

1

2

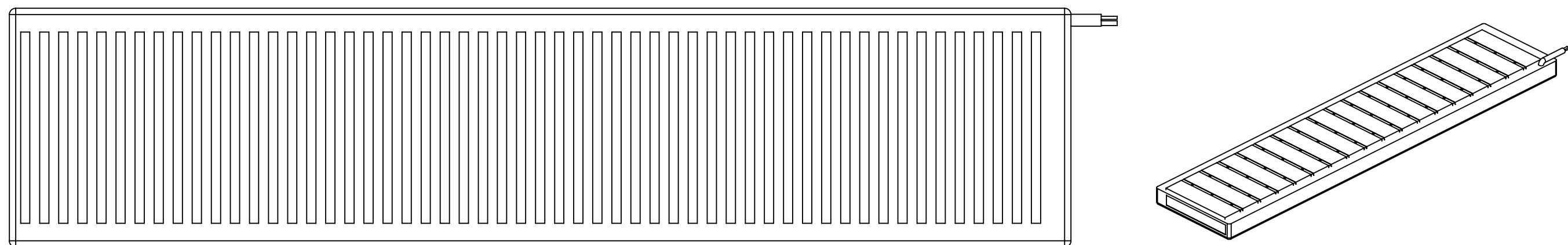
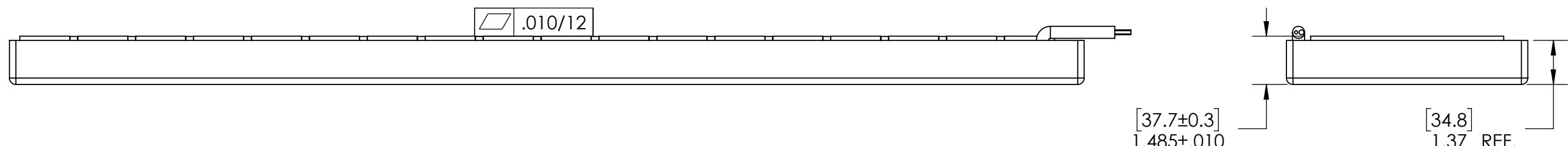
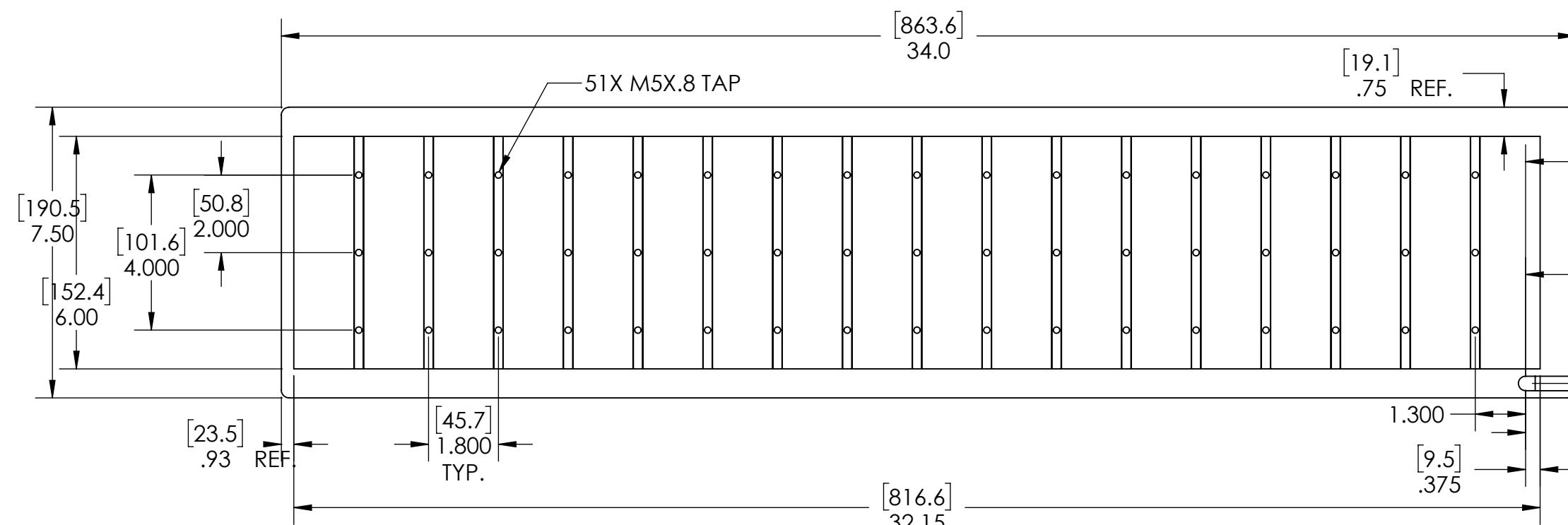
3

4

5

REVISION TABLE

REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	SDC	MPW	1-18-17
A	1955	Minor dimensional changes. Added dual dimension.	SDC	MPW	4-18-17



NOTES:

- DO NOT LIFT MOTOR WITHOUT 70-0197 BLSM-6F LIFTING ANGLES ATTACHED TO BACK OF MOTOR. SEE SHEET 2.



