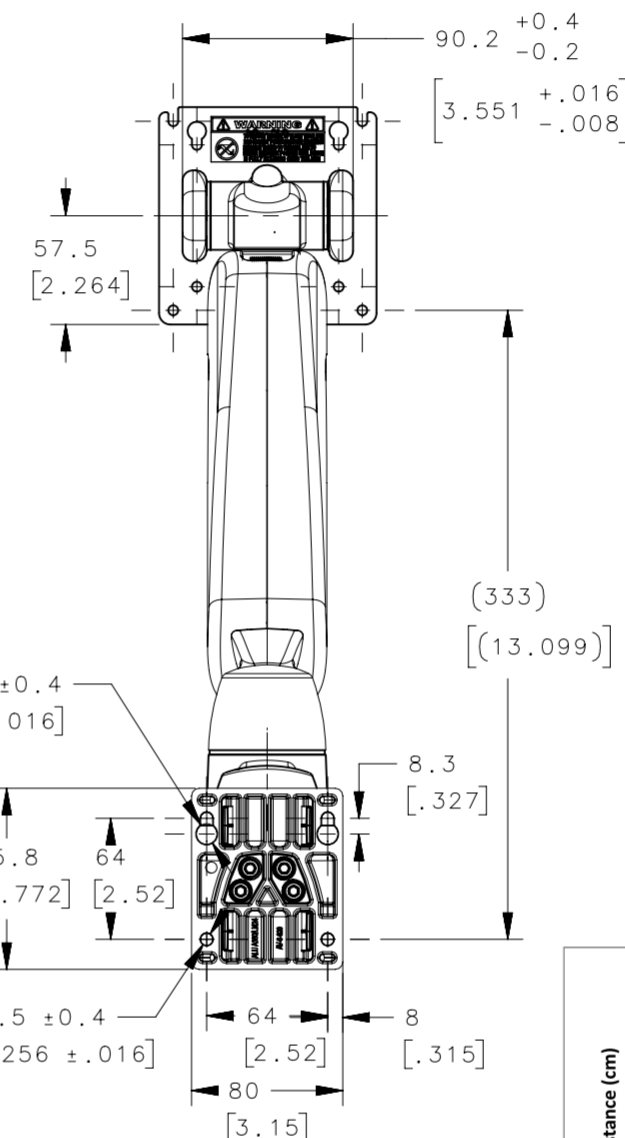
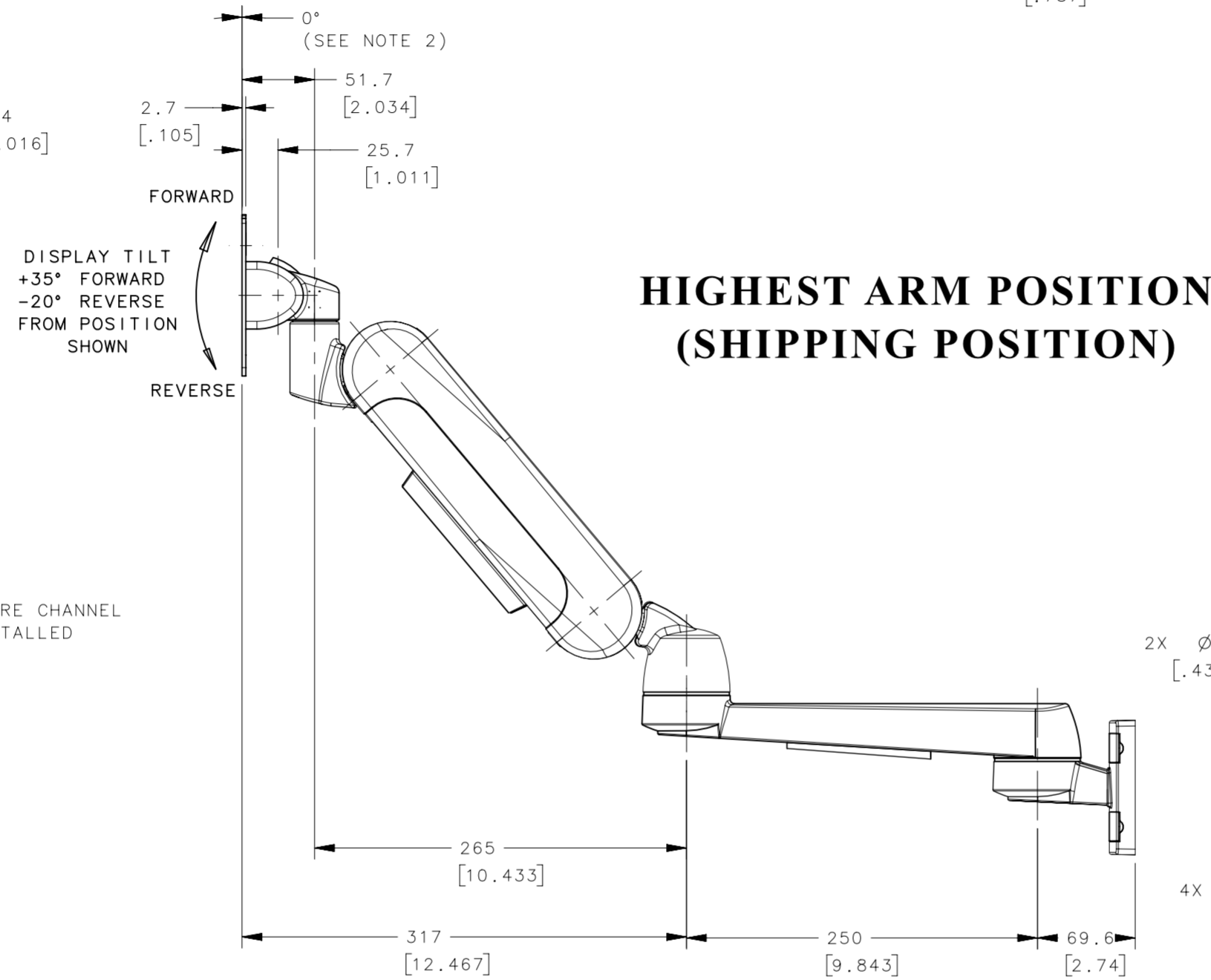
