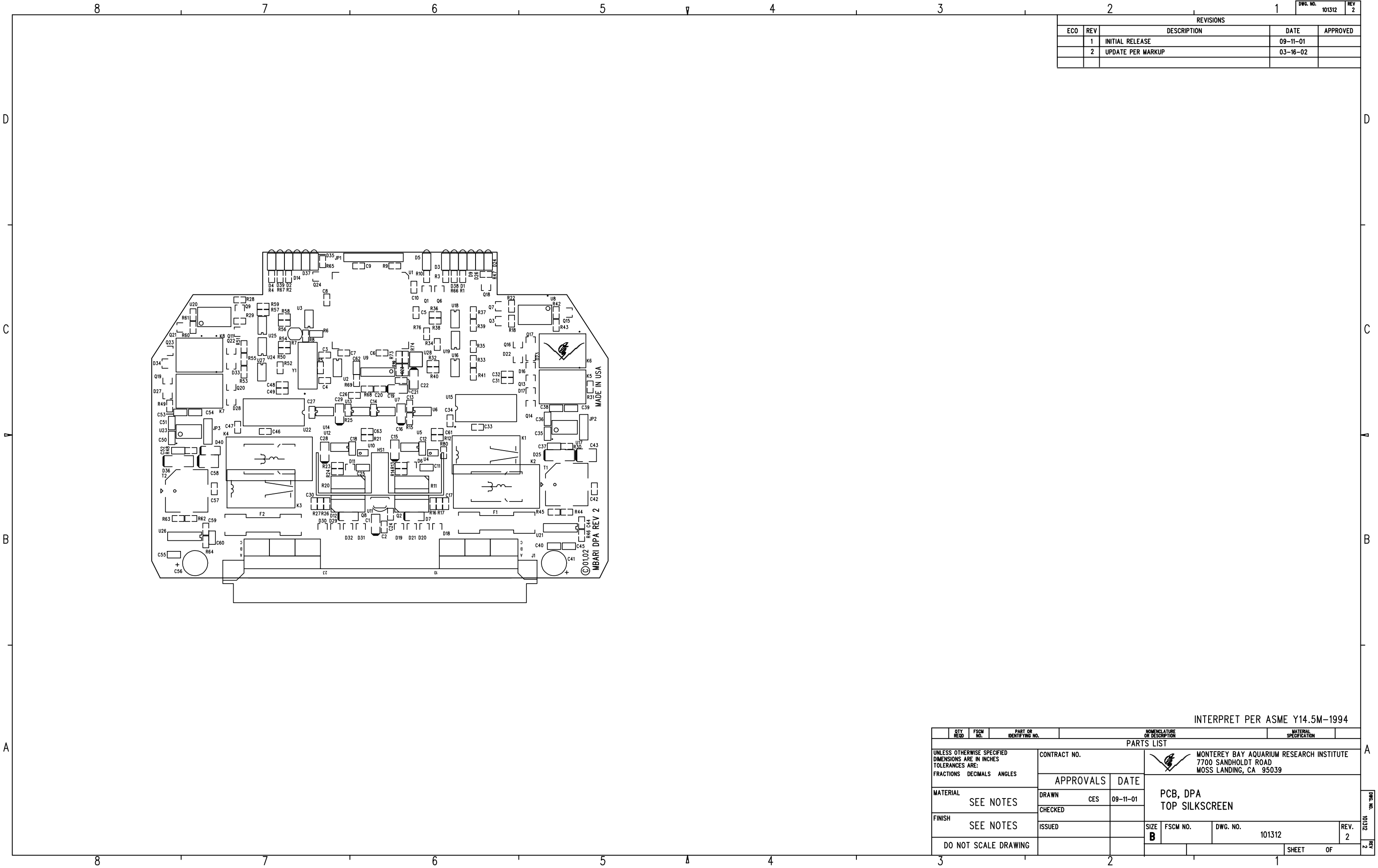
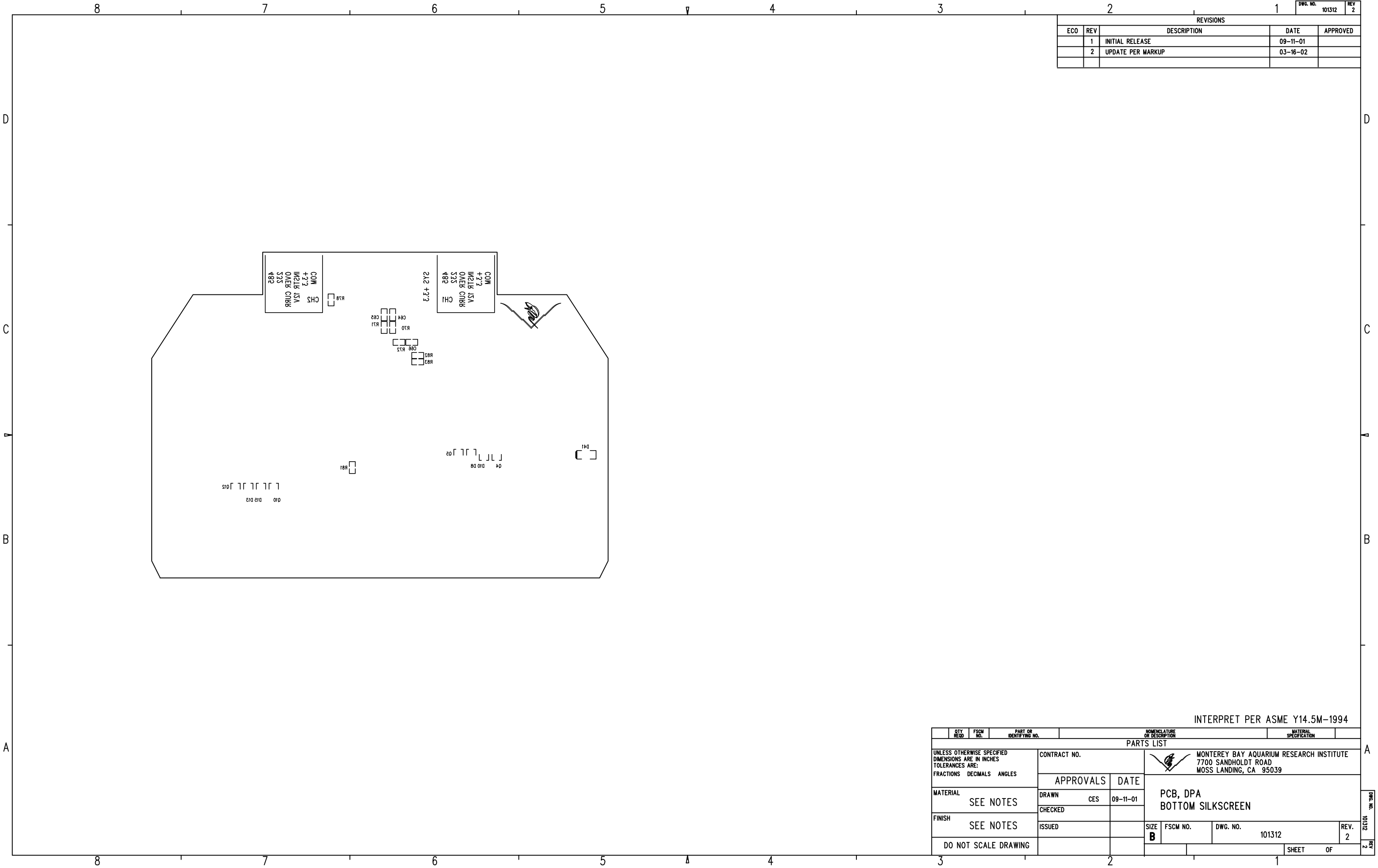
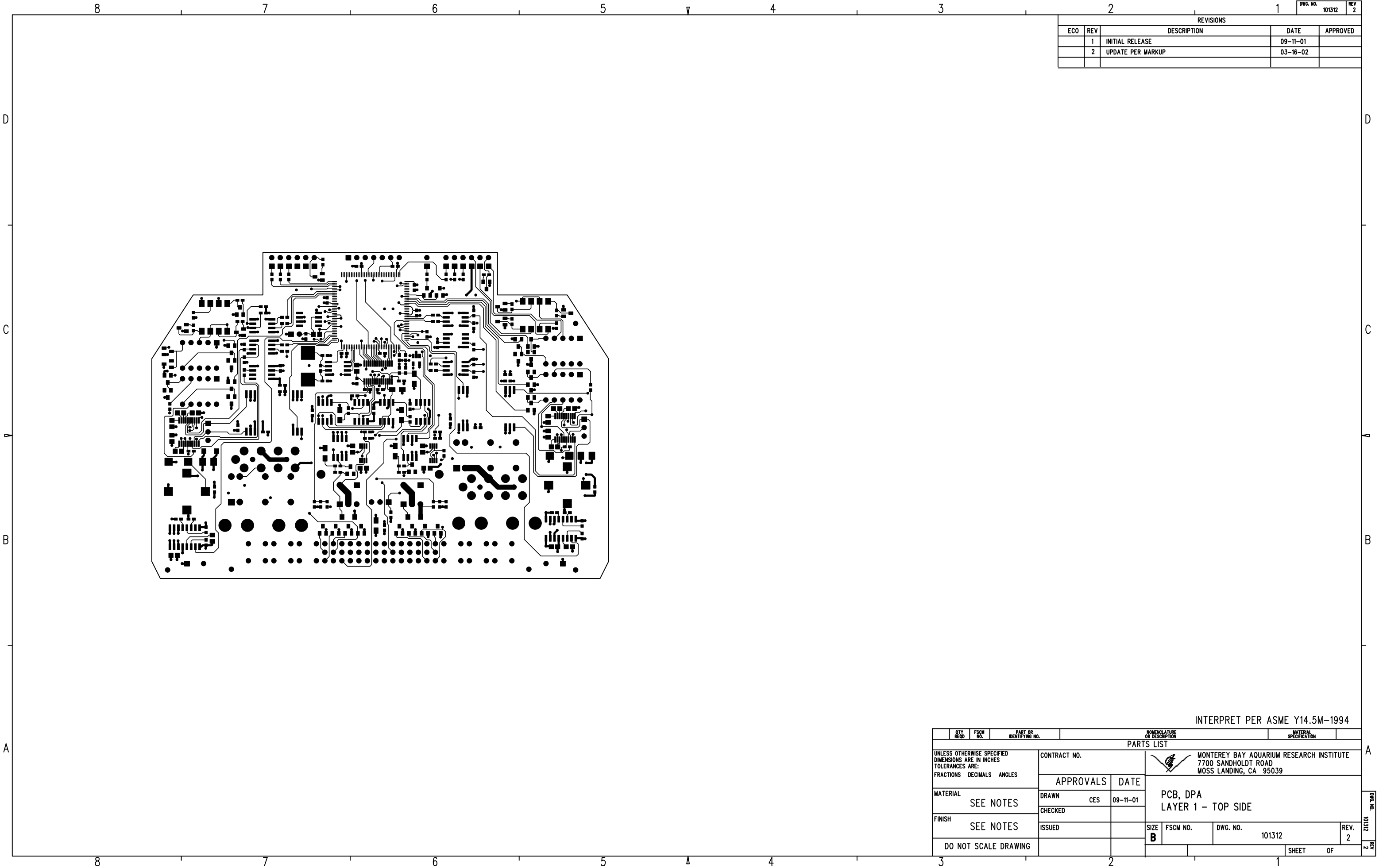




REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
	1	INITIAL RELEASE	09-11-01	
	2	UPDATE PER MARKUP	03-16-02	

INTERPRET PER ASME Y14.5M-1994											
QTY REQD		FSCM NO.	PART OR IDENTIFYING NO.			NOMENCLATURE OR DESCRIPTION			MATERIAL SPECIFICATION		
PARTS LIST											
