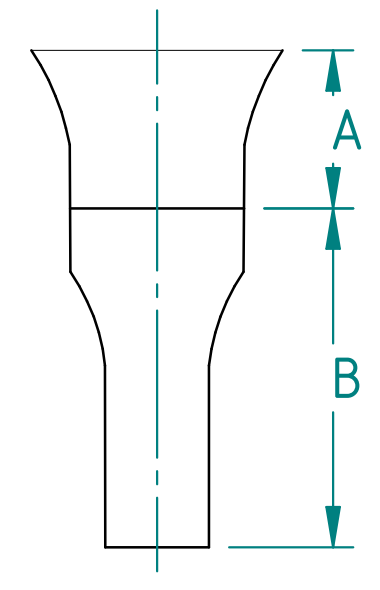
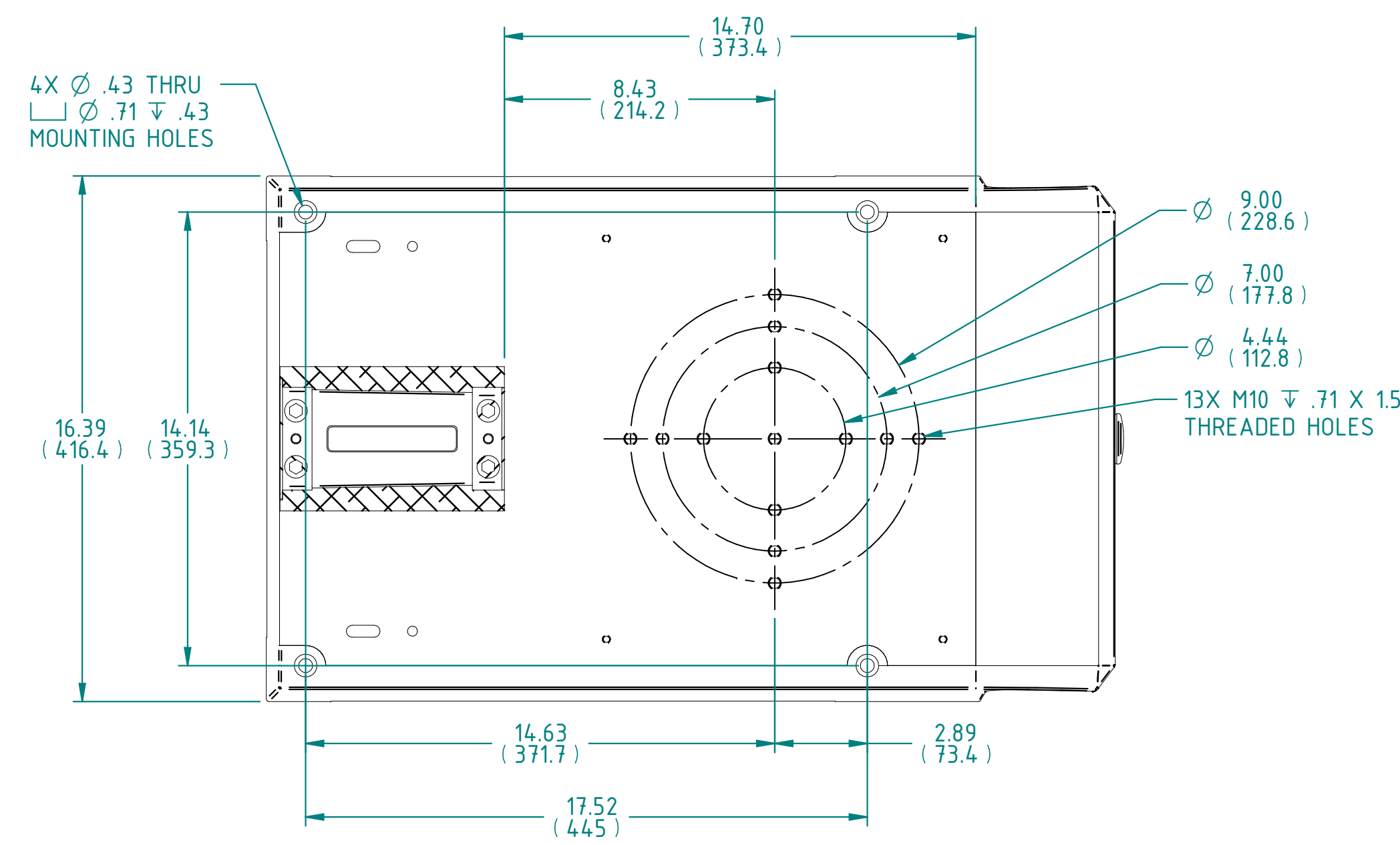


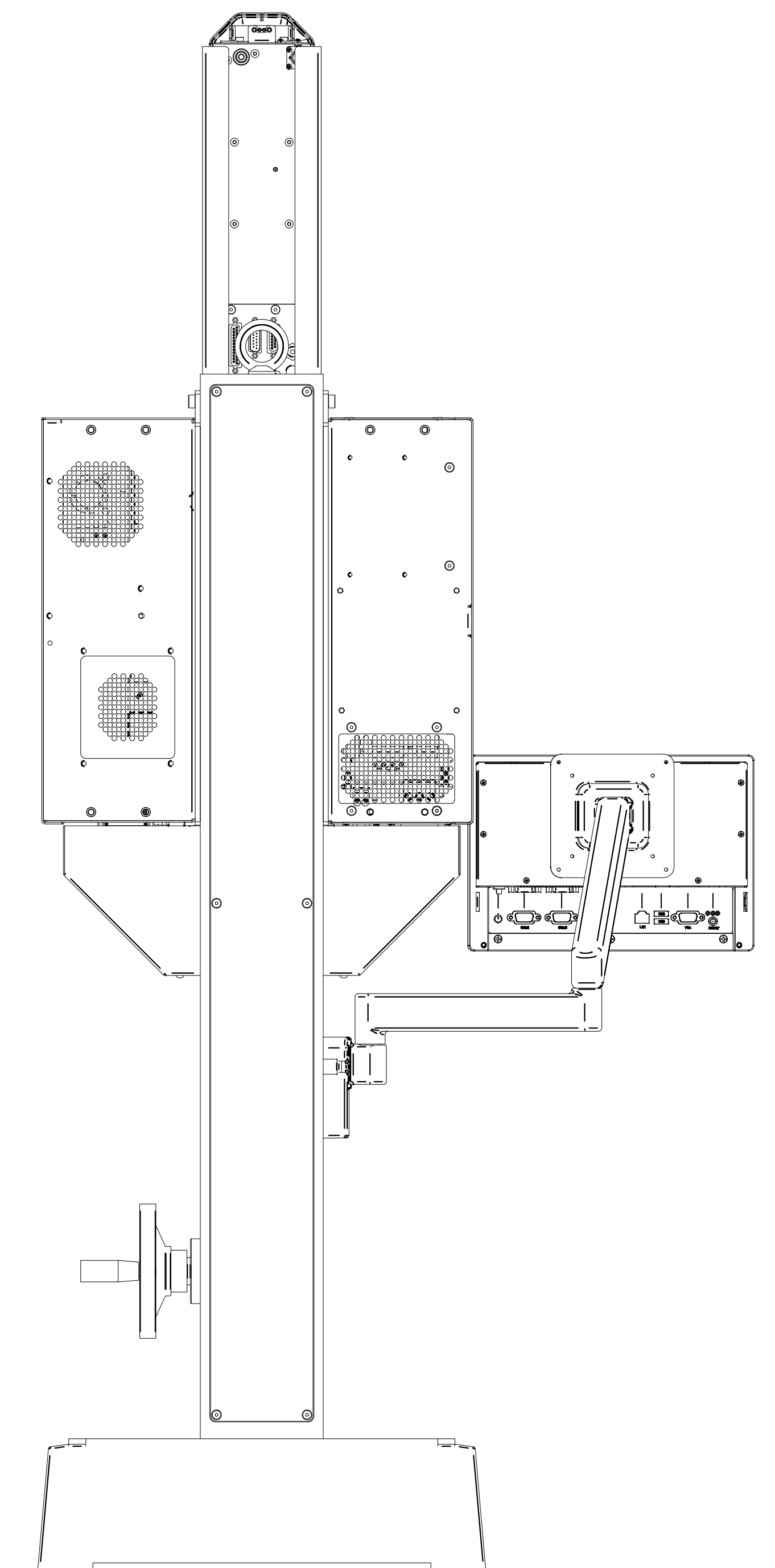
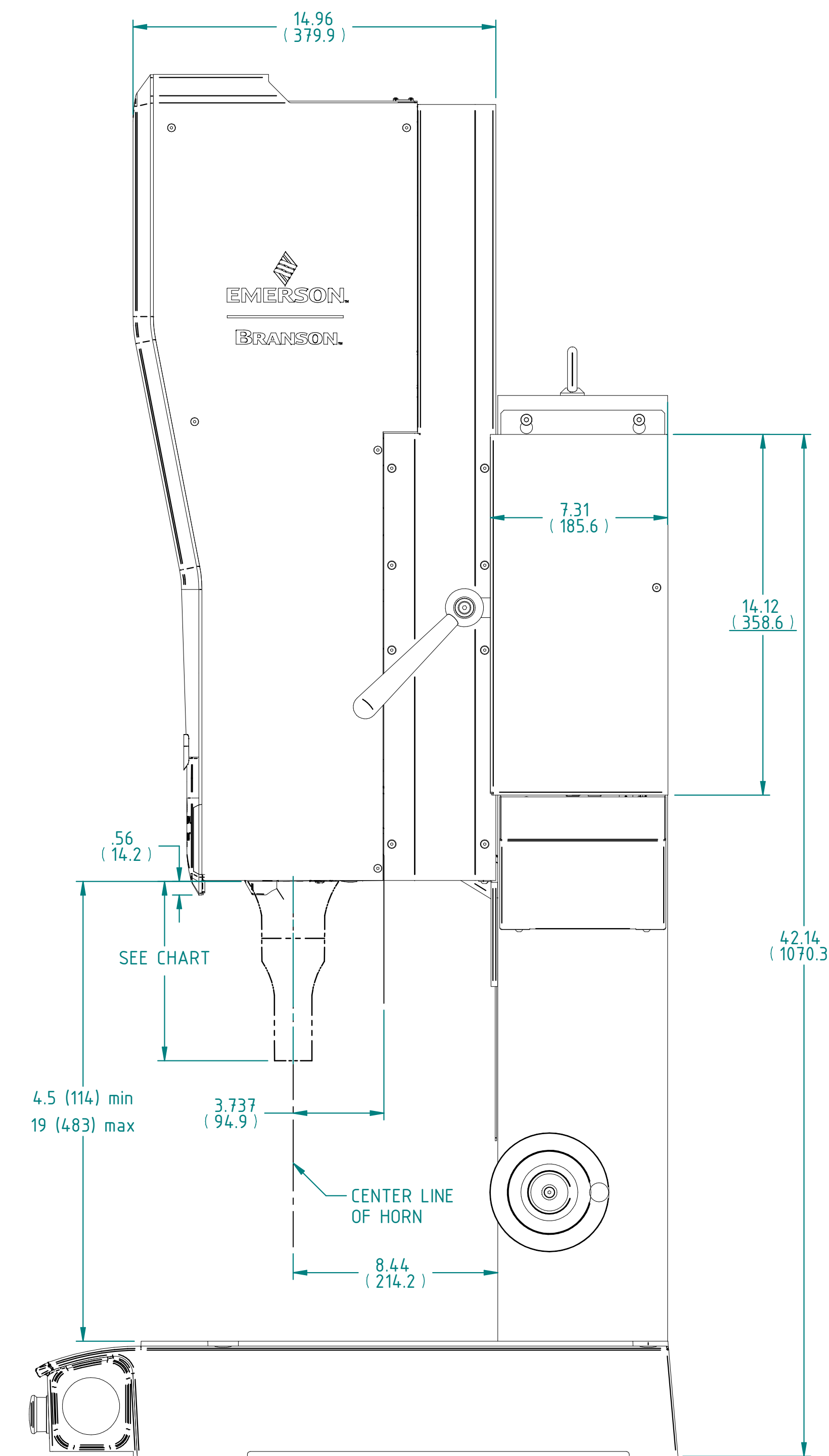
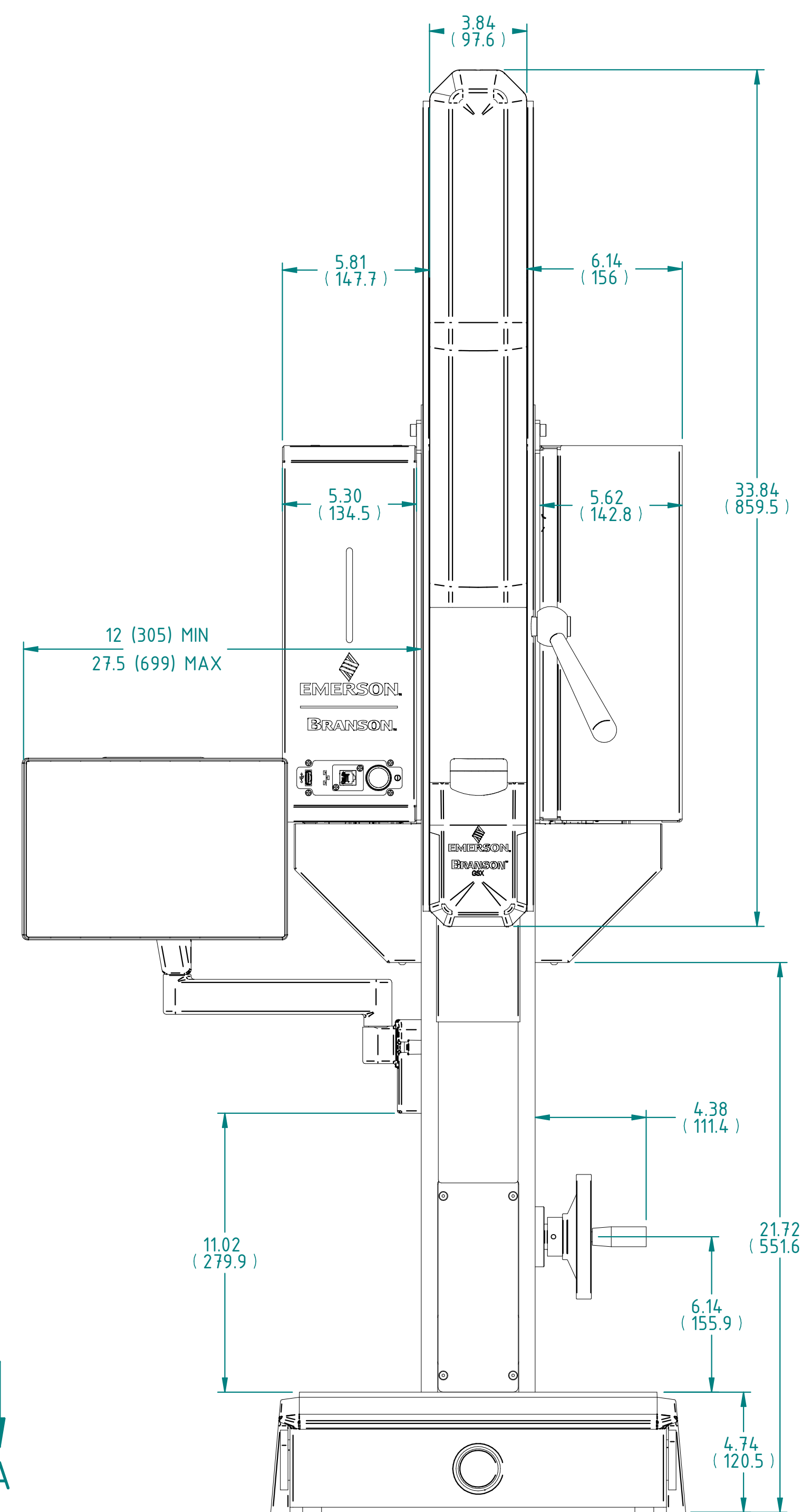
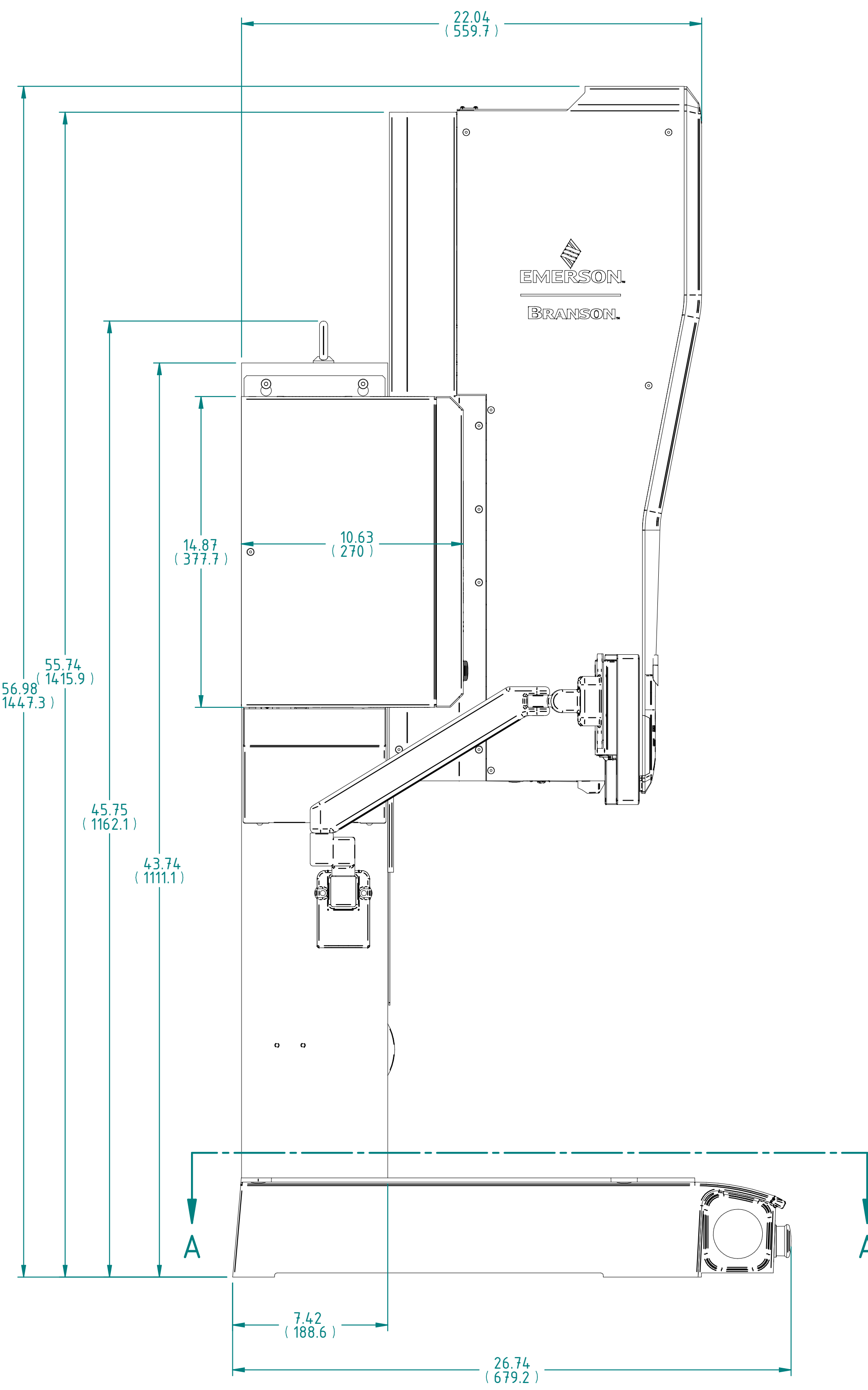
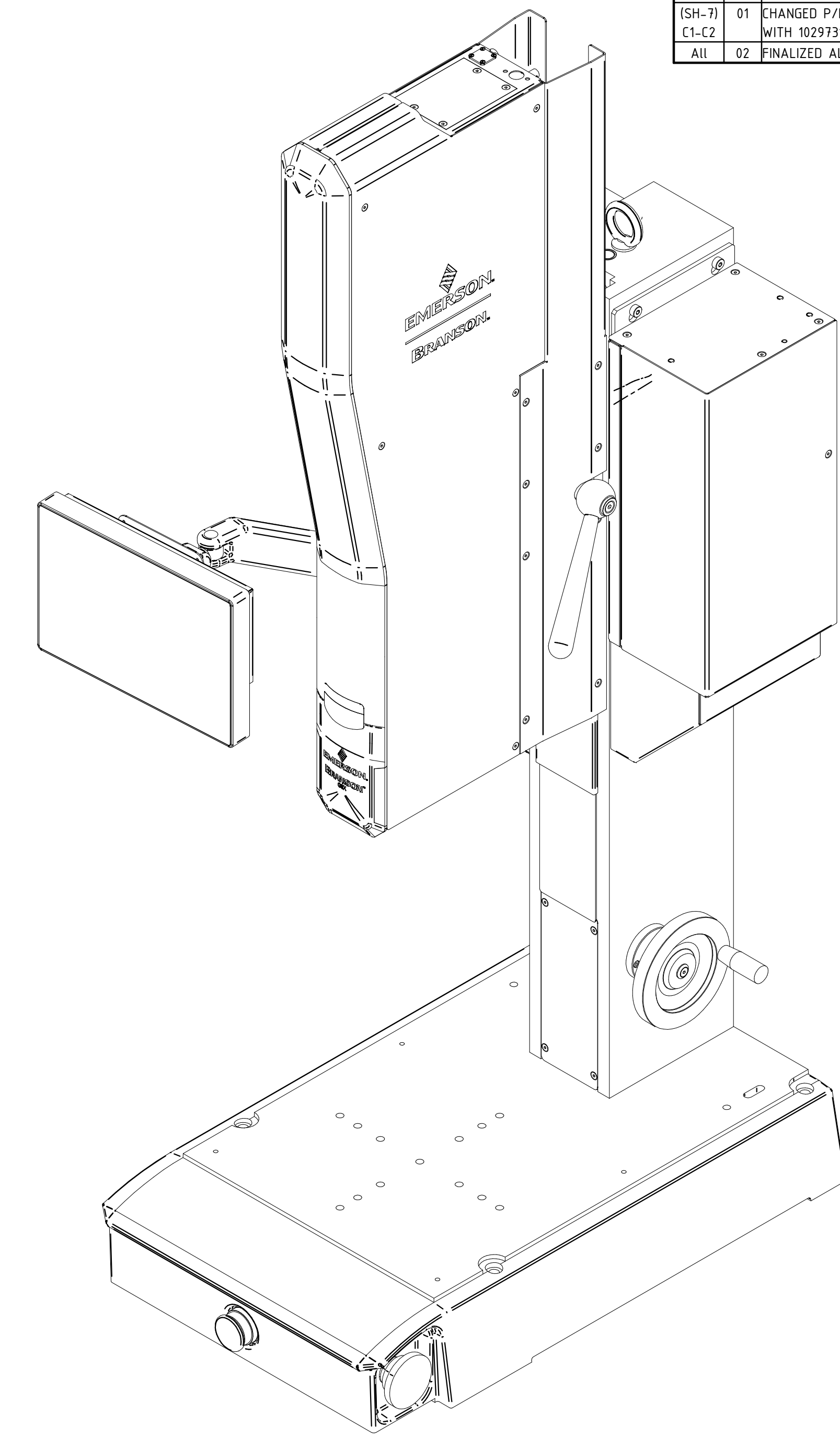
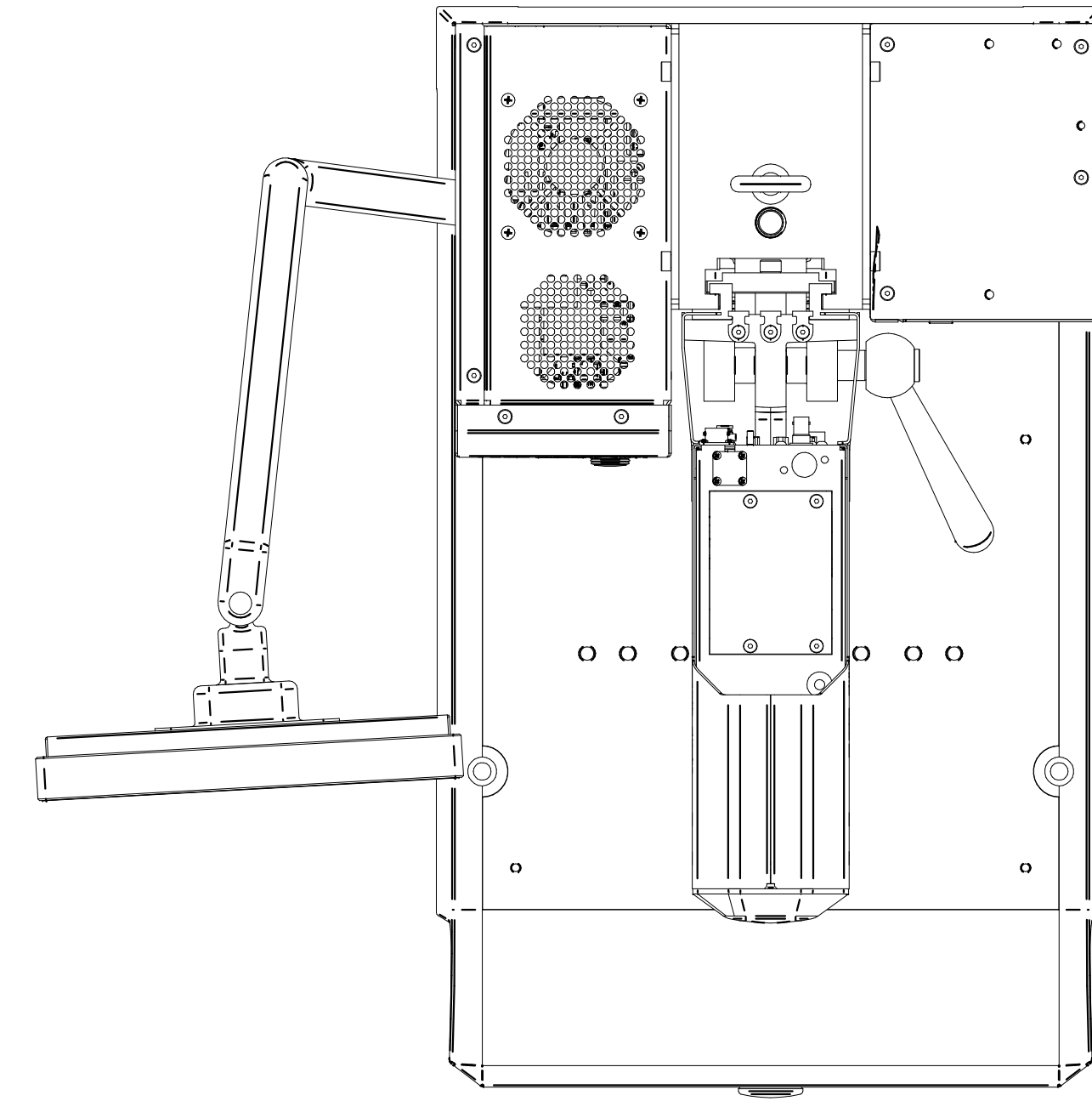
ZONE		REV	DESCRIPTION	DATE	ECN/ECO	DRAWN	APPR.
---	00	INITIAL RELEASE		11/3/20	RM-9073	DAS	DAS
ESH-71	01	CHANGED P/N 1018635 WITH 1029730, 1018636 WITH 1029731 & 1018637 WITH 1029732		3/17/21	103079	OZG	GB
ALL	02	FINALIZED ALL VIEWS FOR RELEASE		4/28/21	103144	DAS	DAS

