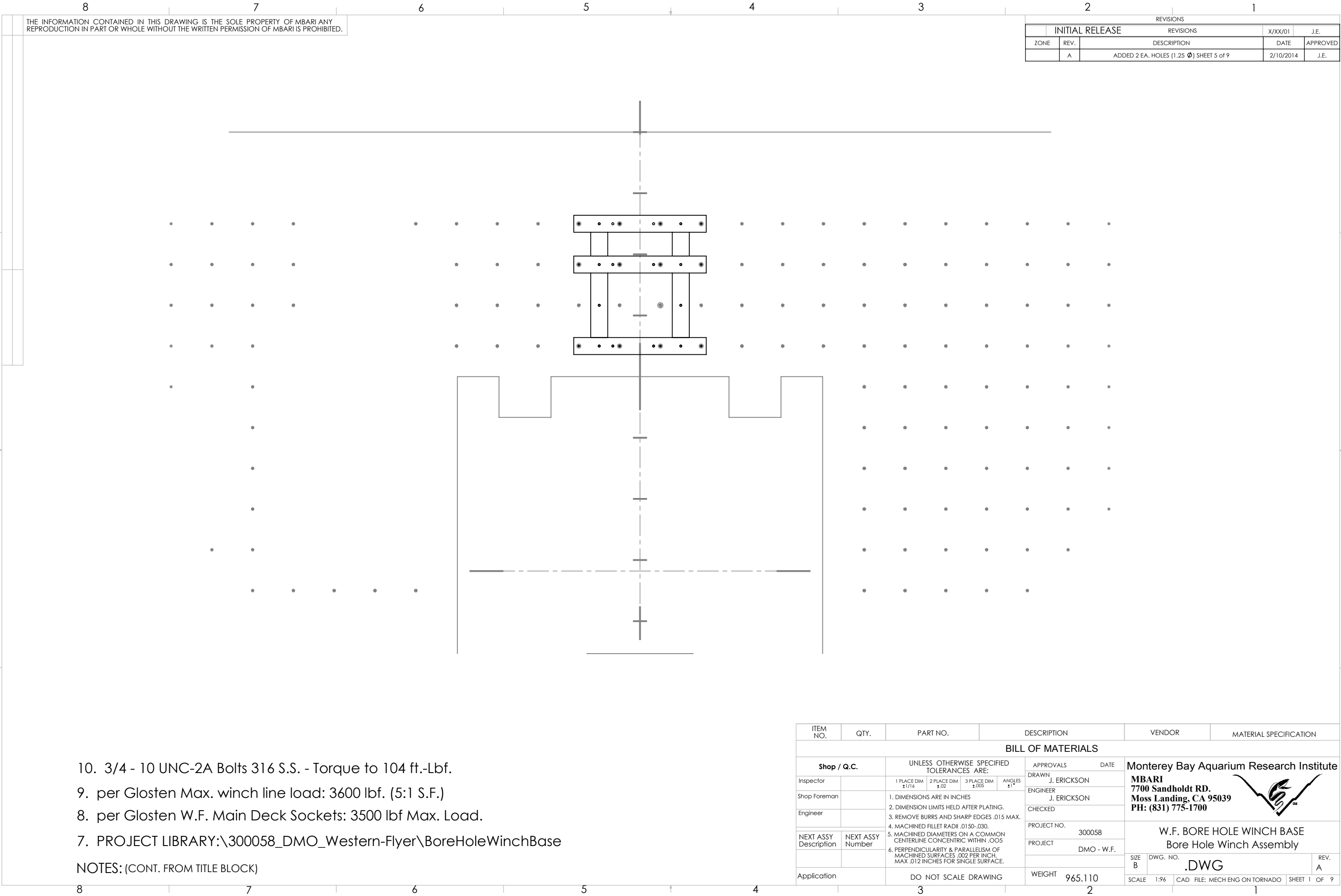
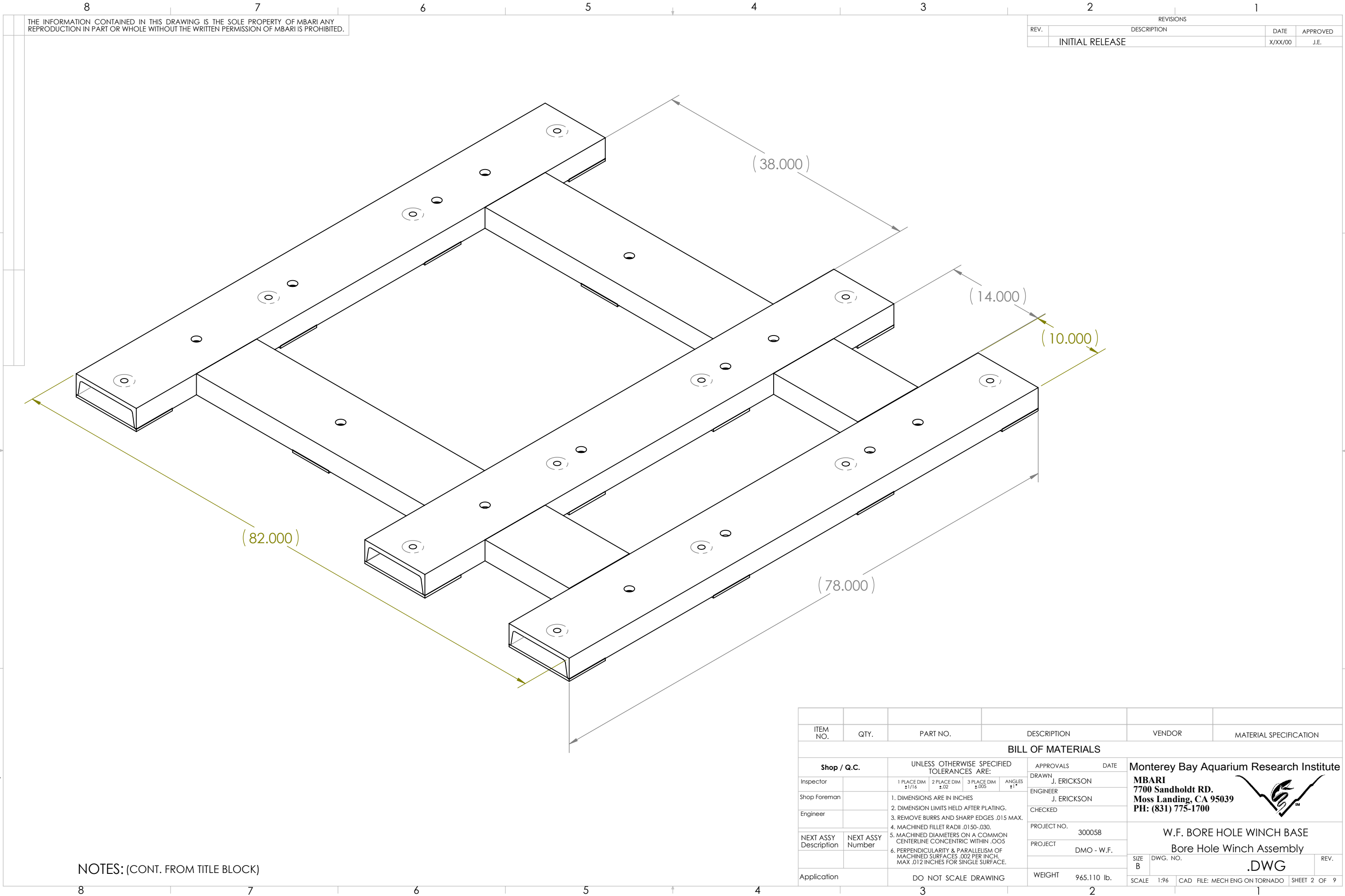






