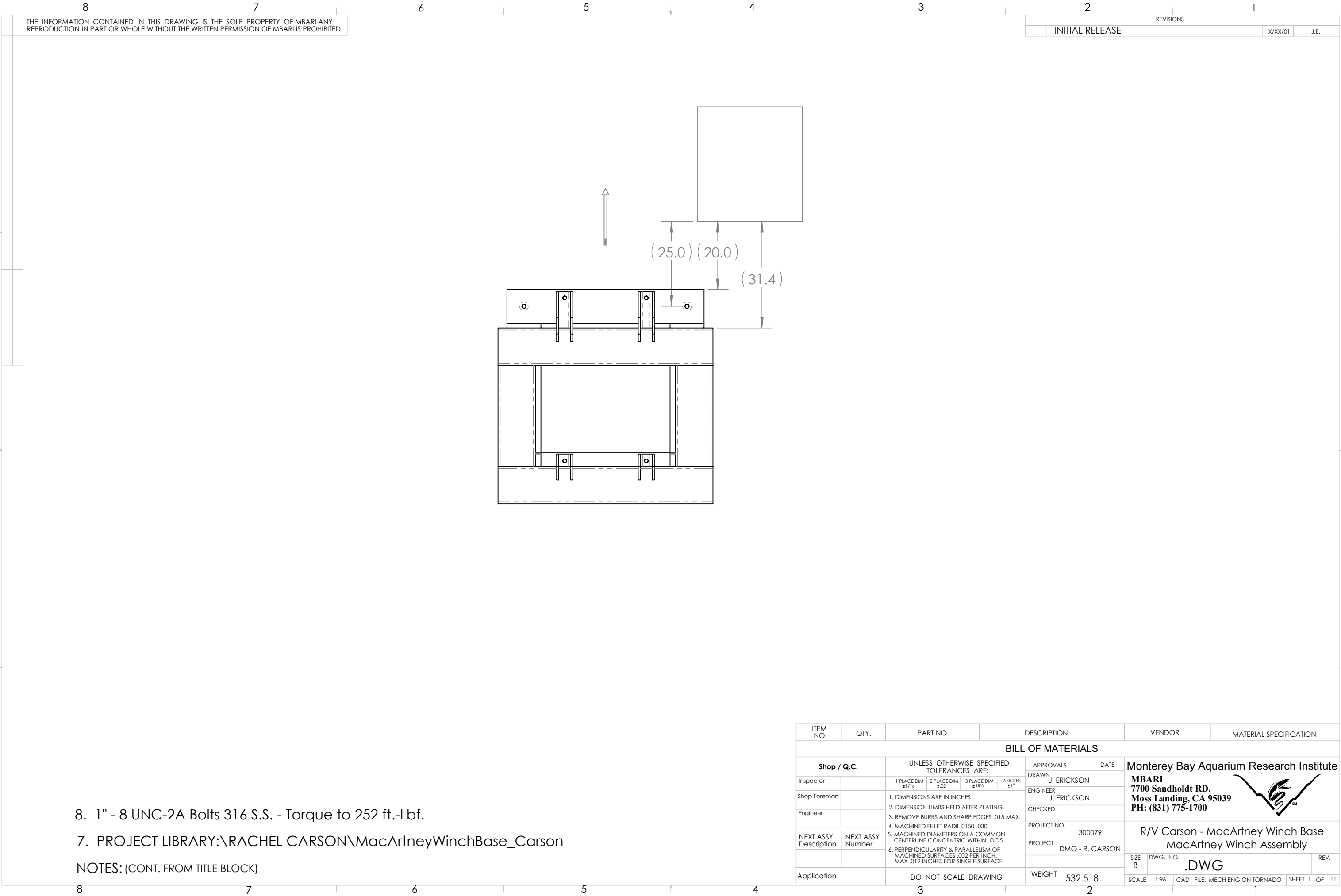
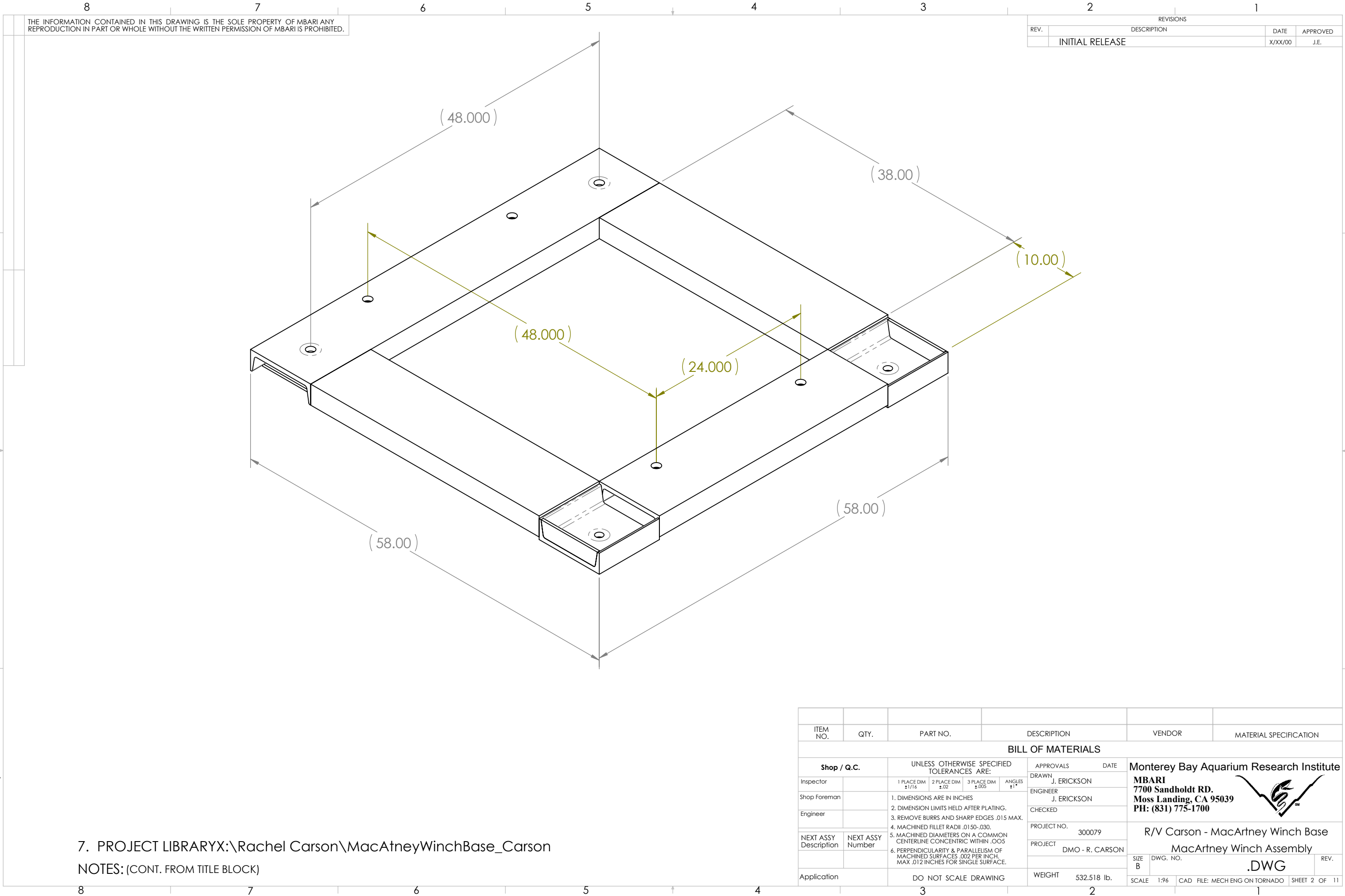