HORN DIMENSIONS	FREQUENCY			DIMENSION SHOWN ARE APPROXIMATE TO ALLOW FOR DIFFERENT BOOSTER GAIN HORN DESIGN, MATERIAL AND TUNING. ALL HORN DIMENSIONS ARE FOR 1/2 WAVE DESIGNS. ALLOW FOR ADJUSTABILITY AND POTENTIAL TOOLING CHANGE
	20 KHz	30 KHz	40 KHz	
	2.12 TO 2.75 (53.8 TO 69.9)	1.30 TO 1.54 (33 TO 39.1)	0.69 TO 0.94 (17.5 TO 23.9)	
	5 TO 5.50 (127.0 TO 139.7)	2.97 TO 3.80 (75.4 TO 96.5)	2.5 TO 2.75 (63.5 TO 69.9)	

HORN WIDTH AND LENGTH WILL VARY WITH EACH DESIGN



SECTION A-A



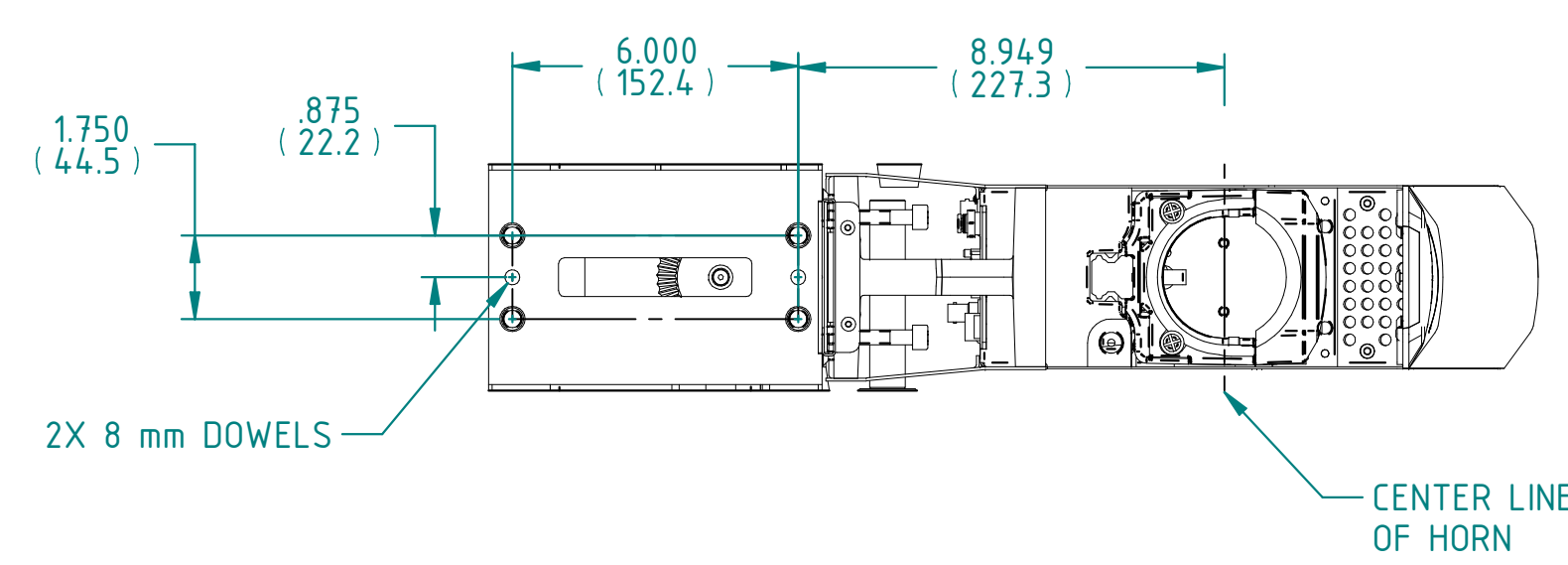
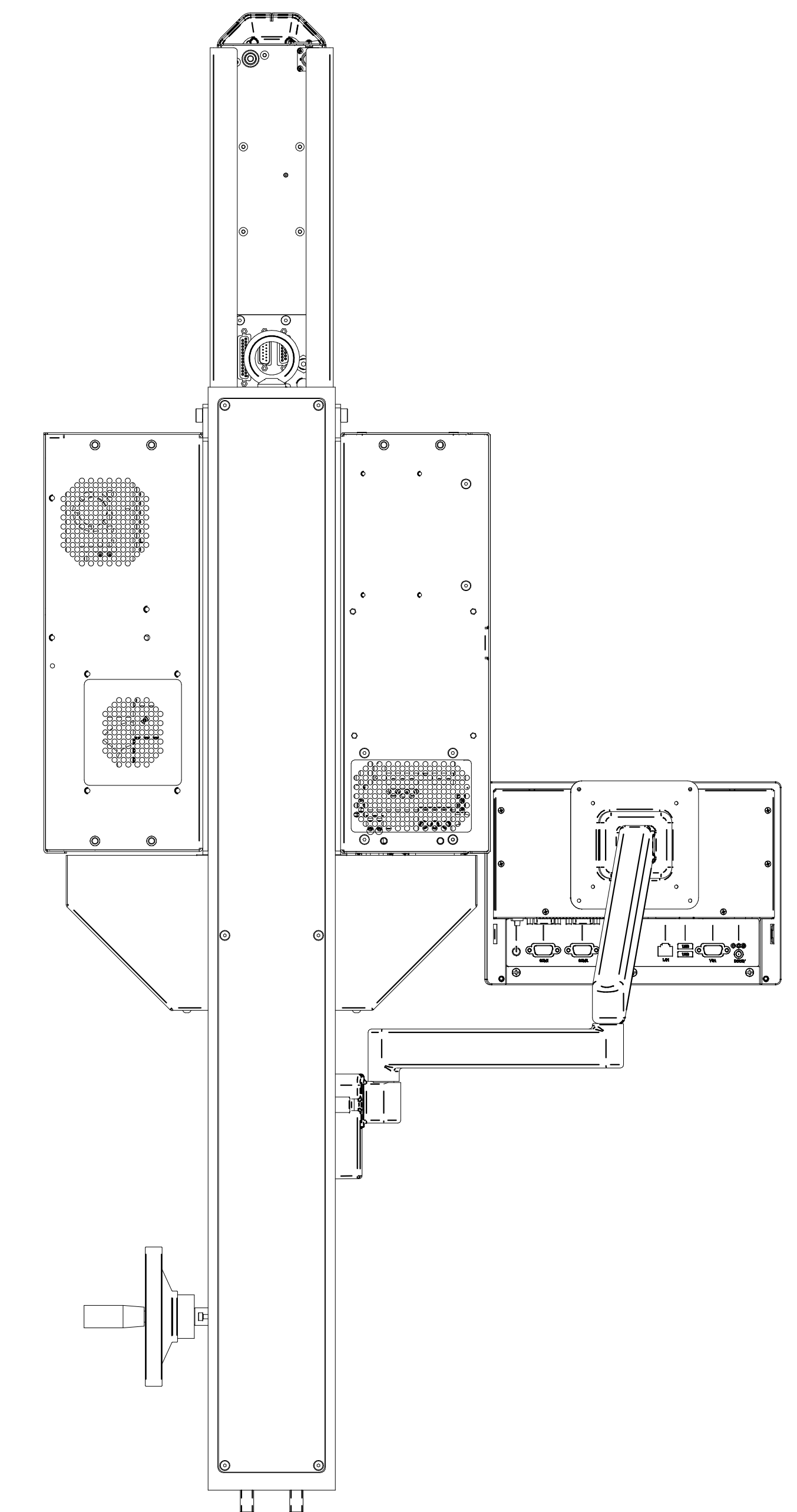
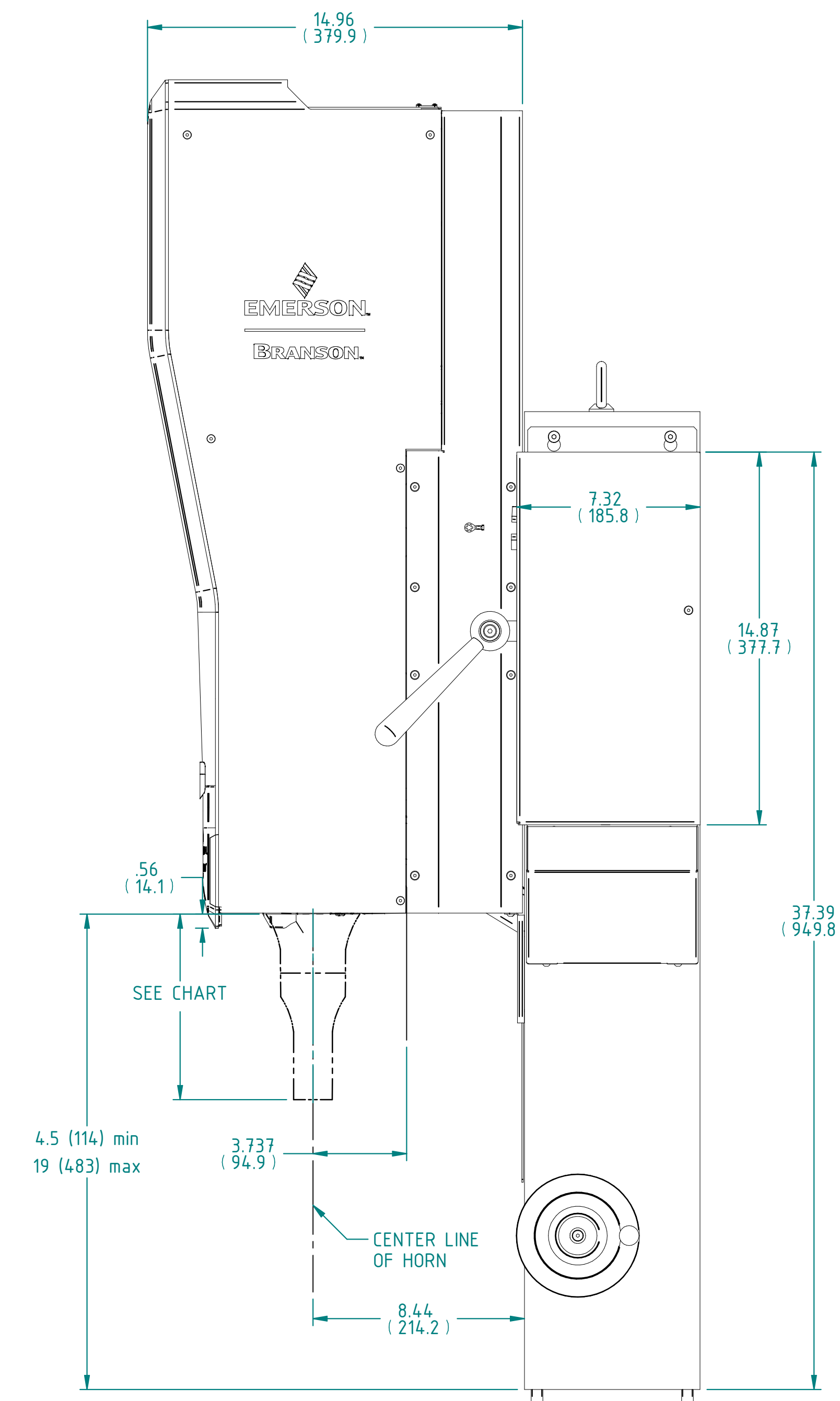
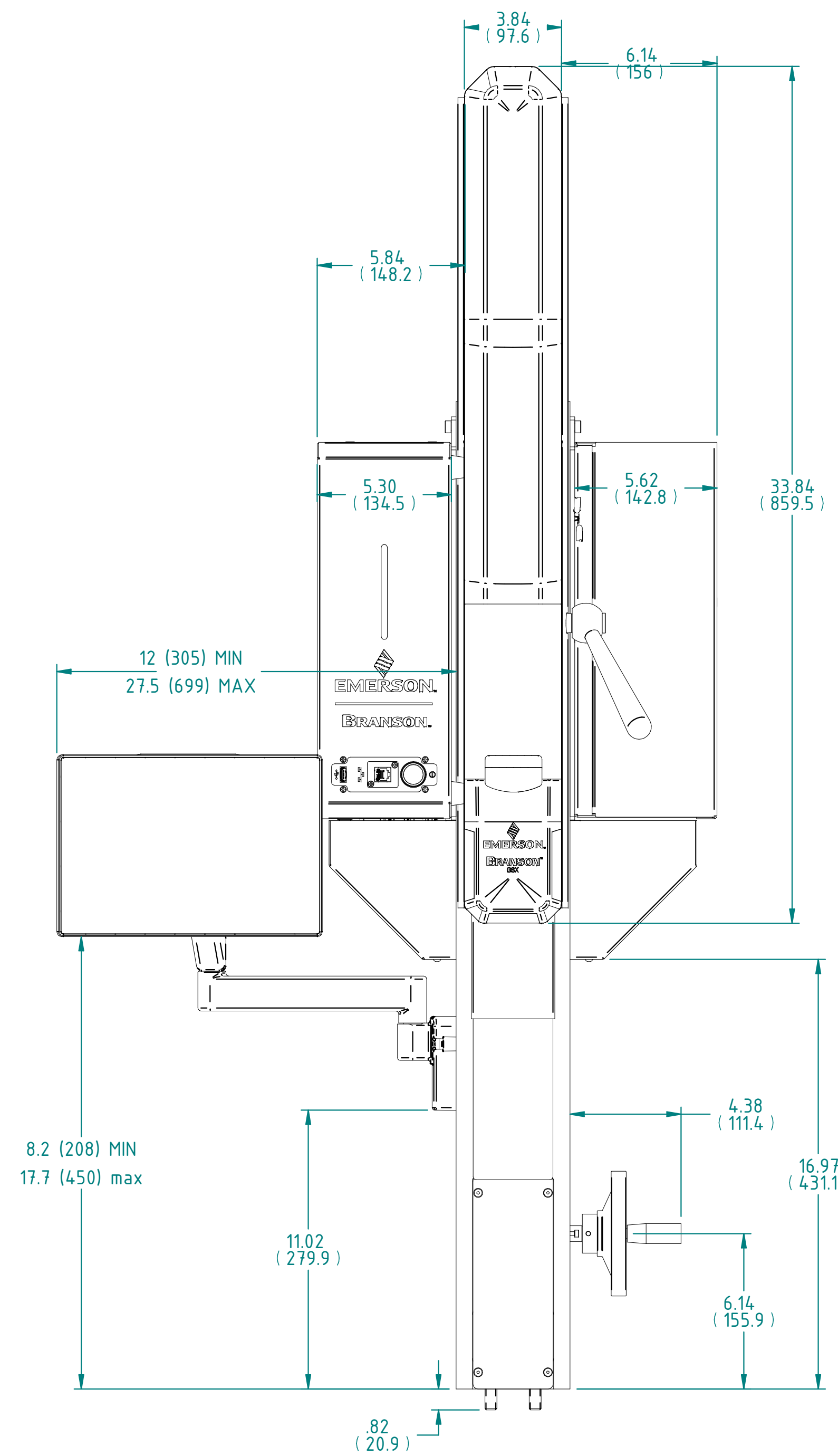
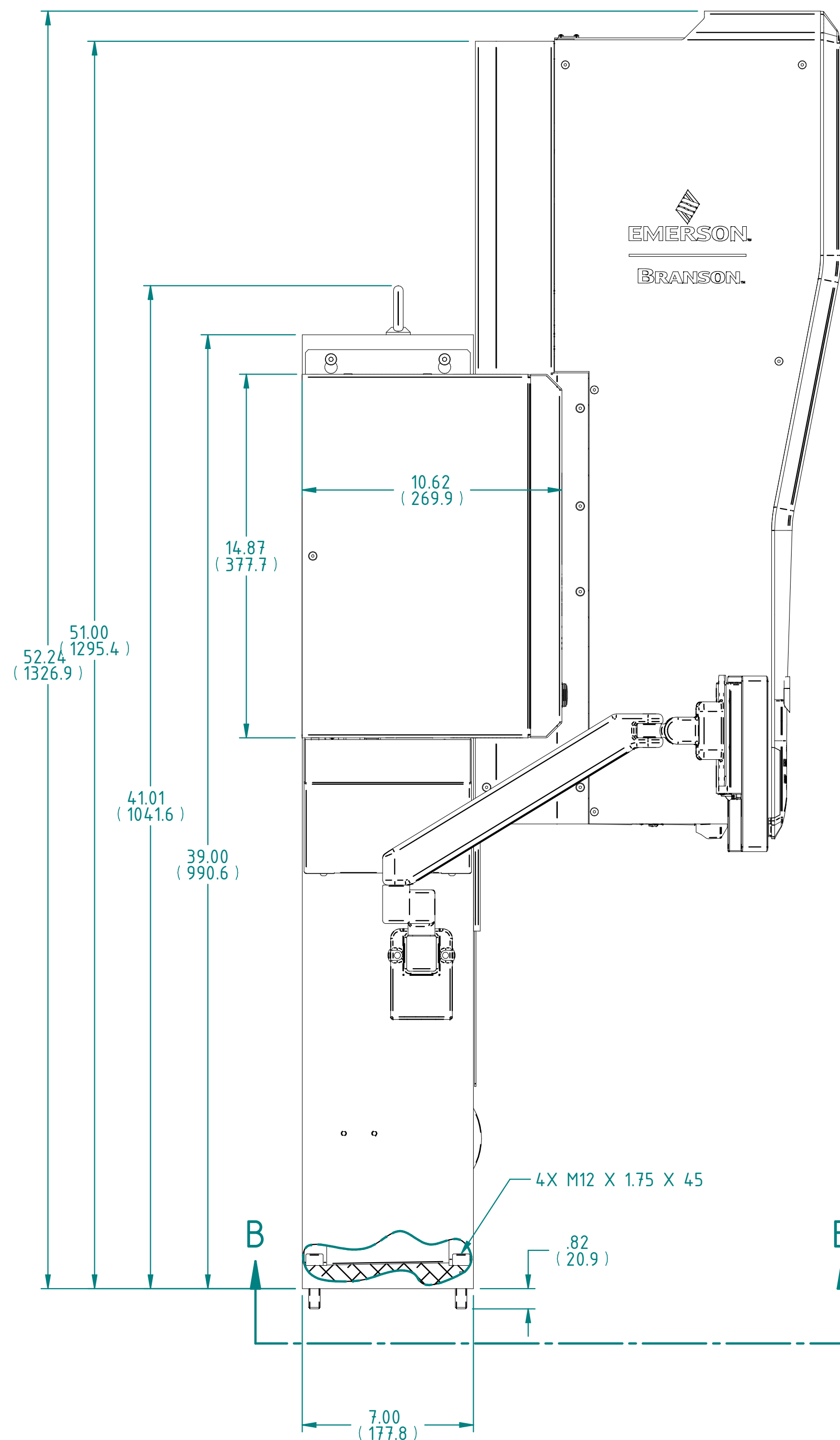
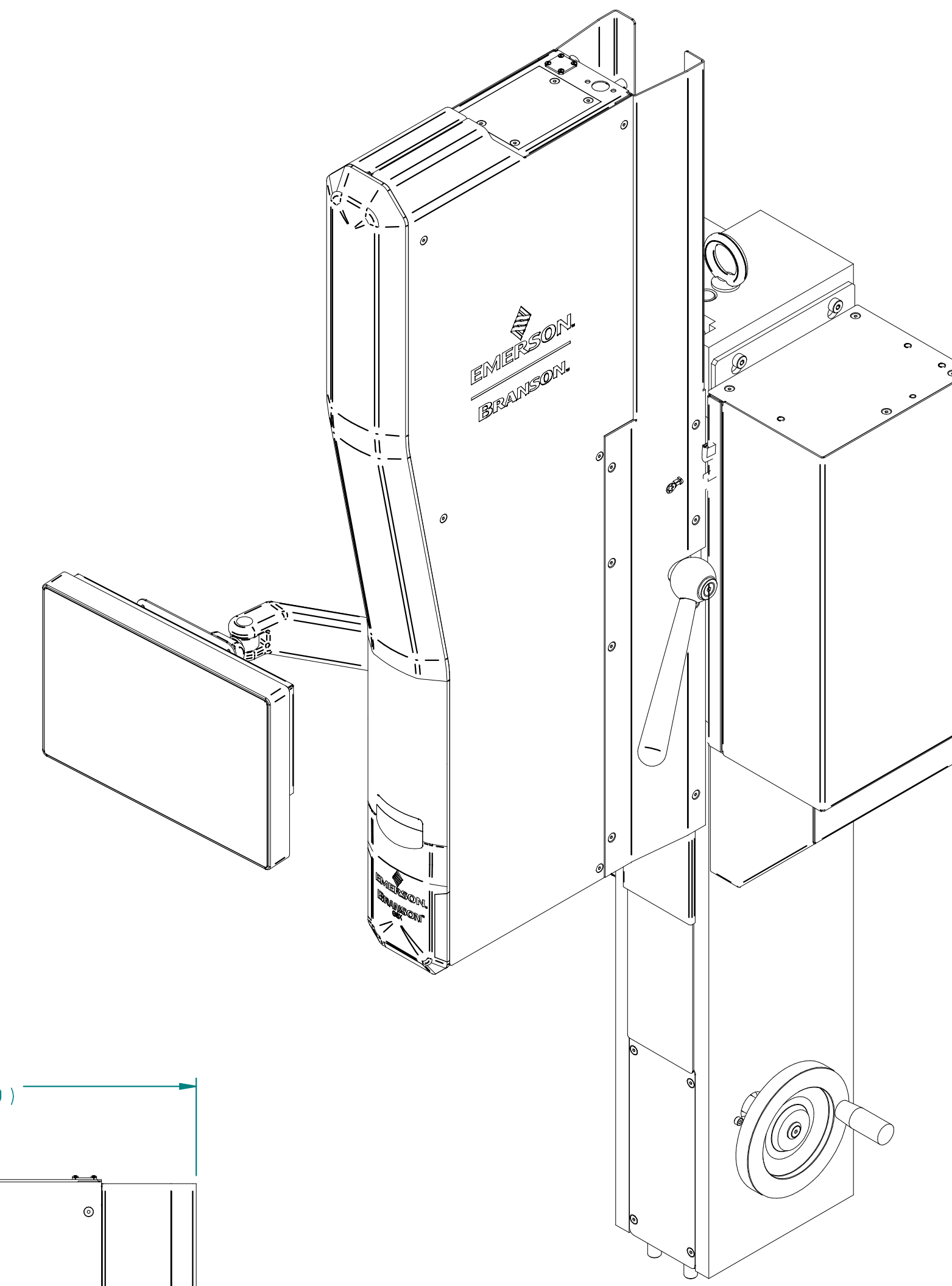
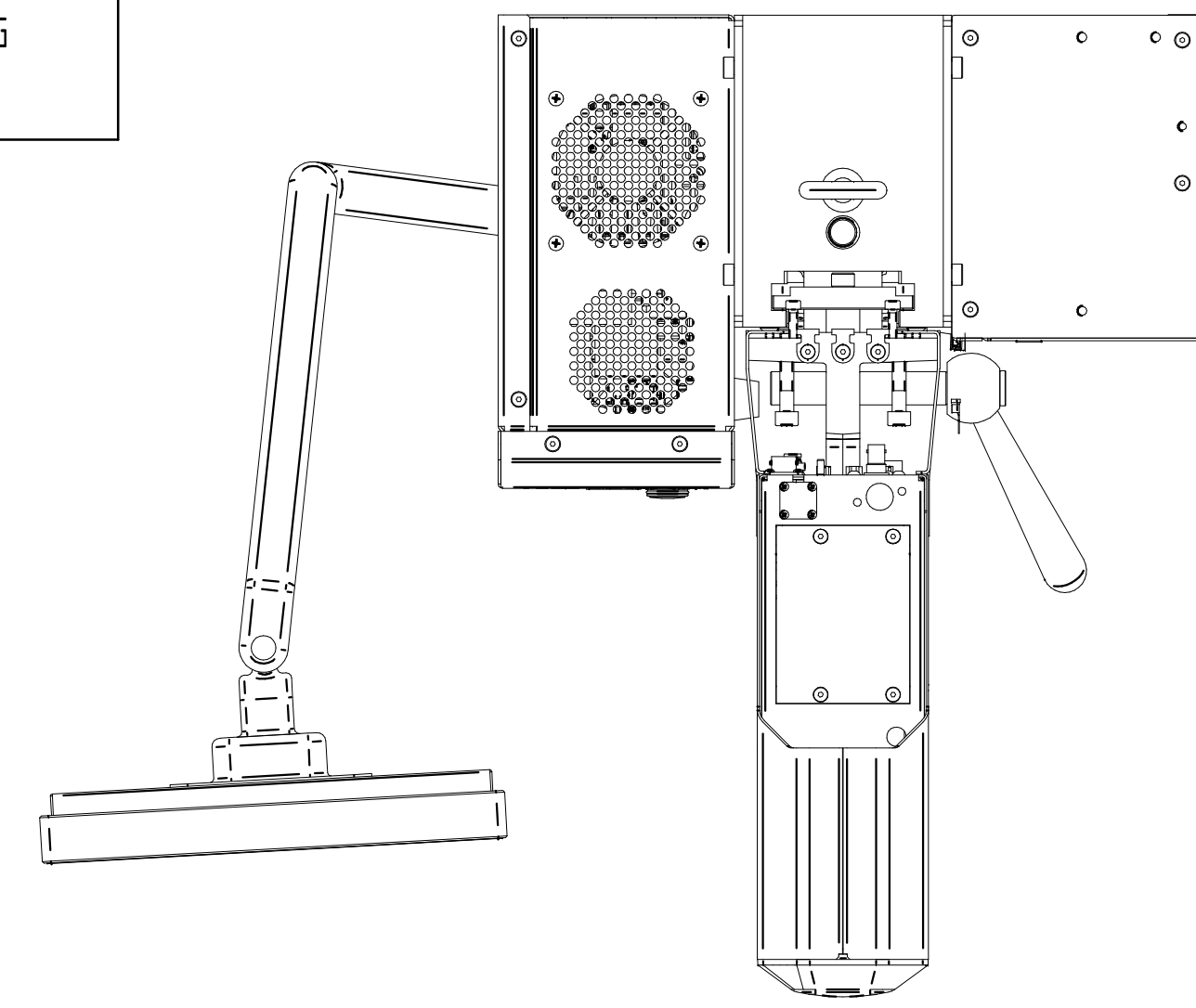
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND DECIMALS ARE: 2 PLACE DECIMALS - 1/32 3 PLACE DECIMALS - .005 ANGLES - 1/4 INCHES PER SIDE
 GD & T Standard ANSI Y14.5-2018
 SECONDARY DIMENSIONS ARE PROVIDED FOR REFERENCE ONLY
 3RD ANGLE PROJECTION