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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

NOTES: (CONT. FROM TITLE BLOCK)

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	DRAWN J. ERICKSON	
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	ENGINEER J. ERICKSON	
Engineer		1. DIMENSIONS ARE IN INCHES		CHECKED	
NEXT ASSY Description	NEXT ASSY Number	2. DIMENSION LIMITS HELD AFTER PLATING.		PROJECT NO.	300058
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT	DMO - W.F.
		4. MACHINED FILLET RADII .0150-.030.		WEIGHT	965.110 lb.
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		SCALE	1:96
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		CAD FILE:	MECH ENG ON TORNADO
Application		DO NOT SCALE DRAWING		SHEET	2 OF 9

Monterey Bay Aquarium Research Institute

MBARI

7700 Sandholdt RD.

Moss Landing, CA 95039

PH: (831) 775-1700



W.F. BORE HOLE WINCH BASE

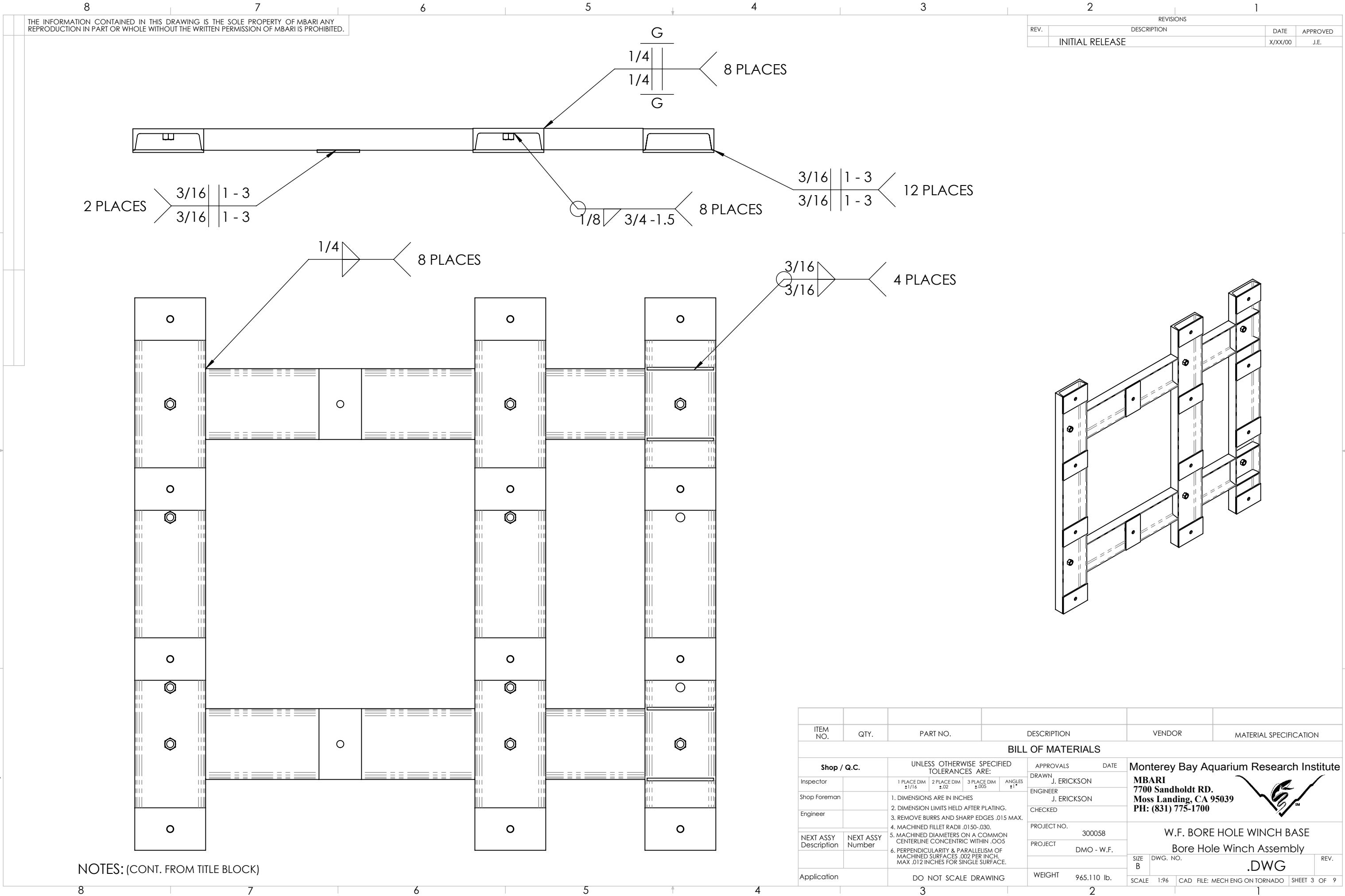
Bore Hole Winch Assembly

SIZE B

DWG. NO.

REV.

.DWG



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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	DRAWN J. ERICKSON	
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	ENGINEER J. ERICKSON	
Engineer		1. DIMENSIONS ARE IN INCHES		CHECKED	
NEXT ASSY Description	NEXT ASSY Number	2. DIMENSION LIMITS HELD AFTER PLATING.		PROJECT NO. 300058	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT DMO - W.F.	
		4. MACHINED FILLET RADII .0150-.030.		WEIGHT 965.110 lb.	
		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.			
Application		DO NOT SCALE DRAWING			

