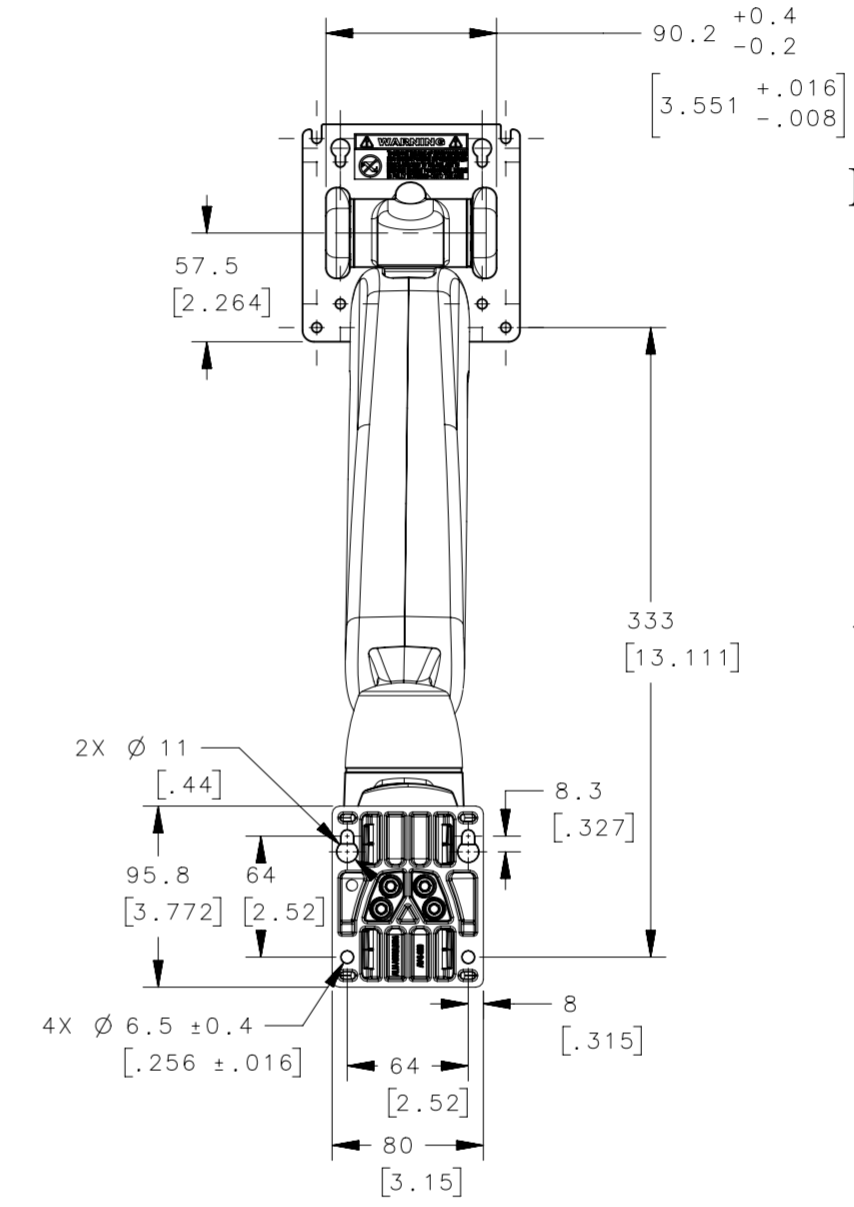
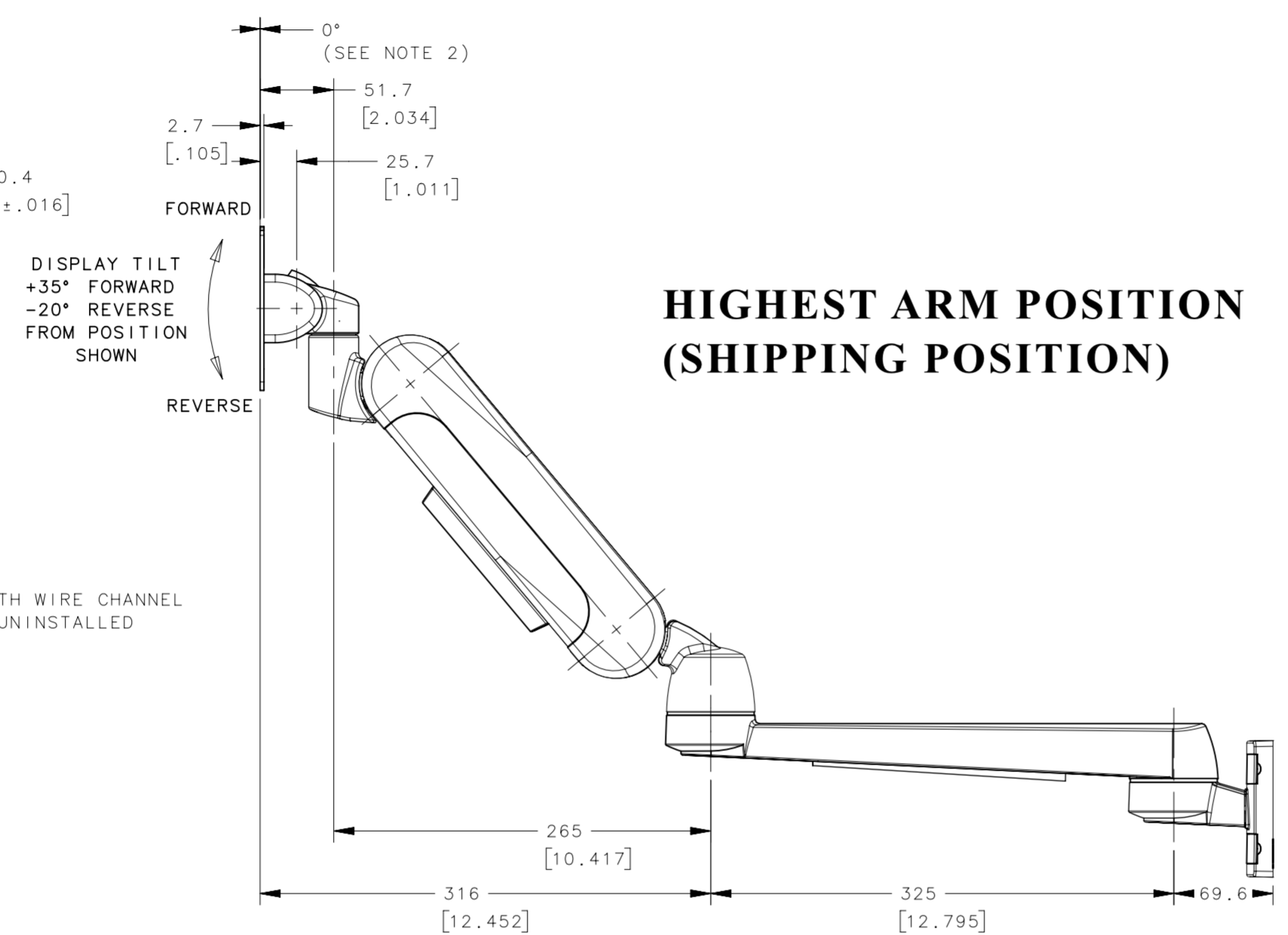
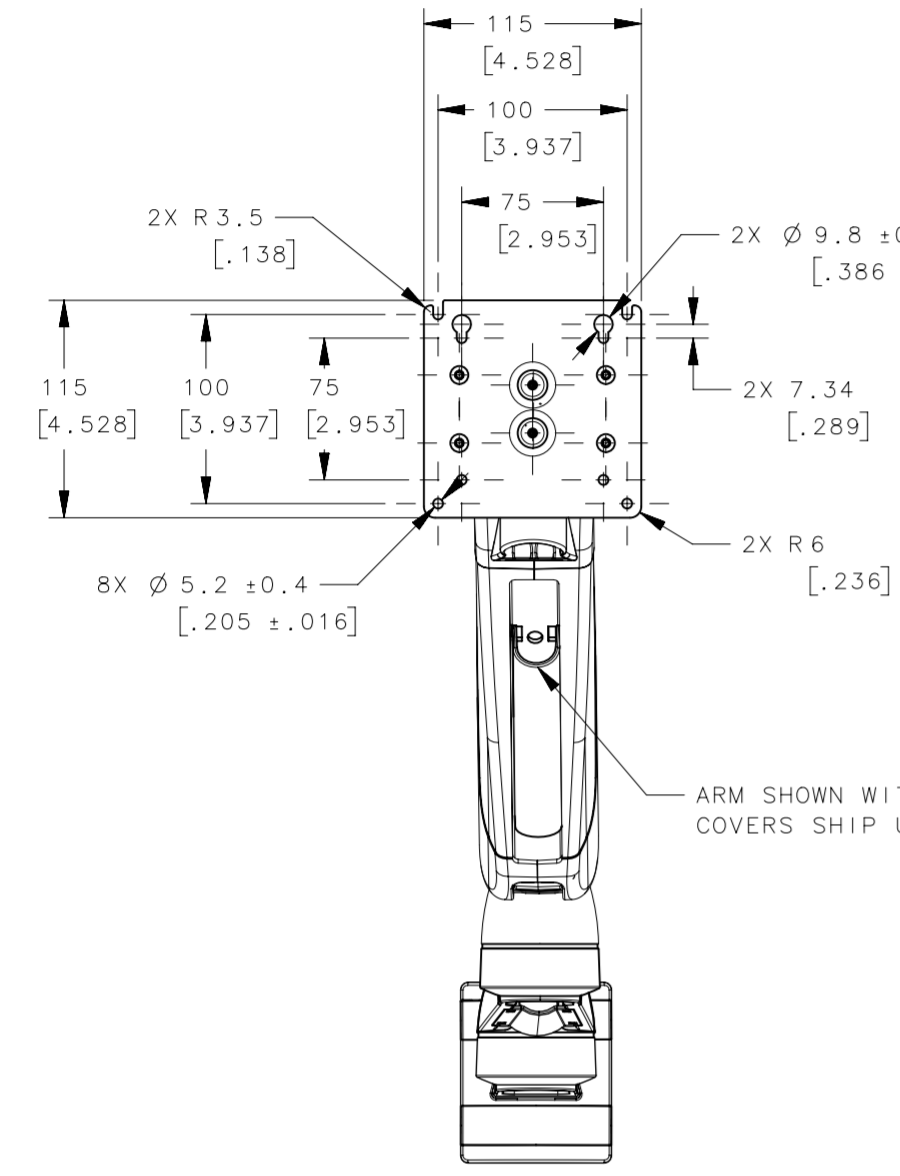