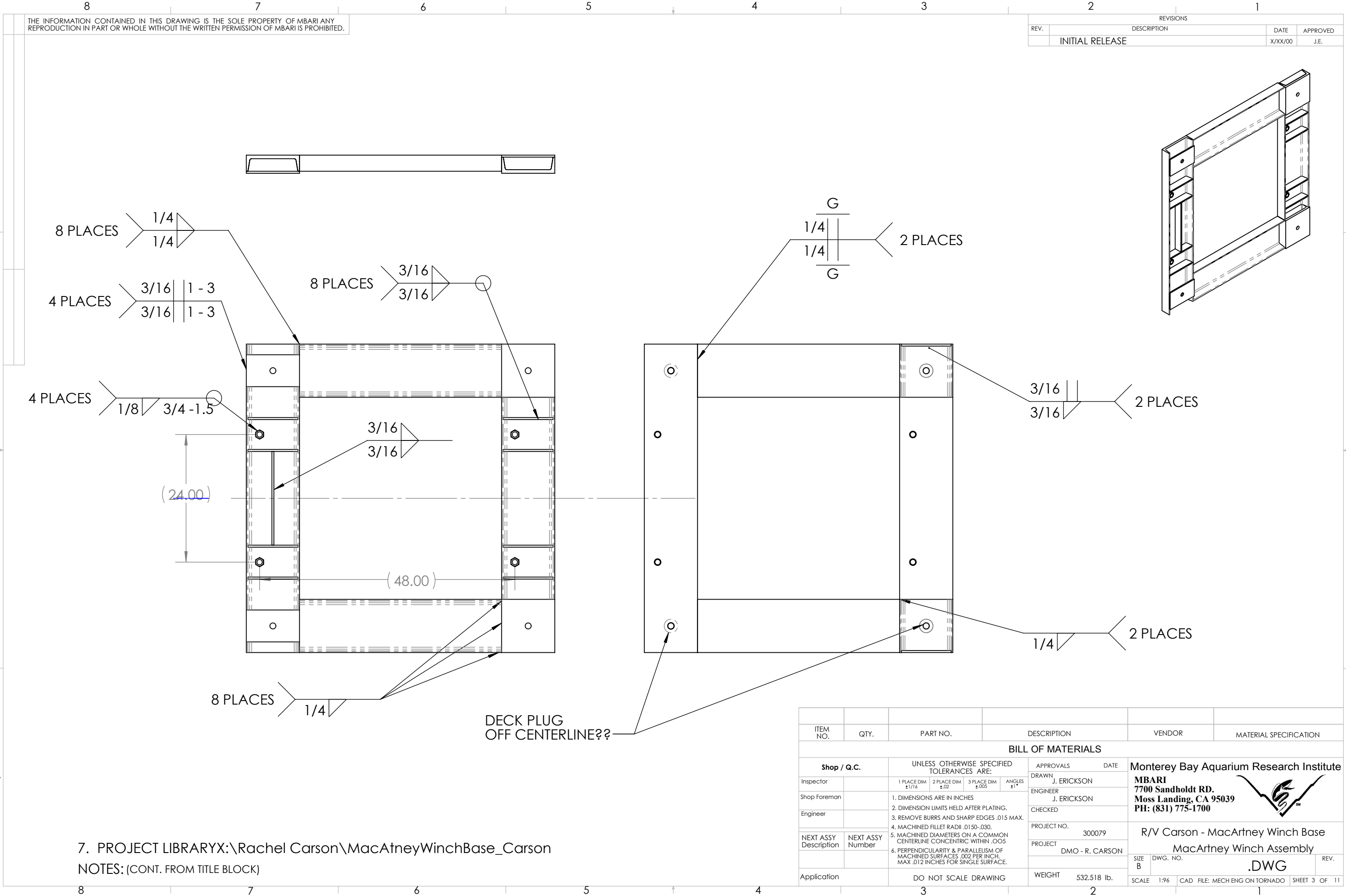






