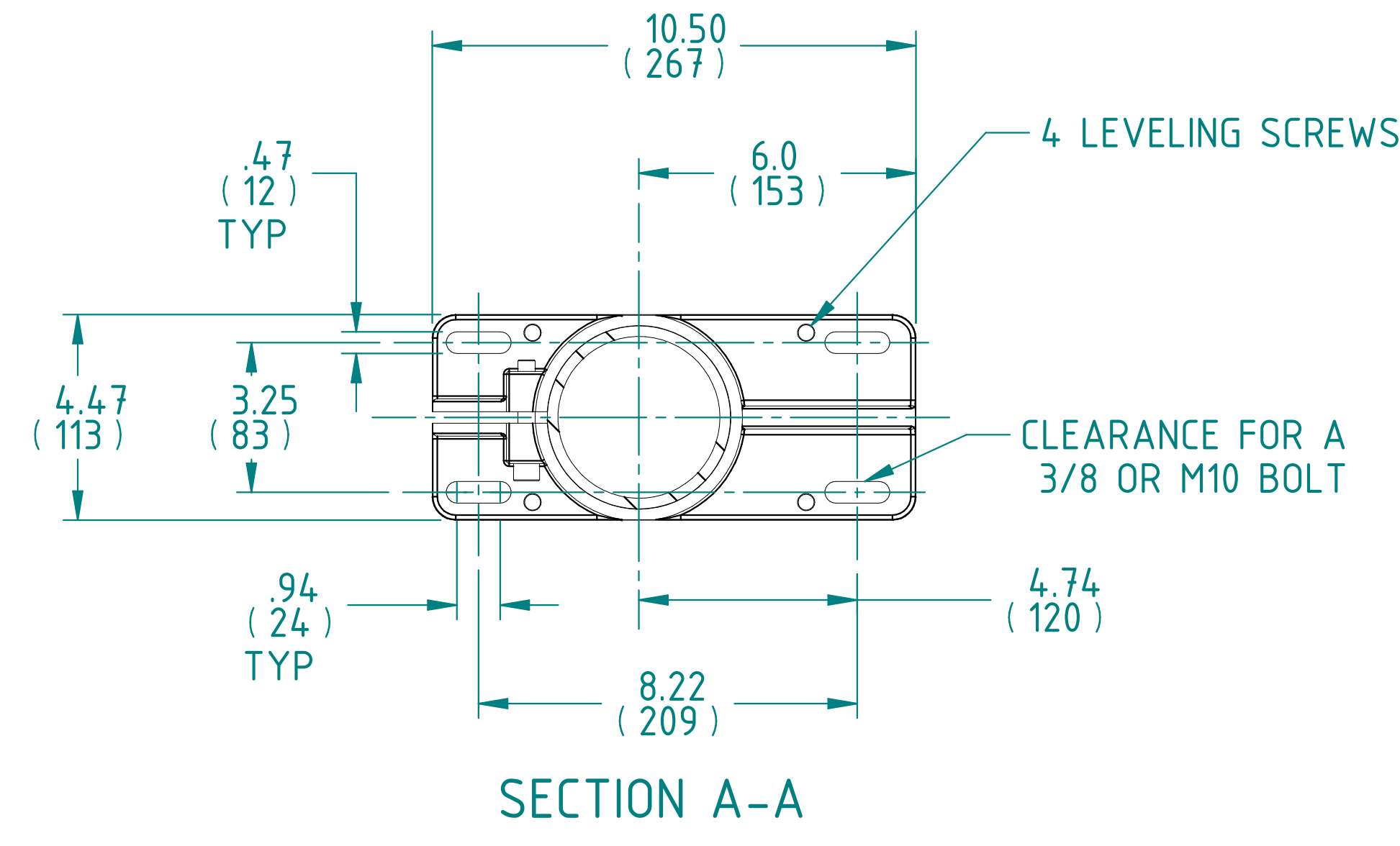
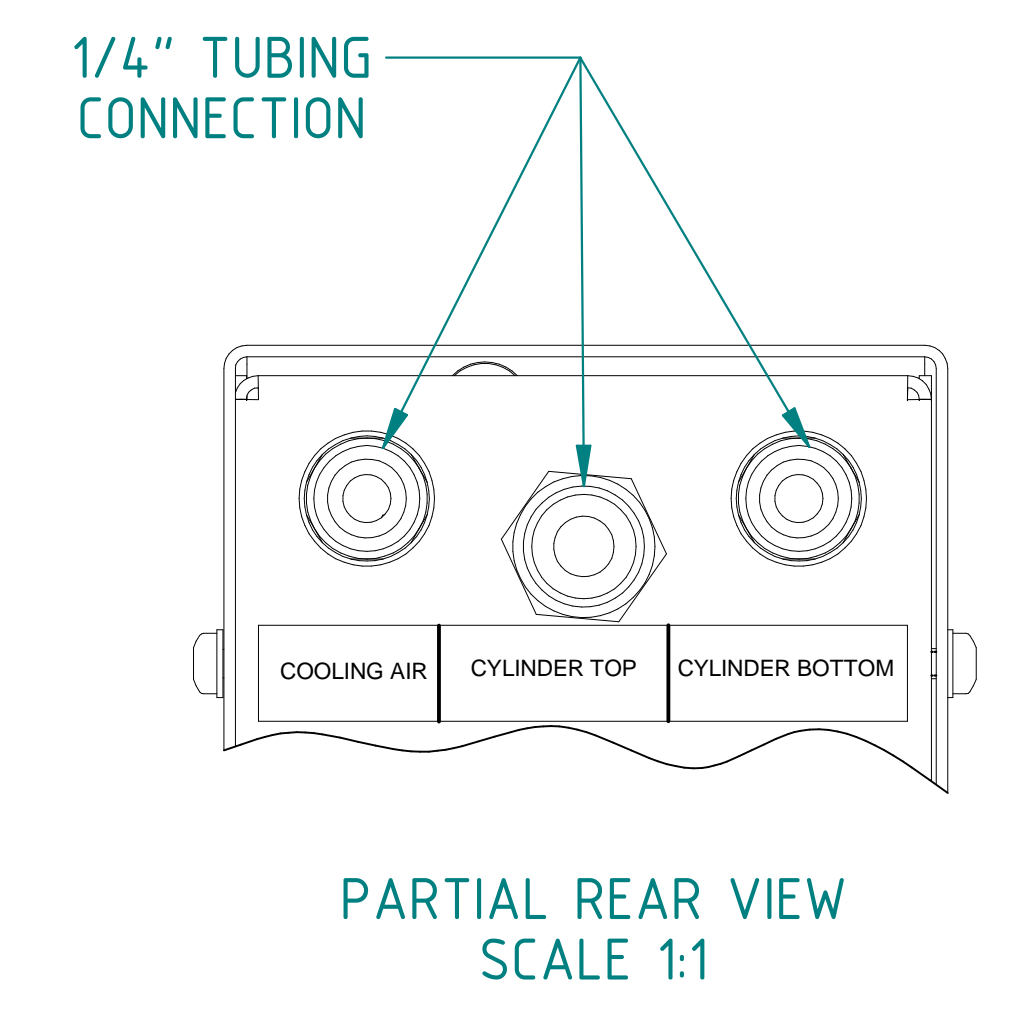
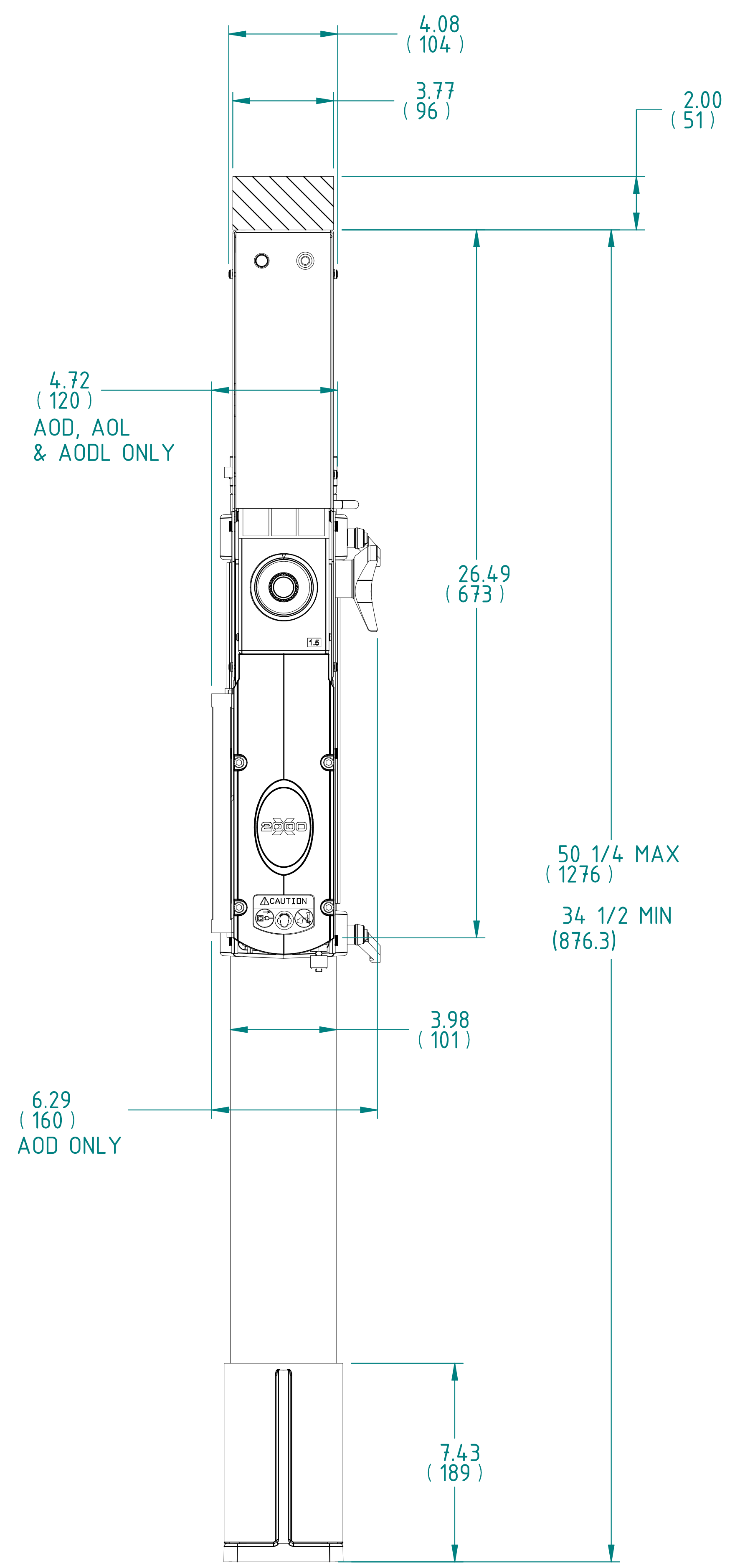
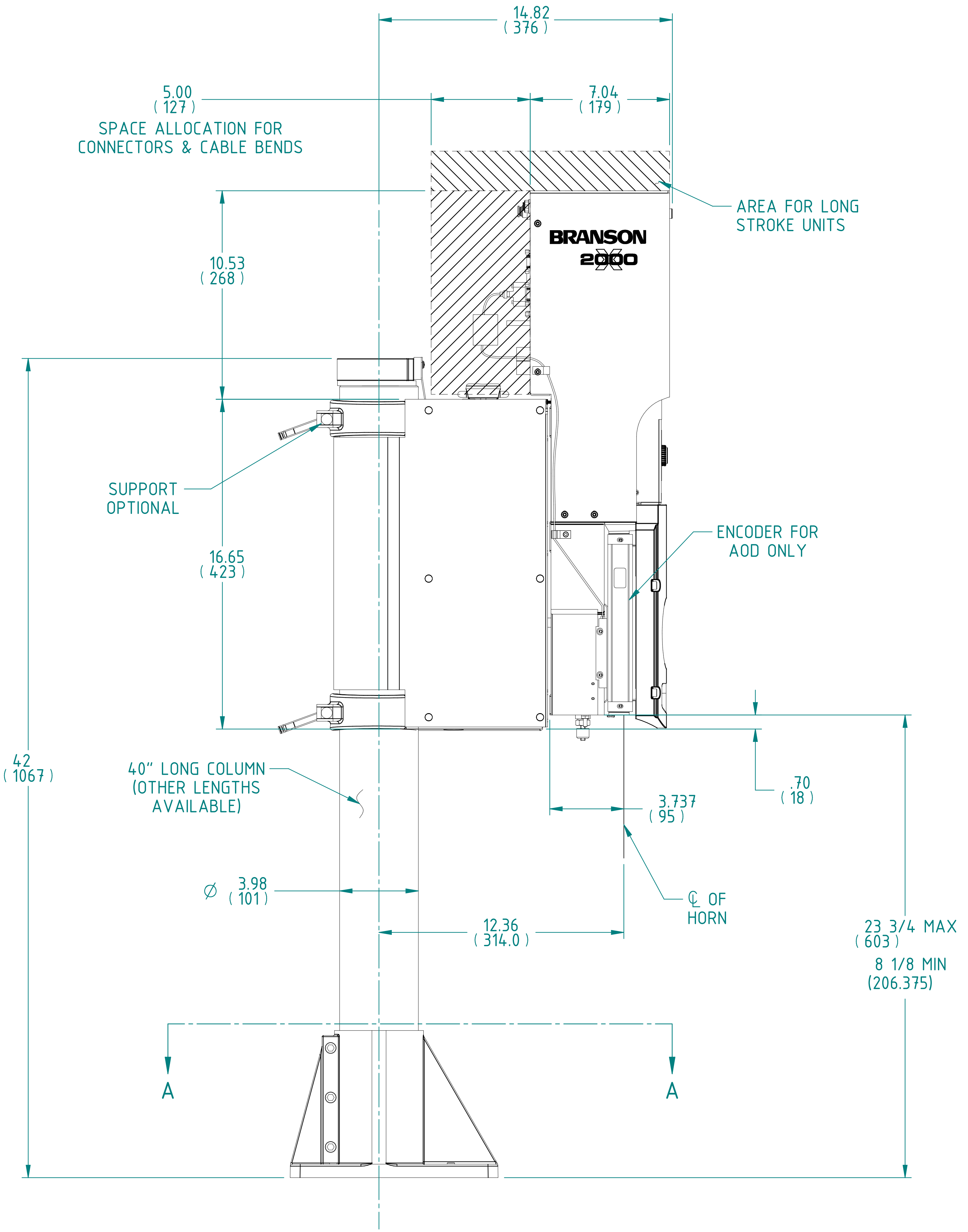


REVISIONS					
ZONE	REV	DESCRIPTION	DATE	ECN/ECO	APPR.
---	1	4.94" 1254mm Dim was 59.02" 1501 mm, 19"	10-14-08	18151	JJF
---	02	4.83 mm 123.77" 94.915mm Dim was 3.75" 95 mm	08/30/13	20345	F.ZHAO
SH 2 - III	03	ADDED DIMENSION OF THE CENTER LINE OF HORN	07/10/14	20721	DHM
ALL	04	LOGO WAS UPDATED PER IMPACT ANALYSIS OF 120-801-037. UPDATED MAX AND MIN DIMENSIONS.	11/22/18	101383	AAMG
---	05	UPDATED PER IMPACT ANALYSIS	1/8/19	22405	OZG
---	06	UPDATED DRAWING TO SHOW CORRECT DIMENSIONS	11/6/19	102203	JVL



