motionlaboratories

Power Distribution and Hoist Control Solutions

Custom Designed With Your System In Mind

Be Confident
Be In Control
Be Certain

motionlaboratories
power distribution and motor control systems

About Motion Laboratories & This Catalog

Motion Laboratories Inc. is a New York based OEM firm dedicated to creating high quality electrical distribution equipment for the entertainment market.

With over twenty years experience serving most of the major lighting, video and sound companies, we are an industry leader in power distribution and chain hoist motor control.

Recognized in 2005 by Square D as a Platinum Level Top Builder, our equipment has been used reliably for a wide range of venues. From live performance to high profile sporting events, Motion Laboratories has been there.

We also offer the convenience of being an ETL Listed manufacturing facility meeting UL standards 1640 and 508A as well as Canadian Standard C22.2 No.14.

An array of typical solutions is covered in this catalog, but keep in mind that we also specialize in custom systems. If you do not see a product that suits your needs please feel welcome to call and have our knowledgeable sales department design a unit tailored for your individual requirements.

We look forward to hearing from you.

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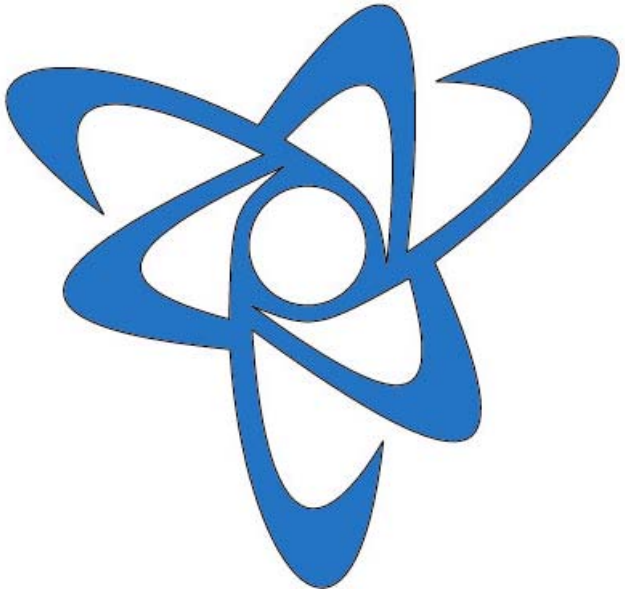
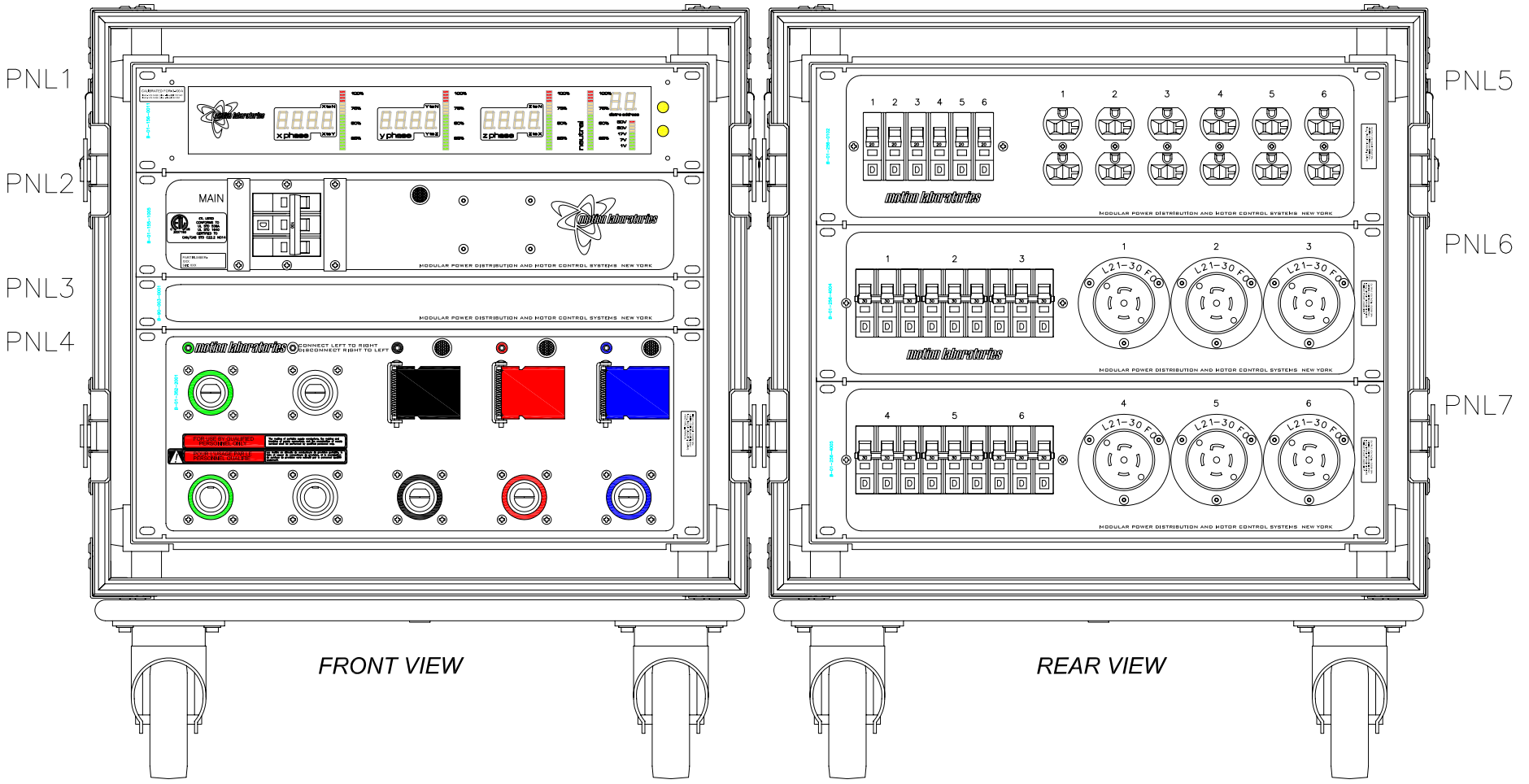
power distribution and motor control systems

POWER DISTRIBUTION

Typical Audio & Video Distros
100A





REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0011	100A DVA
PNL2	B-01-155-1005	100A MAIN
PNL3	B-90-003-0001	1 Space Flanged Blank
PNL4	B-01-352-2001	CAM10 RGN 1T
PNL5	B-01-258-0102	DP66 1-6
PNL6	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL7	B-01-256-4005	TL93 L21-30FO 3PT 4-6

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520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

TITLE

Portable Power Distribution System installed in a 9RU-2Sided NEMA 1 Steel Liner As shown with 9-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-13-07	A	1300-100A-09-2-01	-
CHECKED BY	DATE CHECKED			
JC	2/14/07			

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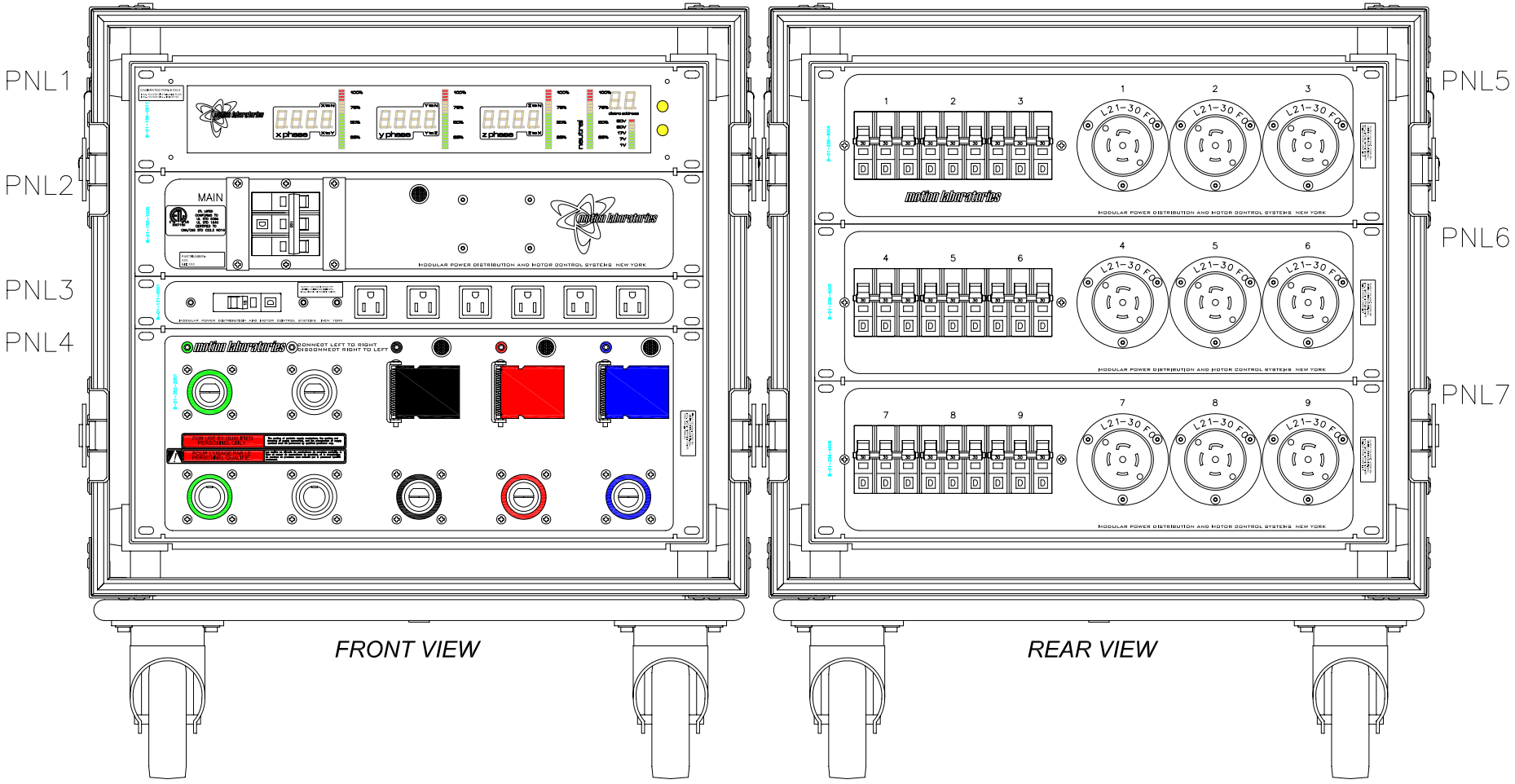

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PNL3	B-01-131-0001	DP16
PNL4	B-01-352-2001	CAM10 RGN 1T
PNL5	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL6	B-01-256-4005	TL93 L21-30FO 3PT 4-6
PNL7	B-01-256-4006	TL93 L21-30FO 3PT 7-9

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TITLE

Portable Power Distribution System installed in a 9RU-2Sided NEMA 1 Steel Liner As shown with 9-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-13-07	A	1300-100A-09-2-02	-
CHECKED BY	DATE CHECKED			
JC	2/14/07			

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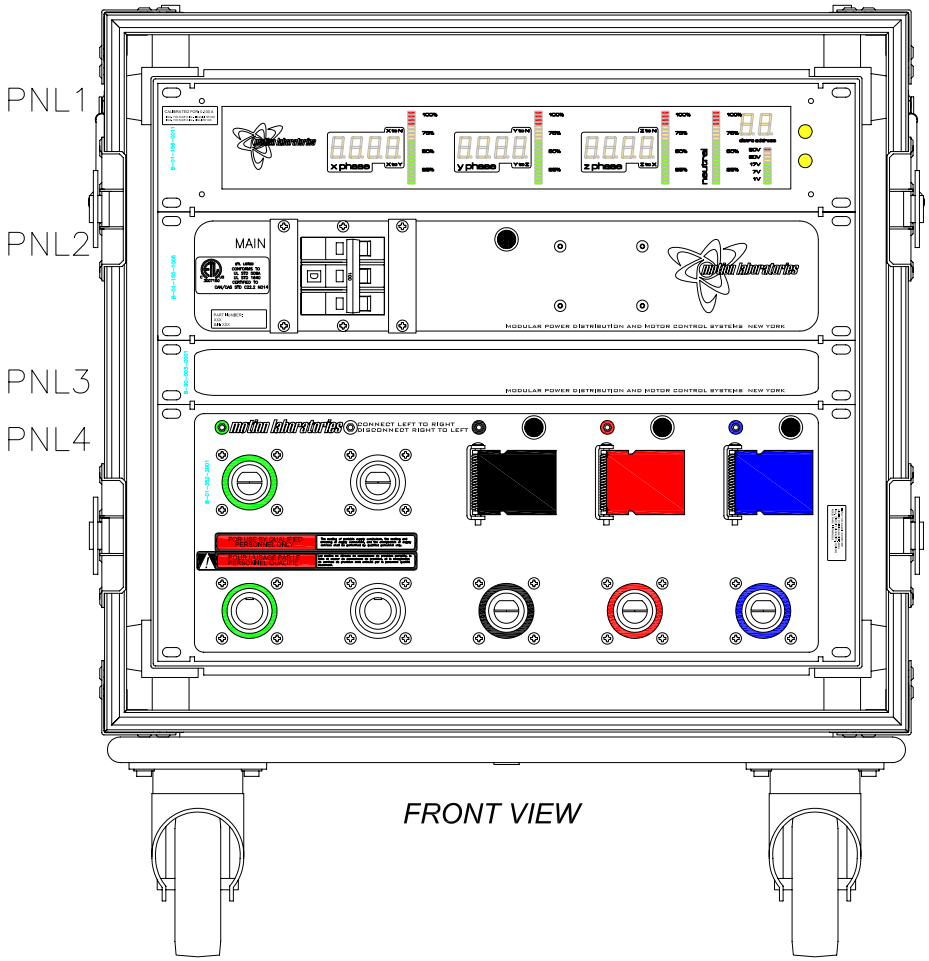
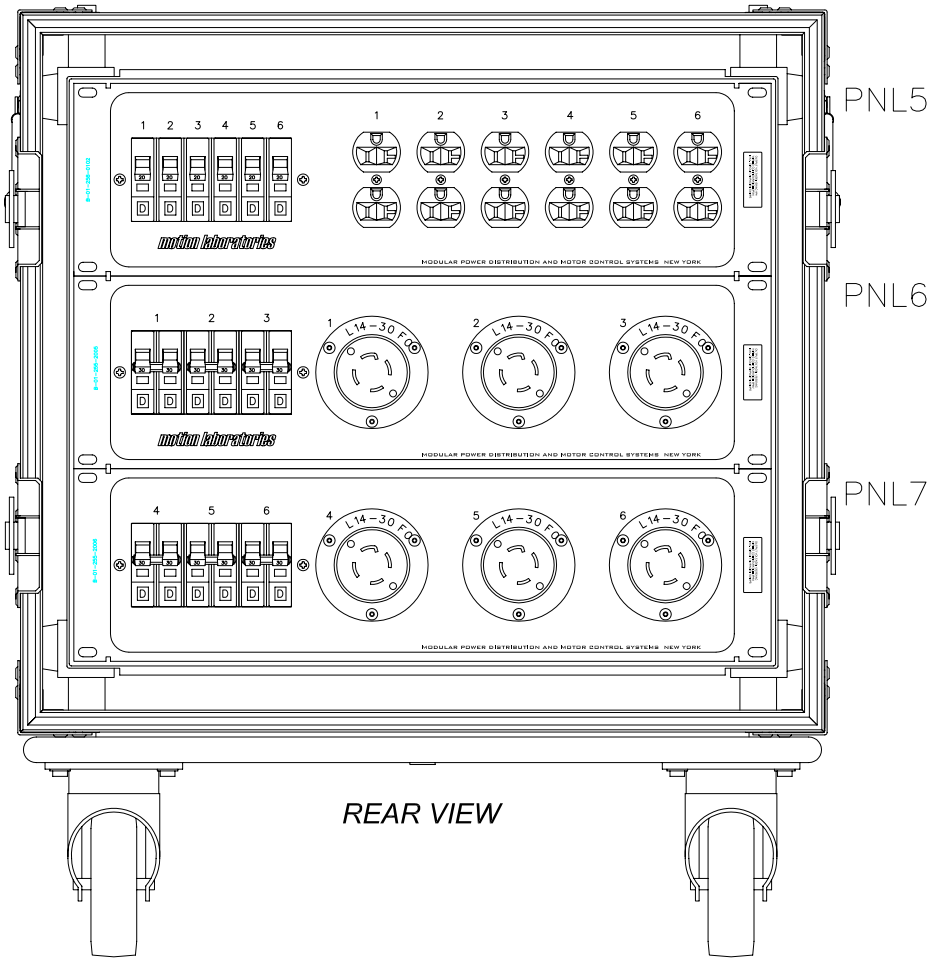


FRONT VIEW



REAR VIEW

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0011	100 A DVA
PNL2	B-01-155-1005	100A Main
PNL3	B-90-003-0001	1 Space Flanged Blank
PNL4	B-01-352-2001	CAM10 RGN 1T
PNL5	B-01-258-0102	DP66 1-6
PNL6	B-01-255-2005	TL63 L14-30FO 2PT 1-3
PNL7	B-01-255-2006	TL63 L14-30FO 2PT 4-6

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TITLE
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DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-13-07	A	1300-100A-09-2-03	-
CHECKED BY	DATE CHECKED			
JC	2/14/07			

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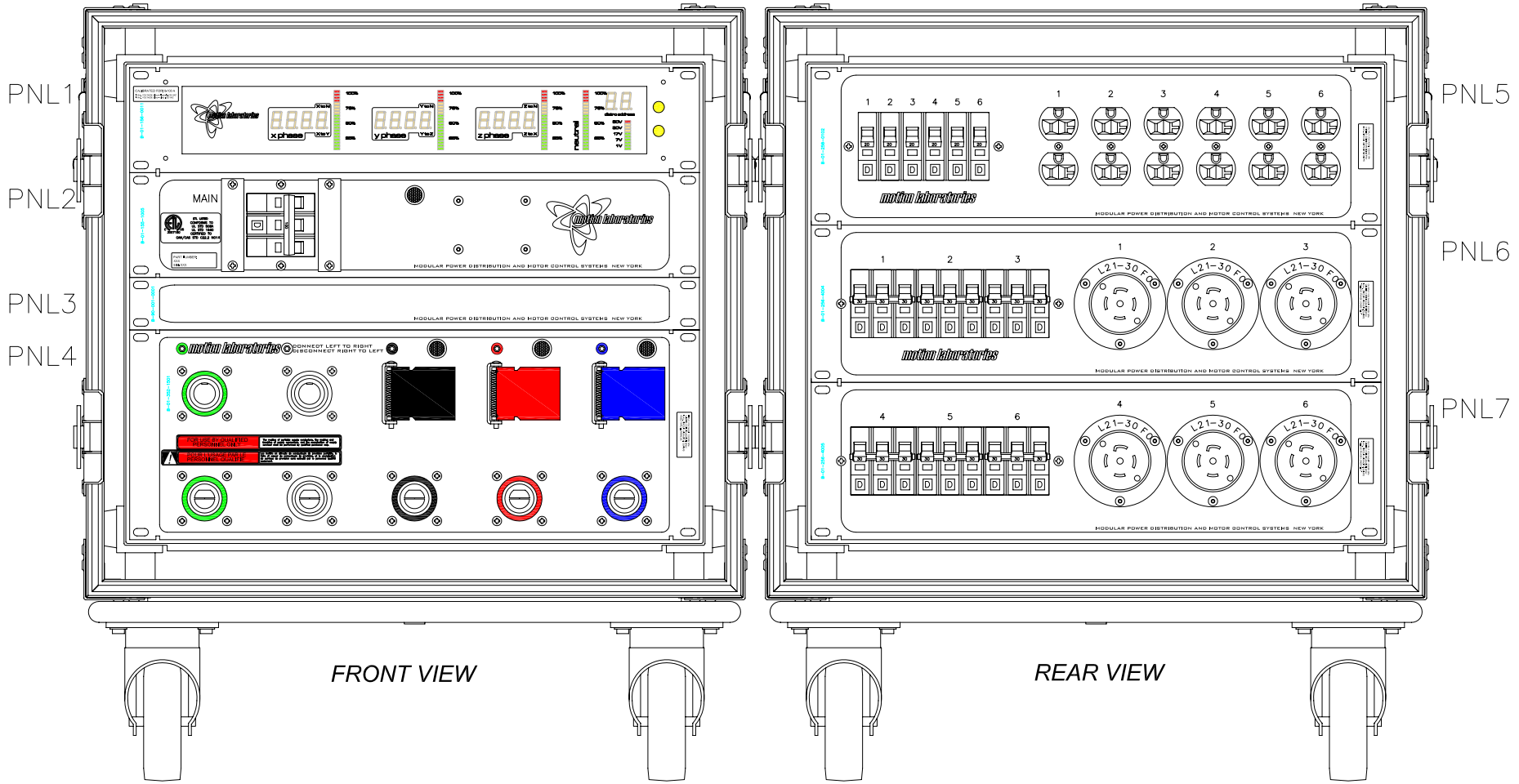

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0011	100A DVA
PNL2	B-01-155-1005	100A Main
PNL3	B-90-003-0001	1 Space Flanged Blank
PNL4	B-01-352-1501	CAM10 MXF 1T
PNL5	B-01-258-0102	DP66 1-6
PNL6	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL7	B-01-256-4005	TL93 L21-30FO 3PT 4-6

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TITLE
Portable Power Distribution System installed in a 9RU-2Sided NEMA 1 Steel Liner As shown with 9-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
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JC	2/14/07			

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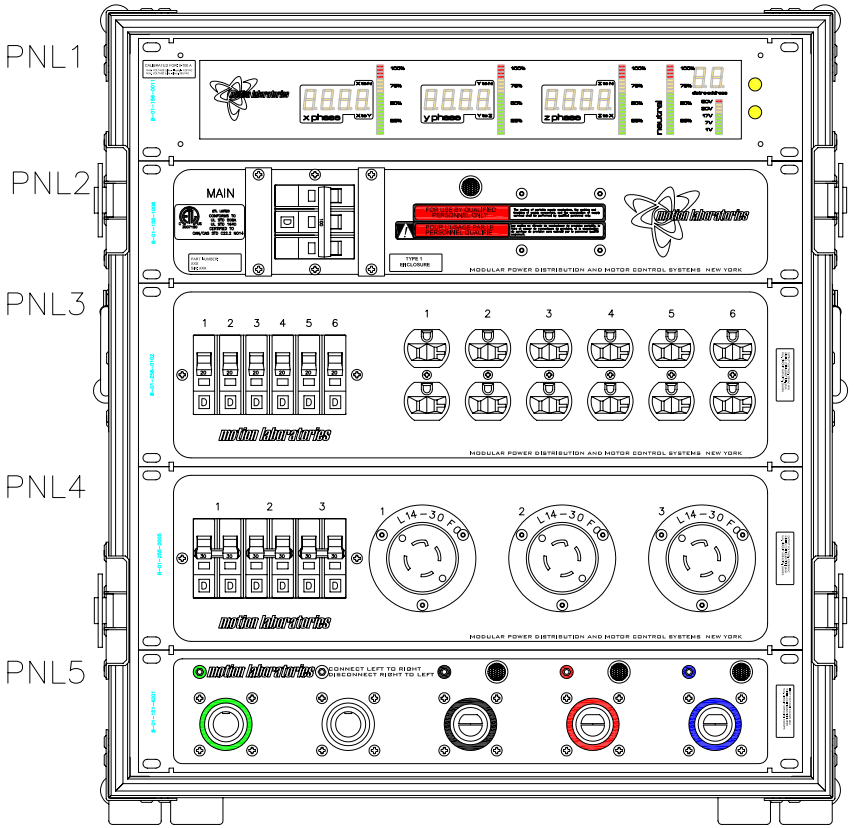

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0011	100A DVA
PNL2	B-01-155-1006	100A Main TB
PNL3	B-01-258-0102	DP66 1-6
PNL4	B-01-255-2005	TL63 L14-30FO 2PT 1-3
PNL5	B-01-151-4201	CAM5 RGN 1T

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TITLE

Portable Power Distribution System installed in a 12RU-1Sided NEMA 1 Steel Liner As shown with 12-1 13" Deep Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-13-07	A	1300-100A-12-1-01	-
CHECKED BY	DATE CHECKED			
JC	2-13-07			

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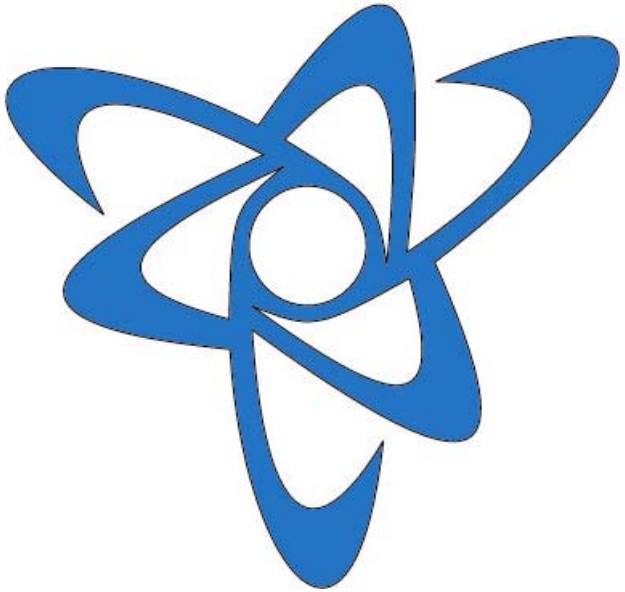
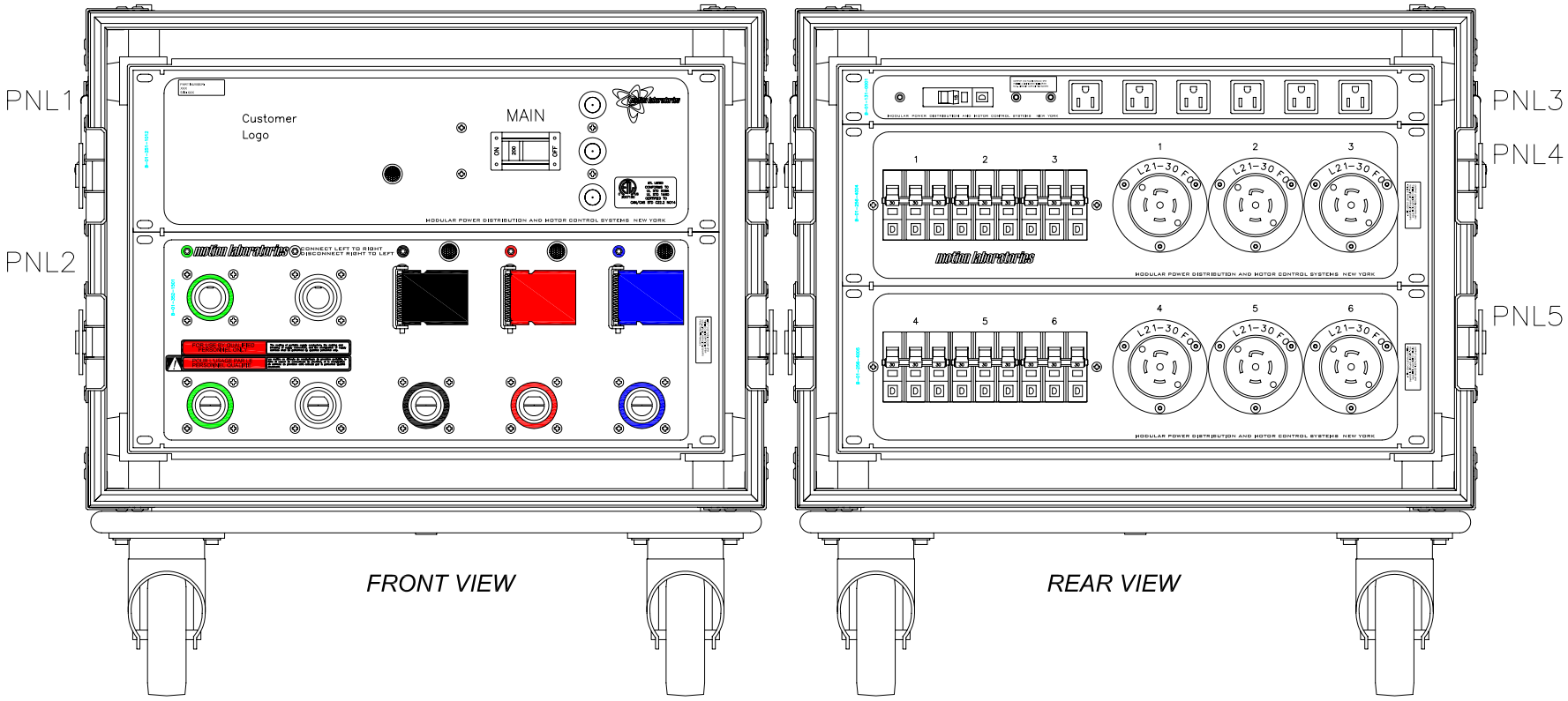
Typical Audio & Video Distros
200A





REF	PART NUMBER	DESCRIPTION
PNL1	B-01-251-1010	200A Main 2T
PNL2	B-01-352-1501	CAM10 MXF 1T
PNL3	B-01-131-0001	DP16
PNL4	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL5	B-01-256-4005	TL93 L21-30FO 3PT 4-6

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TITLE
Portable Power Distribution System installed in a 07RU-2 Sided NEMA 1 Steel Liner As shown with 7-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
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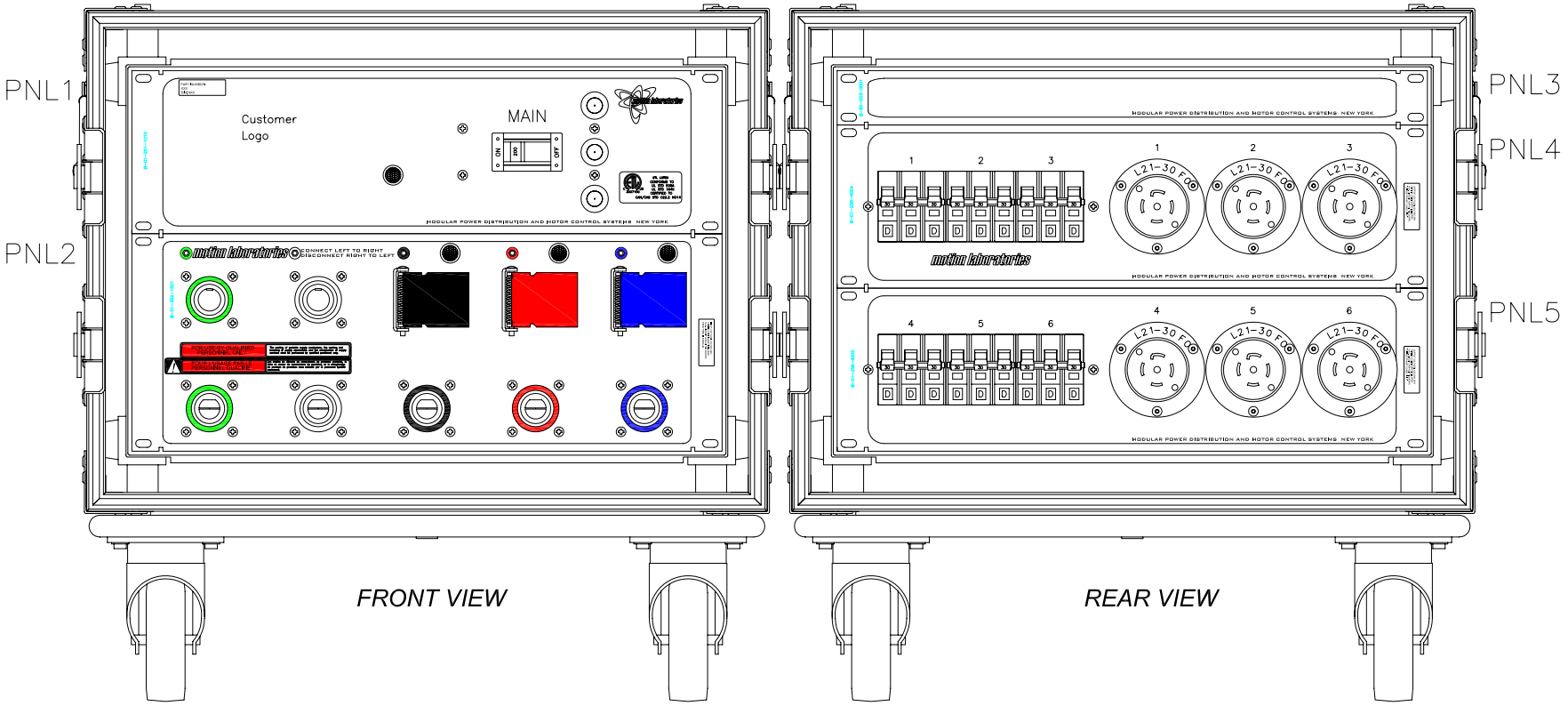

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-251-1010	200A Main 2T
PNL2	B-01-352-1501	CAM10 MXF 1T
PNL3	B-90-003-0001	1 Space Flanged Blank
PNL4	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL5	B-01-256-4005	TL93 L21-30FO 3PT 4-6

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TITLE

Portable Power Distribution System installed in a 07RU-2 Sided NEMA 1 Steel Liner As shown with 7-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
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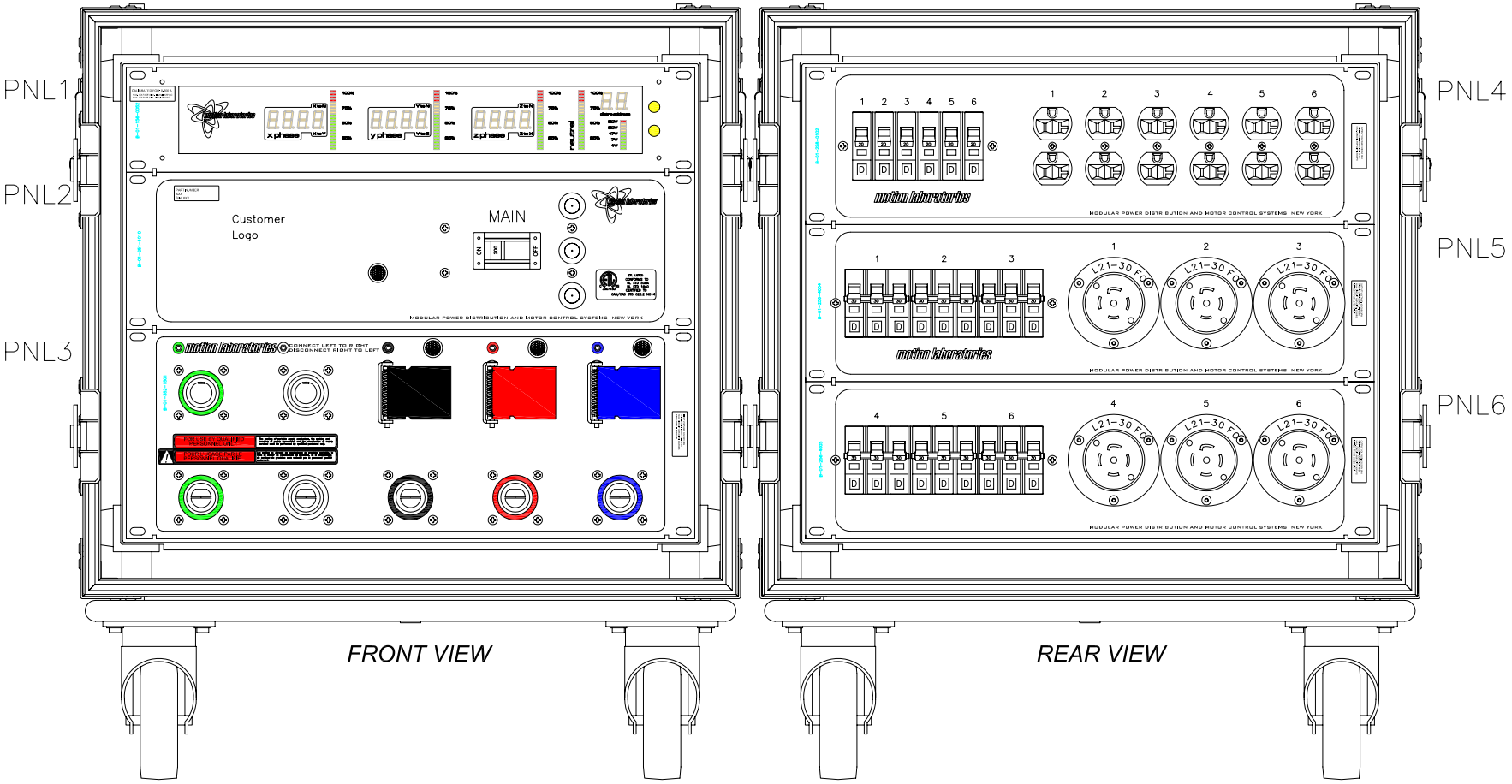

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PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1010	200A Main 2T
PNL3	B-01-352-1501	CAM10 MXF 1T
PNL4	B-01-258-0102	DP66 1-6
PNL5	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL6	B-01-256-4005	TL93 L21-30FO 3PT 4-6

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TITLE

Portable Power Distribution System installed in a 09RU-2 Sided NEMA 1 Steel Liner As shown with 9-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
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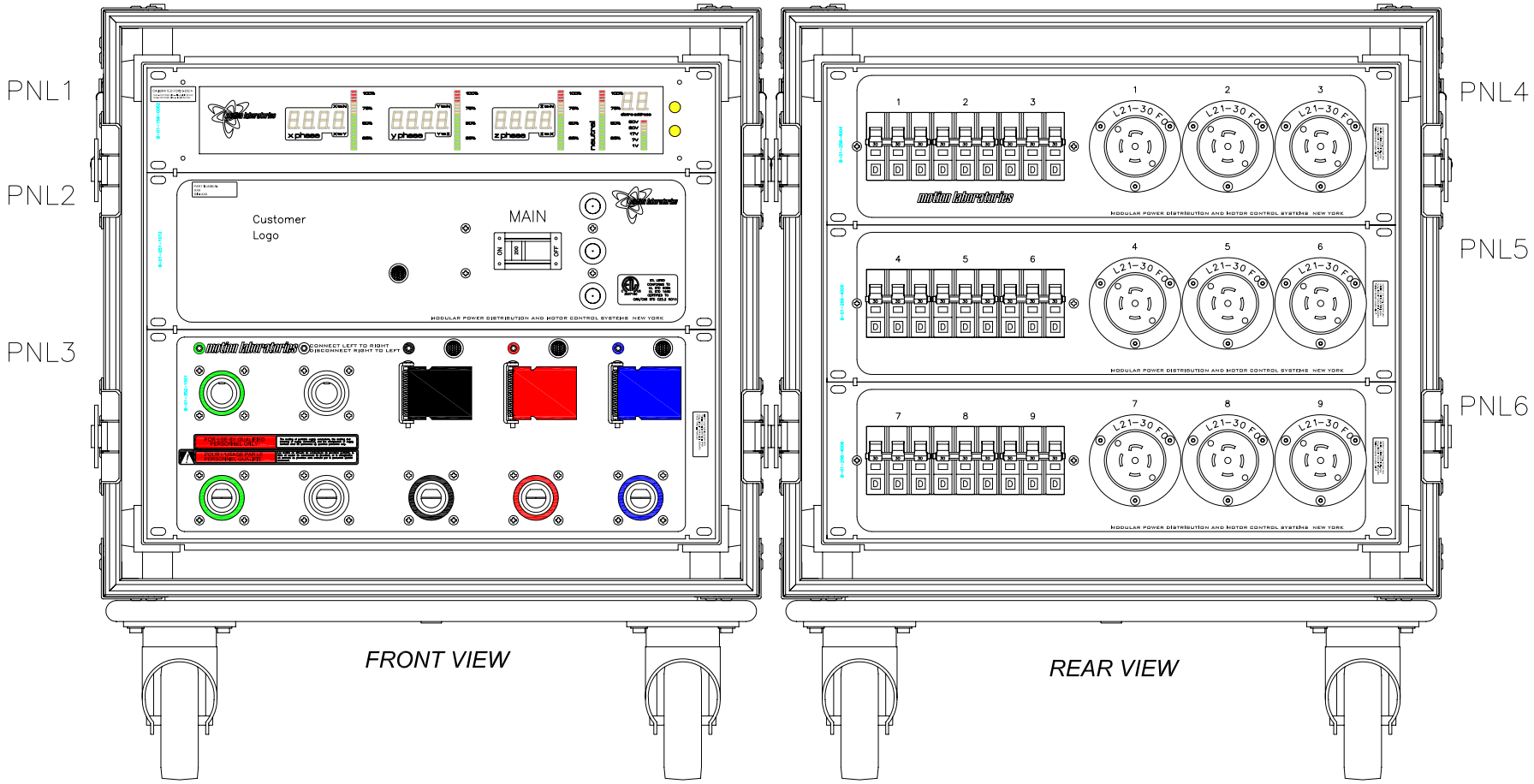

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1012	200A Main 3T
PNL3	B-01-352-1501	CAM10 MXF 1T
PNL4	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL5	B-01-256-4005	TL93 L21-30FO 3PT 4-6
PNL6	B-01-256-4006	TL93 L21-30FO 3PT 7-9

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Portable Power Distribution System installed in a 09RU-2 Sided NEMA 1 Steel Liner As shown with 9-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-13-07	A	1300-200A-09-2-01	-
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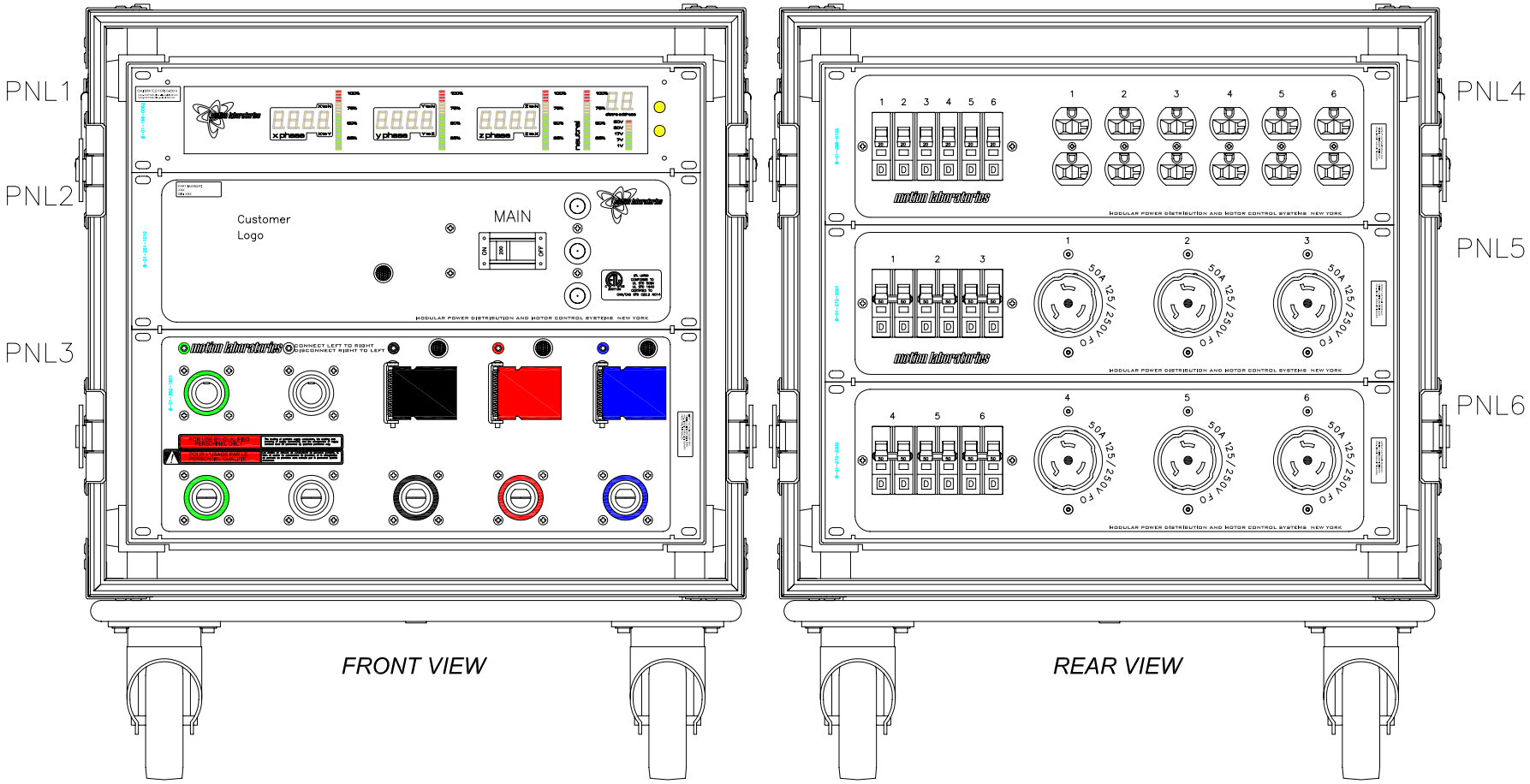

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1010	200A Main 2T
PNL3	B-01-351-1501	CAM10 MXF 1T
PNL4	B-01-258-0102	DP66 1-6
PNL5	B-01-272-2001	TL6350 50A 125/250V 2PT 1-3
PNL6	B-01-272-2002	TL6350 50A 125/250V 2PT 4-6

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TITLE
Portable Power Distribution System installed in a 09RU-2 Sided NEMA 1 Steel Liner As shown with 9-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-13-07	A	1300-200A-09-2-02	-
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JC	2/14/07			

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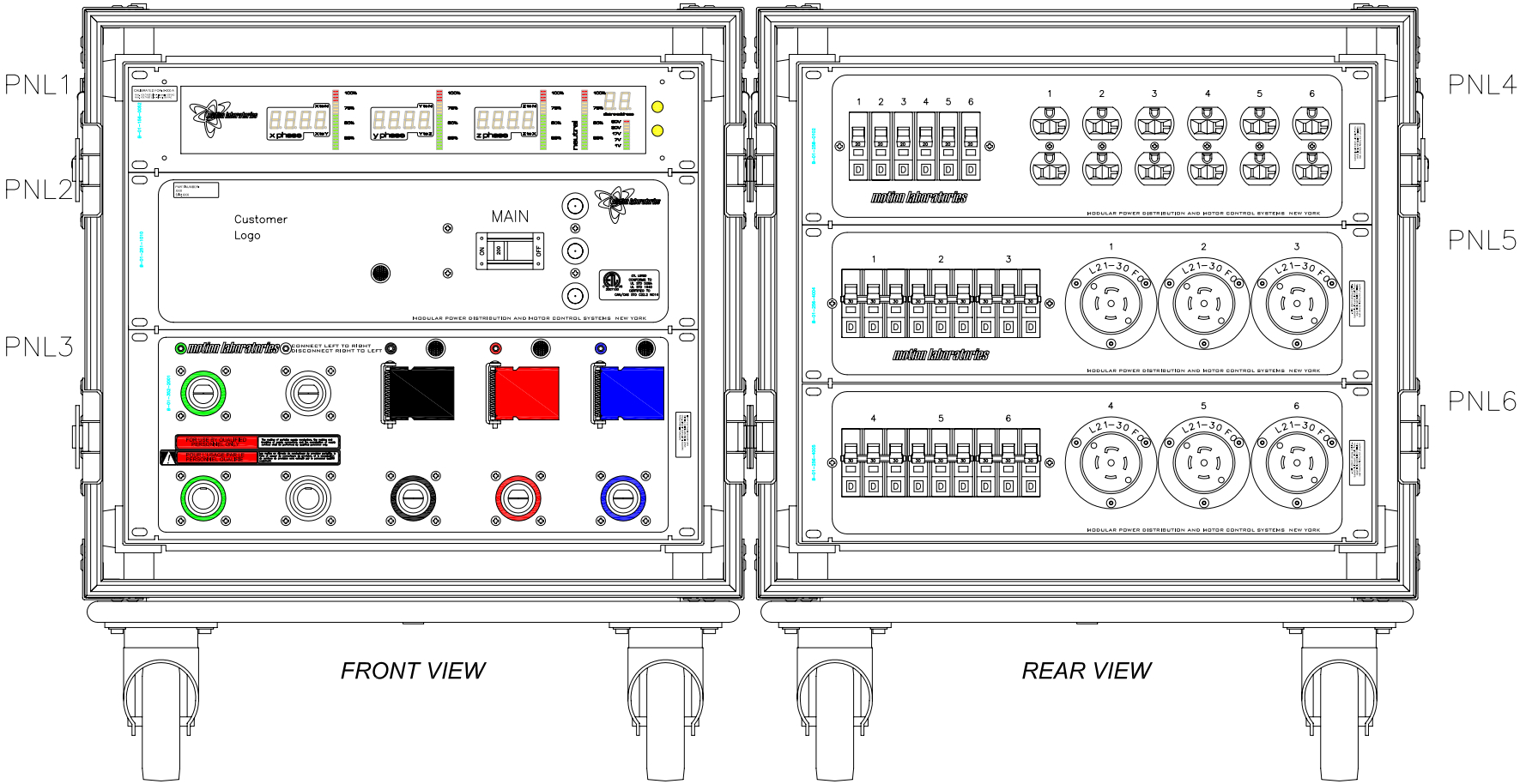

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1010	200A Main 2T
PNL3	B-01-352-2001	CAM10 RGN 1T
PNL4	B-01-258-0102	DP66
PNL5	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL6	B-01-256-4005	TL93 L21-30FO 3PT 4-6

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Portable Power Distribution System installed in a 09RU-2 Sided NEMA 1 Steel Liner As shown with 9-2 31" Deep Shock Mount Road Case

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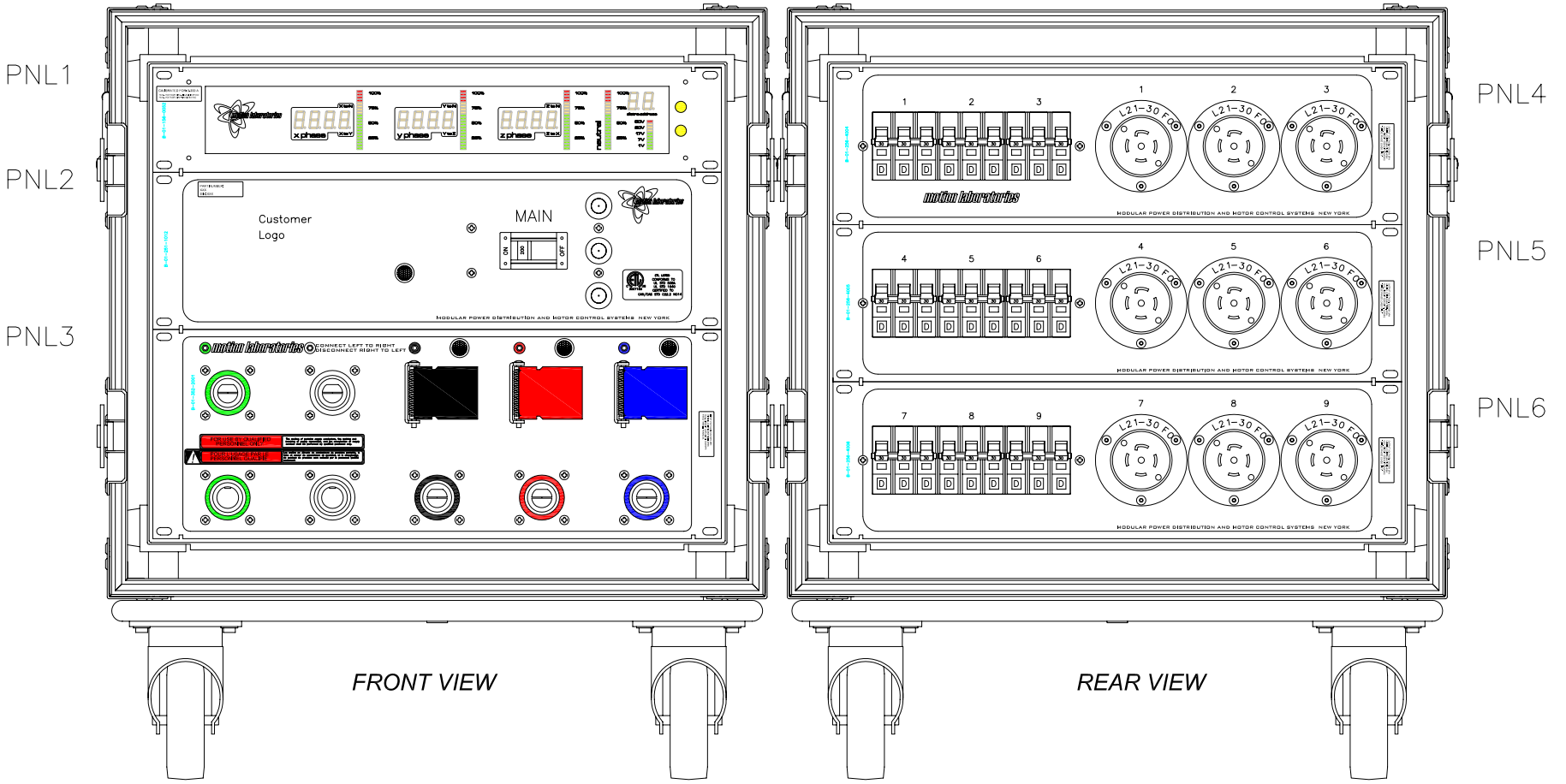

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PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1012	200A Main 3T
PNL3	B-01-352-2001	CAM10 RGN 1T
PNL4	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL5	B-01-256-4005	TL93 L21-30FO 3PT 4-6
PNL6	B-01-256-4006	TL93 L21-30FO 3PT 7-9

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TITLE

Portable Power Distribution System installed in a 09RU-2 Sided NEMA 1 Steel Liner As shown with 9-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
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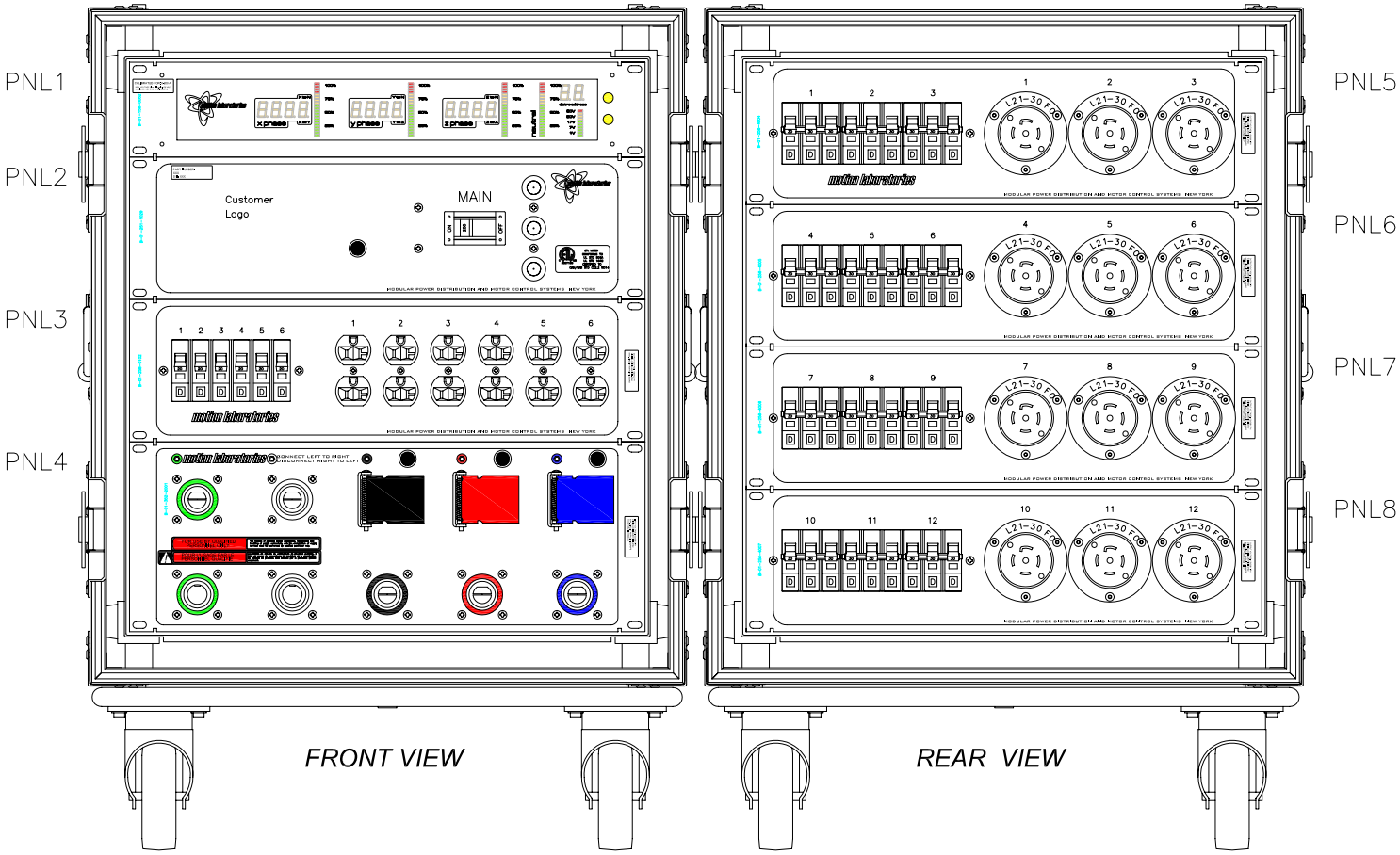

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1029	200A Main 4T
PNL3	B-01-258-0102	DP66 1-6
PNL4	B-01-352-2001	CAM10 RGN 1T
PNL5	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL6	B-01-256-4005	TL93 L21-30FO 3PT 4-6
PNL7	B-01-256-4006	TL93 L21-30FO 3PT 7-9
PNL8	B-01-256-4007	TL93 L21-30FO 3PT 10-12