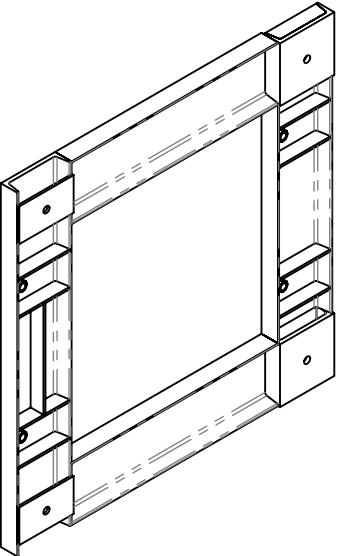
7. PROJECT LIBRARYX:\Rachel Carson\MacAtneyWinchBase_Carson

NOTES: (CONT. FROM TITLE BLOCK)



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

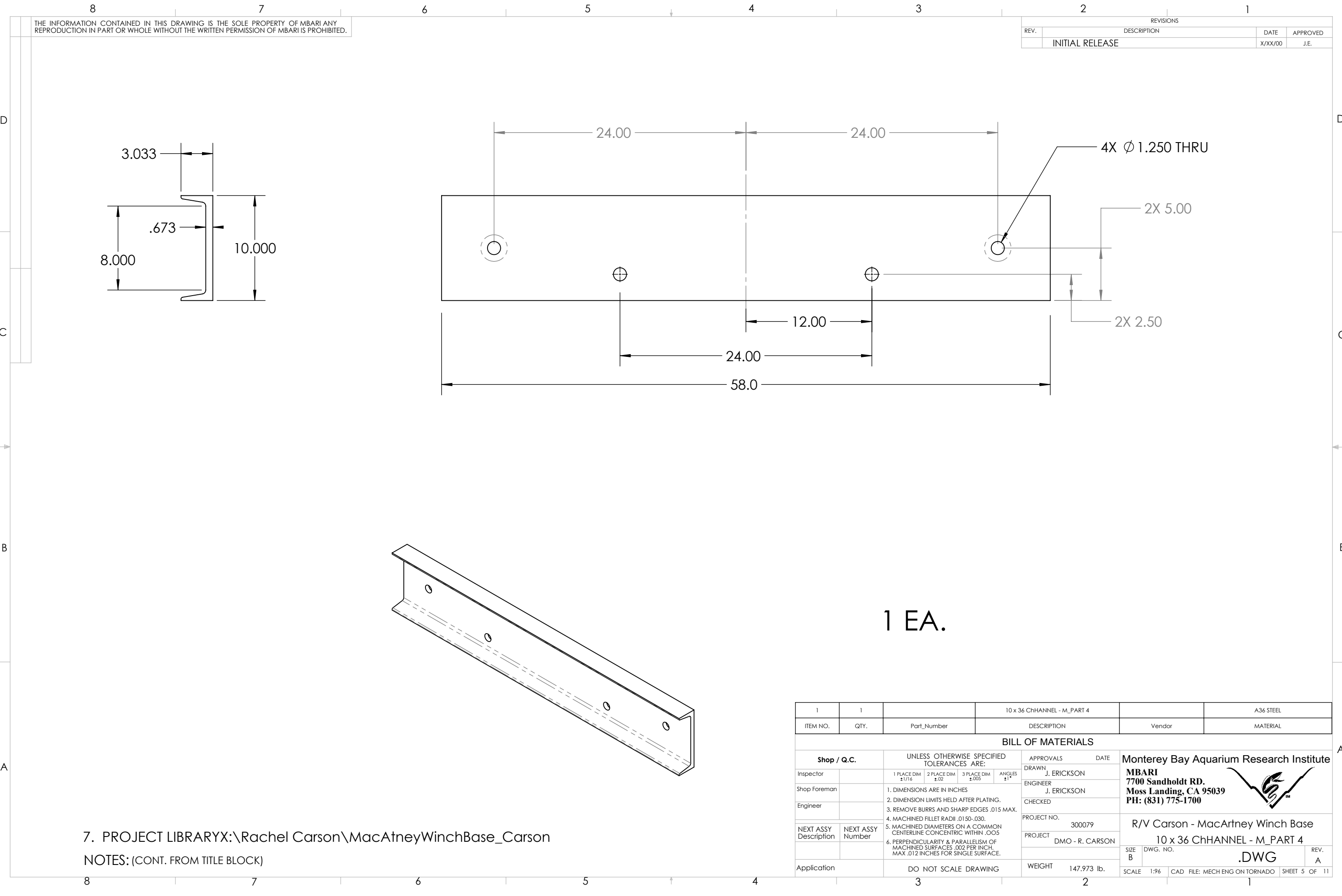


ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES		DRAWN J. ERICKSON	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		ENGINEER J. ERICKSON	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		CHECKED	
NEXT ASSY Description	NEXT ASSY Number	4. MACHINED FILLET RADII .0150-.030.		PROJECT NO. 300079	R/V Carson - MacArtney Winch Base MacArtney Winch Assembly
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT DMO - R. CARSON	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			
Application		DO NOT SCALE DRAWING		WEIGHT 532.518 lb.	SCALE 1:96 CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 11