FREQUENCY	FREQUENCY		
	20 KHz	30 KHz	40 KHz
2.12 TO 2.75	1.30 TO 1.54	0.69 TO 0.94	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.
5 TO 5.50	2.97 TO 3.80	2.5 TO 2.75	

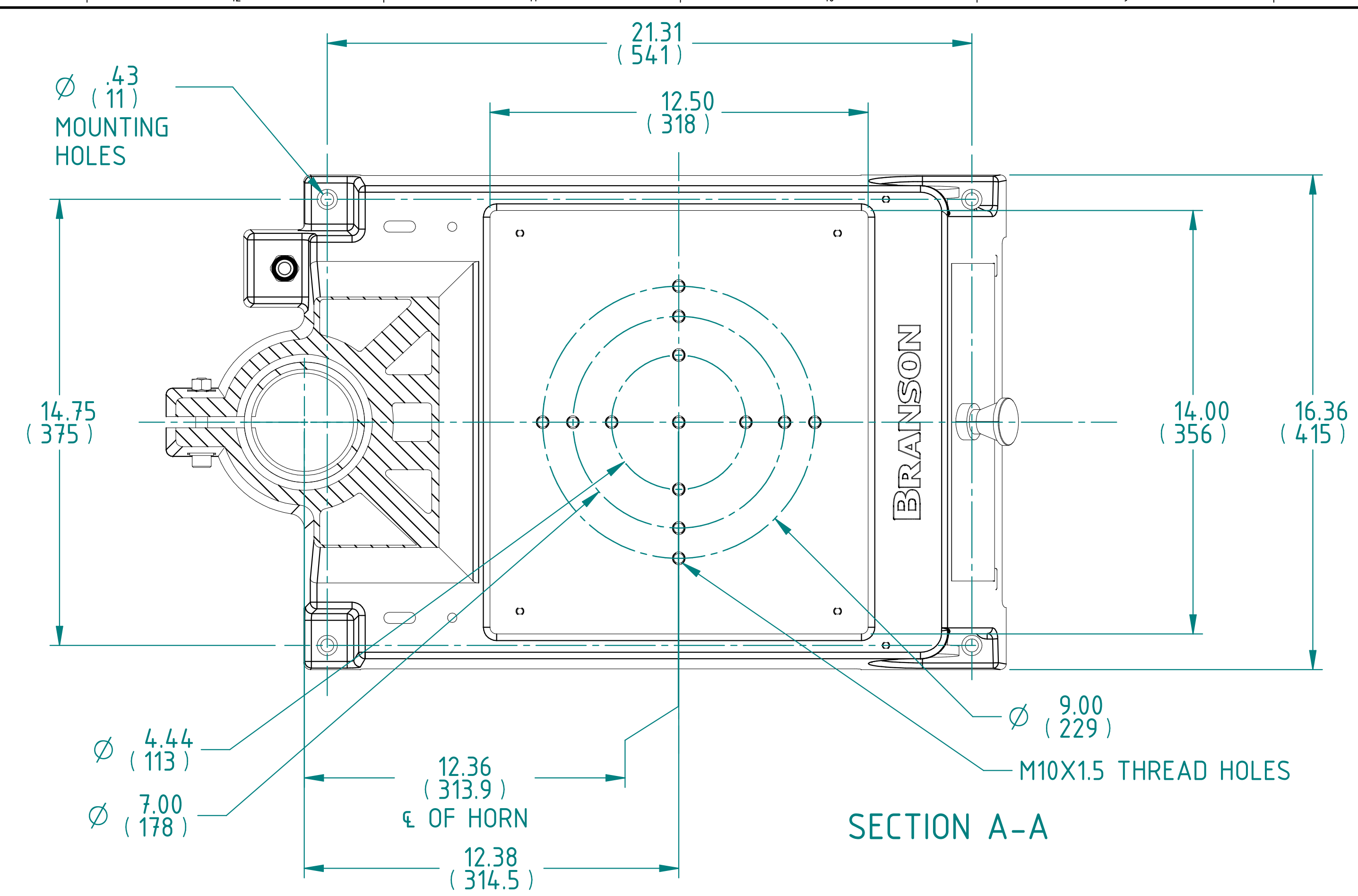
HORN WIDTH AND LENGTH WILL VARY WITH EACH DESIGN



- NOTES:
 1. ALL DIMENSIONS ARE APPROXIMATE.
 2. SEE SHEET 2 FOR BASE MOUNT.
 SHEET 3 FOR ACTUATOR ONLY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 2 PLACE DECIMALS ±.015 3 PLACE DECIMALS ±.005 ANGLES ±.1° FRACTIONS ±1/32 SURFACE FINISH:	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 TO BE REPRODUCED OR COPIED WITHOUT PERMISSION AND IS RETURNABLE UPON DEMAND. Article or material must comply with requirements stipulated by RoHS in its current version.	MATERIAL: N/A		BRANSON TITLE: OUTLINE 2000x aod/aod
		FINISH: N/A CHECKED: DM APPROVED: NLG SCALE: 1:3 SHEET 1 OF 3		

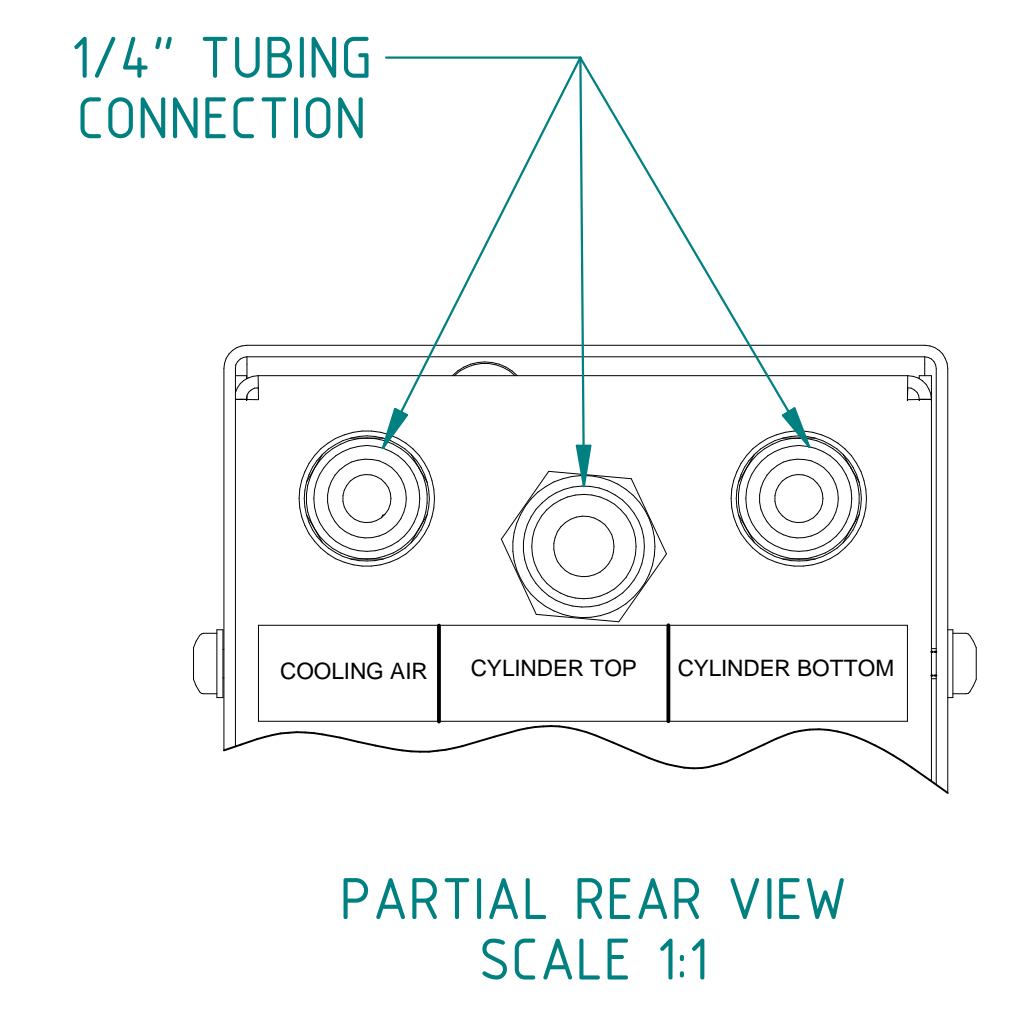
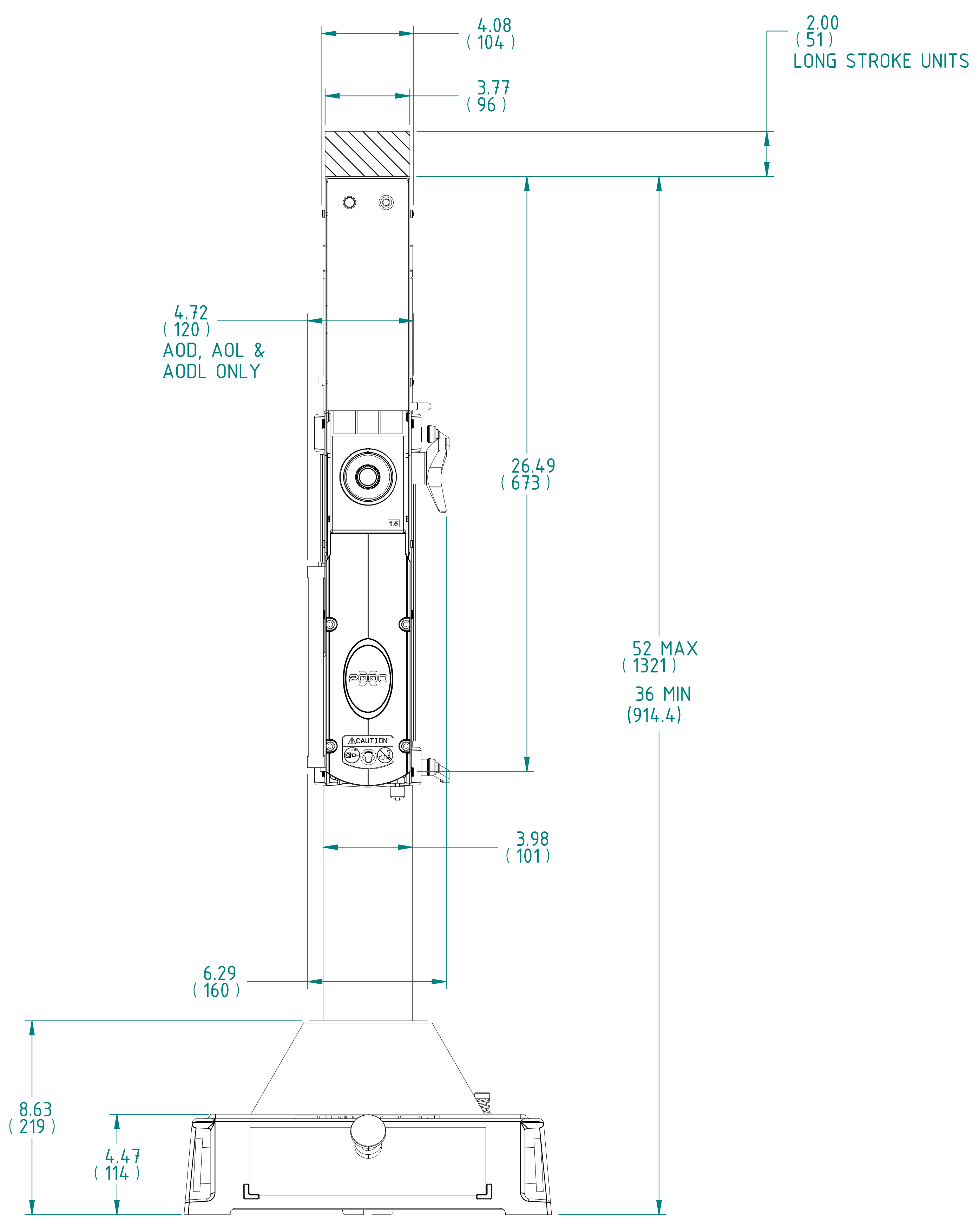