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES			CONTRACT NO.			 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039					
			APPROVALS			DATE		PCB, DPA TOP SILKSCREEN			
			DRAWN CES			09-11-01					
MATERIAL SEE NOTES			CHECKED			SIZE FSCM NO. DWG. NO. REV. B					



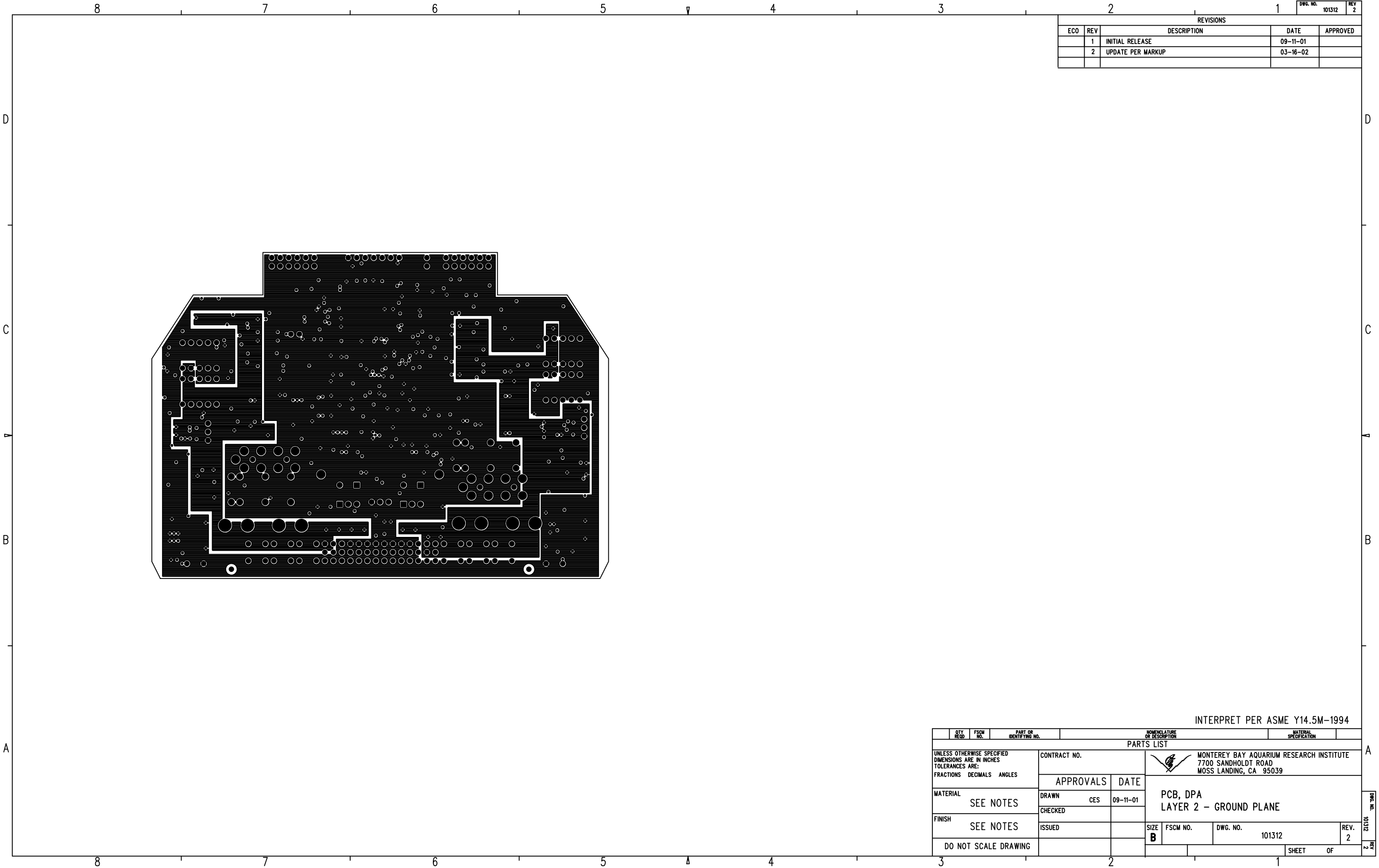


REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
	1	INITIAL RELEASE	09-11-01	
	2	UPDATE PER MARKUP	03-16-02	

INTERPRET PER ASME Y14.5M-1994														
QTY REQD		FSCM NO.	PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION				MATERIAL SPECIFICATION					