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 Article or material must comply with requirements stipulated by RoHS in its current version.

MATERIAL	NAME	DATE	TITLE
	EMERSON		OUTLINE GSX E1 SYSTEM
	DRAWN	8/03/10	AGENCY PART NO
	CHECKED	8/03/10	DWG CLASSIFICATION
	APPROVED	8/03/10	IF CLASSIFICATION
	SCALE: 14	SHEET 1 OF 9	WEIGHT
			SIZE DWG NO
			1019184
			REV 02

HORN DIMENSIONS	FREQUENCY			DIMENSION SHOWN ARE APPROXIMATE TO ALLOW FOR DIFFERENT BOOSTER GAIN HORN DESIGN, MATERIAL AND TUNING. ALL HORN DIMENSIONS ARE FOR 1/2 WAVE DESIGNS. ALLOW FOR ADJUSTABILITY AND POTENTIAL TOOLING CHANGE
	20 KHz (53.8 TO 69.9)	30 KHz (33 TO 39.1)	40 KHz (17.5 TO 23.9)	
A	2.12 TO 2.75 (53.8 TO 69.9)	1.30 TO 1.54 (33 TO 39.1)	0.69 TO 0.94 (17.5 TO 23.9)	
B	5 TO 5.50 (127.0 TO 139.7)	2.97 TO 3.80 (75.4 TO 96.5)	2.5 TO 2.75 (63.5 TO 69.9)	

HORN WIDTH AND LENGTH WILL VARY WITH EACH DESIGN



VIEW B-B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND DECIMALS ARE .005 2 PLACE DECIMALS .015 3 PLACE DECIMALS .0005 4 PLACE DECIMALS .00005 ANGLES AT FRACTIONS 1/32 SURFACES FINISH GD & T Standard ANSI Y14.5 SECONDARY DIMENSIONS ARE PROVIDED FOR REFERENCE ONLY 3RD ANGLE PROJECTION

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MATERIAL: - FINISH: - Material Spec. - Finish Spec. -

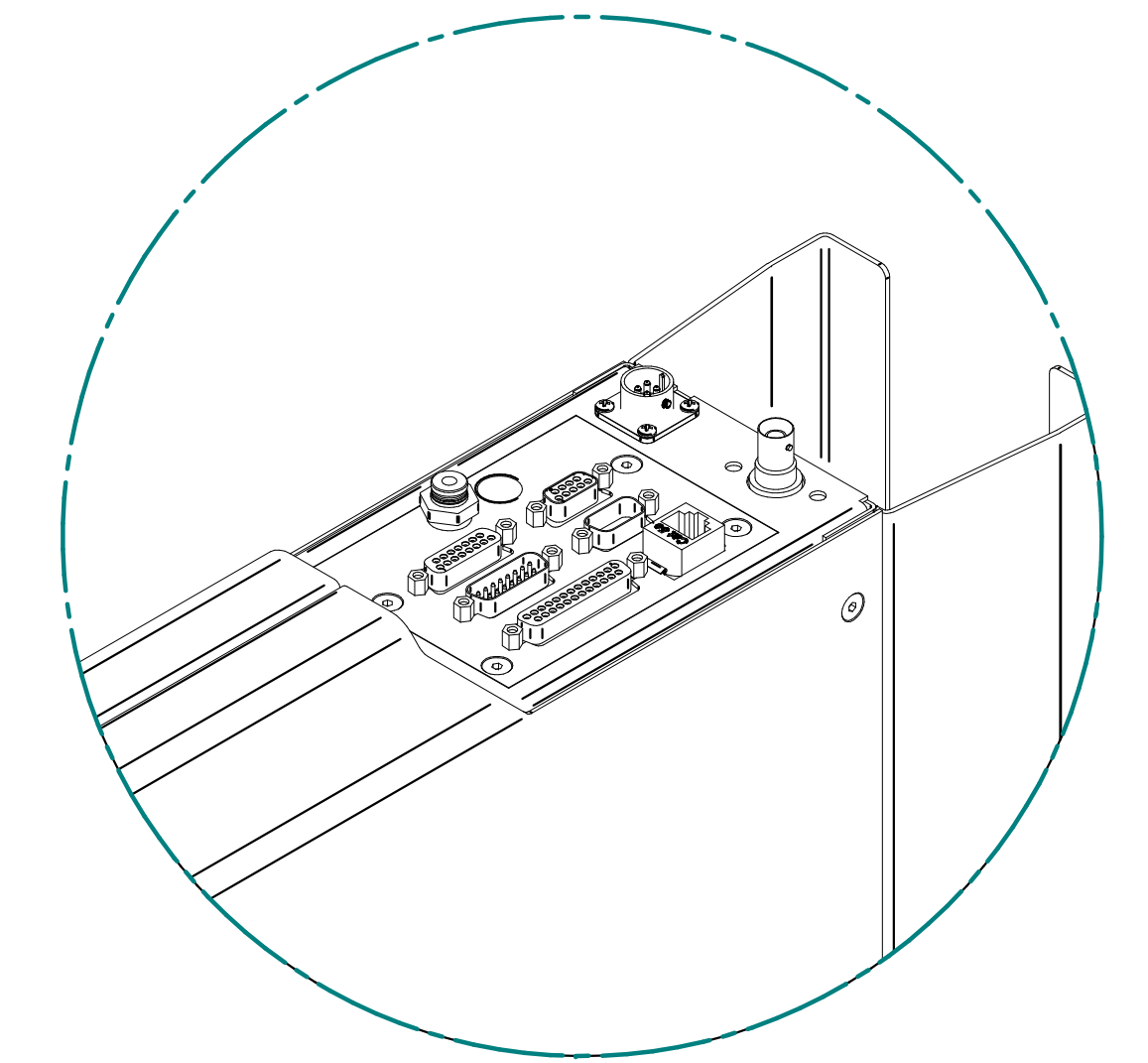
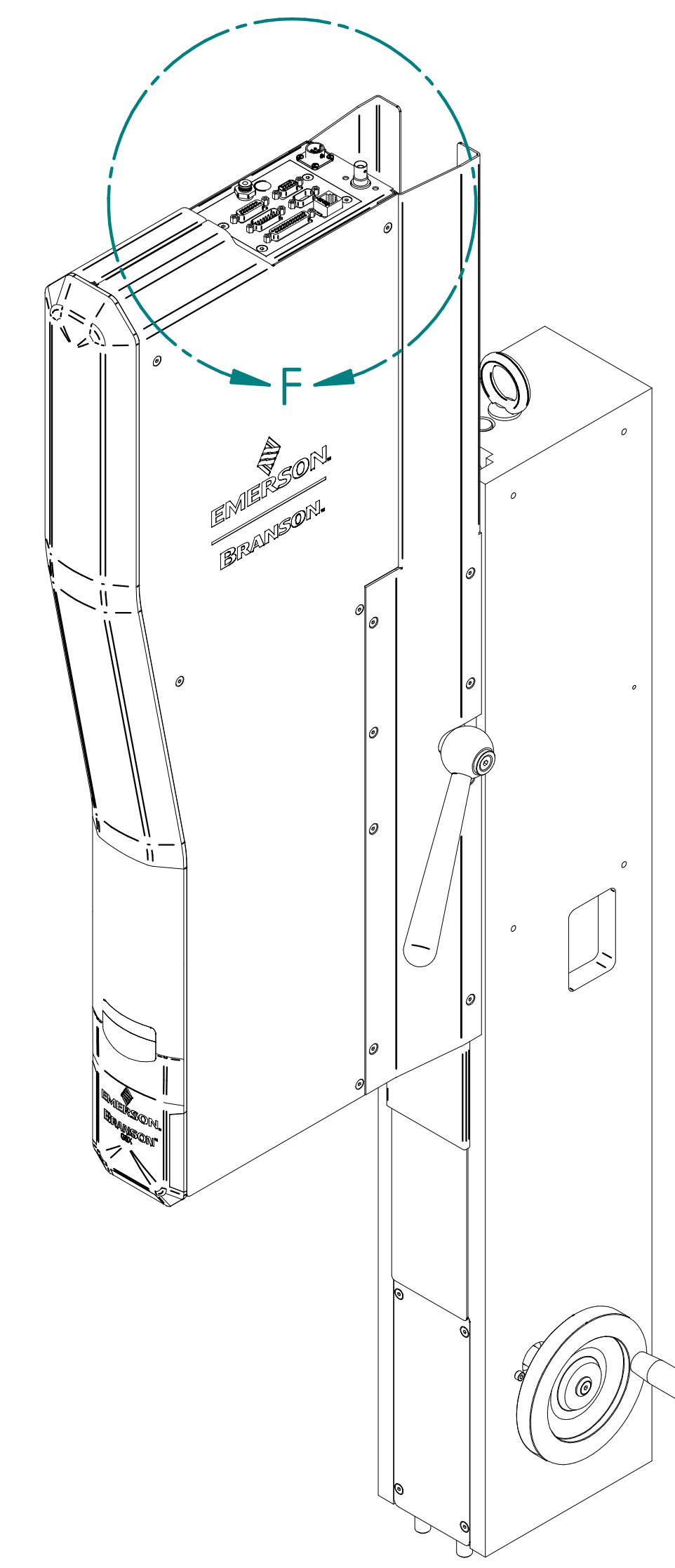
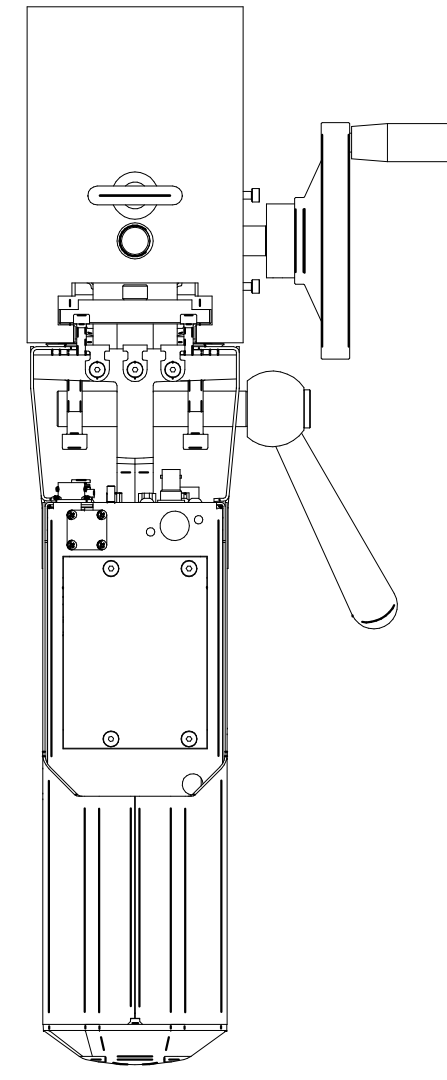
NAME	DATE
DRAWN	8/03/10
CHECKED	8/03/10
APPROVED	8/03/10
SCALE: 1:1	SHEET 2 OF 9

BRANSON		TITLE	
OUTLINE GSX E1 SYSTEM		AGENCY PART	NO
		DEC CLASSIFICATION	3 Important
		IP CLASSIFICATION	
		WEIGHT	0.000 lbm
		SIZE DWG NO	1019184
		REV	02