7. PROJECT LIBRARYX:\Rachel Carson\MacArtneyWinchBase_Carson
NOTES: (CONT. FROM TITLE BLOCK)

NOTES: (CONT. FROM TITLE BLOCK)

BILL OF MATERIALS											
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON				
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	J. ERICKSON				
Engineer						CHECKED					
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	300079	R/V Carson - MacArtney Winch Base			
						PROJECT	DMO - R. CARSON	MacArtney Winch Assembly			
Application		DO NOT SCALE DRAWING				WEIGHT	532.518 lb.	SIZE B	DWG. NO.	.DWG	REV.
								SCALE 1:96	CAD FILE: MECH ENG ON TORNADO SHEET 4 OF 11		



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4X Ø 1.250 THRU

2X 5.00

2X 2.50

1 EA.

Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700

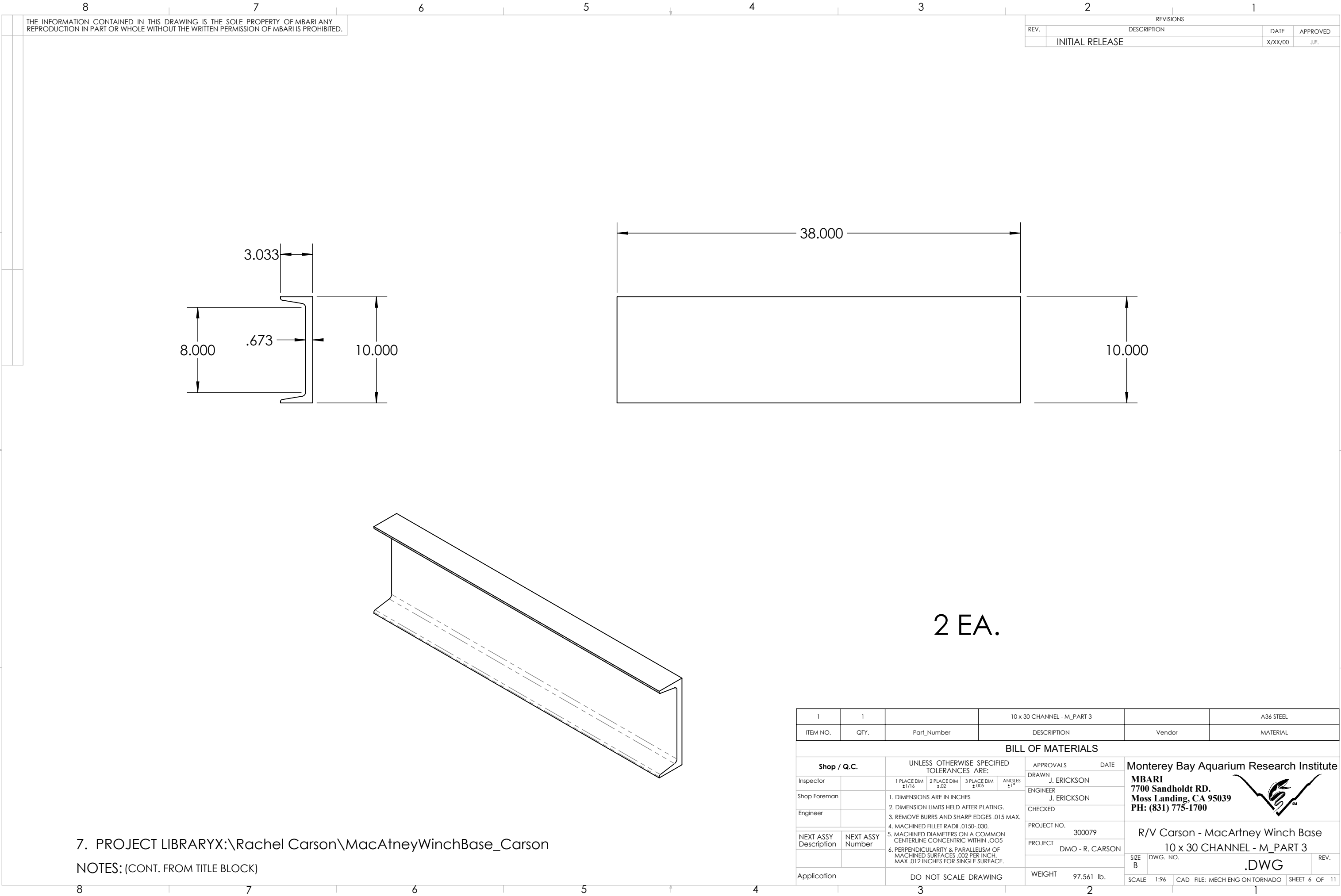
R/V Carson - MacArtney Winch Base
10 x 36 ChCHANNEL - M_PART 4