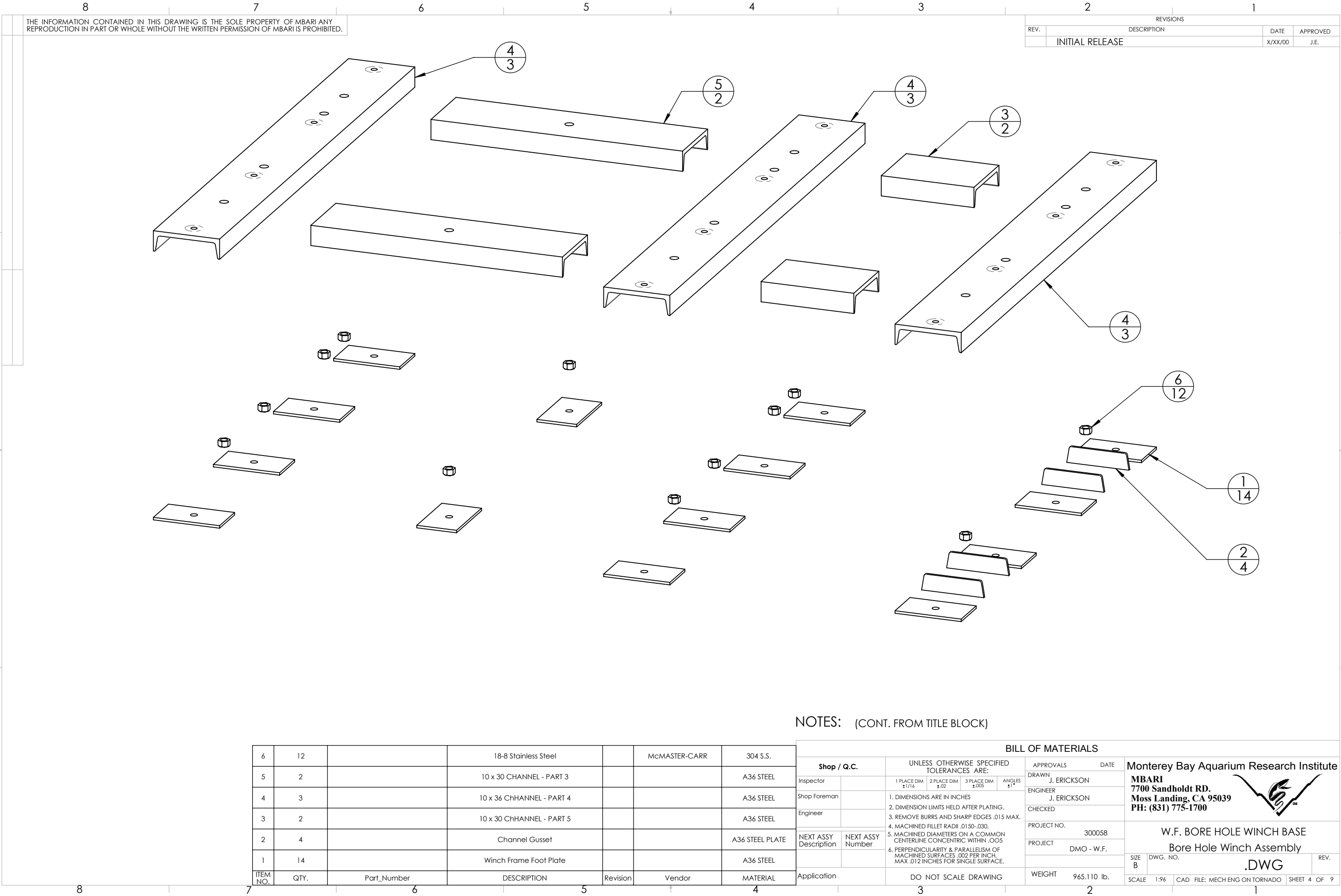
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Moss Landing, CA 95039
PH: (831) 775-1700