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TITLE

Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
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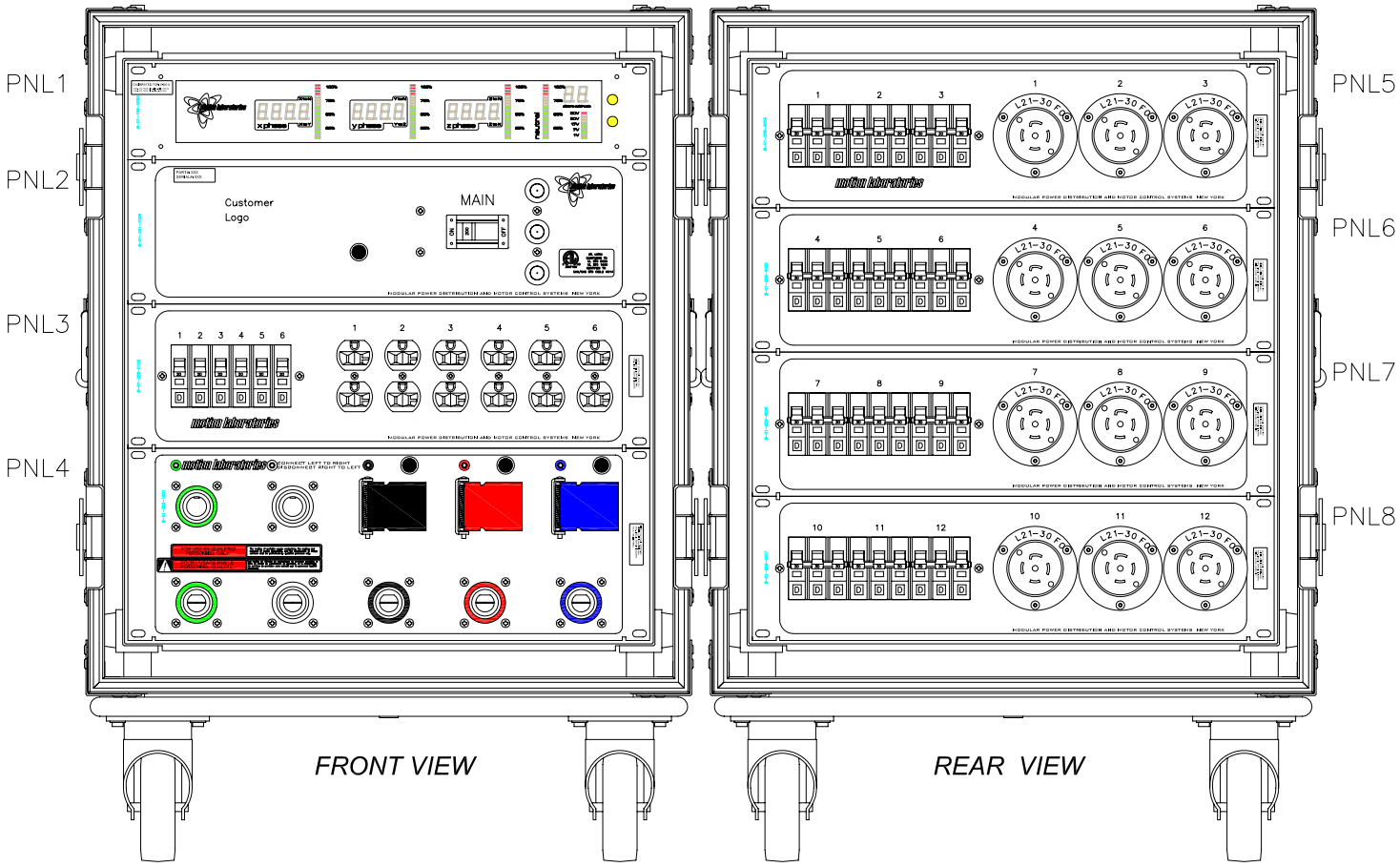

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1029	200A Main 4T
PNL3	B-01-258-0102	DP66 1-6
PNL4	B-01-352-1501	CAM10 MXF 1T
PNL5	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL6	B-01-256-4005	TL93 L21-30FO 3PT 4-6
PNL7	B-01-256-4006	TL93 L21-30FO 3PT 7-9
PNL8	B-01-256-4007	TL93 L21-30FO 3PT 10-12

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Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
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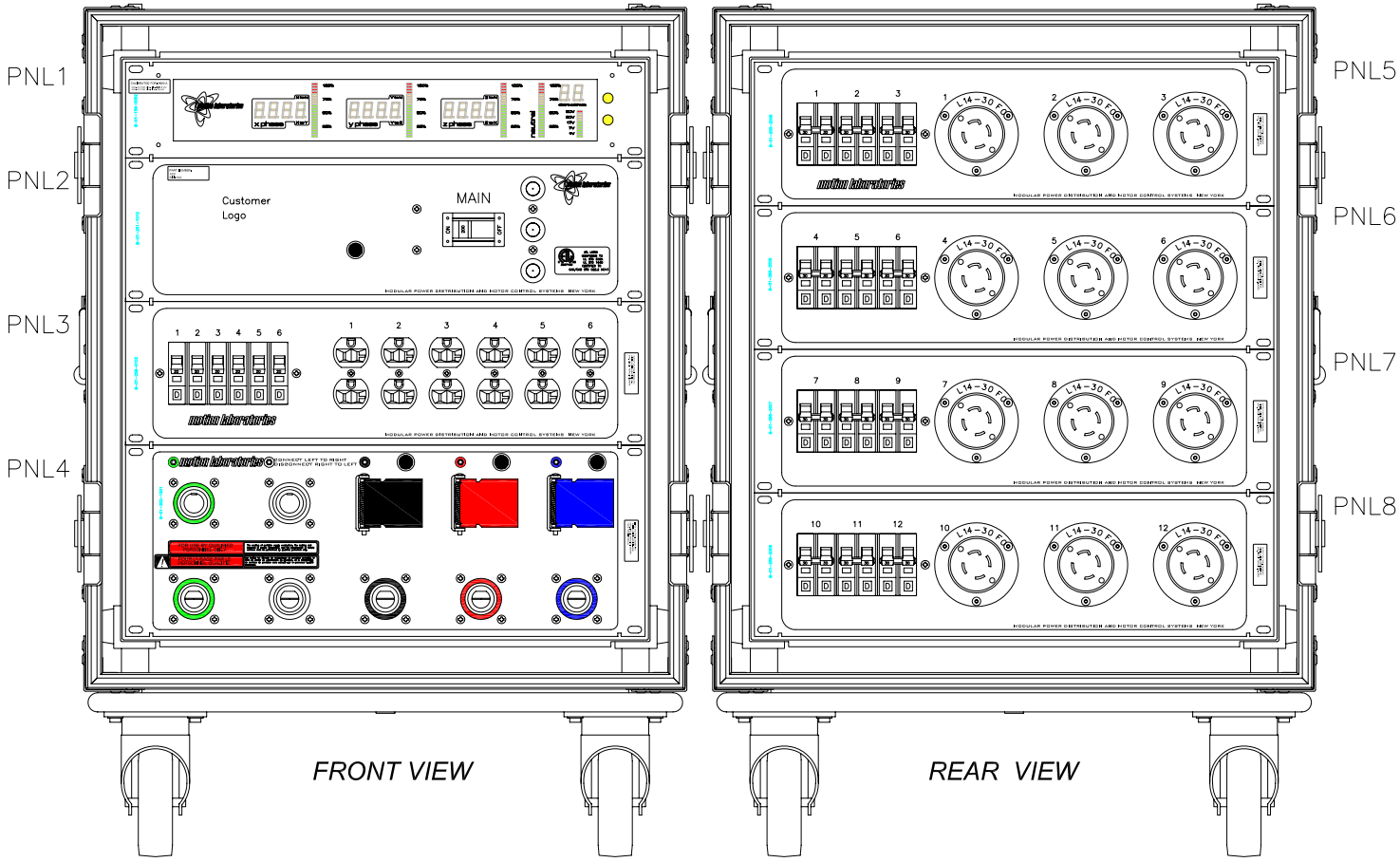

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1012	200A Main 3T
PNL3	B-01-258-0102	DP66 1-6
PNL4	B-01-352-1501	CAM10 MXF 1T
PNL5	B-01-255-2005	TL63 L14-30 2PT 1-3
PNL6	B-01-255-2006	TL63 L14-30 2PT 4-6
PNL7	B-01-255-2007	TL63 L14-30 2PT 7-9
PNL8	B-01-255-2008	TL63 L14-30 2PT 10-12

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TITLE

Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-15-07	A	1300-200A-12-2-02	-
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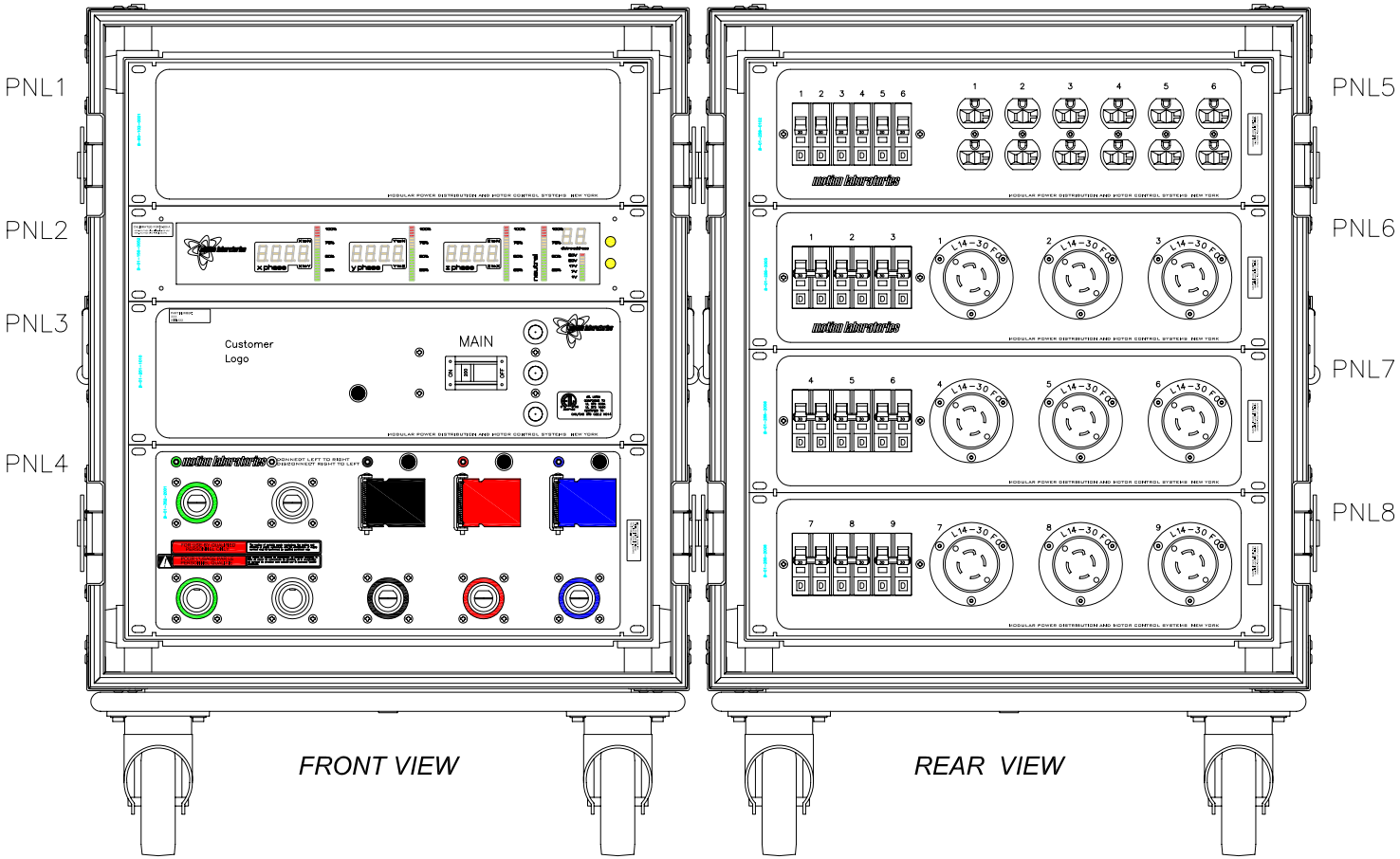

REF	PART NUMBER	DESCRIPTION
PNL1	B-90-102-0001	3 Space Flanged Blank
PNL2	B-01-156-0052	200A DVA
PNL3	B-01-251-1010	200A Main 2T
PNL4	B-01-352-2001	CAM10 RGN 1T
PNL5	B-01-258-0102	DP66, 1-6
PNL6	B-01-255-2005	TL63 L14-30 2PT, 1-3
PNL7	B-01-255-2006	TL63 L14-30 2PT, 4-6
PNL8	B-01-255-2007	TL63 L14-30 2PT, 7-9

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TITLE

Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-15-07	A	1300-200A-12-2-03	-
CHECKED BY	DATE CHECKED			
JC	2/15/07			

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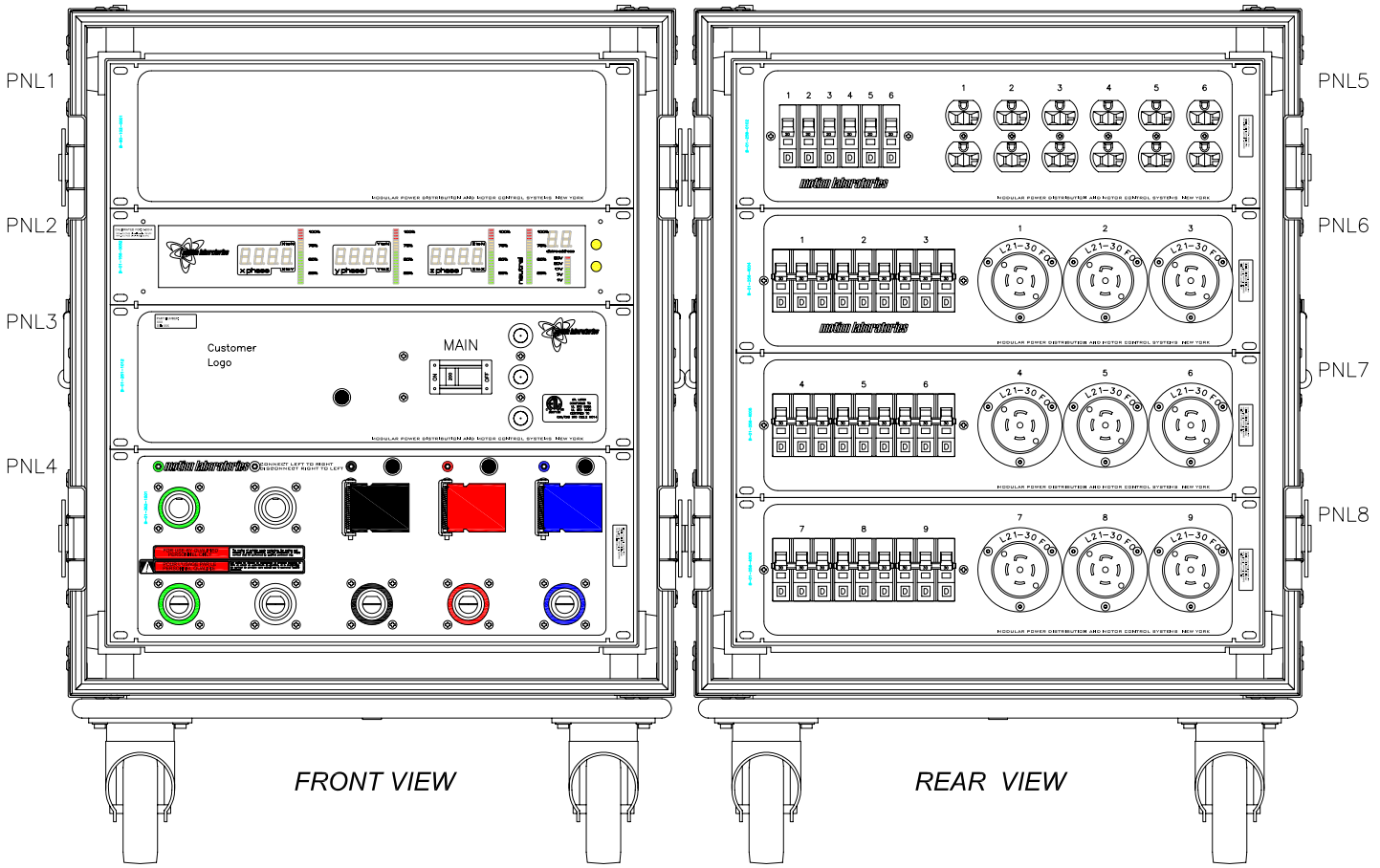

REF	PART NUMBER	DESCRIPTION
PNL1	B-90-102-0001	3 Space Flanged Blank
PNL2	B-01-156-0052	200A DVA
PNL3	B-01-251-1012	200A Main 3T
PNL4	B-01-352-1501	CAM10 MXF 1T
PNL5	B-01-258-0102	DP66 1-6
PNL6	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL7	B-01-256-4005	TL93 L21-30FO 3PT 4-6
PNL8	B-01-256-4006	TL93 L21-30FO 3PT 7-9

motionlaboratories
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800-227-6784

TITLE

Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-15-07	A	1300-200A-12-2-04	-
CHECKED BY	DATE CHECKED			
JC	2/15/07			

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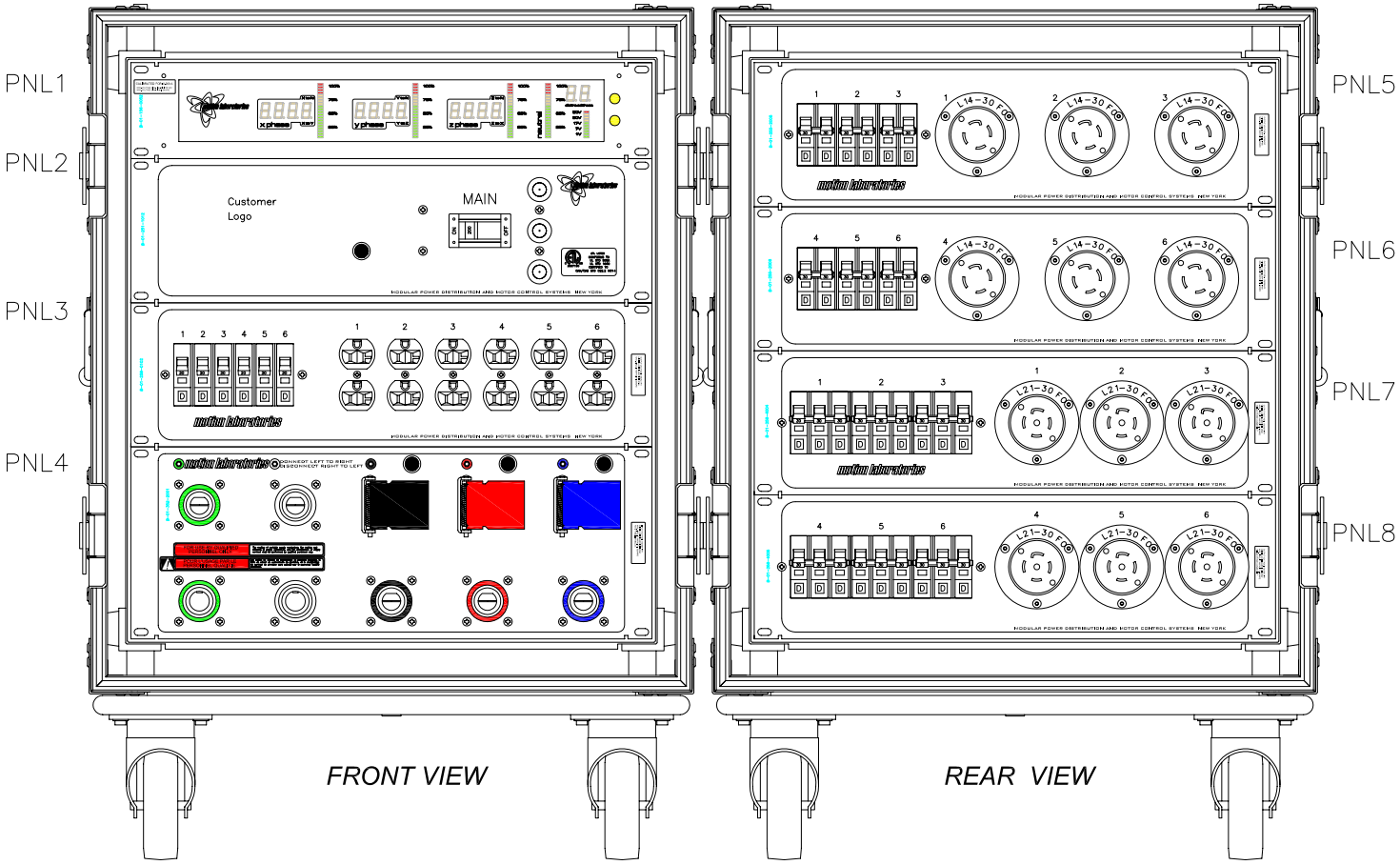

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1012	200A MAIN 3T
PNL3	B-01-258-0102	DP66, 1-6
PNL4	B-01-352-2001	CAM10 RGN, 1T
PNL5	B-01-255-2005	TL63, L1430, 2PT, 1-3
PNL6	B-01-255-2006	TL63, L1430, 2PT, 4-6
PNL7	B-01-256-4004	TL93. L2130, 3PT, 1-3
PNL8	B-01-256-4005	TL93. L2130, 3PT, 4-6

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TITLE

Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-15-07	A	1300-200A-12-2-09	-
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JC	2/15/07			

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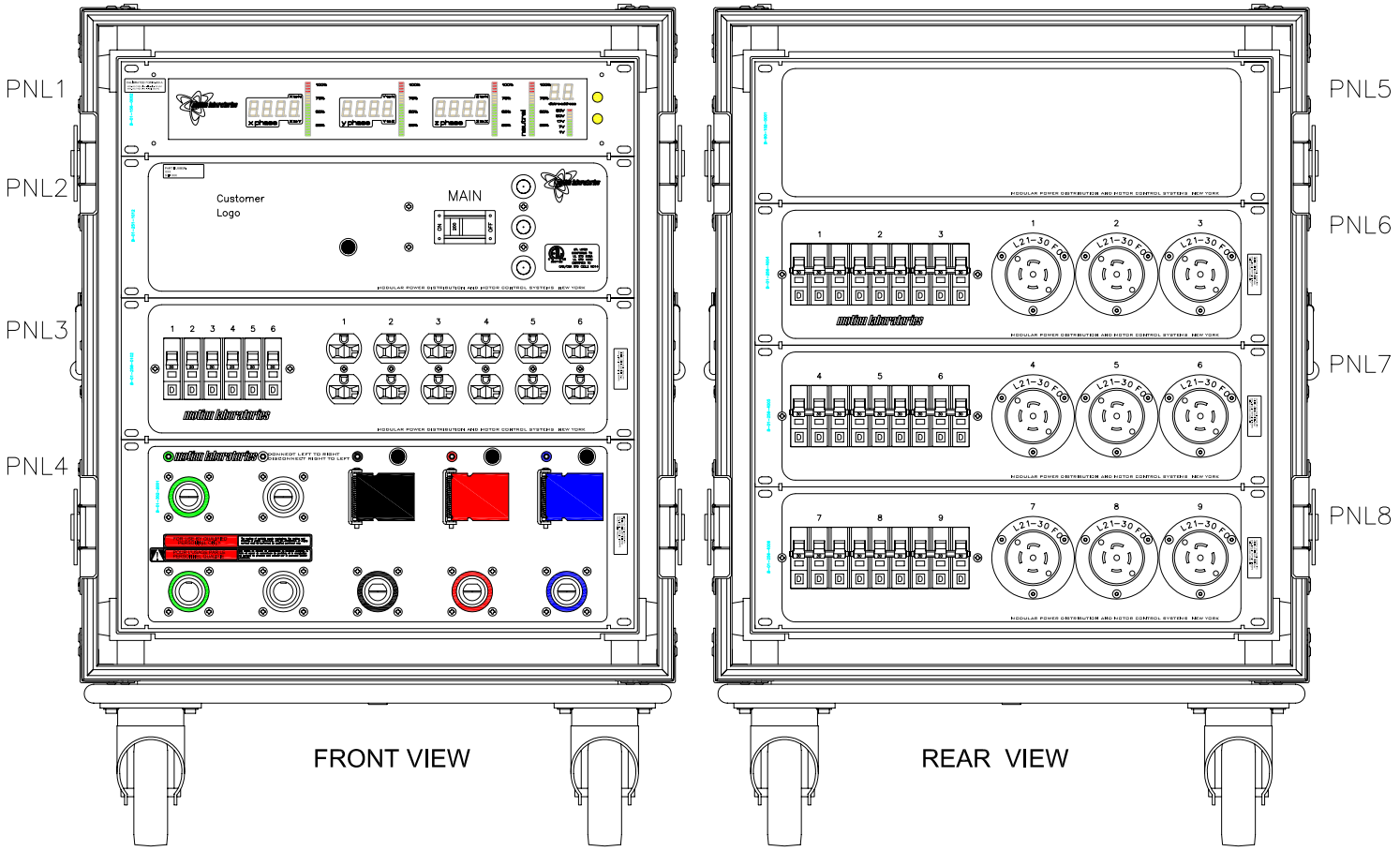

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1012	200A Main 3T
PNL3	B-01-258-0102	DP66 1-6
PNL4	B-01-352-2001	CAM10 RGN 1T
PNL5	B-90-102-0001	3 Space Flanged Blank
PNL6	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL7	B-01-256-4005	TL93 L21-30FO 3PT 4-6
PNL8	B-01-256-4006	TL93 L21-30FO 3PT 7-9

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TITLE
Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-15-07	A	1300-200A-12-2-11	-
CHECKED BY	DATE CHECKED			
JC	2/15/07			

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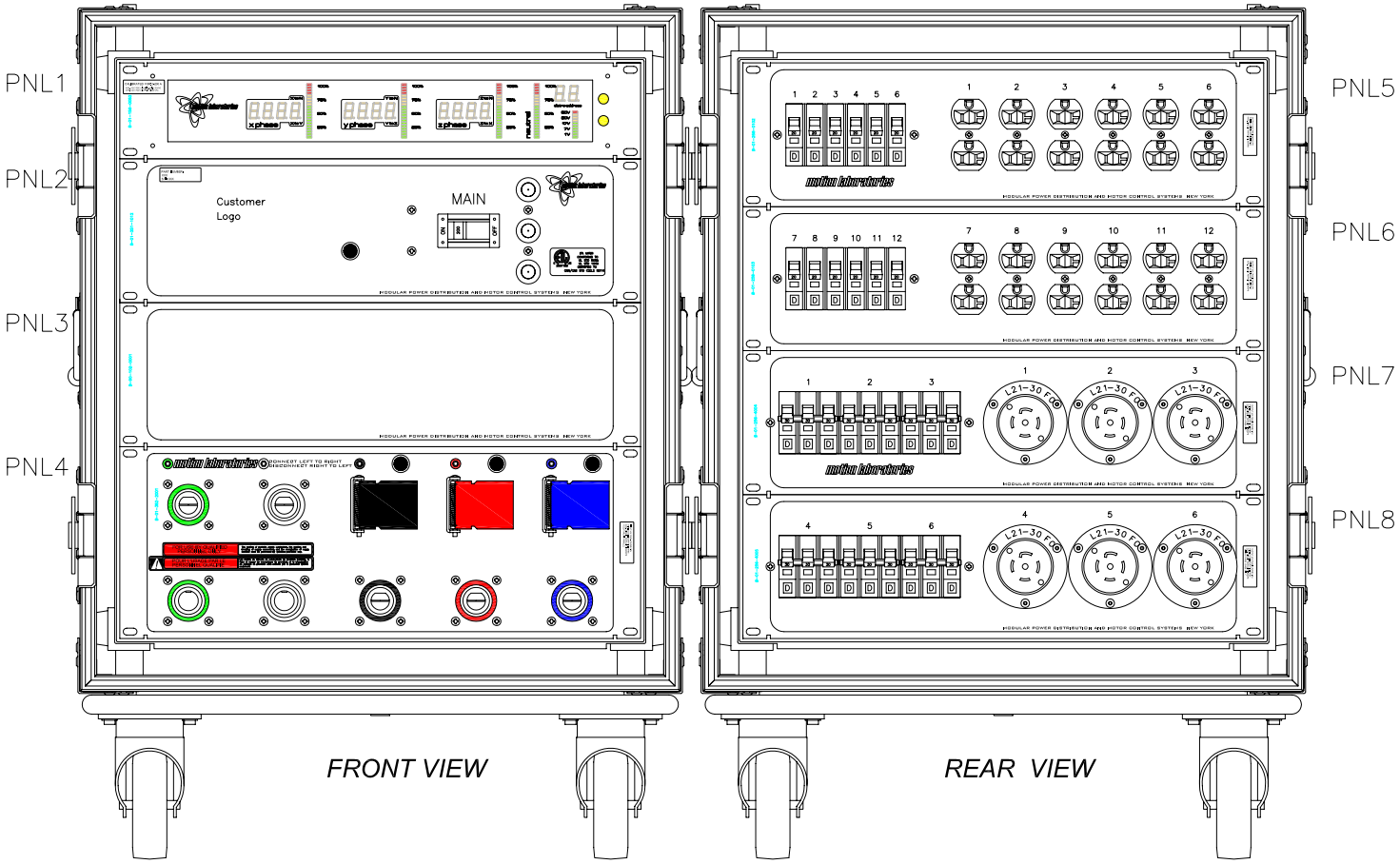

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1012	200A Main 3T
PNL3	B-90-102-0001	3 Space Flanged Blank
PNL4	B-01-352-2001	CAM10 RGN 1T
PNL5	B-01-258-0102	DP66 1-6
PNL6	B-01-258-0103	DP66 7-12
PNL7	B-01-256-4004	TL93 L21-30FO 3PT 1-3
PNL8	B-01-256-4005	TL93 L21-30FO 3PT 4-6

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TITLE

Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-15-07	A	1300-200A-12-2-12	-
CHECKED BY	DATE CHECKED			
JC	2/15/07			

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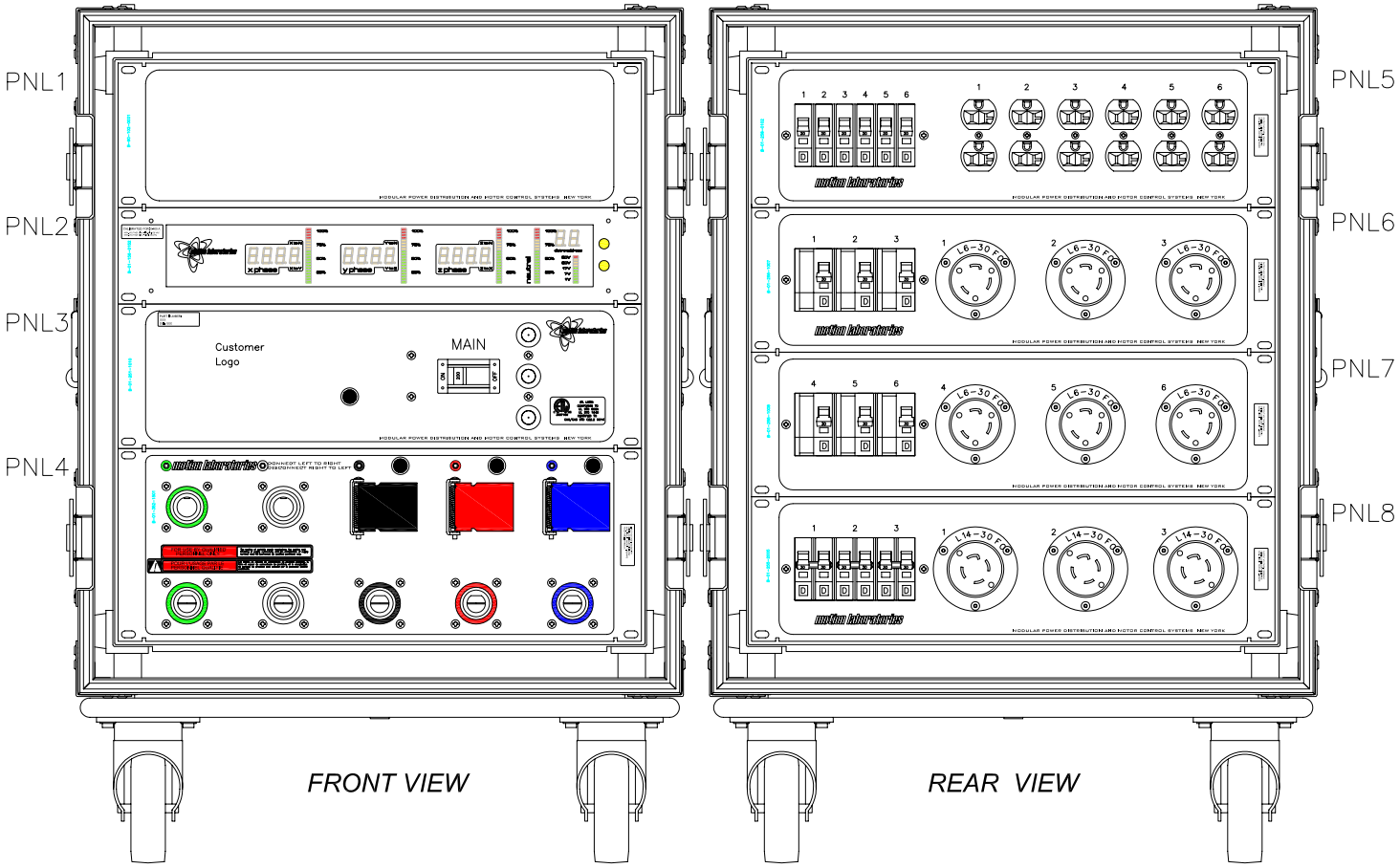

REF	PART NUMBER	DESCRIPTION
PNL1	B-90-102-0001	3 Space Flanged Blank
PNL2	B-01-156-0052	200A DVA
PNL3	B-01-251-1010	200A Main 2T
PNL4	B-01-352-1501	CAM10 MXF 1T
PNL5	B-01-258-0102	DP66 1-6
PNL6	B-01-255-1007	TL63 L6-30FO 1-3
PNL7	B-01-255-1008	TL63 L6-30FO 4-6
PNL8	B-01-255-2005	TL63 L14-30FO 2PT 1-3

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TITLE

Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-15-07	A	1300-200A-12-2-14	-
CHECKED BY	DATE CHECKED			
JC	2/15/07			

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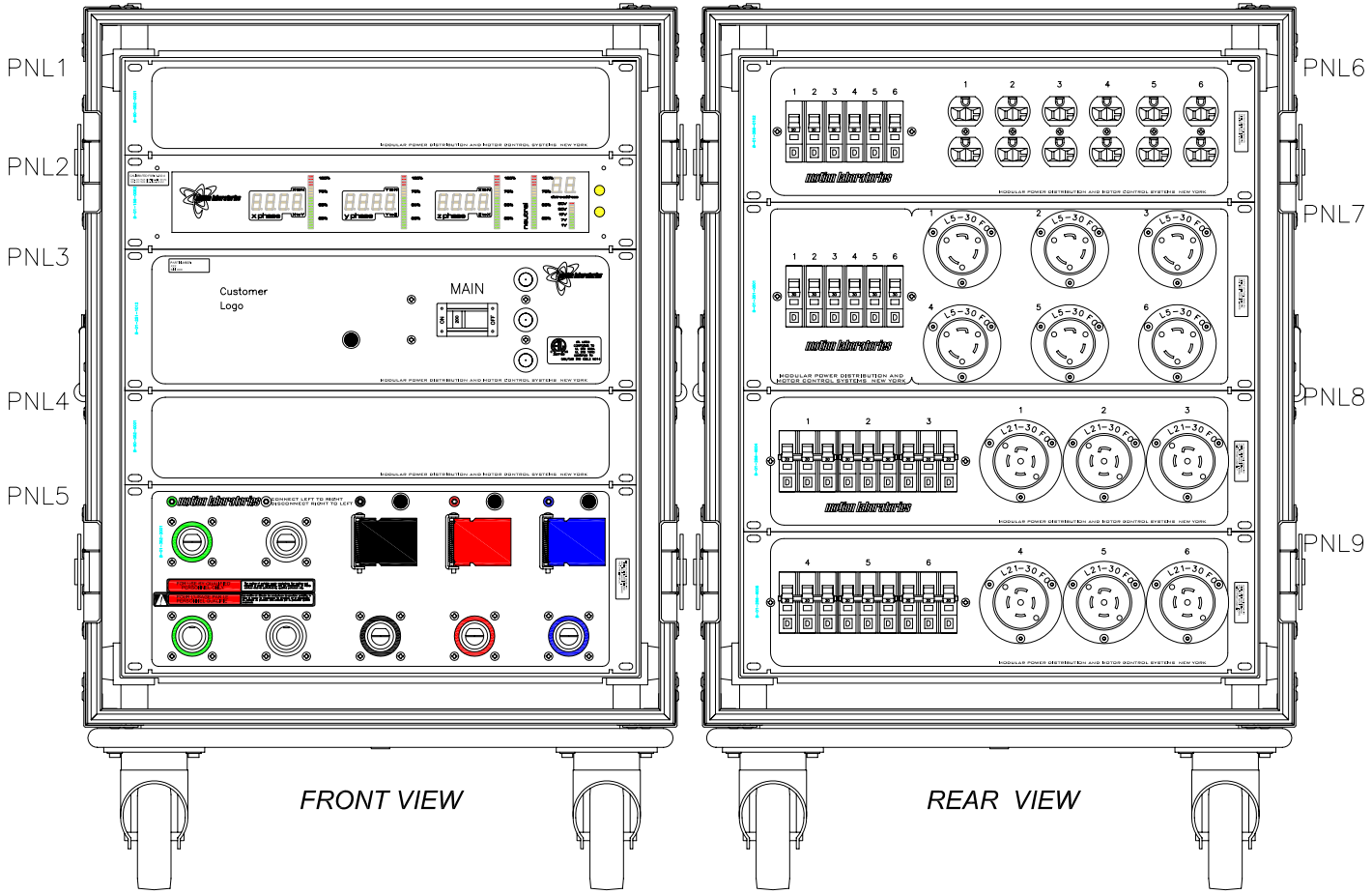

REF	PART NUMBER	DESCRIPTION
PNL1, PNL4	B-90-052-0001	2Space Flanged Blank
PNL2	B-01-156-0052	200A DVA
PNL3	B-01-251-1012	200A Main 3T
PNL5	B-01-352-2001	CAM10, RGN, 1T
PNL6	B-01-258-0102	DP66 1-6
PNL7	B-01-351-0501	TL66 L5-30 1-6
PNL8	B-01-256-4004	TL93 L21-30, 1-3
PNL9	B-01-256-4005	TL93 L21-30, 4-6

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TITLE

Portable Power Distribution System installed in a 13RU-2 Sided NEMA 1 Steel Liner As shown with 13-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-15-07	A	1300-200A-13-2-00	-
CHECKED BY	DATE CHECKED			
JC	2/15/07			

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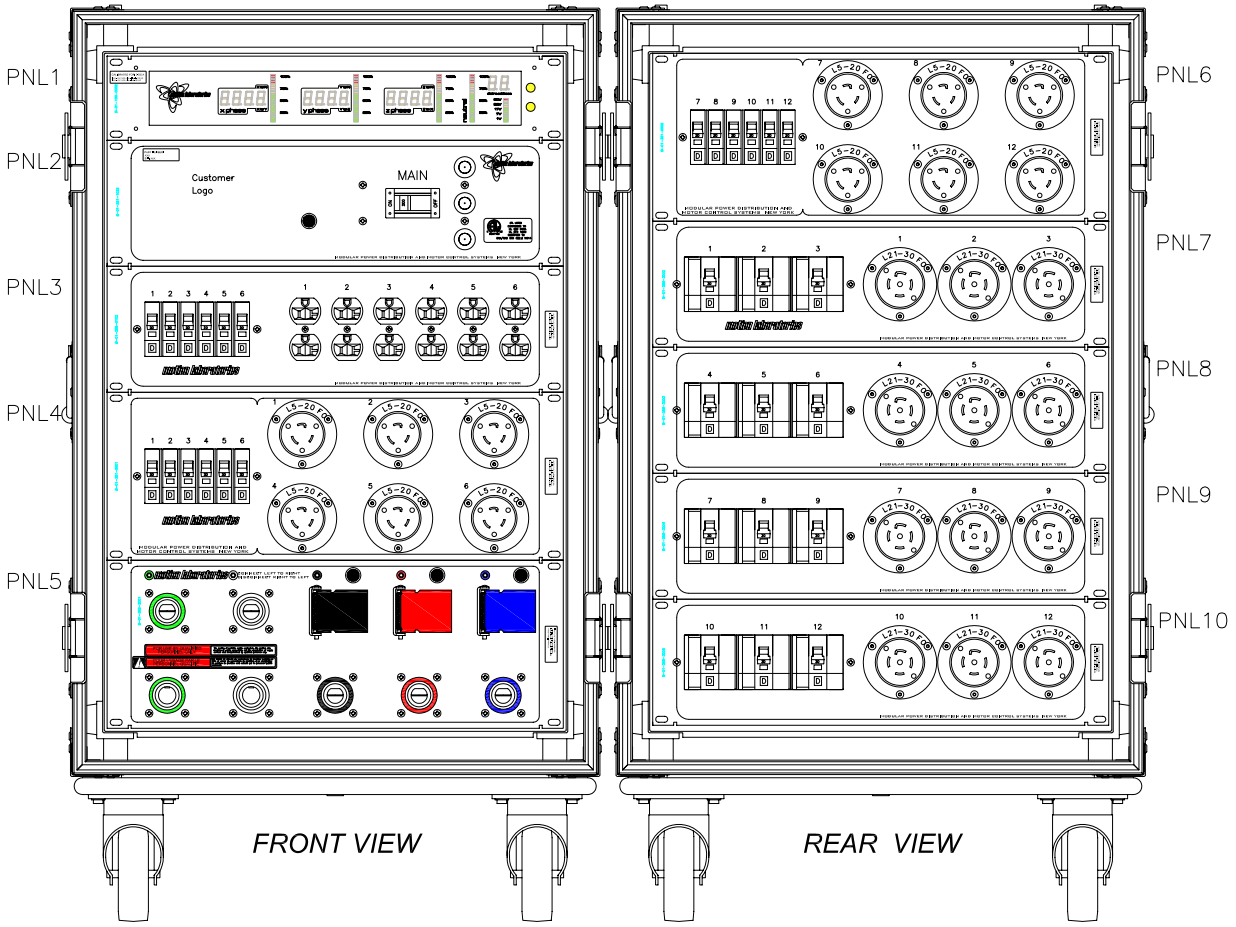

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1032	200A Main
PNL3	B-01-258-0102	DP66 1-6
PNL4	B-01-351-0001	TL66 L5-20FO 1-6
PNL5	B-01-352-2001	CAM10 RGN 1T
PNL6	B-01-351-0002	TL66 L5-20FO 7-12
PNL7	B-01-256-3002	TL93 L21-30FO 3P 1-3
PNL8	B-01-256-3003	TL93 L21-30FO 3P 4-6
PNL9	B-01-256-3004	TL93 L21-30FO 3P 7-9
PNL10	B-01-256-3005	TL93 L21-30FO 3P 10-12

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TITLE

Portable Power Distribution System installed in a 16RU-2 Sided NEMA 1 Steel Liner As shown with 16-2 31" Deep Shock Mount Road Cas

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-15-07	A	1300-200A-16-2-01	-
CHECKED BY	DATE CHECKED			
JC	2/15/07			

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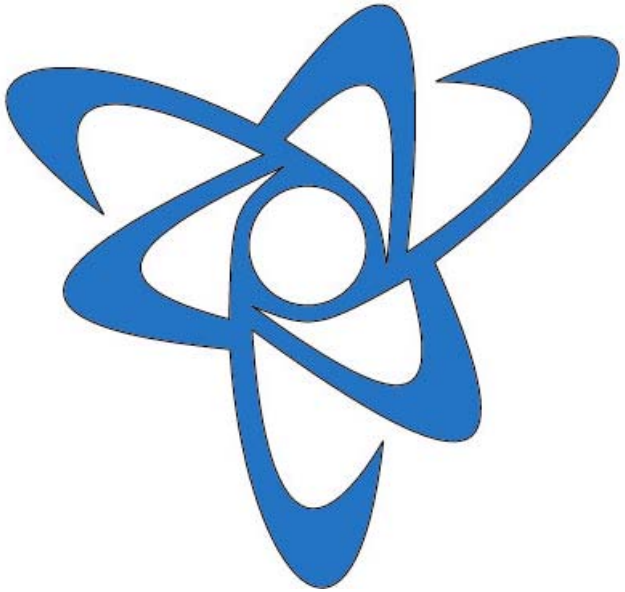
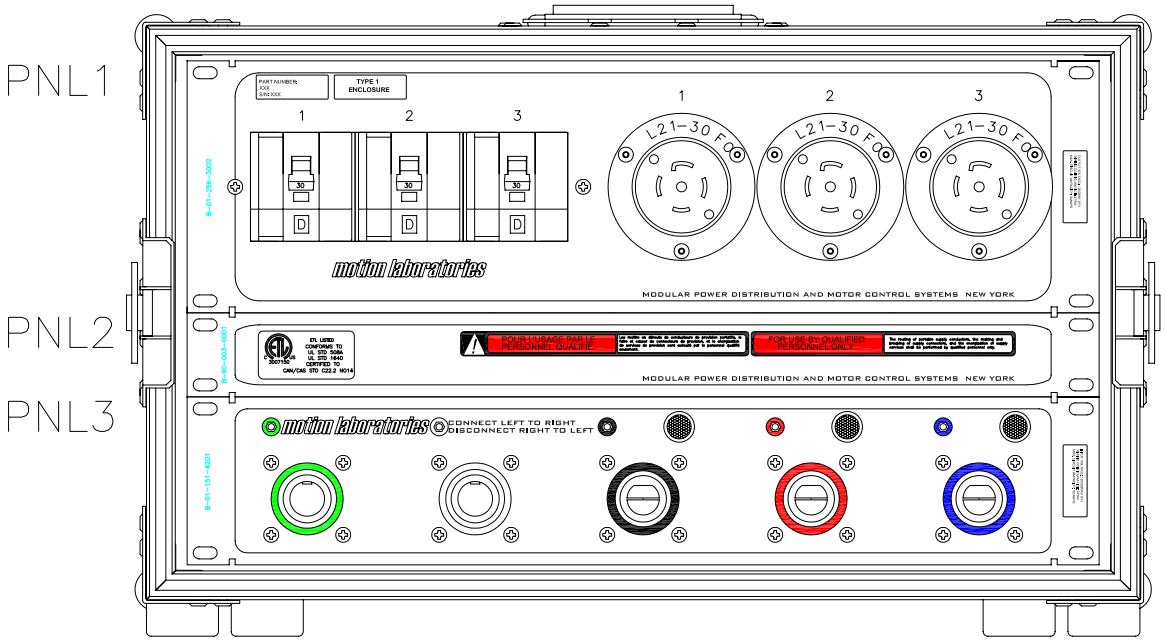
Typical Audio & Video Distros
No Main





REF	PART NUMBER	DESCRIPTION
PNL1	B-01-256-3002	TL93 L21-30FO 3P 1-3
PNL2	B-90-003-0001	1 Space Flanged Blank
PNL3	B-01-151-4201	CAM5 RGN 1T

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TITLE

Portable Power Distribution System installed in a 06RU-1Sided NEMA 1 Steel Liner As shown with 6-1 13" Deep Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-15-07	A	1300-000-06-1-02	-
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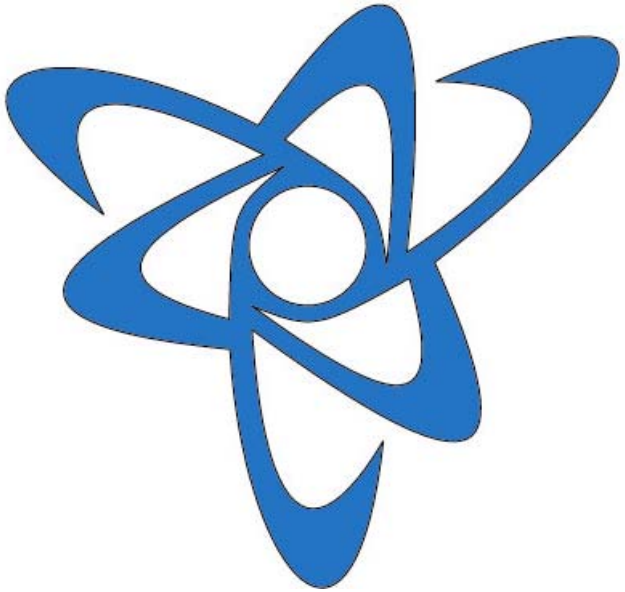
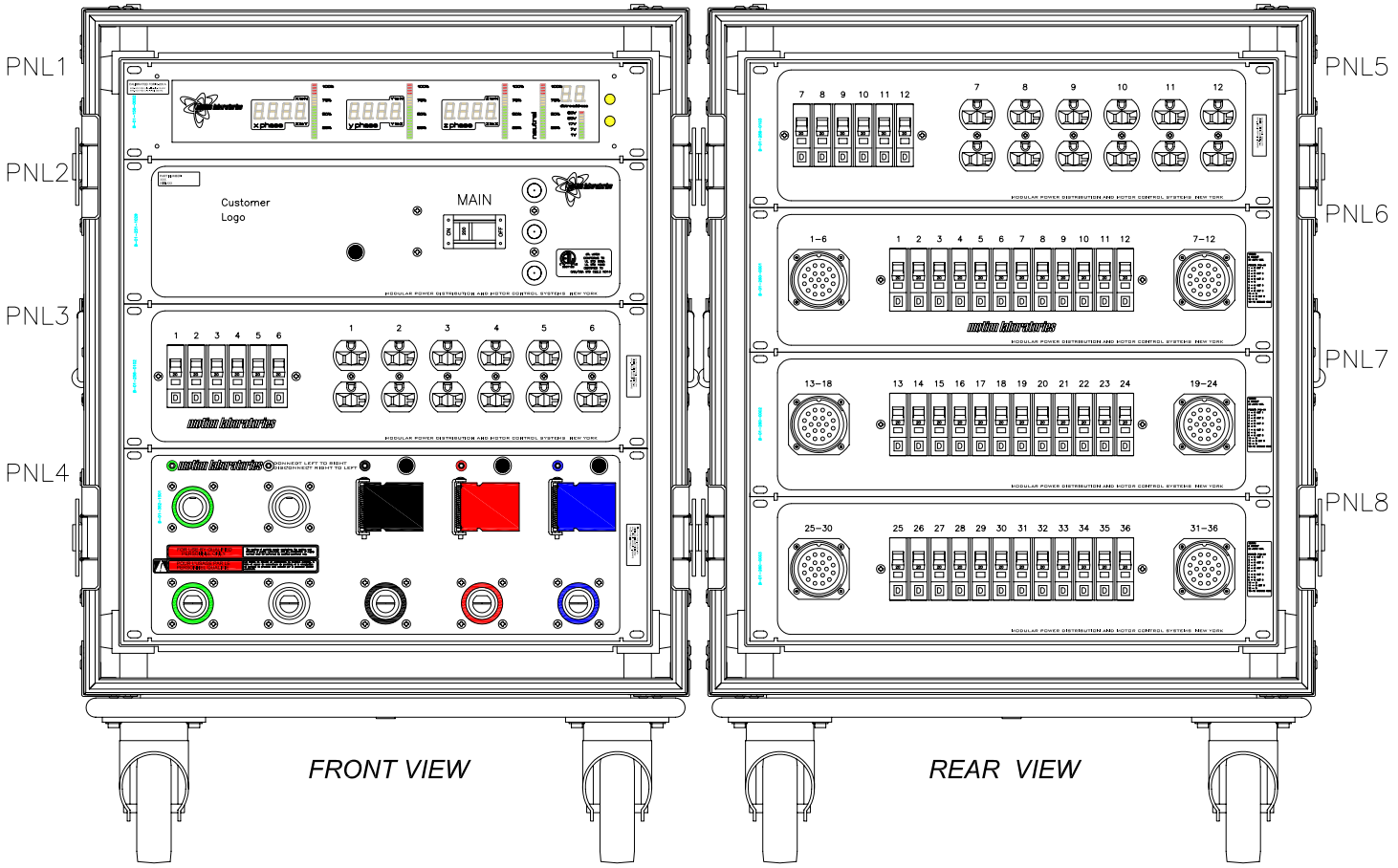
Typical Lighting Distros
200A





REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1029	200A MAIN 4T
PNL3	B-01-258-0102	DP66, 1-6
PNL4	B-01-352-1501	CAM10, MXF, 1T
PNL5	B-01-258-0103	DP66, 7-12
PNL6	B-01-260-0001	SOC122, 20A 1P, 1-12
PNL7	B-01-260-0002	SOC122, 20A 1P, 13-24
PNL8	B-01-260-0003	SOC122, 20A 1P, 25-36

120VAC, 36 CHANNEL

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TITLE
Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-16-07	A	1300-200A-12-2-05	-
CHECKED BY	DATE CHECKED			
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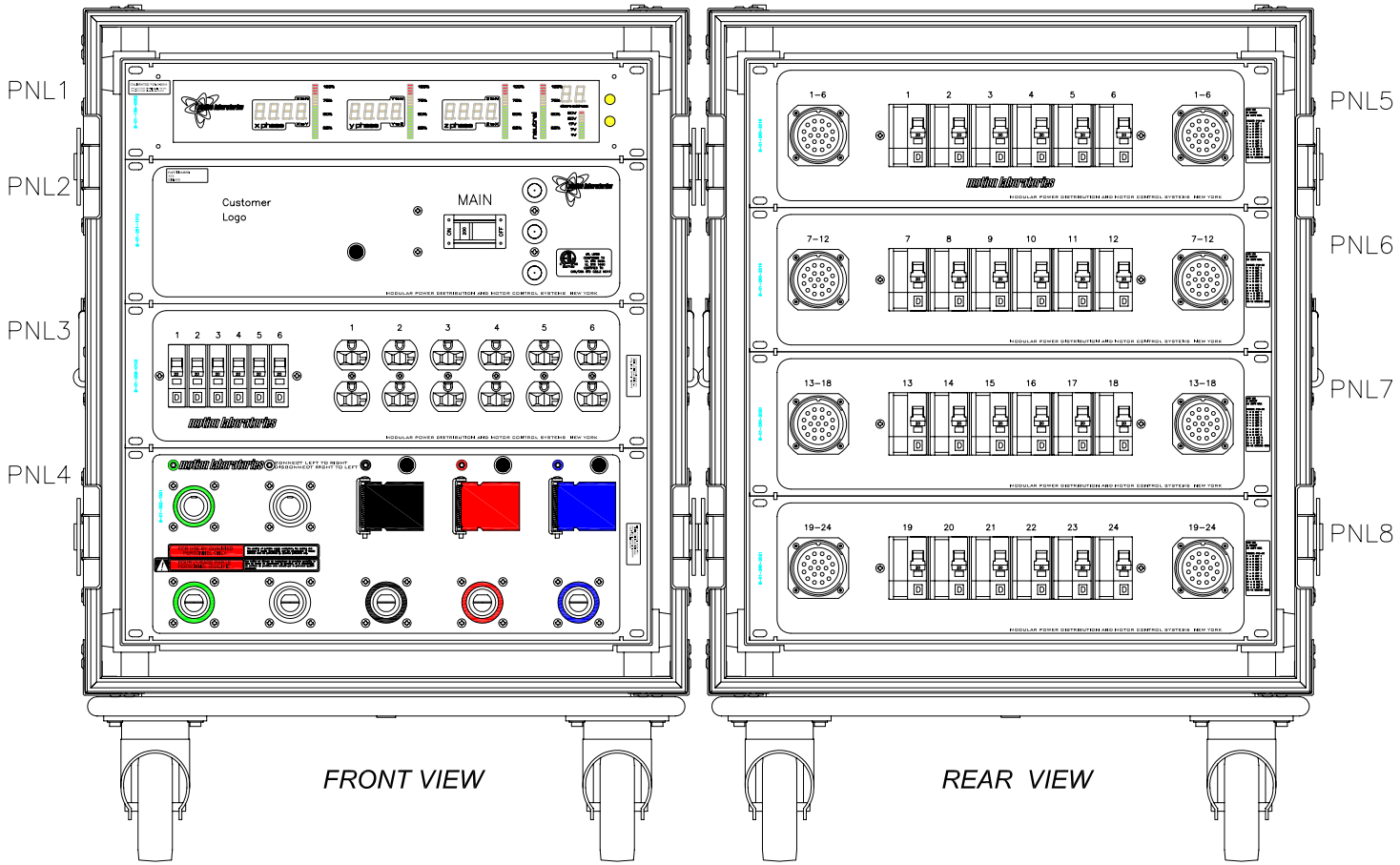

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1012	200A Main 3T
PNL3	B-01-258-0102	DP66 1-6
PNL4	B-01-352-1501	CAM10 MXF 1T
PNL5	B-01-260-2018	SOC122 2P20A 1-6, GP06
PNL6	B-01-260-2019	SOC122 2P20A 7-12, GP06
PNL7	B-01-260-2020	SOC122 2P20A 13-18, GP06
PNL8	B-01-260-2021	SOC122 2P20A 19-24, GP06

208VAC, 24 CHANNEL, PARALLEL

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TITLE
Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-16-07	A	1300-200A-12-2-06	-
CHECKED BY	DATE CHECKED			
JC	2/16/07			