SIZE B DWG. NO. .DWG REV. A

SCALE 1:96 CAD FILE: MECH ENG ON TORNADO SHEET 5 OF 11

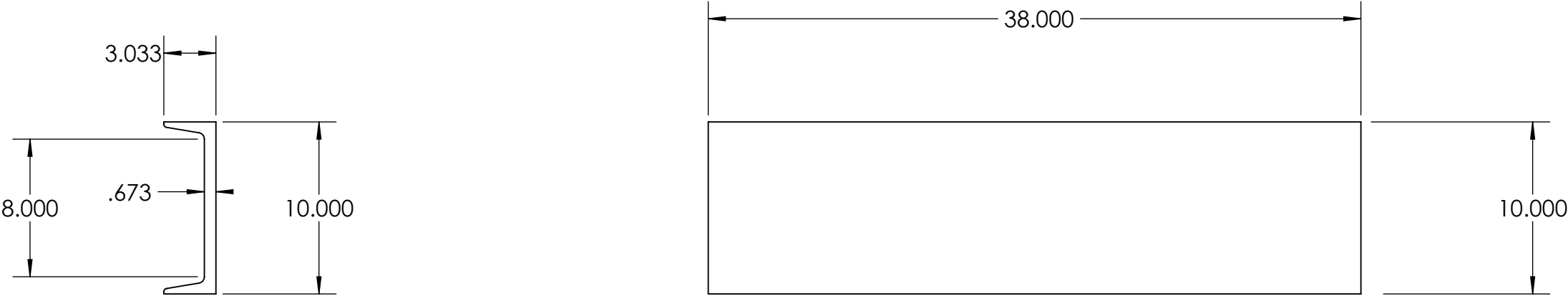
7. PROJECT LIBRARYX:\Rachel Carson\MacAtneyWinchBase_Carson

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	INITIAL RELEASE	X/XX/00	J.E.



2 EA.

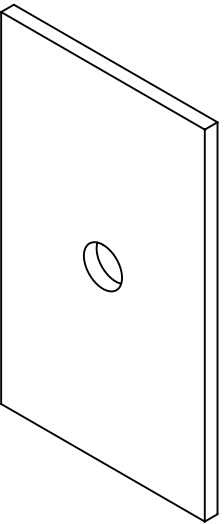
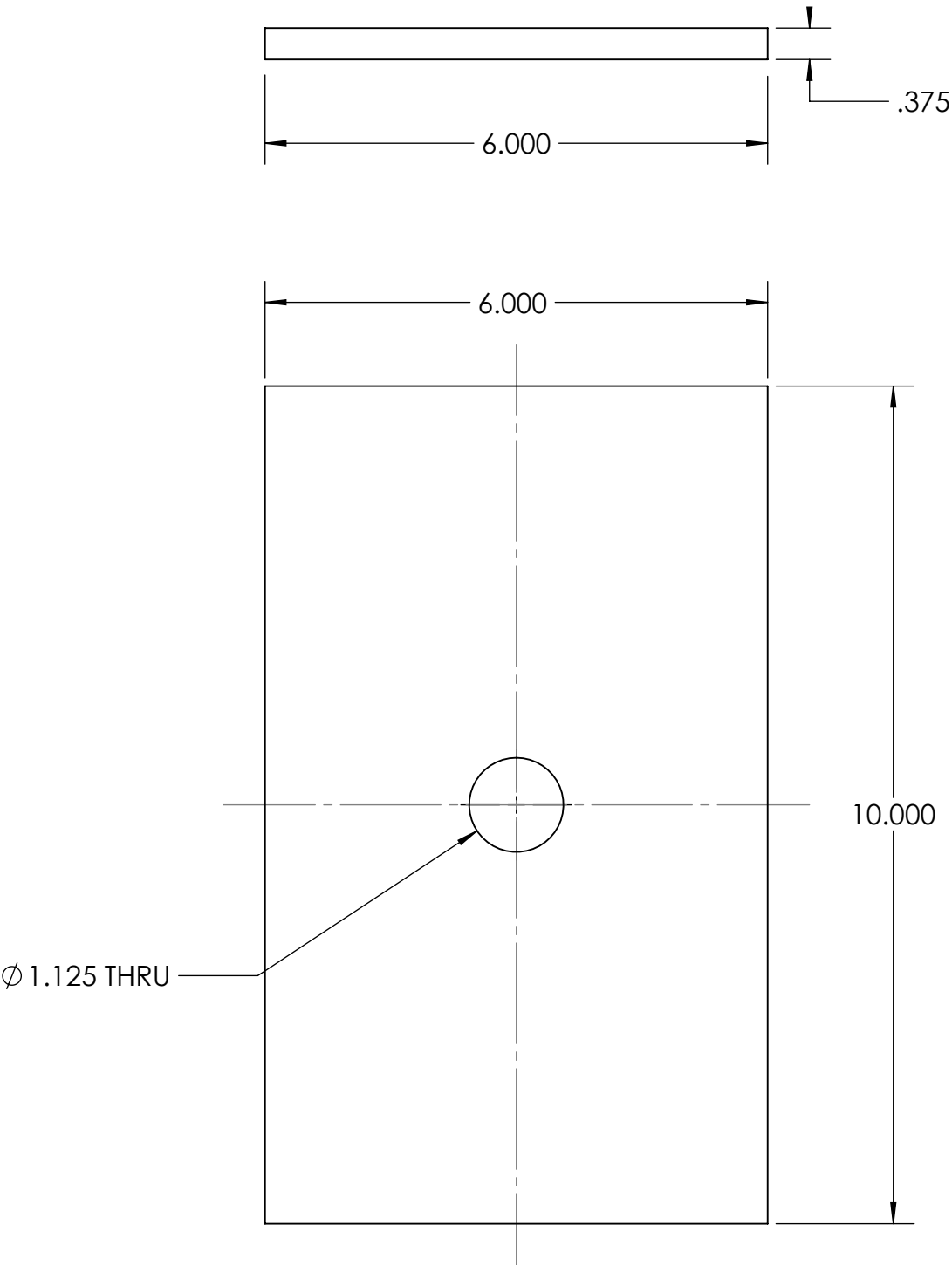
1	1	Part_Number	10 x 30 CHANNEL - M_PART 3	Vendor	A36 STEEL
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Vendor	MATERIAL
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	DRAWN J. ERICKSON	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700
Shop Foreman		1. DIMENSIONS ARE IN INCHES	3 PLACE DIM ±.005	ENGINEER J. ERICKSON	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.	ANGLES ±1°	CHECKED	
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT NO. 300079	R/V Carson - MacArtney Winch Base 10 x 30 CHANNEL - M_PART 3
		4. MACHINED FILLET RADII .0150-.030.		PROJECT DMO - R. CARSON	
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005			
Application		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		WEIGHT 97.561 lb.	SIZE B DWG. NO. .DWG REV.
		DO NOT SCALE DRAWING		SCALE 1:96	CAD FILE: MECH ENG ON TORNADO SHEET 6 OF 11