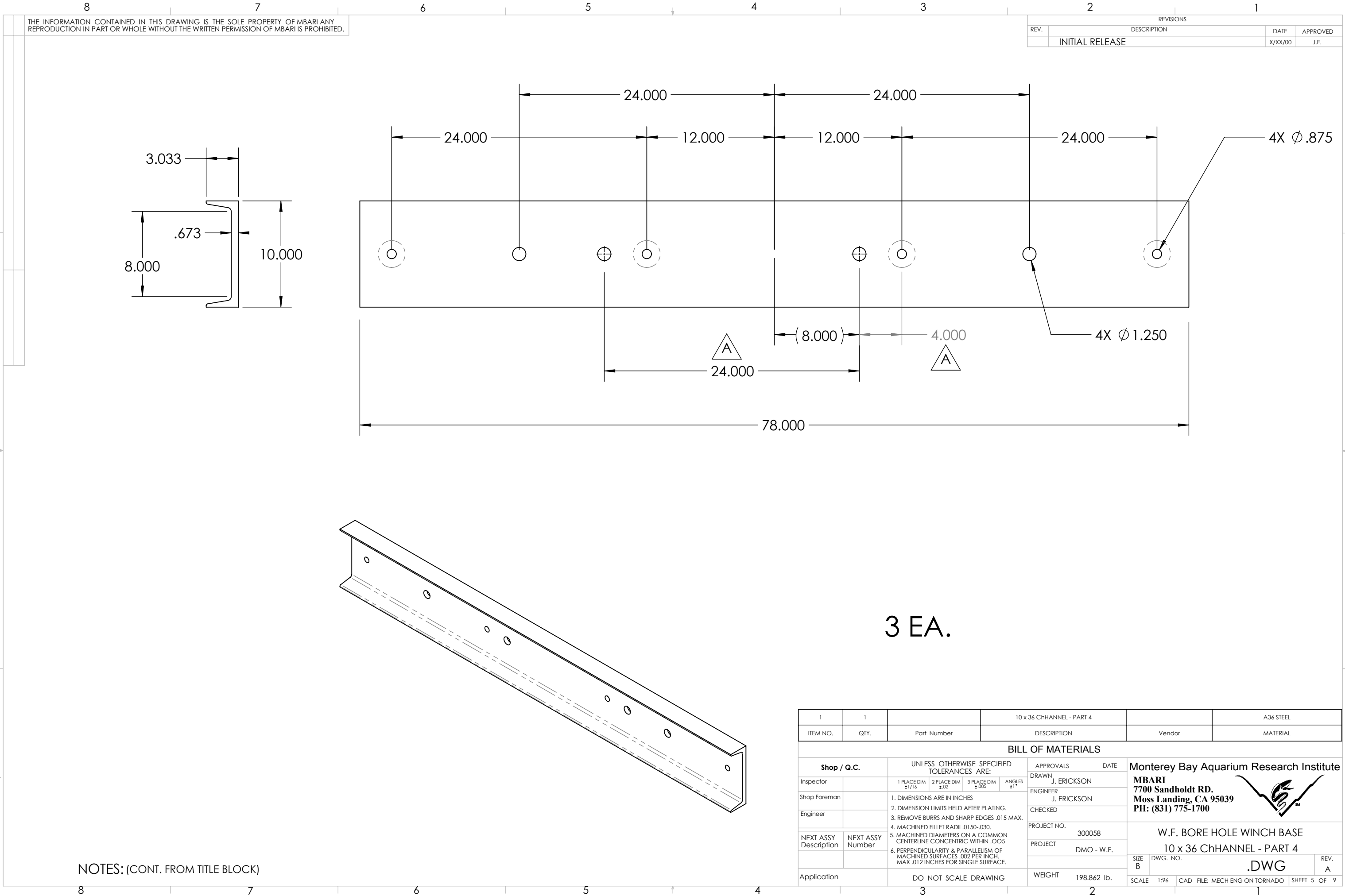


W.F. BORE HOLE WINCH BASE
Bore Hole Winch Assembly

.DWG

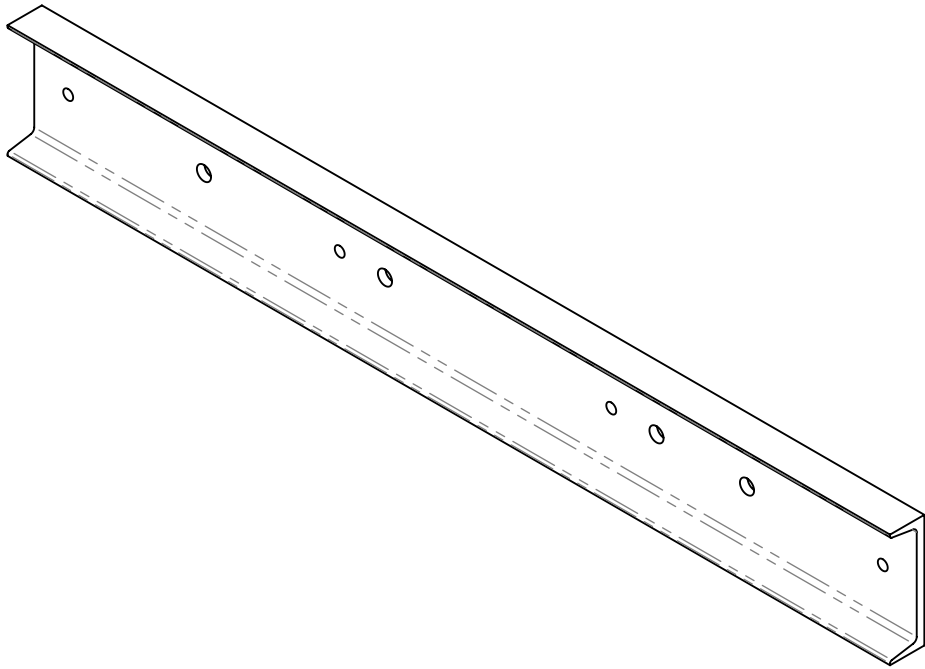