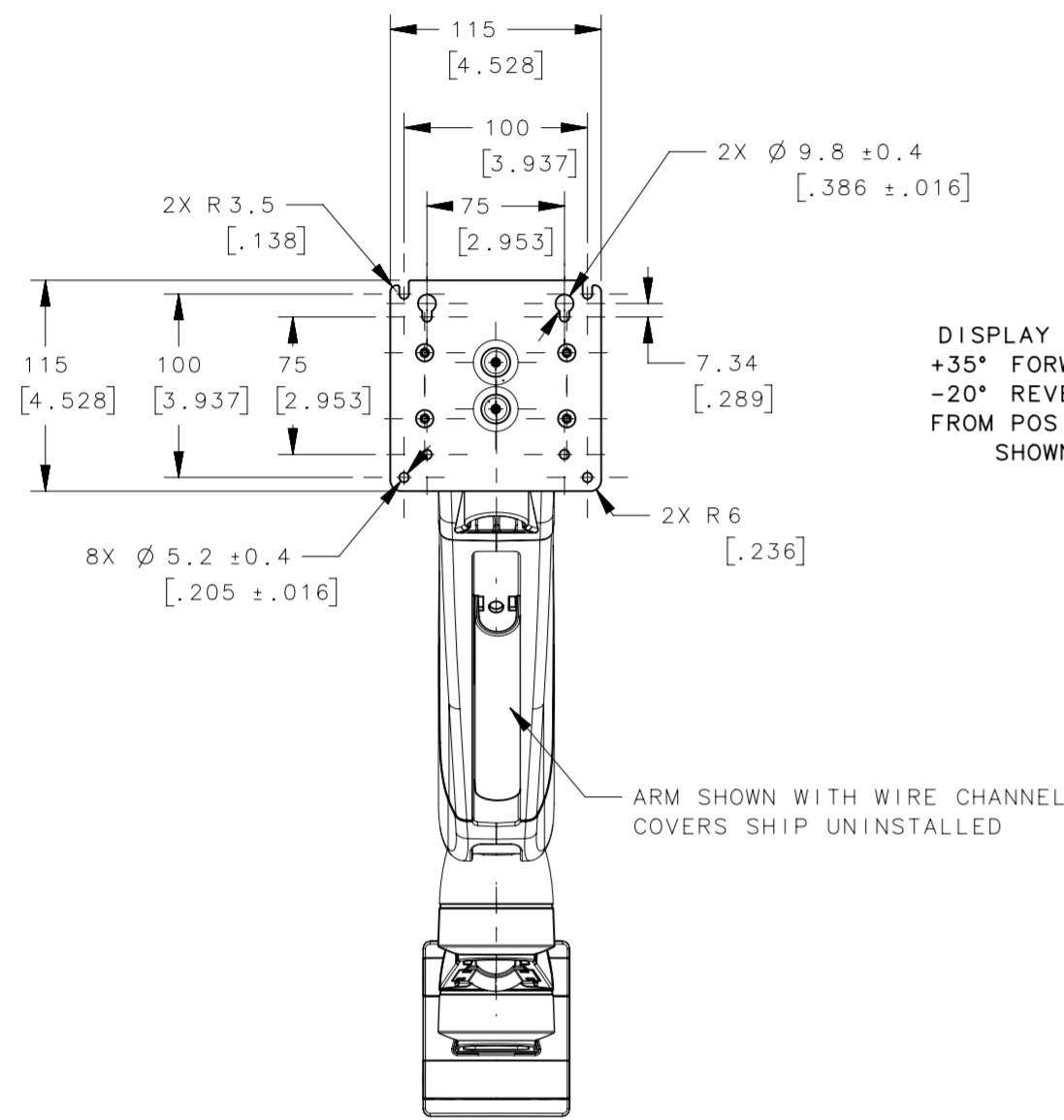
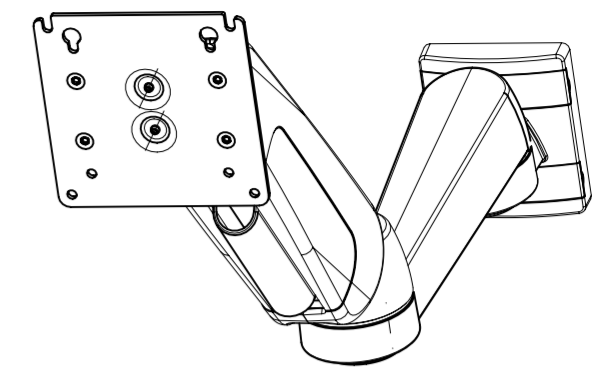
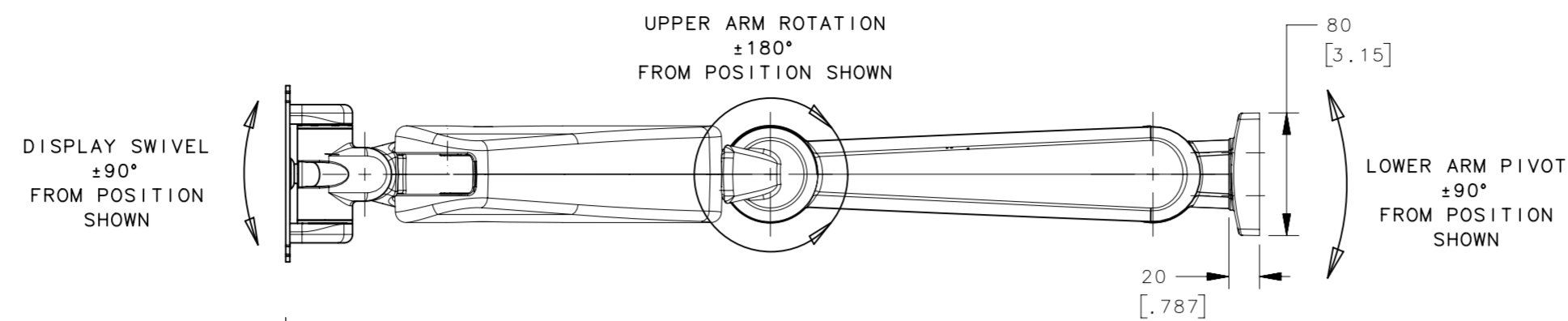