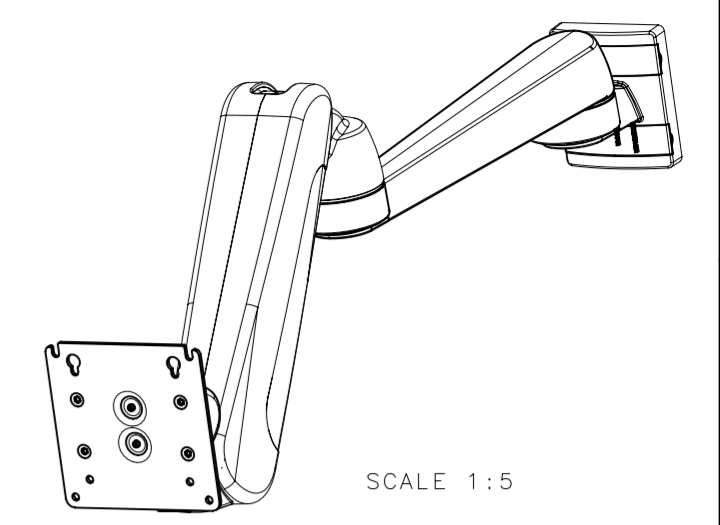
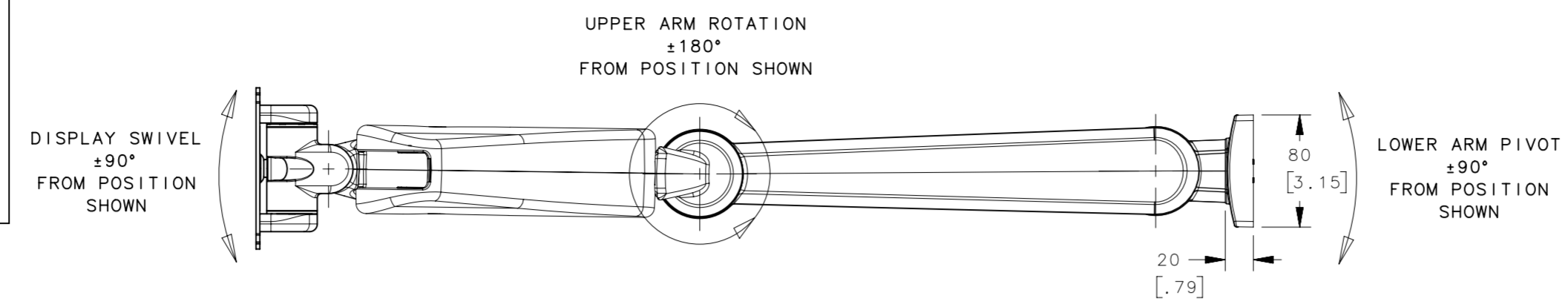
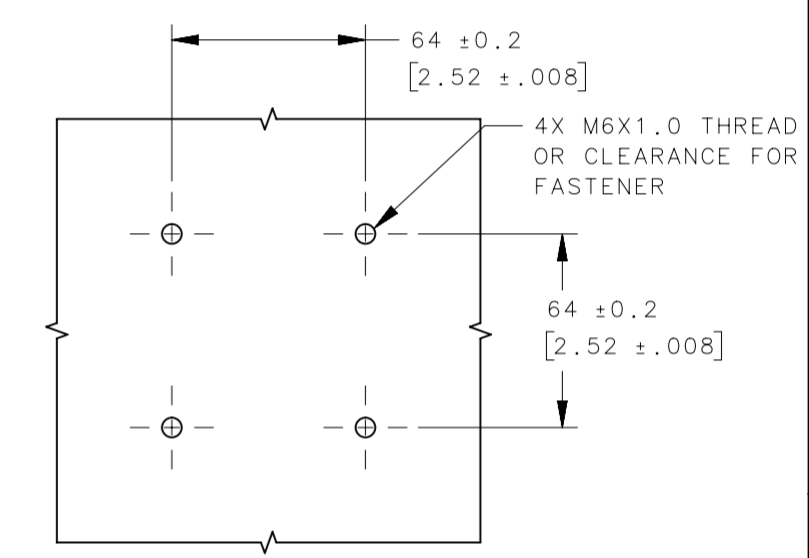