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SCALE -

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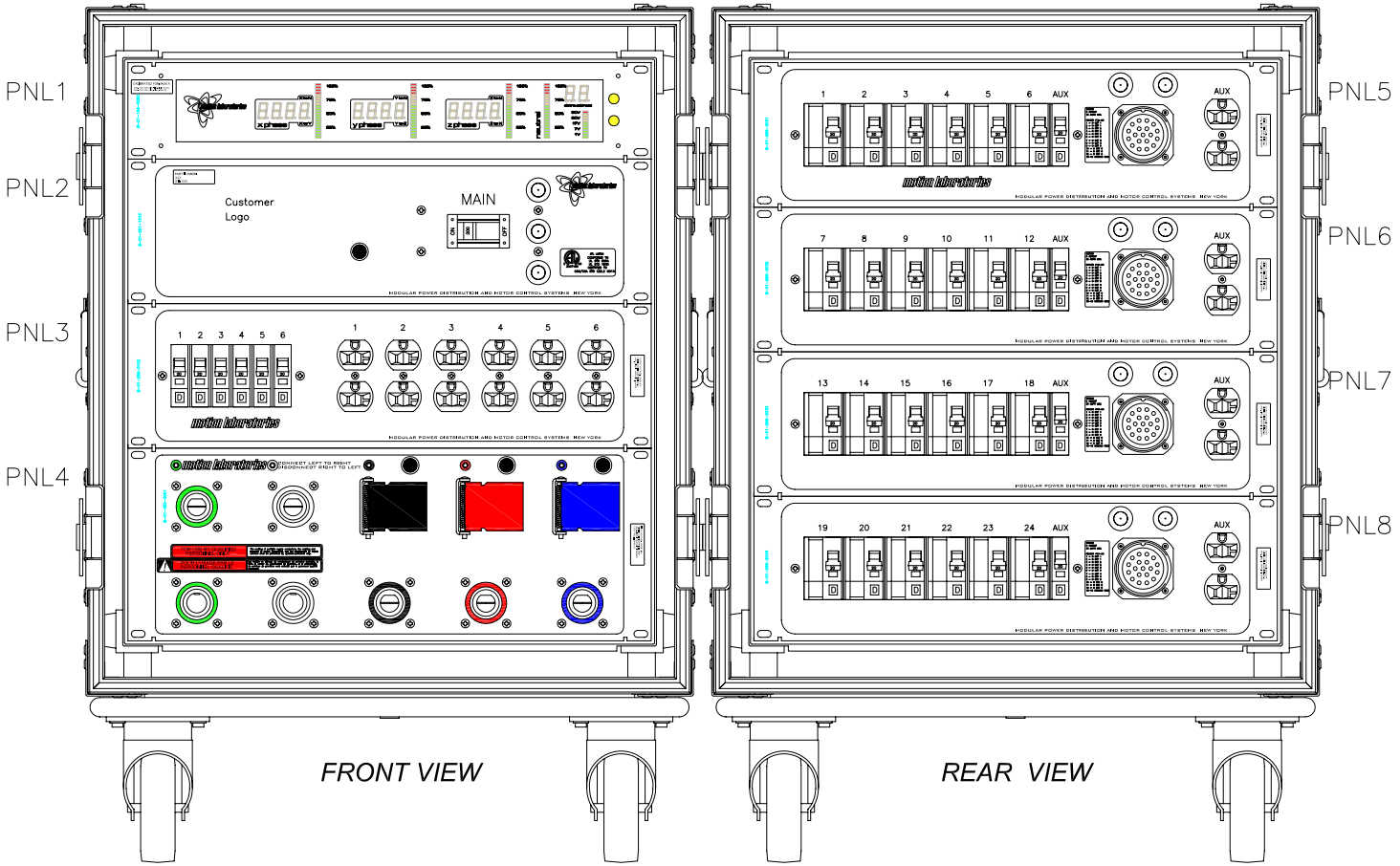

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1012	200A Main 3T
PNL3	B-01-258-0102	DP66, 1-6
PNL4	B-01-352-2001	CAM10 RGN 1T
PNL5	B-01-266-2031	SOC 131 2P20A, 1-6, GP06
PNL6	B-01-266-2032	SOC 131 2P20A, 7-12, GP06
PNL7	B-01-266-2033	SOC 131 2P20A, 13-18, GP06
PNL8	B-01-266-2034	SOC 131 2P20A, 19-24, GP06

208VAC, 24 CHANNEL

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TITLE
Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-16-07	A	1300-200A-12-2-08	-
CHECKED BY	DATE CHECKED			
JC	2/16/07			

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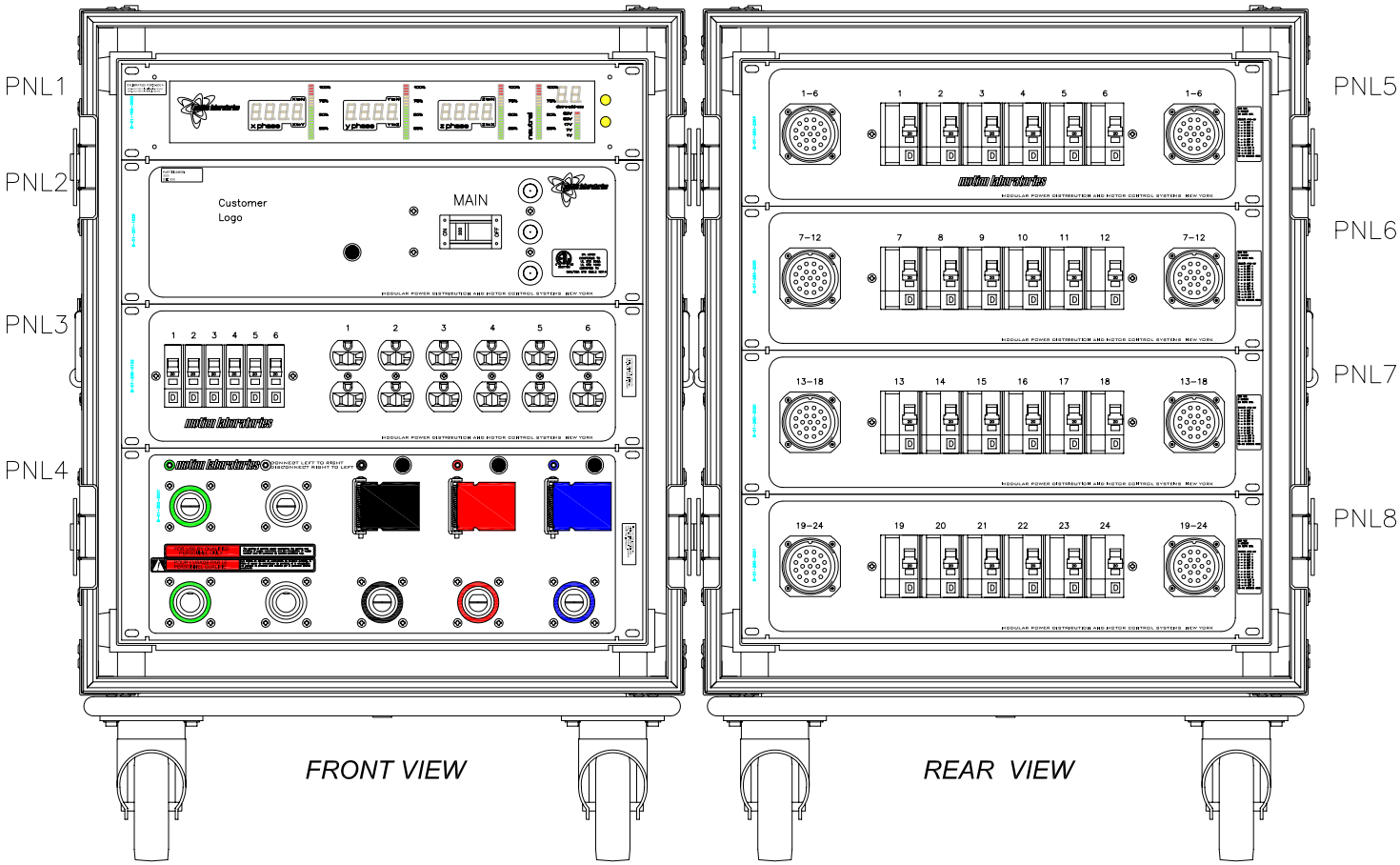

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1029	200A Main 4T
PNL3	B-01-258-0102	DP66 1-6
PNL4	B-01-352-2001	CAM10 RGN 1T
PNL5	B-01-260-2004	SOC122 2P20A 1-6
PNL6	B-01-260-2005	SOC122 2P20A 7-12
PNL7	B-01-260-2020	SOC122 2P20A 13-18
PNL8	B-01-260-2021	SOC122 2P20A 19-24

208VAC, 24 CHANNEL, PARALLEL

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TITLE
Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-16-07	A	1300-200A-12-2-10	-
CHECKED BY	DATE CHECKED			
JC	2/16/07			

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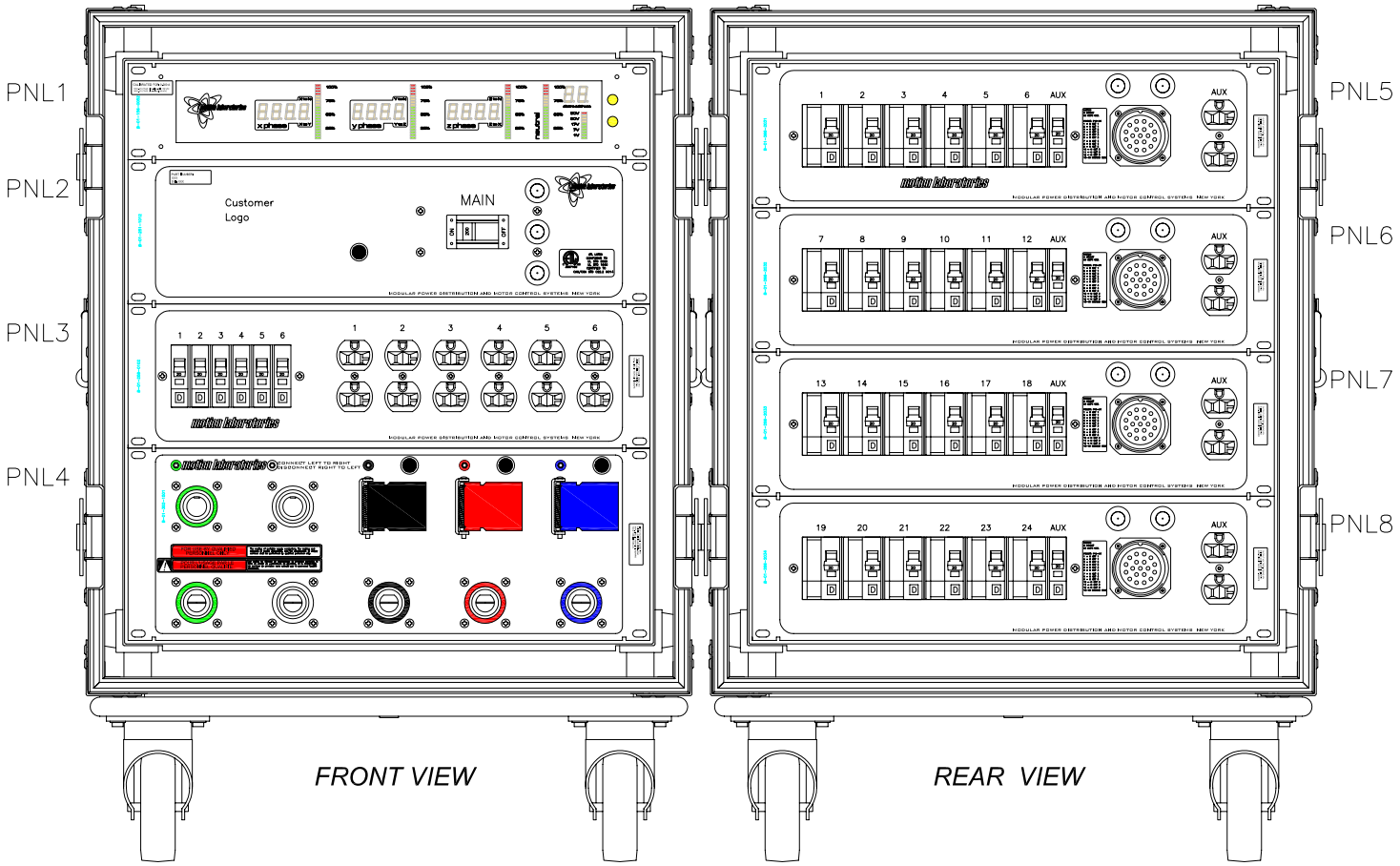

REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1012	200A Main 3T
PNL3	B-01-258-0102	DP66, 1-6
PNL4	B-01-352-1501	CAM10 MXF 1T
PNL5	B-01-266-2031	SOC 131 2P20A, 1-6, GP06
PNL6	B-01-266-2032	SOC 131 2P20A, 7-12, GP06
PNL7	B-01-266-2033	SOC 131 2P20A, 13-18, GP06
PNL8	B-01-266-2034	SOC 131 2P20A, 19-24, GP06

208VAC, 24 CHANNEL

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TITLE
Portable Power Distribution System installed in a 12RU-2 Sided NEMA 1 Steel Liner As shown with 12-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-16-07	A	1300-200A-12-2-13	-
CHECKED BY	DATE CHECKED			
JC	2/16/07			

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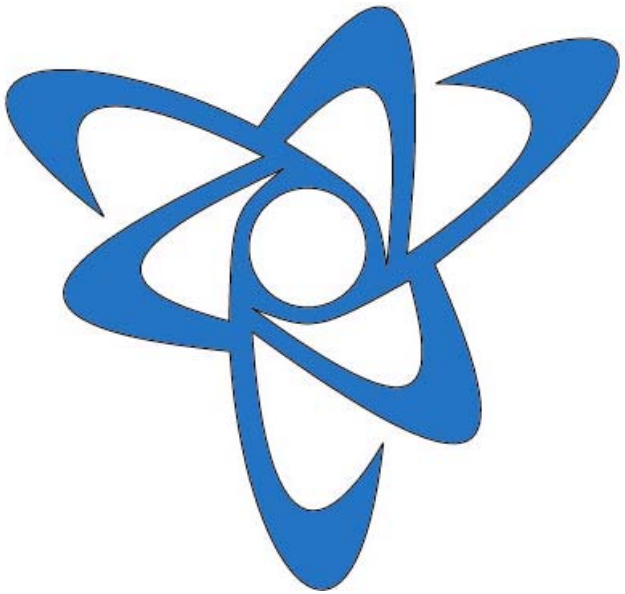
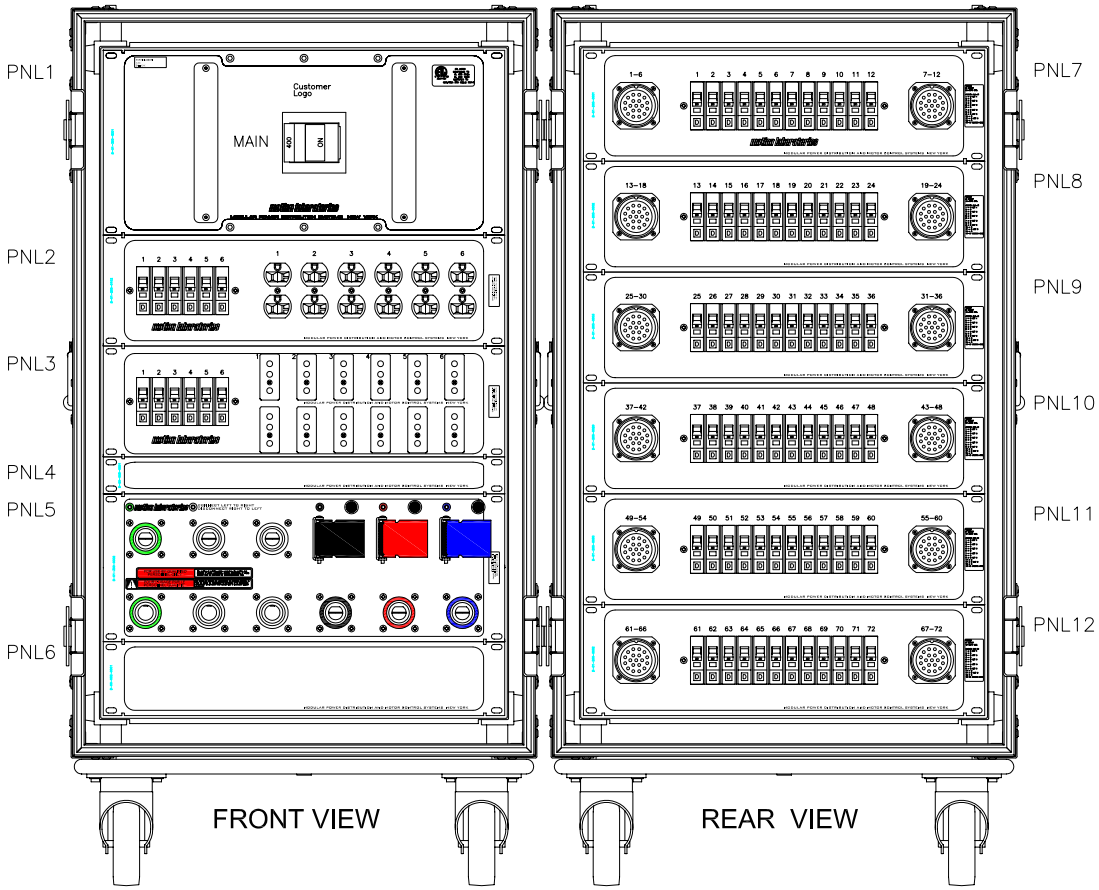
SCALE -

SHT 1 OF 1

Typical Lighting Distros
400A





REF	PART NUMBER	DESCRIPTION
PNL1	B-01-396-4001	400A Main
PNL2	B-01-258-0102	DP66 1-6
PNL3	B-01-264-0001	SP612 1-6
PNL4	B-90-003-0001	1 Space Flanged Blank
PNL5	B-01-356-0002	CAM12 RGN 1T
PNL6	B-90-052-0001	2 Space Flanged Blank
PNL7	B-01-260-0001	SOC122 1P20A 1-12
PNL8	B-01-260-0002	SOC122 1P20A 13-24
PNL9	B-01-260-0003	SOC122 1P20A 25-36
PNL10	B-01-260-0029	SOC122 1P20A 37-48
PNL11	B-01-260-0030	SOC122 1P20A 49-60
PNL12	B-01-260-0032	SOC122 1P20A 61-72

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TITLE
Portable Power Distribution System installed in a 18RU-2 Sided NEMA 1 Steel Liner As shown with 18-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-16-07	A	1300-400A-18-2-01	-
CHECKED BY	DATE CHECKED			
JC	2/16/07			

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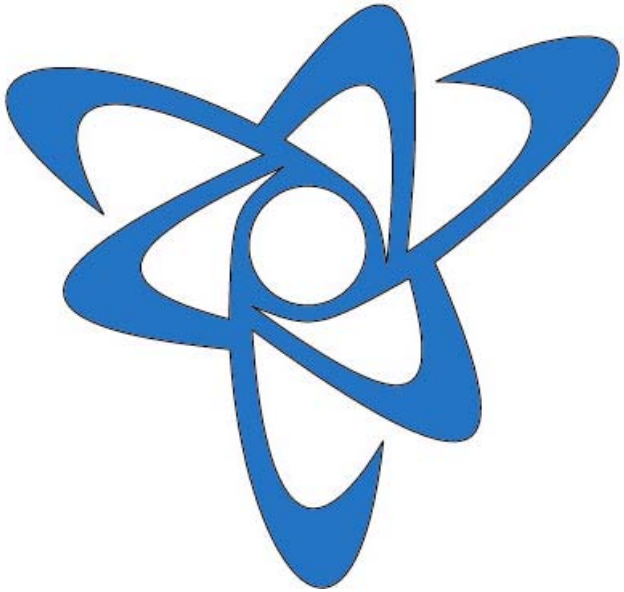
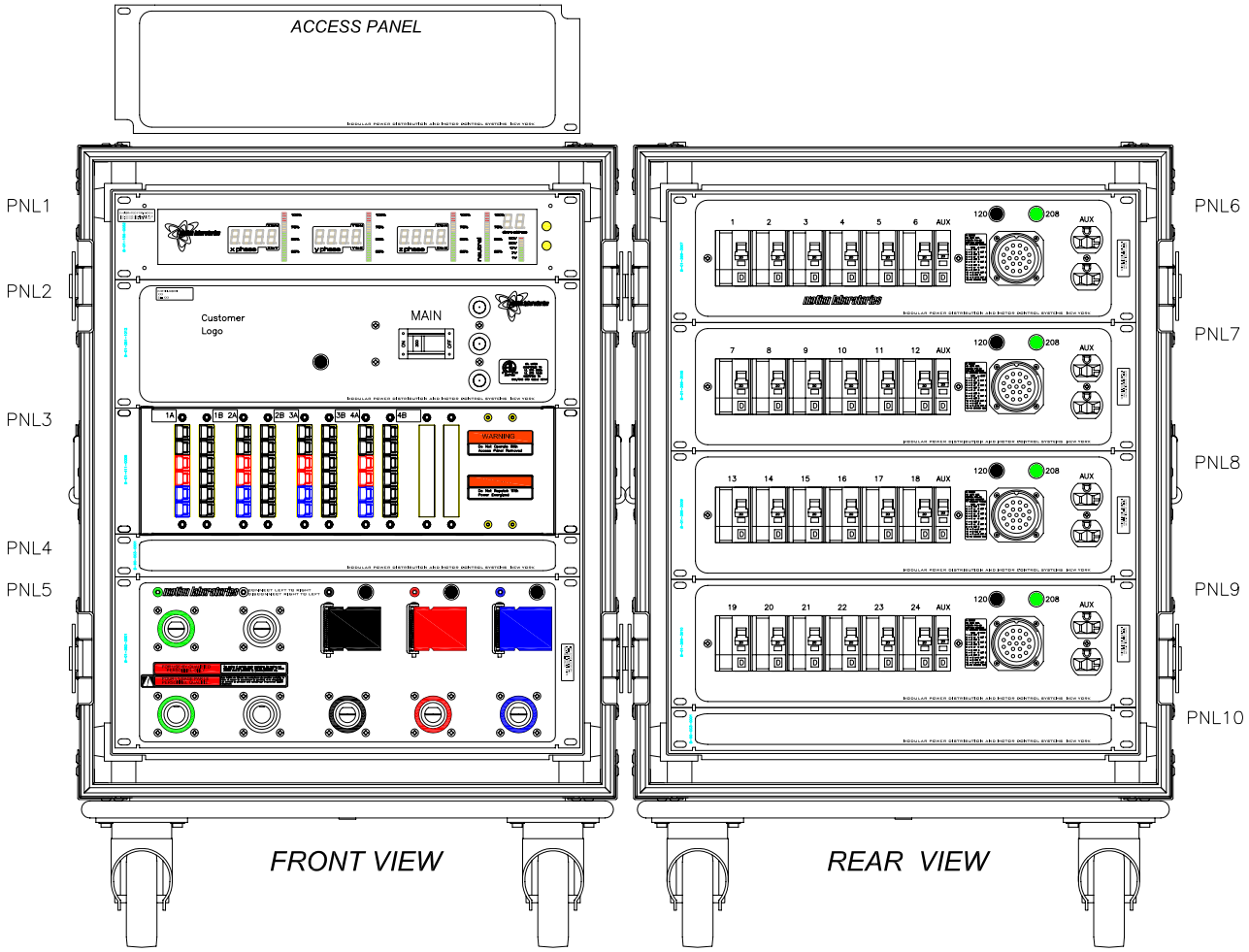
Typical Patchable Distros





REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1032	200A Main
PNL3	B-01-411-0006	4 Bay Hot Patch
PNL4, 10	B-90-003-0001	1 Space Flanged Blank
PNL5	B-01-352-2001	CAM10 RGN 1T
PNL6	B-01-266-3007	SOC 131D 2P Patch ,1-6
PNL7	B-01-266-3008	SOC 131D 2P Patch ,7-12
PNL8	B-01-266-3009	SOC 131D 2P Patch ,13-18
PNL9	B-01-266-3010	SOC 131D 2P Patch ,19-24

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TITLE
Portable Power Distribution System installed in a 13RU-2 Sided NEMA 1 Steel Liner As shown with 13-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-24-07	A	1300-PB-200P19-06	-
CHECKED BY	DATE CHECKED			
JC	2-24-07			

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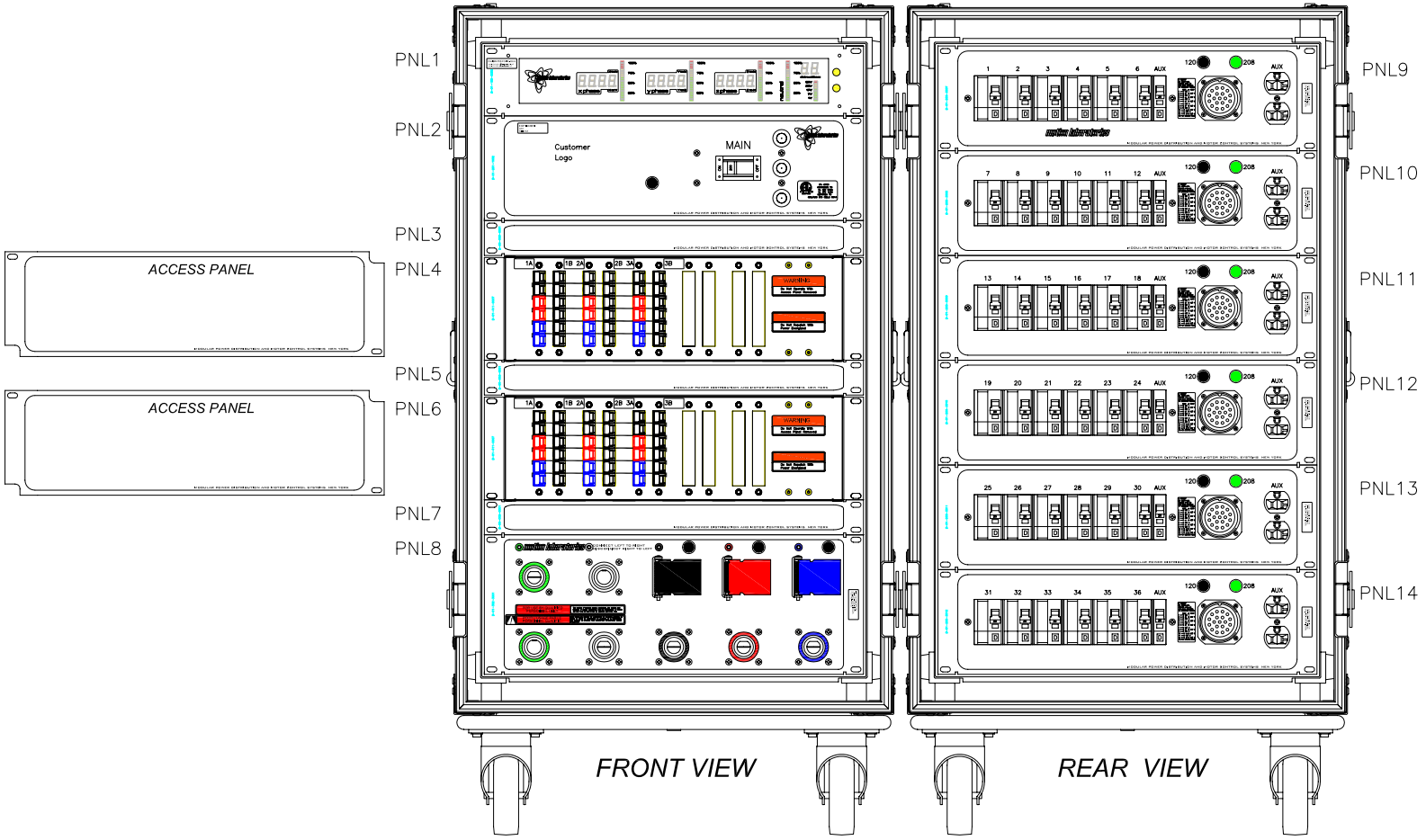
SCALE -

SHT 1 OF 1



REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0052	200A DVA
PNL2	B-01-251-1032	200A Main
PNL3, 5, 7	B-90-003-0001	1 Space Flanged Blank
PNL4, 6	B-01-411-0007	3 Bay Hot Patch
PNL8	B-01-352-3001	CAM10 RG 1T
PNL9	B-01-266-3007	SOC 131D 2P Patch ,1-6
PNL10	B-01-266-3008	SOC 131D 2P Patch ,7-12
PNL11	B-01-266-3009	SOC 131D 2P Patch ,13-18
PNL12	B-01-266-3010	SOC 131D 2P Patch ,19-24
PNL13	B-01-266-3011	SOC 131D 2P Patch ,25-30
PNL14	B-01-266-3012	SOC 131D 2P Patch ,31-36

motion laboratories
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TITLE
Portable Power Distribution System installed in a 18RU-2 Sided NEMA 1 Steel Liner As shown with 18-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-24-07	A	1300-PB-200P19-03	-
CHECKED BY	DATE CHECKED			
JC	2-24-07			

MODEL FILENAME & PATH
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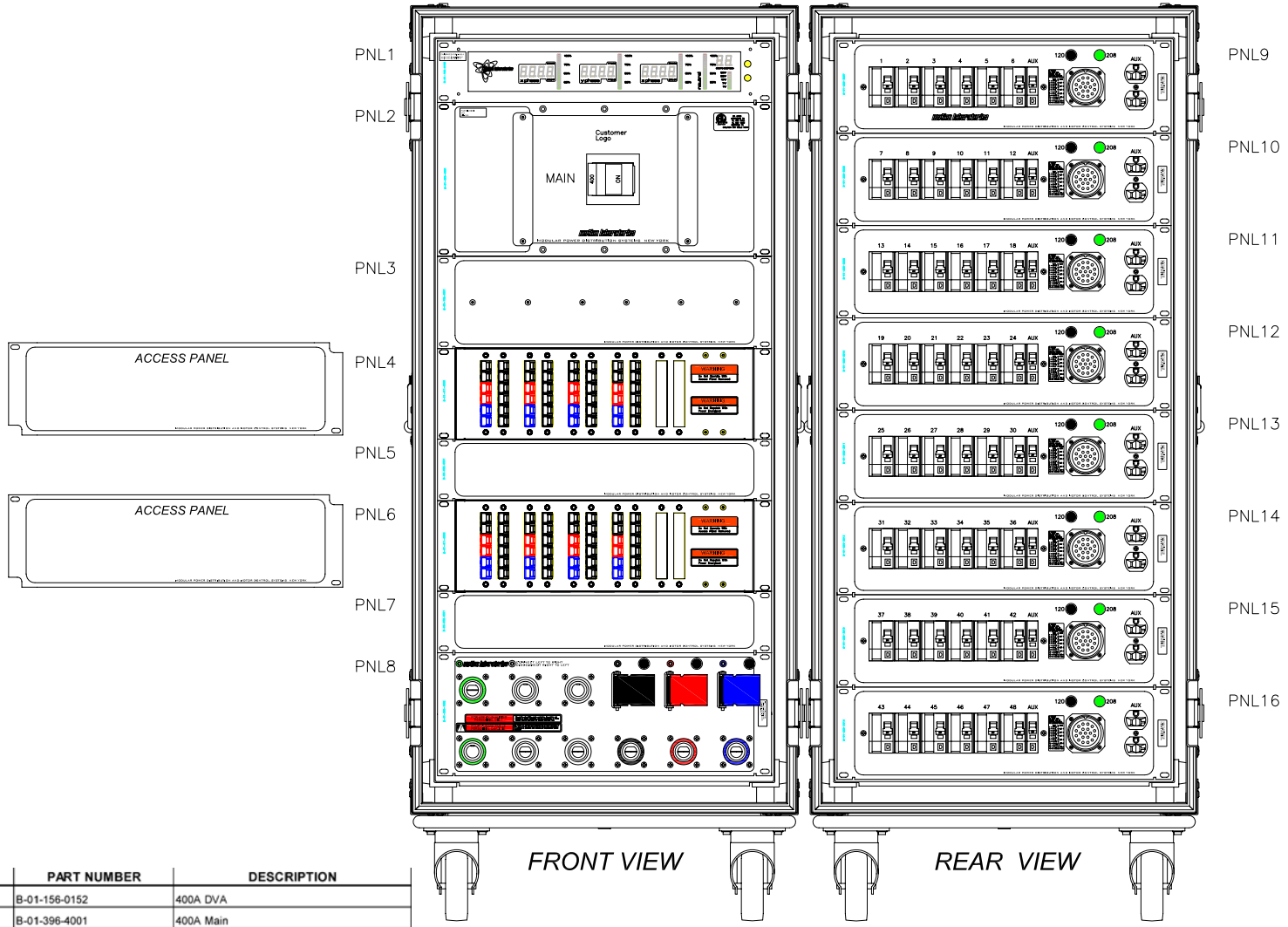
SCALE -

SHT 1 OF 1



REF	PART NUMBER	DESCRIPTION
PNL1	B-01-156-0152	400A DVA
PNL2	B-01-396-4001	400A Main
PNL3	B-90-102-0001	3 Space Flanged Blank
PNL4, 6	B-01-411-0006	4 Bay Hot Patch
PNL5, 7	B-90-052-0001	2 Space Flanged Blank
PNL8	B-01-356-1002	CAM12 RG 1T
PNL9	B-01-266-3007	SOC 131D 2P Patch ,1-6
PNL10	B-01-266-3008	SOC 131D 2P Patch ,7-12
PNL11	B-01-266-3009	SOC 131D 2P Patch ,13-18
PNL12	B-01-266-3010	SOC 131D 2P Patch ,19-24
PNL13	B-01-266-3011	SOC 131D 2P Patch ,25-30
PNL14	B-01-266-3012	SOC 131D 2P Patch ,31-36
PNL15	B-01-266-3013	SOC 131D 2P Patch ,37-42
PNL16	B-01-266-3014	SOC 131D 2P Patch ,43-48

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TITLE
Portable Power Distribution System installed in a 24RU-2 Sided NEMA 1 Steel Liner As shown with 24-2 31" Deep Shock Mount Road Case

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-24-07	A	1300-PB-400P19-01	-
CHECKED BY	DATE CHECKED			
JC	2-24-07			

MODEL FILENAME & PATH
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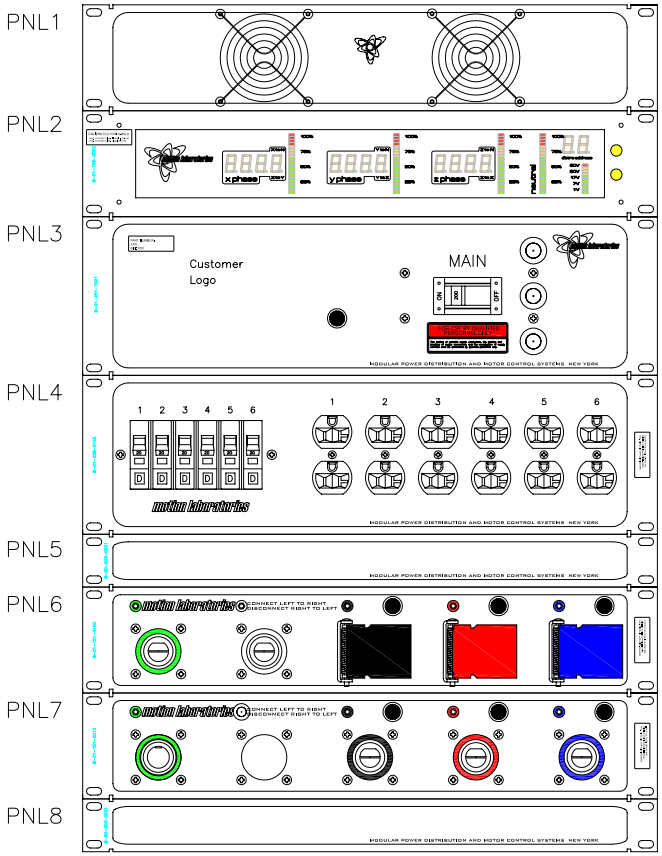
SCALE -

SHT 1 OF 1

motionlaboratories

power distribution and motor control systems

TRANSFORMERS



REF	PART NUMBER	DESCRIPTION
PNL1	1310-DUAL FAN PACK	Fan Pack
PNL2	B-01-156-0052	200A DVA
PNL3	B-01-251-1021	200A Main, 3P, 6' 3/0 tails
PNL4	B-01-258-0102	DP66 1-6
PNL5	B-90-003-0001	1 space flanged blank
PNL6	B-01-151-4100	Cam 5FRGN output, 3 doors
PNL7	B-01-151-2012	Cam 4M Input, RG, XYZ
PNL8	B-90-003-0001	1 space flanged blank

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TITLE
Transformer Panel Assembly

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-24-07	A	1300-ISOT-0001	-
CHECKED BY	DATE CHECKED			
JC	2-24-07			

MODEL FILENAME & PATH
V:\Assembly Drawings\ Final Assembly\TRANSFORMERS\1300-ISOT-0001.RevB.dwg

SCALE -

SHT 1 OF 1

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power distribution and motor control systems

RAC PACS AND STRINGERS

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About Rac Pacs

Motion Laboratories' Rac Pacs are designed to create a power distribution alternative for satellite equipment racks. You have the ability to choose how the system is configured. Select any standard NEMA Twist-Lock connector as your input and pick from a range of standard output Edison Duplex and Twist-Lock combinations.

Space is often tight in many amplifier and equipment racks, sometimes making the back of the Rac Pac inaccessible. For convenience our 1100-3-SERIES includes the option of mounting the output connectors on the top or the bottom of the enclosure.

Input connector choices range from 15A-50A (Single Phase & Three Phase).

Dimensions

1100-1-SERIES 1RU
1100-2-SERIES 2RU
1100-3-SERIES 3RU
1125-7-SERIES 7RU

**NOTE: All other dimensions of actual units are indicated in the title block.*

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About Stringers

Like the Rac Pac the Stringer is designed to be versatile. Our Stringers may be chained together to power multiple circuits in any configuration that you can come up with. Reconfiguring your system becomes as easy as picking up and plugging in.

Output options consist of Edison Duplexes, Stage Pin or Power-Con Receptacles and Twist-Locking Devices.

All Stringers come standard with rubber feet for floor use, but can be outfitted with clamps for truss mounting upon request (additional).

Dimensions

1111-SERIES
Breakered Stringer
6.75"H x 5.55"W x 17"L

1110-SERIES
Non-Breakered Stringer
4.5"H x 3.75"W x 15.5"L

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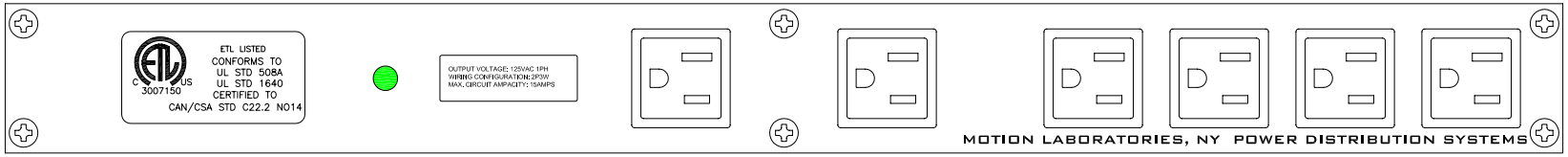
power distribution and motor control systems

1 SPACE RAC PACS

Front View

Rear View



motionlaboratories
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800-227-6784

TITLE

RP1, 1RU, 19" Rack Mount, Chassis Depth 3.75" , Power Con In/Thru, 6 x 15A Edison

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
GMF	13 FEB 07	A	1100-1-A1A1-A6	-
CHECKED BY	DATE CHECKED			
PH	2-16-07			

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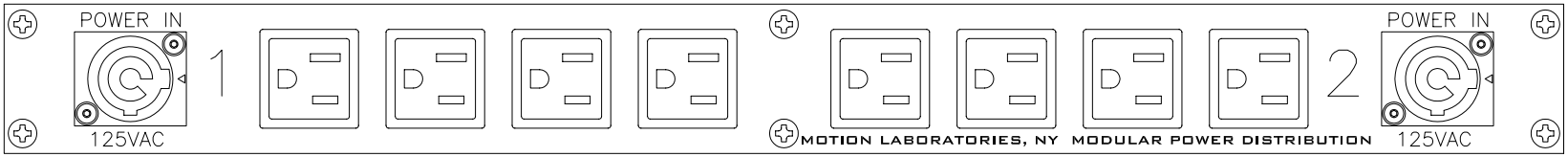
SCALE: -

SHT: 1 OF 1

Front View

Rear View



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TITLE

RP1, 1RU, 19" Rack Mount, Chassis Depth 3.75", 2X Power Con In, 8 x 15A Edison

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
GMF	14 FEB 07	A	1100-1-2A-D8	-
CHECKED BY	DATE CHECKED			

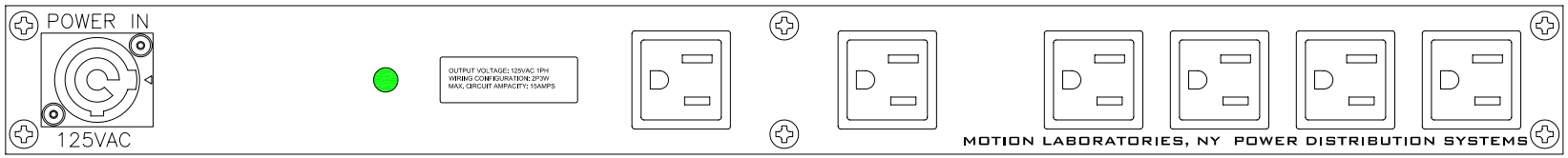
MODEL FILENAME & PATH: V:\Assembly Drawings\Rac Pacs\1100-1-2A-D8.dwg

SCALE: ---

SHT: 1 OF 1

Front View

Rear View



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TITLE	DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
RP1, 1RU, 19" Rack Mount, Chassis Depth 3.75", Power Con In Rear, 6 x 15A Edison	GMF	15 FEB 07	A	1100-1-Duplex	-
	CHECKED BY	DATE CHECKED			
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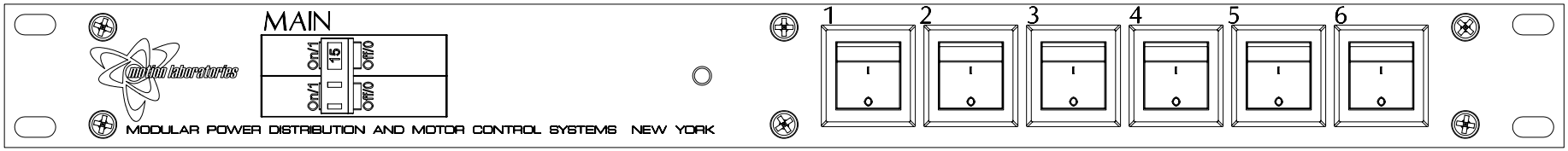
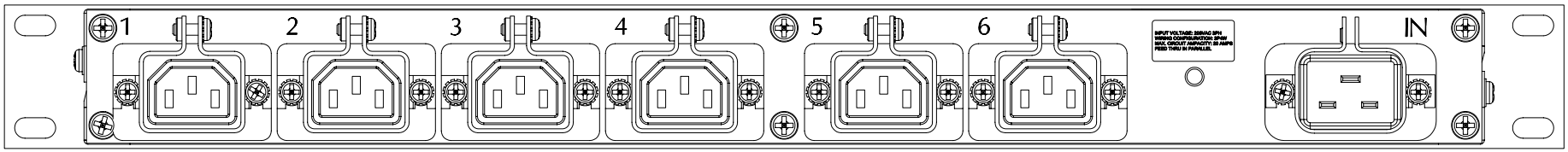
Front View



Rear View



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TITLE
RacPac, 1Space, 3.75" Deep,
IEC C19 input, 6 IEC Sheet E
Switched Outputs

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
GMF	17 FEB 07	A	1100-1-W#-W-01	A
CHECKED BY	DATE CHECKED			

MODEL FILENAME & PATH
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SCALE ---

SHT 1 OF 1

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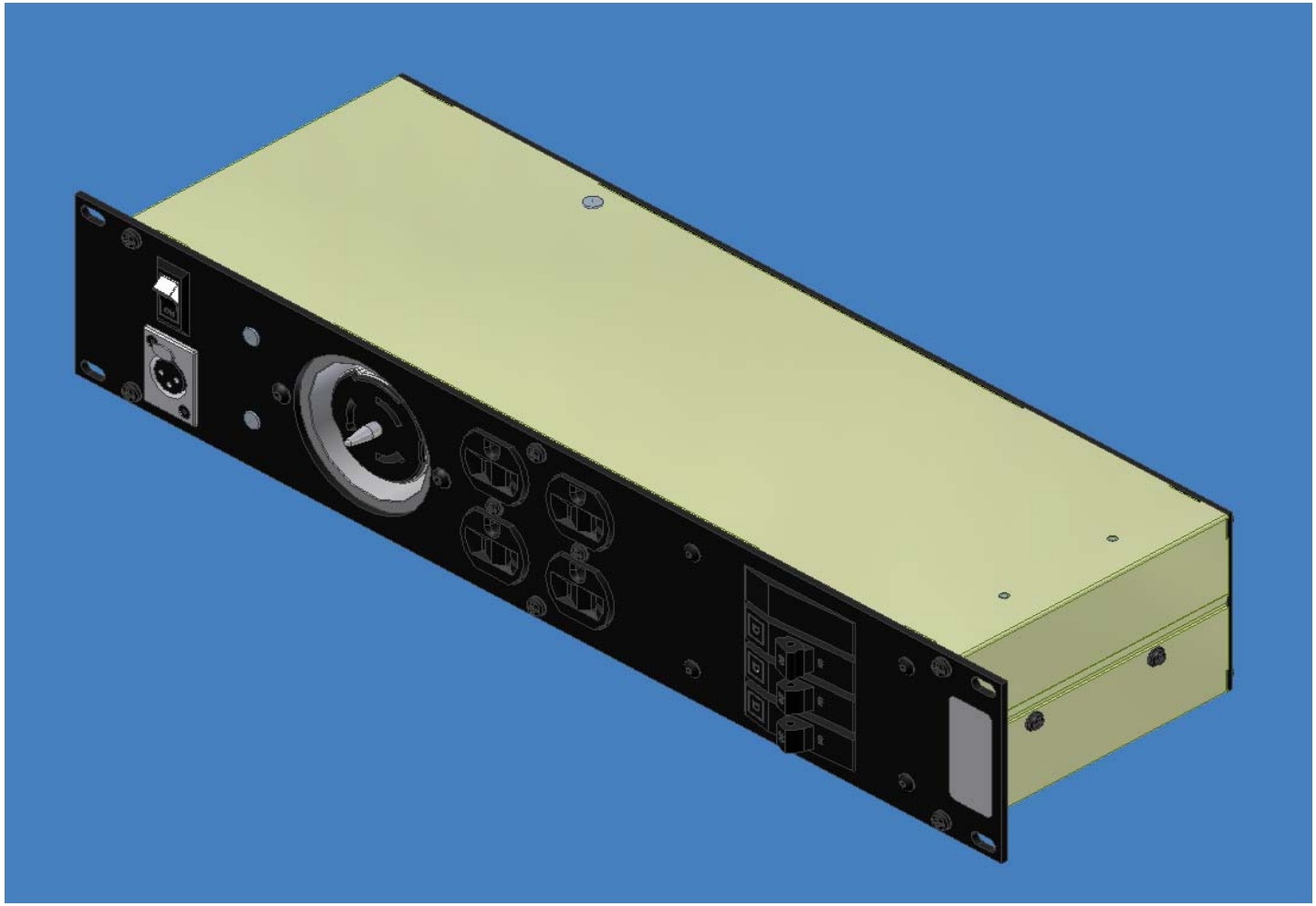
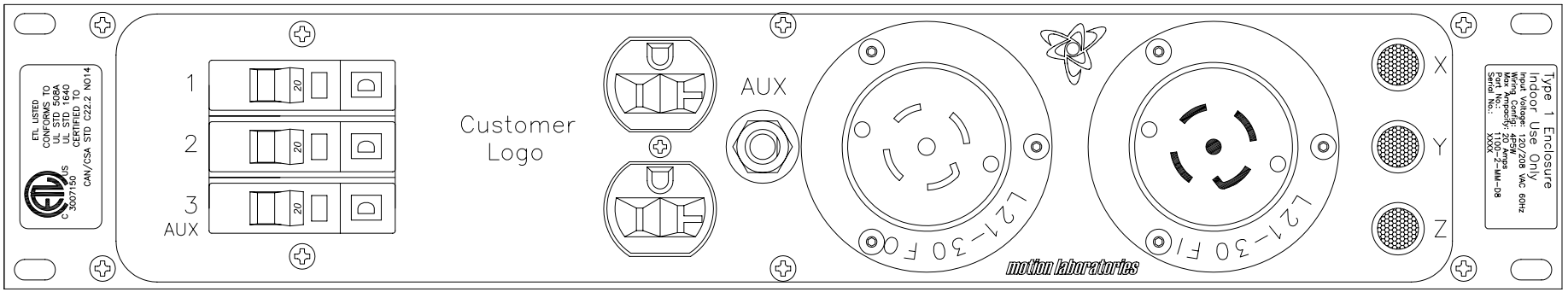
power distribution and motor control systems

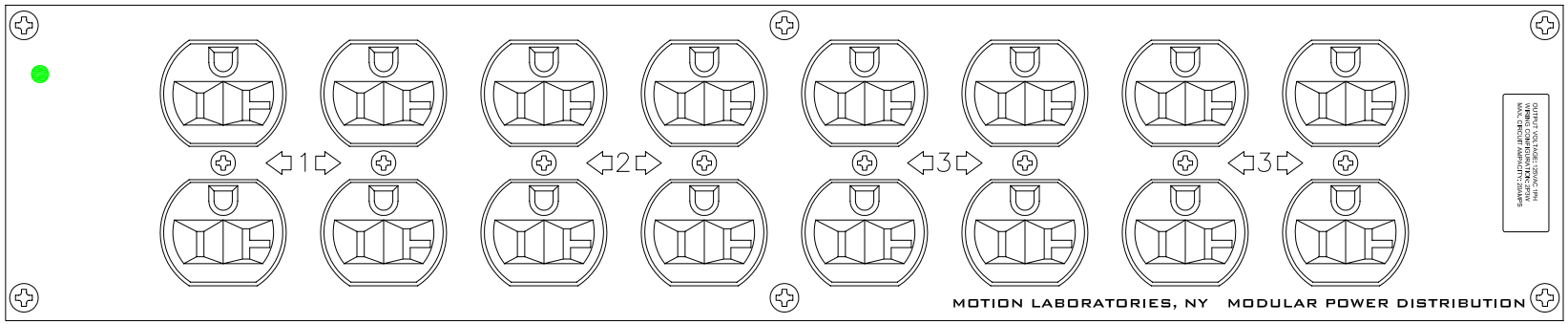
2 SPACE RAC PACS



Front View



Rear View



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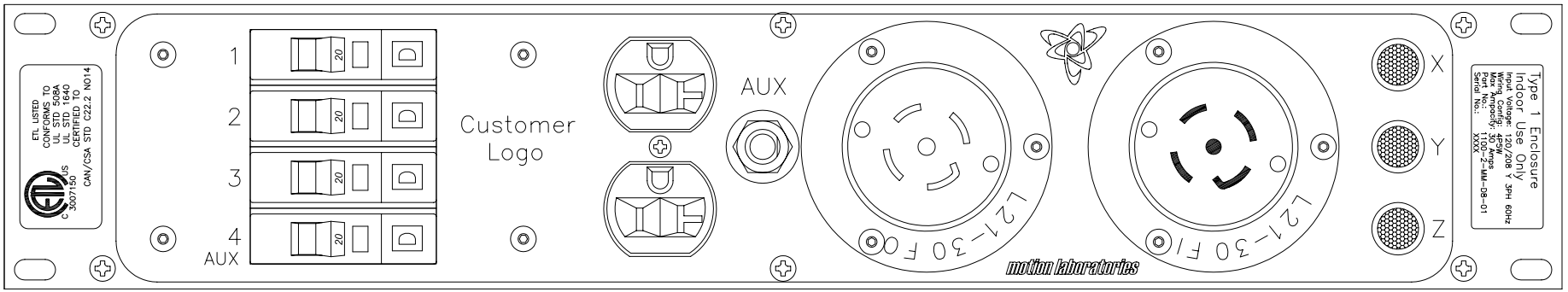
TITLE	DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
RP2, 2RU, 19" Rack Mount, Chassis Depth 5.5", L21-30 I/O, 8 x 20A Duplex	DH	14 FEB 07	A	1100-2-MM-D8	D
	CHECKED BY: PH	DATE CHECKED: 2-16-07			

MODEL FILENAME & PATH: V:\Assembly Drawings\Rac Pacs\2sp Rac Pacs\Final Assembly\1100-2-MM-D8.RevD.dwg

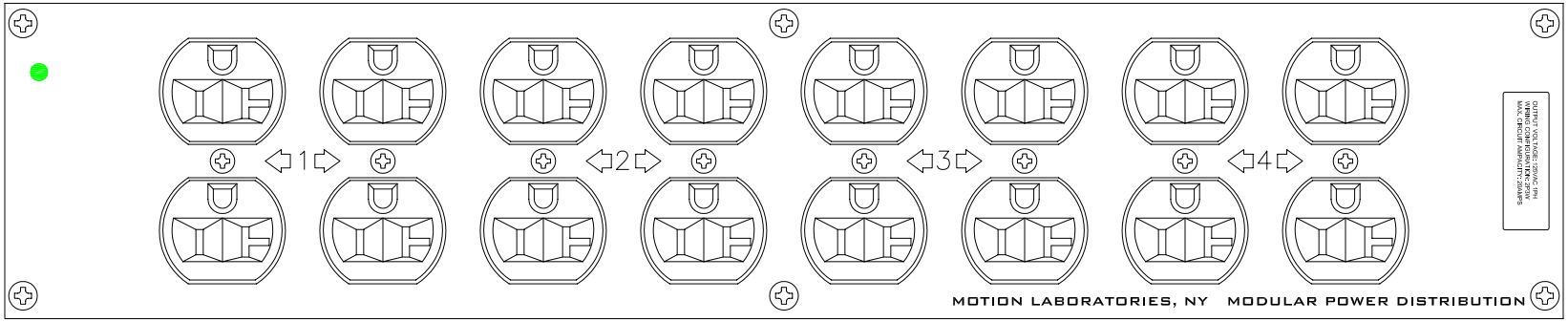
SCALE: -

SHT: 1 OF 1

Front View



Rear View



motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP2, 2RU, 19" Rack Mount, Chassis Depth 5.5", L21-30 I/O, 8 x 20A Duplex*	DRAWN BY DH	DATE DRAWN 15 FEB 07	SIZE A	DRAWING NUMBER 1100-2-MM-D8-01	REV C
		CHECKED BY PH	DATE CHECKED 2-16-07			
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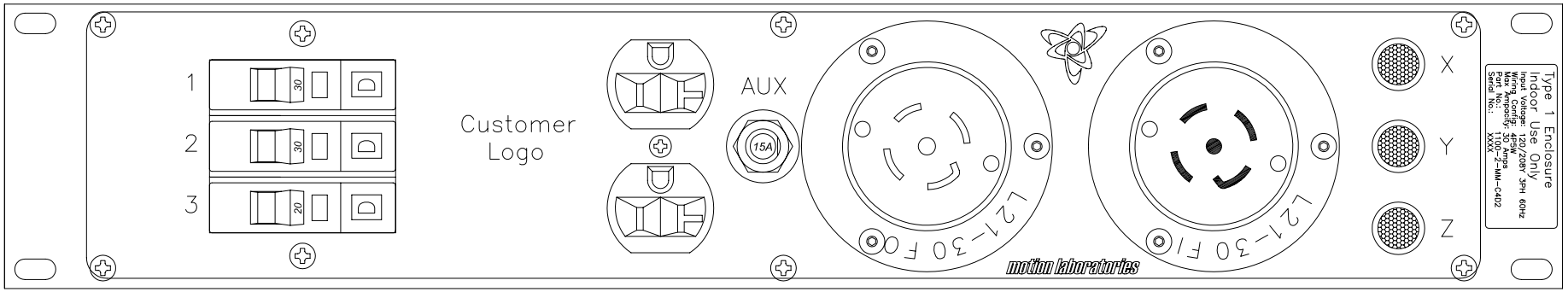
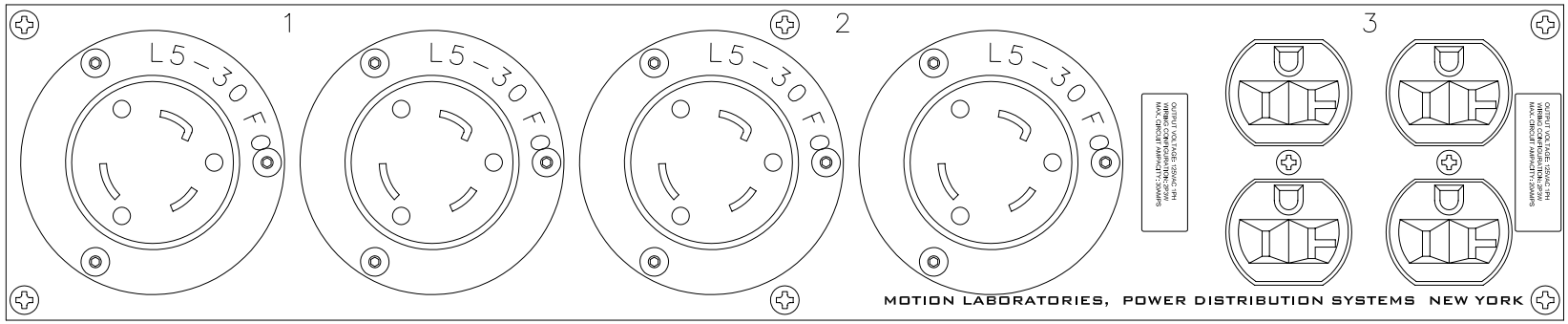
Front View