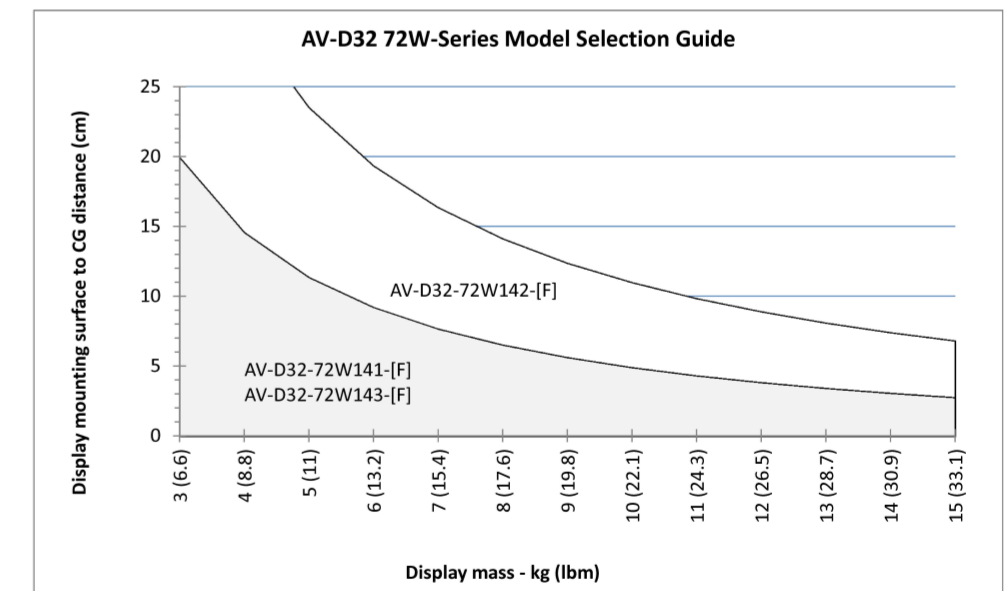
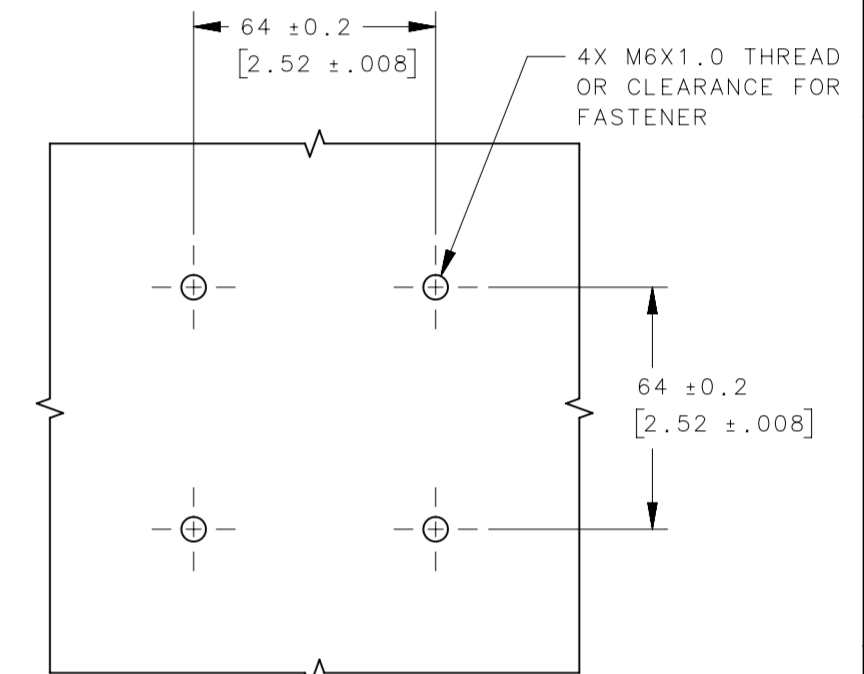