CAUTION:
 THE GAS SPRING CONTAINED IN THIS ASSEMBLY IS UNDER HIGH PRESSURE. DO NOT ACTUATE ARM ASSEMBLY WITH OUT DISPLAY OR TEST WEIGHT SECURELY FASTENED TO THE DISPLAY MOUNTING PLATE. THE DISPLAY OR TEST WEIGHT MUST BE INSTALLED AND REMOVED WITH THE ARM IN THE HIGHEST POSITION (SHIPPING POSITION).

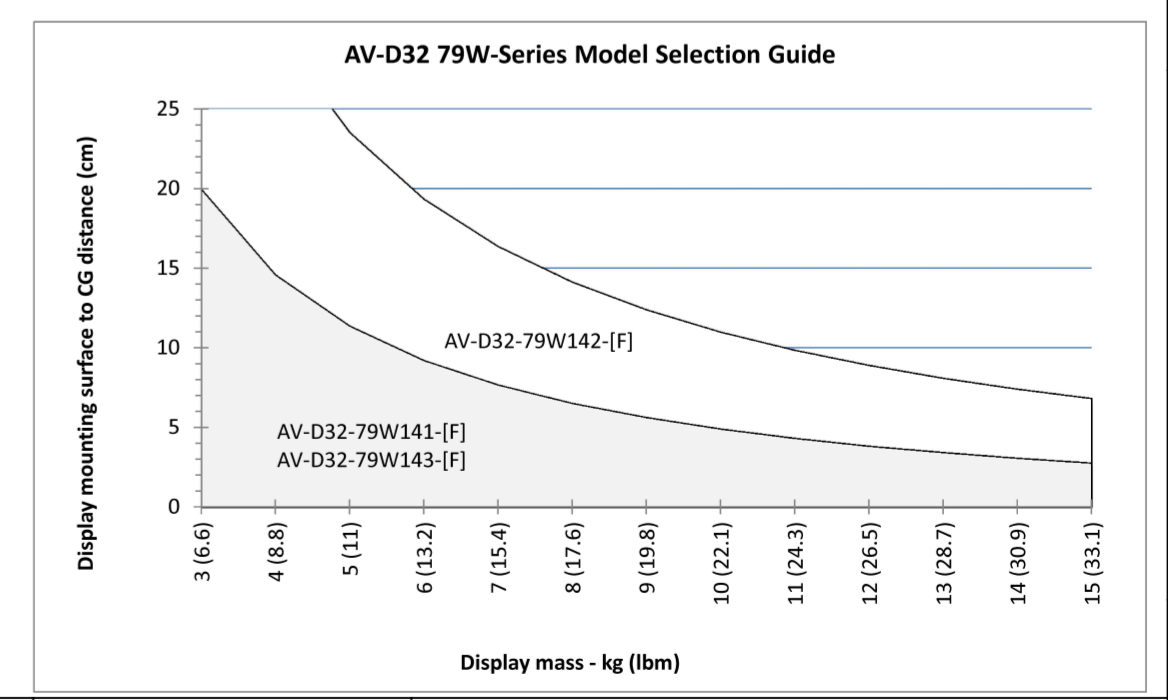
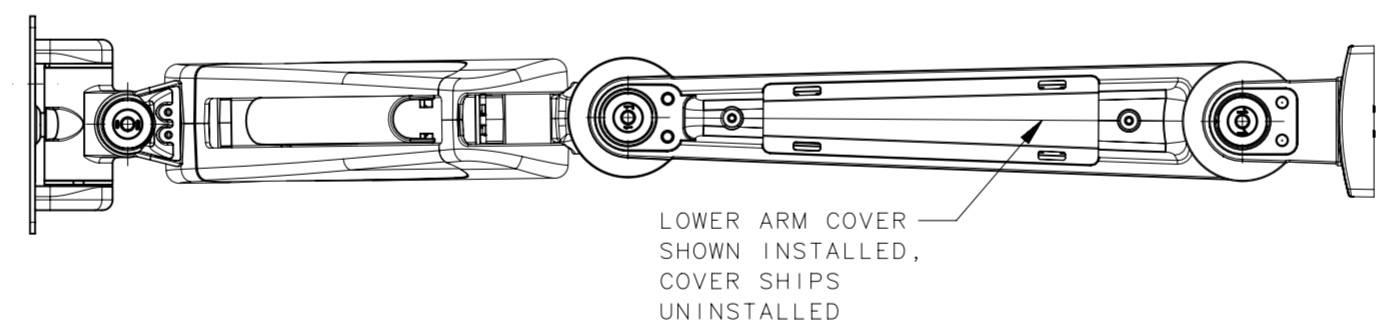
REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
C	12JUN2020	GEA/DMS	PRN: P2020-1029



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° ±5°) 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.
 - SCREWS AFFIXING HOUSING MOUNT TO MOUNTING PLATE ARE NOT TO BE REMOVED, IF REMOVED OR LOOSENED, REPLACE USING NEW M6-1.0x0.25, CLASS 12.9, HIGH TENSILE CAP HEAD SCREWS AND PLAIN WASHERS AND TIGHTEN TO 14-16 Nm.
 - 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-D32-79W141, 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-D32-79W141-50	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
AV-D32-79W141-76						5 TO 10 Kg (11 TO 22 lbm)	OFFICE WHITE
AV-D32-79W142-50	15.4 (136)	2.26 (20)				2 To 7 kg (4.4 TO 15.4 lbm)	BLACK
AV-D32-79W142-76							OFFICE WHITE
AV-D32-79W143-50	8.6 (76)	6.0 (53)					BLACK
AV-D32-79W143-76							OFFICE WHITE

THIRD ANGLE PROJECTION

MILLIMETERS [IN]

TOLERANCES UNLESS OTHERWISE NOTED

ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

PROPRIETARY ITEM EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING. INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.