Rear View



motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP2, 2RU, 19" Rack Mount, Chassis Depth 5.5", L21-30 I/O, 4x L5-30, 2 x 20A Duplex*	DRAWN BY DH	DATE DRAWN 15 FEB 07	SIZE A	DRAWING NUMBER 1100-2-MM-C4D2
		CHECKED BY PH	DATE CHECKED 2-16-07		REV -
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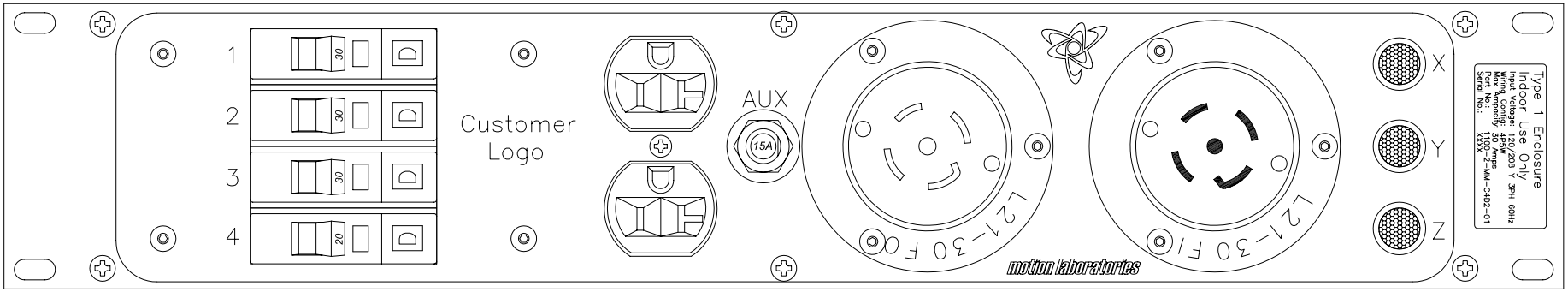
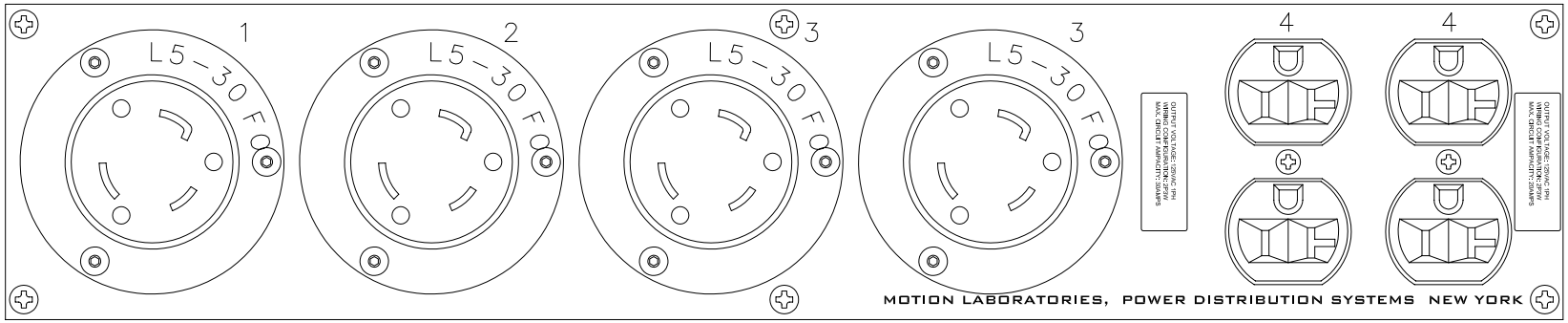
Front View



Rear View



motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP2, 2RU, 19" Rack Mount, Chassis Depth 5.5", L21-30 I/O, 4x L5-30, 2 x 20A Duplex*	DRAWN BY DH	DATE DRAWN 15 FEB 07	SIZE A	DRAWING NUMBER 1100-2-MM-C4D2-01
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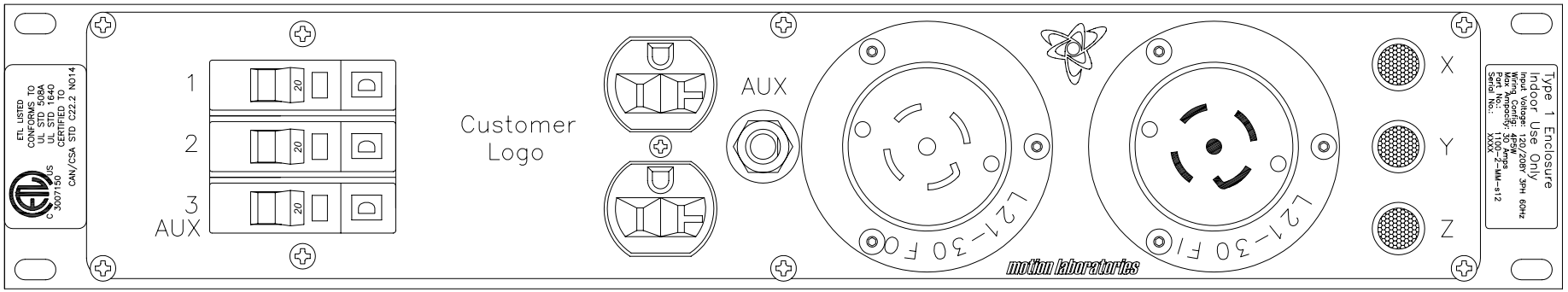
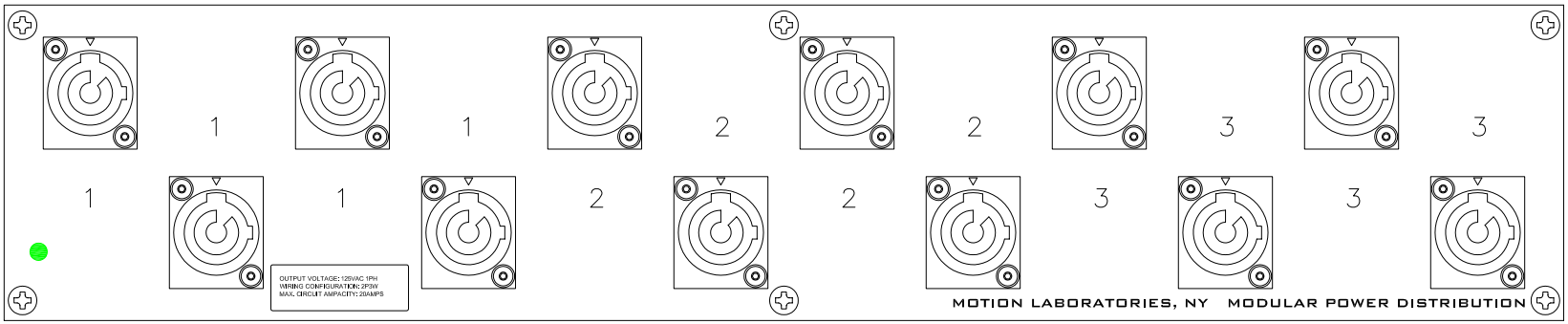
Front View



Rear View



motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP2, 2RU, 19" Rack Mount, Chassis Depth 5.5", L21-30 I/O, 12 x 20A Power Con*	DRAWN BY DH	DATE DRAWN 15 FEB 07	SIZE A	DRAWING NUMBER 1100-2-MM-s12
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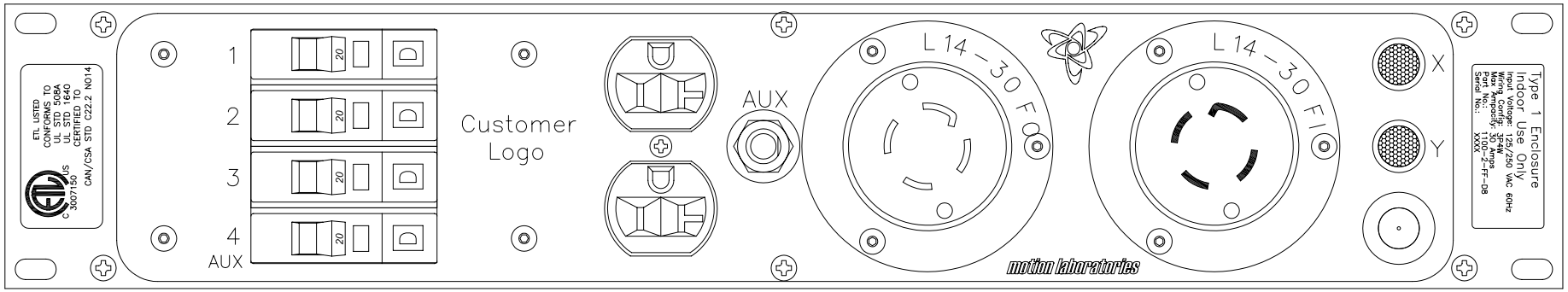
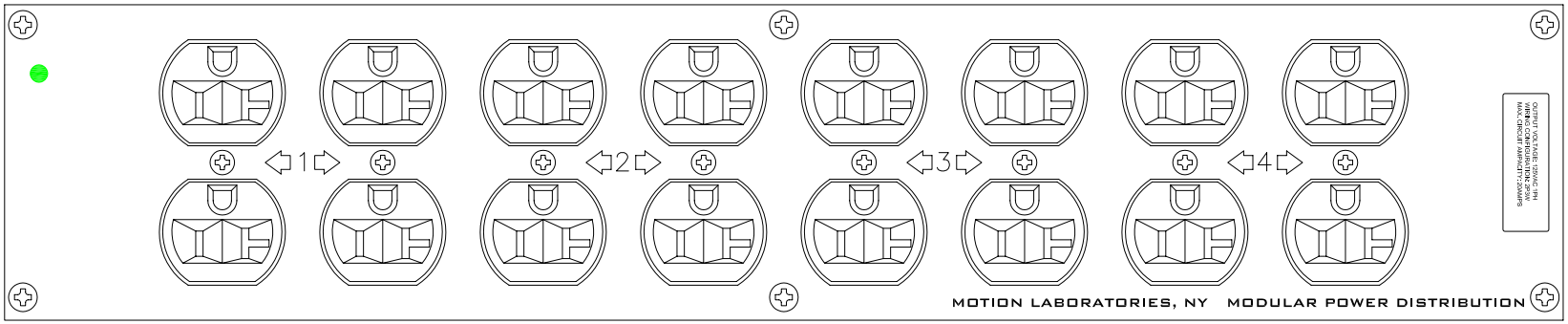
Front View



Rear View



motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP2, 2RU, 19" Rack Mount, Chassis Depth 5.5", L14-30 I/O, 8 x 20A Duplex*	DRAWN BY DH	DATE DRAWN 15 FEB 07	SIZE A	DRAWING NUMBER 1100-2-FF-D8
		CHECKED BY PH	DATE CHECKED 2-16-07		REV C
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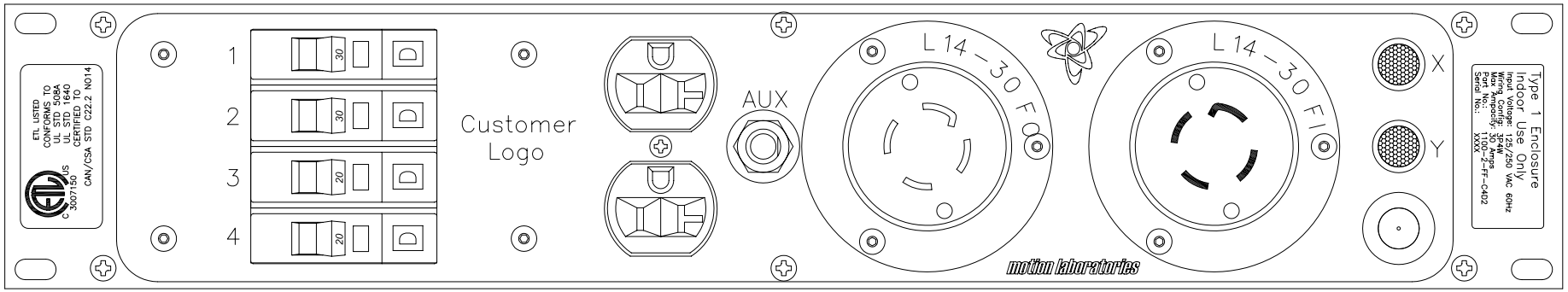
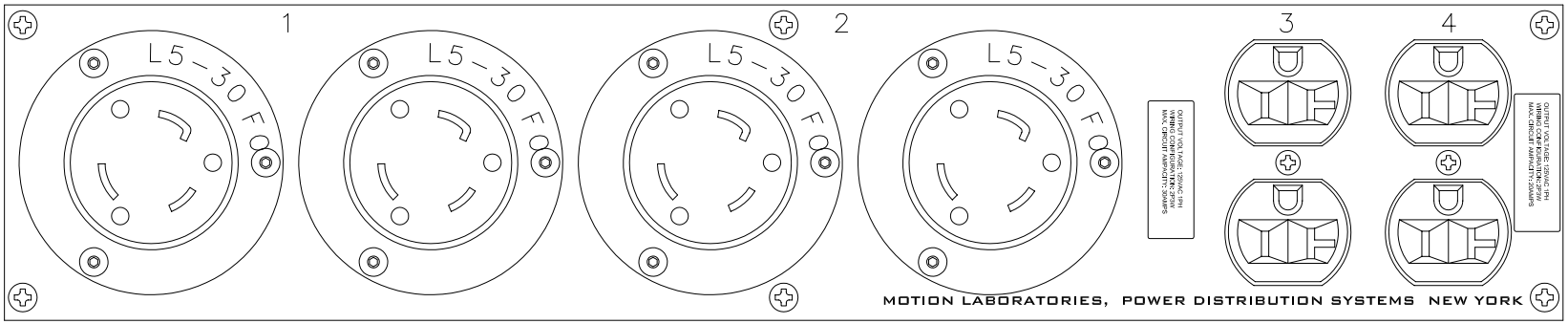
Front View



Rear View



motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP2, 2RU, 19" Rack Mount, Chassis Depth 5.5", L14-30 I/O, 4x L5-30, 2 x 20A Duplex*	DRAWN BY DH	DATE DRAWN 15 FEB 07	SIZE A	DRAWING NUMBER 1100-2-FF-C4D2
		CHECKED BY PH	DATE CHECKED 2-16-07		REV B
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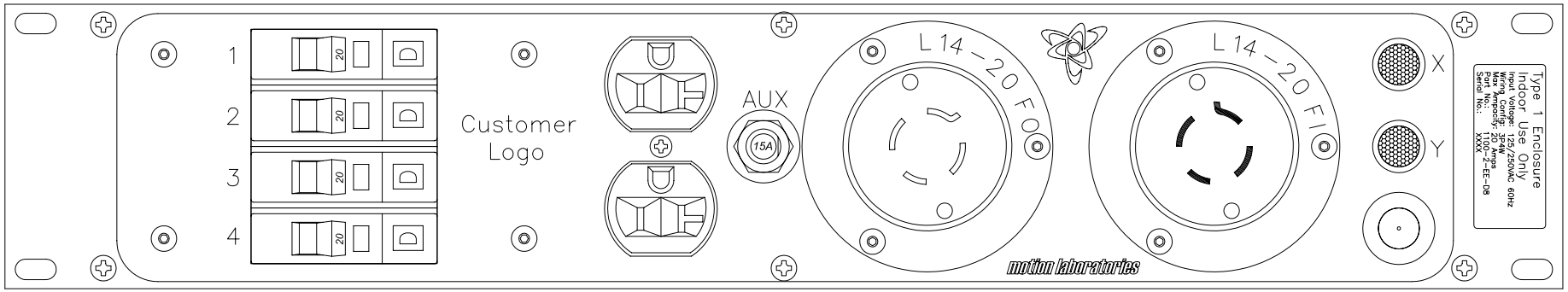
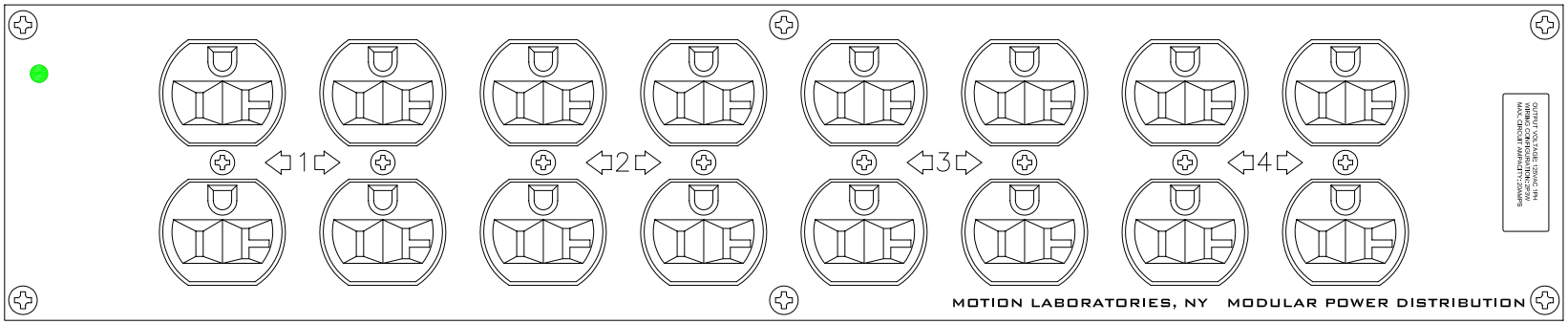
Front View



Rear View



motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP2, 2RU, 19" Rack Mount, Chassis Depth 5.5", L14-20 I/O, 8 x 20A Duplex*	DRAWN BY DH	DATE DRAWN 15 FEB 07	SIZE A	DRAWING NUMBER 1100-2-EE-D8
		CHECKED BY PH	DATE CHECKED 2-16-07		REV B
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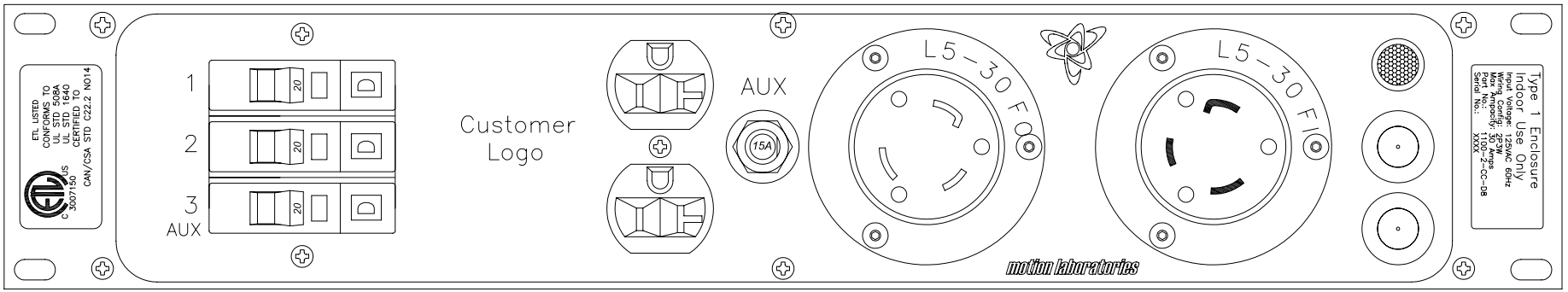
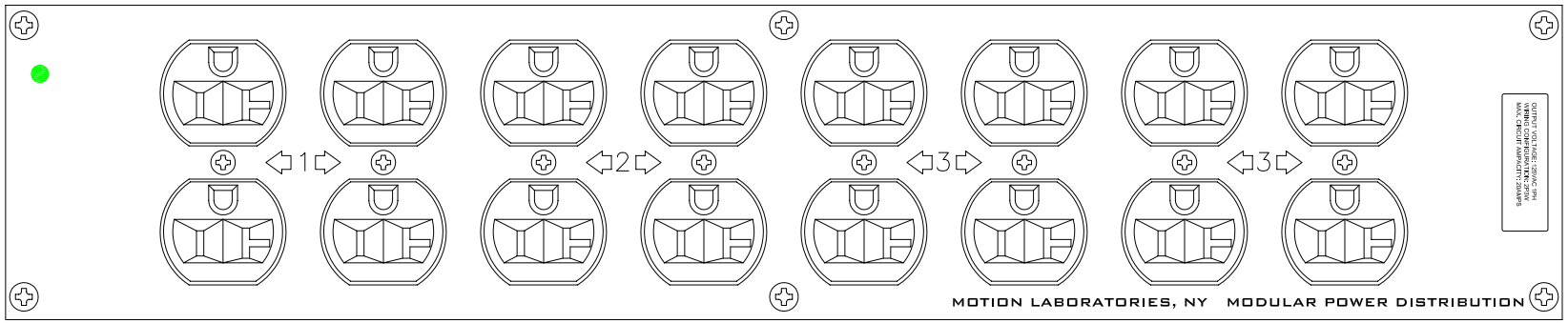
Front View



Rear View



motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
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TITLE	DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
RP2, 2RU, 19" Rack Mount, Chassis Depth 5.5", L5-30 I/O, 8 x 20A Duplex	DH	14 FEB 07	A	1100-2-CC-D8	B
	CHECKED BY: PH	DATE CHECKED: 2-16-07			

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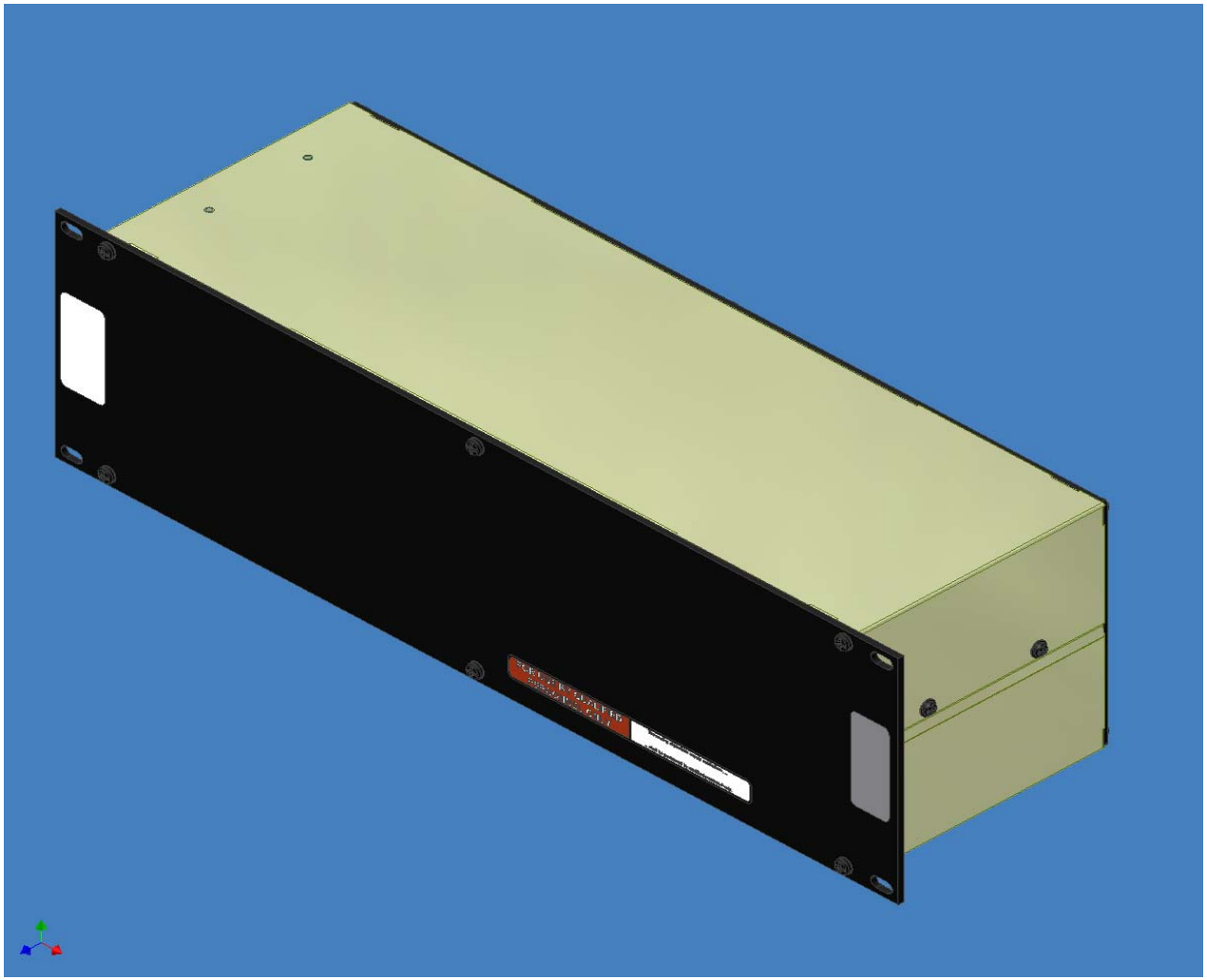
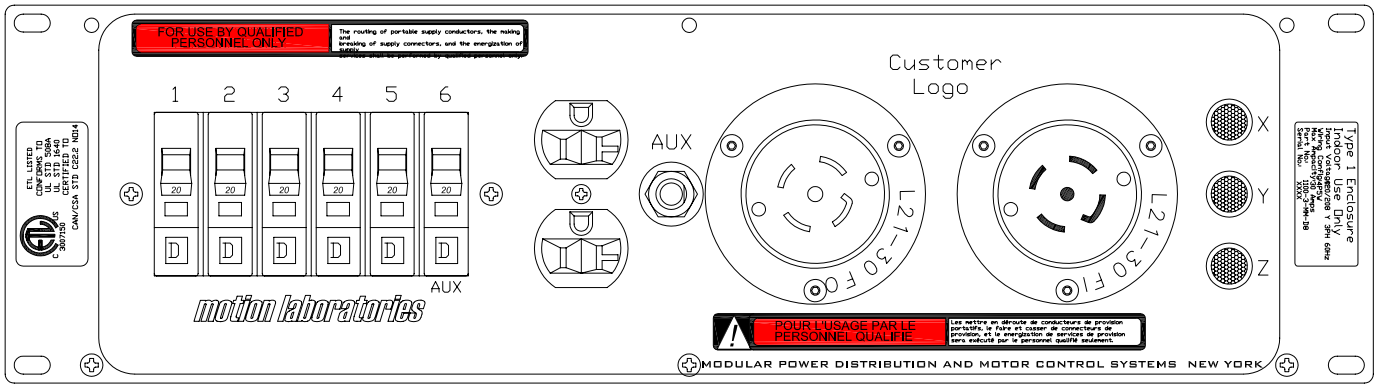
motionlaboratories

power distribution and motor control systems

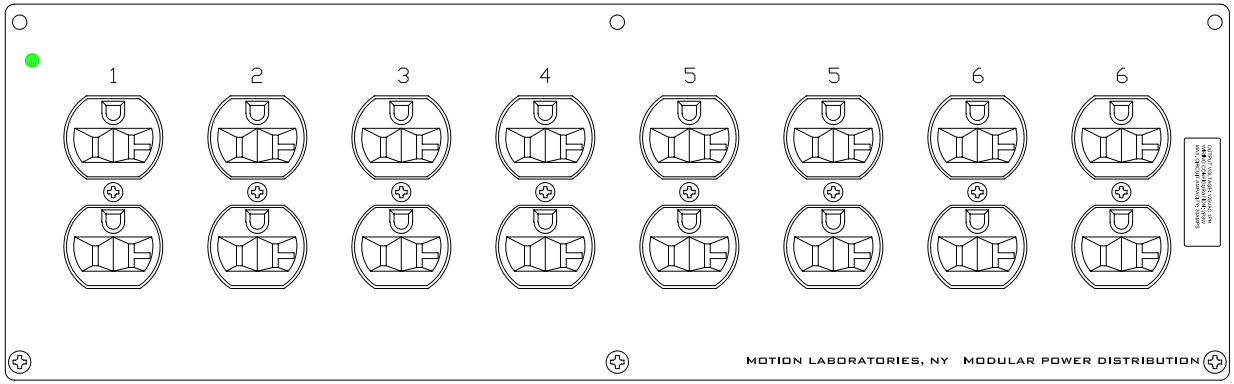
3 SPACE RAC PACS



Front View

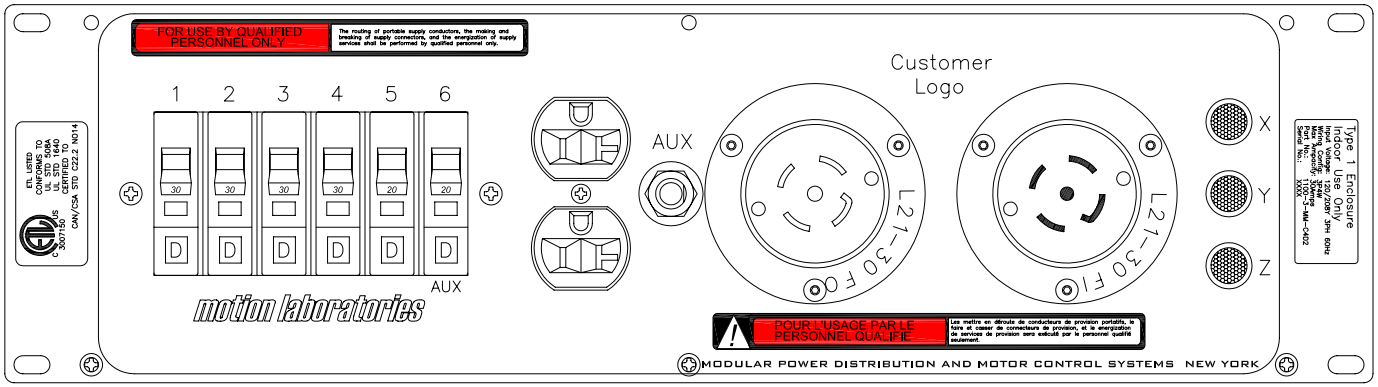


Rear View

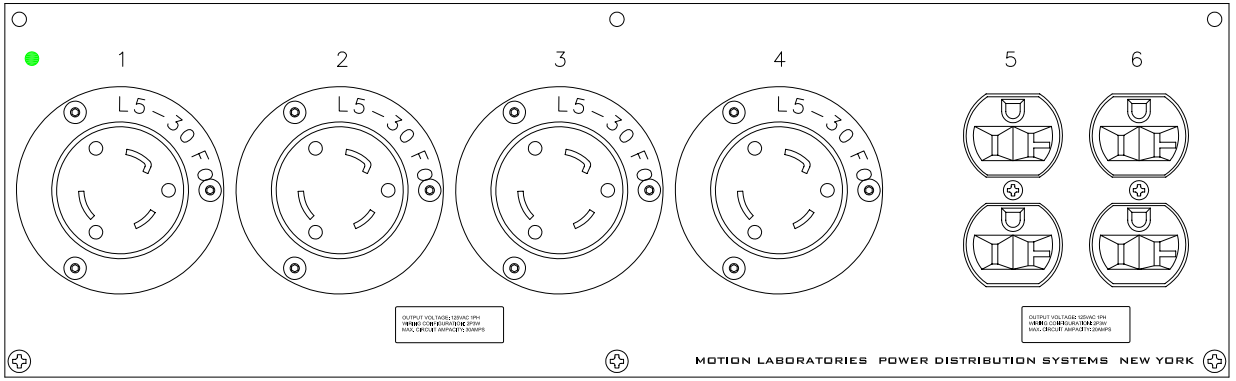


motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP3, 3RU, 19" Rack Mount, Chassis Depth 5.5", L21-30 I/O, 8 x 20A Duplex*	DRAWN BY GMF	DATE DRAWN 15 FEB 07	SIZE A	DRAWING NUMBER 1100-3-MM-D8 / REV D
		CHECKED BY PH	DATE CHECKED 2-16-07		
		MODEL FILENAME & PATH V:\Assembly Drawings\Rac Pacs\3sp Rac Pacs\Final Assembly\1100-3-MM-D8.RevD.dwg		SCALE ---	SHT 1 OF 1

Front View

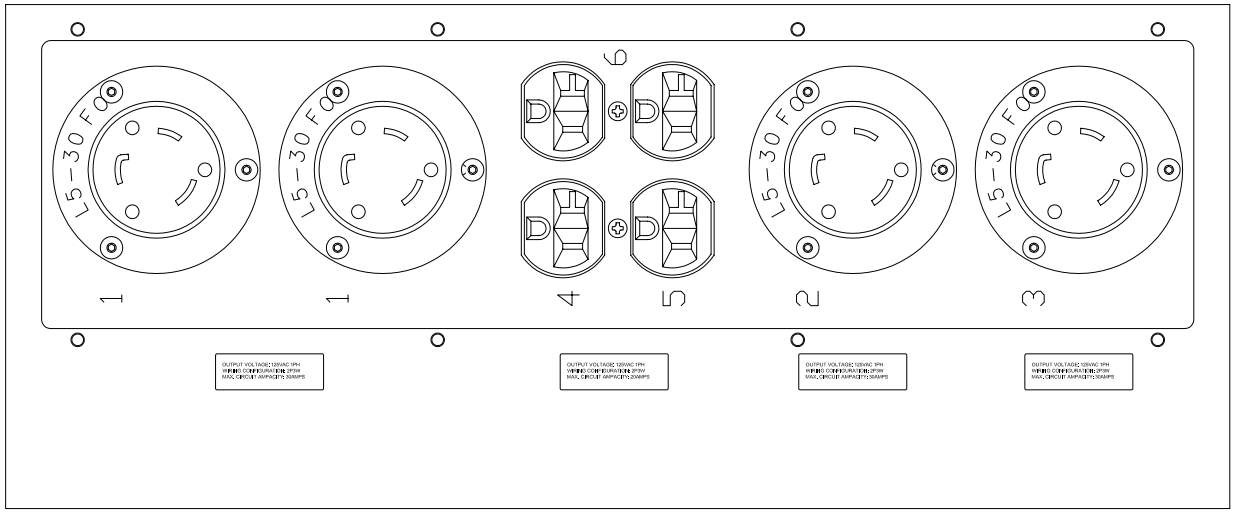


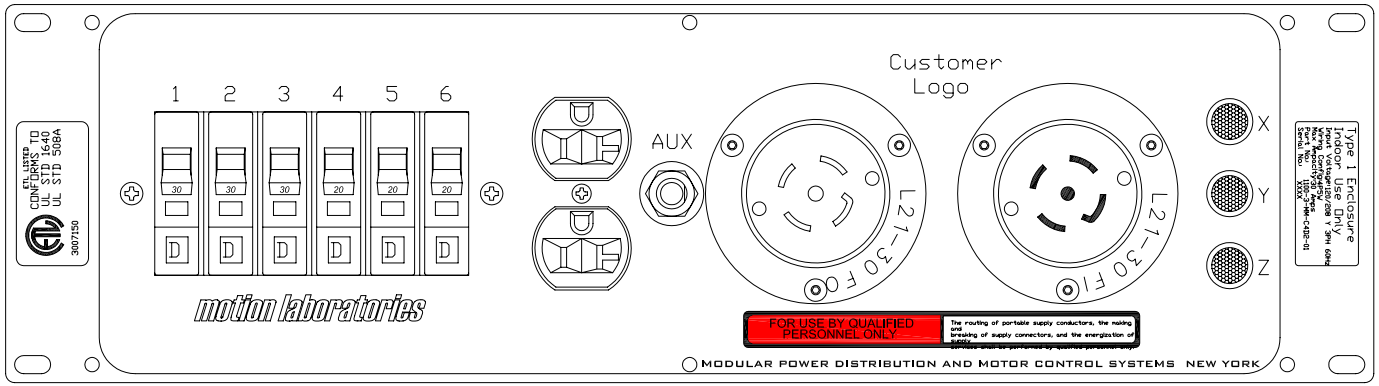
Rear View



motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP3, 3RU, 19" Rack Mount, Chassis Depth 5.5", L21-30 I/O, 4 x L5-30, 2 x 20A Duplex*	DRAWN BY GMF	DATE DRAWN 15 FEB 07	SIZE A	DRAWING NUMBER 1100-3-MM-C4D2	REV D
		CHECKED BY PH	DATE CHECKED 2-16-07			
		MODEL FILENAME & PATH V:\Assembly Drawings\Rac Pacs\3sp Rac Pacs\Final Assembly\1100-3-MM-C4D2.RevD.dwg		SCALE ----	SHT 1 OF 1	

Top View

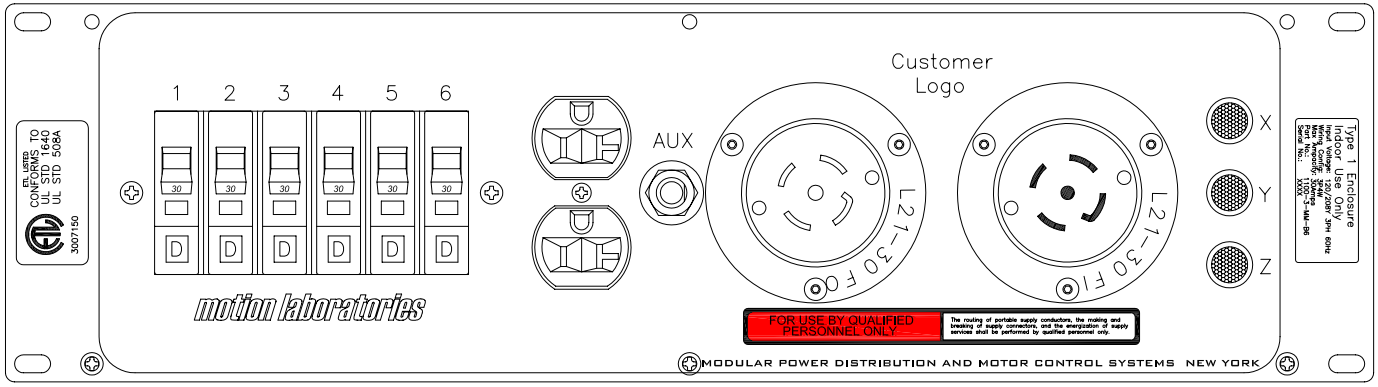




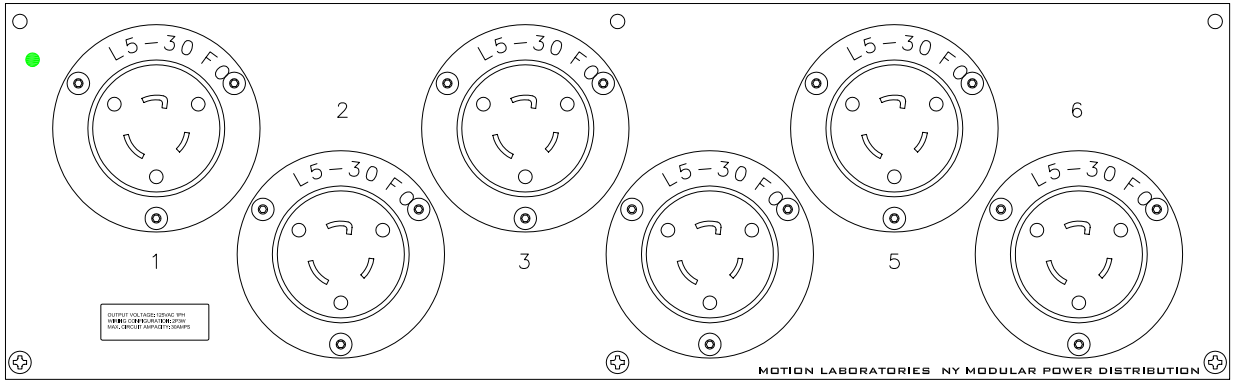
Front View

motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP3, 3RU, 19" Rack Mount, Chassis Depth 7", L21-30 I/O, 4 x L5-30, 2 x 20A Duplex, TOP OUTPUT*	DRAWN BY PH	DATE DRAWN 2-16-07	SIZE A	DRAWING NUMBER 1100-3-MM-C4D2-01	REV -
		CHECKED BY	DATE CHECKED			
		MODEL FILENAME & PATH V:\Assembly Drawings\Rac Pacs\3sp Rac Pacs\Final Assembly\1100-3-MM-C4D2-01.dwg		SCALE -	SHT 1 OF 1	

Front View

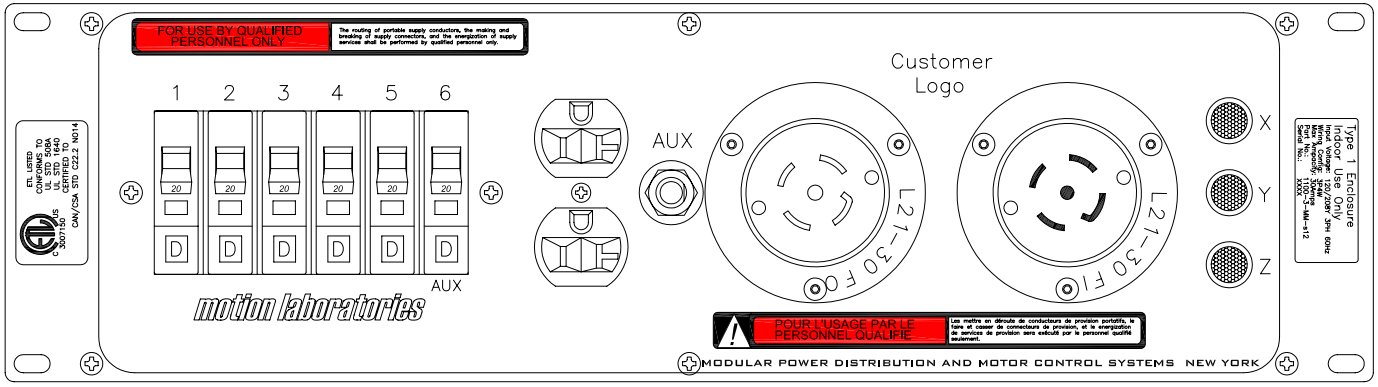


Rear View

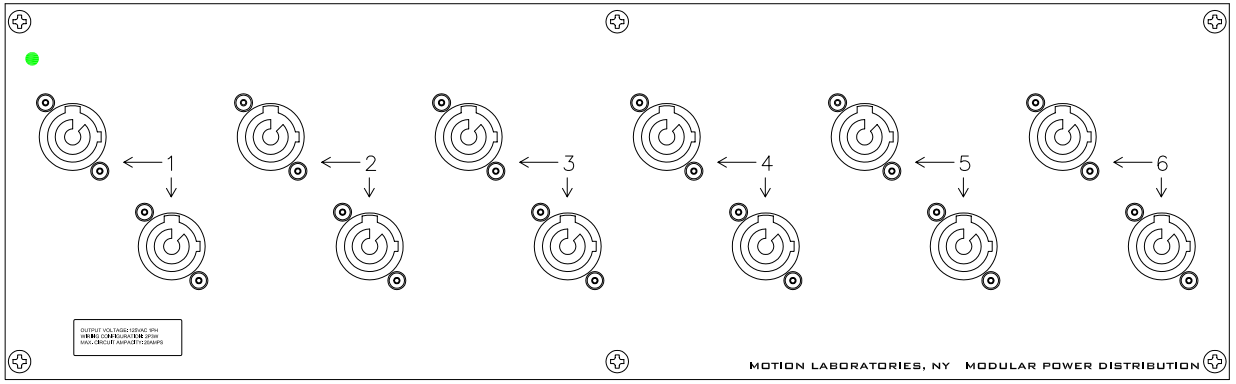


motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP3, 3RU, 19" Rack Mount, Chassis Depth 5.5", L21-30 I/O, 6 x L5-30*	DRAWN BY GMF	DATE DRAWN 15 FEB 07	SIZE A	DRAWING NUMBER 1100-3-MM-C6	REV B
		CHECKED BY PH	DATE CHECKED 2-16-07			
		MODEL FILENAME & PATH V:\Assembly Drawings\Rac Pacs\3sp Rac Pacs\Final Assembly\1100-3-MM-C6.RevB.dwg		SCALE NONE	SHT 1 OF 1	

Front View

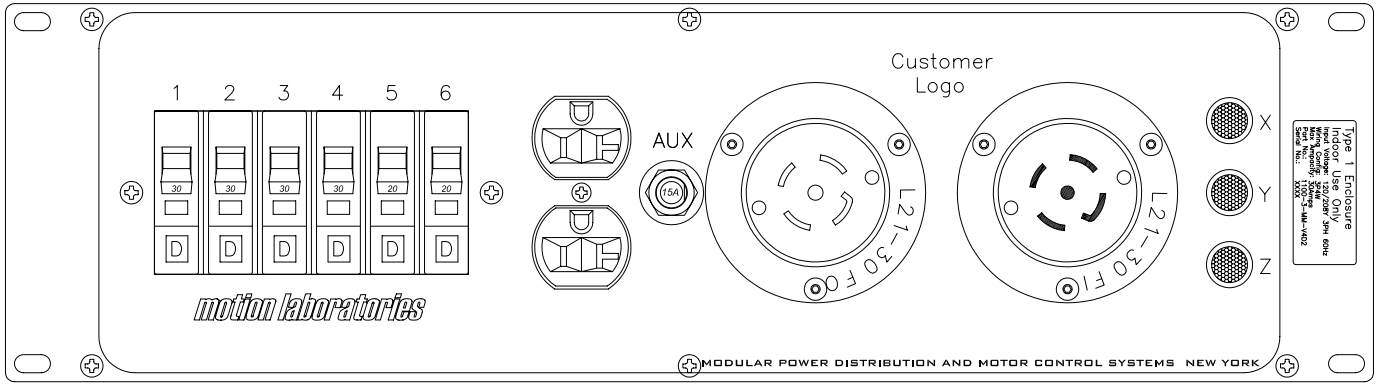


Rear View

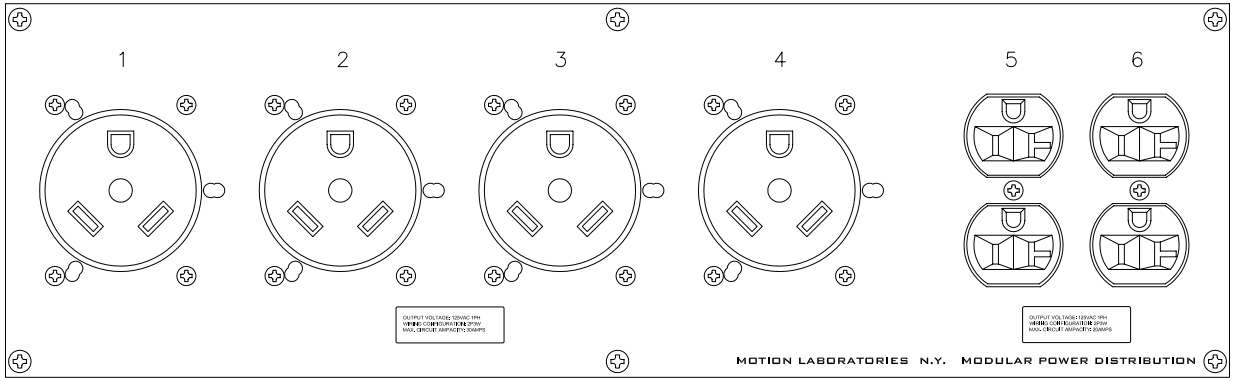


motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP3, 3RU, 19" Rack Mount, Chassis Depth 5.5", L21-30 I/O, 12 x 20A Power Con*	DRAWN BY GMF	DATE DRAWN 16 FEB 07	SIZE A	DRAWING NUMBER 1100-3-MM-s12
		CHECKED BY	DATE CHECKED		
		MODEL FILENAME & PATH V:\Assembly Drawings\Rac Pacs\3sp Rac Pacs\Final Assembly\1100-3-MM-s12.RevB.dwg		SCALE NONE	SHT 1 OF 1

Front View



Rear View



motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

TITLE

RP3, 3RU, 19" Rack Mount, Chassis Depth 5.5", L21-30 I/O, 3 x 30A Range Plug, 2 x 20A Duplex

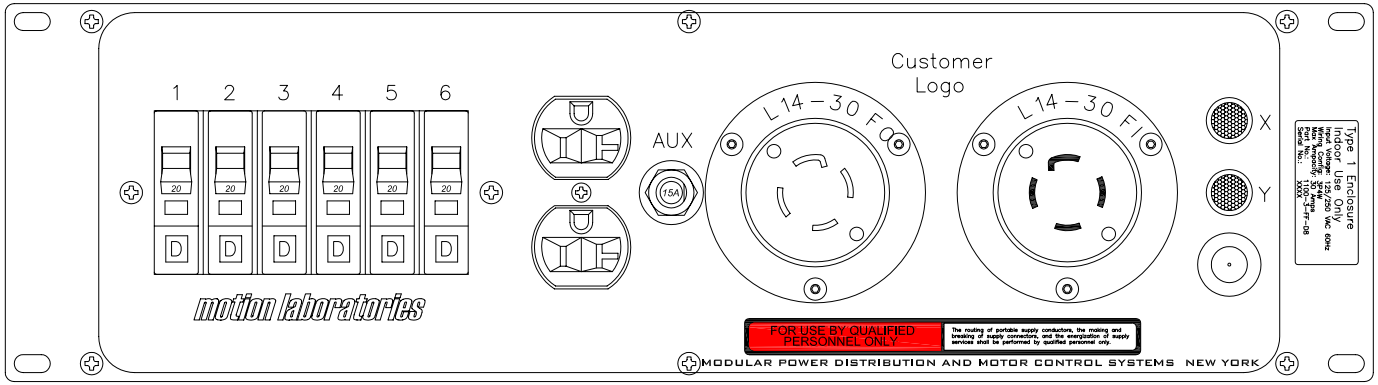
DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
GMF	16 FEB 07	A	1100-3-MM-V4D2	-
CHECKED BY	DATE CHECKED			

MODEL FILENAME & PATH: V:\Assembly Drawings\Rac Pacs\3sp Rac Pacs\Final Assembly\1100-3-MM-V4D2.dwg

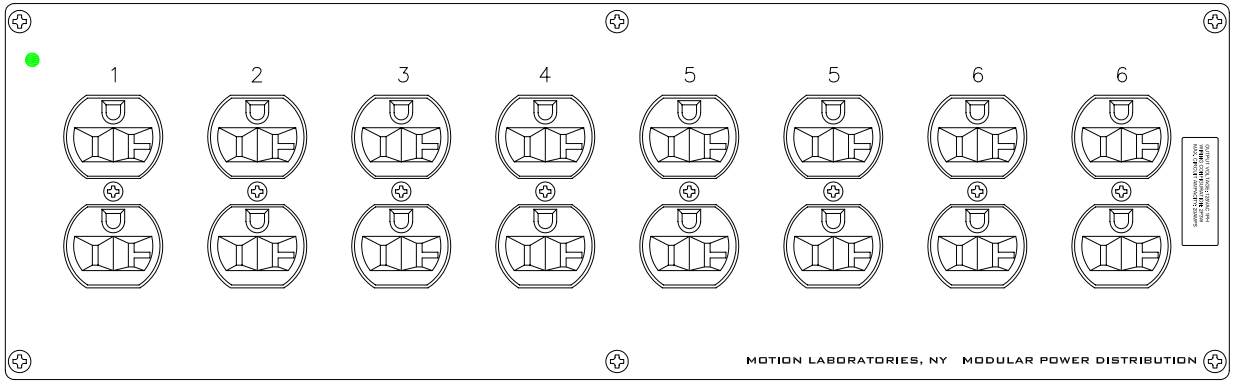
SCALE: NONE

SHT: 1 OF 1

Front View

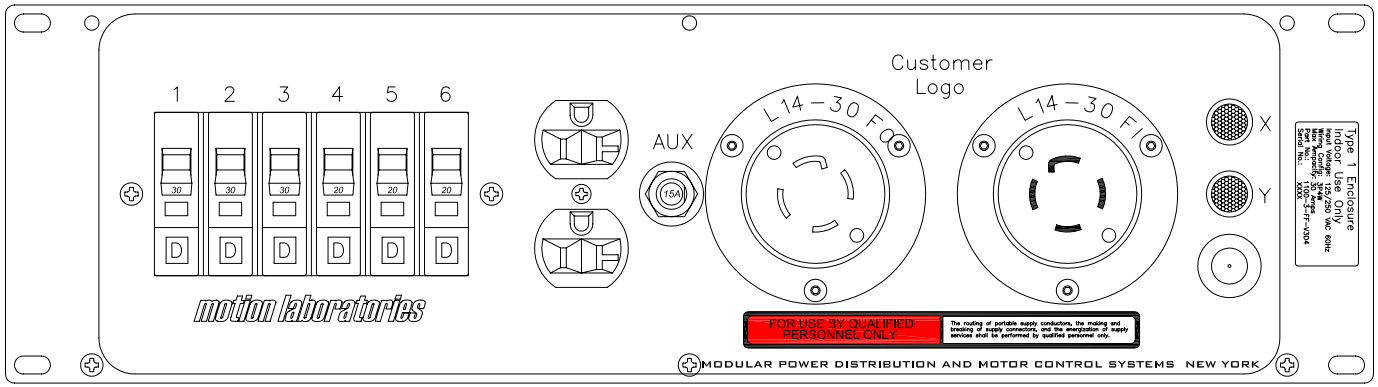


Rear View

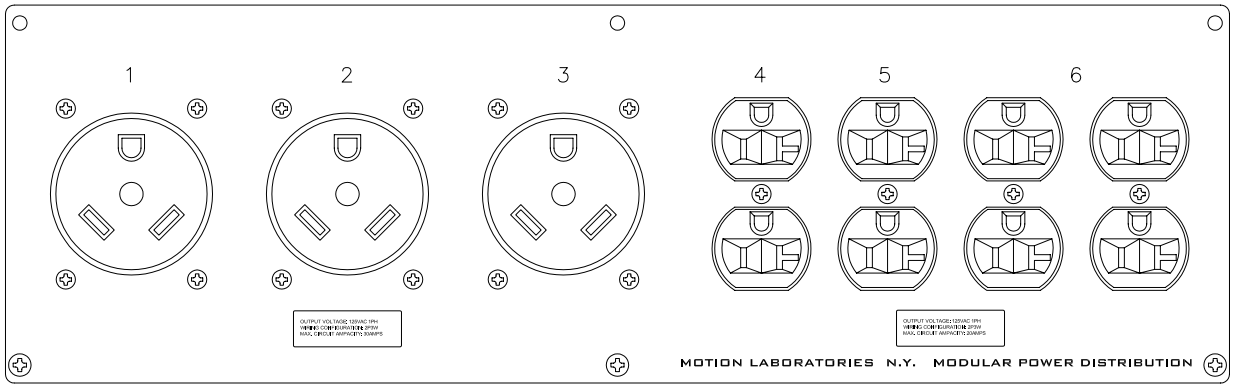


motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP3, 3RU, 19" Rack Mount, Chassis Depth 5.5", L14-30 I/O, 8 x 20A Duplex*	DRAWN BY GMF	DATE DRAWN 16 FEB 07	SIZE A	DRAWING NUMBER 1100-3-FF-D8
		CHECKED BY PH	DATE CHECKED 2-16-07		REV C
		MODEL FILENAME & PATH V:\Assembly Drawings\Rac Pacs\3sp Rac Pacs\Final Assembly\1100-3-FF-D8.RevC.dwg		SCALE NONE	SHT 1 OF 1

Front View

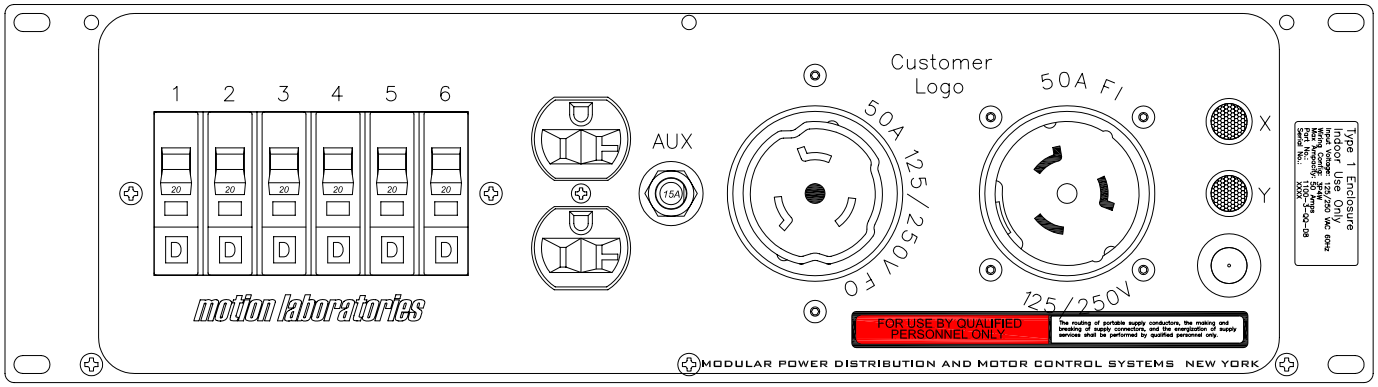


Rear View

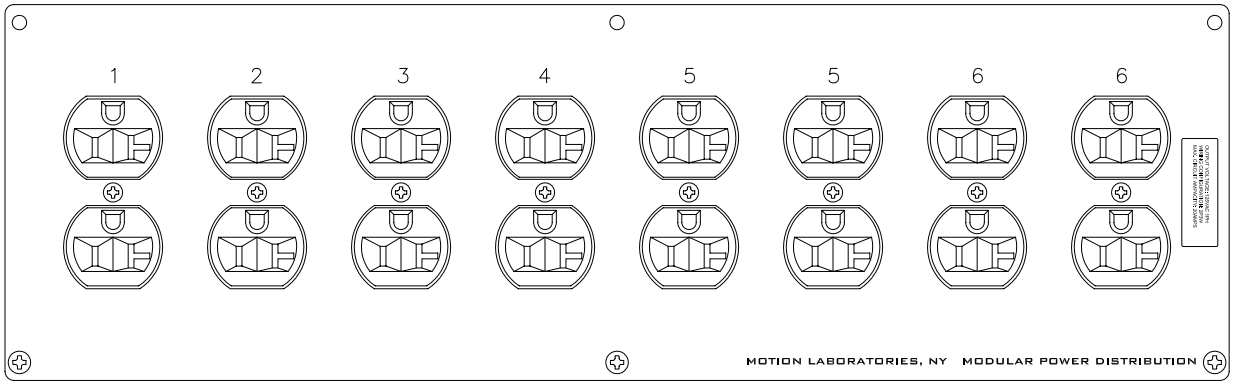


motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP3, 3RU, 19" Rack Mount, Chassis Depth 5.5", L14-30 I/O, 3 x 30A Range Plug, 4 x 20A Duplex*	DRAWN BY GMF	DATE DRAWN 16 FEB 07	SIZE A	DRAWING NUMBER 1100-3-FF-V3D4	REV B
		CHECKED BY PH	DATE CHECKED 2-16-07			
		MODEL FILENAME & PATH V:\Assembly Drawings\Rac Pacs\3sp Rac Pacs\Final Assembly\1100-3-FF-V3D4.RevB.dwg		SCALE -	SHT 1 OF 1	