CAUTION:
THE GAS SPRING CONTAINED IN THIS ASSEMBLY IS UNDER HIGH PRESSURE. DO NOT ACTUATE ARM ASSEMBLY WITH OUT DISPLAY OR TEST WEIGHT SECURELY FASTENED TO THE DISPLAY MOUNTING PLATE. THE DISPLAY OR TEST WEIGHT MUST BE INSTALLED AND REMOVED WITH THE ARM IN THE HIGHEST POSITION (SHIPPING POSITION).

REVISION HISTORY			
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MOUNTING PANEL PREPARATION



- NOTES:
- FINISH PER SOUTHCO COSMETIC SPECIFICATION S-121, CLASS C FOR POWDER COATING AND MOLDED PLASTIC PARTS. ALL POWDER COATED INTERIOR SURFACES ARE CLASS D AND OVERSPRAY IS PERMITTED, WHEREAS ALL INTERIOR PLASTIC PART SURFACES ARE CLASS D.
 - TILT TORQUE MEASURED WITH VESA DISPLAY PLATE IN THE VERTICAL ($0^\circ \pm 5^\circ$) POSITION WHEN TILTING IN THE REVERSE DIRECTION FROM -5° TO 0° . TILT TORQUE VARIES WITH THE COUNTERBALANCE (WHEN EQUIPPED) IN THE FORWARD AND REVERSE DIRECTIONS.
 - DISPLAY MOUNTING PLATE TO TILT HOUSING ANGULAR FREE PLAY TO BE 1.5° MAXIMUM.
 - ASSEMBLY MODELED WITHOUT FINISH APPLIED. POWDER COATING ADDS $0.1+0.15/-0.05$ mm TO EACH SURFACE.
 - THE ARM LIFT FORCE VARIES WITH THE ARM POSITION IN THE UP AND DOWN DIRECTION. ARM LIFT COUNTERBALANCE IS ADJUSTABLE WITH ACCESS TO THE ADJUSTMENT SCREW IN THE LOWER KNUCKLE WITH THE ARM IN THE LOWEST POSITION. THE ARM SHIPS WITH THE STRUT ADJUSTMENT TO SUPPORT THE LARGEST DISPLAY WEIGHT.
 - PACKAGE ARM ASSEMBLY PER PACKAGING SPECIFICATION DRAWING K-AV-D32-72W141, LATEST REVISION.

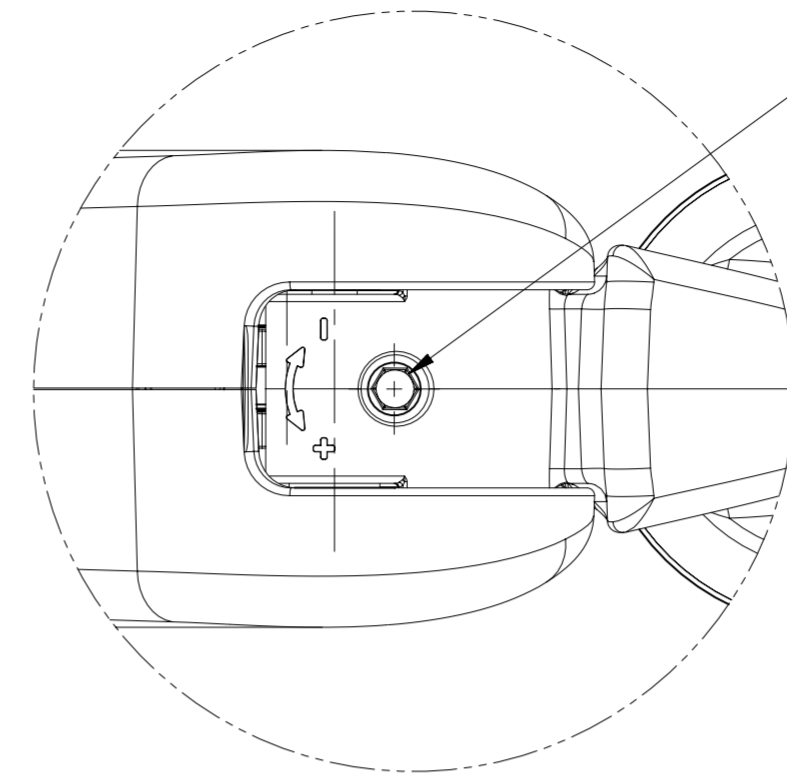
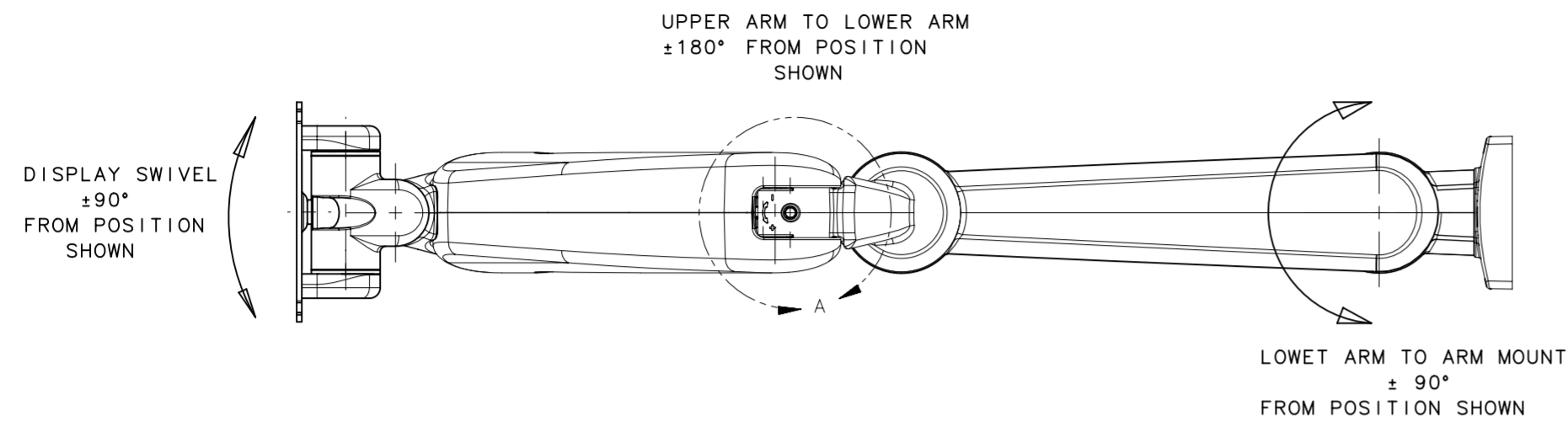
PART NUMBER	REVERSE TILT TORQUE N*m (lbf*in)	FORWARD TILT TORQUE N*m (lbf*in)	DISPLAY SWIVEL SYMMETRIC TORQUE N*m (lbf*in)	SYMMETRIC TORQUE TO MOVE UPPER ARM ASSEMBLY N*m (lbf*in)	SYMMETRIC TORQUE TO MOVE LOWER ARM N*m (lbf*in)	RECOMMENDED DISPLAY WEIGHT RANGE	COLOR
AV-D32-72W141-50 AV-D32-72W141-76	7.9 (70)	1.13 (10)	4.29 (38) NOMINAL / 2.17 (19.2) MINIMUM	6.0 (53.1) NOMINAL / 4.2 (37.1) MINIMUM	6.0 (53.1) NOMINAL / 4.2 (37.1) MINIMUM	2 To 7 kg (4.4 TO 15.4 lbm)	BLACK OFFICE WHITE
AV-D32-72W142-50 AV-D32-72W142-76	15.4 (136)	2.26 (20)				5 To 10 Kg (11 TO 22 lbm)	BLACK OFFICE WHITE
AV-D32-72W143-50 AV-D32-72W143-76	8.6 (76)	6.0 (53)				2 To 7 kg (4.4 TO 15.4 lbm)	BLACK OFFICE WHITE