PER ASME Y14.5M-1994

DRAWN BY: CBI/DMS

DATE: 24MAY2018

SCALE: 1:1

SHEET: 1 OF 4

southco
CONNECT · CREATE · INNOVATE

DESCRIPTION: HINGE & CONTROLLED MOTION DEVICE ARTICULATING FIXED ARM ASSEMBLY FRONT WALL MOUNT

SIZE SYSTEM: A2 NX

DWG NO.: J-AV-D32-79W141

8

7

6

5

4

3

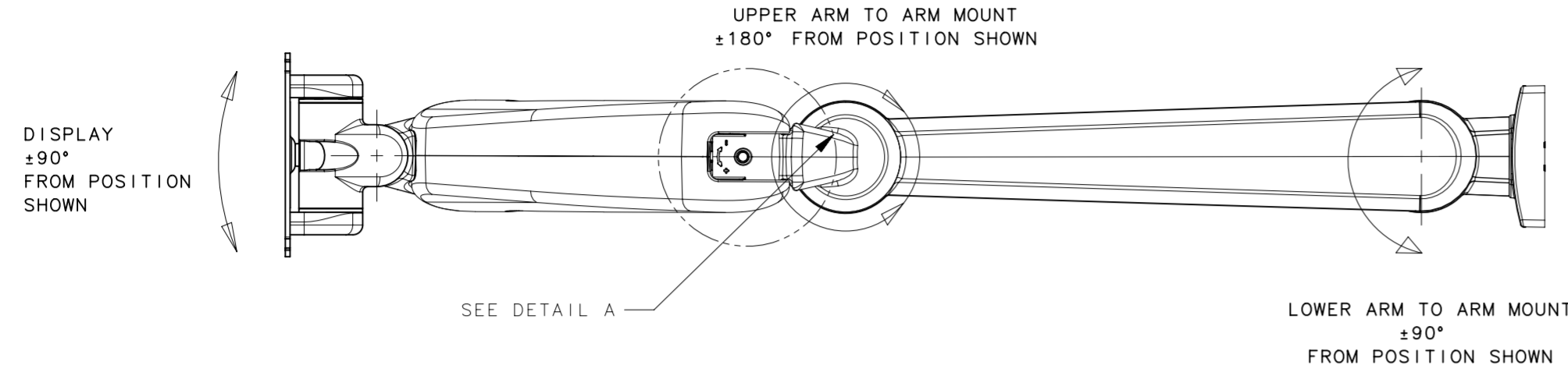
2

1

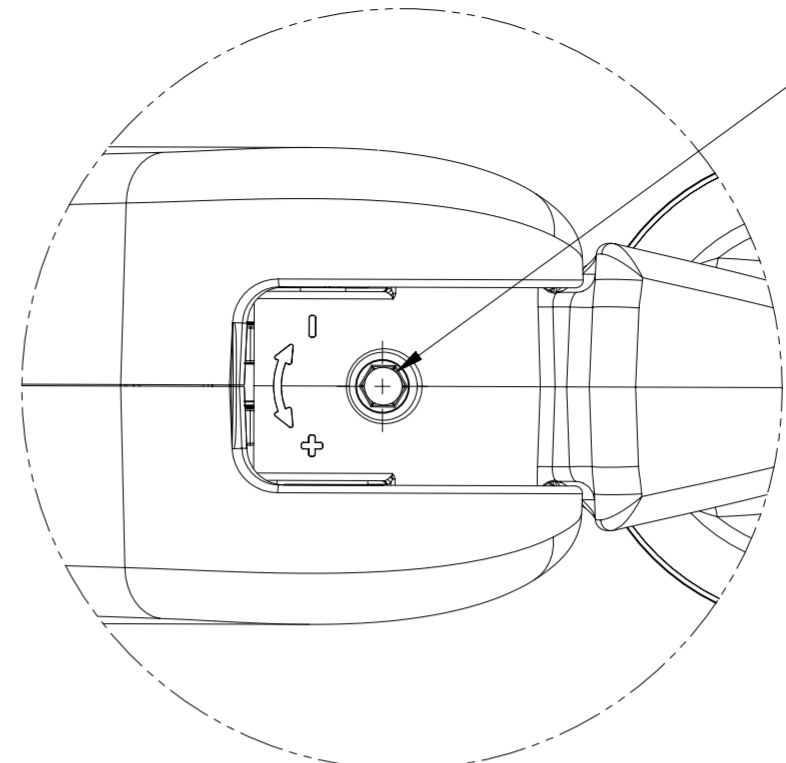
REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
C	12JUN2020	GEA/DMS	PRN: P2020-1029

ARM DISPLAY WEIGHT ADJUSTMENT

(ARM TO BE ADJUSTED WITH THE DISPLAY MOUNTED)