SOLID EDGE

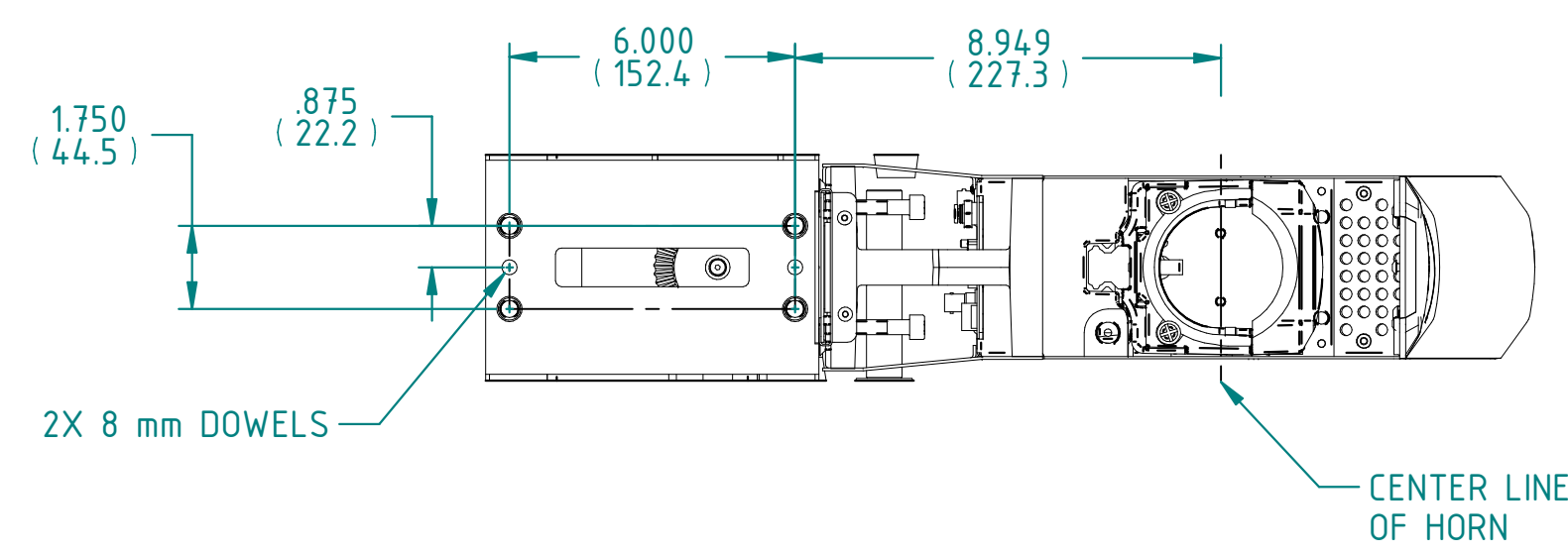
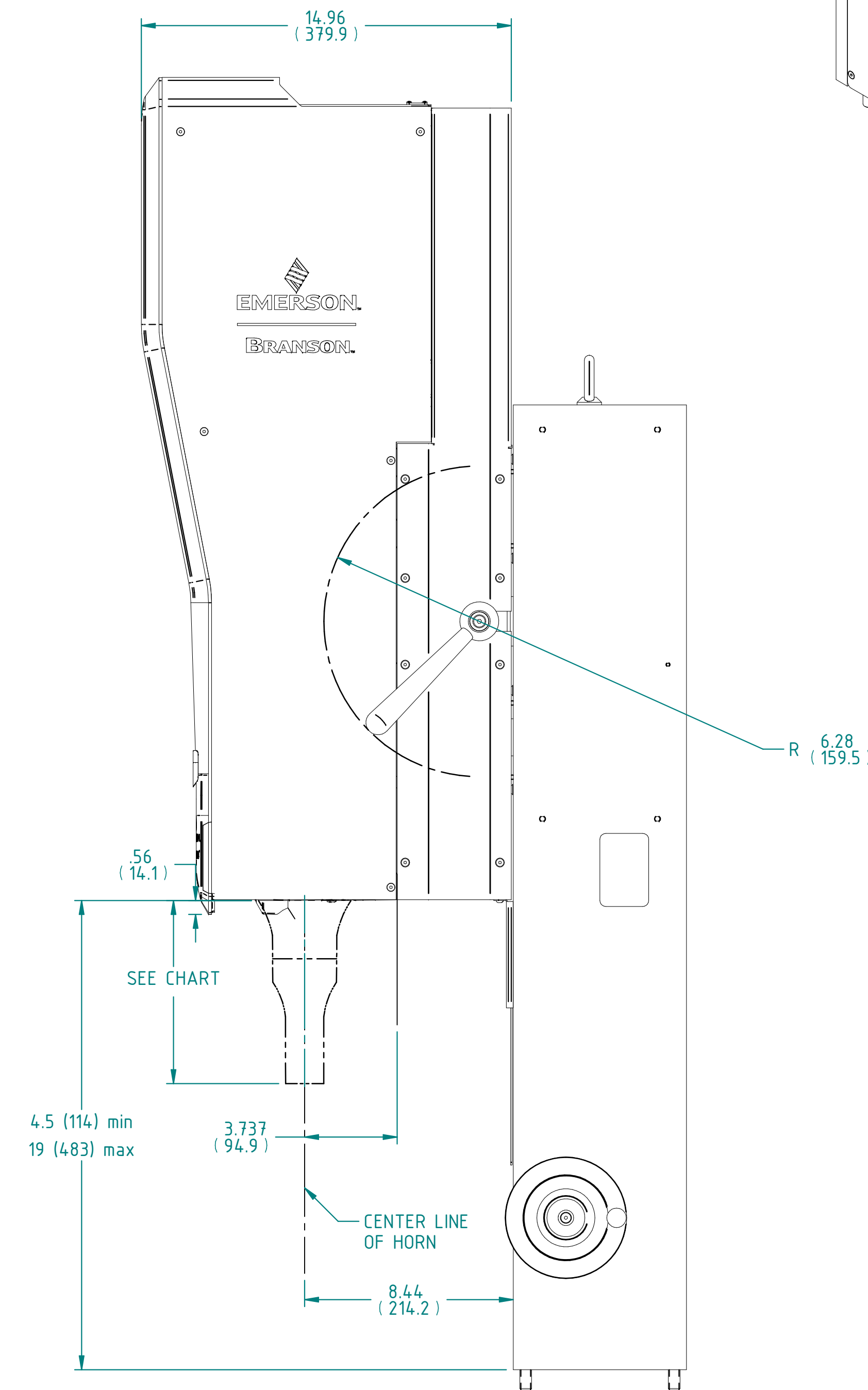
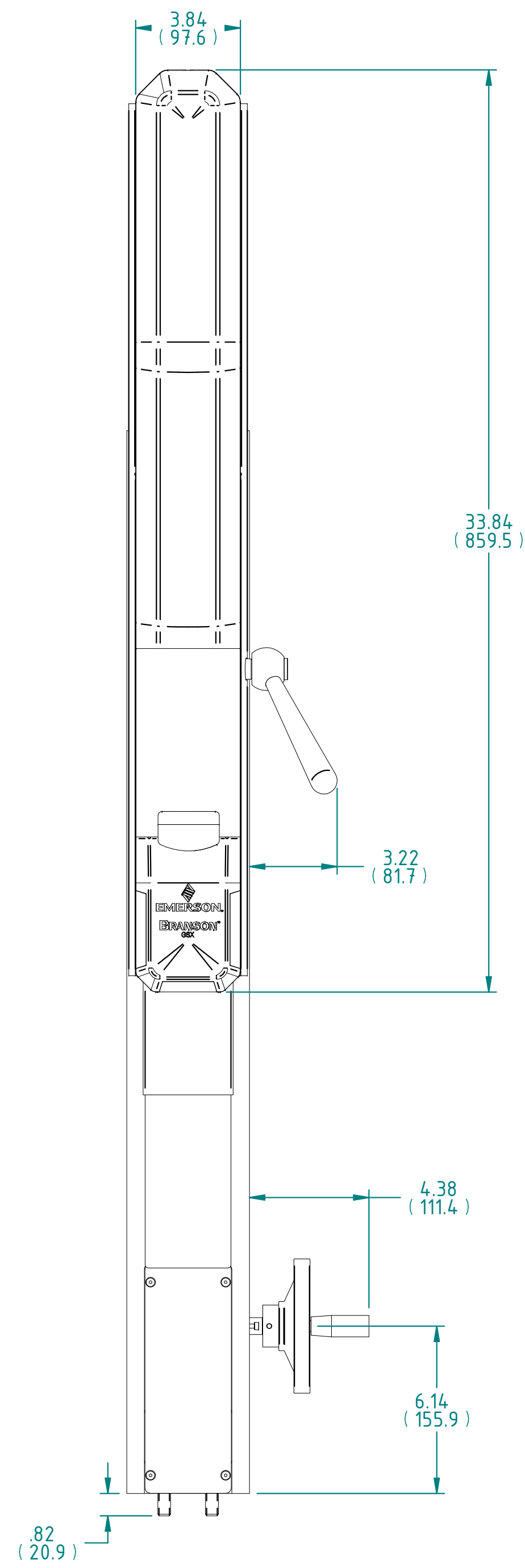
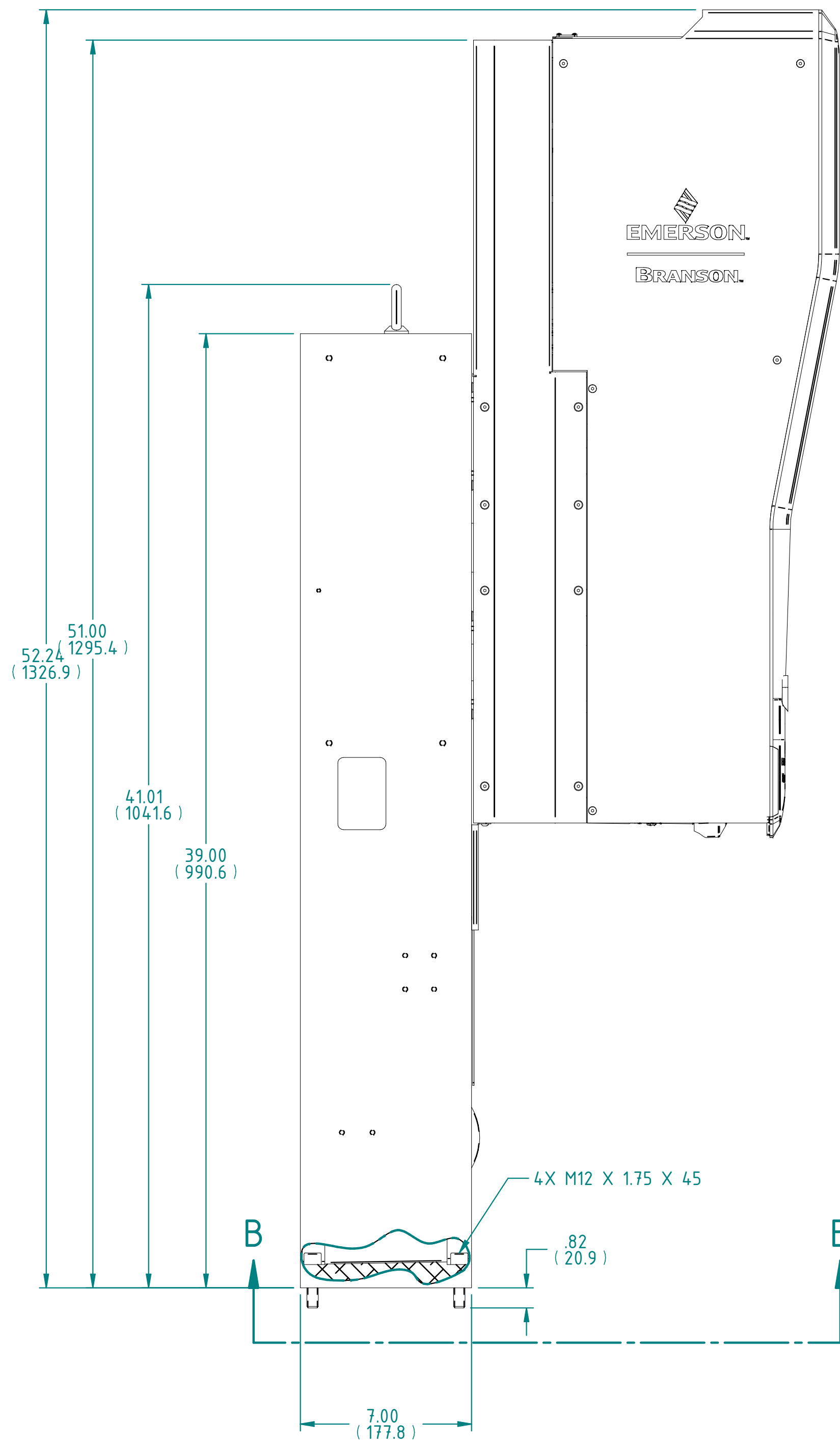
HORN DIMENSIONS	FREQUENCY			DIMENSION SHOWN ARE APPROXIMATE TO ALLOW FOR DIFFERENT BOOSTER GAIN HORN DESIGN, MATERIAL AND TUNING. ALL HORN DIMENSIONS ARE FOR 1/2 WAVE DESIGNS. ALLOW FOR ADJUSTABILITY AND POTENTIAL TOOLING CHANGE
	20 KHz (53.8 TO 69.9)	30 KHz (33 TO 39.1)	40 KHz (17.5 TO 23.9)	
A	2.12 TO 2.75 (53.8 TO 69.9)	1.30 TO 1.54 (33 TO 39.1)	0.69 TO 0.94 (17.5 TO 23.9)	
B	5 TO 5.50 (127.0 TO 139.7)	2.97 TO 3.80 (75.4 TO 96.5)	2.5 TO 2.75 (63.5 TO 69.9)	

HORN WIDTH AND LENGTH WILL VARY WITH EACH DESIGN



SHOWN WITH
OPTIONAL TOP
CONNECTIONS

DETAIL F



VIEW B-B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND DECIMALS ARE 2 PLACE DECIMALS 1/16 IN PLACE DECIMALS 1/32 ANGLES AT FRACTIONS 1/16 3/32 1/8 1/4 3/8 1/2 5/8 3/4 7/8 1 1 1/4 1 1/2 2 3 4 5 6 8 10 12 15 20 30 45 60 90 120 150 180

GD & T Standard ANSIS ILY.1 INCHES (MM)

3RD ANGLE PROJECTION

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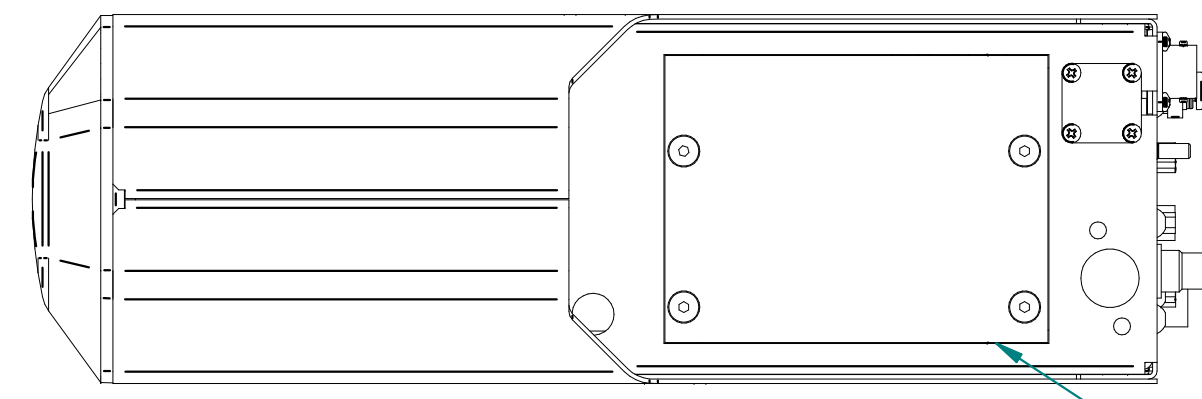
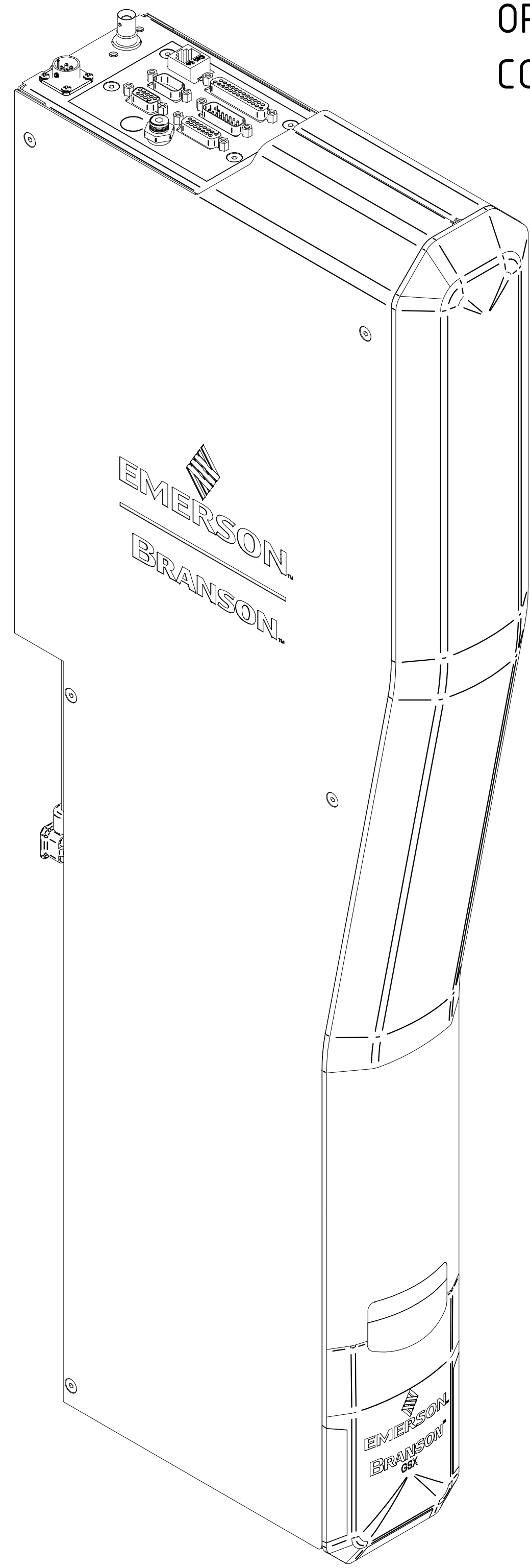
MATERIAL: -
FINISH: -
Material Spec. -
Finish Spec. -