THIRD ANGLE PROJECTION	MILLIMETERS [IN]	 CONNECT · CREATE · INNOVATE
TOLERANCES UNLESS OTHERWISE NOTED		
SURFACE AREA	ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.	DESCRIPTION HINGE & CONTROLLED MOTION DEVICE AV-D32 ARTICULATING FIXED ARM ASSEMBLY FRONT WALL MOUNT
VOLUME		SIZE SYSTEM A2 NX
PROPRIETARY ITEM <small>EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.</small>	PER ASME Y14.5M-1994	DWG NO. J-AV-D32-72W141
	DRAWN BY GEA	DATE 02MAR2018
	SCALE 1:1	SHEET 1 OF 4

ARM DISPLAY WEIGHT ADJUSTMENT

(ARM TO BE ADJUSTED WITH THE DISPLAY MOUNTED)

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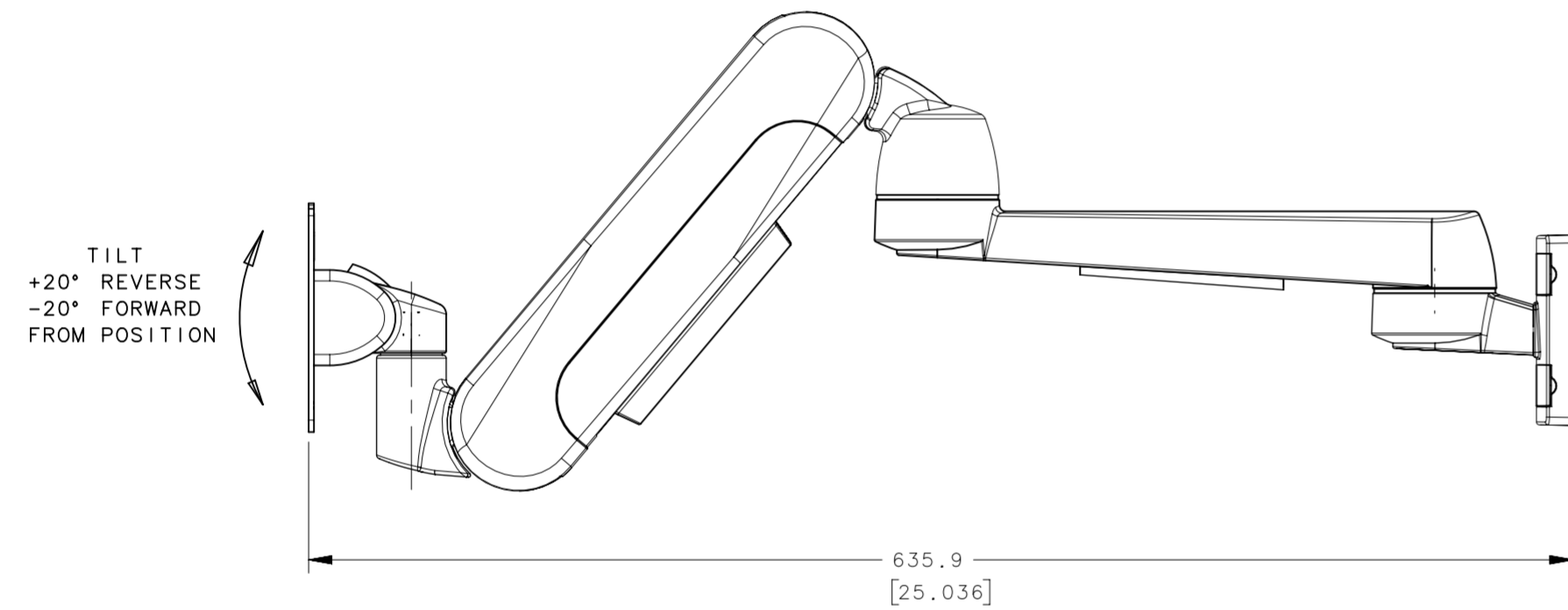