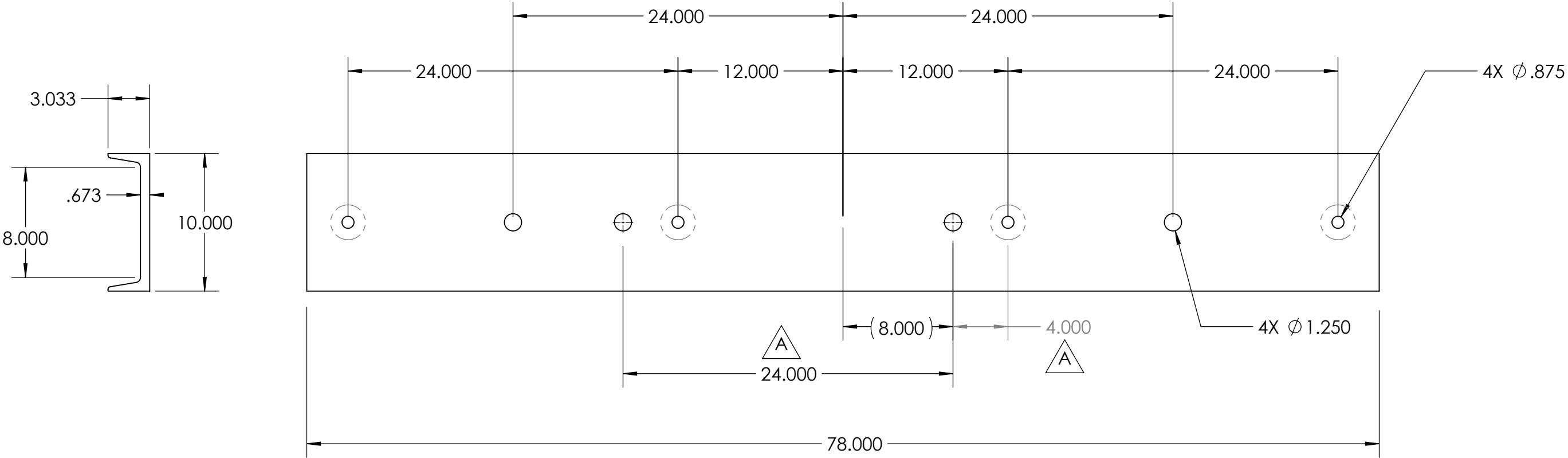
SCALE 1:96 CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 9