NAME	DATE
DRAWN -	8/03/10
CHECKED -	8/03/10
APPROVED -	8/03/10

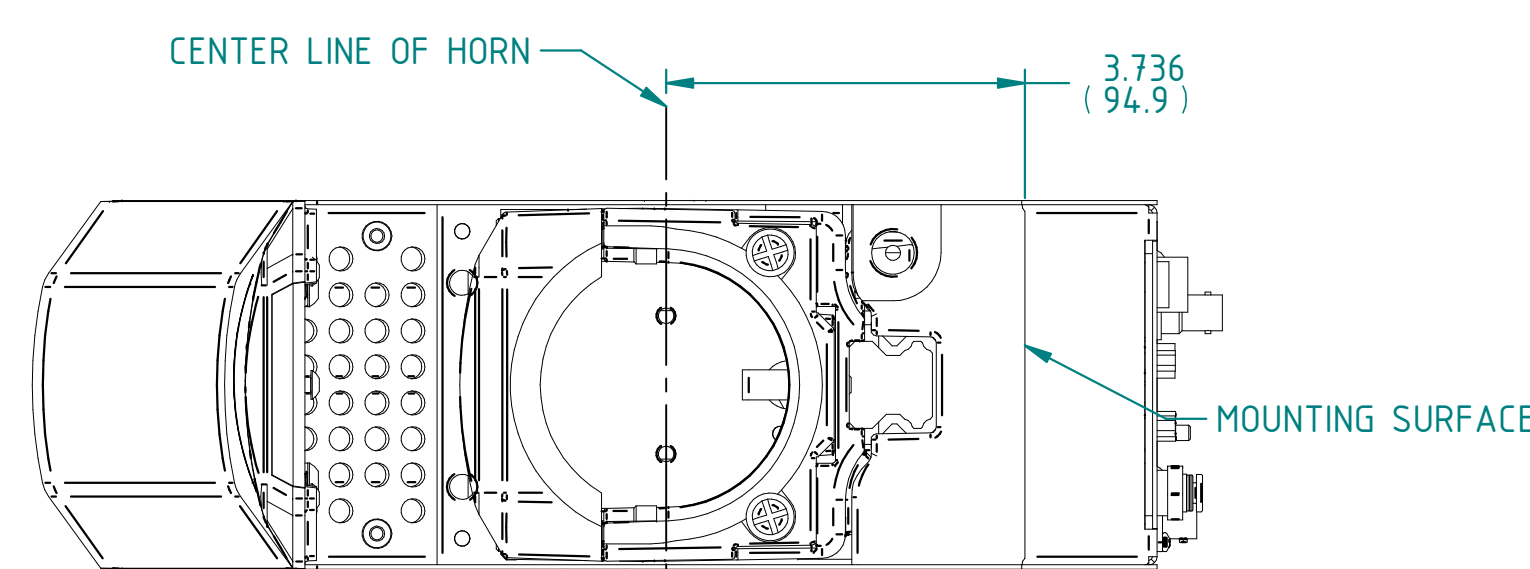
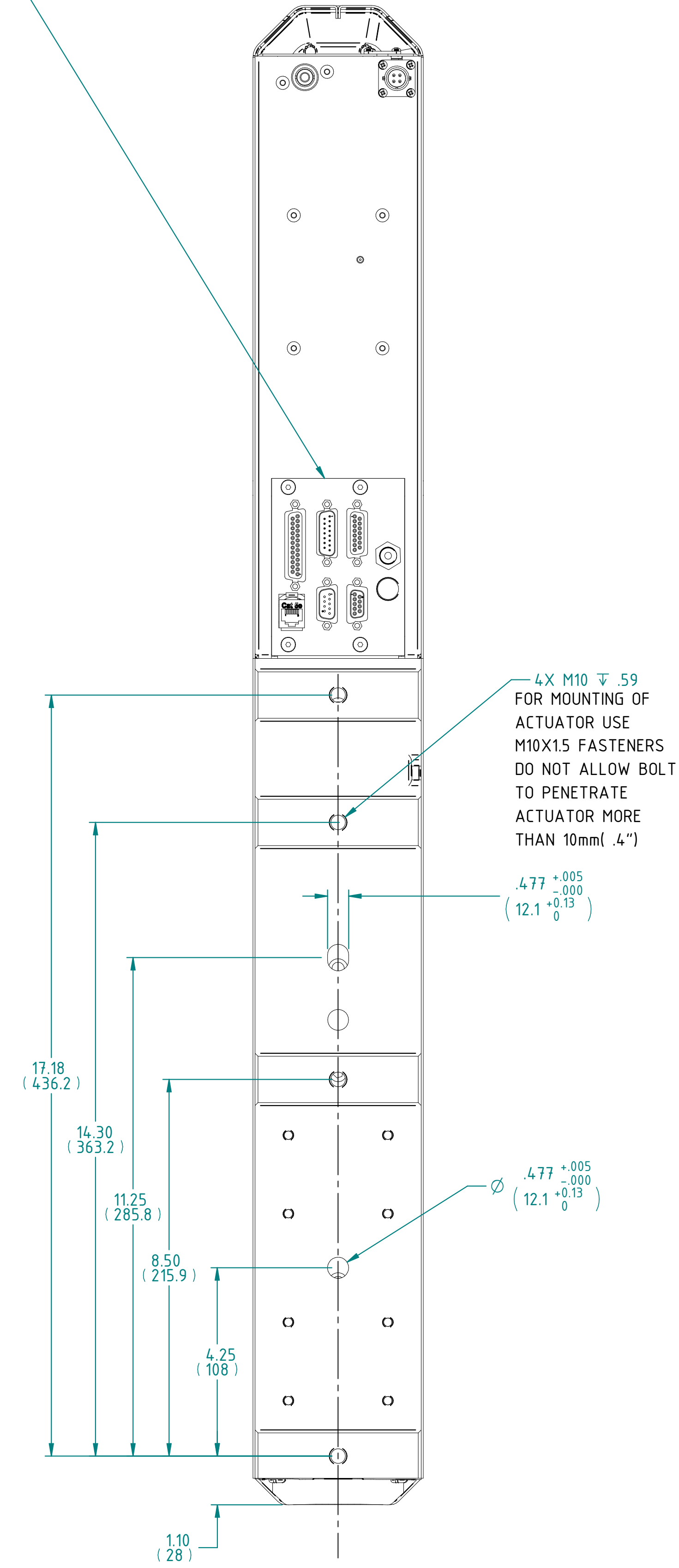
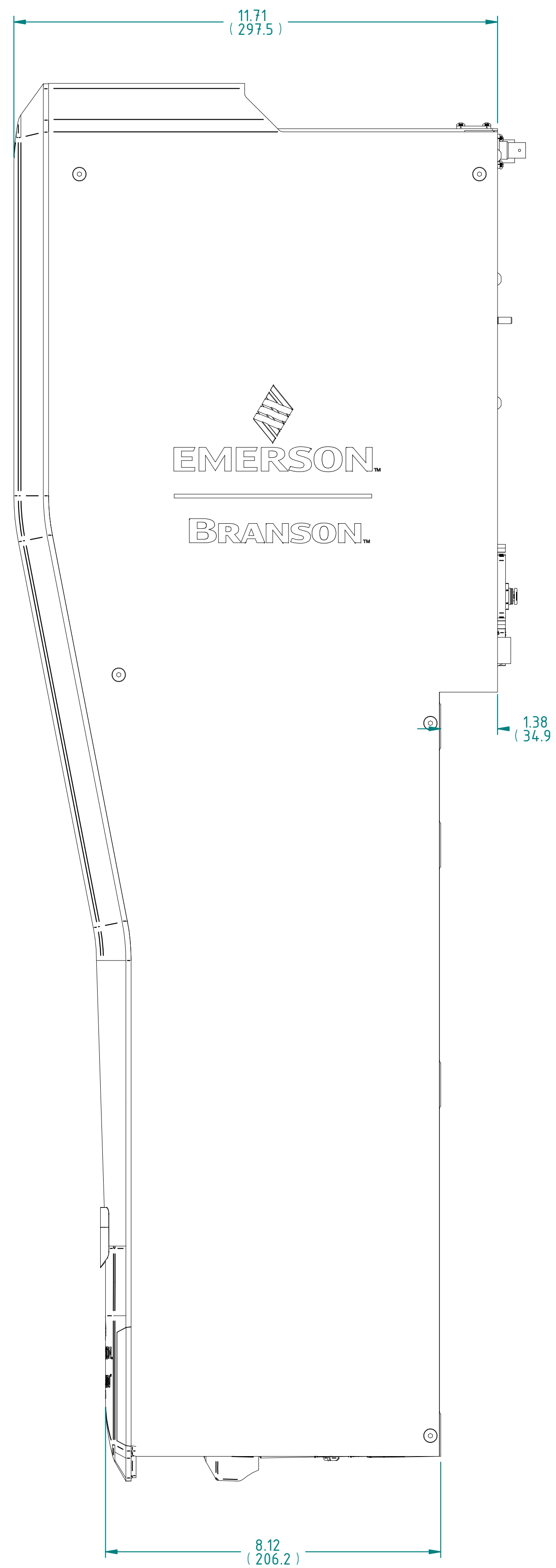
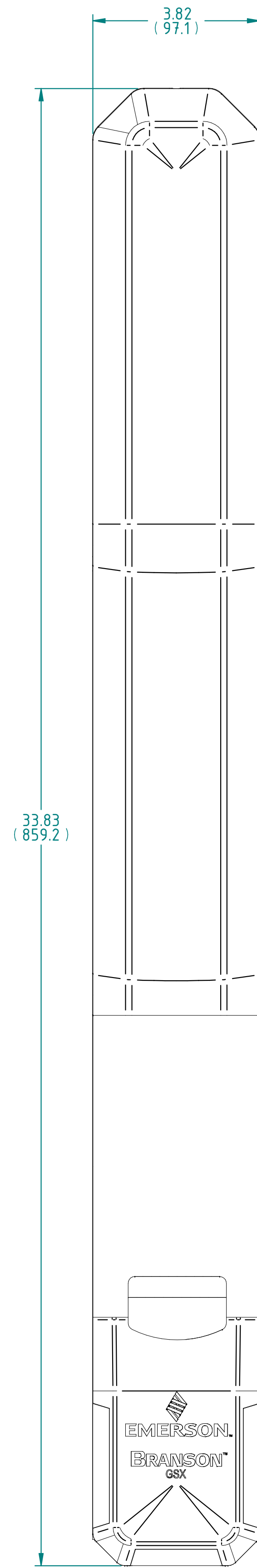
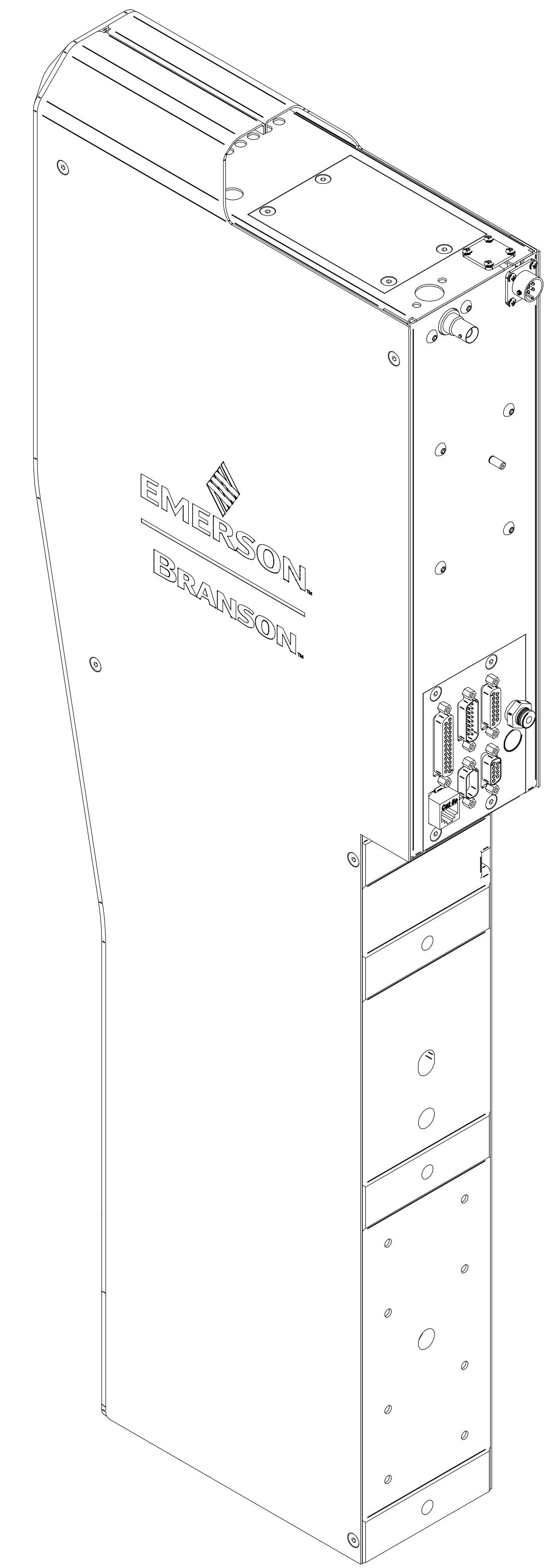
EMERSON		BRANSON	
TITLE			
OUTLINE GSX E1 SYSTEM		AGENCY PART NO	
		DUC CLASSIFICATION	
		IP CLASSIFICATION	
		WEIGHT	
		0.000 lbm	
		SIZE DWG NO	
		E 1019184	
		REV	
		02	

SOLID EDGE

SHOWN WITH
OPTIONAL TOP
CONNECTIONS



ALTERNATE
CONNECTION
LOCATIONS

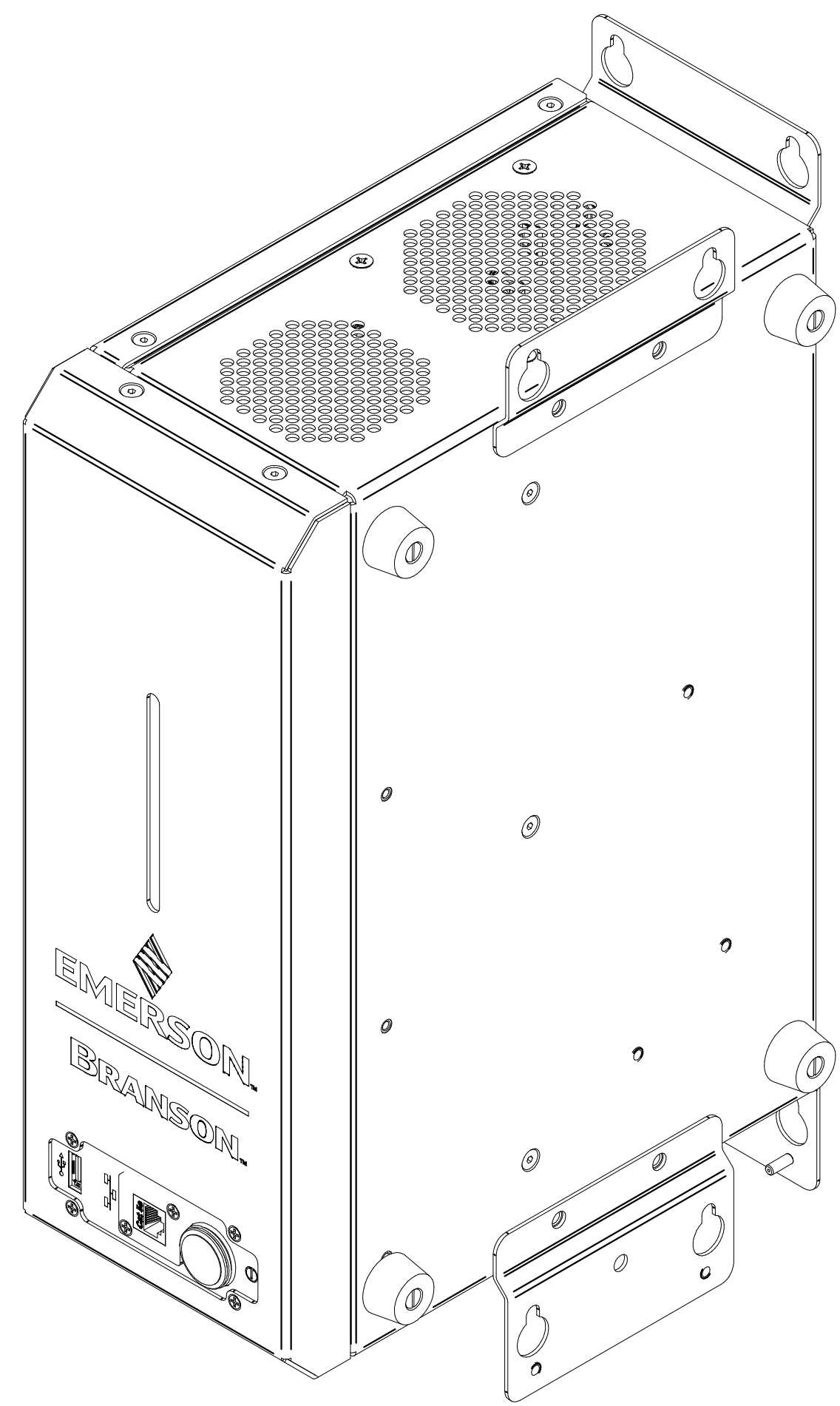


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 2 PLACE DECIMALS \pm .015 3 PLACE DECIMALS \pm .005 4 PLACE DECIMALS \pm .0005 ANGLES \pm FRACTIONS \pm 1/32 SURFACES UNLESS NOTED OTHERWISE	THIS PROPRIETARY DOCUMENT IS PROPERTY OF BRANSON ULTRASONICS CORP., DANBURY, CT. IT IS CONFIDENTIAL IN NATURE, NON-TRANSFERABLE, AND ISSUED WITH THE CLEAR UNDERSTANDING THAT IT IS NOT TRADED OR COPIED WITHOUT PERMISSION AND IS RETURNABLE UPON DEMAND.
GD & T Standard ANSIS Y14.5	Article or material must comply with requirements stipulated by RoHS in its current version.
SECONDARY DIMENSIONS ARE PROVIDED FOR REFERENCE ONLY	
INCHES (MM)	
3RD ANGLE PROJECTION	

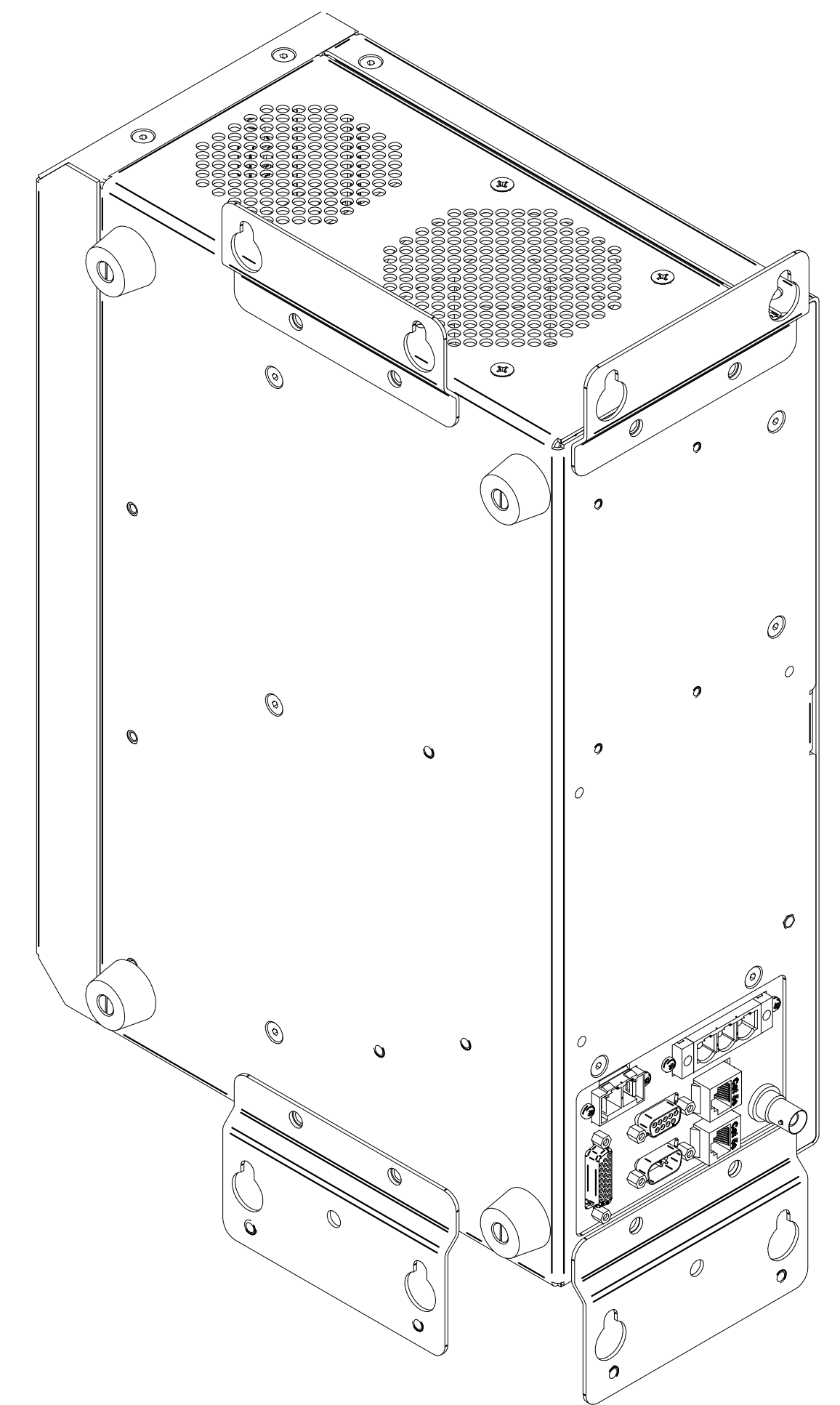
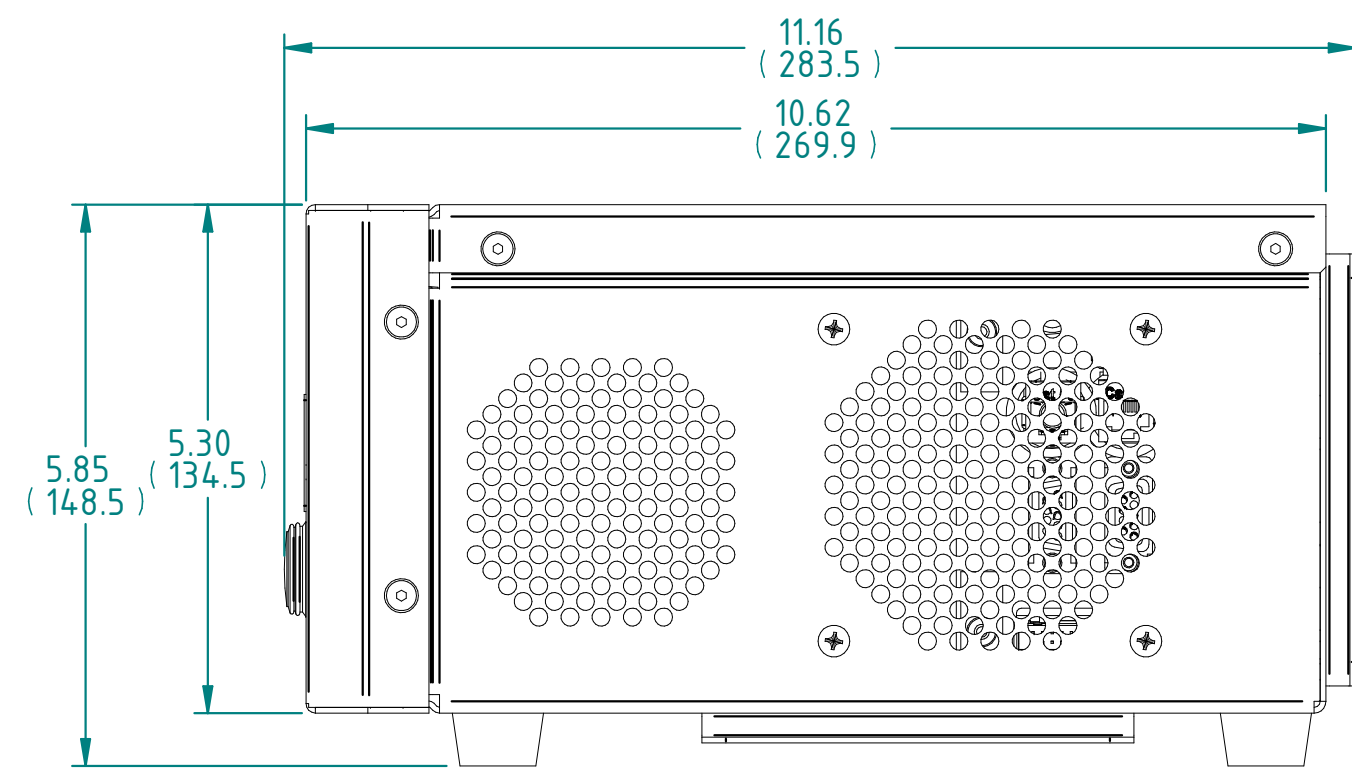
MATERIAL:	-
FINISH:	-
Material Spec.:	-
Finish Spec.:	-

EMERSON		BRANSON	
TITLE		OUTLINE GSX E1 SYSTEM	
DRAWN	-	8/03/10	NO
CHECKED	-	8/03/10	3 Important
APPROVED	-	8/03/10	
SCALE: 12	SHEET 4 OF 9	SIZE DWG NO	REV
		E	02
		1019184	