H2W Technologies, Inc.

Santa Clarita, CA 91350 USA

Tel: (661) 291-1620

www.h2wtech.com

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UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows:
.XXX ±.005 ANGLES ±.1°
.XX ±.010 FILLETS .010
.X ±.020 CORNERS .010
Remove All Burrs and Sharp Edges

FOR
REFERENCE
ONLY

MATERIAL	TITLE
FINISH	

BLSM-6F

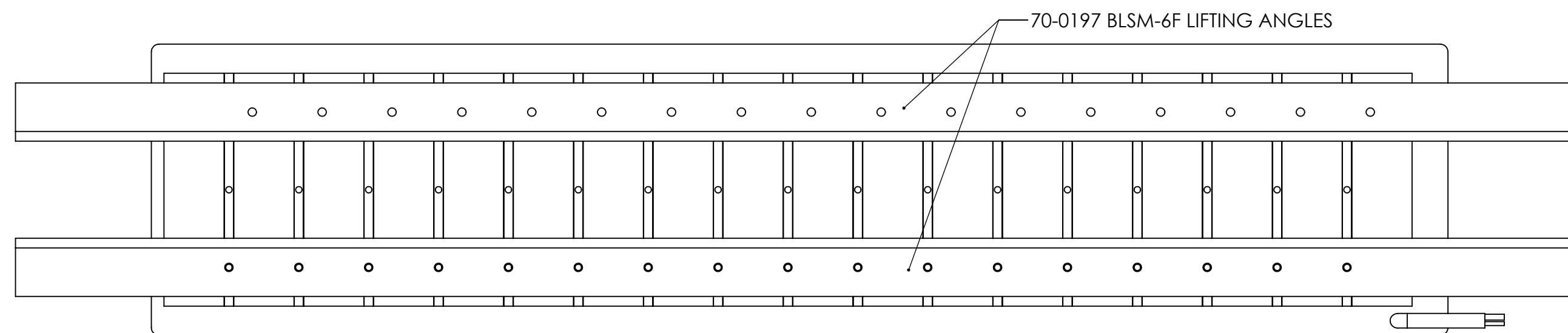
DWG # 21-0227

REV A

DATE 4-18-17

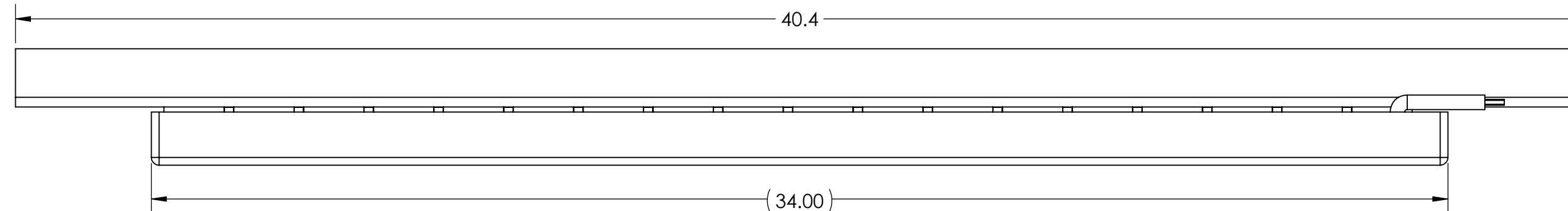
SHEET 1 of 3

A



A

B



B

C

C

D

D



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FOR
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ONLY

MATERIAL	TITLE
FINISH	BLSM-6F

DWG # **21-0227**
REV **A**
DATE **4-18-17** SHEET **2 of 3**

Motor Specifications		
BLSM-6F		
General		
Continuous Force	lbs [N]	600 [2700]
Continuous Current	Amps	7.7
Continuous Power	Watts	457
Peak Force @ 10% Duty	lbs [N]	1800 [8000]
Peak Current @ 10% Duty	Amps	23.1
Peak Power @ 10% Duty	Watts	4100
Electrical		
Force Constant	lbs/Amp [N/Amp]	78 [347]
Back EMF	V/in/sec [V/m/sec]	8.8 [347]
Resistance	Ohms	7.7
Inductance	mH	75
Electrical Time Constant	msec	9.7
Km Motor Constant	lbs/sqW [N/sqW]	28.1 [125]
Mechanical		
Electrical Cycle Length	in [mm]	2.4 [60.96]
Number of Poles	2	
Coil Assembly Length	in [mm]	34.0 [864]
Coil Assembly Weight	lbs [kg]	110 [49.9]

Wiring	
Motor	
Phase A	White/Red Stripe
Phase B	White
Phase C	White/Black Stripe
Ground	White/Green Stripe
Thermostat 1	Blue
Thermostat 2	Orange
Hall Effect	
Hall A	White
Hall B	Red
Hall C	Black
Hall Ground	Green
Hall Power (+5-24VDC)	Brown, Orange, Violet, Yellow