PARTS LIST														
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES			CONTRACT NO.		 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039									
			APPROVALS							DATE				
			MATERIAL SEE NOTES			DRAWN		CES	09-11-01	PCB, DPA LAYER 1 - TOP SIDE				
						CHECKED								
FINISH SEE NOTES			ISSUED				SIZE	FSCM NO.		DWG. NO.		REV.		
							B			101312		2		
DO NOT SCALE DRAWING											SHEET OF			

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DWG. NO. 101312 REV. 2



REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
	1	INITIAL RELEASE	09-11-01	
	2	UPDATE PER MARKUP	03-16-02	

INTERPRET PER ASME Y14.5M-1994												
QTY REQD		FSCM NO.	PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION				MATERIAL SPECIFICATION			
PARTS LIST												
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES			CONTRACT NO.		 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039							
			APPROVALS							DATE		
			MATERIAL		DRAWN		CES	09-11-01	PCB, DPA LAYER 2 – GROUND PLANE			
FINISH		CHECKED										
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DO NOT SCALE DRAWING									SHEET		OF	

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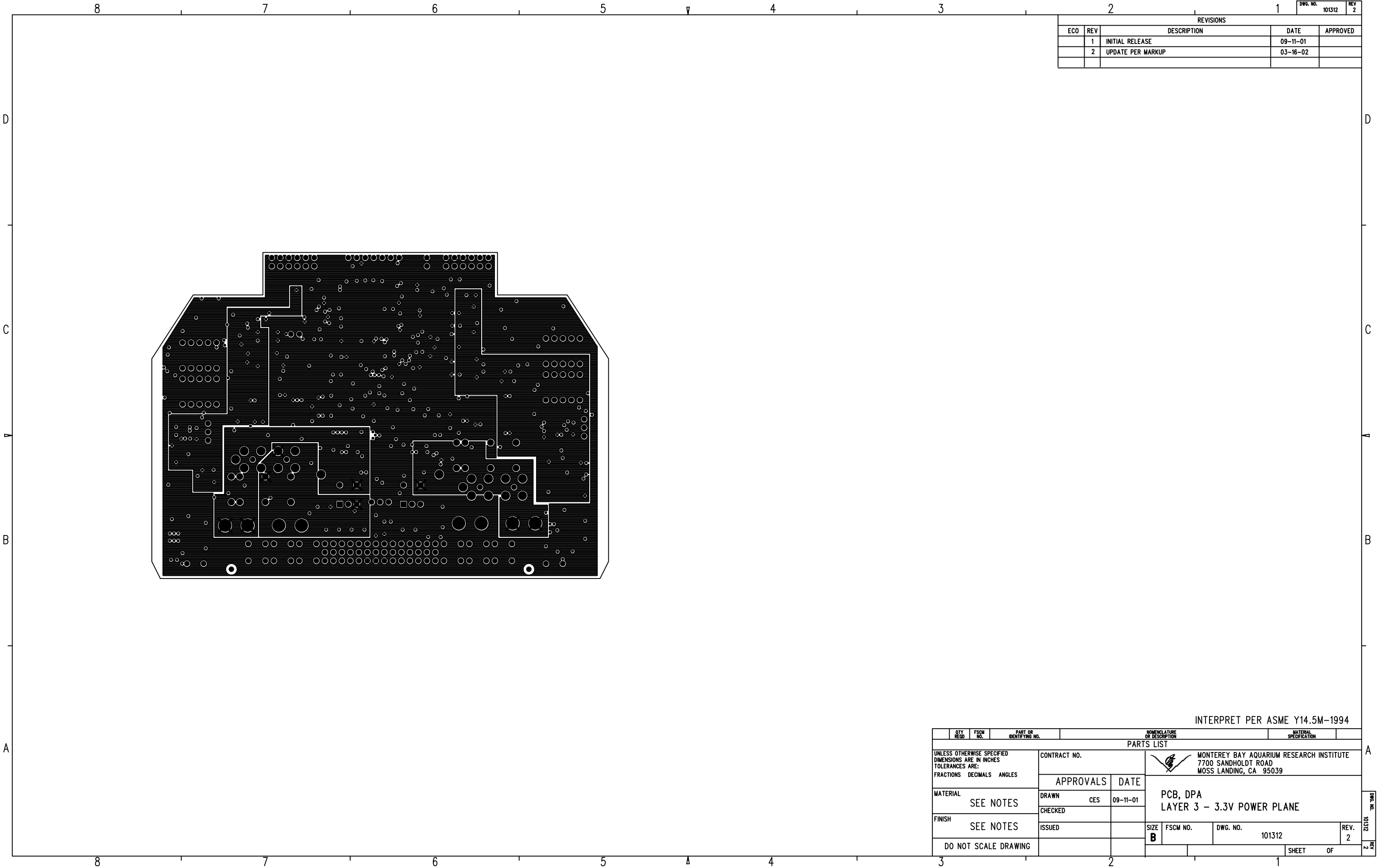
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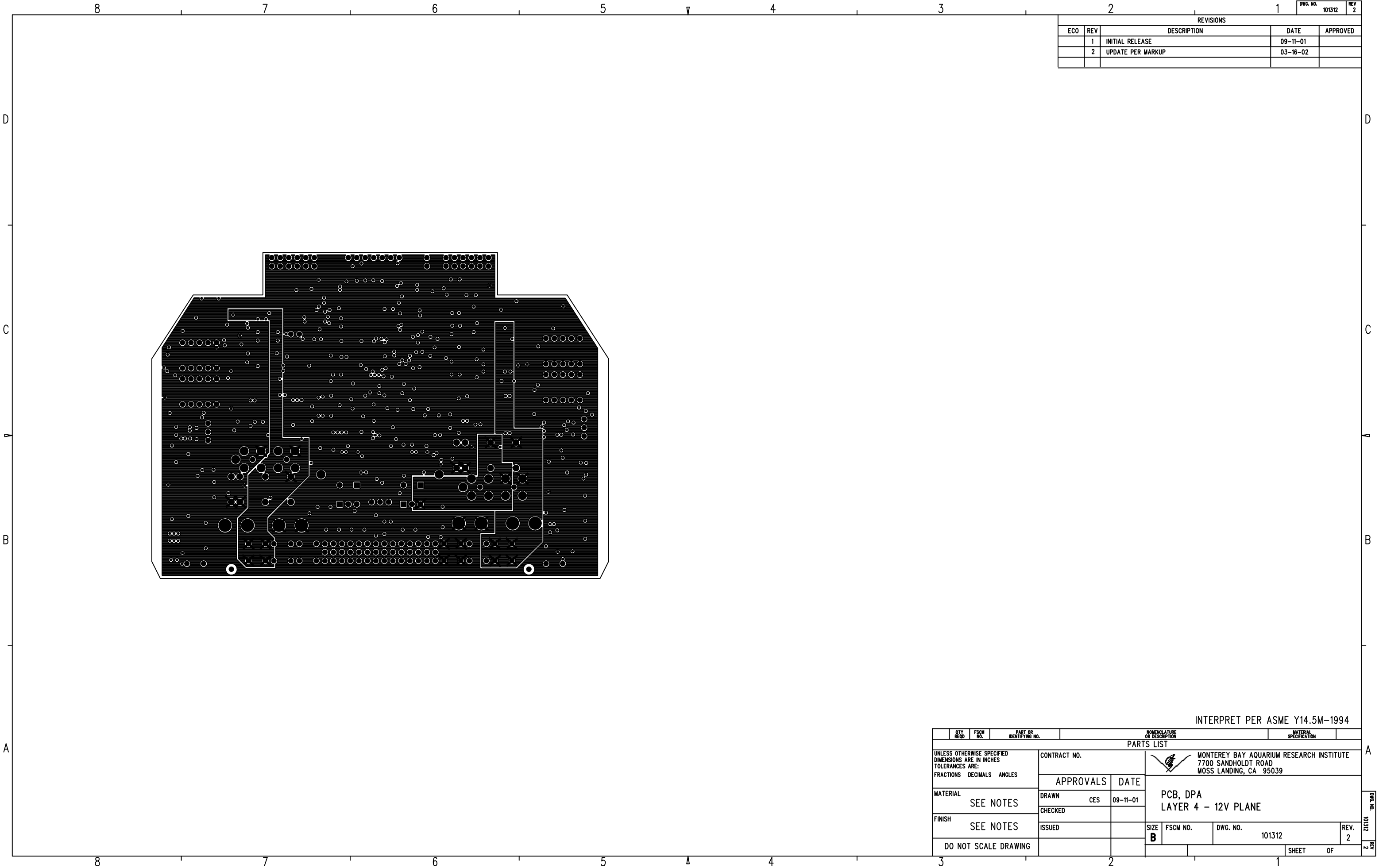
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REV 2