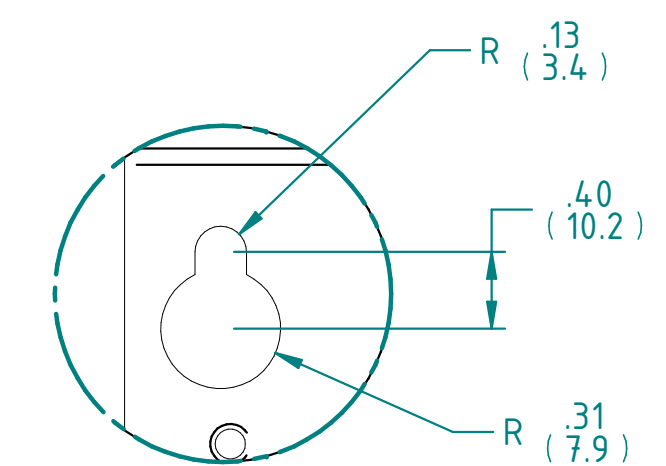
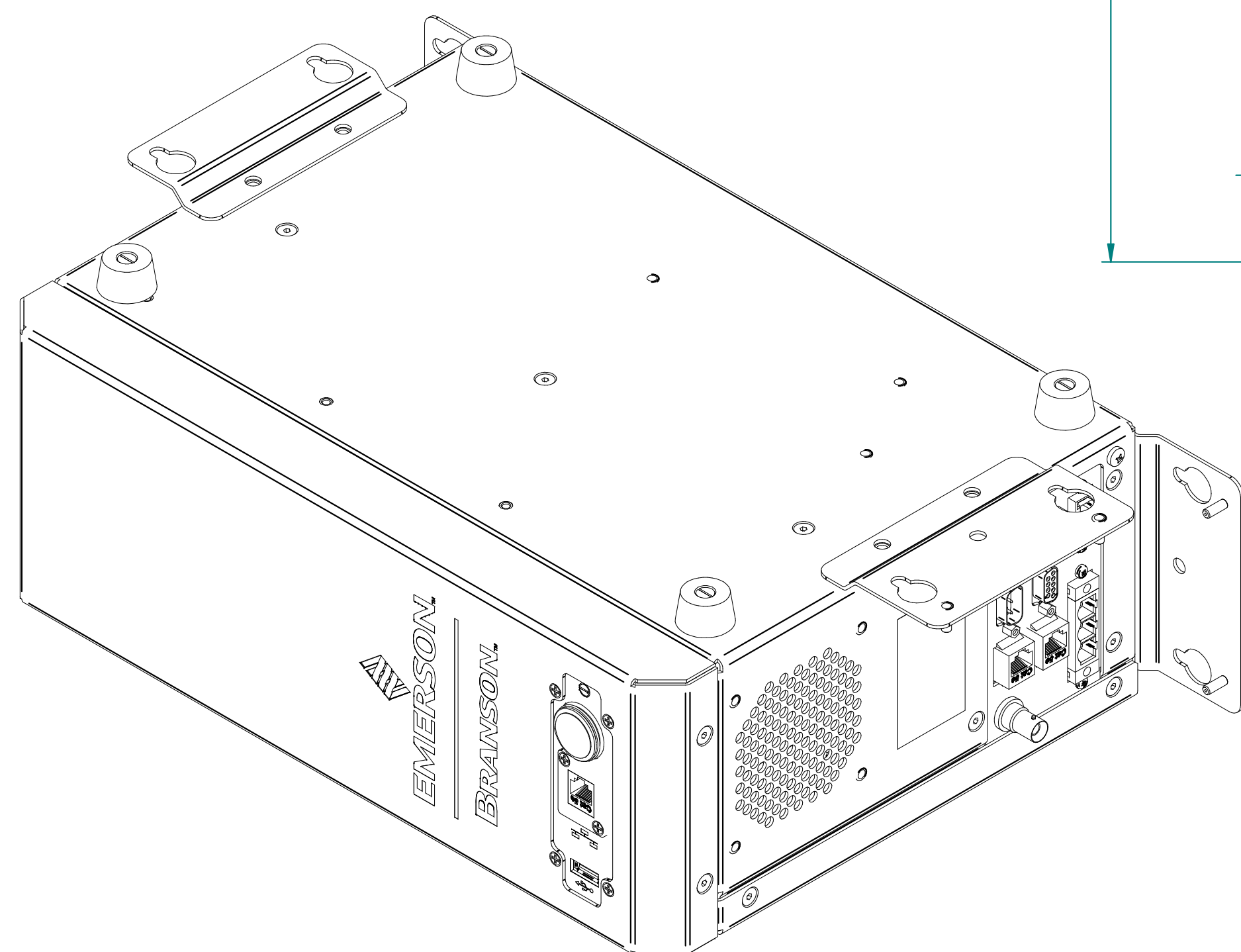
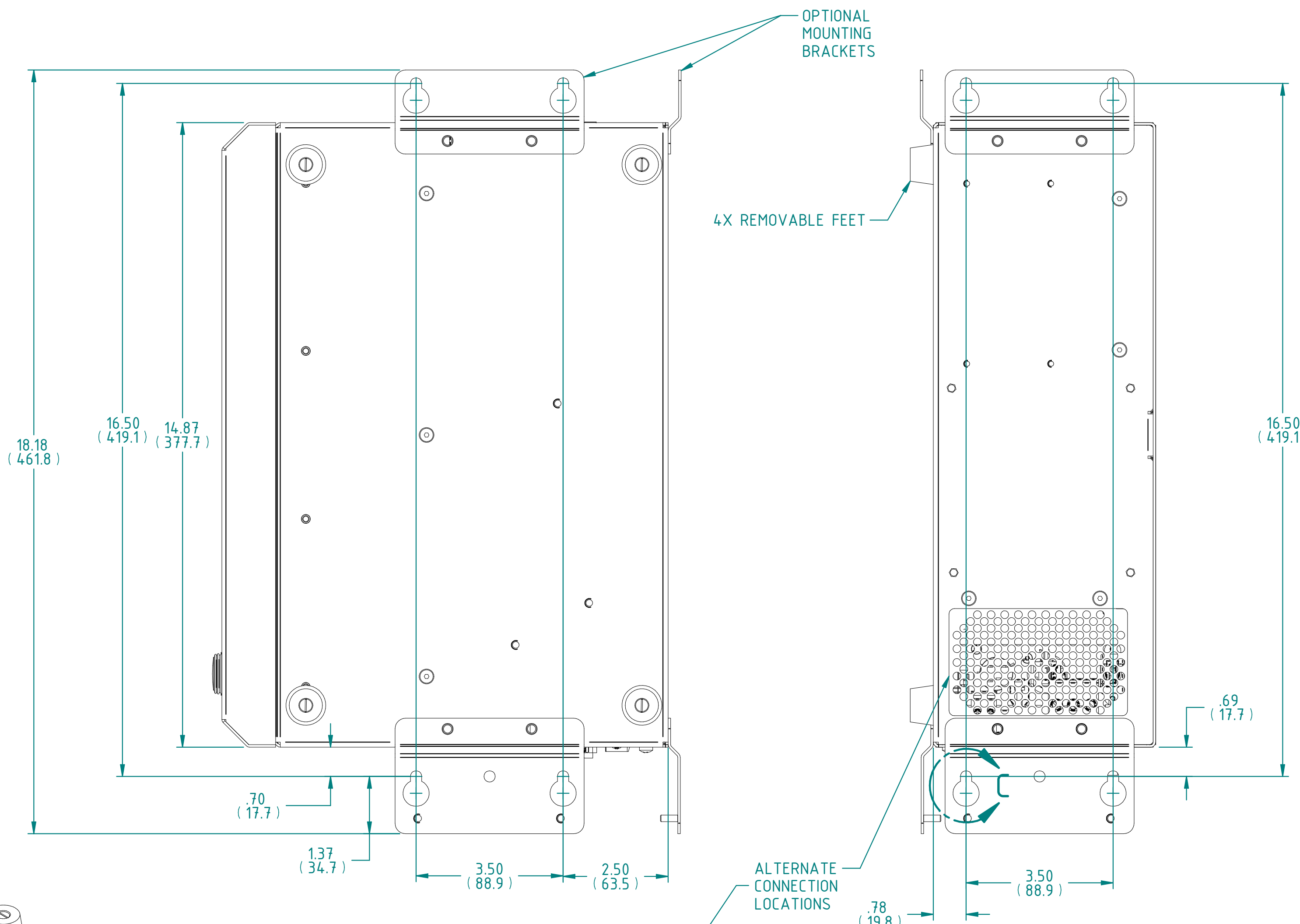
SOLID EDGE



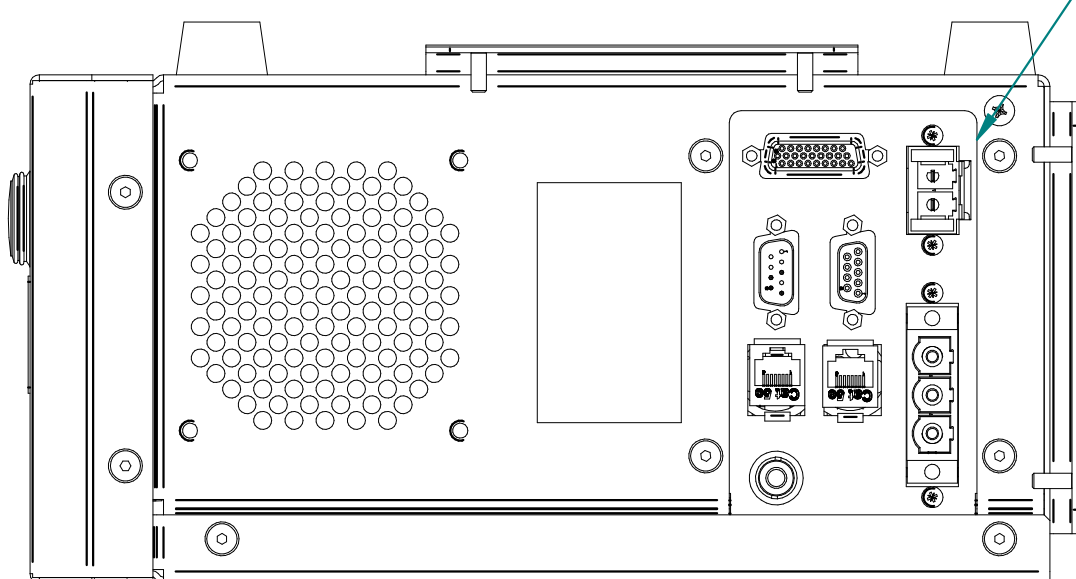
POWER SUPPLY



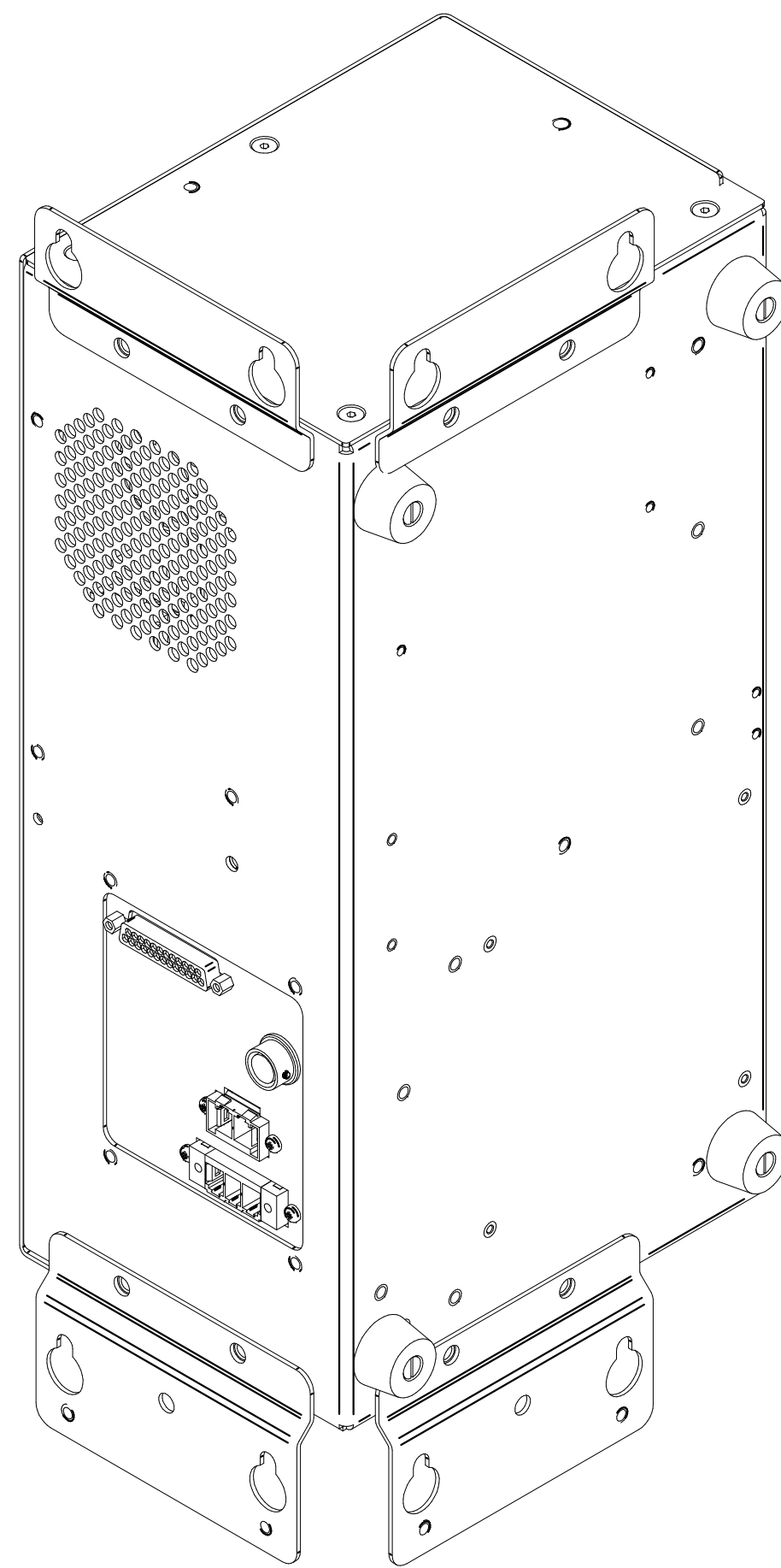
SHOWN WITH
OPTIONAL REAR
CONNECTIONS



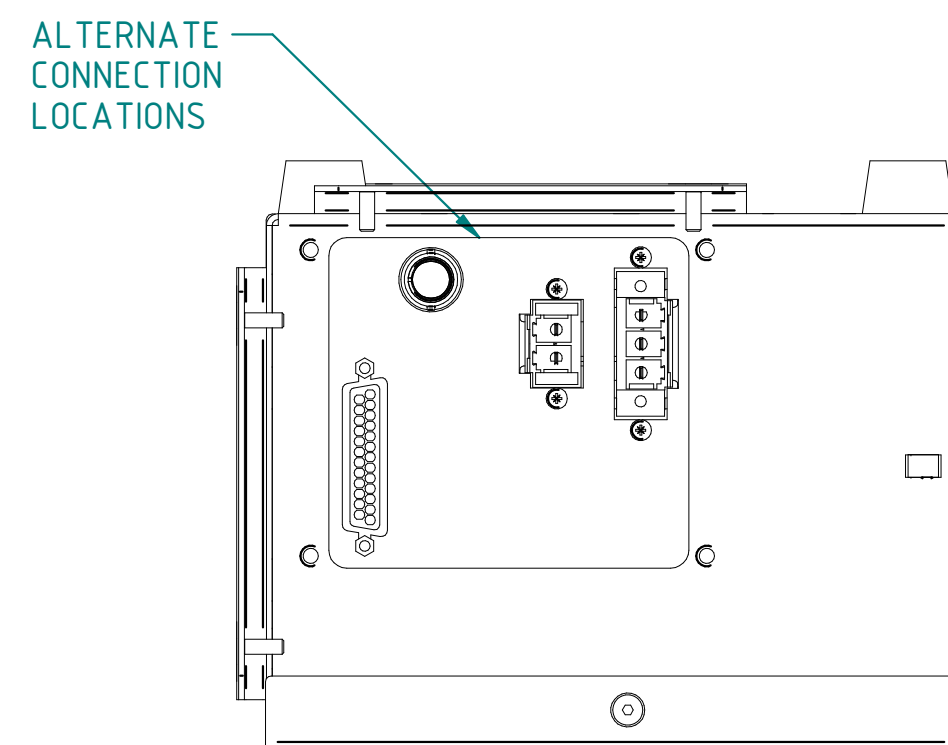
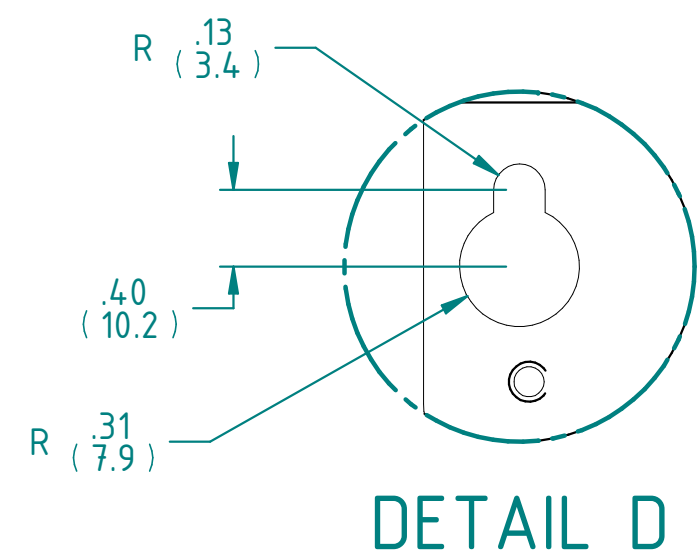
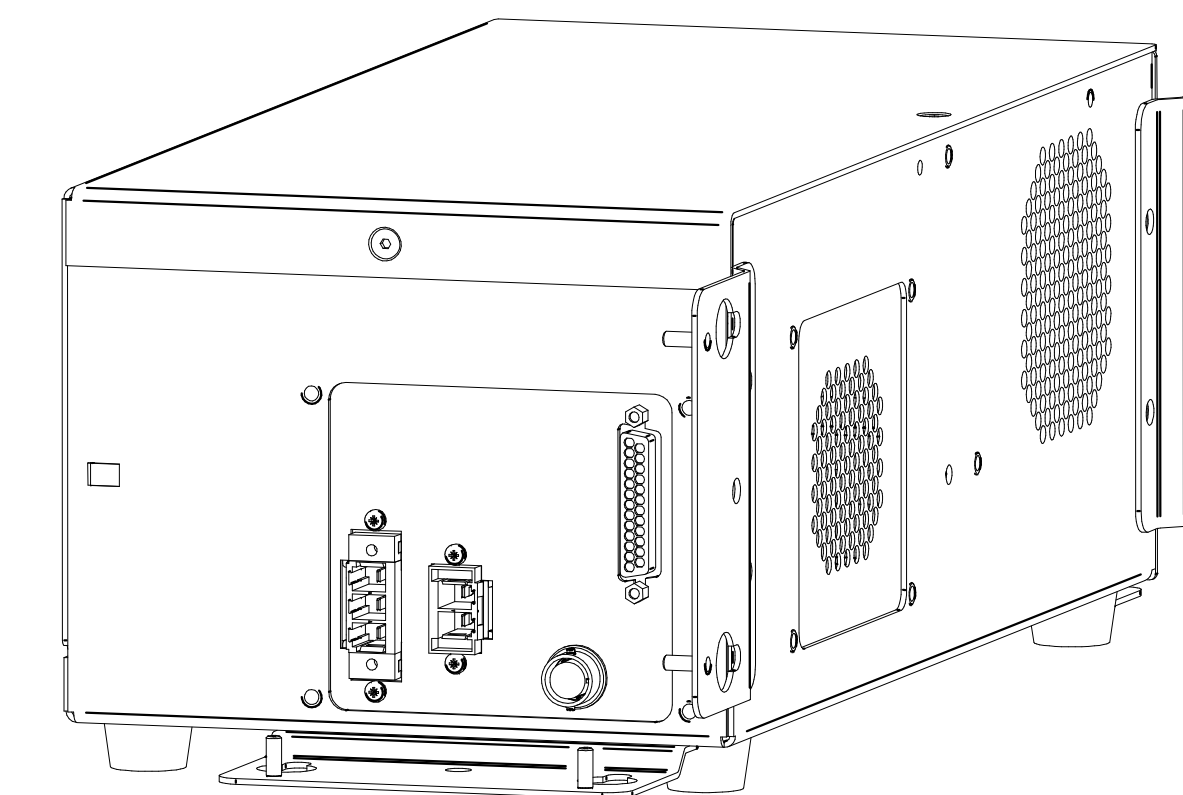
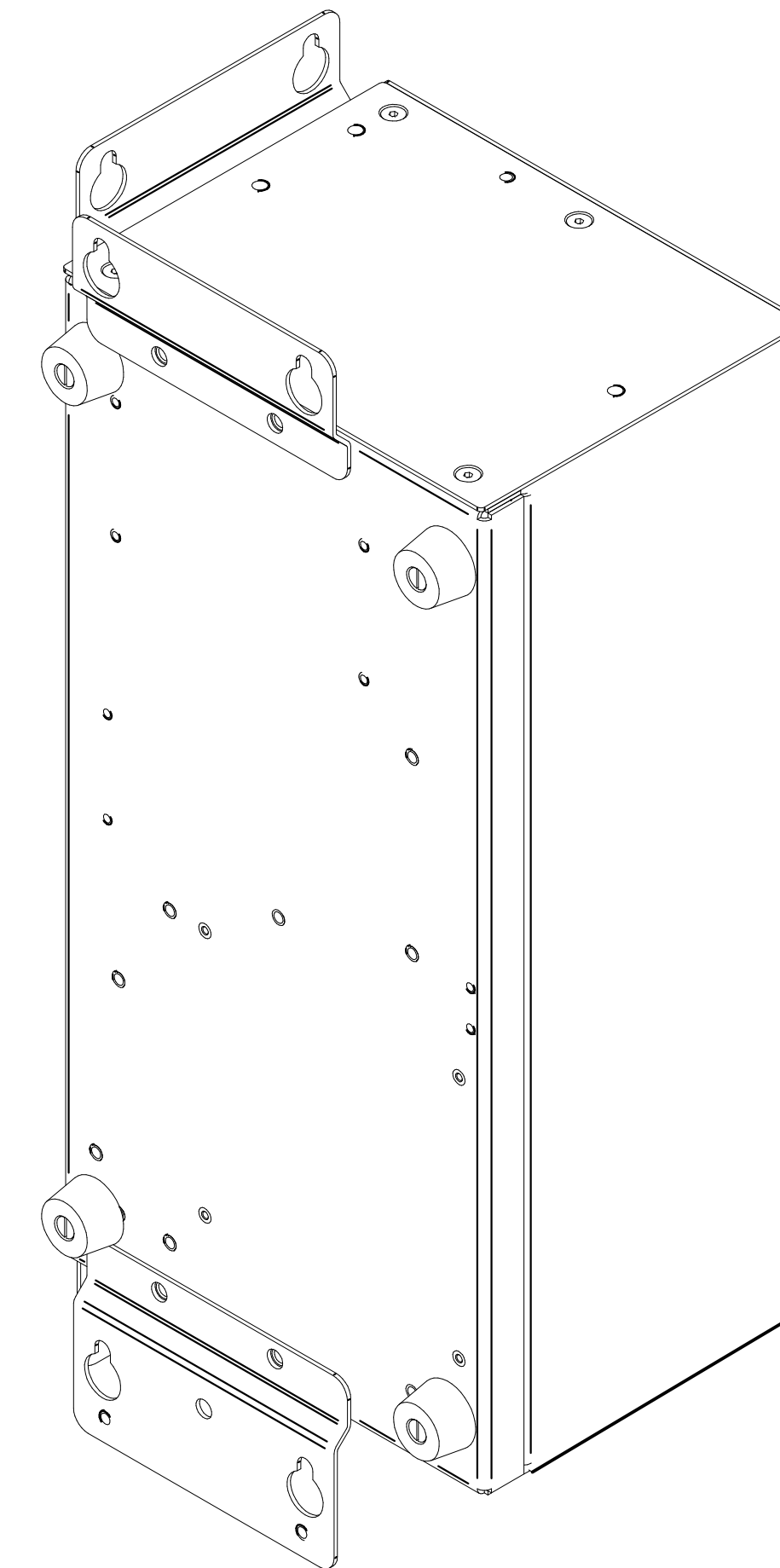
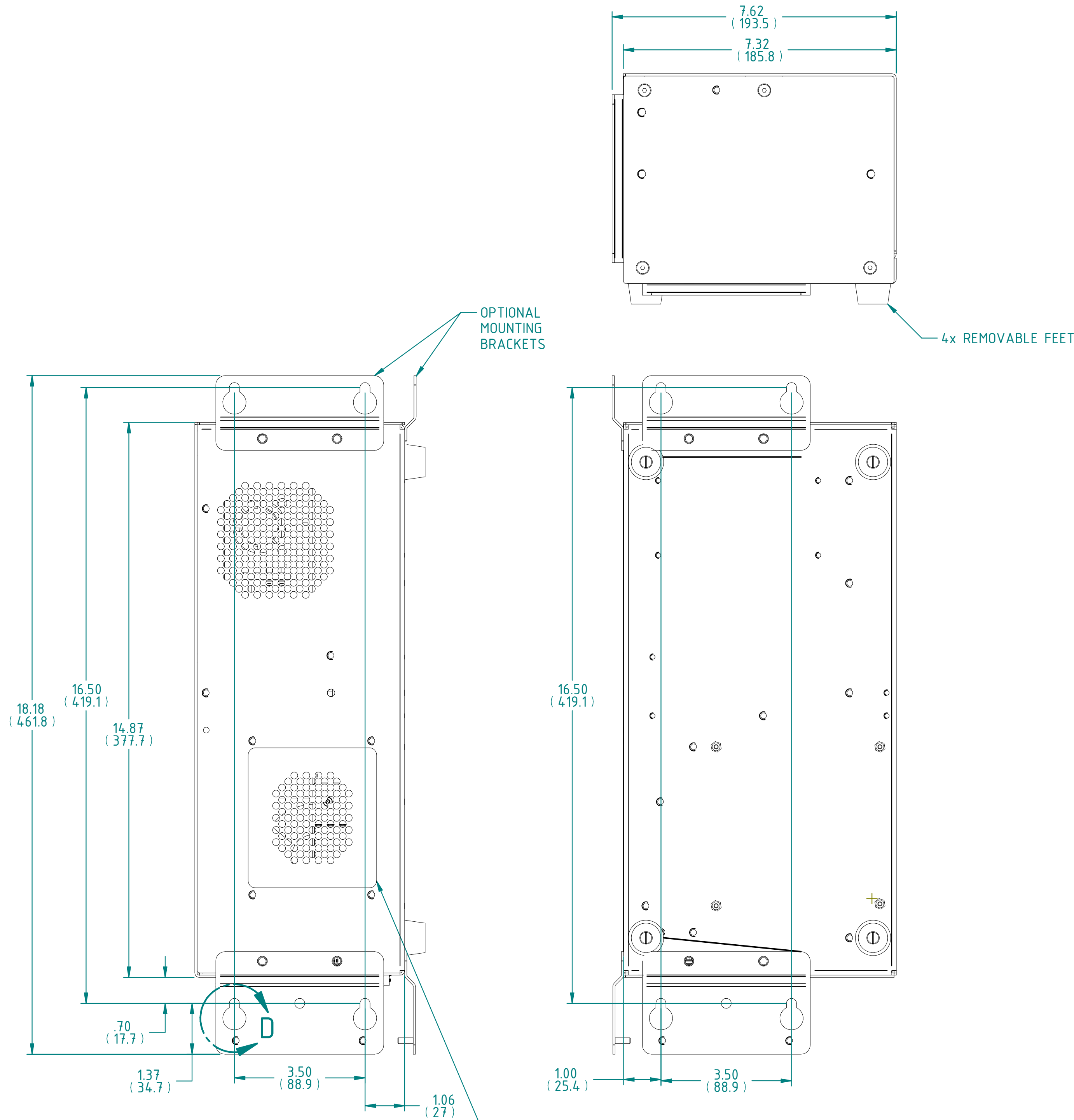
DETAIL C (TYP)