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



3 EA.

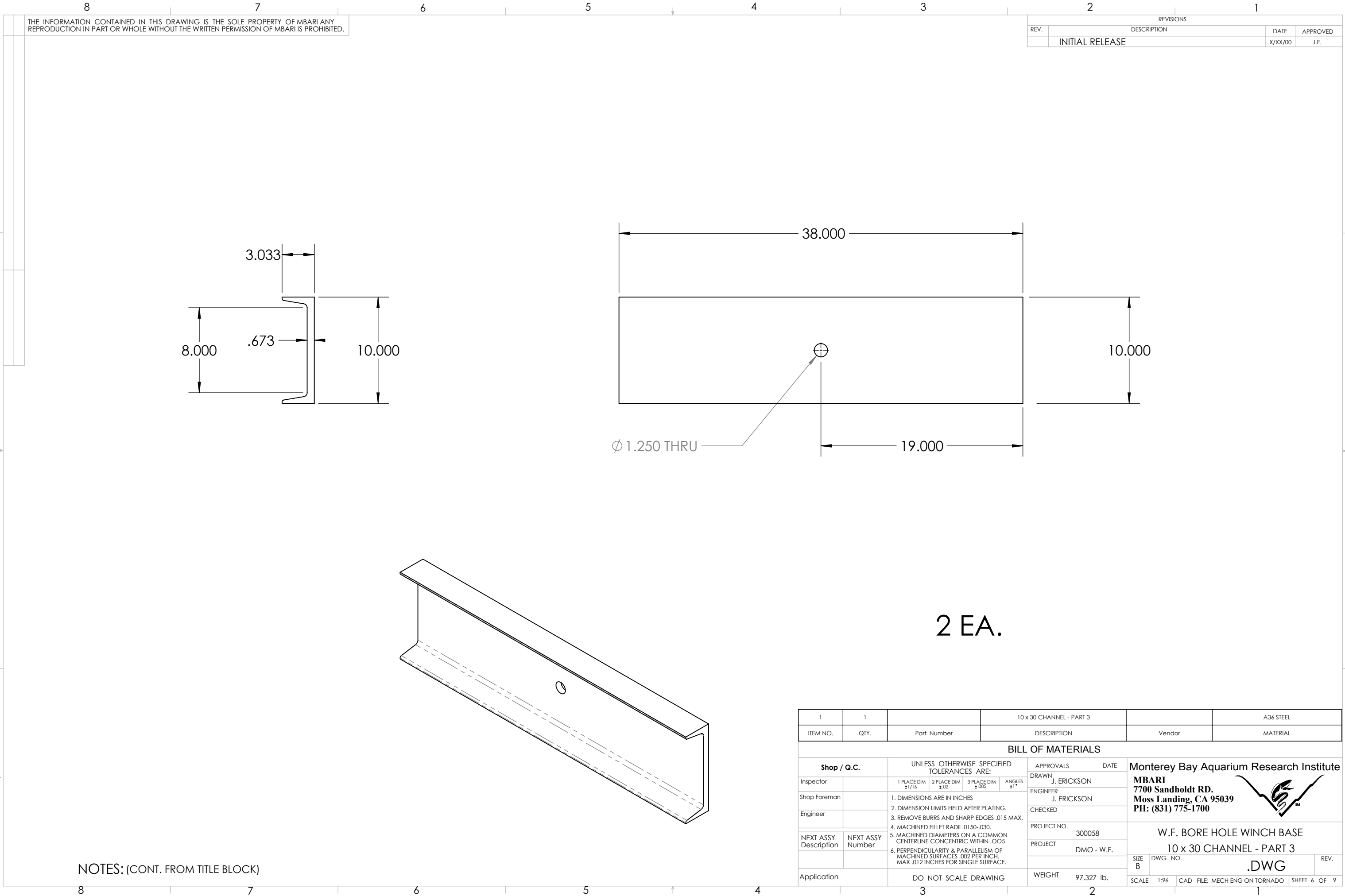
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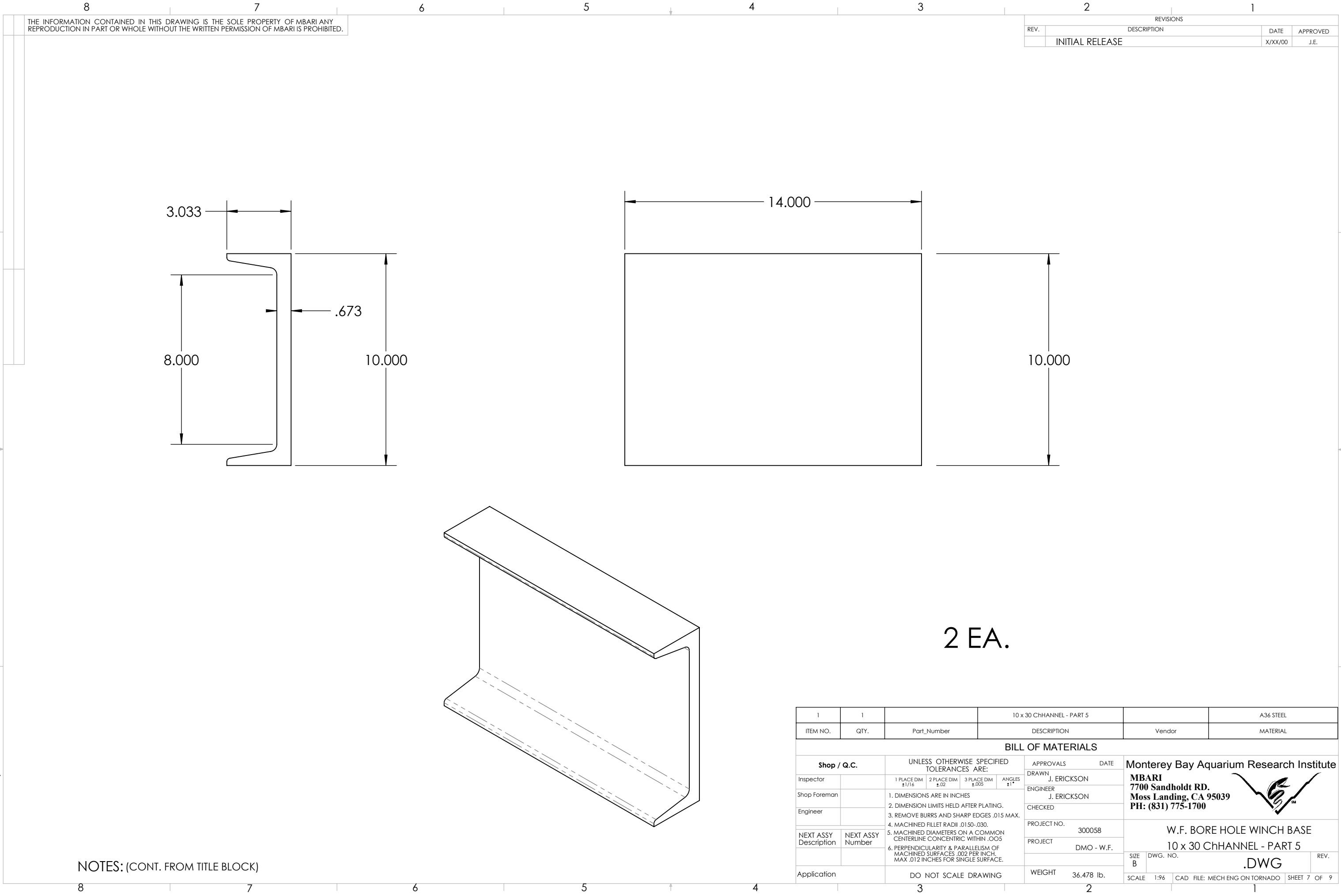
1	1	Part_Number	10 x 36 ChANNEL - PART 4		A36 STEEL
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Vendor	MATERIAL
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$
Shop Foreman		1. DIMENSIONS ARE IN INCHES		DRAWN	J. ERICKSON
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		ENGINEER	J. ERICKSON
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		CHECKED	
		4. MACHINED FILLET RADII .0150-.030.		PROJECT NO.	300058
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT	DMO - W.F.
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		WEIGHT	198.862 lb.
Application		DO NOT SCALE DRAWING		SCALE	1:96
				CAD FILE:	MECH ENG ON TORNADO
				SHEET	5 OF 9