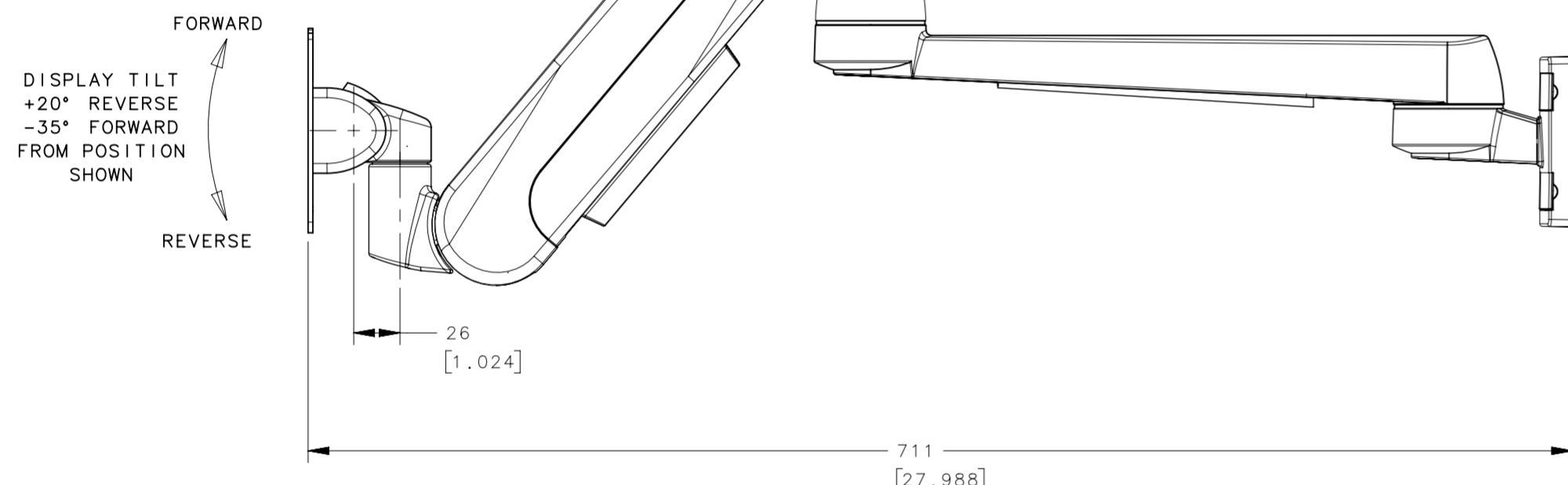
LOWEST ARM POSITION



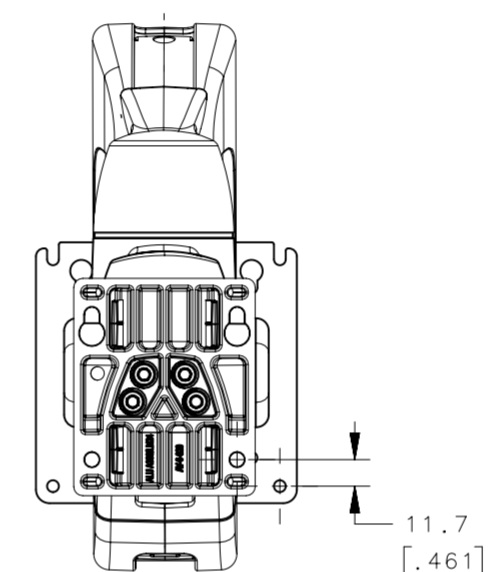
DISPLAY WEIGHT ADJUSTMENT
5 mm HEX RECESS FOR HEX KEY

- 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)



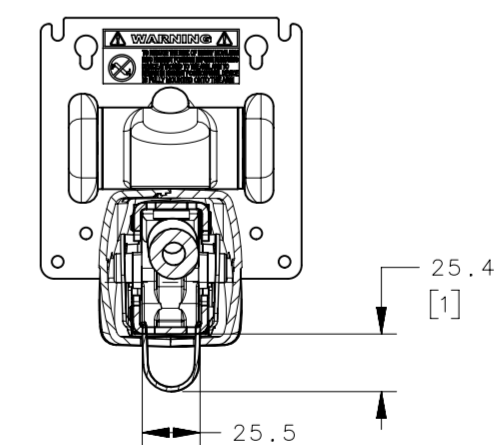
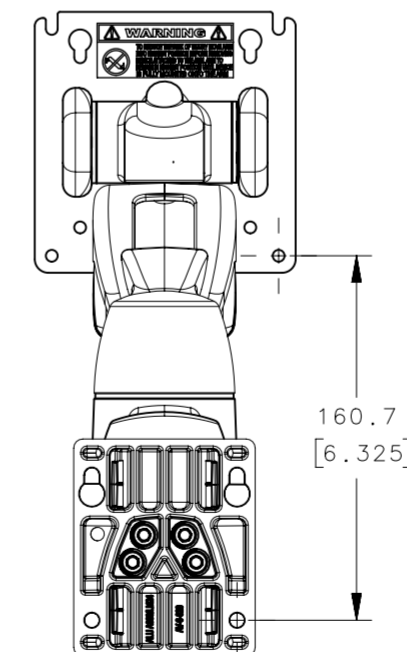
HORIZONTAL ARM POSITION