Front View



Rear View

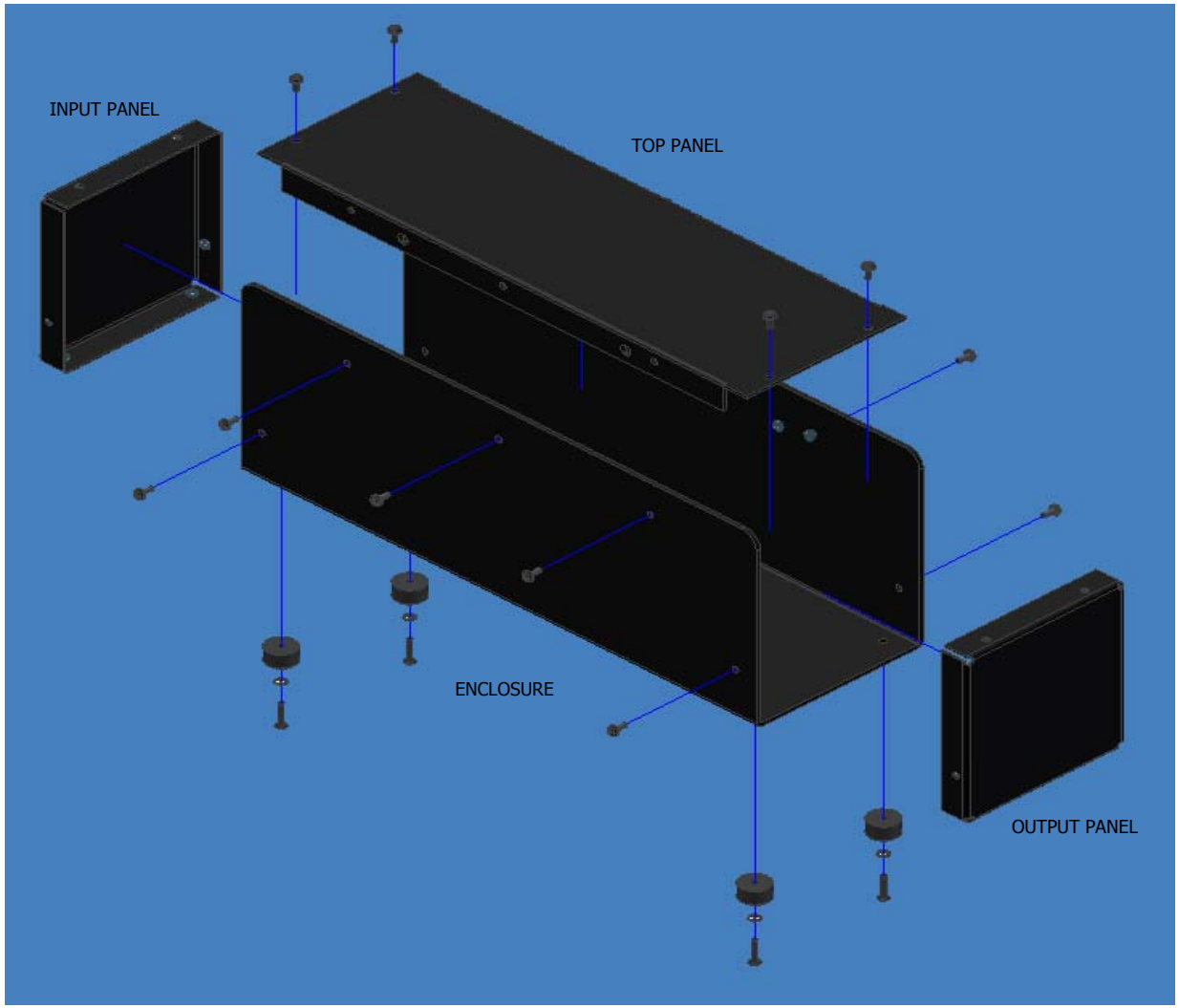


motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE *RP3, 3RU, 19" Rack Mount, Chassis Depth 5.5", 50A 125/250V I/O, 8 x 20A Duplex*	DRAWN BY GMF	DATE DRAWN 16 FEB 07	SIZE A	DRAWING NUMBER 1100-3-QQ-D8
		CHECKED BY PH	DATE CHECKED 2-16-07		REV B
		MODEL FILENAME & PATH V:\Assembly Drawings\Rac Pacs\3sp Rac Pacs\Final Assembly\1100-3-QQ-D8.RevB.dwg		SCALE ---	SHT 1 OF 1

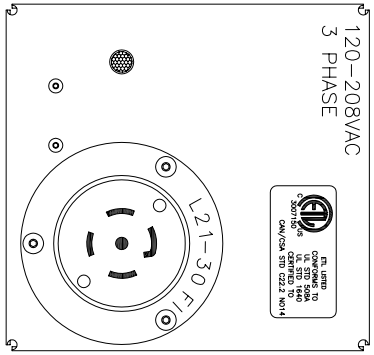
motionlaboratories

power distribution and motor control systems

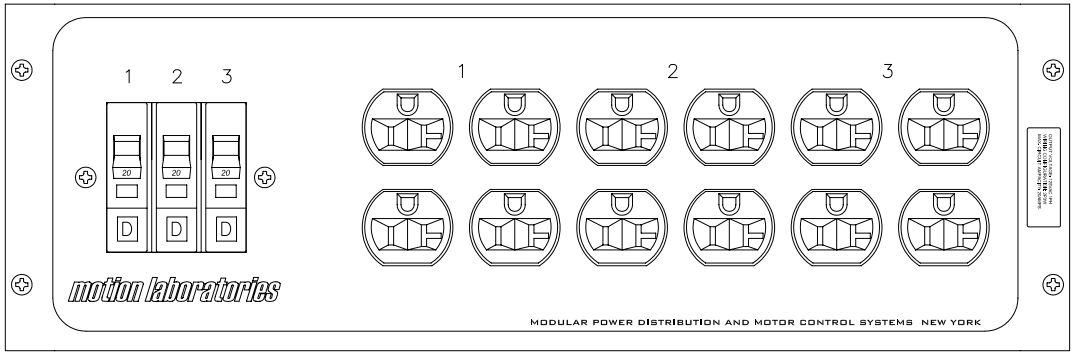
BREAKERED STRINGER



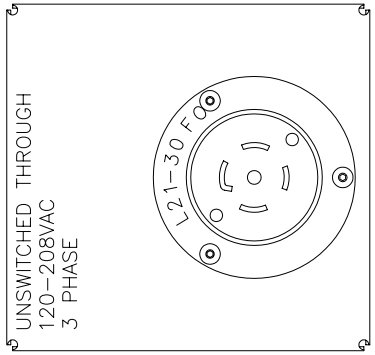
Input View



Top View



Output View



motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

TITLE

Breakered Stringer, L21-30 I/O, 6 x Duplex

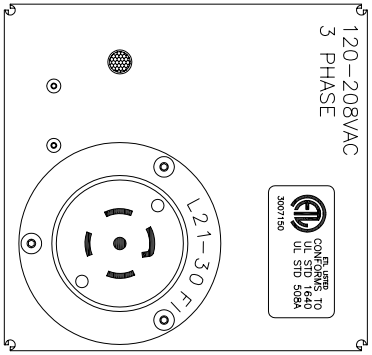
DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
DH	15 FEB 07	A	1111-MM-D6	B
CHECKED BY	DATE CHECKED			
PH	2-16-07			

MODEL FILENAME & PATH: V:\Assembly Drawings\Stringers\Breakered Stringers\Final Assembly\1111-MM-D6.RevB.dwg

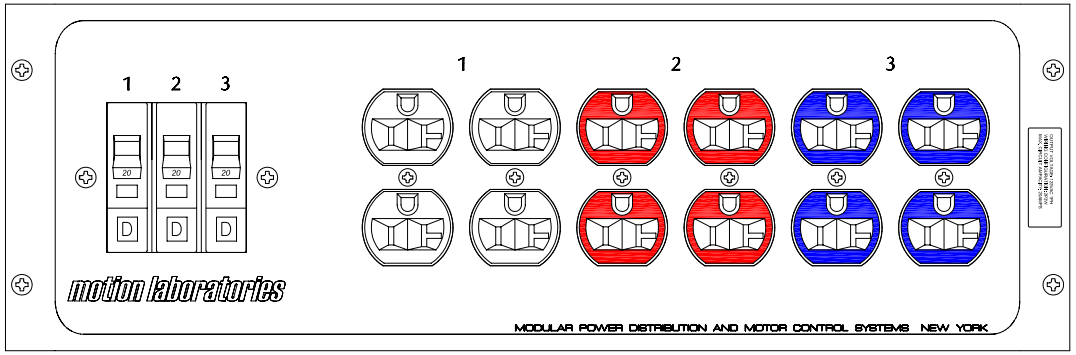
SCALE: -

SHT: 1 OF 1

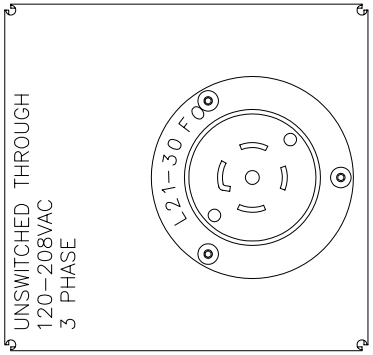
Input View



Top View



Output View



motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

TITLE

Breakered Stringer, L21-30 I/O, 6 x Duplex, Color Coded

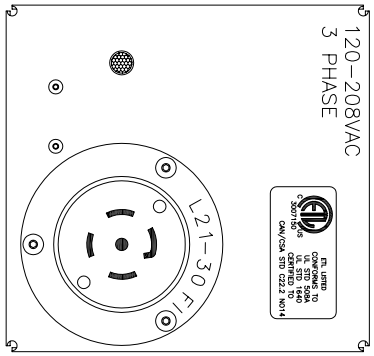
DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
DH	16 FEB 07	A	1111-MM-D6-01	-
CHECKED BY	DATE CHECKED			
PH	2-16-07			

MODEL FILENAME & PATH: V:\Assembly Drawings\Stringers\Breakered Stringers\Final Assembly\1111-MM-D6-01.dwg

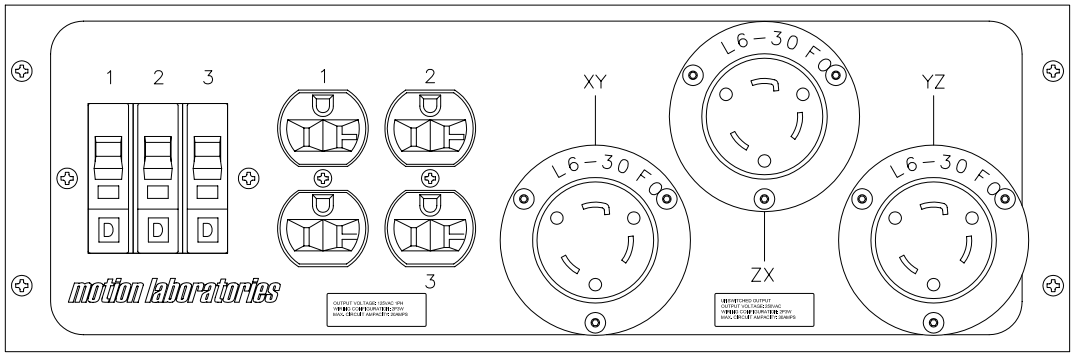
SCALE: -

SHT: 1 OF 1

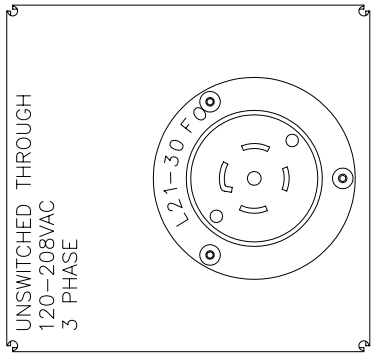
Input View



Top View



Output View



motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

TITLE
Breakered Stringer L21-30 I/O,
2 x Edison, 3 x L6-30

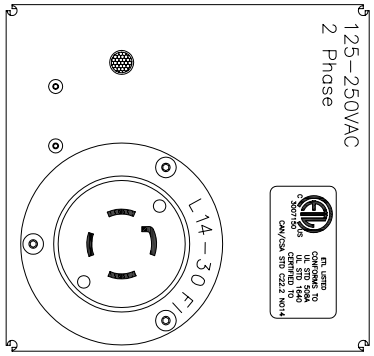
DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
DH	15 FEB 07	A	1111-MM-D2Y3	C
CHECKED BY	DATE CHECKED			
PH	2-16-07			

MODEL FILENAME & PATH
V:\Assembly Drawings\Stringers\Breakered Stringers\Final Assembly\1111-MM-D2Y3.RevC.dwg

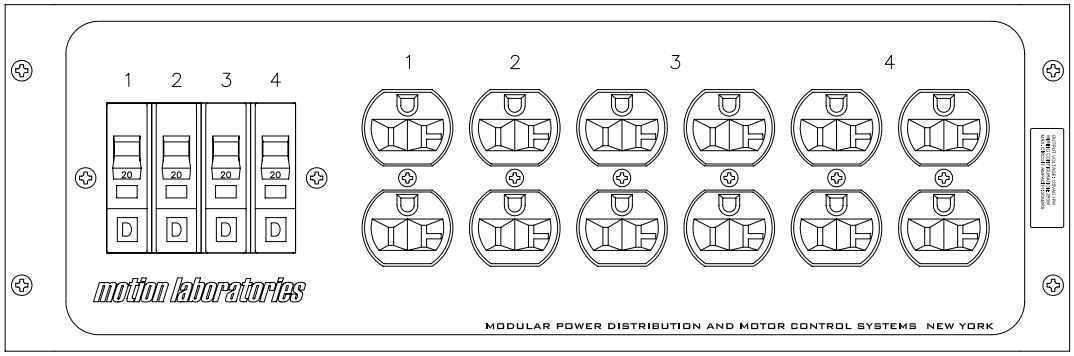
SCALE -

SHT 1 OF 1

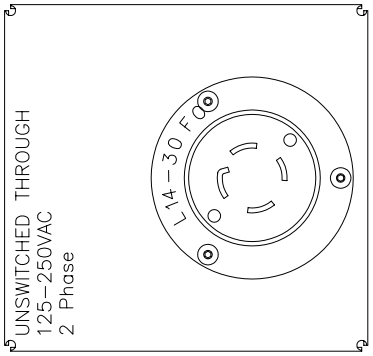
Input View



Top View



Output View



motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

TITLE
Breakered Stringer
14-30 I/O, 6 x Duplex

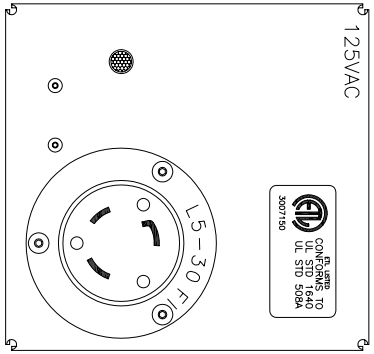
DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
DH	16 FEB 07	A	1111-FF-D6	B
CHECKED BY	DATE CHECKED			
PH	2-16-07			

MODEL FILENAME & PATH
V:\Assembly Drawings\Stringers\Breakered Stringers\Final Assembly\1111-FF-D6.REV B.dwg

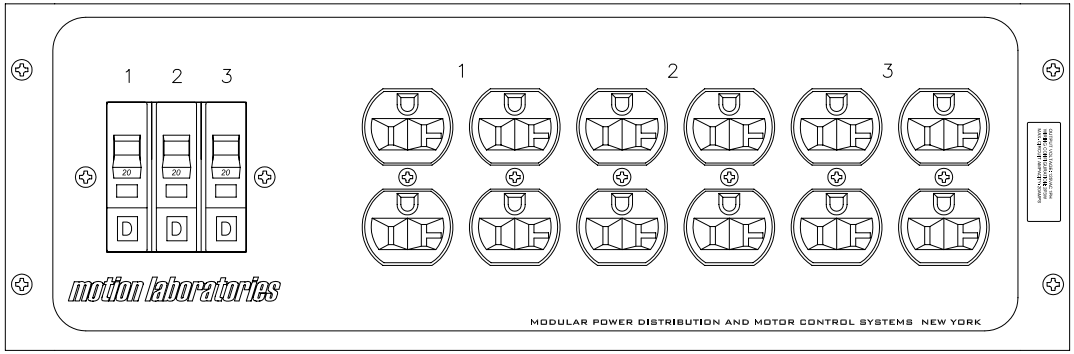
SCALE -

SHT 1 OF 1

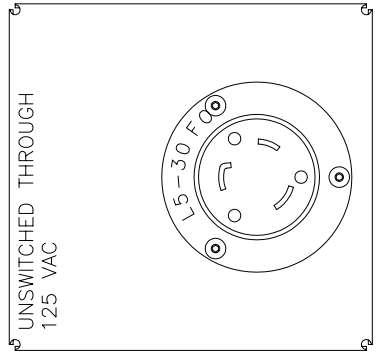
Input View



Top View



Output View



motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

TITLE
Breakered Stringer
L5-30 I/O, 6 x Duplex

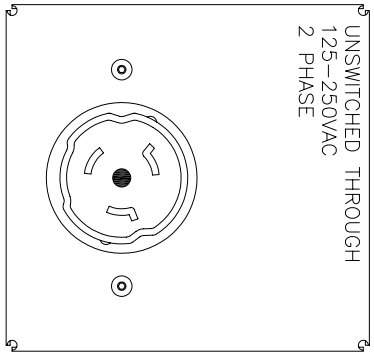
DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
DH	16 FEB 07	A	1111-CC-D6	A
CHECKED BY	DATE CHECKED			
PH	2-16-07			

MODEL FILENAME & PATH
V:\Assembly Drawings\Stringers\Breakered Stringers\Final Assembly\1111-CC-D6.RevA.dwg

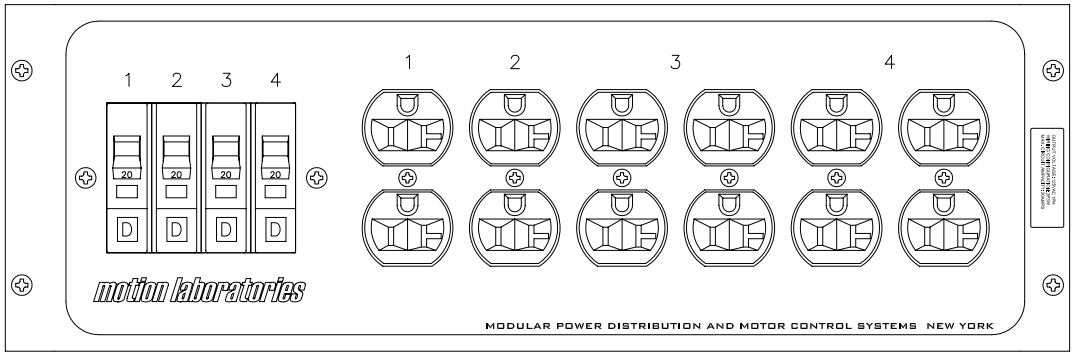
SCALE -

SHT 1 OF 1

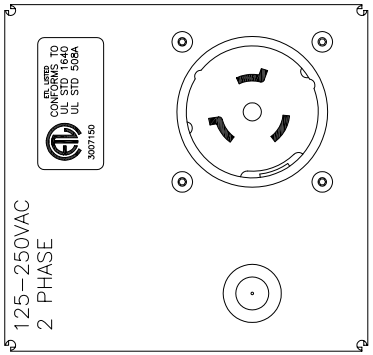
Input View



Top View



Output View



motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

TITLE
Breakered Stringer
50A 125/250v I/O, 6 x Duplex

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
DH	16 FEB 07	A	1111-QQ-D6	A
CHECKED BY	DATE CHECKED			
PH	2-16-07			

MODEL FILENAME & PATH
V:\Assembly Drawings\Stringers\Breakered Stringers\Final Assembly\1111-QQ-D6.RevA.dwg

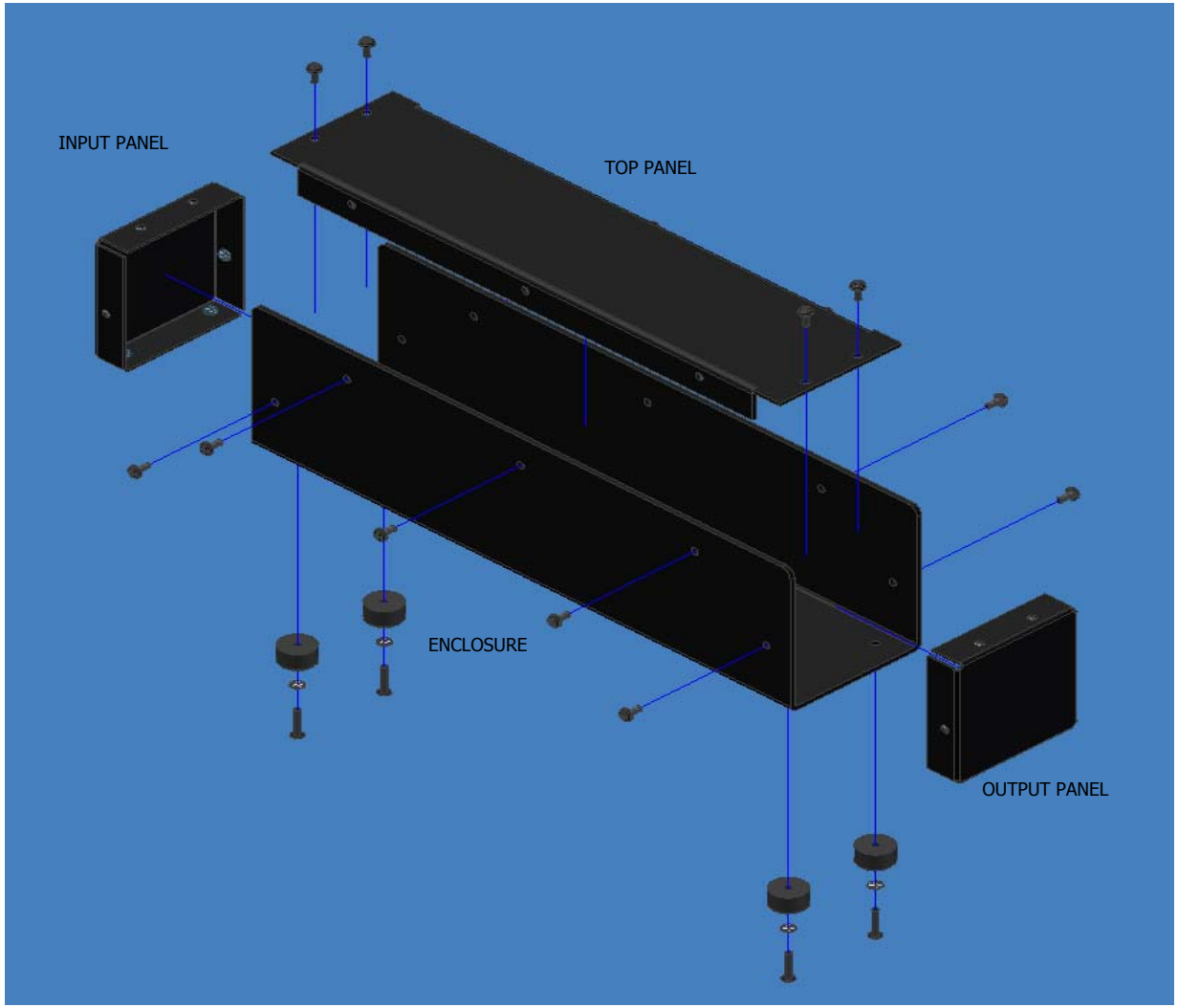
SCALE -

SHT 1 OF 1

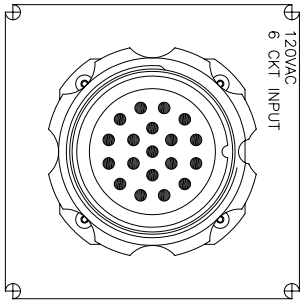
motionlaboratories

power distribution and motor control systems

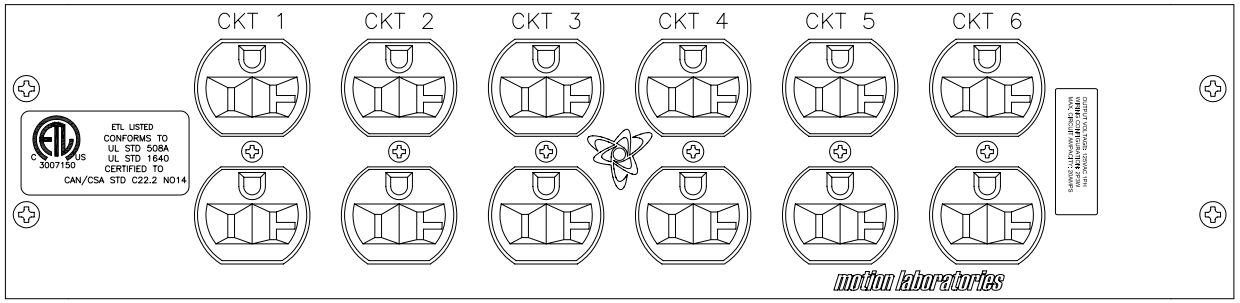
NON BREAKERED STRINGER



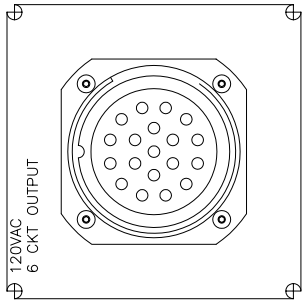
Input View



Top View

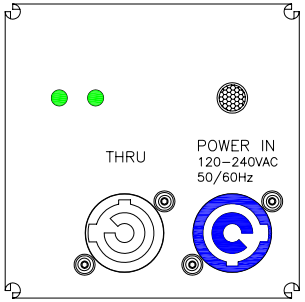


Output View

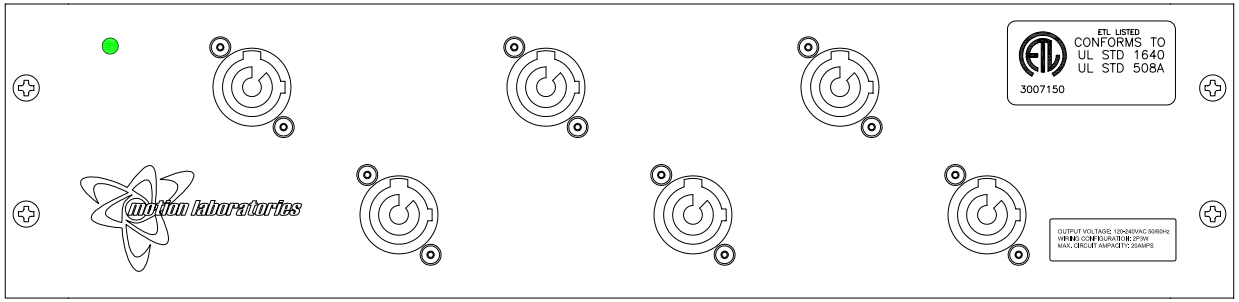


motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE StringerBox P19 I/O x 6xDuplex (Wired Circuits 1-6 in/thru)	DRAWN BY DH	DATE DRAWN 16 FEB 07	SIZE A	DRAWING NUMBER 1110-SS-D6 REV A
		CHECKED BY PH	DATE CHECKED 2-16-07		
		MODEL FILENAME & PATH V:\Assembly Drawings\Stringers\Non-Breakered Stringers\Final Assembly\1110-SS-D6.m.RevA.dwg		SCALE -	SHT 1 OF 1

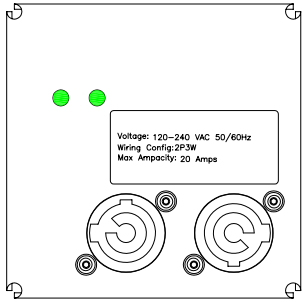
Input View



Top View



Output View



motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

TITLE
Stringer Box, Powercon
I/O x 8 Power Con Out

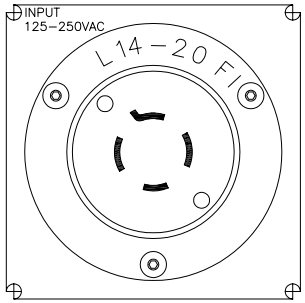
DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
DH	16 FEB 07	A	1110-A1A1-S8	B
CHECKED BY	DATE CHECKED			
PH	2-16-07			

MODEL FILENAME & PATH
V:\Assembly Drawings\Stringers\Non-Breakered Stringers\Final Assembly\1110-A1A1-s8.RevB.dwg

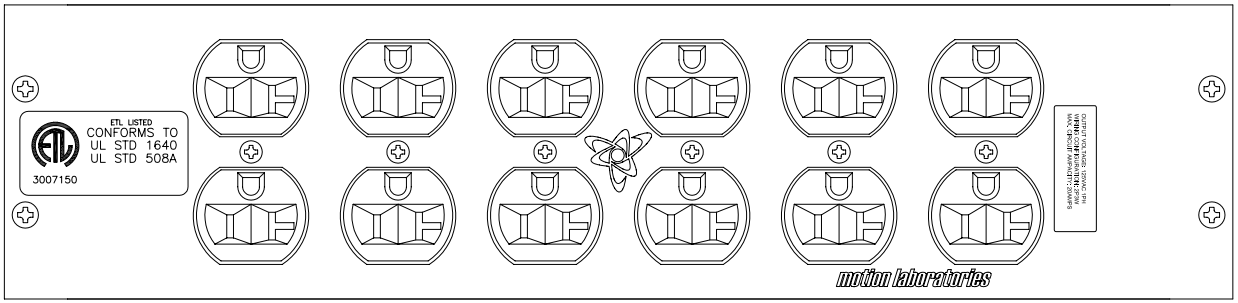
SCALE -

SHT 1 OF 1

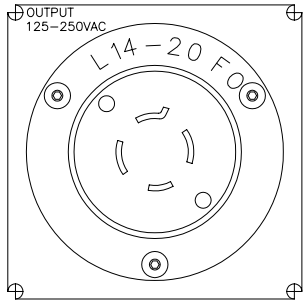
Input View



Top View



Output View



motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

TITLE
Stringer Box,
L14-20 I/O, 6xDuplex Edison

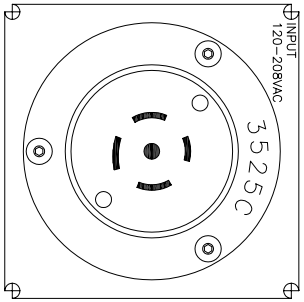
DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
DH	16 FEB 07	A	1110-EE-D6	A
CHECKED BY	DATE CHECKED			
PH	2-16-07			

MODEL FILENAME & PATH
V:\Assembly Drawings\Stringers\Non-Breakered Stringers\Final Assembly\1110-EE-D6.RevA.dwg

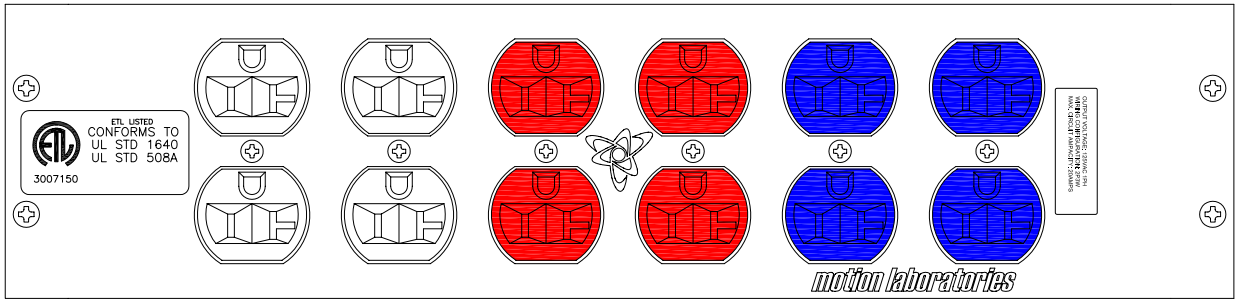
SCALE -

SHT 1 OF 1

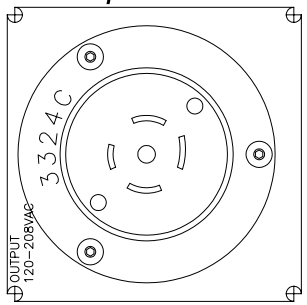
Input View



Top View

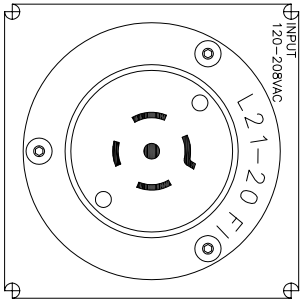


Output View

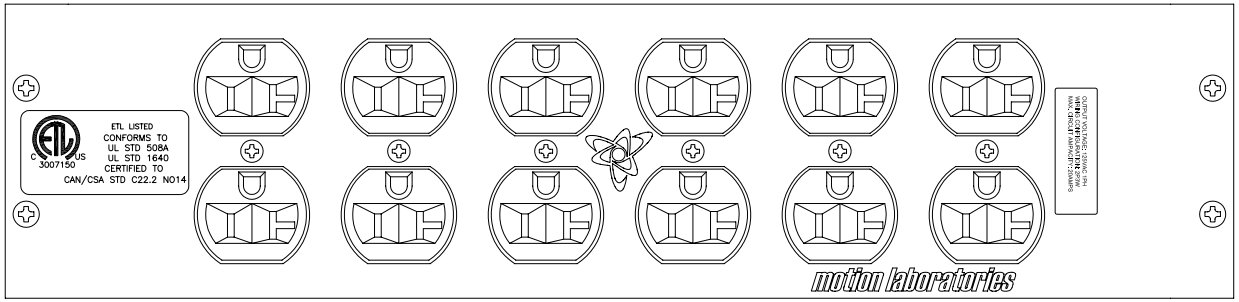


motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE Stringer HBL3525C In / HBL3524C x 6 Duplex Edison (Colored Coded Edisons)	DRAWN BY DH	DATE DRAWN 16 FEB 07	SIZE A	DRAWING NUMBER 1110-B1B1-D6
		CHECKED BY PH	DATE CHECKED 2-16-07		REV -
		MODEL FILENAME & PATH V:\Assembly Drawings\Stringers\Non-Breakered Stringers\Final Assembly\1110-B1B1-D6.dwg		SCALE -	SHT 1 OF 1

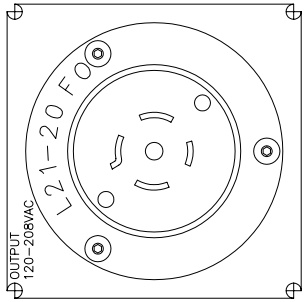
Input View



Top View



Output View



motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE Stringer L21-20 I/O x 6 Duplex Edison	DRAWN BY DH	DATE DRAWN 16 FEB 07	SIZE A	DRAWING NUMBER 1110-LL-D6	REV A
		CHECKED BY PH	DATE CHECKED 2-16-07			
		MODEL FILENAME & PATH V:\Assembly Drawings\Stringers\Non-Breakered Stringers\Final Assembly\1110-LL-D6.RevA.dwg		SCALE -	SHT 1 OF 1	

Cam In/Thru

Twistlock Out

200A Main

Ergonomically Designed Handles

The Max Pac is the latest addition to our industry standard family of rack mountable power distribution equipment. Designed to be small, portable and flexible, the Max Pac expands on this idea by greatly increasing the available output for serious power.
The Max Pac can be used to power up a wide variety of equipment including: motor controllers, amp racks, backline feeds, video and lighting systems.

- ETL LISTED
- Height: 12.25" - 7 Rack Units
- Depth: 15"
- Weight: 52 lbs

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power distribution and motor control systems

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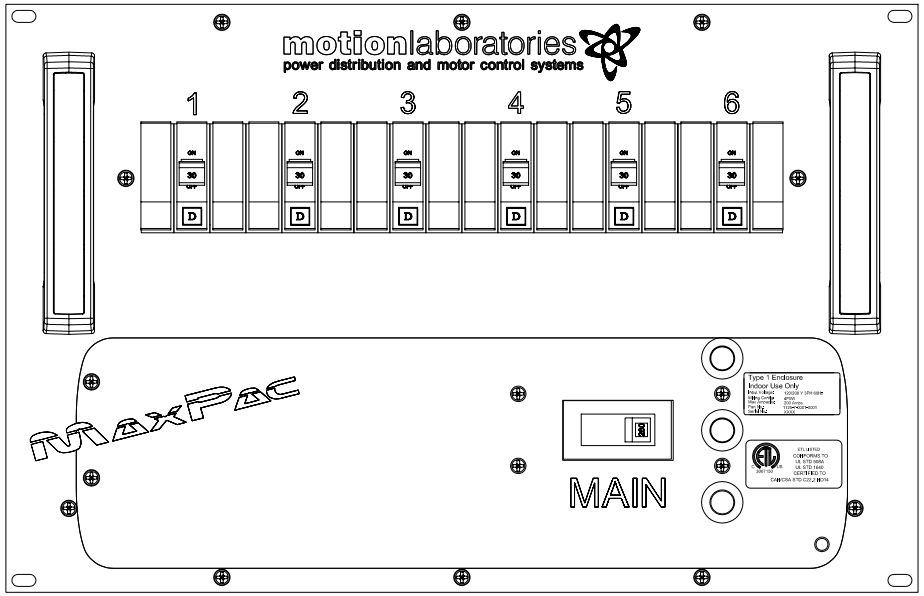
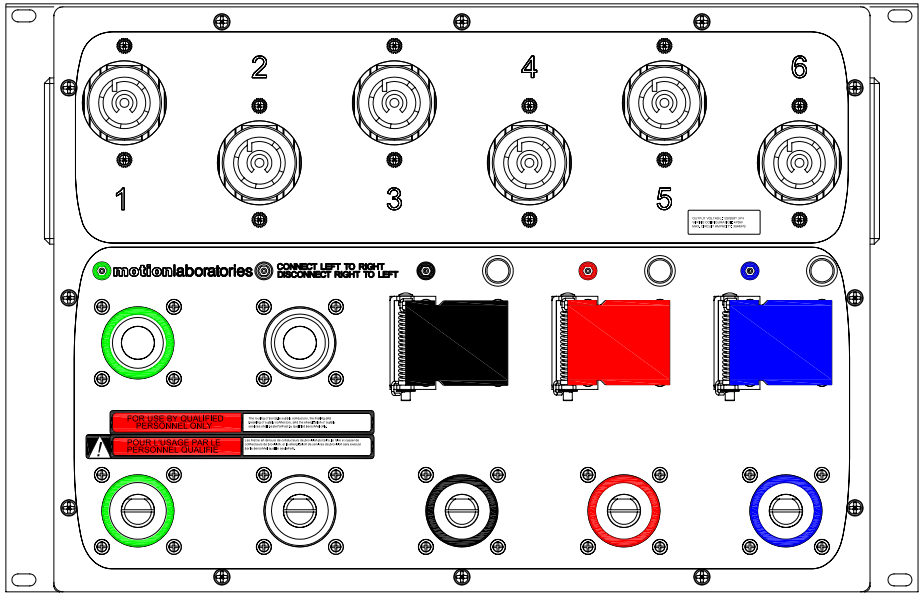
www.motionlabs.com

Ph: - 800-227-6784 - 914-788-8877 - Fax 914-788-8866 - 520 Furnace Dock Rd - Cortlandt Manor, NY 10567

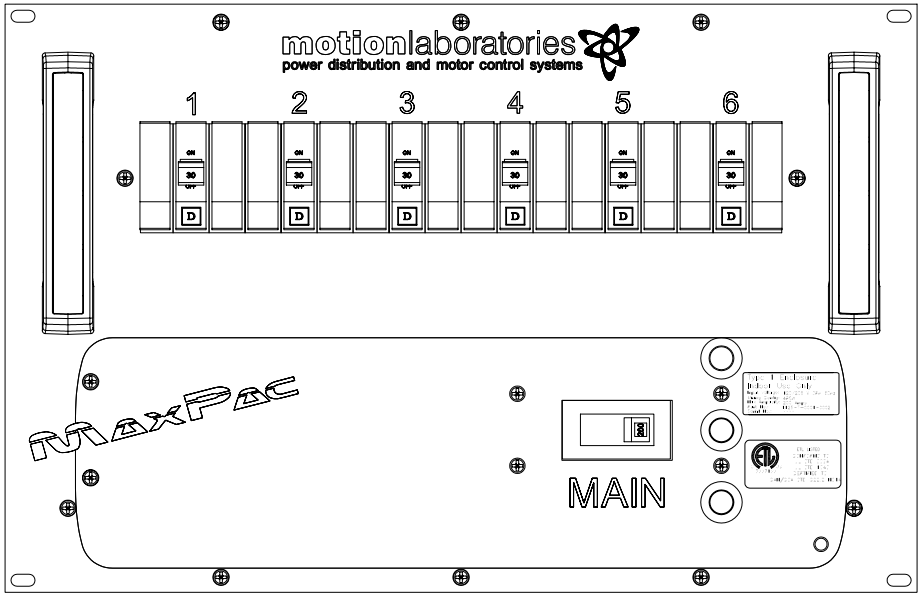


Front View

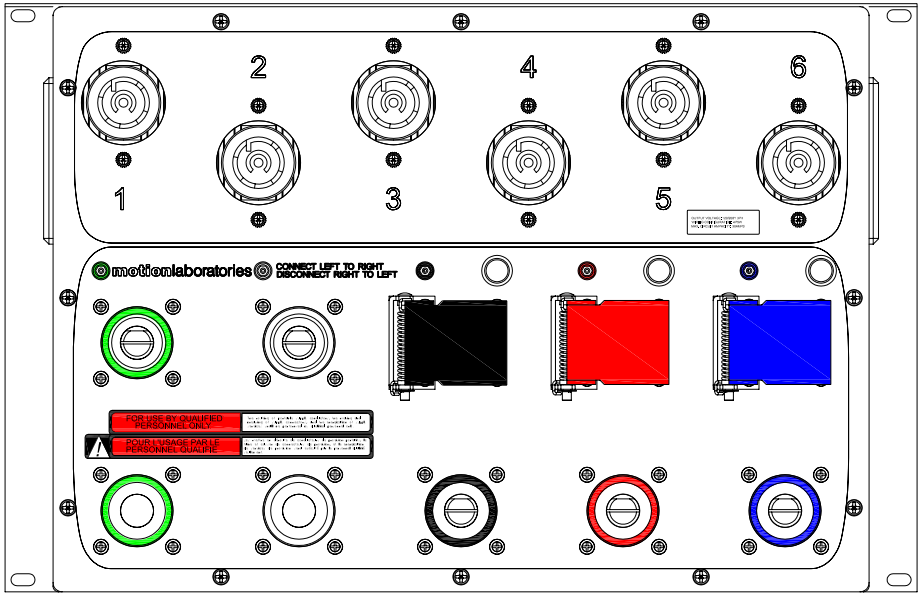


Rear View

motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE Max Pac, RP7 15", Rear Panel, Cam10 MXF, 6X L21-30R, Front Panel, 200A X 6-30A	DRAWN BY GMF	DATE DRAWN 21 FEB 07	SIZE A	DRAWING NUMBER 1125-7-0001-0001	REV A
		CHECKED BY PH	DATE CHECKED 2-22-07			
		MODEL FILENAME & PATH V:\Assembly Drawings\Rac Pacs\1125-7-0001-0001.dwg		SCALE NONE	SHT 1 OF 1	

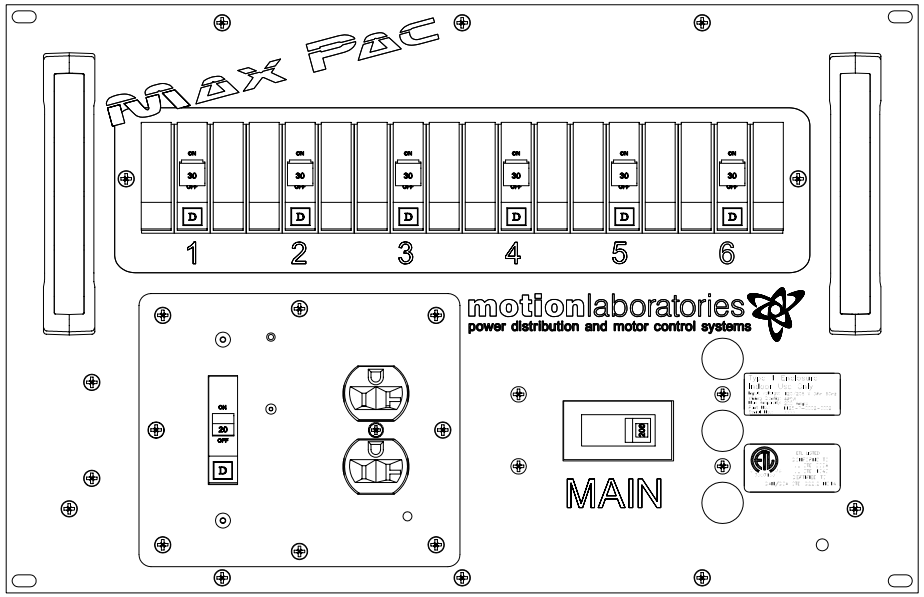


Front View

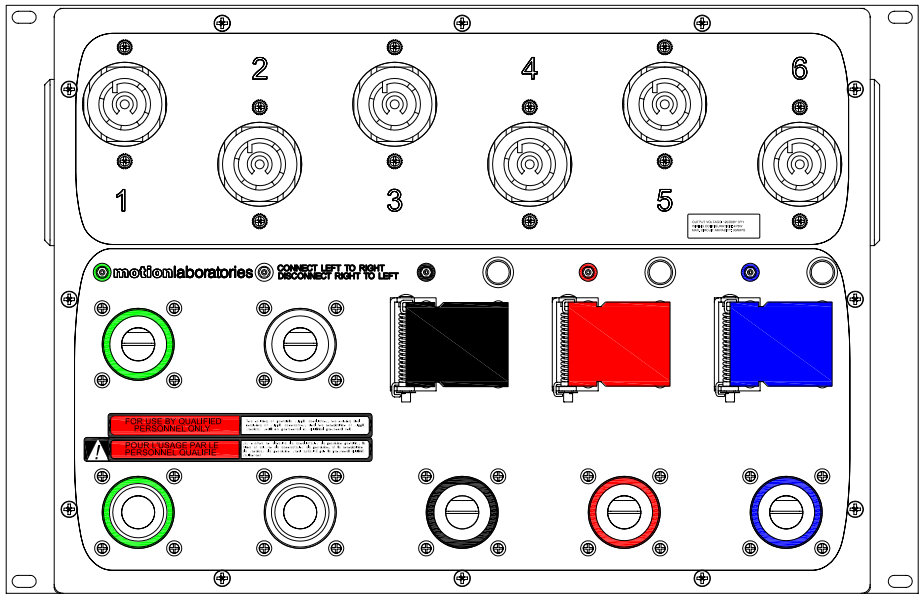


Rear View

motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE Max Pac, RP7 15", Rear Panel, Cam10 RGN, 6X L21-30R, Front Panel, 200A X 6-30A	DRAWN BY GMF	DATE DRAWN 22 FEB 07	SIZE A
		CHECKED BY PH	DATE CHECKED 2-24-07	
		DRAWING NUMBER 1125-7-0001-0002		REV A
		MODEL FILENAME & PATH V:\Assembly Drawings\Rac Pacs\1125-7-0001-0002.dwg	SCALE ---	SHT 1 OF 1



Front View



Rear View

motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE Max Pac, RP7 15", Rear Panel, Cam10 RGN, 6X L21-30R, Front Panel, 200A X 6-30A, Aux Outlet, Duplex	DRAWN BY GMF	DATE DRAWN 20 FEB 07	SIZE A	DRAWING NUMBER 1125-7-0002-0002	REV A
		CHECKED BY PH	DATE CHECKED 2-22-07			
		MODEL FILENAME & PATH V:\Assembly Drawings\Rac Pacs\1125-7-0002-0002.dwg		SCALE ---	SHT 1 OF 1	

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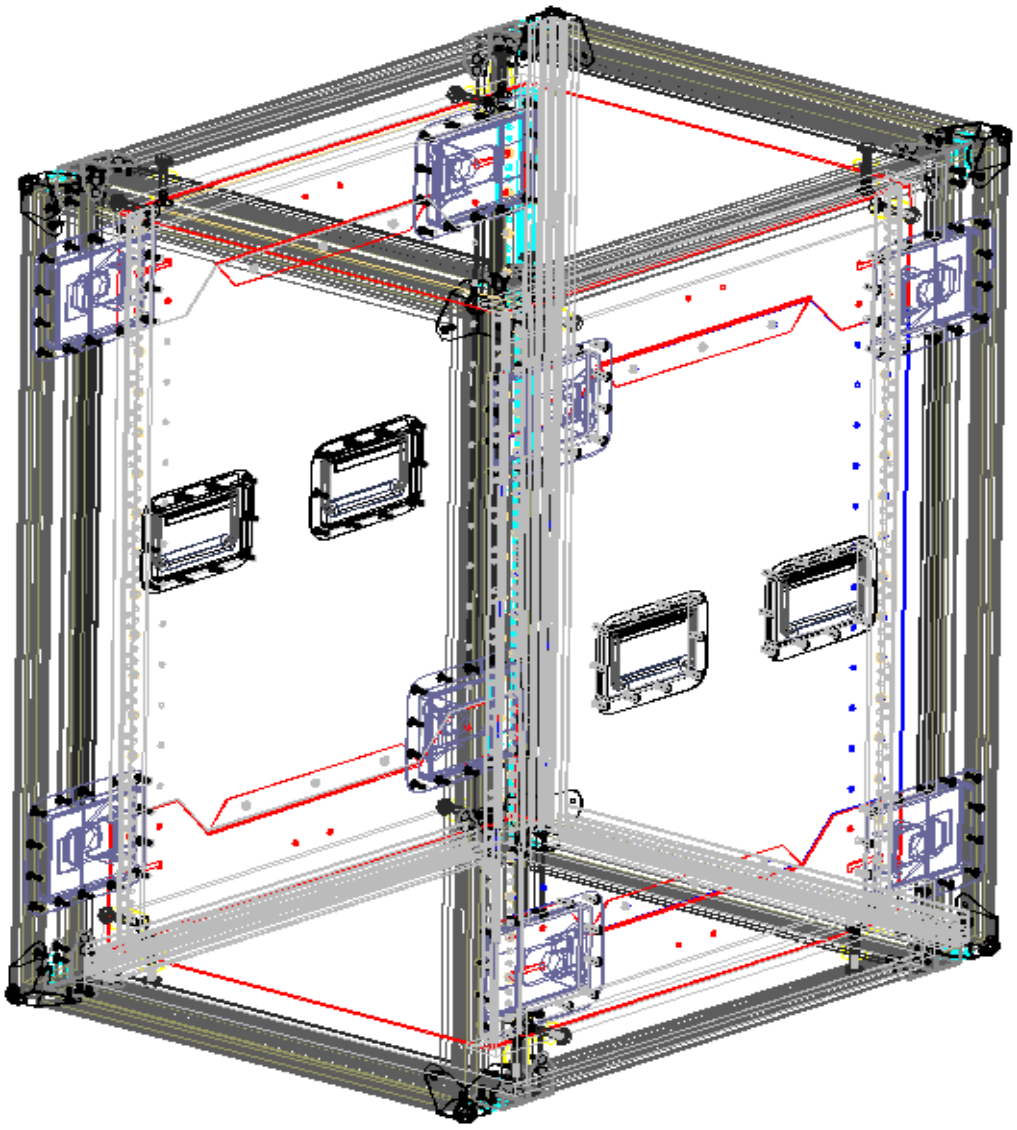
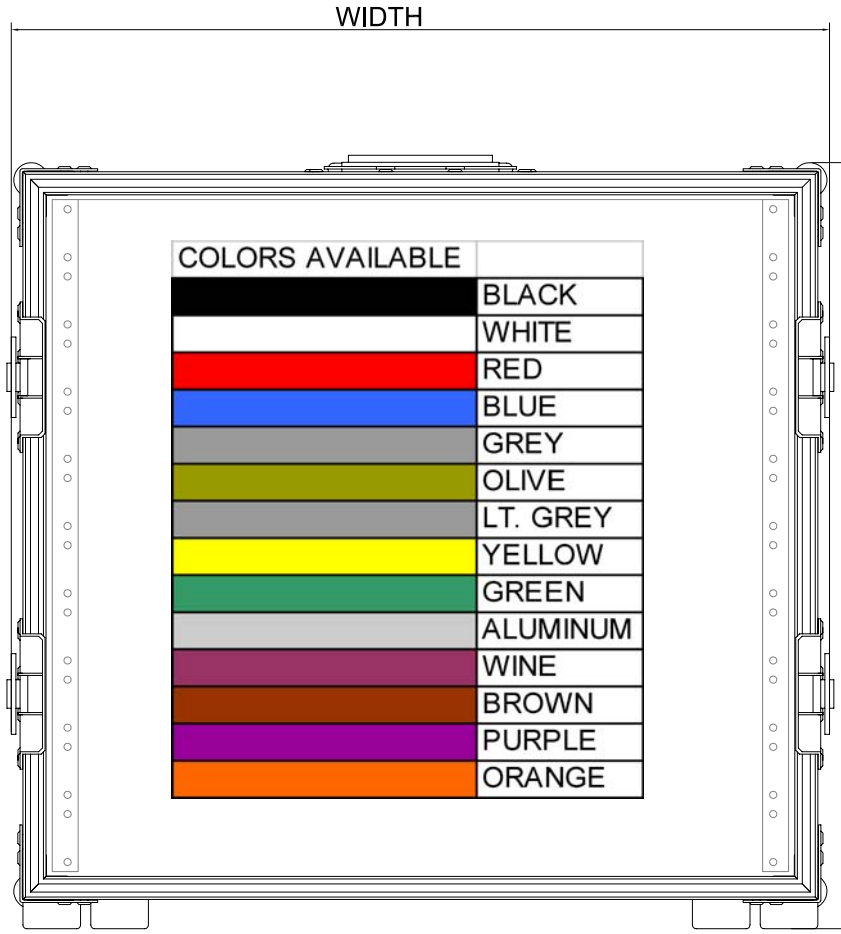
power distribution and motor control systems

CASES





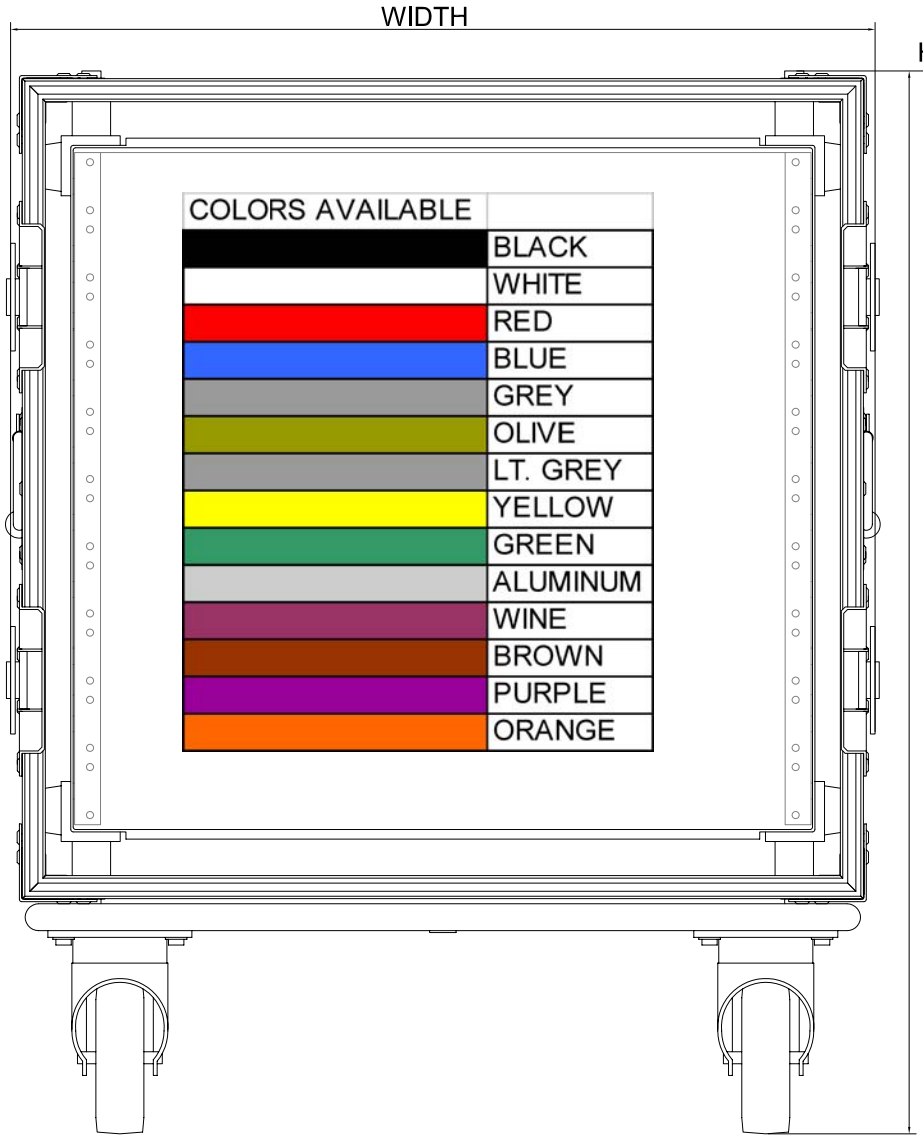
1Lid Case Dimension Sheet

Part Number	Rack Units	Width	Height	Depth
STANDARD				
B-25-001-XXXX	5RU	22.5	**11.2**	13
B-25-002-XXXX	6RU	22.5	**12.95**	13
B-25-003-XXXX	7RU	22.5	**14.7**	13
B-25-004-XXXX	8RU	22.5	**16.45**	13
B-25-005-XXXX	9RU	22.5	**18.2**	13
B-25-006-XXXX	10RU	22.5	**19.95**	13
B-25-007-XXXX	11RU	22.5	**21.7**	13
B-25-008-XXXX	12RU	22.5	**23.45**	13
B-25-009-XXXX	13RU	22.5	**25.2**	13
B-25-010-XXXX	14RU	22.5	**26.95**	13
B-25-011-XXXX	15RU	22.5	**28.7**	13
B-25-012-XXXX	16RU	22.5	**30.45**	13
B-25-013-XXXX	17RU	22.5	**32.2**	13
B-25-014-XXXX	18RU	22.5	**33.95**	13
B-25-015-XXXX	19RU	22.5	**35.7**	13
B-25-016-XXXX	20RU	22.5	**37.45**	13
B-25-017-XXXX	21RU	22.5	**39.2**	13
B-25-018-XXXX	22RU	22.5	**40.95**	13
B-25-019-XXXX	23RU	22.5	**42.7**	13

motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

TITLE
1Lid Case Specifications

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-27-07	A	-	-
CHECKED BY	DATE CHECKED			
MODEL FILENAME & PATH		SCALE	SHT	
		-	1 OF 1	