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Moss Landing, CA 95039
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W.F. BORE HOLE WINCH BASE
10 x 36 ChCHANNEL - PART 4
SIZE B DWG. NO. .DWG
REV. A

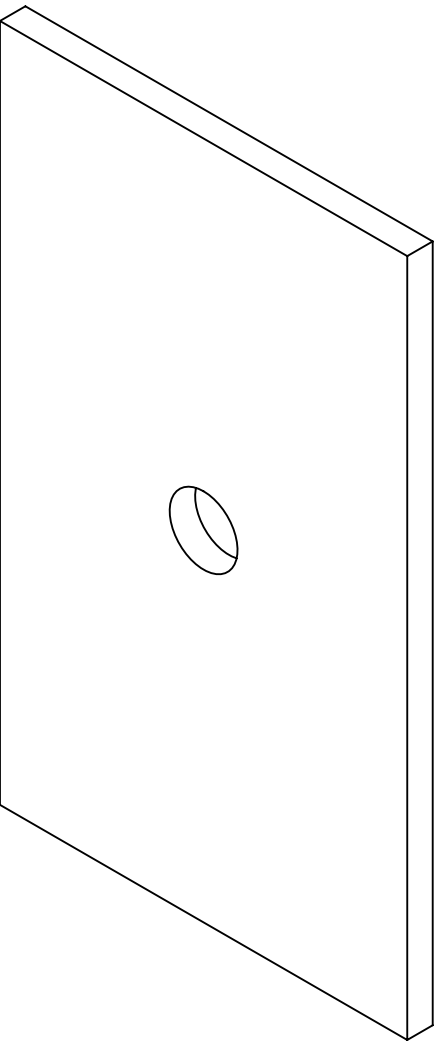
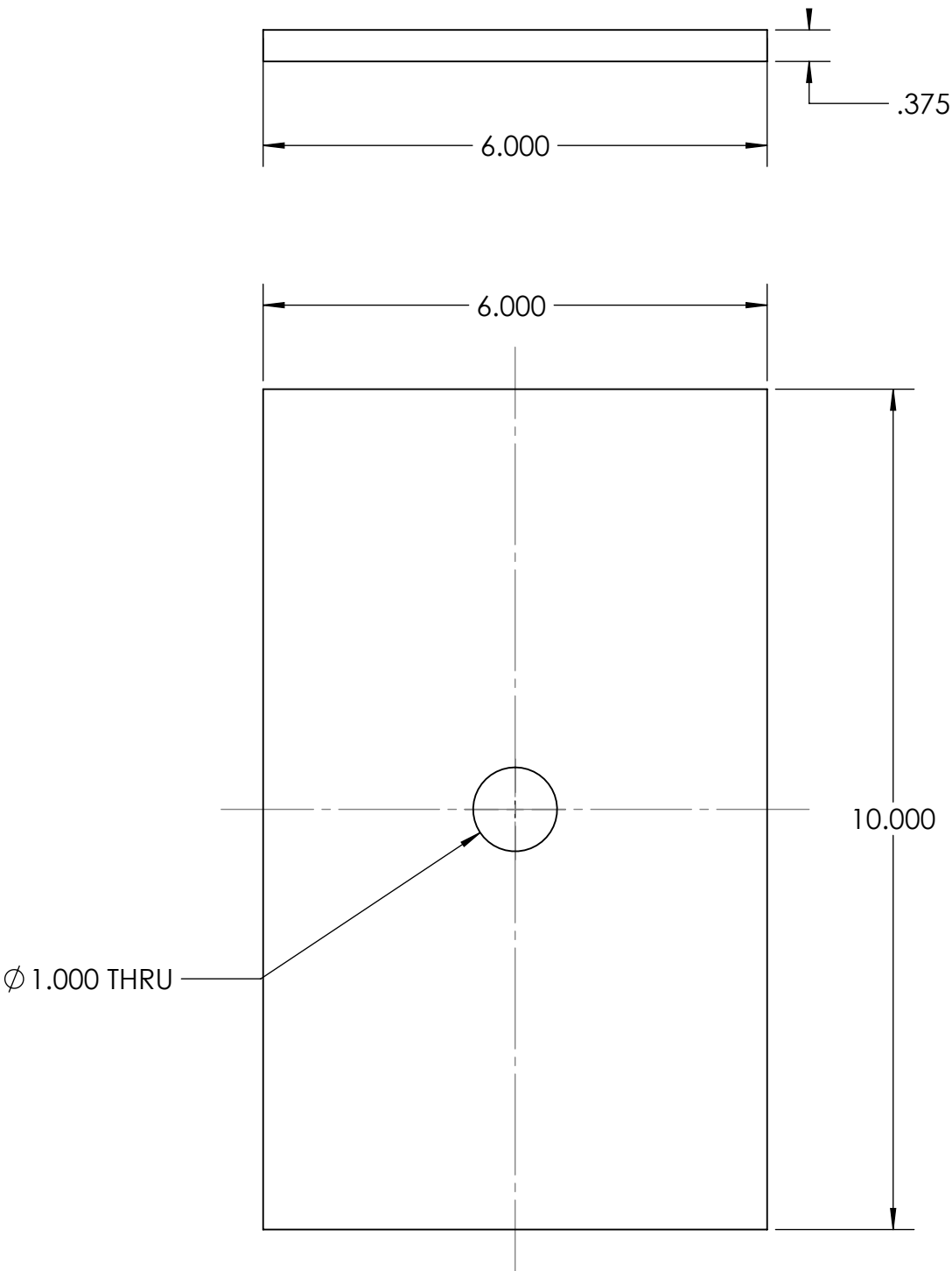




NOTES: (CONT. FROM TITLE BLOCK)

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



14 EA.

1	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		
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN J. ERICKSON ENGINEER J. ERICKSON CHECKED PROJECT NO. 300058 PROJECT DMO - W.F. SIZE B DWG. NO. .DWG SCALE 1:96 CAD FILE: MECH ENG ON TORNADO SHEET 8 OF 9	
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.				Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Engineer						W.F. BORE HOLE WINCH BASE Winch Frame Foot Plate	
NEXT ASSY Description	NEXT ASSY Number						
Application		DO NOT SCALE DRAWING			WEIGHT 6.297 lb.		