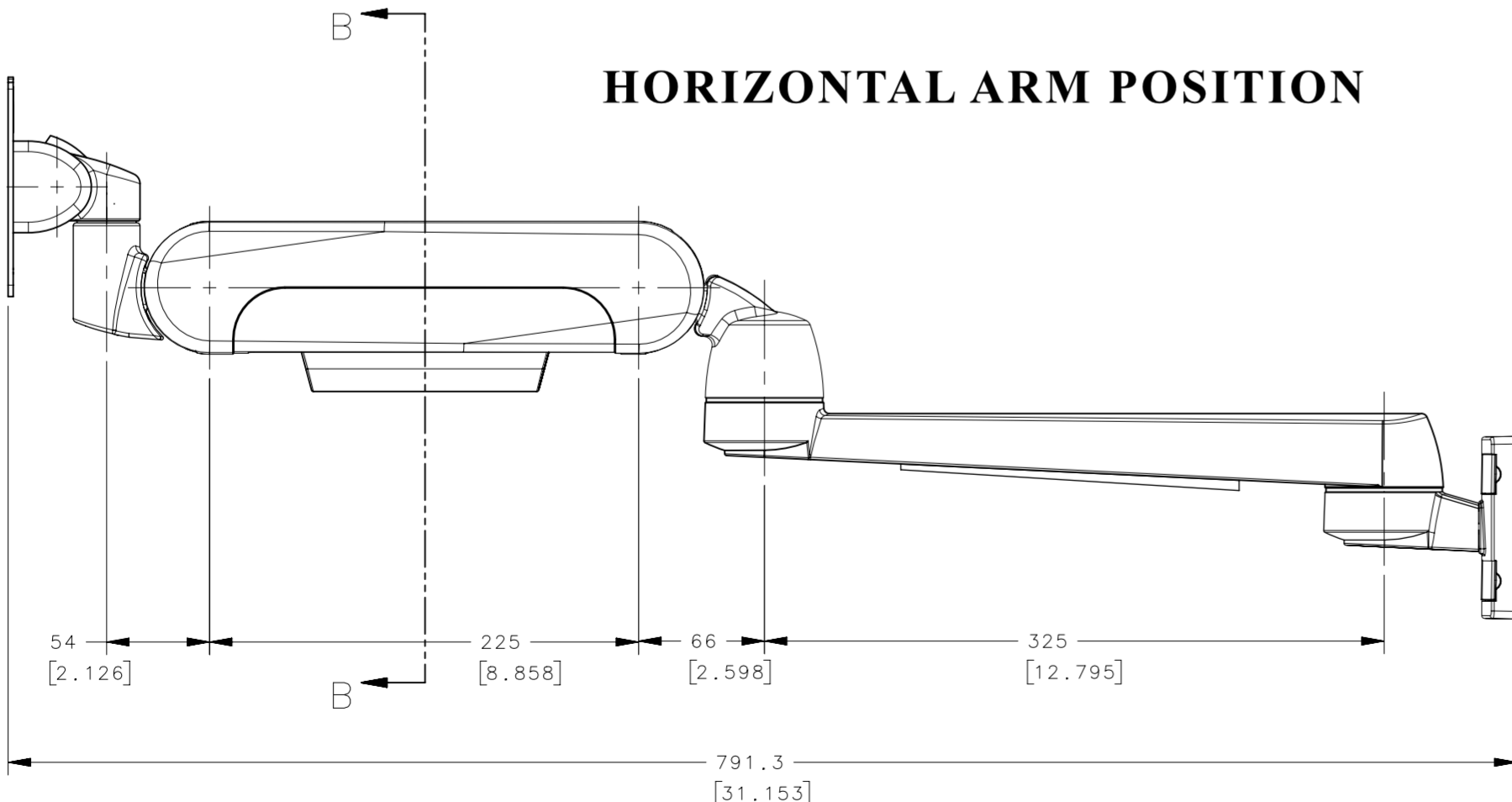
DETAIL A
SCALE 1:1

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



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 ARTICULATING FIXED ARM ASSEMBLY FRONT WALL MOUNT
PROPRIETARY ITEM	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-D32-79W141
	PER ASME Y14.5M-1994	DRAWN BY CBI/DMS	DATE 24MAY2018
		SCALE 1:1	SHEET 2 OF 4

8

7

6

5

4

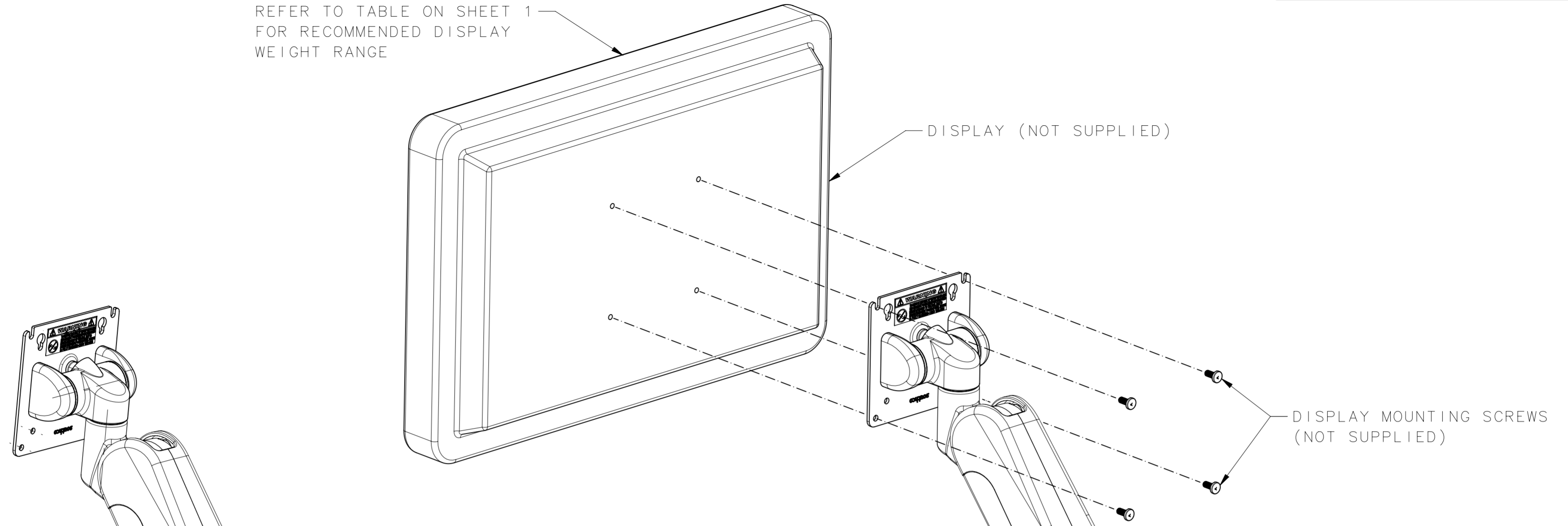
3

2

1

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
C	12JUN2020	GEA/DMS	PRN: P2020-1029