DISPLAY WEIGHT ADJUSTMENT
5 mm HEX RECESS FOR HEX KEY

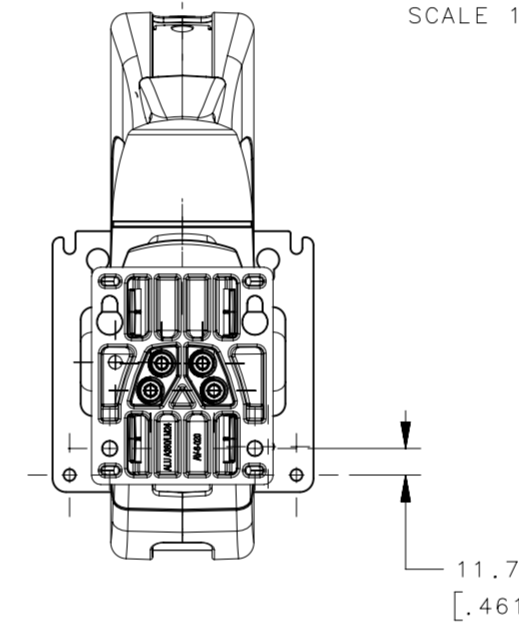
- TURN SCREW CW (CLOCKWISE) TO DECREASE TENSION FOR A LIGHTER DISPLAY
- + TURN SCREW CCW (COUNTERCLOCKWISE) TO INCREASE TENSION FOR A HEAVIER DISPLAY

(NOTE: ADJUSTMENT IS EASIER IF ARM IS POSITIONED BELOW HORIZONTAL WITH THE DISPLAY ATTACHED)

LOWEST ARM POSITION



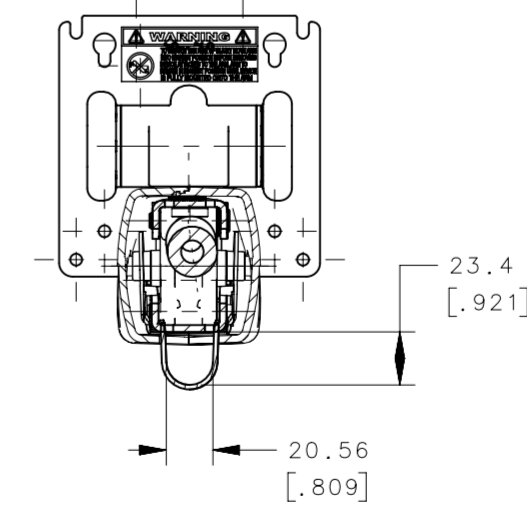
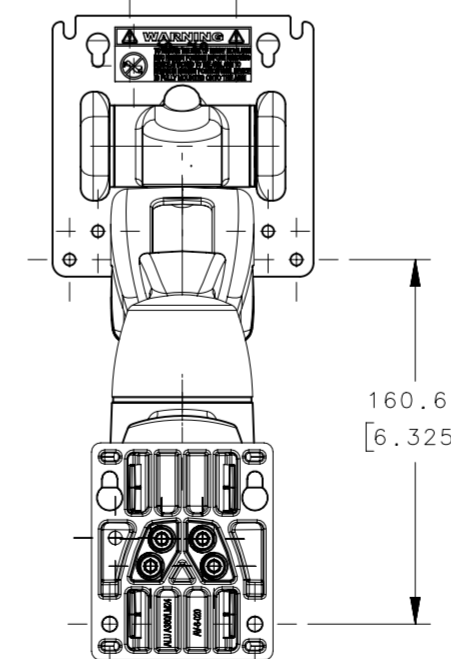
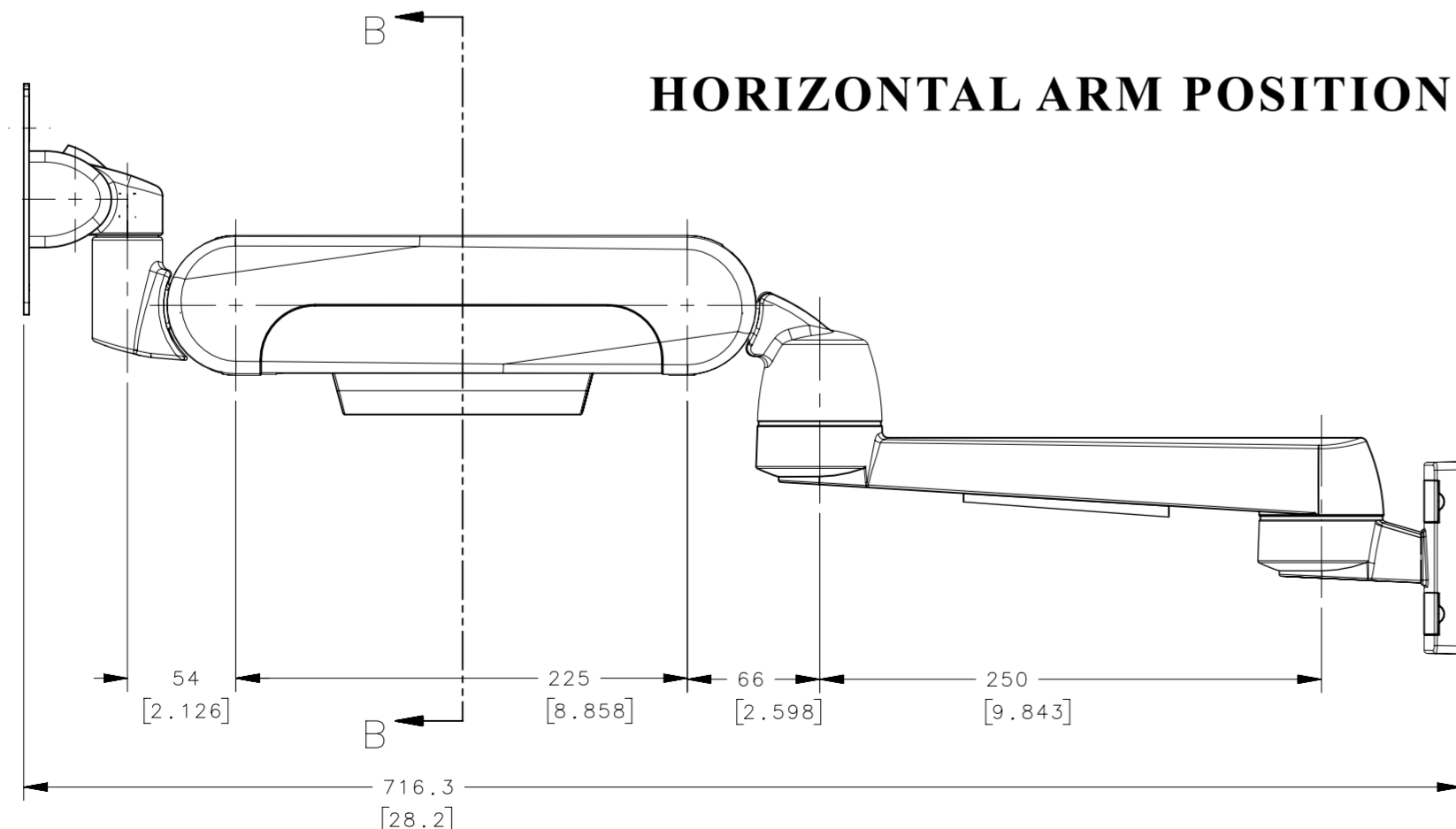
DETAIL A
SCALE 1:1