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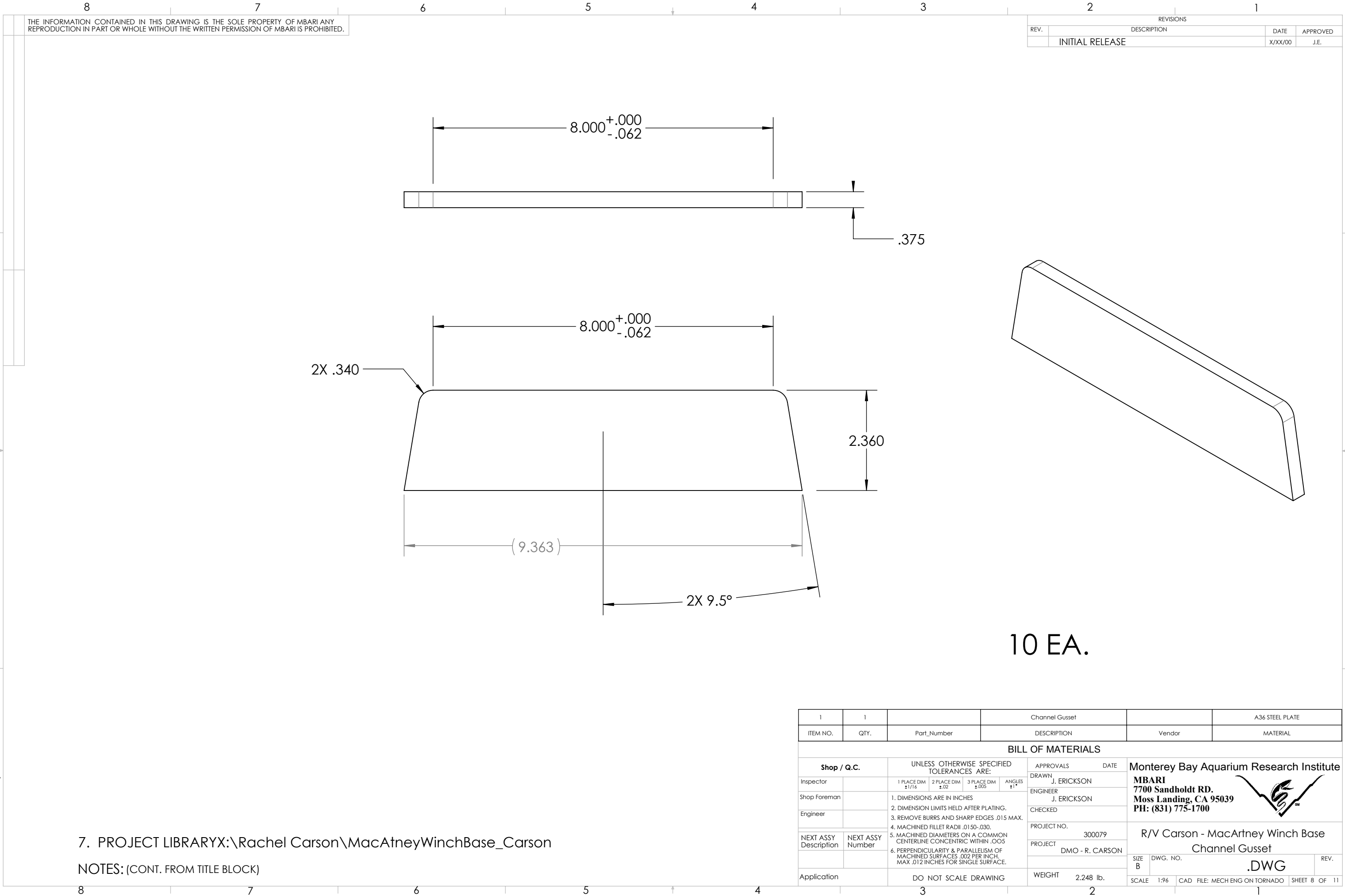
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REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