REFER TO TABLE ON SHEET 1 FOR RECOMMENDED DISPLAY WEIGHT RANGE

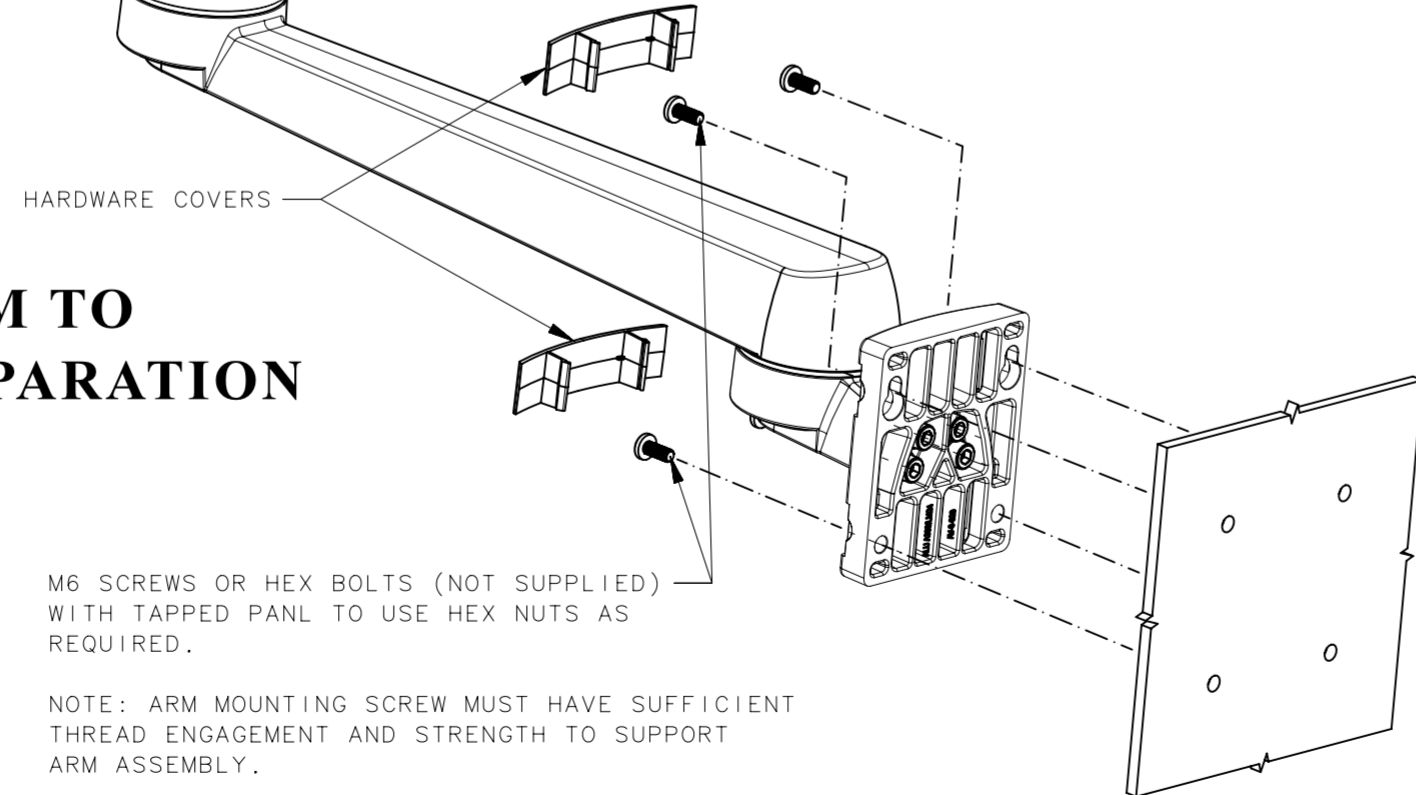


INSTALL DISPLAY WITH THE ARM IN THE HIGHEST POSITION

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



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

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

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.

	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 ARTICULATING FIXED ARM ASSEMBLY FRONT WALL MOUNT
PROPRIETARY ITEM	PER ASME Y14.5M-1994	SIZE SYSTEM	A2 NX
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	DATE	DWG NO. J-AV-D32-79W141
	CBI/DMS	24MAY2018	SCALE 0.35:1 SHEET 3 OF 4