NOTES:

- MATERIALS AND FINISHES:
 ADAPTERS: DIE CAST ALUMINUM, ANODIZED AND POWDER COATED
 LOWER ARM, TILT HOUSING, UPPER KNUCKLE AND LOWER KNUCKLE, ARM ADAPTER AND WALL MOUNT PLATE: DIE CAST ALUMINUM, POWDER COATED
 TILT SLEEVE, THRUST WASHER AND SHELL: ACETAL, BLACK COILED PIN: STEEL, PHOSPHATE COATED
 TILT SHAFT, TORQUE ELEMENTS AND STOP WASHER: STEEL, NATURAL FINISH
 TORSION SPRING: CARBON STEEL, NICKEL PLATED (WHEN EQUIPPED)
 DISPLAY SCREWS, WALL MOUNT SCREWS AND RETAINERS: STEEL, BLACK OXIDE
 DISPLAY STOPS: POLYETHYLENE, WHITE
 LINK BUSHING AND STRUT ADJUST BUSHING: BRASS, NATURAL
 LINK FLANGED SLEEVE: STEEL, TEFLON COATED
 STRUT PIN: STAINLESS STEEL
 STRUT ADJUST ADAPTER: ZINC, NICKEL PLATED
 GAS SPRING: STEEL AND ZINC, PAINTED
 ARM LINKS, STRUT BALL MOUNT: STEEL, ZINC PLATED
 ARM PIVOT SHAFTS: STAINLESS STEEL AND NYLON
 LINK PINS: STEEL, NICKEL PLATED
 ARM COVERS, WALL MOUNT FRONT COVERS, LOWER ARM COVER AND WIRE CHANNEL: PC/ABS
 WASHERS (WALL MOUNT PLATE): STEEL, ZINC PLATED
 LUBRICANT: HYDROCARBON BASE

HORIZONTAL ARM POSITION



SECTION B-B

	THIRD ANGLE PROJECTION		southco CONNECT · CREATE · INNOVATE
	MILLIMETERS [IN]		
SURFACE AREA	TOLERANCES UNLESS OTHERWISE NOTED		DESCRIPTION
VOLUME	ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.		HINGE & CONTROLLED MOTION DEVICE
PROPRIETARY ITEM	PER ASME Y14.5M-1994	SIZE SYSTEM	AV-D32 ARTICULATING FIXED ARM ASSEMBLY FRONT WALL MOUNT
EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.	DRAWN BY	DWG NO.	J-AV-D32-72W141
	GEA	DATE	02MAR2018
		SCALE	1:1
		SHEET	2 OF 4

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
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REFER TO TABLE ON SHEET 1 FOR RECOMMENDED DISPLAY WEIGHT RANGE

DISPLAY (NOT SUPPLIED)

DISPLAY MOUNTING SCREWS (NOT SUPPLIED)

INSTALL DISPLAY WITH THE ARM IN THE HIGHEST POSITION

NOTE: SEE SHEET 2 OF 4 FOR ARM ADJUSTMENT PROCEDURE TO ADJUST FOR WEIGHT OF DISPLAY WHEN INSTALLED.

INSTALL DISPLAY ONTO ARM

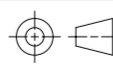
MOUNT ARM TO PANEL PREPARATION

HARDWARE COVERS

M6 SCREWS OR HEX BOLTS (NOT SUPPLIED) WITH TAPPED PANEL TO USE HEX NUTS AS REQUIRED.

ARM MOUNT NOTE:
ALIGN MOUNTING HOLES OF ARM ADAPTER WITH HOLES OF REQUIRED WALL OR ACCESSORY MOUNT AND SECURE USING 4 EA. M6X1.0 SCREWS 25MM LG, HIGH TENSILE, 12.9 GRADE, WITH M6 PLAIN WASHERS, UNDER THE HEAD, TIGHTENING TO 14 Nm TO 16 Nm.