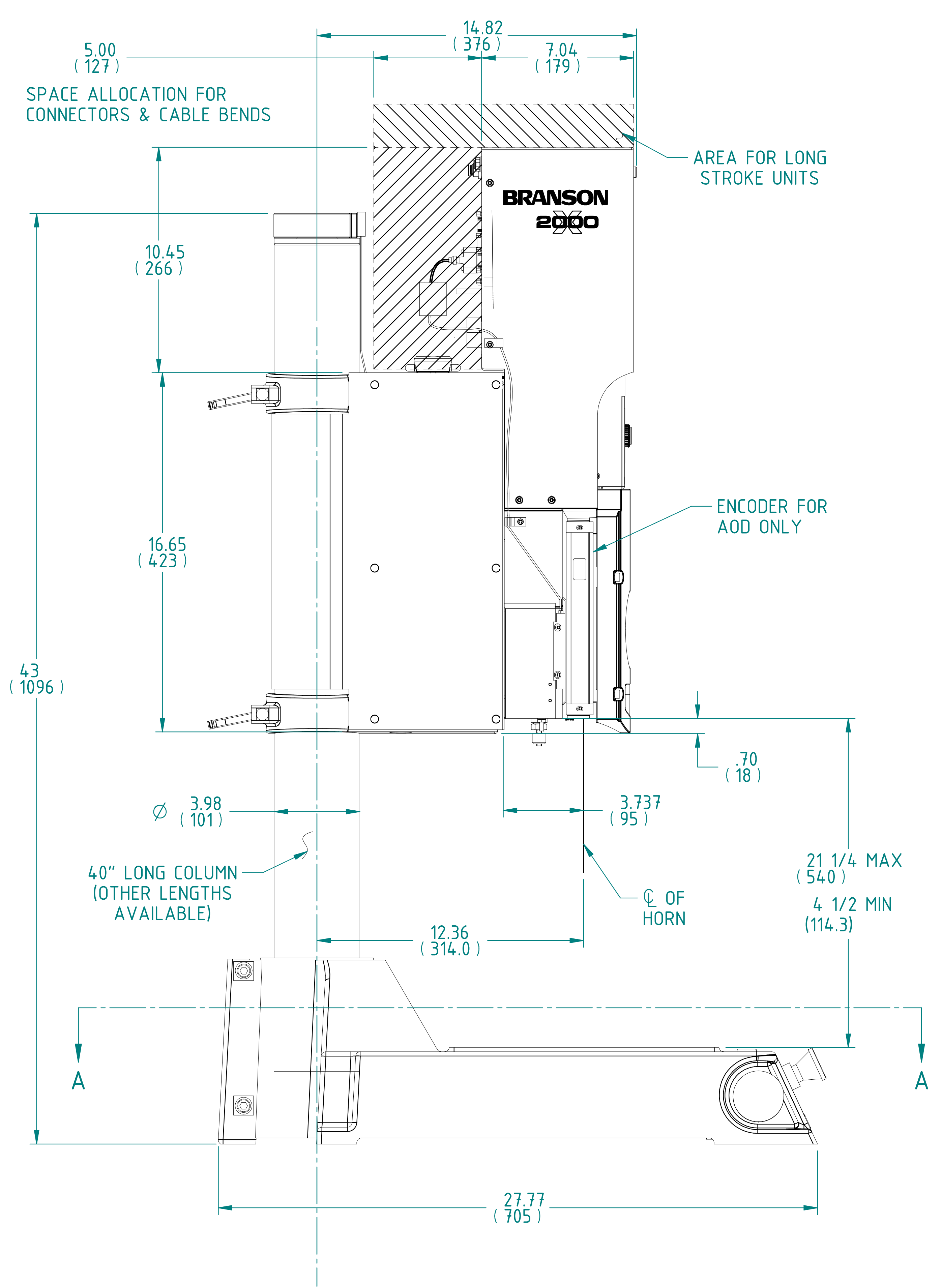
REVISIONS					
ZONE	REV	DESCRIPTION	DATE	ECN/ECO	APPR.
		SEE SHEET 1			



FREQUENCY	20 KHz	30 KHz	40 KHz
		2.12 TO 2.75 5 TO 5.50	1.30 TO 1.54 2.97 TO 3.80

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.

HORN WIDTH AND LENGTH WILL VARY WITH EACH DESIGN



- NOTES:
- ALL DIMENSIONS ARE APPROXIMATE.
 - FOR HUB MOUNT SEE SHEET 1 AND SHEET 3 FOR ACTUATOR ONLY.

<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 2 PLACE DECIMALS ±0.05 3 PLACE DECIMALS ±0.005 ANGLES ±1° FRACTIONS ±1/32</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 ReHS in its current version.</small>	MATERIAL: N/A									
		Material Spec: N/A			<table border="1"> <thead> <tr> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN: NLG</td> <td>1-30-07</td> </tr> <tr> <td>CHECKED: DM</td> <td>1-30-07</td> </tr> <tr> <td>APPROVED: NLG</td> <td>1-30-07</td> </tr> <tr> <td>SCALE: 1:3</td> <td>SHEET 2 OF 3</td> </tr> </tbody> </table>	NAME	DATE	DRAWN: NLG	1-30-07	CHECKED: DM	1-30-07
NAME	DATE										
DRAWN: NLG	1-30-07										
CHECKED: DM	1-30-07										
APPROVED: NLG	1-30-07										
SCALE: 1:3	SHEET 2 OF 3										
<small>FINISH: N/A</small>			TITLE OUTLINE 2000x aod								
<small>Finish Spec: N/A</small>			<small>SIZE/DWG NO</small> E	<small>REV</small> 06							