8

7

6

5

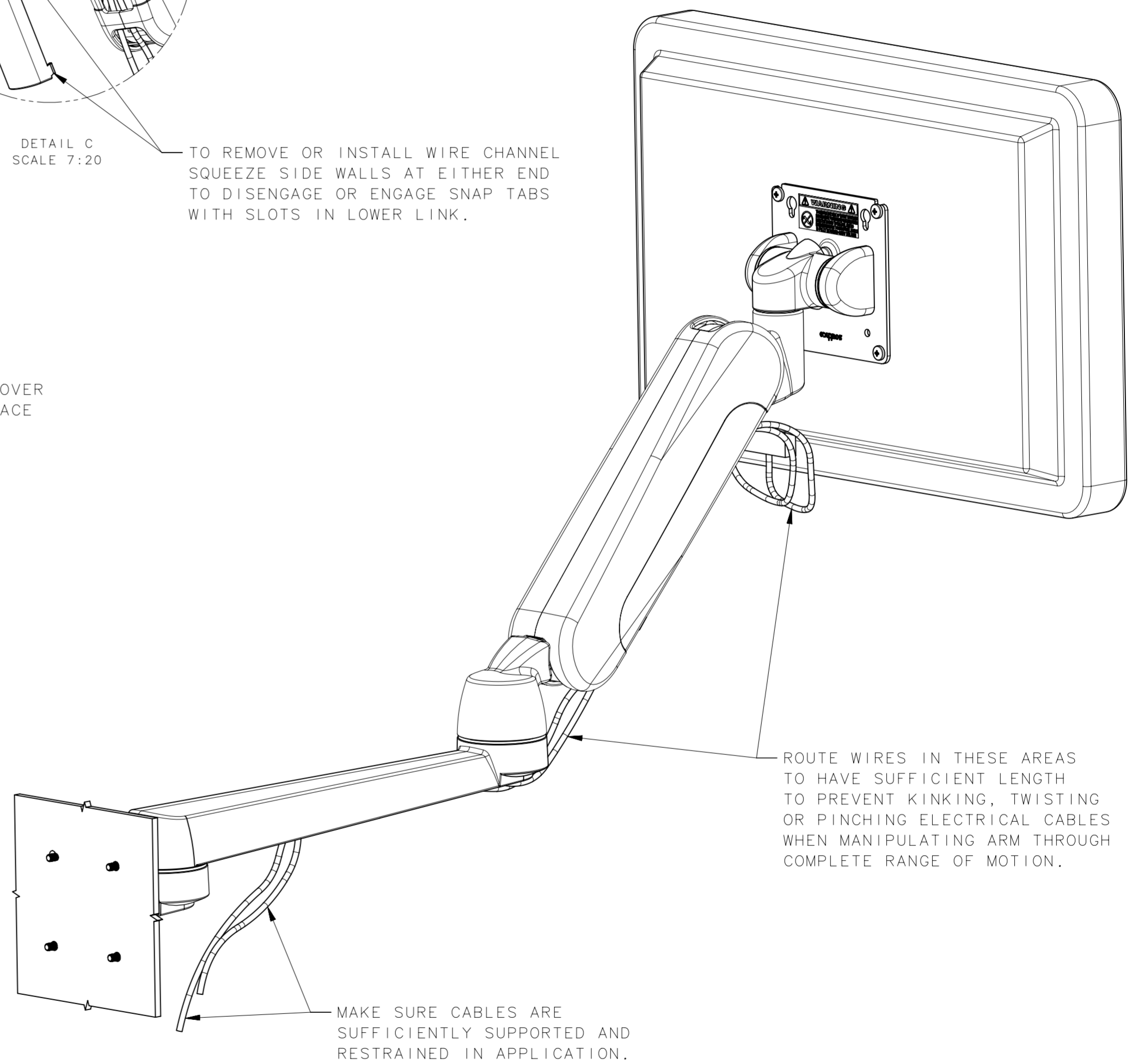
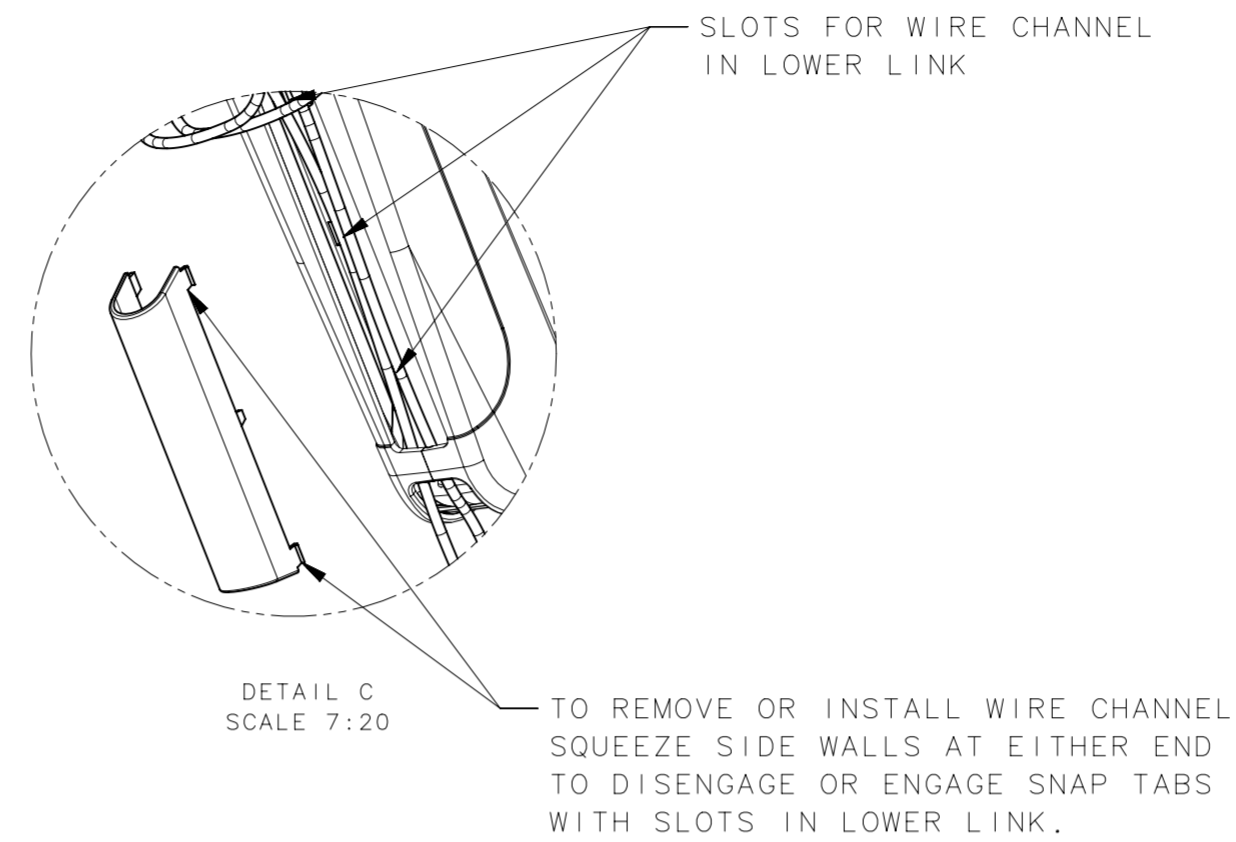
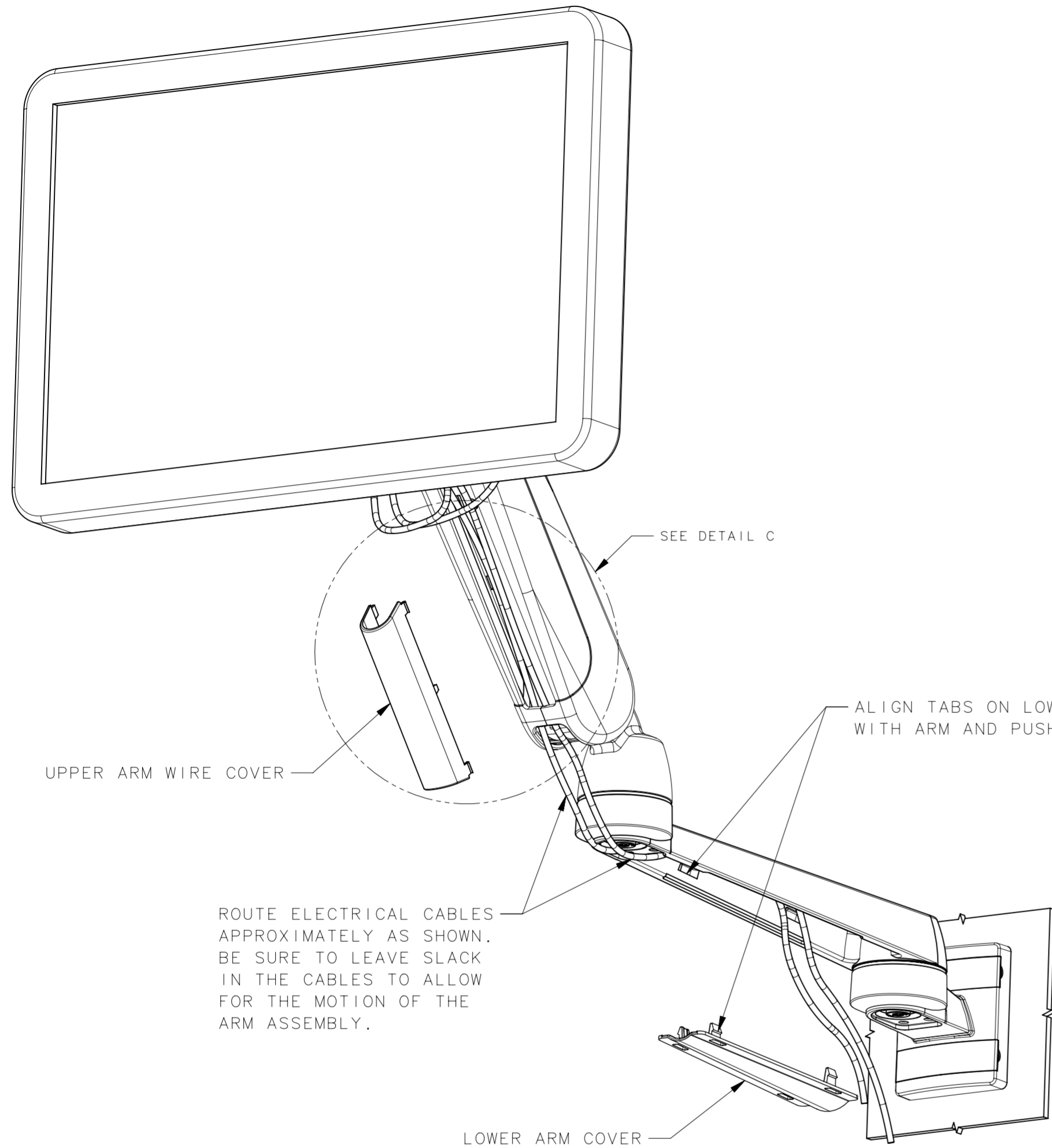
4

3

2

1

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
C	12JUN2020	GEA/DMS	PRN: P2020-1029



THIRD ANGLE PROJECTION		southco CONNECT · CREATE · INNOVATE	
MILLIMETERS [IN]			
SURFACE AREA		DESCRIPTION	
VOLUME		HINGE & CONTROLLED MOTION DEVICE	
PROPRIETARY ITEM		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	DWG NO.
PER ASME Y14.5M-1994		A2 NX	J-AV-D32-79W141
		DRAWN BY	DATE
		CBI/DMS	24MAY2018
		SCALE	SHEET
		0.35:1	4 OF 4

8

7

6

5

4

3

2

1