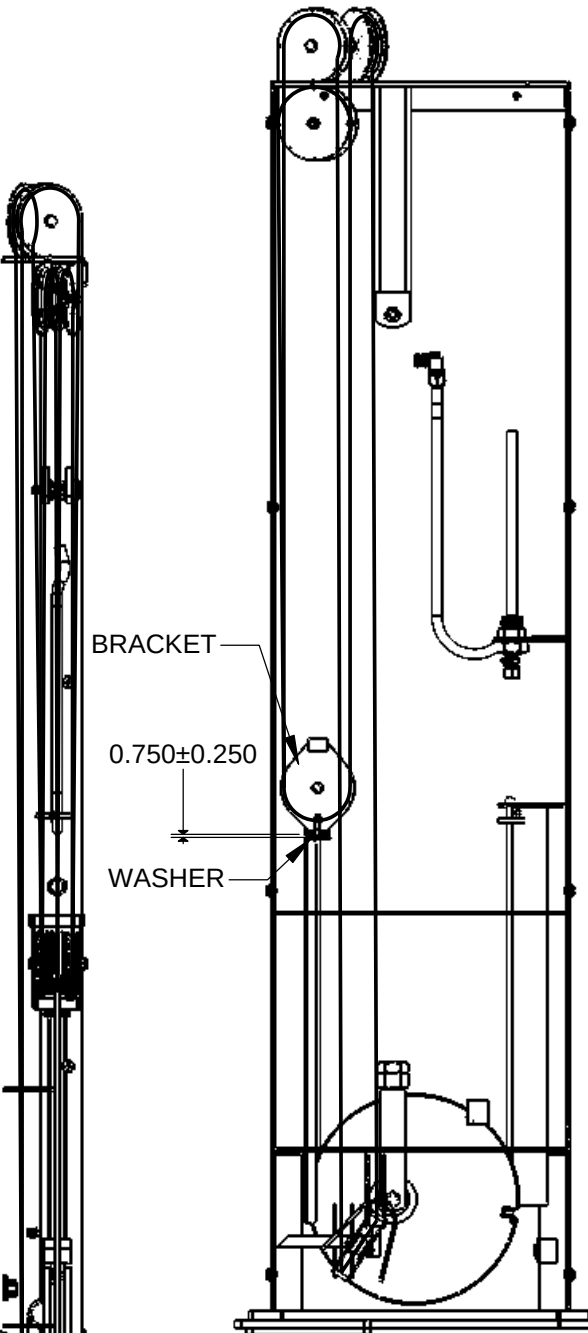
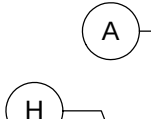


DETAIL G
SCALE 1 : 2



FIRST CRIMP 32

32 SECOND CRIMP



KEISER

2470 South Cherry Ave. Phone: (559) 256-8000
Fresno, CA, USA 93706-5004 Fax: (559) 256-8100

THE INFORMATION DISCLOSED HEREIN WAS ORIGINATED BY AND IS THE PROPERTY OF KEISER CORP. AND ALL PATENT, PROPRIETARY, DESIGN, USE, SALE, MANUFACTURING, AND REPRODUCTION RIGHTS THERETO ARE RESERVED BY KEISER CORP.

—	—	—	—	—	—
—	—	—	—	—	—
B	2986	(6) REM 1 QTY 600881, ADD 990828	DEM	DLK	4/29/09
B	2986	(3) 9121 WAS QTY 4 (4) 9200 WAS QTY 64 (5) 9355 WAS QTY 80	DEM	DLK	4/29/09
B	2986	(1) PICTORIAL UPDATE (2) REM 9202, 9208, 9228, 310982, 311852 ADD 9394	DEM	DLK	4/29/09
REV	ECO	REVISION DESCRIPTION	BY	CKD	DATE

DIMENSIONS ARE IN INCHES
DIMENSIONS IN [] ARE MILLIMETERS
BREAK SHARP EDGES .005-.015 [.10-.40]
MACHINED SURFACE FINISH IS
63 MICROINCHES [1.6 MICROMETERS]
DO NOT SCALE DRAWING

DRAWN BY: MAC
MATERIAL:
RAW MAT:

DATE DRAWN: 07/05/07

CHECKED BY: DEM

DATE CHECKED: 12/2/08

TITLE: 8' & 9' POWER RACK
SHEET 5 OF 5
SCALE: 1:8
DRAWING SIZE: B
PART#: 3110XX/3111XX