2Lid Case Dimension Sheet

Part Number	Rack Units	Width	Height	Depth
STANDARD				
B-26-001-XXXX	6RU	22.5	**20.68**	31
B-26-002-XXXX	7RU	22.5	**22.43**	31
B-26-003-XXXX	8RU	22.5	**24.18**	31
B-26-004-XXXX	9RU	22.5	**25.93**	31
B-26-005-XXXX	10RU	22.5	**27.68**	31
B-26-006-XXXX	11RU	22.5	**29.43**	31
B-26-007-XXXX	12RU	22.5	**31.18**	31
B-26-008-XXXX	13RU	22.5	**32.93**	31
B-26-009-XXXX	14RU	22.5	**34.68**	31
B-26-010-XXXX	15RU	22.5	**36.43**	31
B-26-011-XXXX	16RU	22.5	**38.18**	31
B-26-012-XXXX	17RU	22.5	**39.93**	31
B-26-013-XXXX	18RU	22.5	**41.68**	31
B-26-014-XXXX	19RU	22.5	**43.43**	31
B-26-015-XXXX	20RU	22.5	**45.18**	31
B-26-016-XXXX	21RU	22.5	**46.93**	31
B-26-017-XXXX	22RU	22.5	**48.68**	31
B-26-018-XXXX	23RU	22.5	**50.43**	31
B-26-019-XXXX	24RU	22.5	**52.18**	31
SHALLOW				
B-26-026-XXXX	6RU	22.5	**20.68**	23.5
B-26-027-XXXX	7RU	22.5	**22.43**	23.5
B-26-028-XXXX	8RU	22.5	**24.18**	23.5
B-26-029-XXXX	9RU	22.5	**25.93**	23.5
B-26-030-XXXX	10RU	22.5	**27.68**	23.5
B-26-031-XXXX	11RU	22.5	**29.43**	23.5
B-26-032-XXXX	12RU	22.5	**31.18**	23.5
B-26-033-XXXX	13RU	22.5	**32.93**	23.5
B-26-034-XXXX	14RU	22.5	**34.68**	23.5
B-26-035-XXXX	15RU	22.5	**36.43**	23.5
B-26-036-XXXX	16RU	22.5	**38.18**	23.5
B-26-037-XXXX	17RU	22.5	**39.93**	23.5
B-26-038-XXXX	18RU	22.5	**41.68**	23.5
B-26-039-XXXX	19RU	22.5	**43.43**	23.5
B-26-040-XXXX	20RU	22.5	**45.18**	23.5
B-26-041-XXXX	21RU	22.5	**46.93**	23.5
B-26-042-XXXX	22RU	22.5	**48.68**	23.5
B-26-043-XXXX	23RU	22.5	**50.43**	23.5
B-26-044-XXXX	24RU	22.5	**52.18**	23.5

motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

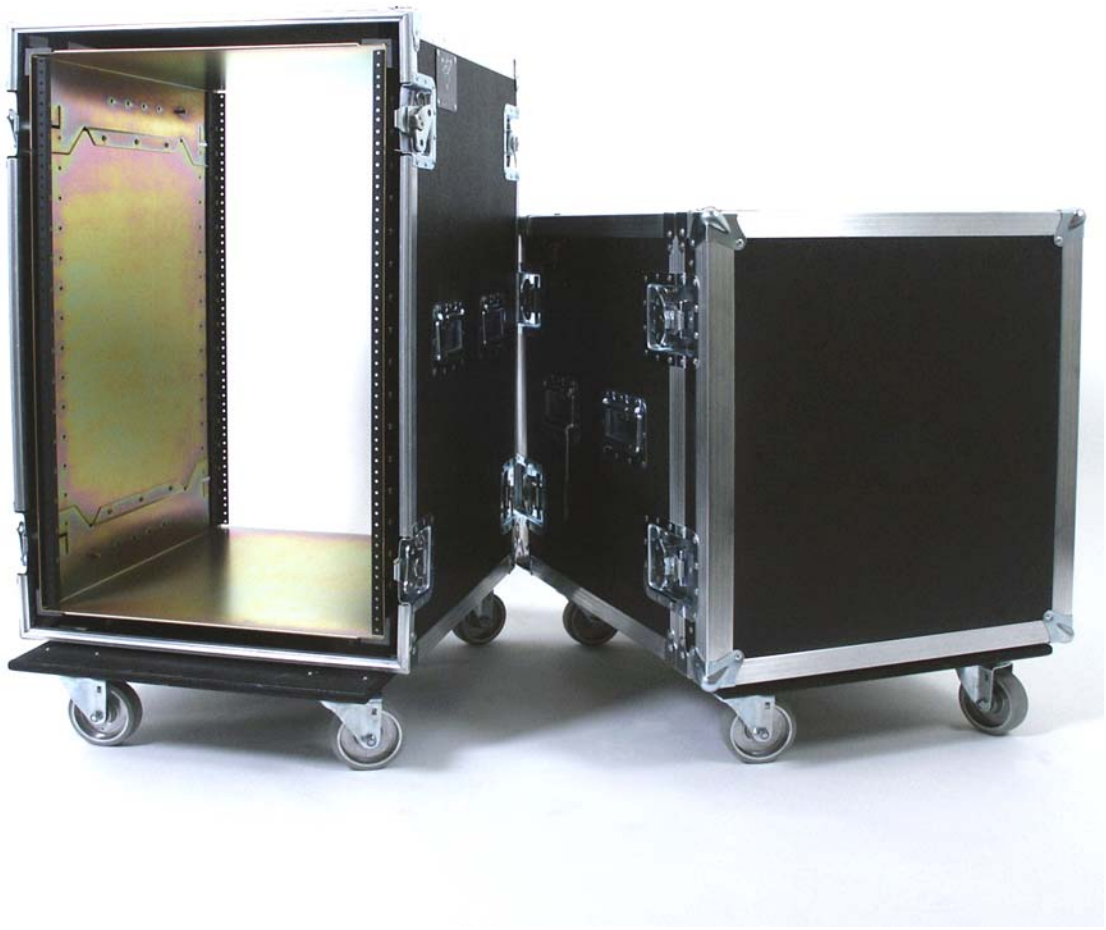
TITLE
2 Lid Case Specifications

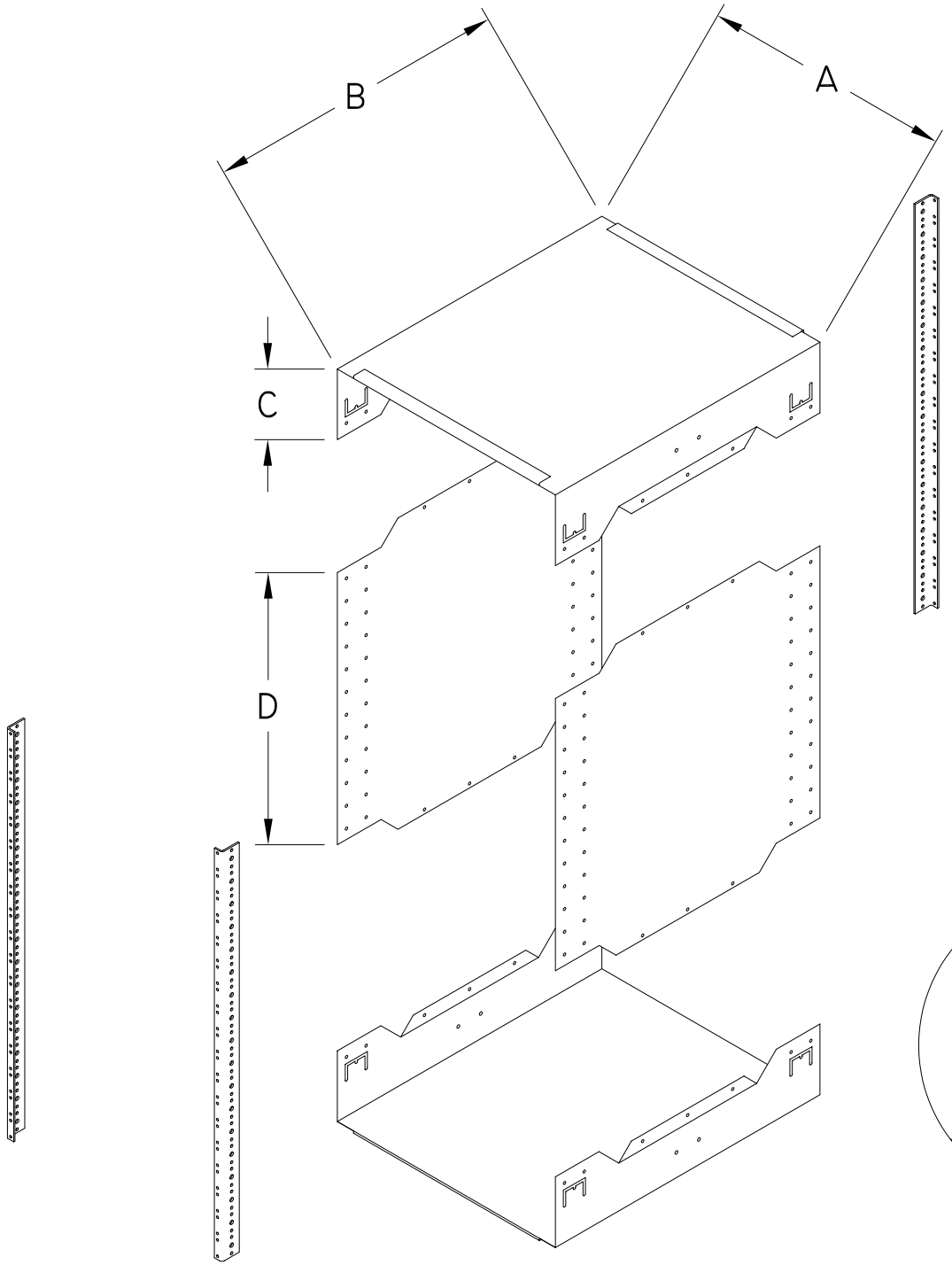
DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-27-07	A	-	-
CHECKED BY	DATE CHECKED			
MODEL FILENAME & PATH		SCALE -	SHT 1 OF 1	

motionlaboratories

power distribution and motor control systems

STEEL LINERS

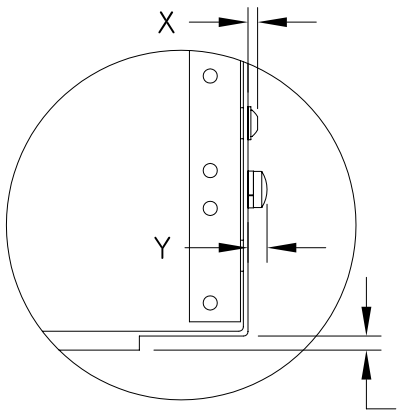




LINER DIMENSIONS FOR DEEP SERIES
REFERENCE ONLY

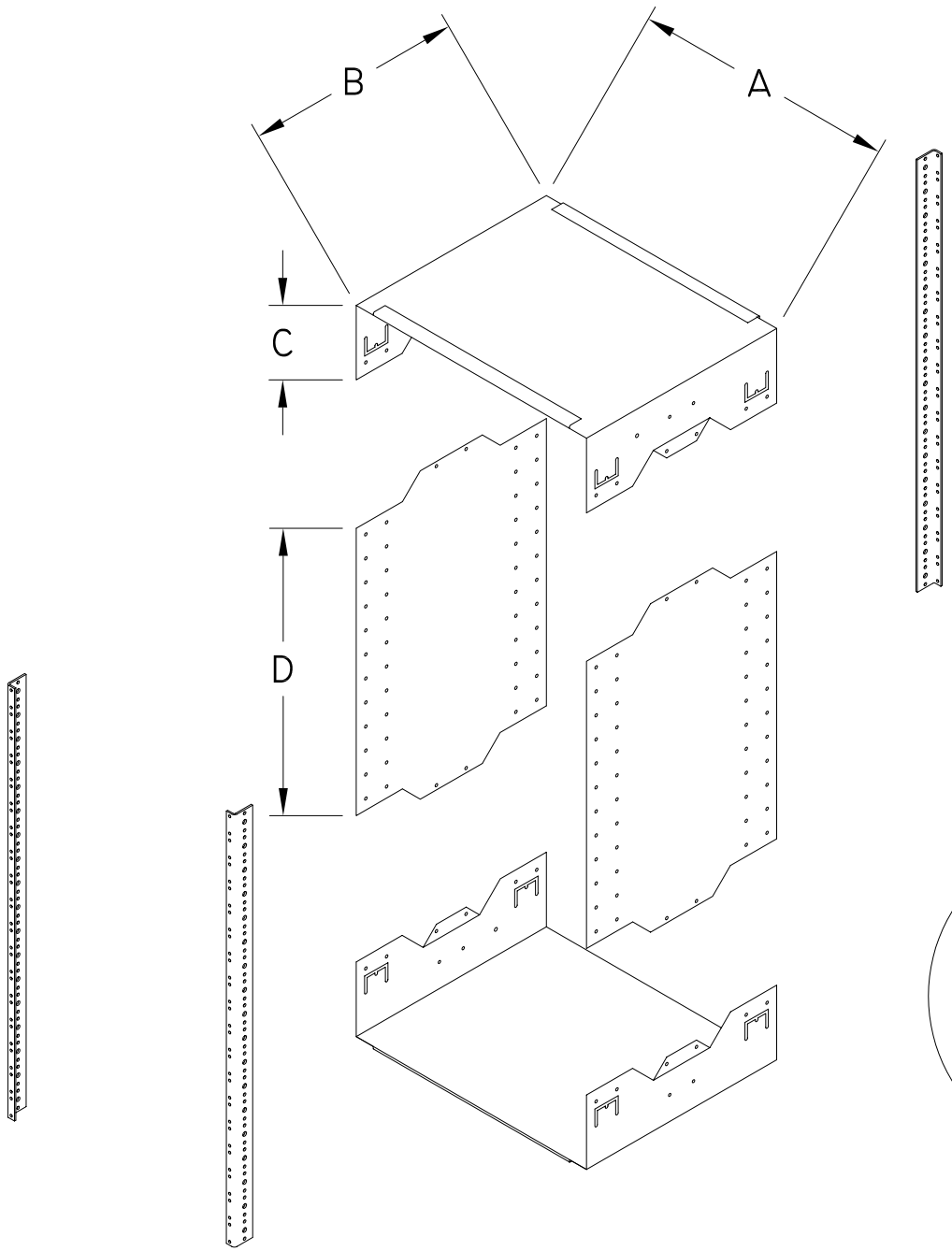
DIMENSIONS (IN.)				
NO. OF SPACES	A	B	C	D
6	19 3/8	23 1/2	5 7/16	-
7	19 3/8	23 1/2	5 7/16	1.686
8	19 3/8	23 1/2	5 7/16	3.436
9	19 3/8	23 1/2	5 7/16	5.186
10	19 3/8	23 1/2	5 7/16	6.936
11	19 3/8	23 1/2	5 7/16	8.686
12	19 3/8	23 1/2	5 7/16	10.436
13	19 3/8	23 1/2	5 7/16	12.186
14	19 3/8	23 1/2	5 7/16	13.936
15	19 3/8	23 1/2	5 7/16	15.686
16	19 3/8	23 1/2	5 7/16	17.436
17	19 3/8	23 1/2	5 7/16	19.186
18	19 3/8	23 1/2	5 7/16	20.936
19	19 3/8	23 1/2	5 7/16	22.686
20	19 3/8	23 1/2	5 7/16	24.436
21	19 3/8	23 1/2	5 7/16	26.186
22	19 3/8	23 1/2	5 7/16	27.936
23	19 3/8	23 1/2	5 7/16	29.686
24	19 3/8	23 1/2	5 7/16	31.436
25	19 3/8	23 1/2	5 7/16	33.186
26	19 3/8	23 1/2	5 7/16	34.936
27	19 3/8	23 1/2	5 7/16	36.686
28	19 3/8	23 1/2	5 7/16	38.436
29	19 3/8	23 1/2	5 7/16	40.186
30	19 3/8	23 1/2	5 7/16	41.936

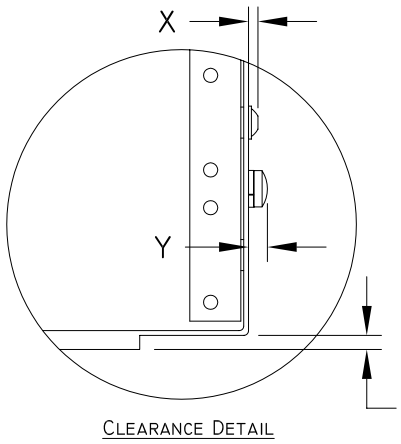
MATERIAL: 16 GA. CRS
FINISH: ZINC + YELLOW



CLEARANCE DETAIL

MINIMUM ALLOWABLE CLEARANCES
TOP : (Z) 3/16"
BOTTOM : (Z) 3/16"
SIDES :
(X) IF TERMINAL BRACKET IS NOT INSTALLED - 1/8"
(Y) IF TERMINAL BRACKET IS INSTALLED - 1/4"





Clearance Detail

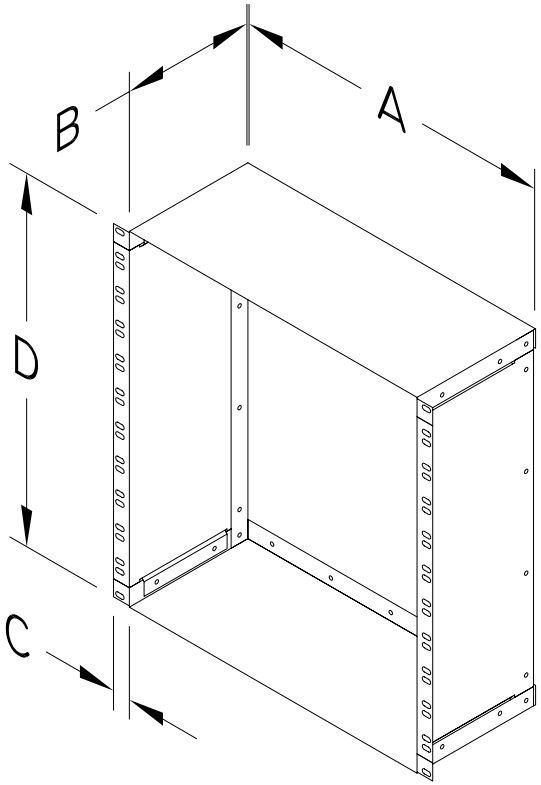
Liner Dimensions For Shallow Series
Reference Only

Dimensions (in.)				
No. of Spaces	A	B	C	D
6	19 3/8	16	5 7/16	-
7	19 3/8	16	5 7/16	1.686
8	19 3/8	16	5 7/16	3.436
9	19 3/8	16	5 7/16	5.186
10	19 3/8	16	5 7/16	6.936
11	19 3/8	16	5 7/16	8.686
12	19 3/8	16	5 7/16	10.436
13	19 3/8	16	5 7/16	12.186
14	19 3/8	16	5 7/16	13.936
15	19 3/8	16	5 7/16	15.686
16	19 3/8	16	5 7/16	17.436
17	19 3/8	16	5 7/16	19.186
18	19 3/8	16	5 7/16	20.936
19	19 3/8	16	5 7/16	22.686
20	19 3/8	16	5 7/16	24.436
21	19 3/8	16	5 7/16	26.186
22	19 3/8	16	5 7/16	27.936
23	19 3/8	16	5 7/16	29.686
24	19 3/8	16	5 7/16	31.436
25	19 3/8	16	5 7/16	33.186
26	19 3/8	16	5 7/16	34.936
27	19 3/8	16	5 7/16	36.686
28	19 3/8	16	5 7/16	38.436
29	19 3/8	16	5 7/16	40.186
30	19 3/8	16	5 7/16	41.936

Material: 16 ga. CRS
Finish: Zinc + Yellow

Minimum Allowable Clearances
Top : (Z) 3/16"
Bottom : (Z) 3/16"
Sides :
(X) If terminal bracket is NOT installed - 1/8"
(Y) If terminal bracket is installed - 1/4"

MATERIAL:	3003 ALUMINUM 5052-H32	REVISIONS			
FINISH:	BRUSHED AND BLACK ANODIZED (2700)	REV	DESCRIPTION	Date	APPROVED
SECONDARY OPS:	NONE				



LINER DIMENSIONS FOR 1 LID SERIES

DIMENSIONS (IN.)				
NO. OF SPACES	A	B	C	D
5	17 1/8	7 1/16	15/16	8 7/8
6	17 1/8	7 1/16	15/16	10 5/8
7	17 1/8	7 1/16	15/16	12 3/8
8	17 1/8	7 1/16	15/16	14 1/8
9	17 1/8	7 1/16	15/16	15 7/8
10	17 1/8	7 1/16	15/16	17 5/8
11	17 1/8	7 1/16	15/16	19 3/8
12	17 1/8	7 1/16	15/16	21 1/8
13	17 1/8	7 1/16	15/16	22 7/8
14	17 1/8	7 1/16	15/16	24 5/8
15	17 1/8	7 1/16	15/16	26 3/8
16	17 1/8	7 1/16	15/16	28 1/8
17	17 1/8	7 1/16	15/16	29 7/8
18	17 1/8	7 1/16	15/16	31 5/8
19	17 1/8	7 1/16	15/16	33 3/8
20	17 1/8	7 1/16	15/16	35 1/8
21	17 1/8	7 1/16	15/16	36 7/8
22	17 1/8	7 1/16	15/16	38 5/8
23	17 1/8	7 1/16	15/16	40 3/8
24	17 1/8	7 1/16	15/16	42 1/8
25	17 1/8	7 1/16	15/16	43 7/8
26	17 1/8	7 1/16	15/16	45 5/8
27	17 1/8	7 1/16	15/16	47 3/8
28	17 1/8	7 1/16	15/16	49 1/8
29	17 1/8	7 1/16	15/16	50 7/8
30	17 1/8	7 1/16	15/16	52 5/8

MATERIAL: 16 GA. CRS
FINISH: ZINC + YELLOW

TOLERANCES UNLESS OTHERWISE SPECIFIED:
X.XX ±.01
X.XXX ±.005
ANGLES ±1deg

Drawn By: MP
Checked By:

motion laboratories
520 FURNACE DOCK ROAD
CORTLANDT MANOR, NY 10567
(914) 788-8877

TITLE:
1 LID SERIES
LINER DIMENSIONS

SIZE: D | FSCM NO. | DWG NO. | REV: -
Scale: NA | Sheet: 1 of 1

motionlaboratories

power distribution and motor control systems

Chain Hoist / Motor Control

motionlaboratories
power distribution and motor control systems

About Chain Hoist Motor Controllers

Our modular motor control systems may be the most widely used hoist control systems in the entertainment industry today. Right down to our yellow handheld remote station, they are recognized wherever they go; Recognition that only comes from having proven themselves, time and again, in touring productions and installation sites around the world.

Connector Options

We have several popular and proven connector options available to ensure that you'll get the right type of power and control for your hoist. They consist of C-7 (Socapex compatible), P-14, Dual-Twist and the J-7 (Veam compatible). Less common options are not listed. If you have a specific need that isn't covered, please contact our sales department.

C-7 Connectors are a circular 92 Series threaded coupling-type connector.

The P-14 is a small, lightweight military style connector with a quarter-turn positive locking feature.

Dual-Twist is a combination of two connectors. One wired for power, one wired for control.

The J-7 is a small, lightweight military style connector with a quarter-turn positive locking feature.

Main 40

The Main 40 panel is where the main power input and control functions are located. Printed circuit cards are used for all control circuitry and the relay card is a field replaceable, quick disconnect piece. Dual interlocking contactors allow for phase reverse capability, enabling the user to adjust phasing for different situations. The Contactor Enable function allows local control for all hoists using control pendants (pickles), while disabling the Remote Station, creating a safe environment for hoist operation under any circumstance. The remote station interface is a 26-pin quarter-turn military-spec. connector that mounts on the Main 40 panel. All of this makes for an

extremely durable and versatile piece of motor control equipment.

motionlaboratories
power distribution and motor control systems

Handheld Remote Station

Our Small and Large Frame Handheld Remote Stations are the interface between the user and our Motor Control systems. Both can easily control any number or combination of hoists up to their configured maximum.

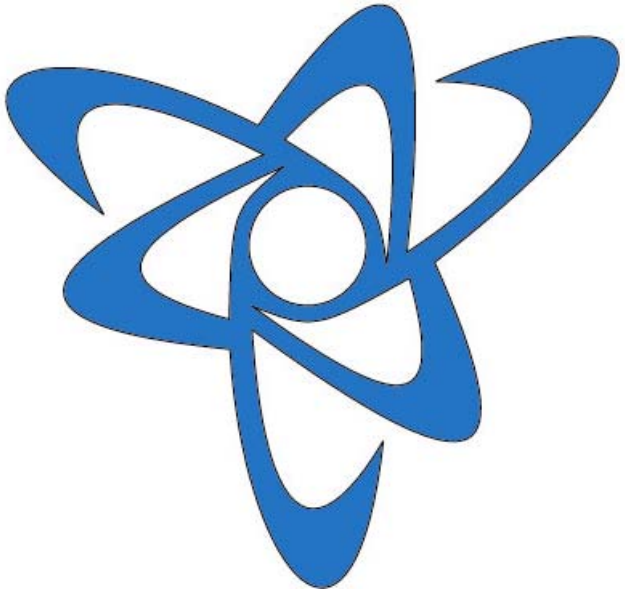
Making the most of its featherweight design, the Small Frame Handheld Remote comes configured for 4, 6 or 8 channels. The injection molded plastic housing is comfortably ergonomic, and engineered to be just large enough for the job at hand while avoiding the bulky and cumbersome structure of more industrial-oriented control devices. A single 26-pin connector on a 10' tail carries a maximum of 8 channels of control signals to the hoists.

The Large Frame Handheld Remote comes in configurations starting with 12 channels, and can be configured up to 40. Housed in a stout, injection molded plastic frame is the same field-proven technology used in our Small Frame unit. A set of guardrails protect the face from possible damage in harsh environments, and double as handles. The unit has multiple (min 2/max 5) 5' tails with 26-pin connectors, each carrying a maximum of 8 channels of control signal. Cable extensions are available.

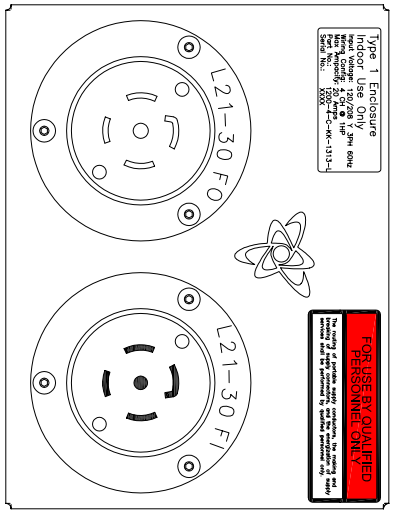
Features

>Lightweight, injection molded plastic frame.
>Individual Up/Down switches for each hoist.
>Illuminated 'GO' and 'KILL' buttons.
>Capable of operating up to 40 electric chain hoists by selection.

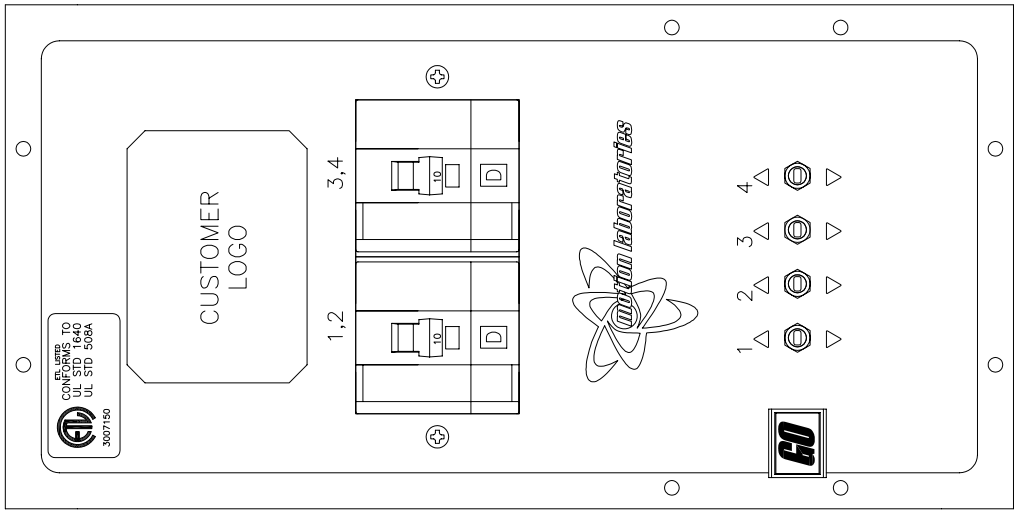
Motor Controllers - 7 Pin



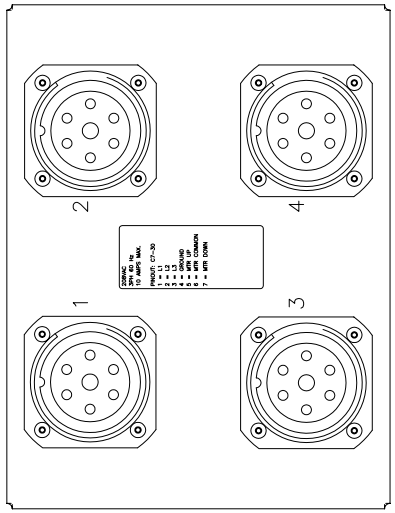
Input View



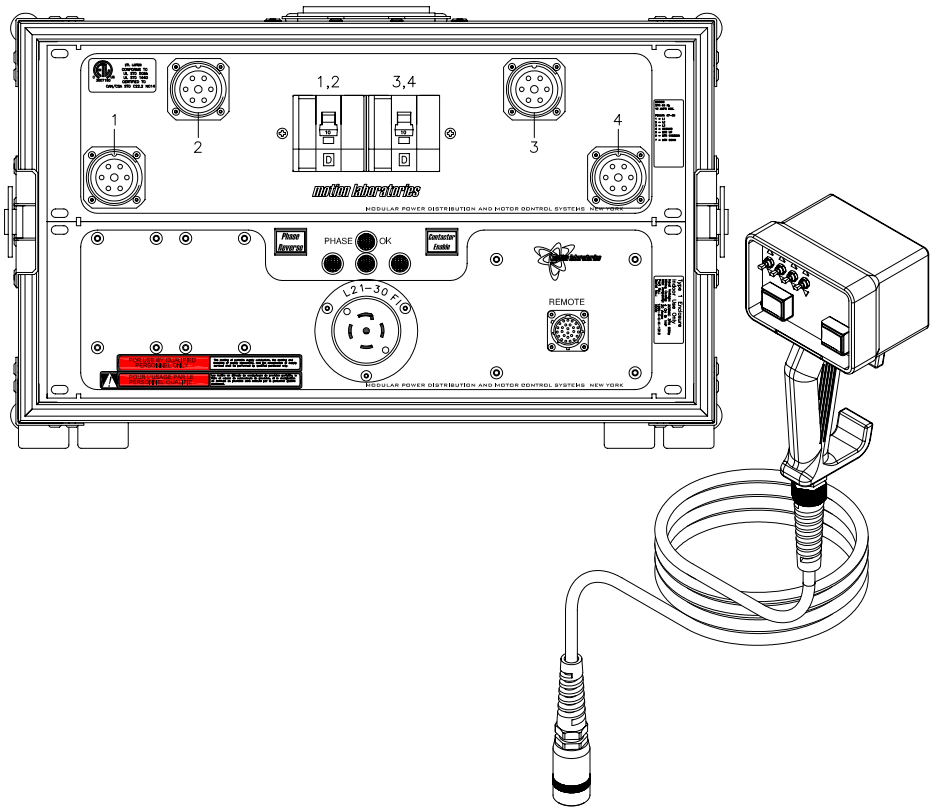
Top View



Output View



motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE C4 21-30 I/O, P7 local Modular motor control and power distribution system (C7-30)	DRAWN BY GMF	DATE DRAWN 16 FEB 07	SIZE A	DRAWING NUMBER 1200-4-C-KK-1313-L
		CHECKED BY PH	DATE CHECKED 2-20-07		REV B
		MODEL FILENAME & PATH V:\Assembly Drawings\Motor Controllers\4WAY LOCAL\1200-4-C-KK-1313-L.RevB.dwg		SCALE ---	SHT 1 OF 1



- Motion Labs 4 channel modular motor control and power distribution system.
  208 input (G, X, Y, Z) 3 Phase 5 Wire (Neutral Not Used)
- Ceep 7 output rated for up to 4 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 6 space 1 lid NEMA 1 Steel Liner.
- Unit is ETL Listed in Canada and the United States and conforms to UL Standards 1640 for Portable Power Distribution and UL 508A for Industrial Controls as well as Canadian CSA Standard C22.2 No. 14
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 208VAC 3PH 60Hz
Wiring Config: 4 CH @ 1HP
Max Ampacity: 20 Amps
Part No.: 1200-4-C-K-1313
Serial No.: XXXX

208VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: C7-30
1 = L1
2 = L2
3 = L3
4 = GROUND
5 = MTR UP
6 = MTR COMMON
7 = MTR DOWN

motionlaboratories
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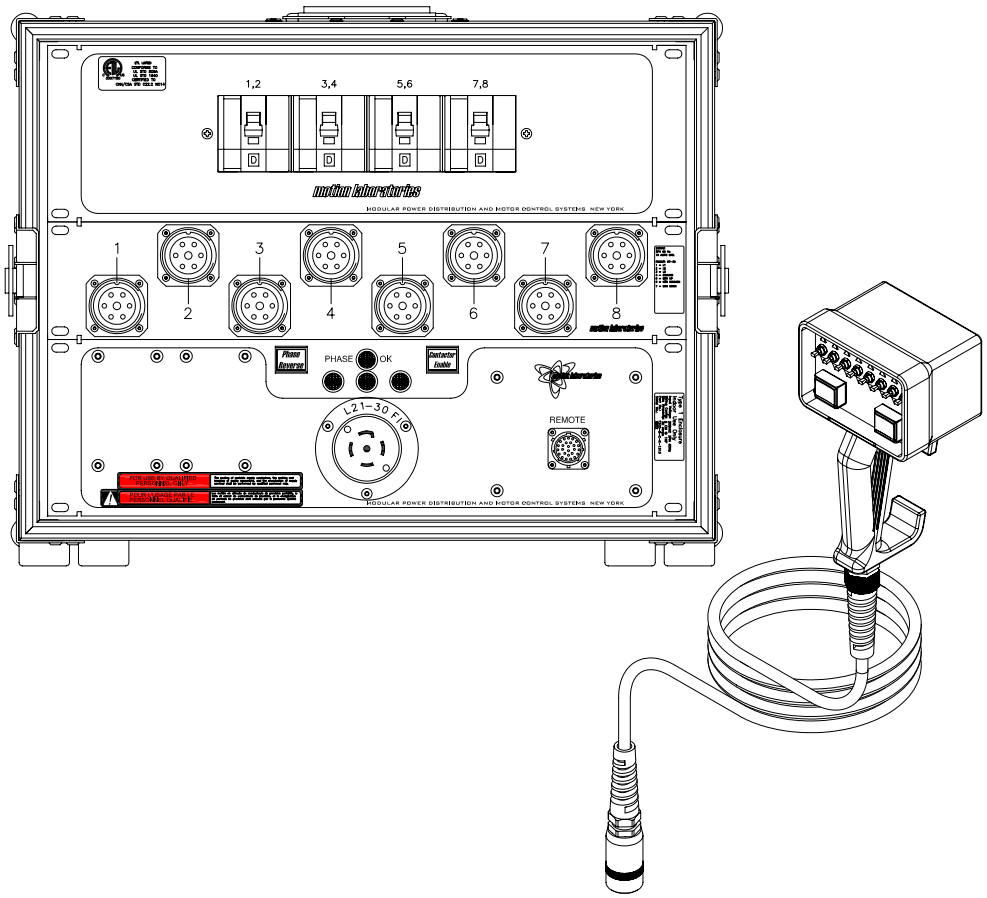
800-227-6784

TITLE	DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
Motor Control, 4 CH, Input 208V 3PH L21-30FI, C7, PO-5A-3/C7-30 2X10A3P, 6-1, w/Handheld	GMF	16 FEB 07	A	1200-4-C-K-1313	B
	CHECKED BY: PH	DATE CHECKED: 2-22-07			
MODEL FILENAME & PATH: V:\Assembly Drawings\Motor Controllers\04 Channel\1200-4-C-K-1313.RevB.dwg			SCALE: ---	SHT: 1 OF 1	



- Motion Labs 8 channel modular motor control and power distribution system.
  208 input (G, X, Y, Z) 3 Phase 5 Wire (Neutral Not Used)
- Ceep 7 output rated for up to 8 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 8 space 1 lid NEMA 1 Steel Liner.
- Unit is ETL Listed in Canada and the United States and conforms to UL Standards 1640 for Portable Power Distribution and UL 508A for Industrial Controls as well as Canadian CSA Standard C22.2 No. 14
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 208VAC 3PH 60Hz
Wiring Config: 8 CH @ 1HP
Max Ampacity: 30 Amps
Part No.: 1200-8-C-K-1313
Serial No.: XXXX

208VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: C7-30
1 = L1
2 = L2
3 = L3
4 = GROUND
5 = MTR UP
6 = MTR COMMON
7 = MTR DOWN

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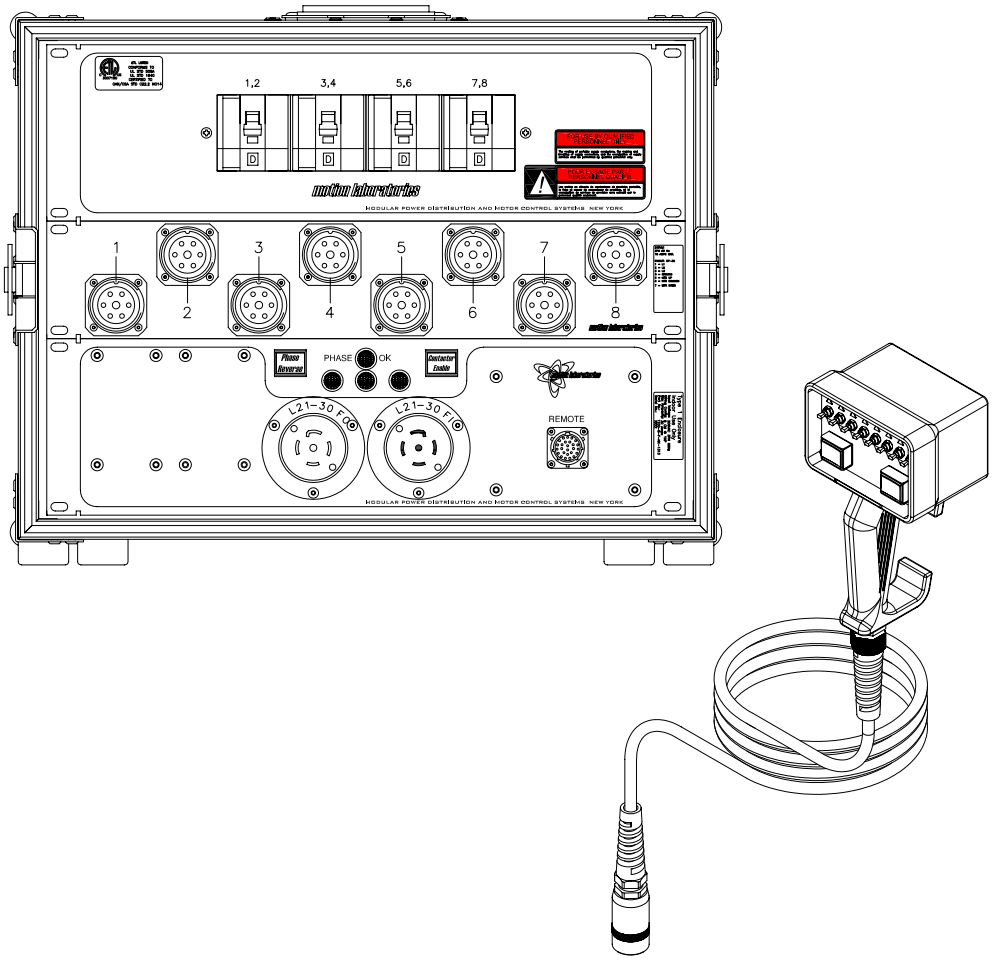
TITLE
Motor Control, 8 CH, Input 208V 3PH
Input 20L21-30FI, C7, PO-5A-3/C7-30,
4X10A3P, 8-1 w/Handheld

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
GMF	16 FEB 07	A	1200-8-C-K-1313	C
CHECKED BY	DATE CHECKED			
PH	2-22-07			

MODEL FILENAME & PATH: V:\Assembly Drawings\Motor Controllers\08 Channel\1200-8-C-K-1313.RevC.dwg
SCALE: ---
SHT: 1 OF 1



- Motion Labs 8 channel modular motor control and power distribution system.
  120/208 input (G,N, X, Y, Z) 3 Phase 5 Wire (For Pass Thru)
- Ceep 7 output rated for up to 8 1 HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 8 space 1 lid NEMA 1 Steel Liner.
- Unit is ETL Listed in Canada and the United States and conforms to UL Standards 1640 for Portable Power Distribution and UL 508A for Industrial Controls as well as Canadian CSA Standard C22.2 No. 14
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 208VAC 3PH 60Hz
Wiring Config: 8 CH @ 1HP
Max Ampacity: 30 Amps
Part No.: 1200-8-F-KK-1313
Serial No.: XXXX

208VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: C7-30
1 = L1
2 = L2
3 = L3
4 = GROUND
5 = MTR UP
6 = MTR COMMON
7 = MTR DOWN

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TITLE

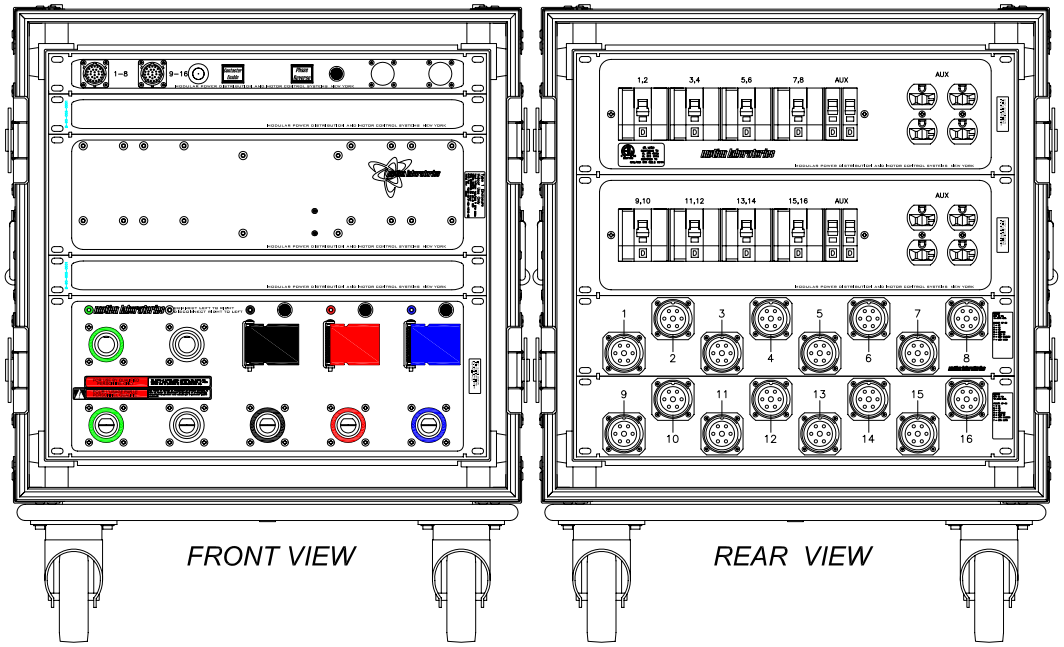
Motor Control, 8 CH, Input 208V 3PH L21-30FI/FO, C7, PO-5A-3/C7-30, 4X10A3P, 8-1, w/Handheld

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-21-07	A	1200-8-F-KK-1313	-
CHECKED BY	DATE CHECKED			
PH	2-22-07			

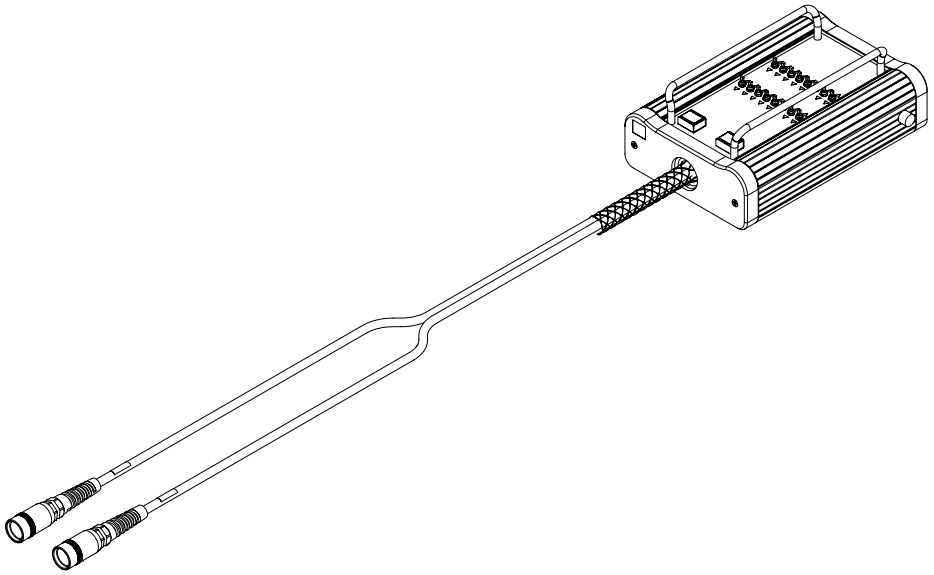
MODEL FILENAME & PATH: V:\Assembly Drawings\Motor Controllers\08 Channel\1200-8-F-KK-1313.dwg

SCALE: -

SHT: 1 OF 1



- Motion Labs 16 channel modular motor control and power distribution system.
  120/208 input (G,N, X, Y, Z) 3 Phase 5 Wire (For Pass Thru)
- Ceep 7 output rated for up to 16 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 10 space 2 lid NEMA 1 Steel Liner.
- Unit is ETL Listed in Canada and the United States and conforms to UL Standards 1640 for Portable Power Distribution and UL 508A for Industrial Controls as well as Canadian CSA Standard C22.2 No. 14
- Qualified Personnel Only



Type 1 Enclosure
Indoor Use Only
Input Voltage: 120/208 Y 3PH 60Hz
Wiring Config: 16 CH @ 1HP
Max Ampacity: 80 Amps
Part No.: 1200-16-F-SS-1313-02
Serial No.: XXXX

208VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: C7-30
1 = L1
2 = L2
3 = L3
4 = GROUND
5 = MTR UP
6 = MTR COMMON
7 = MTR DOWN

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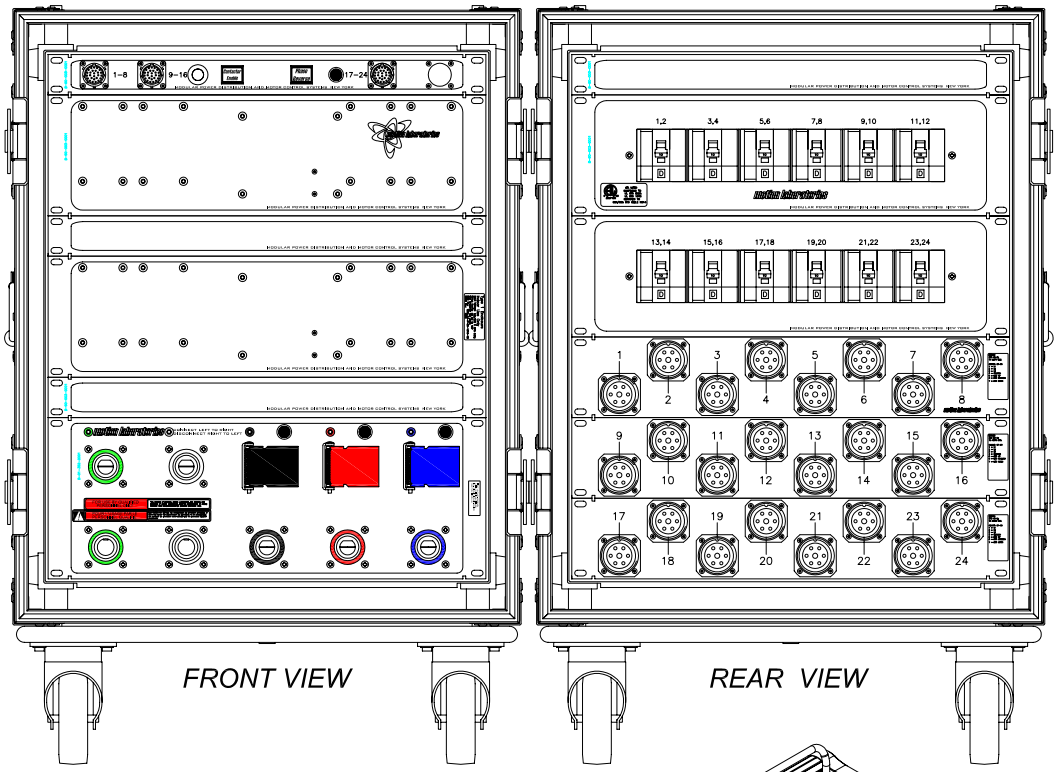
800-227-6784

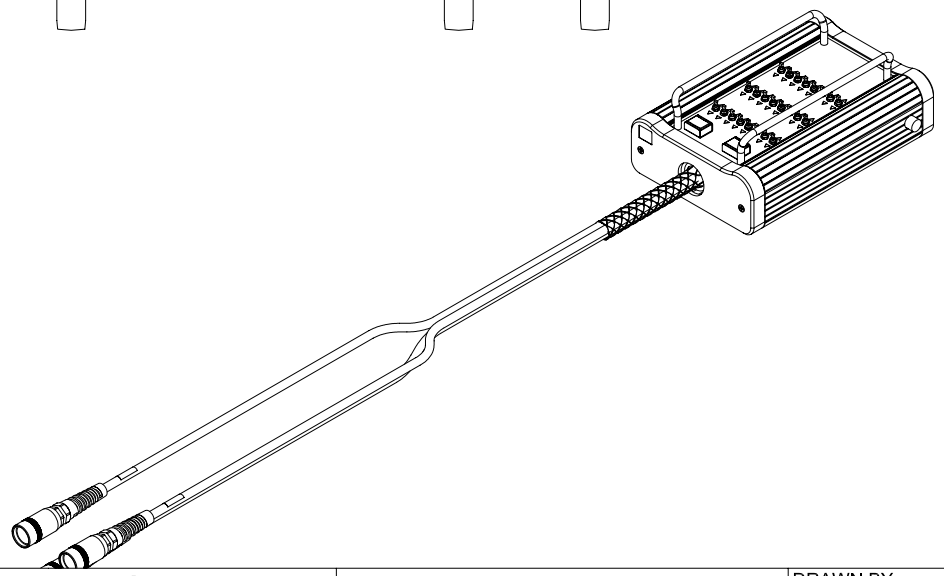
TITLE
Motor Control, 16 CH, Input 120/208Y 3PH CAM10, C7, PO-5A-3/C7-30, 8X10A3P, 10-2, SQD14, w/Handheld

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
JH	19 FEB 07	A	1200-16-F-RR-1313-02	B
CHECKED BY	DATE CHECKED			
PH	2-22-07			

MODEL FILENAME & PATH: V:\Assembly Drawings\Motor Controllers\16 Channel\1200-16-F-RR-1313-02.RevB.dwg
SCALE: ---
SHT: 1 OF 1



FRONT VIEW *REAR VIEW*



- Motion Labs 24 channel modular motor control and power distribution system.
  120/208 input (G,N, X, Y, Z) 3 Phase 5 Wire (For Pass Thru)
- Ceep 7 output rated for up to 24 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 13 space 2 lid NEMA 1 Steel Liner.
- Unit is ETL Listed in Canada and the United States and conforms to UL Standards 1640 for Portable Power Distribution and UL 508A for Industrial Controls as well as Canadian CSA Standard C22.2 No. 14
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 208VAC 3PH 60Hz
Wiring Config: 24 CH @ 1HP
Max Ampacity: 120 Amps
Part No.: 1200-24-F-SS-1313-02
Serial No.: XXXX

208VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: C7-30
1 = L1
2 = L2
3 = L3
4 = GROUND
5 = MTR UP
6 = MTR COMMON
7 = MTR DOWN

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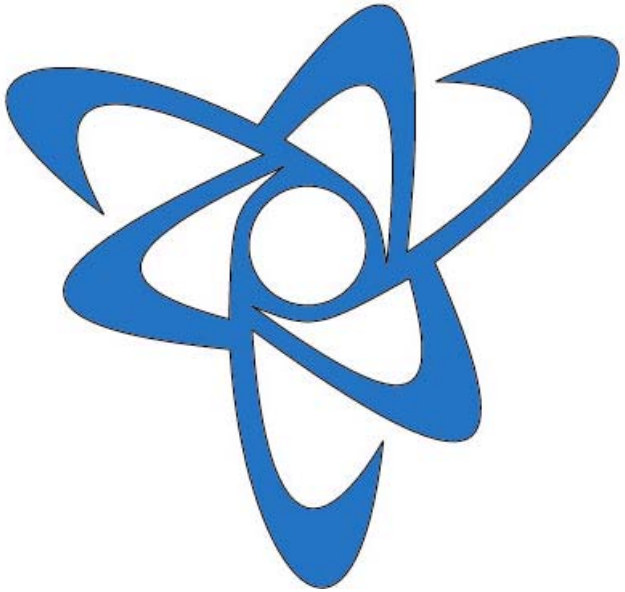
TITLE
Motor Control, 24 CH,
Input 120/208Y 3PH CAM10RGN, C7,
PO-5A-3/C7-30, 12X10A3P, 13-2, w/Handheld

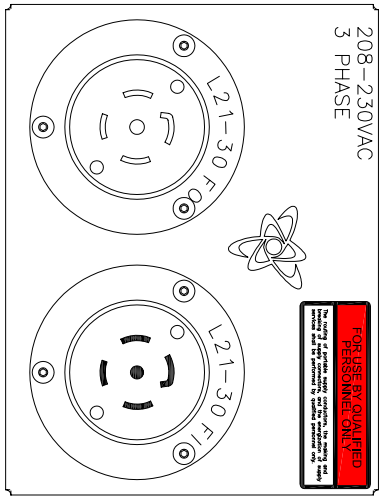
DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
JH	19 FEB 07	A	1200-24-F-SS-1313-02	-
CHECKED BY	DATE CHECKED			

MODEL FILENAME & PATH: V:\Assembly Drawings\Motor Controllers\24 Channel\1200-24-F-SS-1313-02.dwg
SCALE: ---
SHT: 1 OF 1

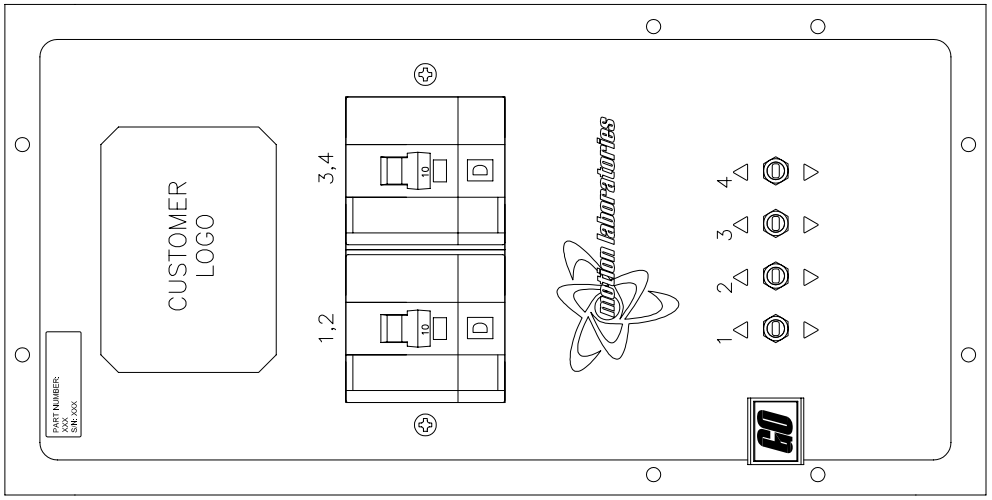
Motor Controllers - 14 Pin



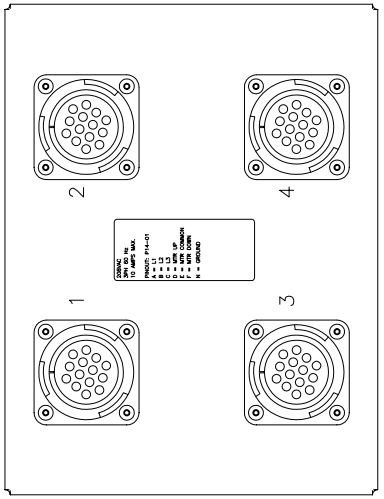
Input View



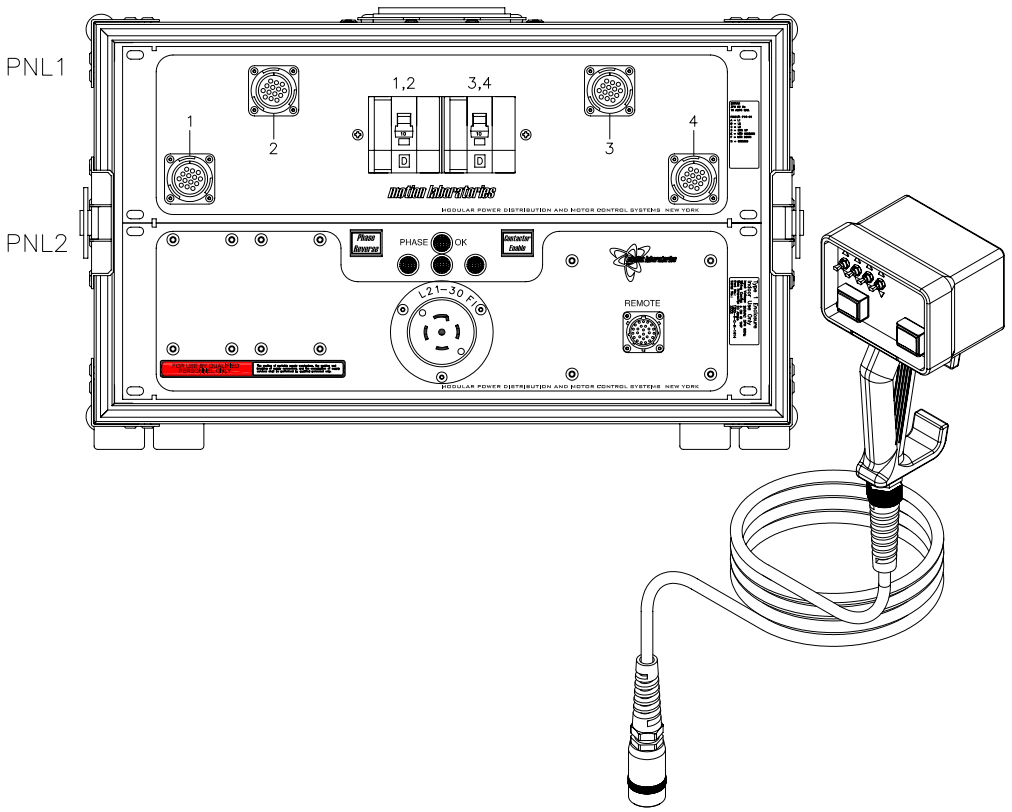
Top View



Output View



motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE C4 21-30 I/O, P14 local Modular motor control and power distribution system	DRAWN BY DH	DATE DRAWN 16 FEB 07	SIZE A	DRAWING NUMBER 1200-4-C-KK-1414-L
		CHECKED BY PH	DATE CHECKED 2-22-07		REV D
		MODEL FILENAME & PATH V:\Assembly Drawings\Motor Controllers\4WAY LOCAL\1200-4-C-KK-1414-L.REV D.dwg		SCALE -	SHT 1 OF 1