<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 2 PLACE DECIMALS ±.015 3 PLACE DECIMALS ±.005 4 PLACE DECIMALS ±.0005 ANGLES ±1° FRACTIONS ±1/32 SURFACE FINISH: ▽</small> GD & T Standard ANSI 14.Y.5 <small>SECONDARY DIMENSIONS ARE PROVIDED FOR REFERENCE ONLY</small>		<small>This PROPRIETARY Document is property of Branson Ultrasonics Corp., Danbury, CT. It is confidential in nature, non-transferable, and issued with the clear understanding that it is not traced or copied without permission and is returnable upon demand.</small> <small>Article or material must comply with requirements stipulated by RoHS in its current version.</small>		MATERIAL: - Material Spec. - FINISH: - Finish Spec. -					
<small>3RD ANGLE PROJECTION</small> 		DRAWN - 8/03/10 CHECKED - 8/03/10 APPROVED - 8/03/10 SCALE: 1:1 SHEET 5 OF 9		TITLE OUTLINE GSX E1 SYSTEM AGENCY PART NO BUC CLASSIFICATION 3 Important IP CLASSIFICATION - WEIGHT 0.000 lbm SIZE DWG NO 1019184		REV 02			



SHOWN WITH
OPTIONAL REAR
CONNECTIONS



AUXILIARY BOX

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
AND TOLERANCES ARE:
2 PLACE DECIMALS ±.015
3 PLACE DECIMALS ±.005
4 PLACE DECIMALS ±.0005
ANGLES ±1° FRACTIONS ±1/32 SURFACE FINISH: ✓
GD & T Standard ANSI 14.Y.5
SECONDARY DIMENSIONS
ARE PROVIDED FOR
REFERENCE ONLY INCHES
(MM)

3RD ANGLE PROJECTION

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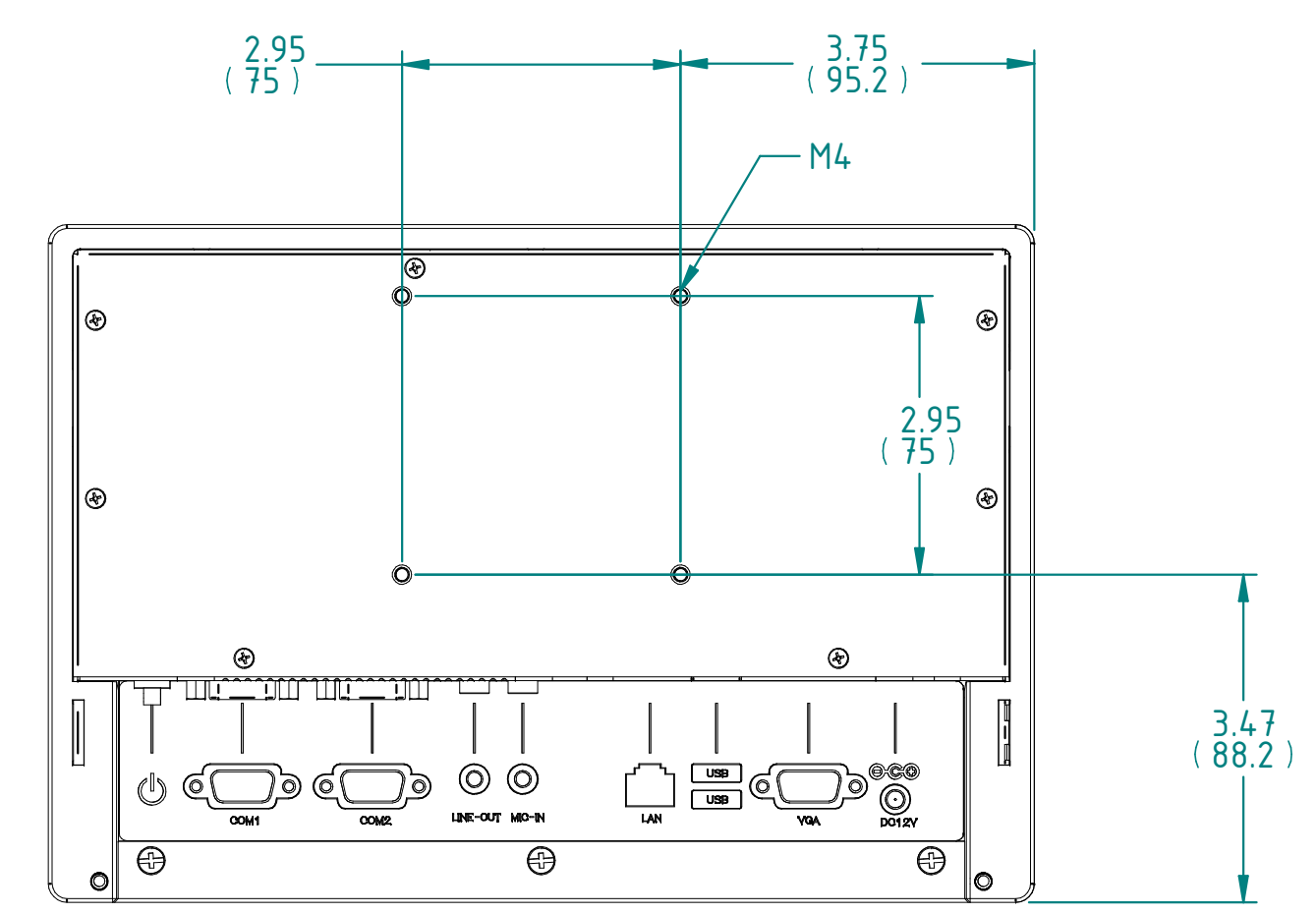
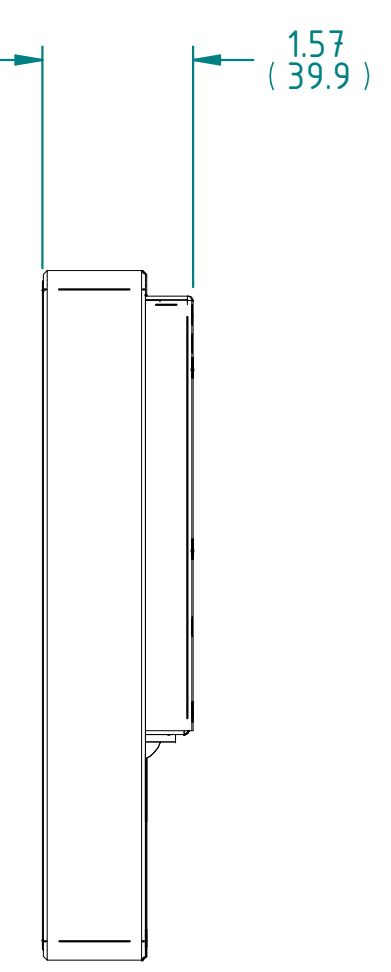
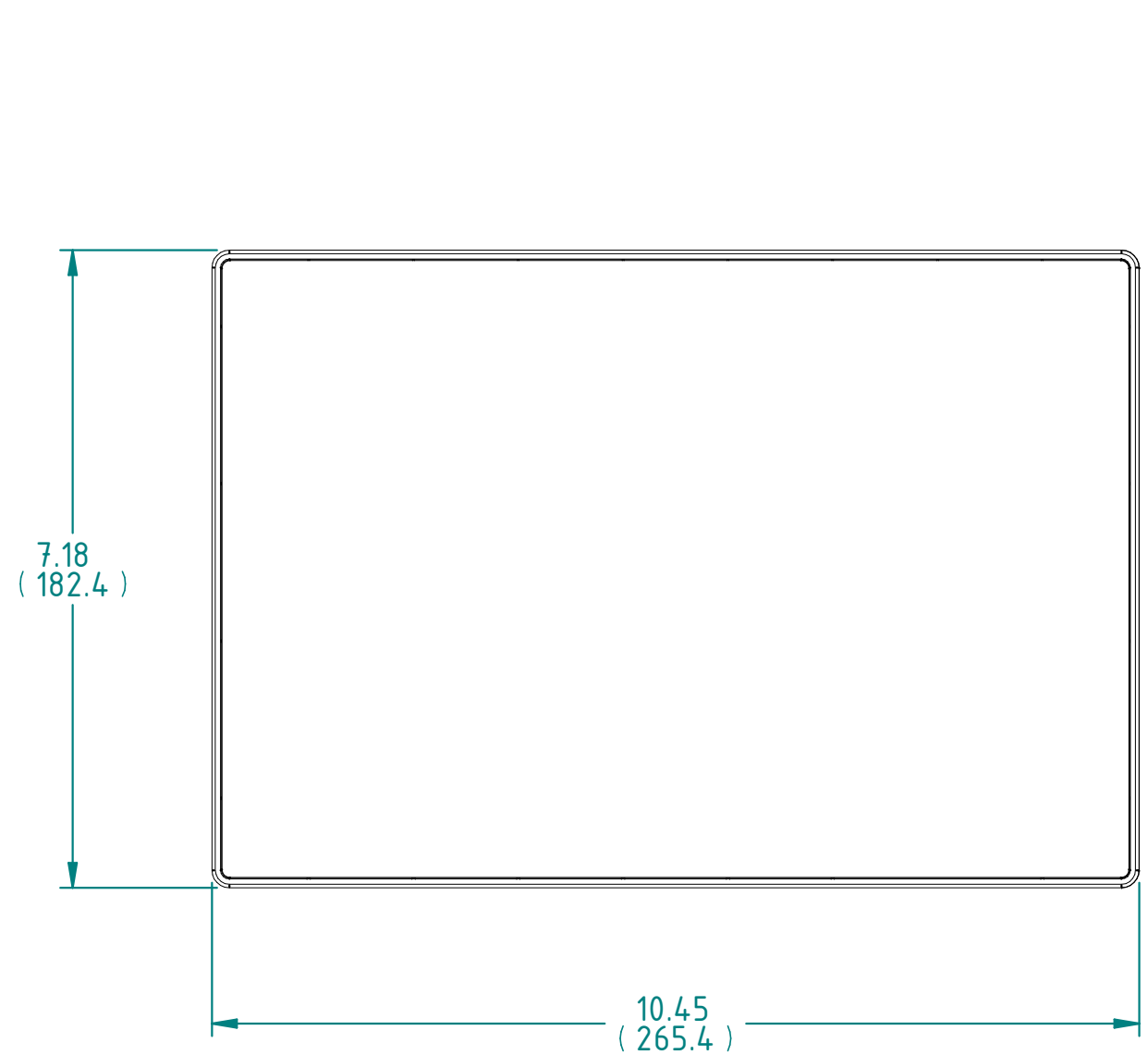
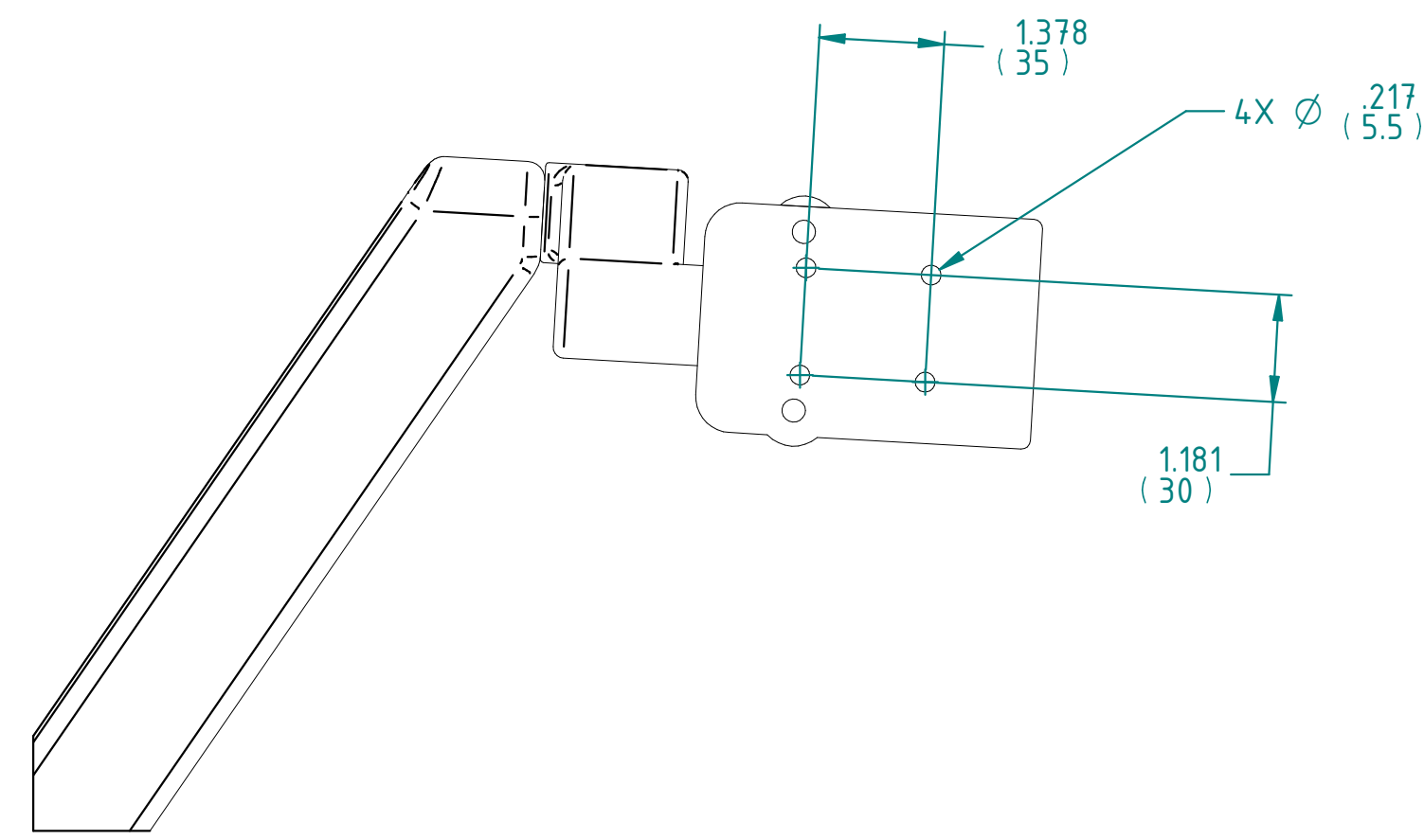
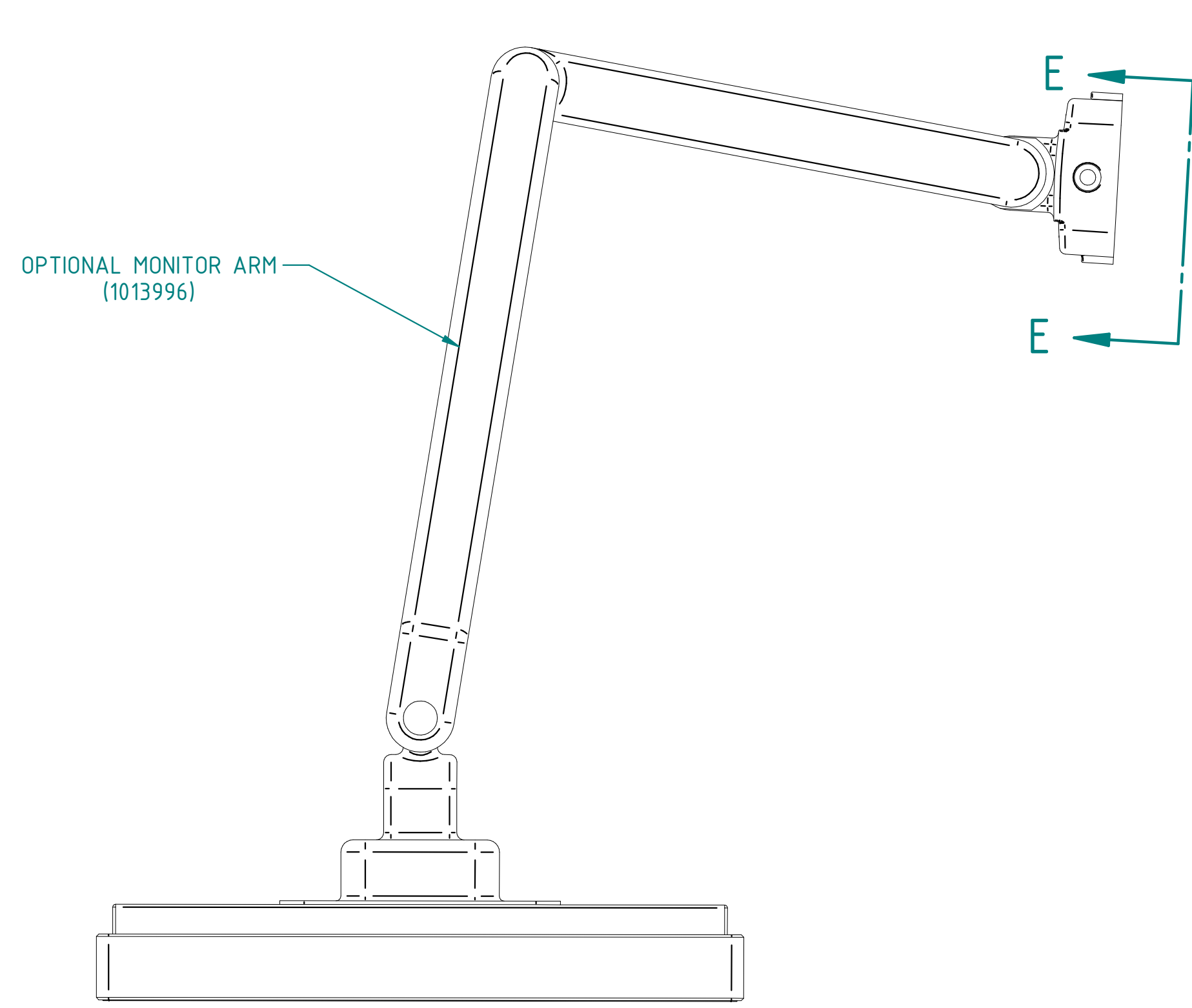
Article or material must comply with requirements stipulated by RoHS in its current version.