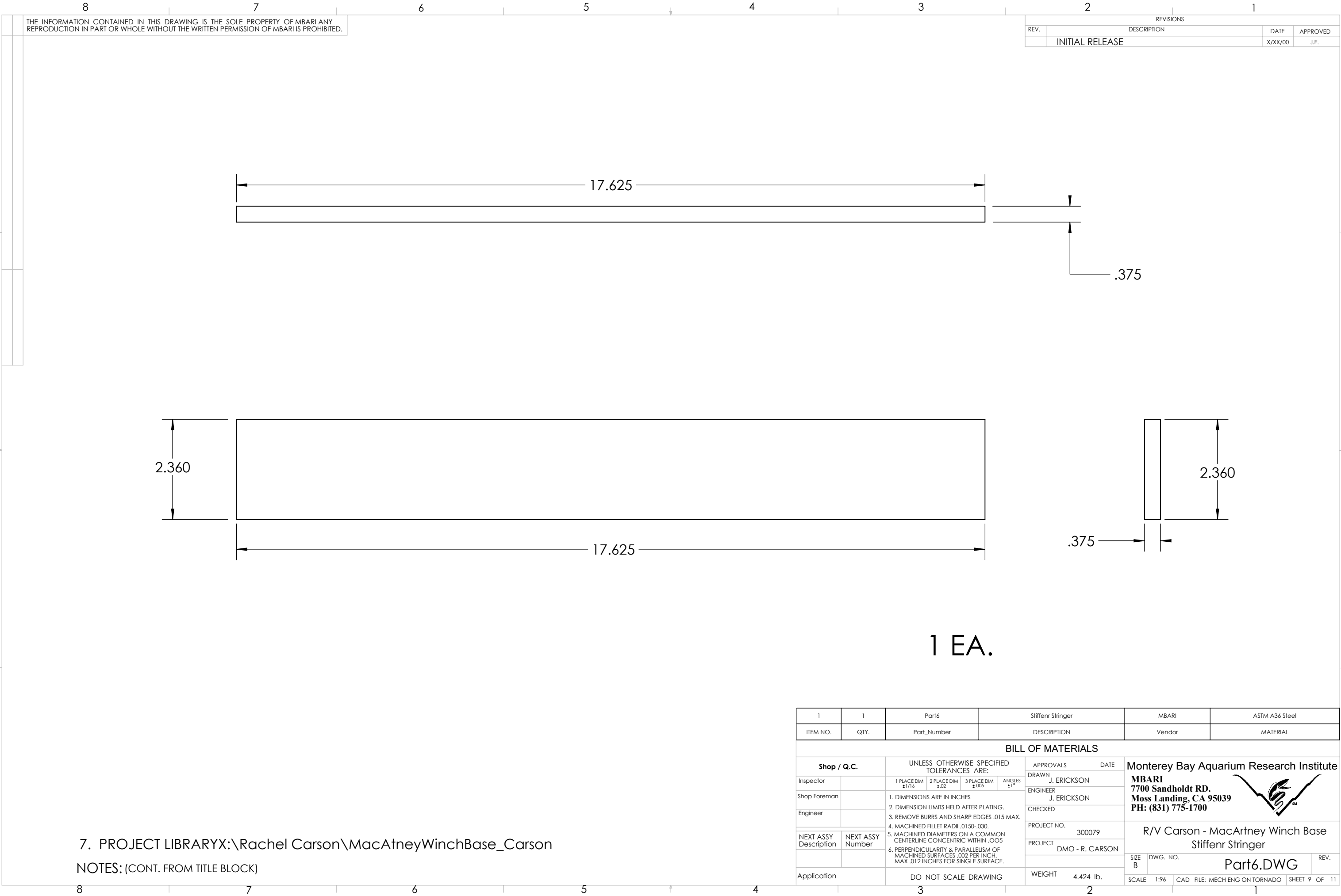


2 EA.

	1		Winch Frame Foot Plate				A36 STEEL
ITEM NO.	QTY.	Part Number	DESCRIPTION			Vendor	MATERIAL

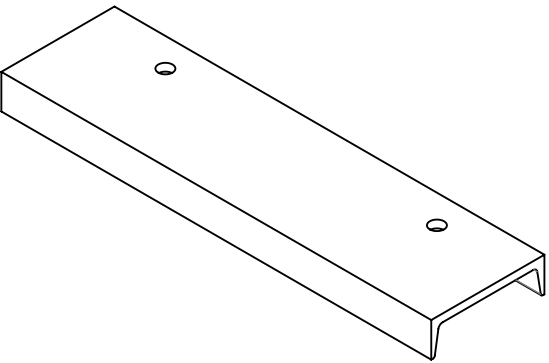
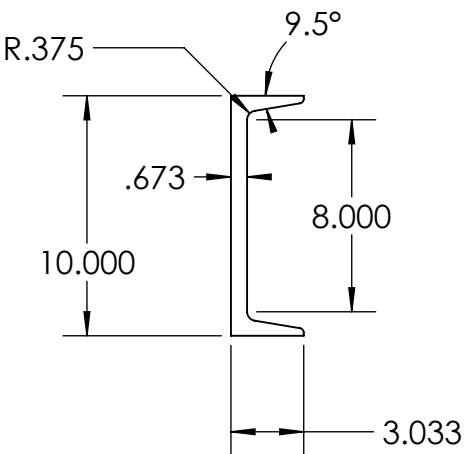
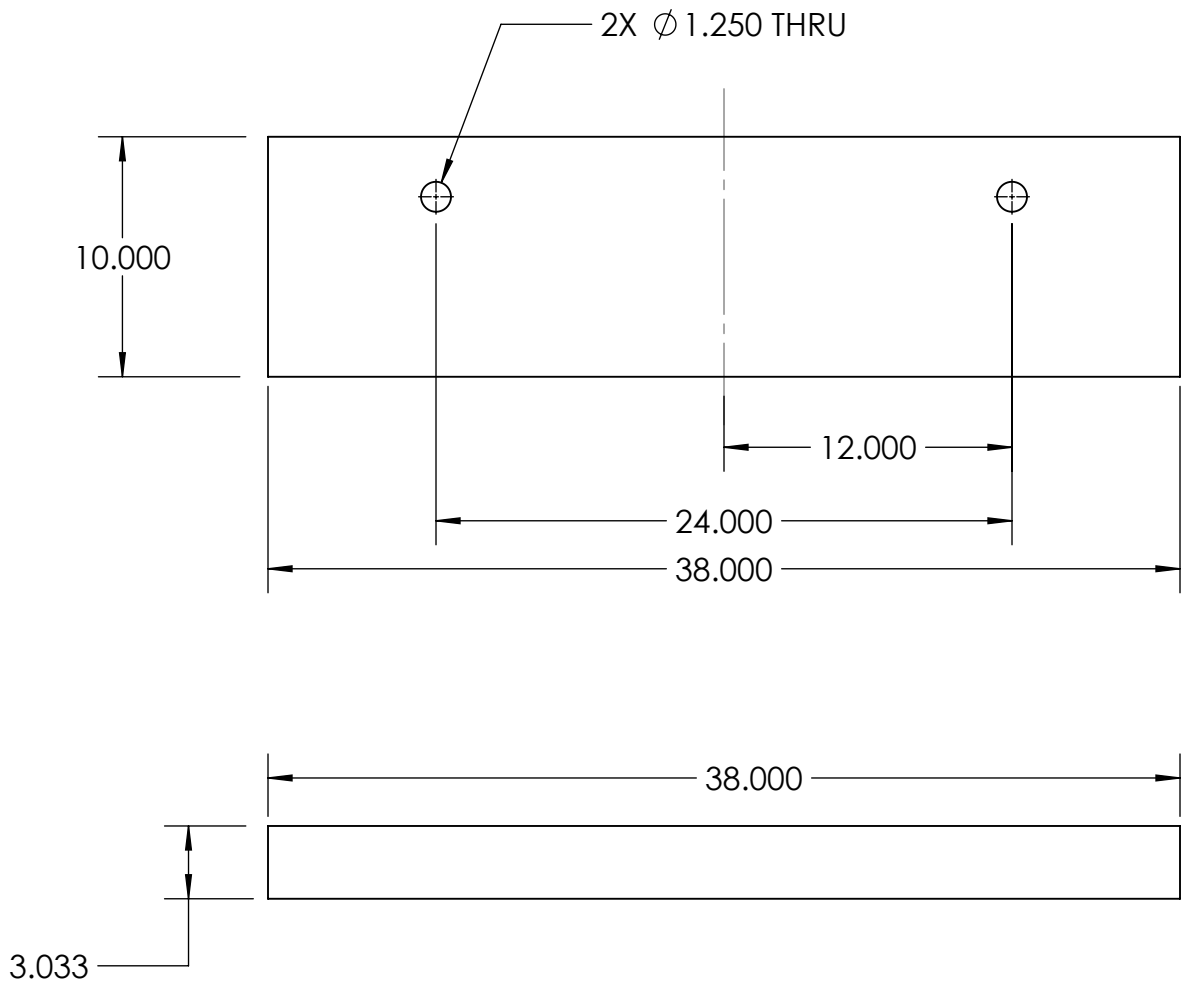
BILL OF MATERIALS							
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS	DATE	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN J. ERICKSON	
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030.				ENGINEER J. ERICKSON	
Engineer						PROJECT NO. 300079	
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX. .012 INCHES FOR SINGLE SURFACE.				PROJECT DMO - R. CARSON	
Application		DO NOT SCALE DRAWING			WEIGHT 6.275 lb.	SIZE B DWG. NO. .DWG REV. SCALE 1:96 CAD FILE: MECH ENG ON TORNADO SHEET 7 OF 11	





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	INITIAL RELEASE	X/XX/00	J.E.



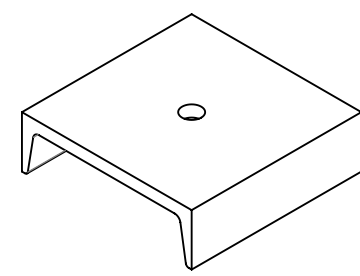
1 EA.

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH MAX .012 INCHES FOR SINGLE SURFACE.			
Engineer					
NEXT ASSY Description	NEXT ASSY Number				
Application		DO NOT SCALE DRAWING		DRAWN J. ERICKSON ENGINEER J. ERICKSON CHECKED PROJECT NO. XXX PROJECT ZZZZZZZZ WEIGHT 97.093 lb.	
				Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
				PROJECT NAME 10 x 36 ChCHANNEL - M_PART	
				SIZE B	DWG. NO.
				.DWG	
				SCALE 1:96	CAD FILE: MECH ENG ON TORNADO
				SHEET 10 OF	11

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	INITIAL RELEASE	X/XX/00	J.E.



2 EA.

[illegible]

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