NOTE: ARM MOUNTING SCREWS MUST HAVE SUFFICIENT THREAD ENGAGEMENT AND STRENGTH TO SUPPORT ARM ASSEMBLY.

	THIRD ANGLE PROJECTION 	southco CONNECT · CREATE · INNOVATE
	MILLIMETERS [IN]	
SURFACE AREA	TOLERANCES UNLESS OTHERWISE NOTED	DESCRIPTION HINGE & CONTROLLED MOTION DEVICE AV-D32 ARTICULATING FIXED ARM ASSEMBLY FRONT WALL MOUNT
VOLUME	ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.	
PROPRIETARY ITEM <small>EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.</small>	PER ASME Y14.5M-1994	SIZE SYSTEM A2 NX DWG NO. J-AV-D32-72W141
	DRAWN BY GEA	DATE 02MAR2018
	SCALE 1:1	SHEET 3 OF 4

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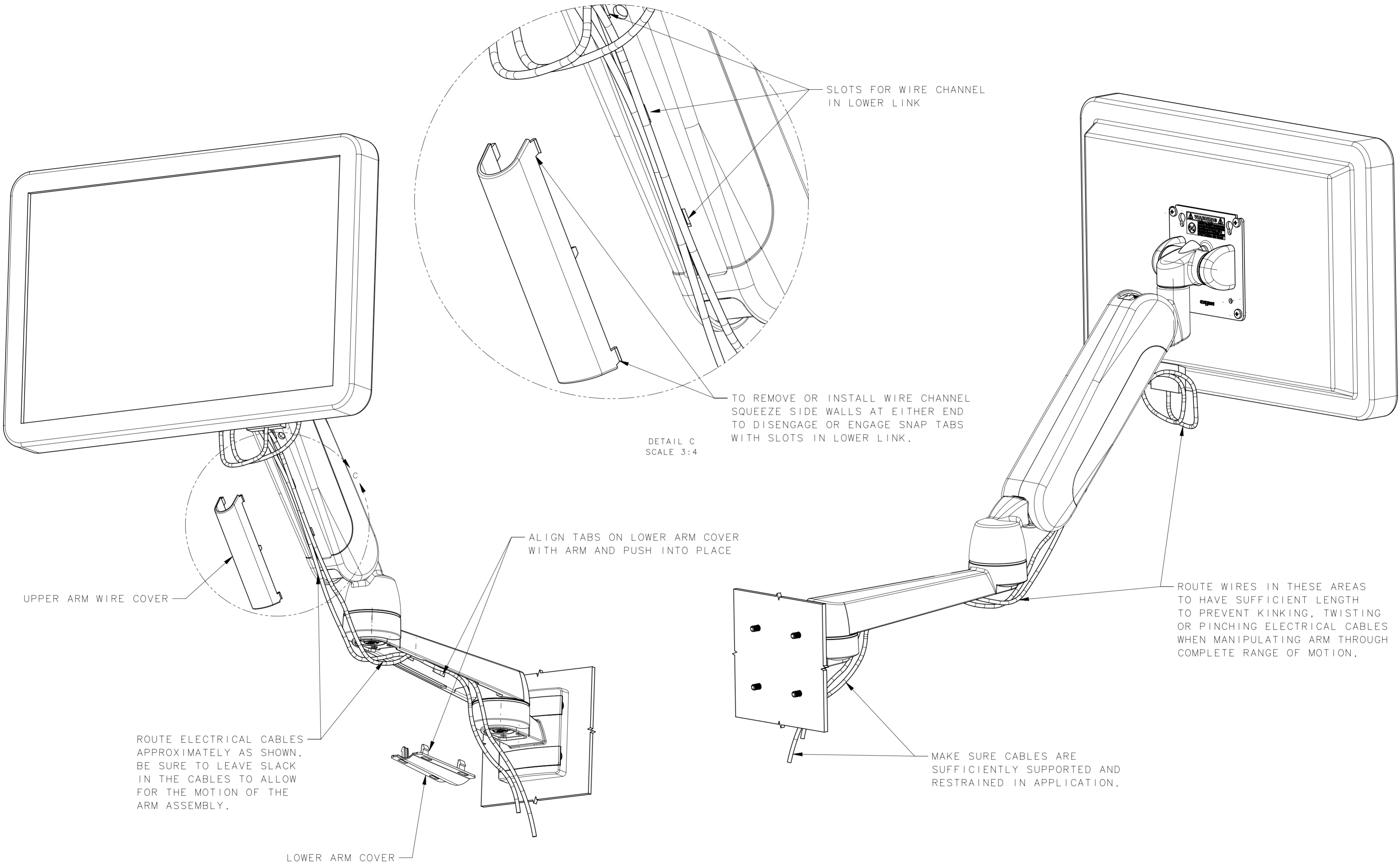
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REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
C	05JUN2020	GEA/DMS	PRN: P2020-1028



THIRD ANGLE PROJECTION		southco CONNECT · CREATE · INNOVATE	
MILLIMETERS [IN]			
SURFACE AREA		DESCRIPTION	
VOLUME		HINGE & CONTROLLED MOTION DEVICE	
PROPRIETARY ITEM		AV-D32 ARTICULATING FIXED ARM ASSEMBLY FRONT WALL MOUNT	
EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.		SIZE SYSTEM A2 NX	DWG NO. J-AV-D32-72W141
PER ASME Y14.5M-1994		DRAWN BY GEA	DATE 02MAR2018
		SCALE 1:1	SHEET 4 OF 4

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