- Motion Labs 4 channel modular motor control and power distribution system.
  208 input (G, X, Y, Z) 3 Phase 5 Wire (Neutral Not Used)
- P-14 output rated for up to 4 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 6 space 1 lid NEMA 1 Steel Liner.
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 208VAC 3PH 60Hz
Wiring Config: 4 CH @ 1HP
Max Ampacity: 20 Amps
Part No.: 1200-4-C-K-1414
Serial No.: XXXX

208VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: P14-01
A = L1
B = L2
C = L3
D = MTR UP
E = MTR COMMON
F = MTR DOWN
N = GROUND

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TITLE
Motor Control, 4 CH,
Input 208V 3PH L21-30FI, P14,
2X10A3P, 6-1, w/Handheld

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
DH	16 FEB 07	A	1200-4-C-K-1414	B
CHECKED BY	DATE CHECKED			
PH	2-22-07			

MODEL FILENAME & PATH: V:\Assembly Drawings\Motor Controllers\04 Channel\1200-4-C-K-1414.RevB.dwg
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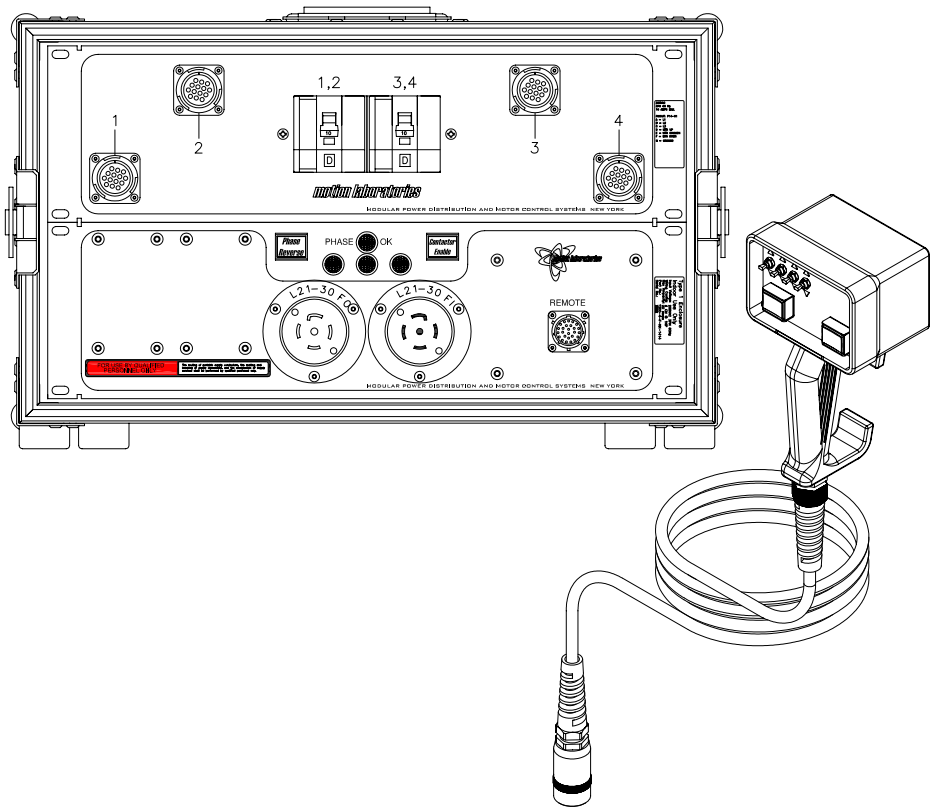
SHT: 1 OF 1



- Motion Labs 4 channel modular motor control and power distribution system.
  120/208 input (G, N, X, Y, Z) 3 Phase 5 Wire (For Pass Thru)
- P-14 output rated for up to 4 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 6 space 1 lid NEMA 1 Steel Liner.
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 208VAC 3PH 60Hz
Wiring Config: 4 CH @ 1HP
Max Ampacity: 20 Amps
Part No.: 1200-4-F-KK-1414
Serial No.: XXXX

208VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: P14-01
A = L1
B = L2
C = L3
D = MTR UP
E = MTR COMMON
F = MTR DOWN
N = GROUND

motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

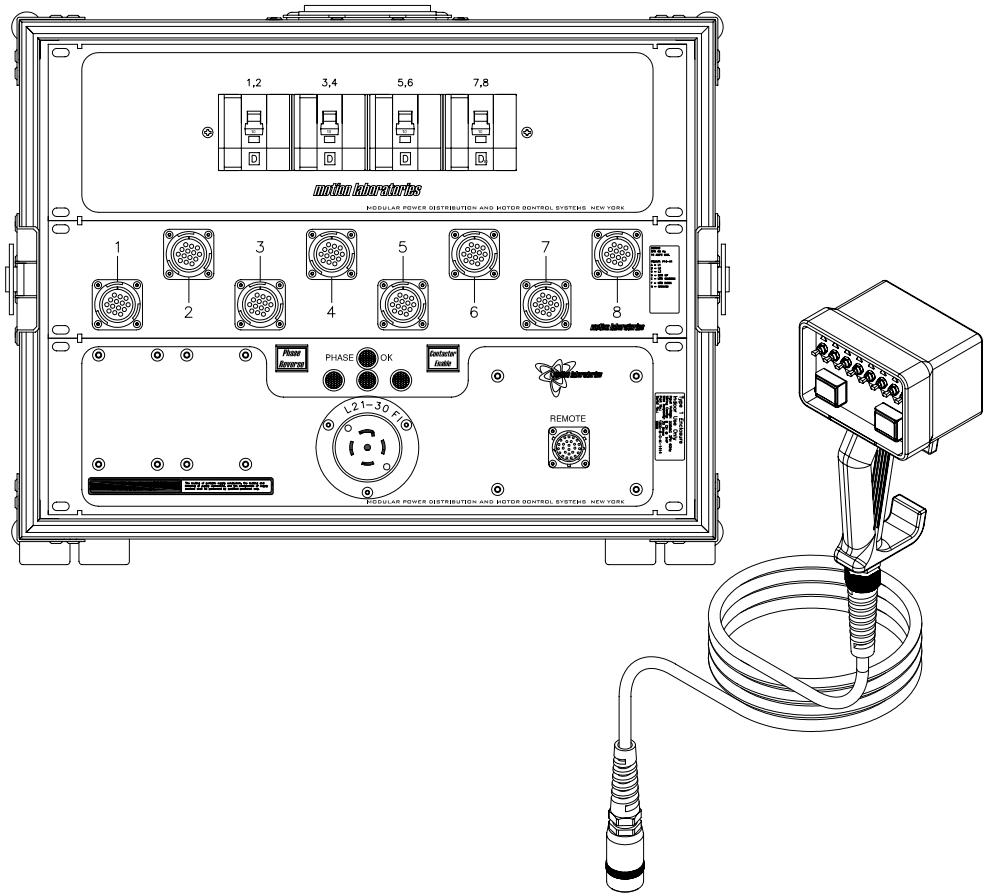
TITLE
Motor Control, 4 CH, Input 120/208 Y 3PH L21-30FI/FO, P14, 2X10A3P, 6-1, w/Handheld

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-22-07	A	1200-4-F-KK-1414	-
CHECKED BY	DATE CHECKED			
JC	2-22-07			

MODEL FILENAME & PATH: V:\Assembly Drawings\Motor Controllers\04 Channel\1200-8-F-KK-1414-RevC.dwg

SCALE: -

SHT: 1 OF 1



- Motion Labs 8 channel modular motor control and power distribution system.
  208 input (G, X, Y, Z) 3 Phase 5 Wire (Neutral Not Used)
- P-14 output rated for up to 8 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 8 space 1 lid NEMA 1 Steel Liner.
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 208VAC 3PH 60Hz
Wiring Config: 8 CH @ 1HP
Max Ampacity: 30 Amps
Part No.: 1200-8-C-K-1414
Serial No.: XXXX

208VAC
3PH 60 Hz
10 AMPS MAX.

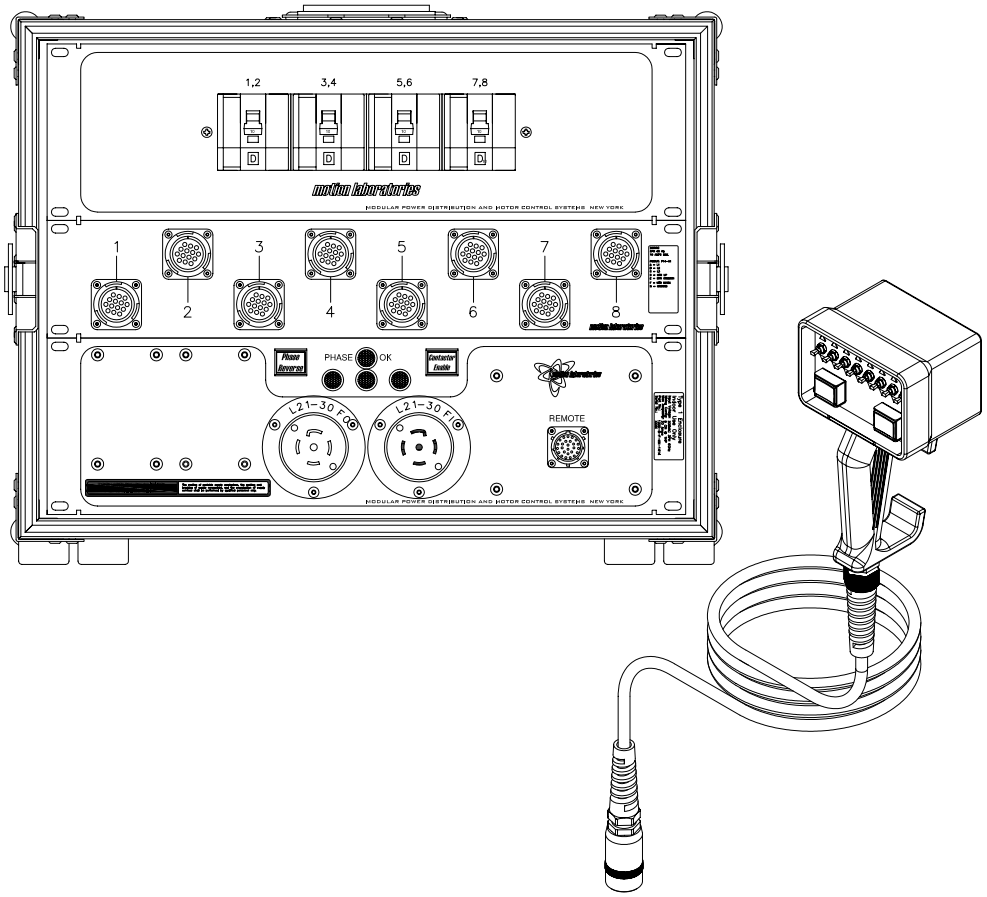
PINOUT: P14-01
A = L1
B = L2
C = L3
D = MTR UP
E = MTR COMMON
F = MTR DOWN
N = GROUND

motionlaboratories
520 Furnace Dock Road Cortlandt Manor, NY 10567
800-227-6784

TITLE
Motor Control, 8 CH, Input 208V 3PH
L21-30FI, P14, 4X10A3P, 8-1,
w/Handheld

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
DH	19 FEB 07	A	1200-8-C-K-1414	C
CHECKED BY	DATE CHECKED			
PH	2-22-07			

MODEL FILENAME & PATH: V:\Assembly Drawings\Motor Controllers\08 Channel\1200-8-C-K-1414.RevC.dwg
SCALE: -
SHT: 1 OF 1



- Motion Labs 8 channel modular motor control and power distribution system.
  120/208 input (G, N, X, Y, Z) 3 Phase 5 Wire (For Pass Thru)
- P-14 output rated for up to 8 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 8 space 1 lid NEMA 1 Steel Liner.
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 208VAC 3PH 60Hz
Wiring Config: 8 CH @ 1HP
Max Ampacity: 30 Amps
Part No.: 1200-8-F-KK-1414
Serial No.: XXXX

208VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: P14-01
A = L1
B = L2
C = L3
D = MTR UP
E = MTR COMMON
F = MTR DOWN
N = GROUND

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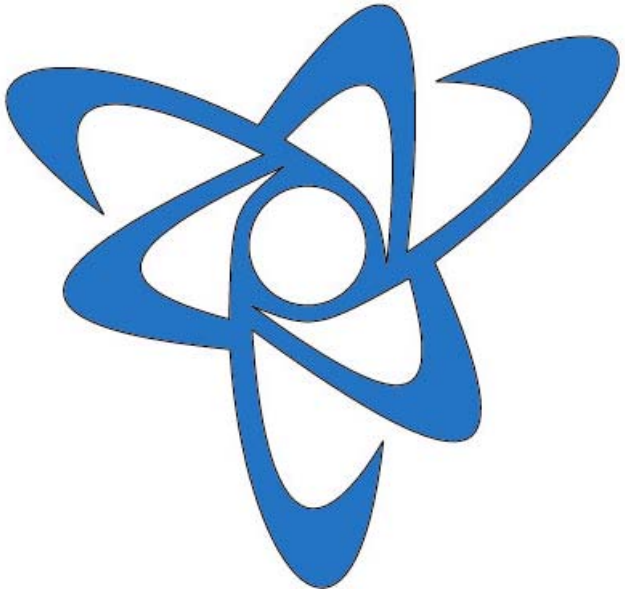
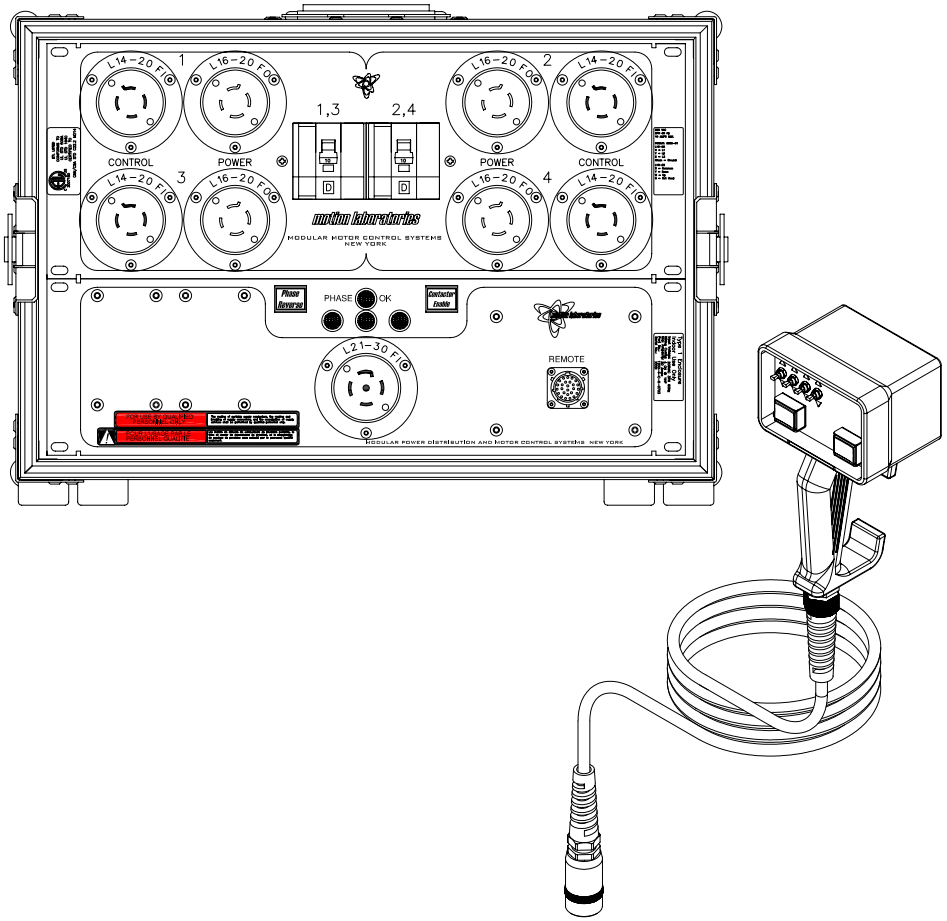
TITLE
Motor Control, 8 CH, Input 120/208Y
3PH L21-30FI/FO, P14,
4X10A3P, 8-1, w/Handheld

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
DH	19 FEB 07	A	1200-8-F-KK-1414	D
CHECKED BY	DATE CHECKED			

MODEL FILENAME & PATH: V:\Assembly Drawings\Motor Controllers\08 Channel\1200-8-F-KK-1414.RevD.dwg
SCALE: -
SHT: 1 OF 1

Motor Controllers - Dual Twist





- Motion Labs 4 channel modular motor control and power distribution system.
  208 input (G, X, Y, Z) 3 Phase 5 Wire (Neutral Not Used)
- Dual Twist output rated for up to 4 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 7 space 1 lid NEMA 1 Steel Liner.
- Unit is ETL Listed in Canada and the United States and conforms to UL Standards 1640 for Portable Power Distribution and UL 508A for Industrial Controls as well as Canadian CSA Standard C22.2 No. 14
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 208VAC 3PH 60Hz
Wiring Config: 4 CH @ 1HP
Max Ampacity: 20 Amps
Part No.: 1200-4-C-K-0703
Serial No.: XXXX

208 VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: 0900-01
L16-20
X = L1
Y = L2
Z = L3
Green = Ground

L14-20
X = Common
Y = Down
W = Up
G = Not Used

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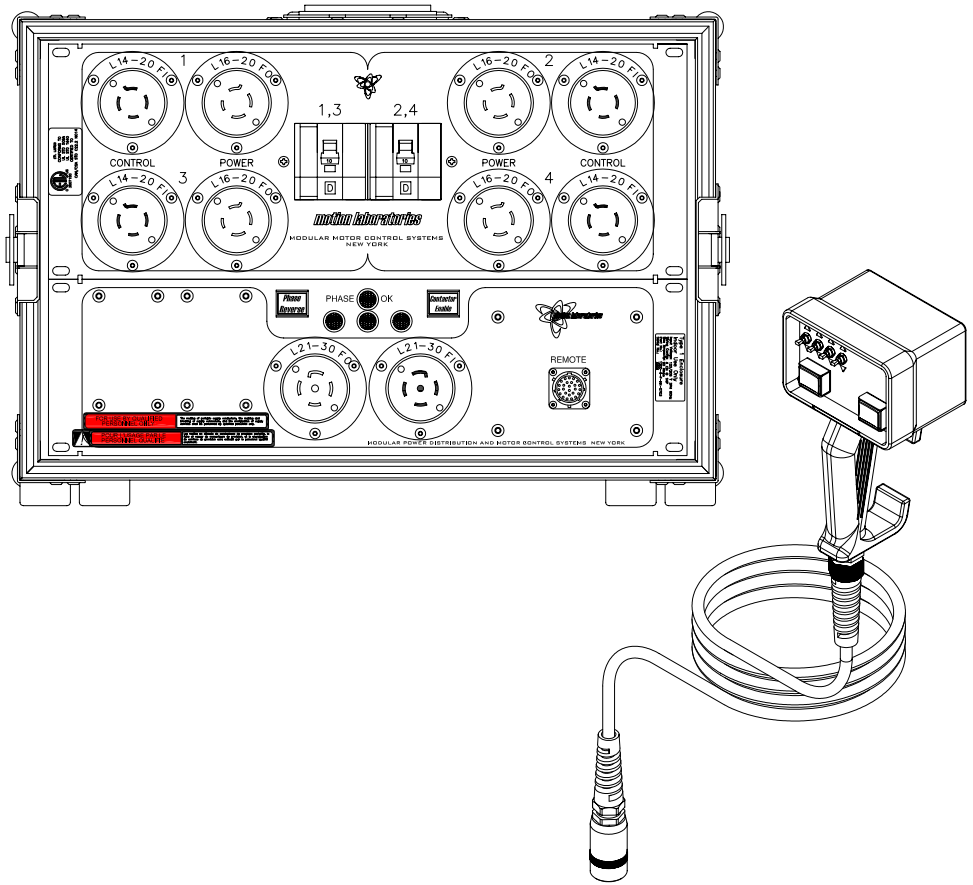
TITLE
Motor Control, 4 CH, Input 208V 3PH L21-30FI, DT L16-20 Pwr L14-20 Ctrl, PO-3A-A/0900-01, 2X10A3P, 7-1, w/Handheld

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
JH	19 FEB 07	A	1200-4-C-K-0703	C
CHECKED BY	DATE CHECKED			
PH	2-22-07			

MODEL FILENAME & PATH: V:\Assembly Drawings\Motor Controllers\04 Channel\1200-4-C-K-0703.RevC.dwg
SCALE: ---
SHT: 1 OF 1



- Motion Labs 4 channel modular motor control and power distribution system.
  120/208 input (G, N, X, Y, Z) 3 Phase 5 Wire (For Pass Thru)
- Dual Twist output rated for up to 4 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 7 space 1 lid NEMA 1 Steel Liner.
- Unit is ETL Listed in Canada and the United States and conforms to UL Standards 1640 for Portable Power Distribution and UL 508A for Industrial Controls as well as Canadian CSA Standard C22.2 No. 14
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 120/208 Y 3PH 60Hz
Wiring Config: 4 CH @ 1HP
Max Ampacity: 20 Amps
Part No.: 1200-4-F-KK-0703
Serial No.: XXXX

208 VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: 0900-01
L16-20
X = L1
Y = L2
Z = L3
Green = Ground

L14-20
X = Common
Y = Down
W = Up
G = Not Used

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TITLE
Motor Control, 4 CH, Input 208V 3PH L21-30FI/FO, DT L16-20 Pwr L14-20 Ctrl, PO-3A-A/0900-01, 2X10A3P, 7-1, w/Handheld

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-22-07	A	1200-4-F-KK-0703	-
CHECKED BY	DATE CHECKED			
JC	2-22-07			

MODEL FILENAME & PATH: V:\Assembly Drawings\Motor Controllers\04 Channel\1200-4-F-KK-0703.dwg
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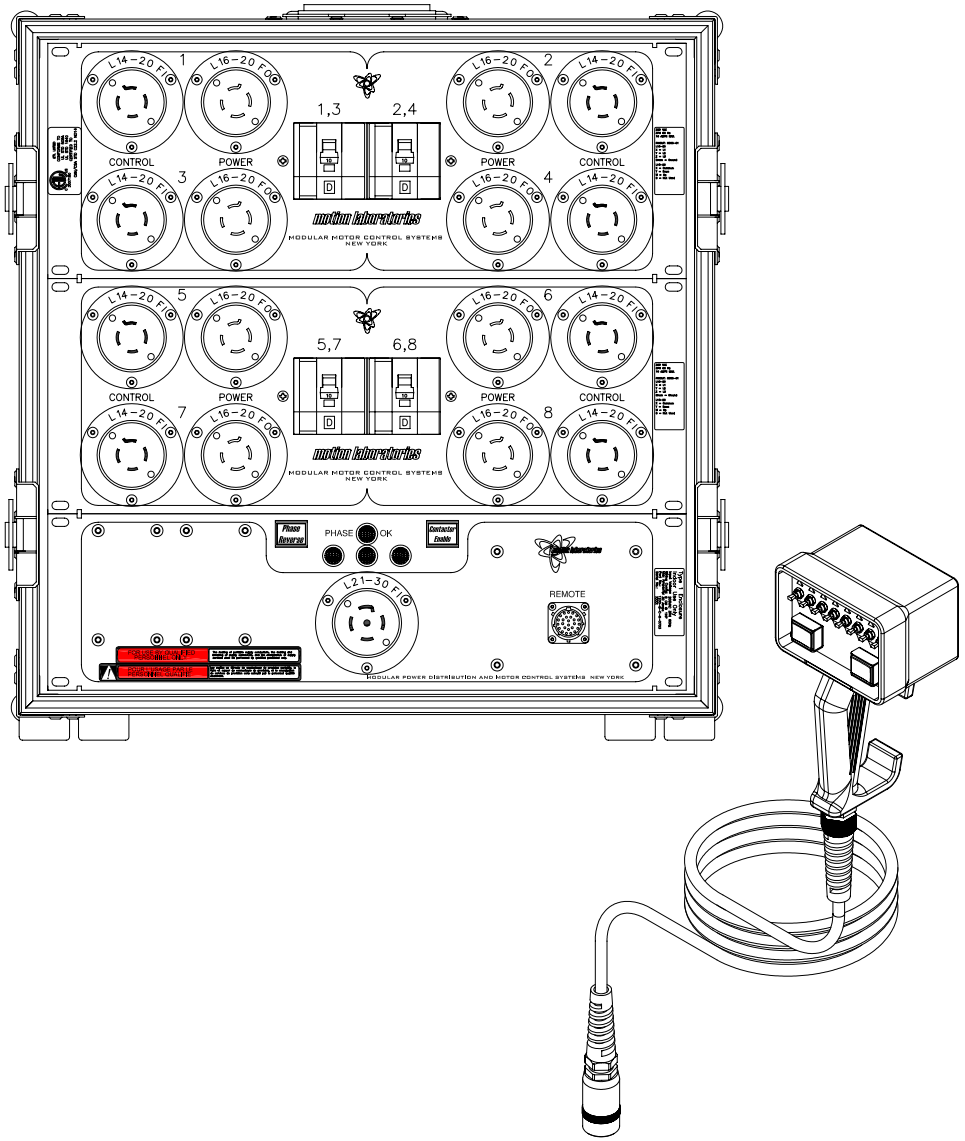
SHT: 1 OF 1



- Motion Labs 8 channel modular motor control and power distribution system.
  208 input (G, X, Y, Z) 3 Phase 5 Wire (Neutral Not Used)
- Dual Twist output rated for up to 8 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 11 space 1 lid NEMA 1 Steel Liner.
- Unit is ETL Listed in Canada and the United States and conforms to UL Standards 1640 for Portable Power Distribution and UL 508A for Industrial Controls as well as Canadian CSA Standard C22.2 No. 14
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 208VAC 3PH 60Hz
Wiring Config: 8 CH @ 1HP
Max Ampacity: 30 Amps
Part No.: 1200-8-C-K-0703
Serial No.: XXXX

208 VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: 0900-01
L16-20
X = L1
Y = L2
Z = L3
Green = Ground

L14-20
X = Common
Y = Down
W = Up
G = Not Used

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TITLE
Motor Control, 8 CH, Input 208V 3PH L21-30FI DT L16-20 Pwr L14-20 Ctrl, PO-3A-A/0900-01, 4X10A3P, 11-1, w/Handheld

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
JH	19 FEB 07	A	1200-8-C-K-0703	C
CHECKED BY	DATE CHECKED			
PH	2-22-07			

MODEL FILENAME & PATH: V:\Assembly Drawings\Motor Controllers\08 Channel\1200-8-C-K-0703.RevC.dwg
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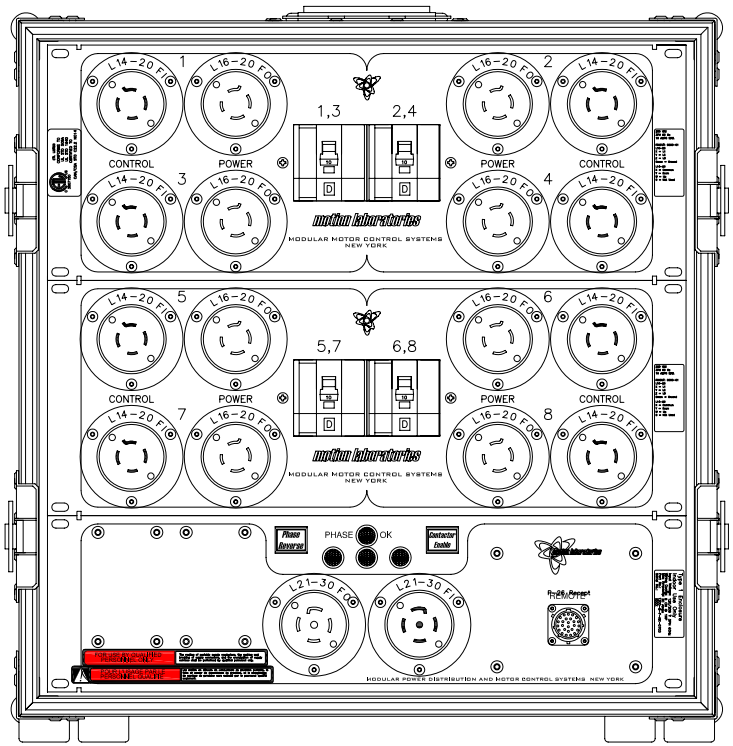
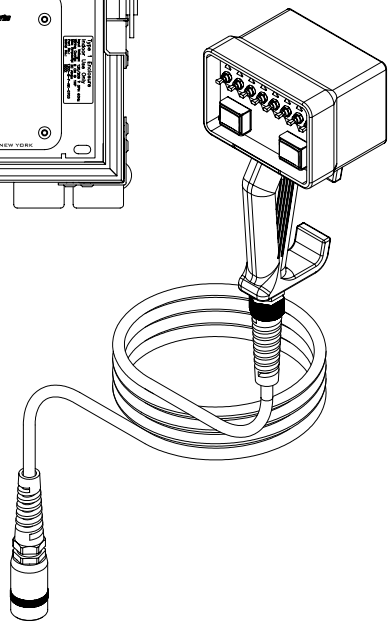
SHT: 1 OF 1





- Motion Labs 8 channel modular motor control and power distribution system.
  120/208 input (G, N, X, Y, Z) 3 Phase 5 Wire (For Pass Thru)
- Dual Twist output rated for up to 8 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 11 space 1 lid NEMA 1 Steel Liner.
- Unit is ETL Listed in Canada and the United States and conforms to UL Standards 1640 for Portable Power Distribution and UL 508A for Industrial Controls as well as Canadian CSA Standard C22.2 No. 14
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 120/208 Y 3PH 60Hz
Wiring Config: 8 CH @ 1HP
Max Ampacity: 30 Amps
Part No.: 1200-8-F-KK-0703
Serial No.: XXXX

208 VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: 0900-01
L16-20
X = L1
Y = L2
Z = L3
Green = Ground

L14-20
X = Common
Y = Down
W = Up
G = Not Used

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TITLE
Motor Control, 8 CH, Input 208V 3PH L21-30FI/FO, DT L16-20 Pwr L14-20 Ctrl, PO-3A-A/0900-01, 4X10A3P, 11-1, w/Handheld

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-22-07	A	1200-8-F-KK-0703	-
CHECKED BY	DATE CHECKED			
JC	2-22-07			

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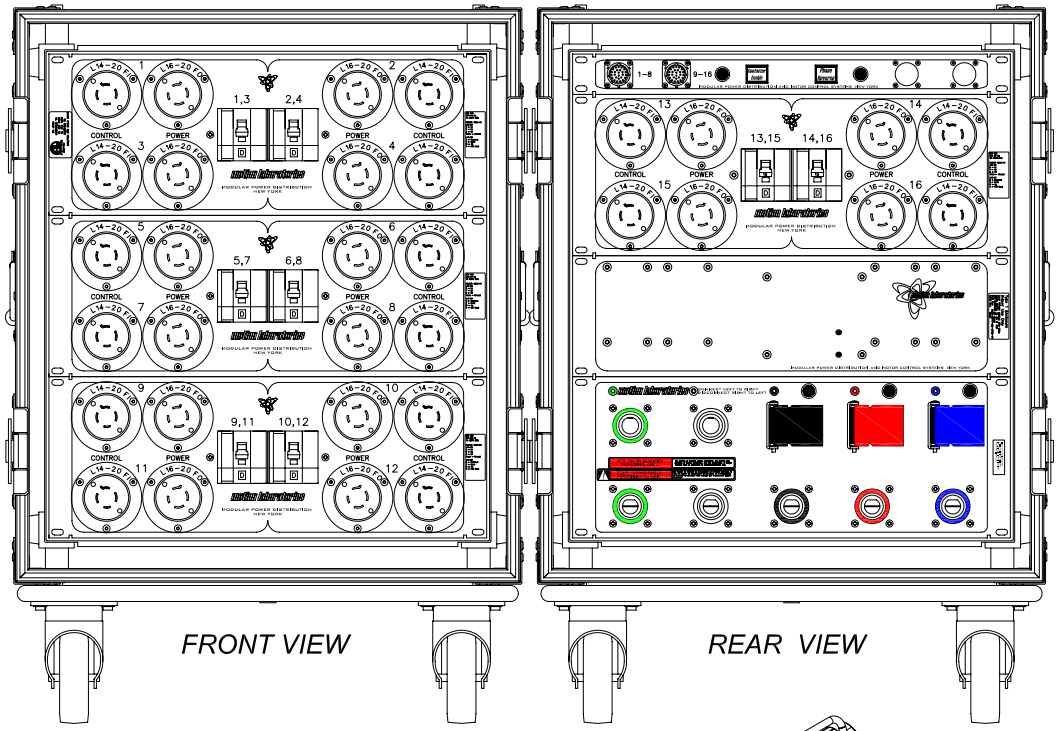
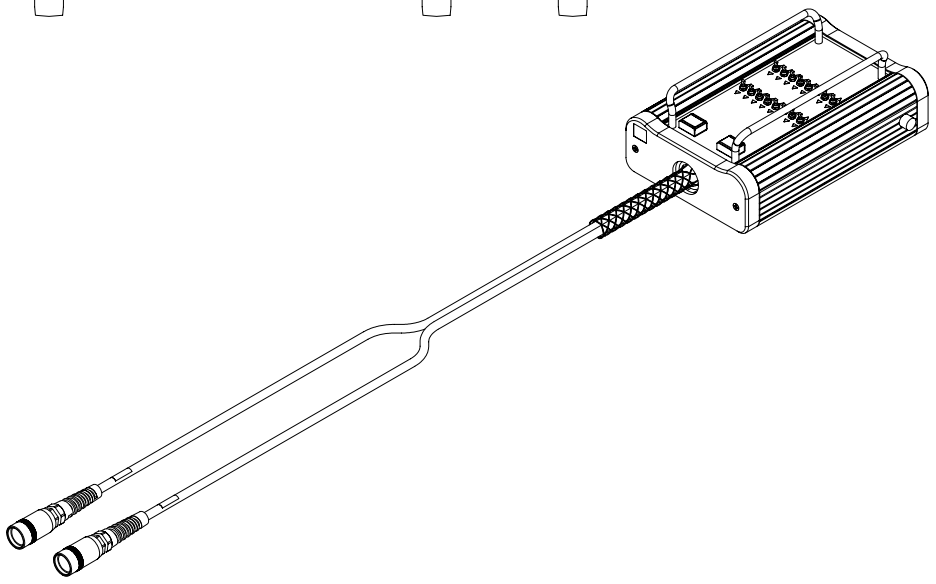
SHT: 1 OF 1





- Motion Labs 16 channel modular motor control and power distribution system.
  120/208 input (G, N, X, Y, Z) 3 Phase 5 Wire (For Pass Thru)
- Dual Twist output rated for up to 16 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 12 space 2 lid NEMA 1 Steel Liner.
- Unit is ETL Listed in Canada and the United States and conforms to UL Standards 1640 for Portable Power Distribution and UL 508A for Industrial Controls as well as Canadian CSA Standard C22.2 No. 14
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 230VAC 3PH 60Hz
Wiring Config: 16 CH @ 1HP
Max Ampacity: 80 Amps
Part No.: 1200-16-F-RR-0703-01
Serial No.: XXXX

208 VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: 0900-01
L16-20
X = L1
Y = L2
Z = L3
Green = Ground

L14-20
X = Common
Y = Down
W = Up
G = Not Used

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TITLE
Motor Control, 16 CH, Input 120/208 Y 3PH CAM10, DT L16-20 Pwr L14-20 Ctrl, PO-3A-A/0900-01, 8X10A3P, 12-2, w/Handheld

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
PH	2-22-07	A	1200-16-F-RR-0703-01	
CHECKED BY	DATE CHECKED			
JC	2-22-07			

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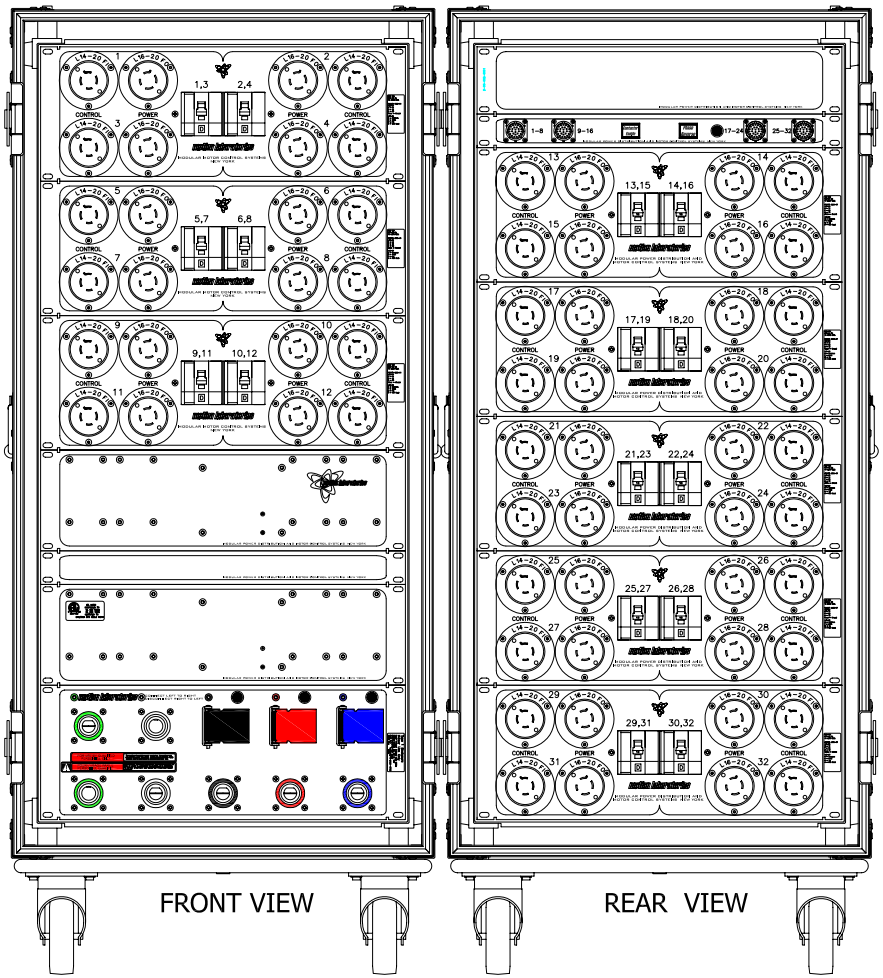

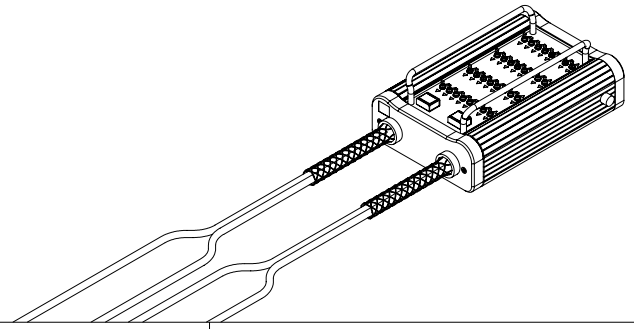

- Motion Labs 32 channel modular motor control and power distribution system.
  120/208 input (G, N, X, Y, Z) 3 Phase 5 Wire (For Pass Thru)
- Dual Twist output rated for up to 32 1HP 3 Phase Electric Chain Hoists.
- Phase Reverse option to correct out of phase input.
- Contactor Enable button for local pendant control.
- Handheld Remote utilizes momentary switch for GO function and maintained switch for KILL function.
- KILL function disengages power to the motors.
- Unit built into 23 space 2 lid NEMA 1 Steel Liner.
- Unit is ETL Listed in Canada and the United States and conforms to UL Standards 1640 for Portable Power Distribution and UL 508A for Industrial Controls as well as Canadian CSA Standard C22.2 No. 14
- Qualified Personnel Only

Type 1 Enclosure
Indoor Use Only
Input Voltage: 120/208VAC 3PH 60Hz
Wiring Config: 32 CH @ 1HP
Max Ampacity: 160 Amps
Part No.: 1200-32-C-K1K1-0703
Serial No.: XXXX

208 VAC
3PH 60 Hz
10 AMPS MAX.

PINOUT: 0900-01
L16-20
X = L1
Y = L2
Z = L3
Green = Ground

L14-20
X = Common
Y = Down
W = Up
G = Not Used

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TITLE
Motor Control, 32 CH, Input 120/208 Y 3PH CAM10 RG, DT L16-20 Pwr L14-20 Ctrl, PO-3A-A/0900-01, 8X10A3P, 23-2, w/Handheld

DRAWN BY	DATE DRAWN	SIZE	DRAWING NUMBER	REV
JH	19 FEB 07	A	1200-32-F-K1K1-0703	A
CHECKED BY	DATE CHECKED			
PH	2-22-07			

MODEL FILENAME & PATH
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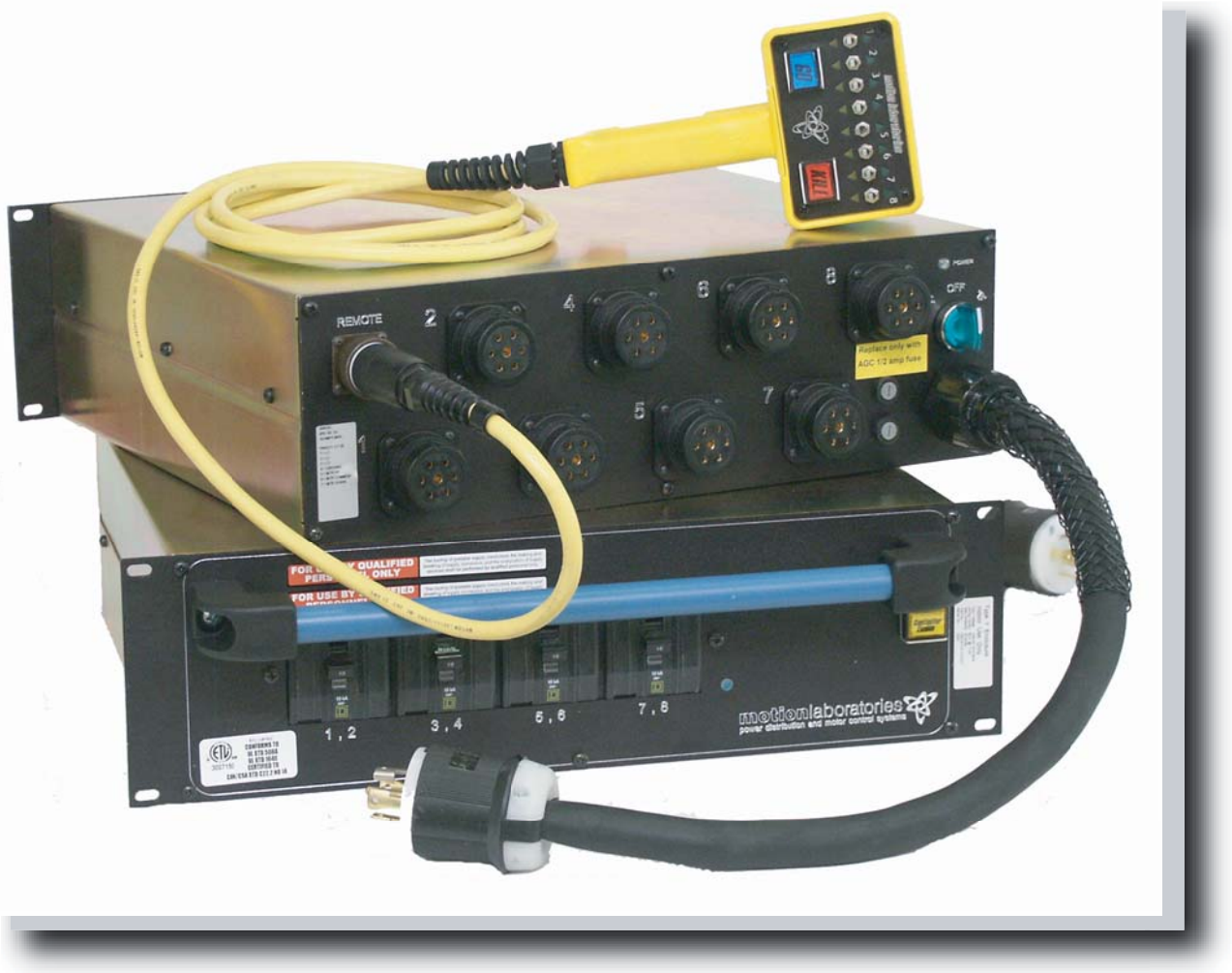
SCALE ---

SHT 1 OF 1



Portable | Rack Mountable | Local Remote Option | Phase Reverse | Retractable Cord

The Moto Pac is the latest addition to our industry standard family of rack mountable satellite power distribution equipment. Originally designed to be small, portable and flexible, the Moto Pac expands this concept to our motor control systems.
Available with or without a local control feature, the Moto Pac can be used individually or combined with other units to control hundreds of motors.
As with all Motion Labs motor control systems, any unit will interface with any size remote as well as with our computerized motor control system, The Server.

- ETL LISTED
- Height: 5.25" - 3 Rack Units
- Depth: 15"
- Weight: 35 lbs

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power distribution and motor control systems

c INTERTEK ETL CM LISTED US

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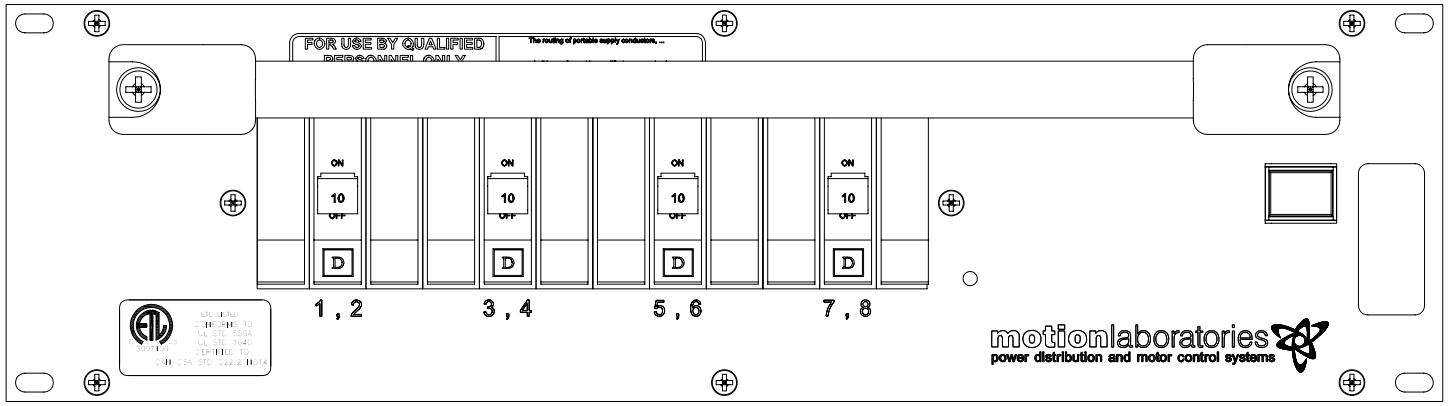
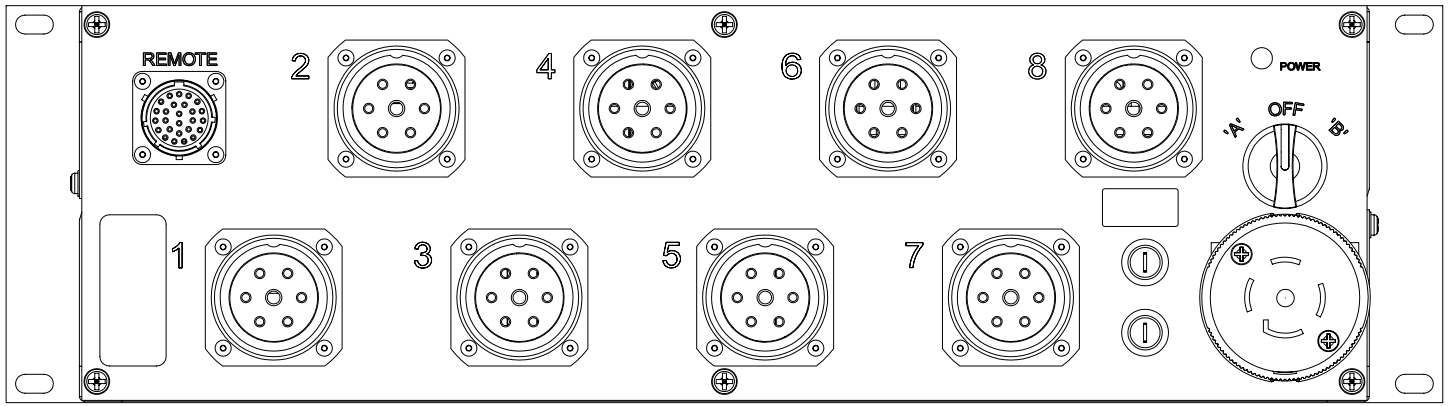
Ph: 800-227-6784 - 914-788-8877 - Fax: 914-788-8866 - 520 Furnace Dock Rd - Cortlandt Manor, NY 10567

Front View

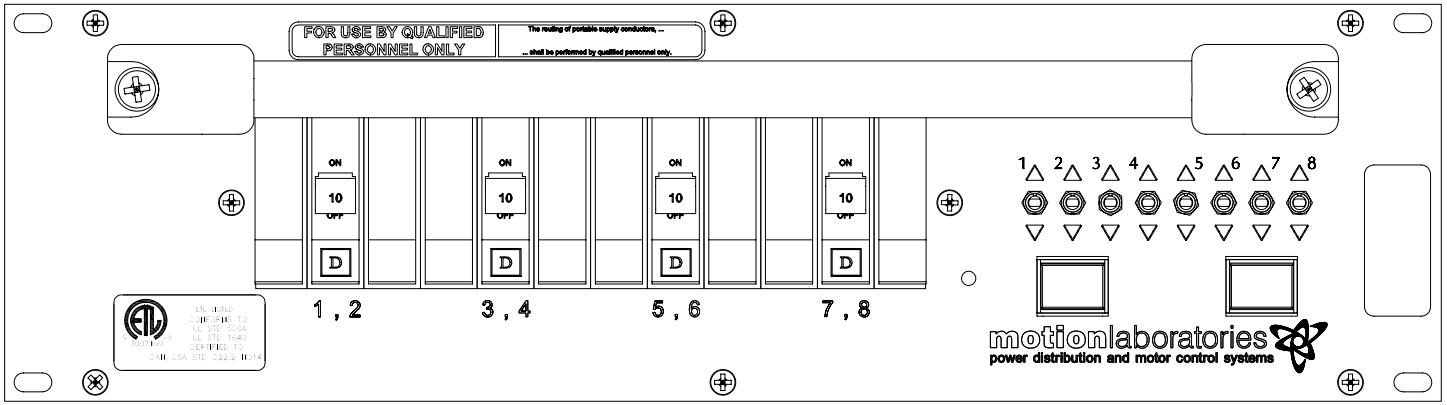


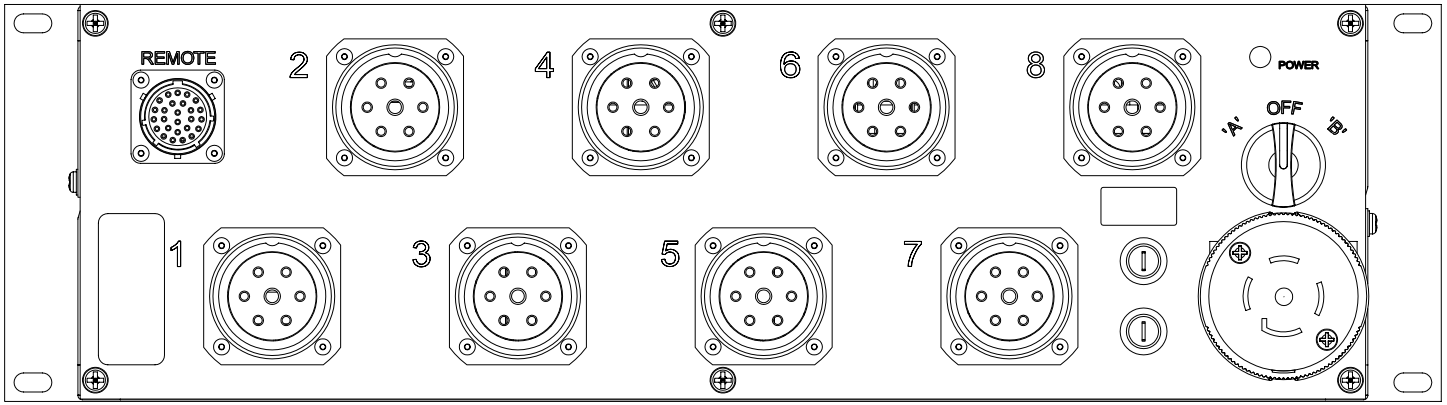


Rear View

motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE Motor Control, Rac Mount, 8CH, 208V3PH, L21-30 TAIL, C7, PO/C7-30, 3SP	DRAWN BY GMF	DATE DRAWN 23 FEB 07	SIZE A	DRAWING NUMBER 1260-8-C-K-1313-01 REV A
		CHECKED BY	DATE CHECKED		
		MODEL FILENAME & PATH V:\Assembly Drawings\Motor Controllers\08 Channel\1260-8-C-K-1313-01.dwg		SCALE ---	SHT 1 OF 1

Front View





Rear View

motionlaboratories 520 Furnace Dock Road Cortlandt Manor, NY 10567 800-227-6784	TITLE Motor Control, Rack Mount, 8CH, 208V3PH, L21-30 Tail, C7, PO/C7-30, 3SP, W/ Front Panel Control, L/R Feature	DRAWN BY GMF	DATE DRAWN 2/27/07	SIZE A	DRAWING NUMBER 1260-8-C-K-1313-03 REV A
		CHECKED BY PH	DATE CHECKED 2-27-07		
		MODEL FILENAME & PATH V:\Assembly Drawings\Motor Controllers\08 Channel\1260-8-C-K-1313-03.dwg		SCALE ---	SHT 1 OF 1

motionlaboratories

power distribution and motor control systems

Load Cell and Cell*Mate System

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power distribution and motor control systems

About The Cell*Mate Weight Monitoring System

Safety is an important aspect of rigging a venue. With our Cell*Mate System you can limit the risk of a serious accident by putting the ability to monitor all static and dynamic loads at your fingertips.

The System is comprised of three basic components, the Load*Cell, Cell*Mate Digital Display and the Cell*Mate Hub.

The Load*Cell is constructed of stainless steel and comes in a 4,000Lb Rating as well as a 10,000Lb Rating for more heavy-duty applications.

The Cell*Mate Hub is a truss-mount unit which functions to route data-streams from up to eight Load*Cells to the Display.

The Cell*Mate Display is a clean, easy to read unit that comes with several options to view the transmitted Load*Cell data.

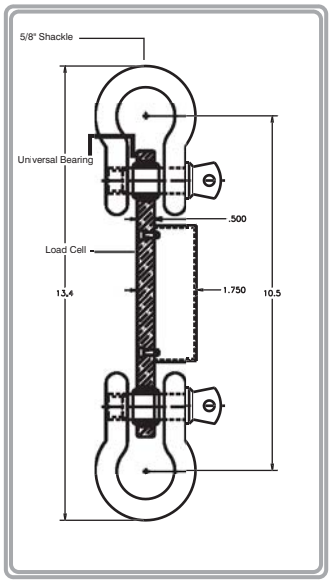
motionlaboratories

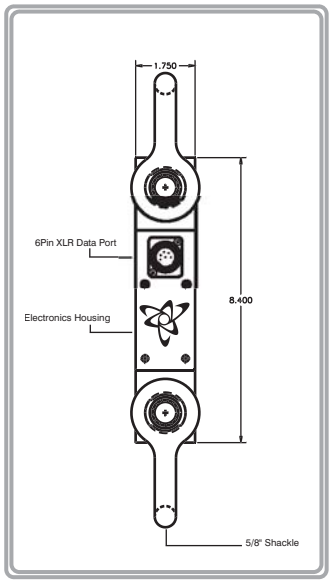
The Load Cell is the primary component in the newest load monitoring system manufactured by Motion Laboratories. The stainless steel Load Cells work in unison with the eight channel **Cell*Mate** Hub and **Cell*Mate** digital display module, giving users the opportunity to monitor dynamic and static loads in unlimited quantities, from one or more remote locations

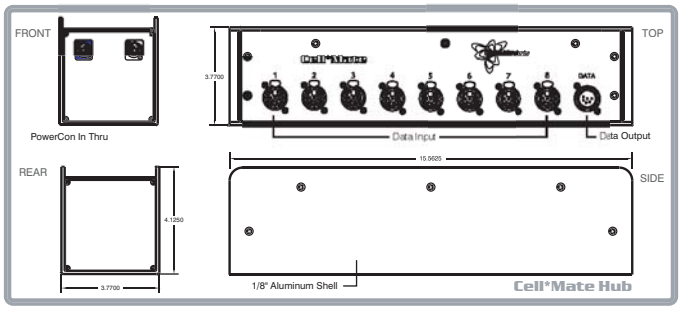
Each universal Load Cell has a 4000 lb. (1792 kg) measuring capacity with a built-in 5:1 safety factor.