MATERIAL: -
Material Spec. -
FINISH: -
Finish Spec. -

EMERSON		NAME	DATE
DRAWN	-		8/03/10
CHECKED	-		8/03/10
APPROVED	-		8/03/10
SCALE: 1:2		SHEET 6 OF 9	

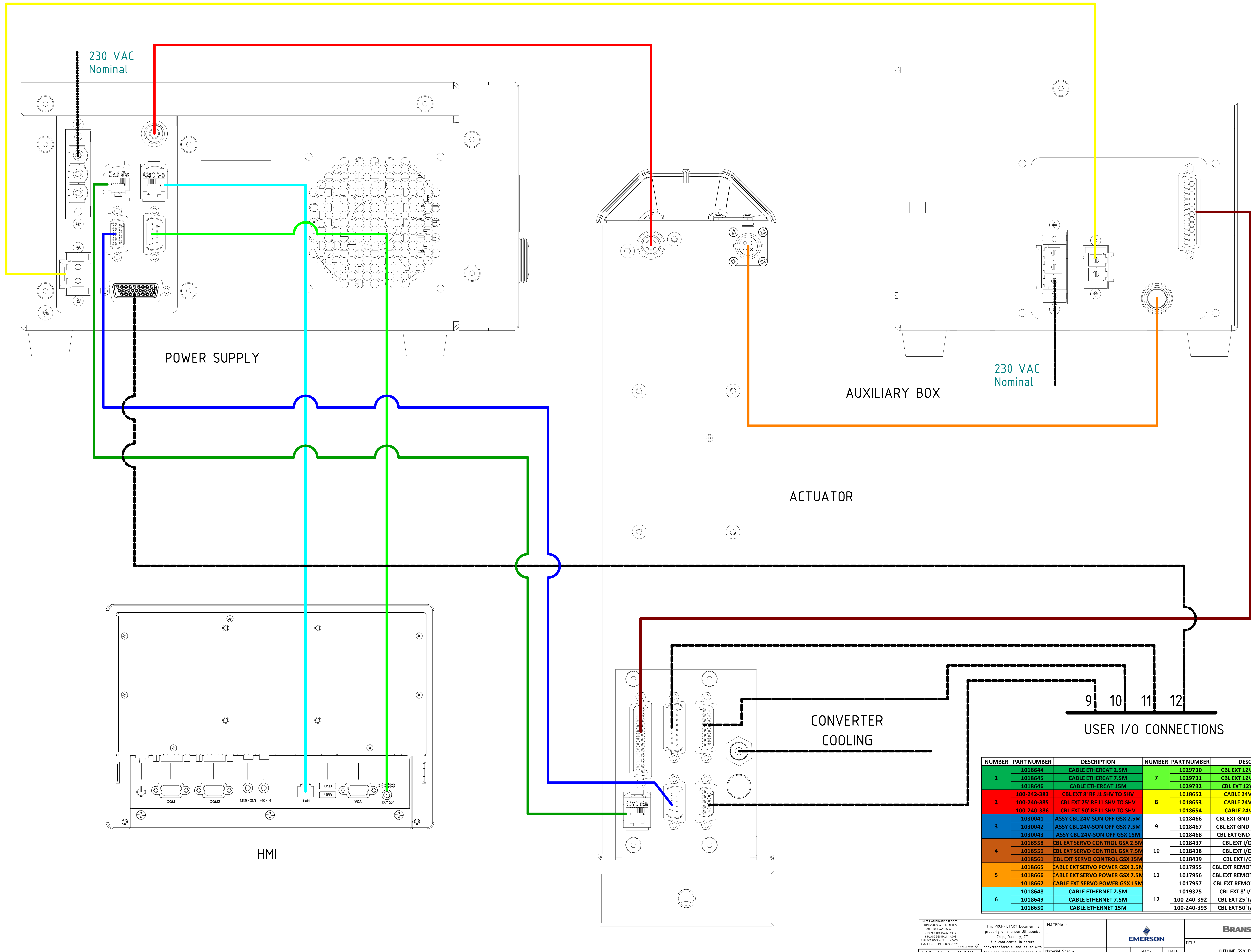
BRANSON		TITLE	
		OUTLINE GSX E1 SYSTEM	
AGENCY PART	NO	WEIGHT	0.000 lbm
BUC CLASSIFICATION	3 Important	SIZE DWG NO	1019184
IP CLASSIFICATION	-	REV	02

SOLID EDGE



HMI

<small>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 2 PLACE DECIMALS ±.015 3 PLACE DECIMALS ±.005 4 PLACE DECIMALS ±.0005 ANGLES ±1° FRACTIONS ±1/32 SURFACE FINISH</small> GD & T Standard ANSI Y14.5 <small>SECONDARY DIMENSIONS ARE PROVIDED FOR REFERENCE ONLY</small>	<small>INCHES (MM)</small>	<small>3RD ANGLE PROJECTION</small>	<small>This PROPRIETARY Document is property of Branson Ultrasonics Corp., Danbury, CT. It is confidential in nature, non-transferable, and issued with the clear understanding that it is not traced or copied without permission and is returnable upon demand.</small>		<small>Article or material must comply with requirements stipulated by RoHS in its current version.</small>	MATERIAL: - Material Spec. - FINISH: - Finish Spec. -		BRANSON	
			TITLE OUTLINE GSX E1 SYSTEM					<small>AGENCY PART</small> NO	<small>NO</small>
			<small>CHECKED</small> -	<small>DATE</small> 8/03/10				<small>BUC CLASSIFICATION</small>	<small>3 Important</small>
			<small>APPROVED</small> -	<small>DATE</small> 8/03/10				<small>IP CLASSIFICATION</small>	<small>0.000 1bm</small>
<small>SCALE:</small> 1:1	<small>SHEET</small> 7 OF 9	<small>WEIGHT</small>	<small>SIZE DWG NO</small>	1019184	<small>REV</small>	02	<small>SOLID EDGE</small>		



NUMBER	PART NUMBER	DESCRIPTION	NUMBER	PART NUMBER	DESCRIPTION
1	1018644	CABLE ETHERCAT 2.5M	7	1029730	CBL EXT 12V HMI GSX 2.5M
	1018645	CABLE ETHERCAT 7.5M		1029731	CBL EXT 12V HMI GSX 7.5M
	1018646	CABLE ETHERCAT 15M		1029732	CBL EXT 12V HMI GSX 15M
2	100-242-383	CBL EXT 8' RF J1 SHV TO SHV	8	1018652	CABLE 24V P/S GSX 2.5M
	100-240-385	CBL EXT 25' RF J1 SHV TO SHV		1018653	CABLE 24V P/S GSX 7.5M
	100-240-386	CBL EXT 50' RF J1 SHV TO SHV		1018654	CABLE 24V P/S GSX 15M
3	1030041	ASSY CBL 24V-SON OFF GSX 2.5M	9	1018466	CBL EXT GND DETECT GSX 2.5M
	1030042	ASSY CBL 24V-SON OFF GSX 7.5M		1018467	CBL EXT GND DETECT GSX 7.5M
	1030043	ASSY CBL 24V-SON OFF GSX 15M		1018468	CBL EXT GND DETECT GSX 15M
4	1018558	CBL EXT SERVO CONTROL GSX 2.5M	10	1018437	CBL EXT I/O ACT GSX 2.5M
	1018559	CBL EXT SERVO CONTROL GSX 7.5M		1018438	CBL EXT I/O ACT GSX 7.5M
	1018561	CBL EXT SERVO CONTROL GSX 15M		1018439	CBL EXT I/O ACT GSX 15M
	1018665	CABLE EXT SERVO POWER GSX 2.5M	11	1017955	CBL EXT REMOTE START GSX 2.5M
5	1018666	CABLE EXT SERVO POWER GSX 7.5M		1017956	CBL EXT REMOTE START GSX 7.5M
	1018667	CABLE EXT SERVO POWER GSX 15M		1017957	CBL EXT REMOTE START GSX 15M
6	1018648	CABLE ETHERNET 2.5M	12	1019375	CBL EXT 8' I/O 26P HD/OPEN
	1018649	CABLE ETHERNET 7.5M		100-240-392	CBL EXT 25' I/O 26P HD/OPEN
	1018650	CABLE ETHERNET 15M		100-240-393	CBL EXT 50' I/O 26P HD/OPEN

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 AND TOLERANCES ARE:
 3 PLACE DECIMALS ± .005
 4 PLACE DECIMALS ± .0005
 ANGLES AT FRACTIONS ± .02

GD & T Standard ANSI Y14.5
 DIMENSIONS ARE PROVIDED FOR REFERENCE ONLY
 3RD ANGLE PROJECTION

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Article or material must comply with requirements stipulated by RoHS in its current version.

EMERSON

BRANSON

TITLE: OUTLINE GSX E1 SYSTEM

AGENCY PART NO: NO

DOC CLASSIFICATION: 3 Important

REV: 02

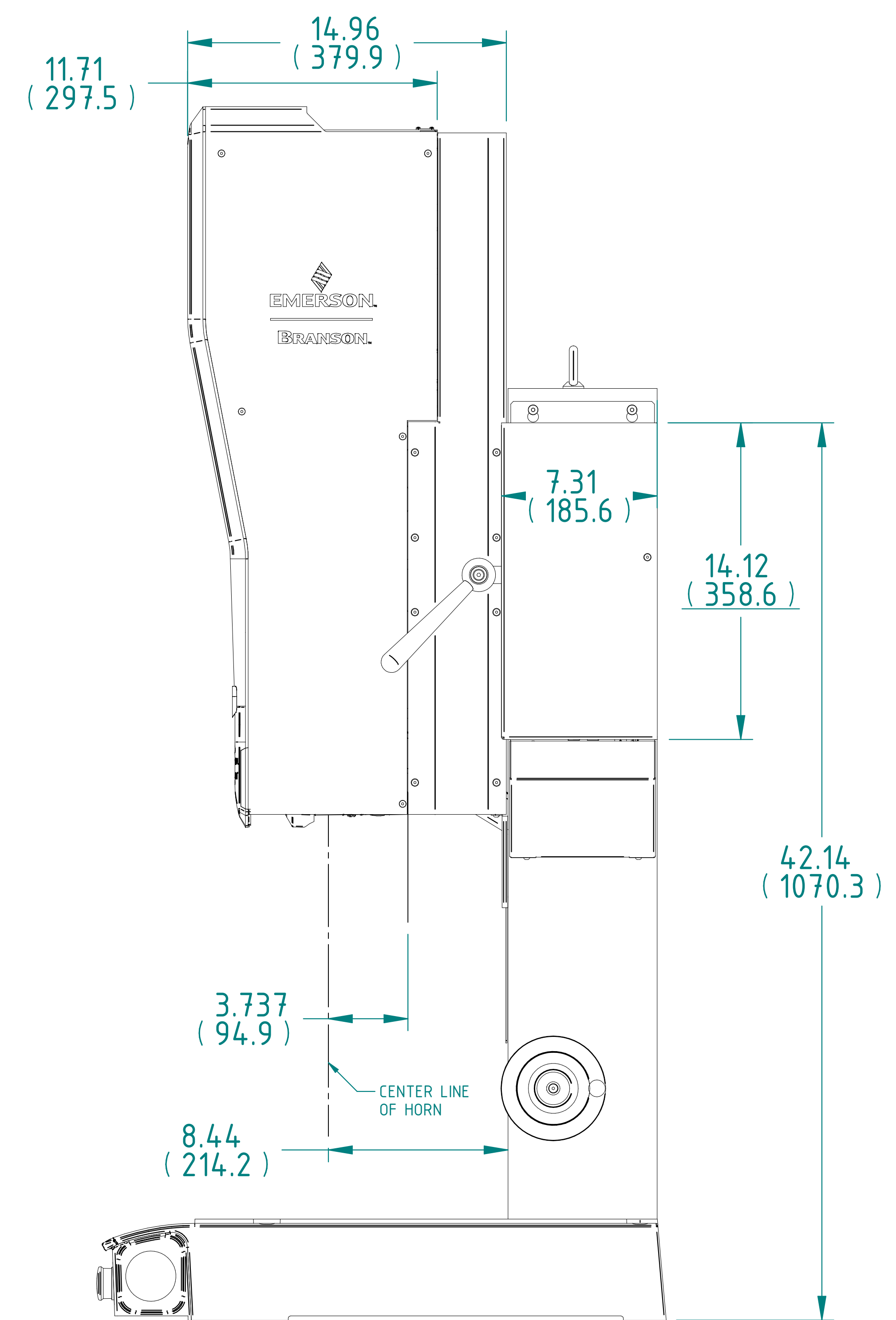
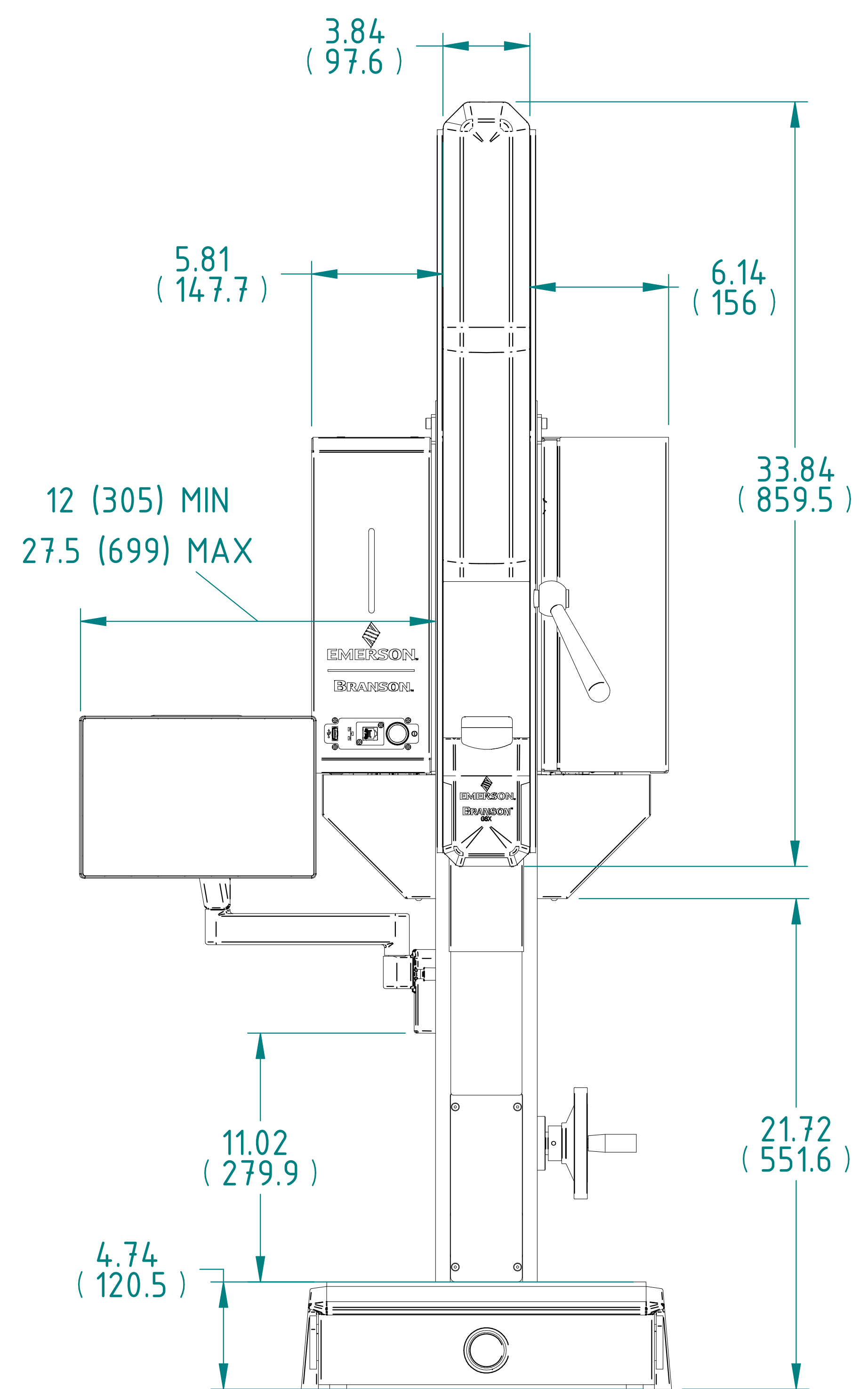
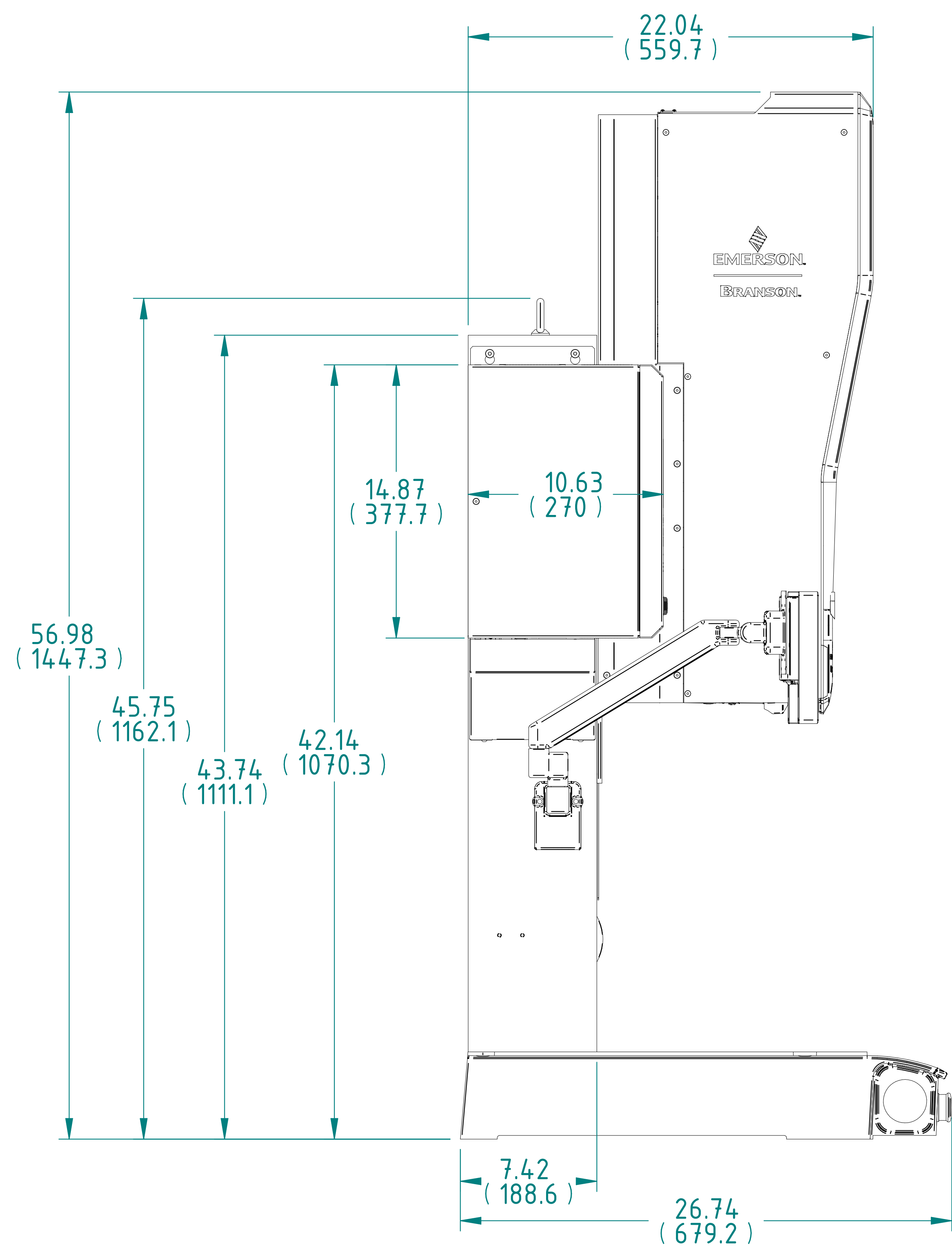
DATE: 8/03/10

SCALE: 15:1

SHEET 8 OF 9

SIZE: DWG NO: E

1019184



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
AND TOLERANCES ARE:
2 PLACE DECIMALS ± .015
3 PLACE DECIMALS ± .005
4 PLACE DECIMALS ± .0005
ANGLES AT FRACTIONS ± .02

GD & T Standard ANS I Y.13.1
SECONDARY DIMENSIONS ARE PROVIDED FOR REFERENCE ONLY
3RD ANGLE PROJECTION

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MATERIAL: -
FINISH: -
Material Spec. -
Finish Spec. -

NAME	DATE
DRAWN	8/03/10
CHECKED	8/03/10
APPROVED	8/03/10
SCALE: 1:1	SHEET 9 OF 9

BRANSON		TITLE	
OUTLINE GSX E1 SYSTEM		AGENCY PART	NO
		DOC CLASSIFICATION	3 Important
		IP CLASSIFICATION	
		WEIGHT	0.000 lbm
		SIZE DWG NO	E
		REV	02
		1019184	

SOLID EDGE