Load Cells transmit in line force measurements to the eight channel hub unit via 6 pin XLR cables. The hub unit then sends all channels of data to the display module via a single 6 pin XLR cable. This feature greatly reduces set-up time and inefficient cable home-runs.

Load Cells are fitted with standard 5/8" rigging shackles with a 3/4" shaft. Spherical bearings at either end allow the Load Cells to self-align, eliminating side-load interference and providing the most accurate measurements possible.







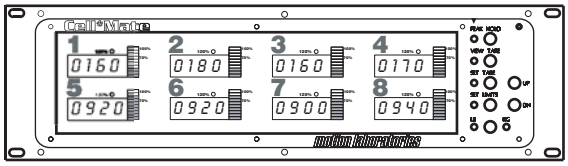
The eight channel **Cell*Mate** Hub unit works together with Load Cells and the **Cell*Mate** Digital Display Module from Motion Laboratories to make up the most versatile and informative load monitoring system on the market today. The truss-mount hub unit is the crossroads for up to eight channels of individual load data. Each Load Cell sends digital information to the hub, where it is collected and sent back to the display unit via a single 6 pin XLR cable. This digital signal can be carried as far as 4000 feet to the display unit. Hub units can accept 120/240VAC through the PowerCon at the front.

The **Cell*Mate** Hub greatly reduces cable clutter and allows for short runs to each of your Load Cell. It comes with a truss clamp.

The eight channel **Cell*Mate** Digital Display module provides users with the means to simultaneously monitor multiple channels of load data from a remote location. Working together with our universal Load Cells and **Cell*Mate Hub**, the display module gives users a wide variety of options for viewing load data. Each channel provides constant numeric actual weight measurement displayed in pounds or kilograms. Additionally, each channel has a ten-segment multicolor bar graph representing a percentage load based on a user selectable weight limit. There is a 120% overload LED indicator, which triggers a relay with user-assignable, normally open contacts.

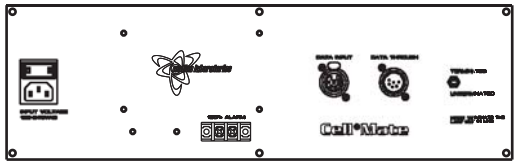
The **Cell*Mate** receives data from the HUB unit digitally, using a single 6 pin XLR run of up to 4000 ft. Multiple display units can be used in series for extra viewing locations. Peak hold function allows the user to view peak weight statistics for each Load Cell. A user-adjustable tare function allows the user to view a secondary weight measurement, i.e. the load minus the weight of the hoist.

FRONT



Cell*Mate Display Unit

REAR



Cell*Mate Display Unit

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motion laboratories
MODULAR POWER DISTRIBUTION AND MOTOR CONTROL SYSTEMS

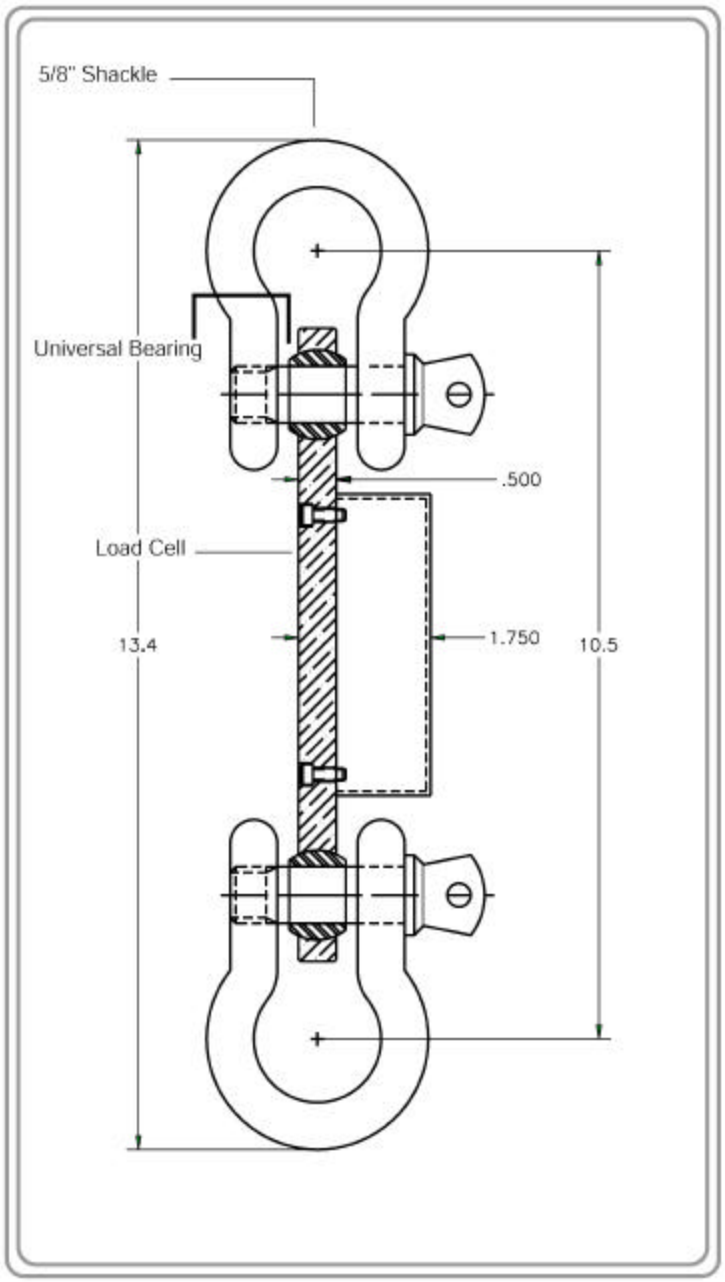
520 Furnace Dock Rd.
Cortlandt Manor, NY 10567
(914)788-8877 phone
(914)788-8866 fax
(800)227-6784 toll free
info@motionlabs.com

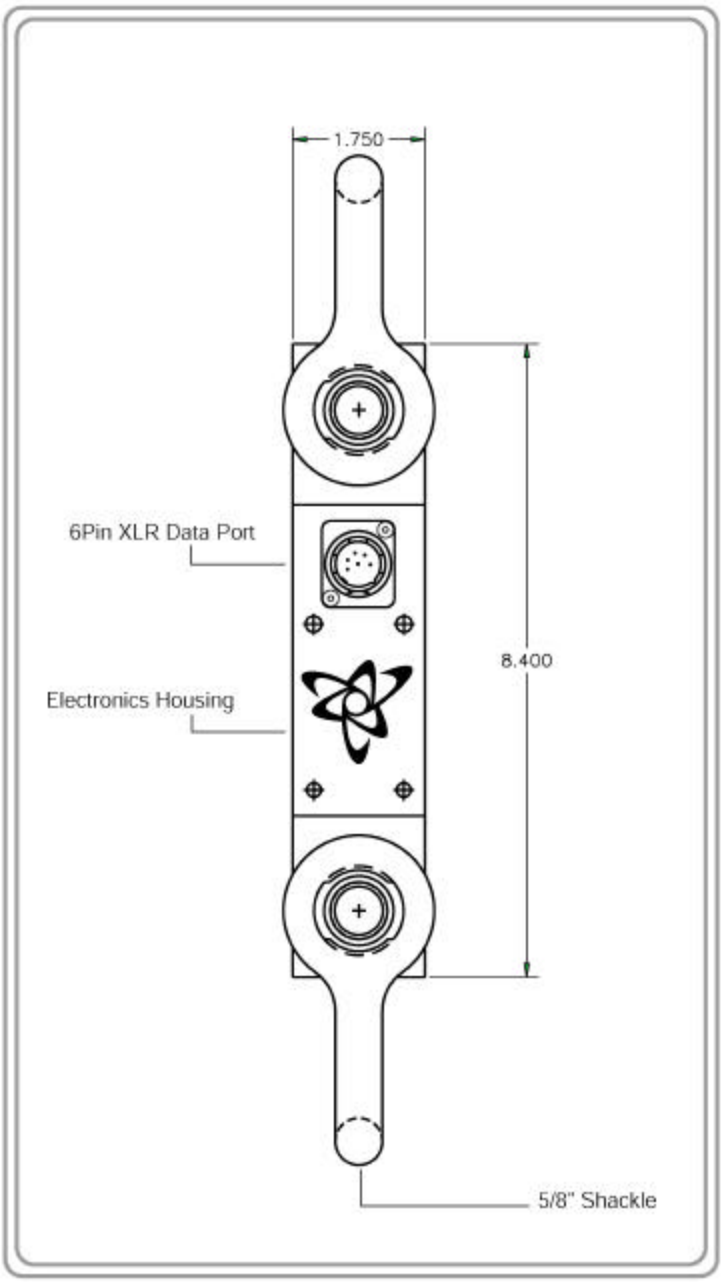
The Load Cell is the primary component in the newest load monitoring system manufactured by Motion Laboratories. The stainless steel **Load Cells** work in unison with the eight channel **Cell*Mate Hub** and **Cell*Mate** digital display module, giving users the opportunity to monitor dynamic and static loads in unlimited quantities, from one or more remote locations

Each universal **Load Cell** has a 4000 lb. (1792 kg) measuring capacity with a built-in 5:1 safety factor.

Load Cells transmit in line force measurements to the eight channel hub unit via 6 Pin XLR cables. The hub unit then sends all channels of data to the display module via a single 6Pin XLR cable. This feature greatly reduces setup times and inefficient cable home-runs.

Load Cells are fitted with standard 5/8" rigging shackles with a 3/4" shaft. Spherical bearings at either end allow the **Load Cells** to self-align, eliminating side-load interference and providing the most accurate measurements possible.





Load Cell | features & functions

Stainless Steel Construction: Each **Load Cell** is made of rugged stainless steel with a 4000 lb. (1792 kg) measuring capacity.

Safety Factor: All structural componenets in the **Load Cell** have been manufactured using a 5:1 safety factor, per industry standards.

Pre-Rigged: Each **Load Cell** comes pre-rigged from Motion Laboratories with standard 5/8" shackles.

Universal Load Cell: Users only need to own one type of cell. Whether hanging light or heavy loads, the 4000 lb rating is applicable for all commonly used chain hoists and winches.

Spherical Bearings: Load Cells are designed with two spherical bearings, one at each end, allowing the **Load Cell** to self align when under load. This unique feature prevents the **Load Cell** from binding on any of the rigging components and creating added torque which can affect load measurements. This condition, known as side-loading, is all but eliminated with our precision steel bearings.

Digital Signal: The **Load Cell** transmits load data to the **Cell*Mate Hub** unit digitally, using RS485 communication protocols. Each **Load Cell** must be connected to the hub unit with a 6pin XLR cable. Distance is not a limiting factor for these cables. Each data cable is highly effective up to lengths of 1000 feet.

Calibration: Each **Load Cell** is calibrated and thoroughly tested by Motion Laboratories before it leaves our facilities. Calibration dates are documented on each **Load Cell**. It is recommended that you schedule annual calibrations with Motion Laboratories for all of your **Load Cells**.

Maintenance: Load Cell require very little maintenace during their lifespan. Aside from regular calibrations and general safe handling techniques, regularly lubricate the spherical bearings in each cell for accurate results.

Load Cell | specifications

Load Cell Material: Stainless Steel
Spherical Bearing Material: Bearing Steel
Electronics Housing Material: Steel
Weight: 2.7 lbs.

Load Rating: rated 4000 lbs. with a 5:1 safety factor (all structural components)

Communication Protocols: RS485
Cable: 22AWG 3 Tw Pair Shielded M/F 6 pin XLR

Power Requirements:
Cell*Mate Hub: 100-240 VAC 50/60 Hz
Cell*Mate Display Module: 100-240 VAC 50/60 Hz

Load Cell | more information

For more information on this or other products please contact our sales department by phone, fax, or e-mail. Our qualified sales representatives are determined to help you succeed.

Be sure to visit our website **[www.motionlabs.com]** for more information about Motion Laboratories and our products & services. Thank you for making Motion Laboratories your premiere source for power distribution and motor control solutions.

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520 Furnace Dock Rd., Cortlandt Manor, NY 10567
(914) 788-8877 phone | (914) 788-8866 fax | (800) 227-6784 toll free

motion laboratories
MODULAR POWER DISTRIBUTION AND MOTOR CONTROL SYSTEMS

520 Furnace Dock Rd.
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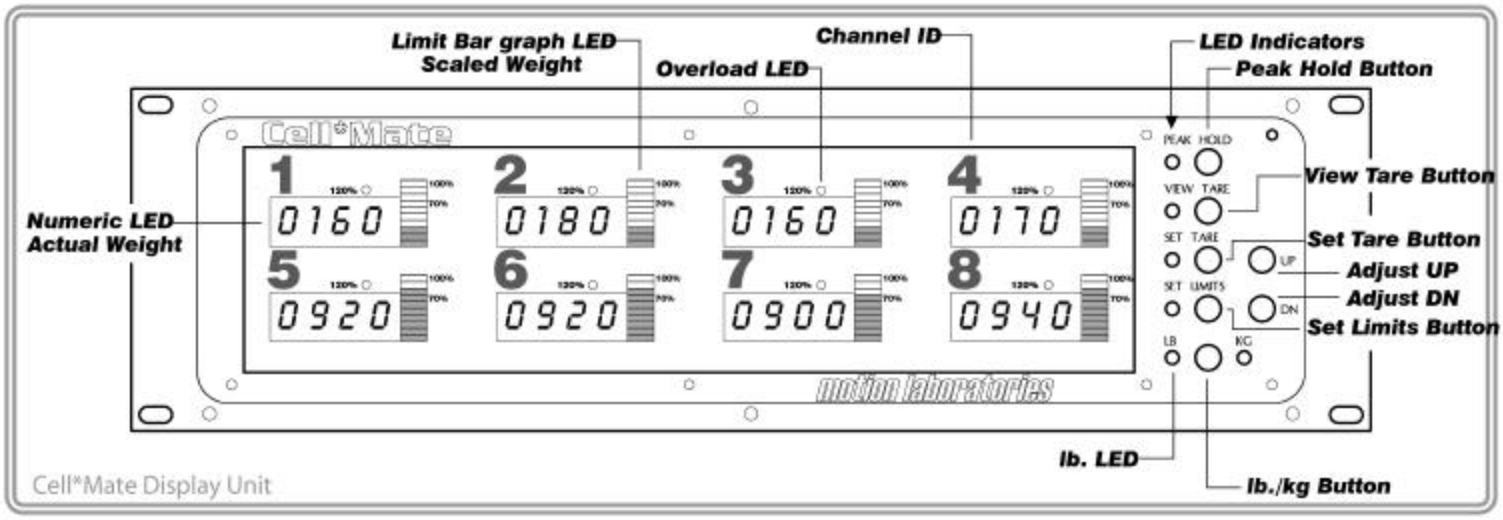
(800)227-6784 toll free

The eight channel **Cell*Mate** Digital Display module provides users with the means to simultaneously monitor multiple channels of load data from a remote location. Working together with our universal LoadCell**s** and **Cell*Mate Hub**, the display module gives users a wide variety of options for viewing load data. Each channel provides constant numeric actual weight measurement displayed in pounds or kilograms. Additionally, each channel has a ten-segment multicolor bar graph representing a percentage load based on a user selectable weight limit. There is a 120% overload LED indicator, which triggers a relay with user-assignable, normally open contacts.

The Cell*Mate receives data from the HUB unit digitally, using a single 6 Pin XLR run of up to 4000 ft. Multiple display units can be used in series for extra viewing locations. Peak hold function allows the user to view peak weight statistics for each LoadCell**.** A user-adjustable tare function allows the user to view a secondary weight measurement, i.e. the load minus the weight of the hoist.

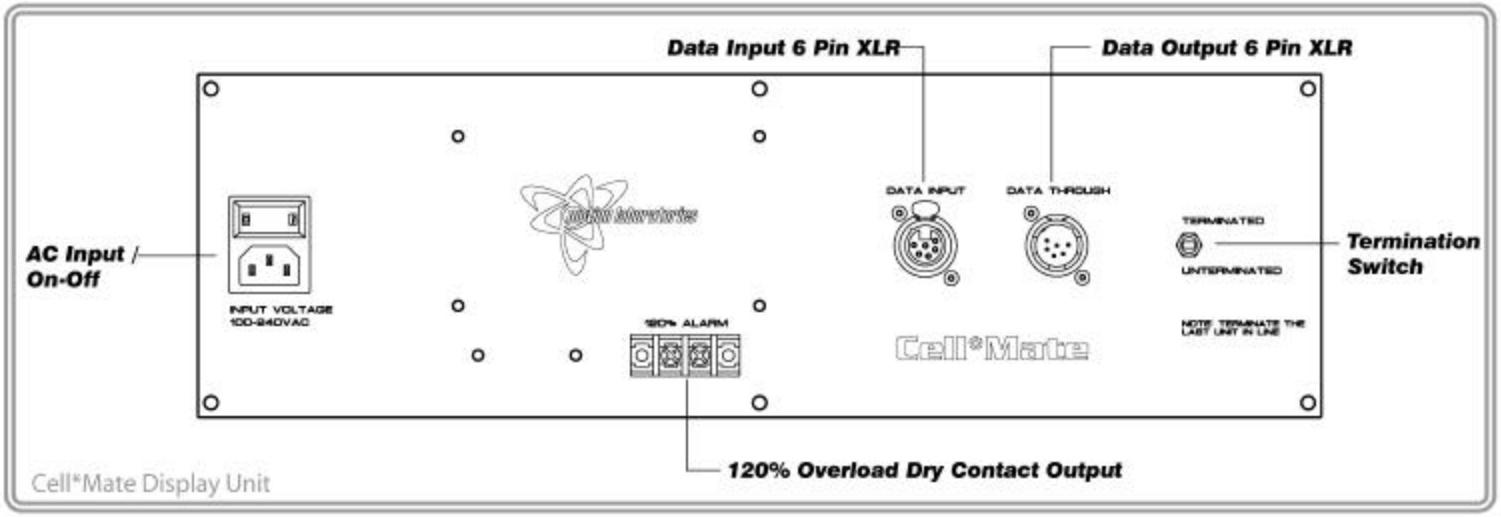
Both the 3 space **Cell*Mate** display unit and the truss-mountable **Cell*Mate Hub** unit are designed with auto switching 100/240VAC 50/60 Hz power supplies allowing for versatility in the field. Overall the load monitoring system will revolutionize the way you view hanging loads.

FRONT



Cell*Mate Display Unit

REAR



Cell*Mate Display Unit

Cell*Mate | features & functions

4 Digit Numeric Display: High visibility .56 inch numeric LED display indicates measured in line force in pounds or kilograms for each channel (user selectable.)

4 Level Display Brightness: Display brightness level is stored in non-volatile memory so **Cell*Mate** display returns to former brightness level on power up.

10-Segment Multicolor Bar Graph Display: Separate bar graph display indicates total load percentage. Scaling is individually adjustable for each channel in 10 unit (lb or kg) increments and is stored in non-volatile memory, which is not susceptible to power loss.

Overload LED Indication: At 120% of user adjustable percent load a red LED indicator will light alerting the operator to an overload. An overload indication on any channel will activate a relay with user assignable normally open contacts.

User Adjustable Tare Setting: Individual tare values for each channel are stored in non-volatile memory. The tare value will be subtracted from the true weight value and displayed for 10 seconds when the view tare button is pressed. While in the view tare mode, the percent load limits are still based on the true weight and will indicate accordingly. Tare can also be set by taking a "snapshot" of current Load Cell value.

Line Fault Indicator: Any Load Cell channel disconnected or inactive due to a wire fault is indicated by a single dash (-) on the **Cell*Mate** display for that channel.

Long Cable Runs: Any XLR (**Cell*Mate** data) wire may be run up to 1000 feet from LoadCell to **Cell*Mate Hub**. XLR lines may be run 4000 feet from **Cell*Mate Hub** to display unit.

Individual Fuse Protection: An individual self-resetting fuse protects each LoadCell port.

Peak Hold Function: allows user to view peak weight measurements for all channels.

Cell*Mate | specifications

Dimensions:
Cell*Mate Display Module: 19.0"W x 5.25"H x 00.0"D
Cell*Mate Hub: 3.77"W x 4.125"H x 15.562"D

Materials: 1/8" Anodized Aluminum, Zinc Plated 18ga. Steel

Communication Protocols: RS485 Full Duplex 9600 Baud 8N1

Cable Protocol: 22awg 3 Twstd Pair Shielded M/F 6 pin XLR

Power Requirements:
Cell*Mate Hub: 100-240 VAC 50/60 Hz
Cell*Mate Display Module: 100-240 VAC 50/60 Hz

Cell*Mate | more information

For more information on this or other products please contact our sales department by phone, fax, or e-mail. Our qualified sales representatives are determined to help you succeed.

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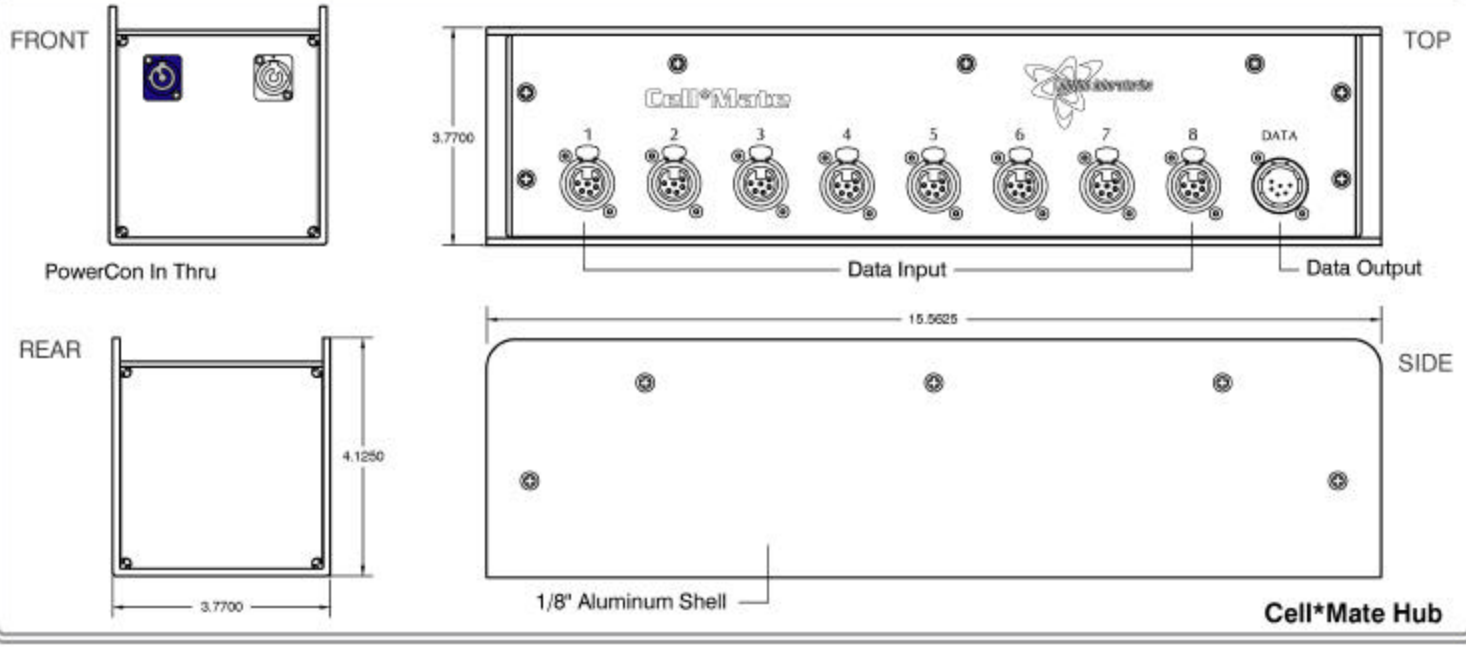
The eight channel **Cell*Mate Hub** unit works together with Load Cells and the **Cell*Mate** Digital Display Module from Motion Laboratories to make up the most versatile and informative load monitoring system on the market today. The truss-mount hub unit is the crossroads for up to eight channels of individual load data. Each Load Cell sends digital information to the hub, where it is collected and sent back to the display unit via a single 6 Pin XLR cable. This digital signal can be carried as far as 4000 feet to the display unit. Hub units can accept 120/240VAC through the Flanged Inlet at the front.

The **Cell*Mate** Hub greatly reduces cable clutter and allows for short runs to each of your Load Cell. It comes with a truss clamp and is included with the **Cell*Mate** Display Module.



Cell*Mate HUB | features & functions

Long Cable Runs: Any XLR (Cell*Mate data) wire may be run up to 1000 feet from Load Cell to **Cell*Mate Hub**. XLR lines may be run 4000 feet from Cell*Mate Hub to display unit.

Truss Mount: Cell*Mate Hub unit comes with a truss clamp as standard equipment, making setup easy and efficient.

Cell*Mate Hub | specifications

Cell*Mate Hub **Material:** 1/8" Anodized Aluminum

Communication Protocols: RS485
Cable Protocol: 22AWG 3 Tw Pair Shielded M/F 6 pin XLR

Power Requirements:
Cell*Mate **Hub:** 100-240 VAC 50/60 Hz
Cell*Mate **Display Module:** 100-240 VAC 50/60 Hz

Cell*Mate Hub | more information

For more information on this or other products please contact our sales department by phone, fax, or e-mail. Our qualified sales representatives are determined to help you succeed.

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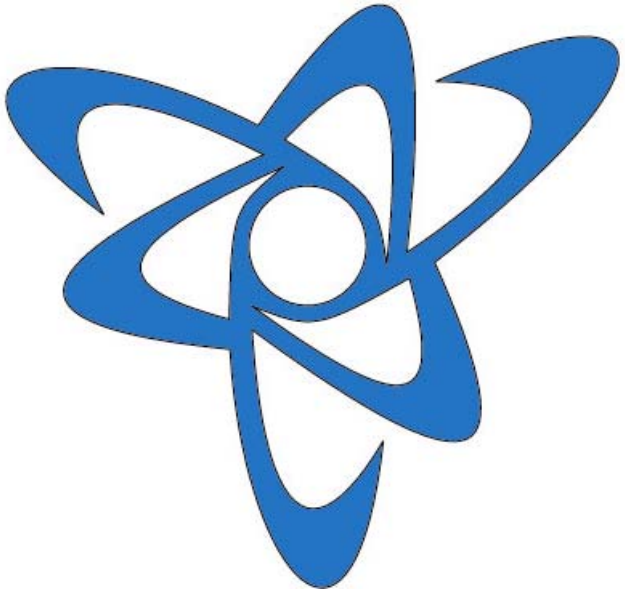
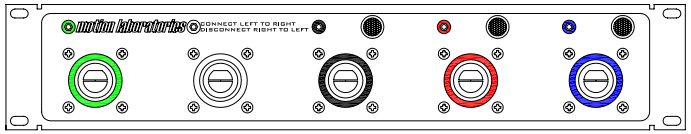
Custom Power Distribution Panel Assemblies



- *From 3-Wire, Single-Phase, 120V or 240V, Up To 6-Wire, 120/208V, 3-Phase Double Neutral Input*
- *2, 3 or 4 space panels depending on application or use of a Pass Thru.*
- *Power Indicators and Test Points are included on all panels.*
- *15 Series or 16 Series Cam Connectors.*
- *Spring-loaded Safety Covers on Hots (Ground and Neutral available on request).*
- *Connect / Disconnect Sequence engraved on Cam panels.*
- *Customer choice of Straight, or Reverse Ground / Neutral Cam orientation.*

Cam 5 Input

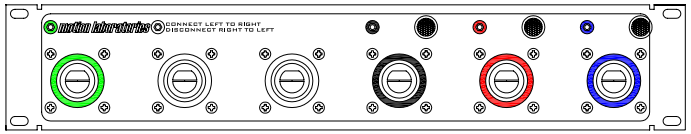


Cam 5

B-01-151-SERIES

The B-01-151 SERIES of Power Distribution panels provides the user with up to a full 5-wire set of inputs. The metalwork is two or three rack spaces tall, depending on the application, with a connect safety disclaimer on the face.

Cam 6 Input

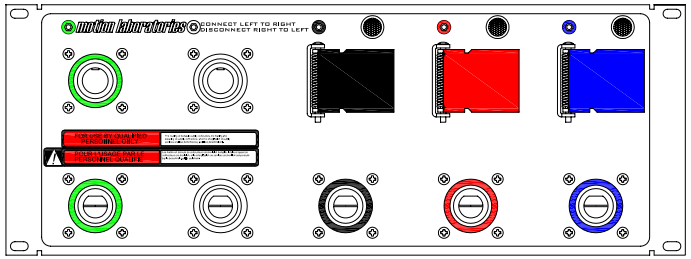


Cam 6

B-01-152-SERIES

The B-01-152 SERIES of Power Distribution panels provides the user with a full 6-wire set of inputs. These panels have a second neutral connector, which is required for current draw greater than 300A. The metalwork is two or three rack spaces tall, depending on the application, with a connect safety disclaimer on the face.

Cam 10 In and Thru

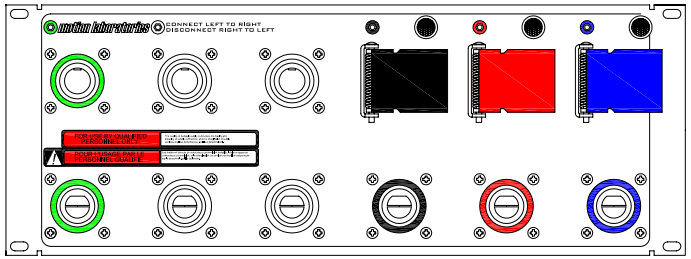


Cam 10

B-01-352-SERIES

The B-01-352 SERIES of Power Distribution panels provides the user with up to a full 5-wire set of inputs as well as a set of "through" connections. The metalwork is four rack spaces tall with a connect safety disclaimer on the face. All through connections bussed for the ampacity of the connector.

Cam 12 In and Thru



Cam 12

B-01-356-SERIES

The B-01-356 SERIES of Power Distribution panels provides the user with a full 6-wire set of inputs as well as a set of 6-wire "through" connections. These panels have a second neutral connector, which is required for current draw greater than 300A.The metalwork is four rack spaces tall with a connect safety disclaimer on the face. All through connections bussed for the ampacity of the connector.

Customer
Contact
Phone
Fax

Rev	Date	By	Description

motion laboratories
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Part No.

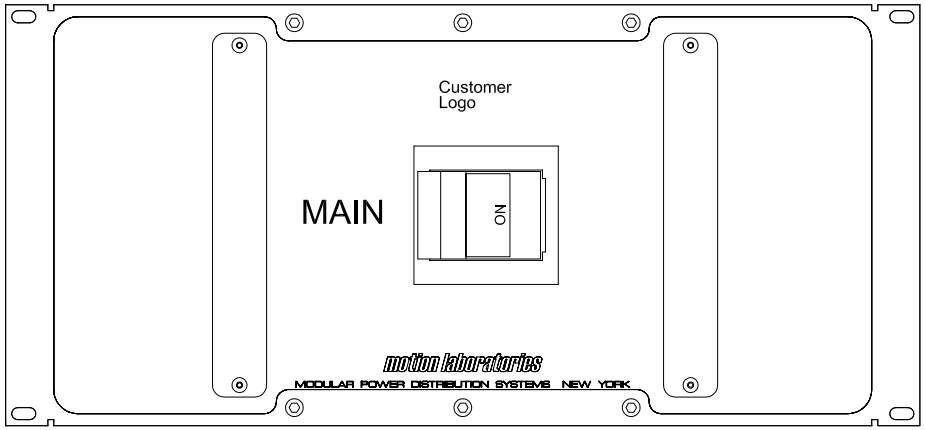
Panel, Input, Camlock

Drawn by PH

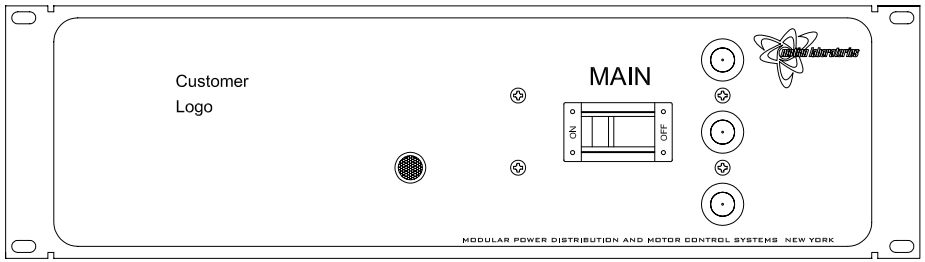
Date

Rev

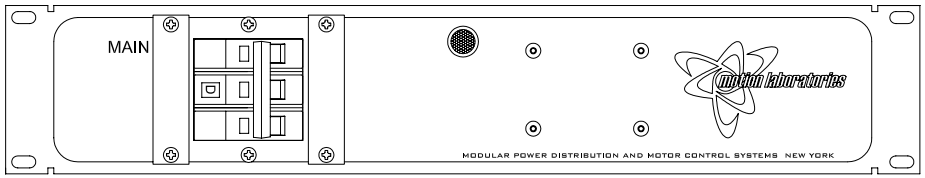
Main Breakers



300A-400 A
B-01-396-SERIES



100-225 A
B-01-251-SERIES



30-100 A
B-01-155-SERIES

PD - Circuit Protection

We offer a series of breaker panels designed to accommodate any power distribution need. All breaker panels employ branch rated, UL listed circuit breakers. Labeling is computer engraved, and where applicable, company/show logos can be engraved at no additional cost.

Customer
Contact
Phone
Fax

Rev	Date	By	Description

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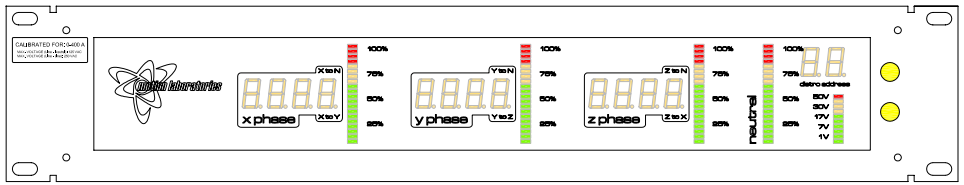
1 800 227-6784 P 914 788-8877 F 914 788-8866

Part No.
Panels, Breaker, Main
Drawn by PH
Date
Rev

Digital Volt Ampmeter (DVA)



Features

Displays:

- Phase to Neutral Voltage.
- Phase to Phase Voltage.
- Actual Current consumption for each phase in a numeric LED readout and a 20 segment bar graph for X, Y, Z and Neutral.
- Frequency for each phase.

*Use the Mode Button to cycle through these display modes.

Bar Graph Displays: Each bar graph display monitors current consumption and displays it in a heads-up incremental light ladder. Each of the twenty segments of the light ladder represent 5 % of the total load capacity for that particular power distribution system. Bar graph displays for X, Y, Z phases and Neutral current are present.

Voltage Mode Indicators: Each primary display field contains two mode indicators for which type of voltage reading your meter is using at any time. A light indicates Phase to Neutral or Phase-to-Phase monitoring modes.

Ground Potential: This light ladder display will inform the operator of any voltage differences between Neutral and Ground.

Mode Button: This button toggles the display unit through the various display modes for the primary display fields.

- Voltage: Phase to Neutral.
- Voltage: Phase to Phase.
- Current Consumption (Phase).
- Line Frequency (Phase).

Mode Memory: The DVA will remember all display modes and settings after twenty seconds of continuous use and will restart in the same modes at the next power up.

Error Messages: The DVA will display error messages for a number of conditions including distro address conflicts and Neutral error for systems that are powered without a neutral line connected.

Specs

Input Power*: 120V/208V 3 Phase.

*X and Y Phases must be present to operate

Voltage Range: (Phase to Neutral) 50V to 150V +/- 2V
Voltage Range: (Phase to Phase) 50V to 250V +/- 4V
Current Range: 50A to 600A +/- 2A
Frequency Range: 50Hz to 100Hz +/- Hz
Ground Voltage Range: 0V to 50V +/-1V

Width: 19in.
Height: 3.5in.
Finish: Black Anodize
Material: 1/8in. Aluminum
Mounting: Standard 19in. Rack Mounting

400 A
B-01-156-0156

300 A
B-01-156-0102

200 A
B-01-156-0052

100 A
B-01-156-0011

Customer
Contact
Phone
Fax

Rev	Date	By	Description

Drawn by PH

Part No.

Panels, Digital Voltage, Amperage

Date

Rev

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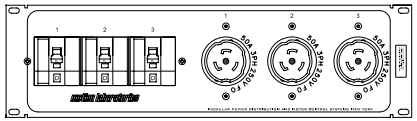
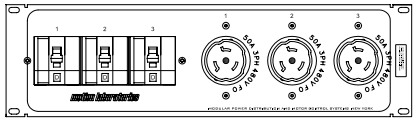
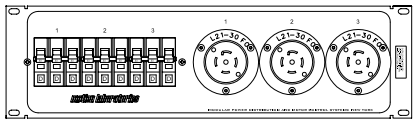
TL 93 Output Panels



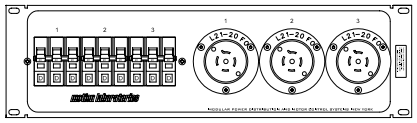
TL93-50AMP 250V
B-01-257-SERIES



TL93-50AMP 480V
B-01-257-SERIES



TL93-L21-30
B-01-256-SERIES



TL93-L21-20
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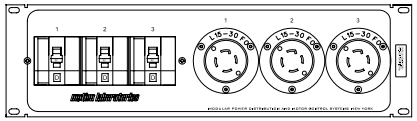

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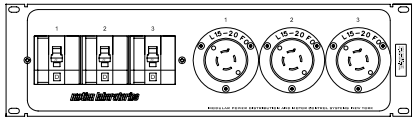
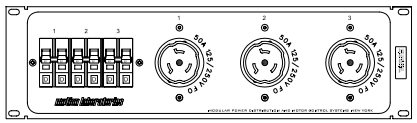
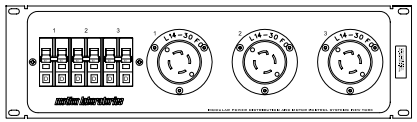


TL93-L15-20
B-01-256-SERIES

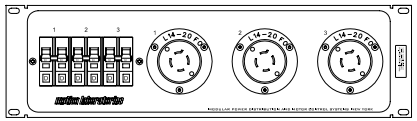
TL 63 Output Panels



TL63-50AMP 125/250
B-01-272-SERIES



TL63- L14-30
B-01-255-SERIES



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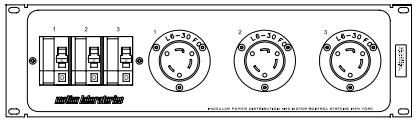

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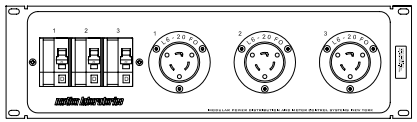
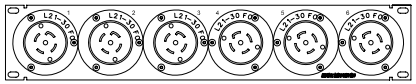


TL63- L6-20
B-01-255-SERIES

TL 6 Output Panels



TL6- L21-30
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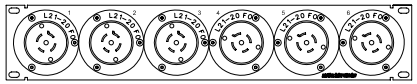

TL6- L21-20
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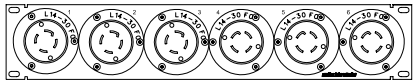

TL6- L14-30
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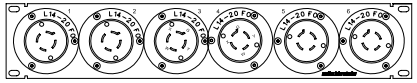

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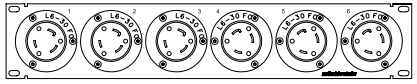
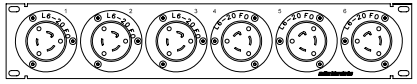
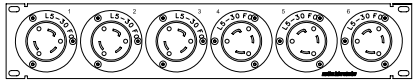


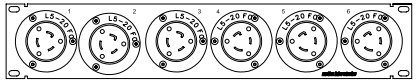
TL6- L6-30
B-01-257-SERIES



TL6- L6-20
B-01-157-SERIES

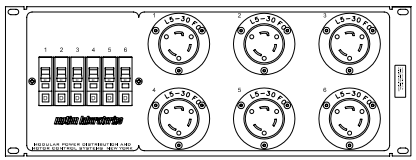


TL6- L5-30
B-01-157-SERIES

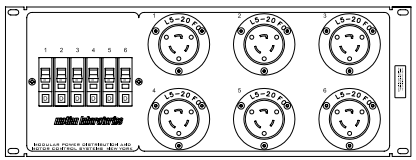


TL6- L5-20
B-01-157-SERIES

TL 66 Output Panels

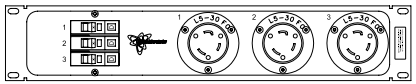


TL66-L5-30
B-01-351-SERIES

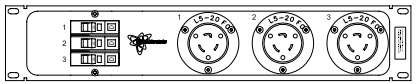


TL66- L5-20
B-01-351-SERIES

TL 33 Output Panels



TL33-L5-30
B-01-171-SERIES



TL33-L5-20
B-01-171-SERIES

Customer

Contact

Phone

Fax

Rev	Date	By	Description

motion laboratories
520 Furnace Dock Rd Cortlandt Manor, NY 10567
1 800 227-6784 P 914 788-8877 F 914 788-8866

Part No.

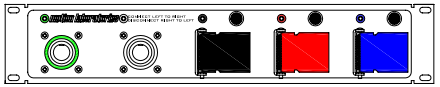
Panels, Output, Twistlock

Drawn by PH

Date

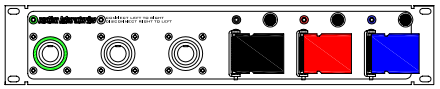
Rev

Cam 5 Output Panels



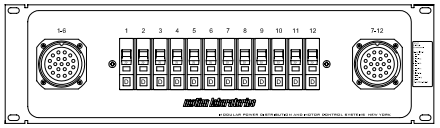
B-01-151-SERIES

Cam 6 Output Panels

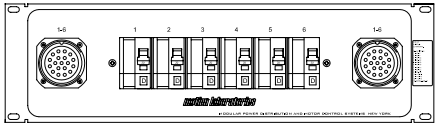


B-01-152-SERIES

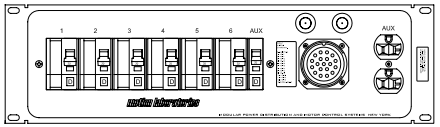
19 Pin Panels



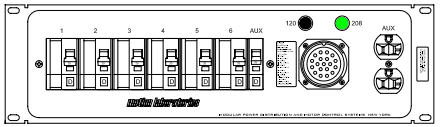
SOC122 Single Pole (120V)
B-01-260-SERIES



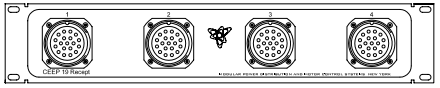
SOC122 Double Pole (208V)
B-01-260-SERIES



SOC131
B-01-266-SERIES

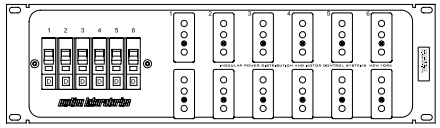


SOC131 Patchable
B-01-266-SERIES

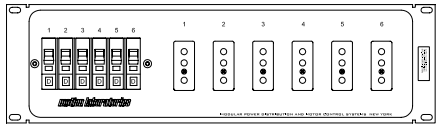


SOC 19x4
B-01-158-SERIES

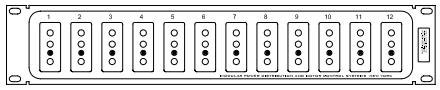
Stage Pin Panels



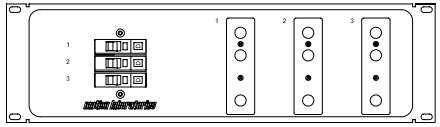
SP612
B-01-264-SERIES



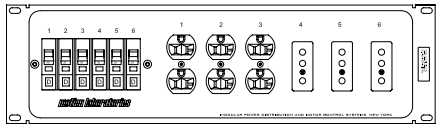
SP66
B-01-263-SERIES



SP012
B-01-163-SERIES

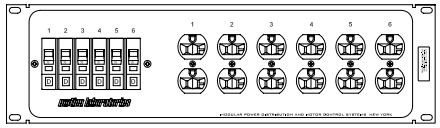


SP33 60-100A
B-01-261-SERIES

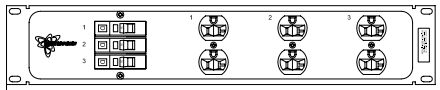


DPSP66
B-01-259-SERIES

Edison Output Panels



DP66
B-01-258-SERIES



DP33
B-01-169-SERIES

DP16
B-01-131-SERIES

Customer
Contact
Phone
Fax

Rev	Date	By	Description

Motion Laboratories
520 Furnace Dock Rd Cortlandt Manor, NY 10567
1 800 227-6784 P 914 788-8877 F 914 788-8866

Part No.

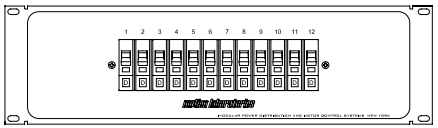
Panels, Output, Options - A

Drawn by PH

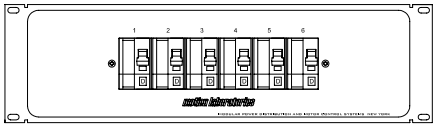
Date

Rev

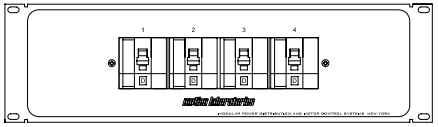
Branch Breaker Panels



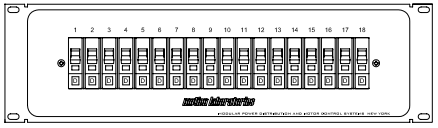
SQD12 Single Pole
B-01-252-SERIES



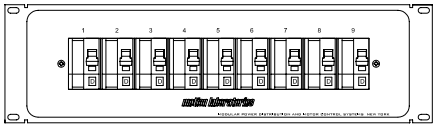
SQD12 Double Pole
B-01-252-SERIES



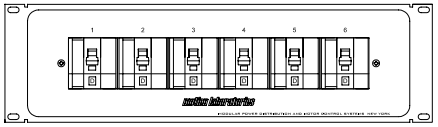
SQD12 Three Pole
B-01-252-SERIES



SQD18 Single Pole
B-01-254-SERIES

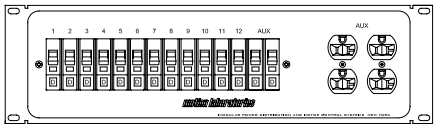


SQD18 Double Pole
B-01-254-SERIES

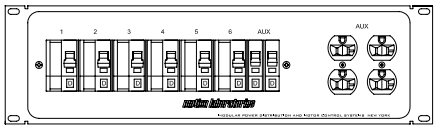


SQD18 Three Pole
B-01-254-SERIES

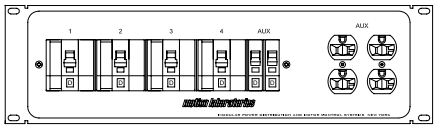
SQD1
B-01-132-SERIES



SQD14 Single Pole
B-01-253-SERIES



SQD14 Double Pole
B-01-253-SERIES



SQD14 Three Pole
B-01-253-SERIES

PD - Circuit Protection

We offer a series of breaker panels designed to accommodate any power distribution need. All breaker panels employ branch rated, UL listed circuit breakers. Labeling is computer engraved.

Customer
Contact
Phone
Fax

Rev	Date	By	Description

Motion Laboratories
520 Furnace Dock Rd Cortlandt Manor, NY 10567
1 800 227-6784 P 914 788-8877 F 914 788-8866

Part No.
Panels, Breaker, Branch

Drawn by PH

Date

Rev

motionlaboratories

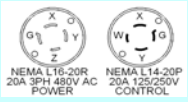
power distribution and motor control systems

CABLE ASSEMBLIES

Motion Labs - Feeder Cable Assemblies

Product Family	Family Sub-Group	Descrption	Part Number
Camlock Feeder	4/0 Feeder 	100' Cable Set, Camlock, EISL, 4/0, 16 Series, 5 Wire	1450-01-05-01-101
		75' Cable Set, Camlock, EISL, 4/0, 16 Series, 5 Wire	1450-01-05-02-101
		50' Cable Set, Camlock, EISL, 4/0, 16 Series, 5 Wire	1450-01-05-03-101
		25' Cable Set, Camlock, EISL, 4/0, 16 Series, 5 Wire	1450-01-05-04-101
		10' Cable Set, Camlock, EISL, 4/0, 16 Series, 5 Wire	1450-01-05-07-101
		5' Cable Set, Camlock, EISL, 4/0, 16 Series, 5 Wire	1450-01-05-06-101
	4/0 tails 	10' Tail Set, Camlock, EISL, 4/0, 16 Series, 5 Wire	1452-01-05-07-101
		10' Tail Set, Camlock, EISL, 4/0, 16 Series, 5 Wire, RG	1452-01-05-07-102
		10' Tail Set, Camlock, EISL, 4/0, 16 Series, 5 Wire, RGN	1452-01-05-07-104
	2/0 Feeder 	100' Cable Set, Camlock, EISL, 2/0, 16 Series, 5 Wire	1450-01-04-01-101
		75' Cable Set, Camlock, EISL, 2/0, 16 Series, 5 Wire	1450-01-04-02-101
		50' Cable Set, Camlock, EISL, 2/0, 16 Series, 5 Wire	1450-01-04-03-101
		25' Cable Set, Camlock, EISL, 2/0, 16 Series, 5 Wire	1450-01-04-04-101
		10' Cable Set, Camlock, EISL, 2/0, 16 Series, 5 Wire	1450-01-04-07-101
		5' Cable Set, Camlock, EISL, 2/0, 16 Series, 5 Wire	1450-01-04-06-101
	2/0 tails 	10' Tail Set, Camlock, EISL, 2/0, 16 Series, 5 Wire	1452-01-04-07-101
		10' Tail Set, Camlock, EISL, 2/0, 16 Series, 5 Wire, RG	1452-01-04-07-102
		10' Tail Set, Camlock, EISL, 2/0, 16 Series, 5 Wire, RGN	1452-01-04-07-104
	#2 Feeder 	100' Cable Set, Camlock, EISL, 2AWG, 16 Series, 5 Wire	1450-01-01-01-101
		75' Cable Set , Camlock, EISL, 2AWG, 16 Series, 5 Wire	1450-01-01-02-101
		50' Cable Set , Camlock, EISL, 2AWG, 16 Series, 5 Wire	1450-01-01-03-101
		25' Cable Set , Camlock, EISL, 2AWG, 16 Series, 5 Wire	1450-01-01-04-101
		10' Cable Set , Camlock, EISL, 2AWG, 16 Series, 5 Wire	1450-01-01-07-101
		5' Cable Set , Camlock, EISL, 2AWG, 16 Series, 5 Wire	1450-01-01-06-101
	#2 Tails 	10' Tail Set, Camlock, EISL, 2AWG, 16 Series, 5 Wire	1452-01-01-07-101
		10' Tail Set, Camlock, EISL, 2AWG, 16 Series, 5 Wire, RG	1452-01-01-07-102
		10' Tail Set, Camlock, EISL, 2AWG, 16 Series, 5 Wire, RGN	1452-01-01-07-104
50A Feeder		100' Cable, Twistlock, SOW, 6/4, 50A-125/250V	1400-03-20-01-003
		75' Cable, Twistlock, SOW, 6/4, 50A-125/250V	1400-03-20-02-003
		50' Cable, Twistlock, SOW, 6/4, 50A-125/250V	1400-03-20-03-003
		25' Cable, Twistlock, SOW, 6/4, 50A-125/250V	1400-03-20-04-003
		10' Cable, Twistlock, SOW, 6/4, 50A-125/250V	1400-03-20-07-003
		5' Cable, Twistlock, SOW, 6/4, 50A-125/250V	1400-03-20-06-003
		100' Cable, Twistlock, SOW, 6/4, 50A-480V	1400-03-20-01-001
		75' Cable, Twistlock, SOW, 6/4, 50A-480V	1400-03-20-02-001
		50' Cable, Twistlock, SOW, 6/4, 50A-480V	1400-03-20-03-001
		25' Cable, Twistlock, SOW, 6/4, 50A-480V	1400-03-20-04-001
		10' Cable, Twistlock, SOW, 6/4, 50A-480V	1400-03-20-07-001
		5' Cable, Twistlock, SOW, 6/4, 50A-480V	1400-03-20-06-001
30A Feeder Three Phase		100' Cable, Twistlock, SOW, 8/5, L21-30	1400-03-19-01-001
		75' Cable, Twistlock, SOW, 8/5, L21-30	1400-03-19-02-001
		50' Cable, Twistlock, SOW, 8/5, L21-30	1400-03-19-03-001
		25' Cable, Twistlock, SOW, 8/5, L21-30	1400-03-19-04-001
		10' Cable, Twistlock, SOW, 8/5, L21-30	1400-03-19-07-001
		5' Cable, Twistlock, SOW, 8/5, L21-30	1400-03-19-06-001
30A Feeder Single Phase		100' Cable, Twistlock, SOW, 8/4, L14-30	1400-03-18-01-001
		75' Cable, Twistlock, SOW, 8/4, L14-30	1400-03-18-02-001
		50' Cable, Twistlock, SOW, 8/4, L14-30	1400-03-18-03-001
		25' Cable, Twistlock, SOW, 8/4, L14-30	1400-03-18-04-001
		10' Cable, Twistlock, SOW, 8/4, L14-30	1400-03-18-07-001
		5' Cable, Twistlock, SOW, 8/4, L14-30	1400-03-18-06-001
20A Feeder Single Phase		100' Cable, Twistlock, SOW, 12/3, L6-20	1400-03-10-01-003
		75' Cable, Twistlock, SOW, 12/3, L6-20	1400-03-10-02-003
		50' Cable, Twistlock, SOW, 12/3, L6-20	1400-03-10-03-003
		25' Cable, Twistlock, SOW, 12/3, L6-20	1400-03-10-04-003
		10' Cable, Twistlock, SOW, 12/3, L6-20	1400-03-10-07-003
		5' Cable, Twistlock, SOW, 12/3, L6-20	1400-03-10-06-003

Motion Labs - Multi Pin Cable Assemblies

Product Family	Family Sub-Group	Description	Part Number
19 Pin Lighting		150' 19 Pin, Cable, Multi Pin, AWM, 12/14	1400-02-33-09-001
		125' 19 Pin, Cable, Multi Pin, AWM, 12/14	1400-02-33-08-001
		100' 19 Pin, Cable, Multi Pin, AWM, 12/14	1400-02-33-01-001
		75' 19 Pin, Cable, Multi Pin, AWM, 12/14	1400-02-33-02-001
		50' 19 Pin, Cable, Multi Pin, AWM, 12/14	1400-02-33-03-001
		25' 19 Pin, Cable, Multi Pin, AWM, 12/14	1400-02-33-04-001
7 Pin Fly Cable		200' 7pin, C7-30, Cable, Multi Pin, STO, 16/7	1400-02-30-10-001
		150' 7pin, C7-30, Cable, Multi Pin, STO, 16/7	1400-02-30-09-001
		125' 7pin, C7-30, Cable, Multi Pin, STO, 16/7	1400-02-30-08-001
		100' 7pin, C7-30, Cable, Multi Pin, STO, 16/7	1400-02-30-01-001
		75' 7pin, C7-30, Cable, Multi Pin, STO, 16/7	1400-02-30-02-001
		50' 7pin, C7-30, Cable, Multi Pin, STO, 16/7	1400-02-30-03-001
		25' 7pin, C7-30, Cable, Multi Pin, STO, 16/7	1400-02-30-04-001
14 Pin 1/4 Turn Fly Cable		200' 14Pin, Cable, Multi Pin, STO, 16/7	1400-05-30-10-001
		150' 14Pin, Cable, Multi Pin, STO, 16/7	1400-05-30-09-001
		125' 14Pin, Cable, Multi Pin, STO, 16/7	1400-05-30-08-001
		100' 14Pin, Cable, Multi Pin, STO, 16/7	1400-05-30-01-001
		75' 14Pin, Cable, Multi Pin, STO, 16/7	1400-05-30-02-001
		50' 14Pin, Cable, Multi Pin, STO, 16/7	1400-05-30-03-001
		25' 14Pin, Cable, Multi Pin, STO, 16/7	1400-05-30-04-001
26 Pin Remote Extension		200' 26Pin, Remote Extension, Yellow	1400-05-39-10-001
		150' 26Pin, Remote Extension, Yellow	1400-05-39-09-001
		125' 26Pin, Remote Extension, Yellow	1400-05-39-08-001
		100' 26Pin, Remote Extension, Yellow	1400-05-39-01-001
		75' 26Pin, Remote Extension, Yellow	1400-05-39-02-001
		50' 26Pin, Remote Extension, Yellow	1400-05-39-03-001
		25' 26Pin, Remote Extension, Yellow	1400-05-39-04-001
		10' 26Pin, Remote Extension, Yellow	1400-05-39-07-001
		5' 26Pin, Remote Extension, Yellow	1400-05-39-06-001
Dual Twist Fly Cable		200' L1620/L1420, 0900-01, Cable, Dual Twist, STO, 16/7	1400-04-30-10-001
		150' L1620/L1420, 0900-01, Cable, Dual Twist, STO, 16/7	1400-04-30-09-001
		125' L1620/L1420, 0900-01, Cable, Dual Twist, STO, 16/7	1400-04-30-08-001
		100' L1620/L1420, 0900-01, Cable, Dual Twist, STO, 16/7	1400-04-30-01-001
		75' L1620/L1420, 0900-01, Cable, Dual Twist, STO, 16/7	1400-04-30-02-001
		50' L1620/L1420, 0900-01, Cable, Dual Twist, STO, 16/7	1400-04-30-03-001
		25' L1620/L1420, 0900-01, Cable, Dual Twist, STO, 16/7	1400-04-30-04-001

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Motion Laboratories would like to dedicate the first run of this catalog to the efforts of Paul Morrill.