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REV 2





		REVISIONS		
ECO	REV	DESCRIPTION	DATE	APPROVED
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	2	UPDATE PER MARKUP	03-16-02	

INTERPRET PER ASME Y14.5M-1994												
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PARTS LIST												
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES			CONTRACT NO.		 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039							
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			MATERIAL		DRAWN	CES	09-11-01	PCB, DPA LAYER 4 - 12V PLANE				
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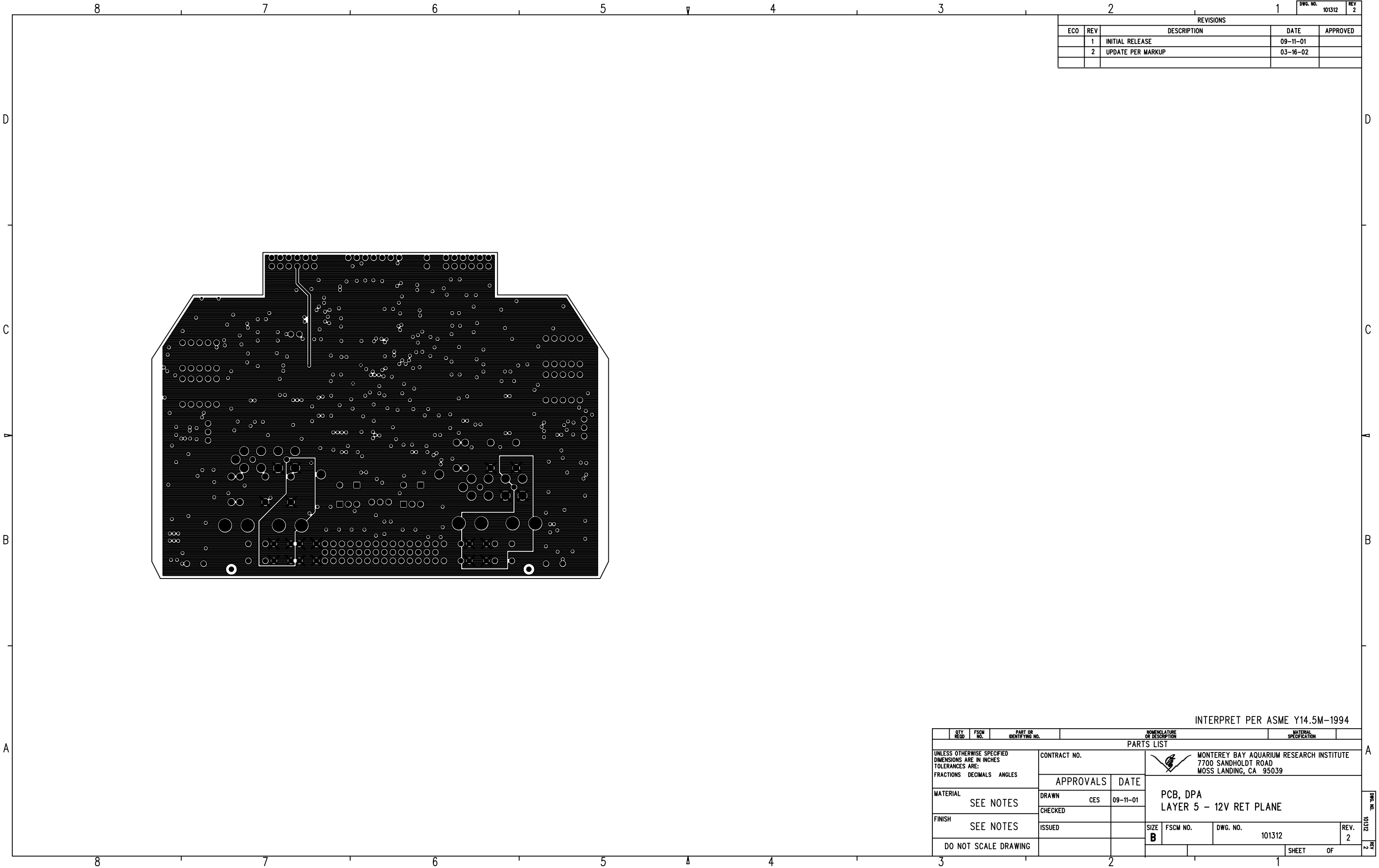
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REV 2



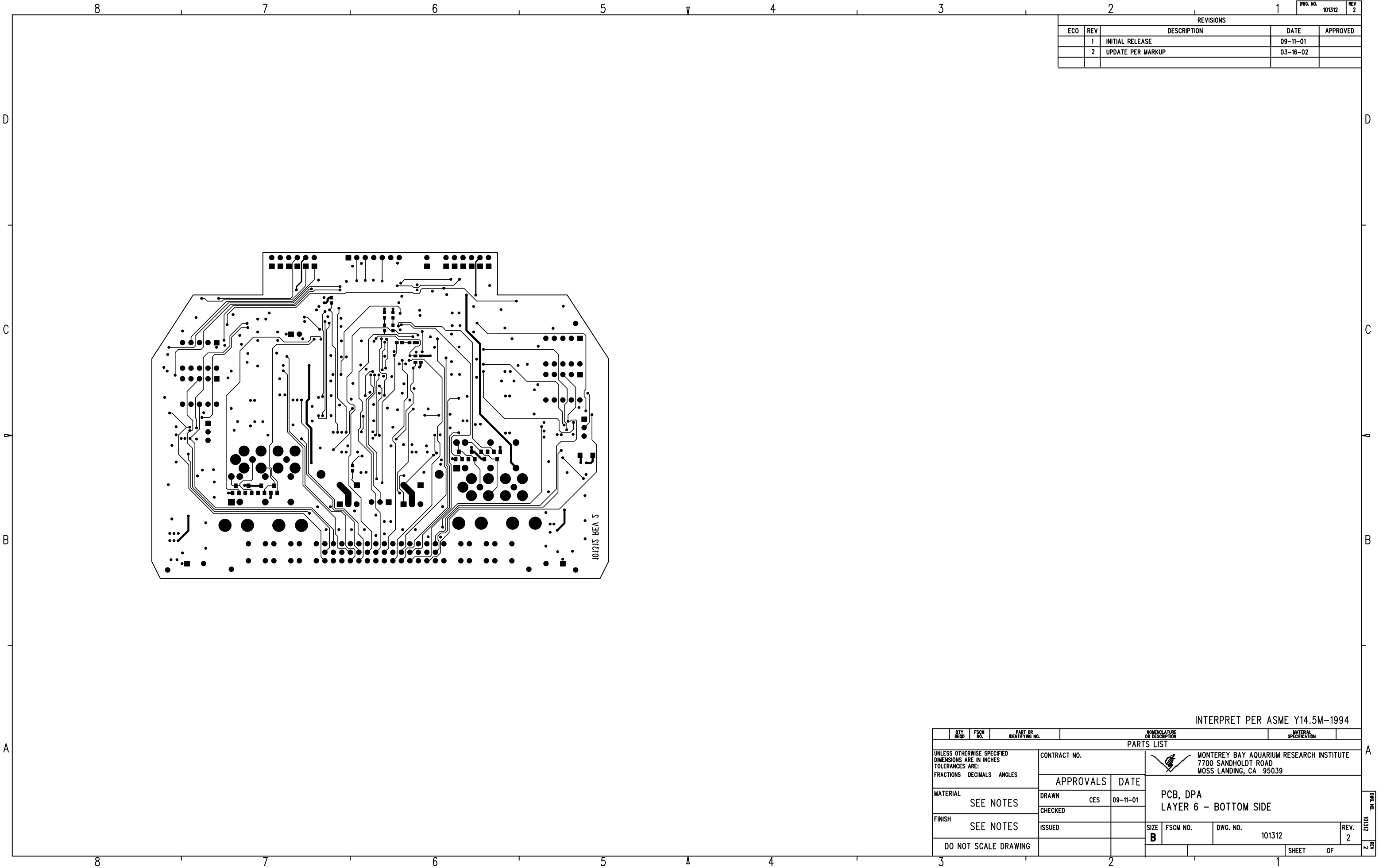
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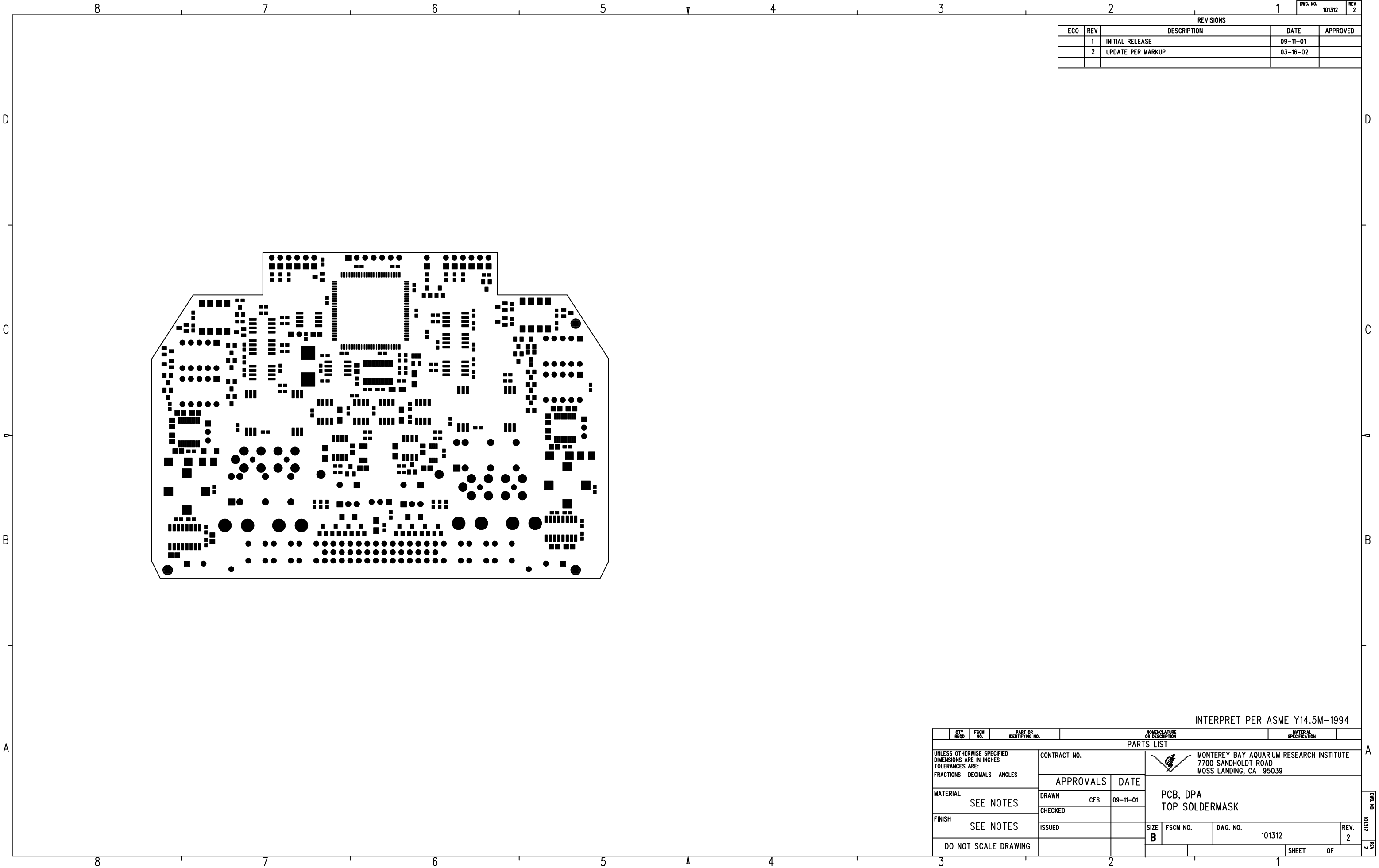
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PARTS LIST																				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES					CONTRACT NO.			 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039												
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										CHECKED										
FINISH SEE NOTES					ISSUED				SIZE		FSCM NO.		DWG. NO.		REV.					
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DO NOT SCALE DRAWING													SHEET			OF				
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INR. NO. 101312

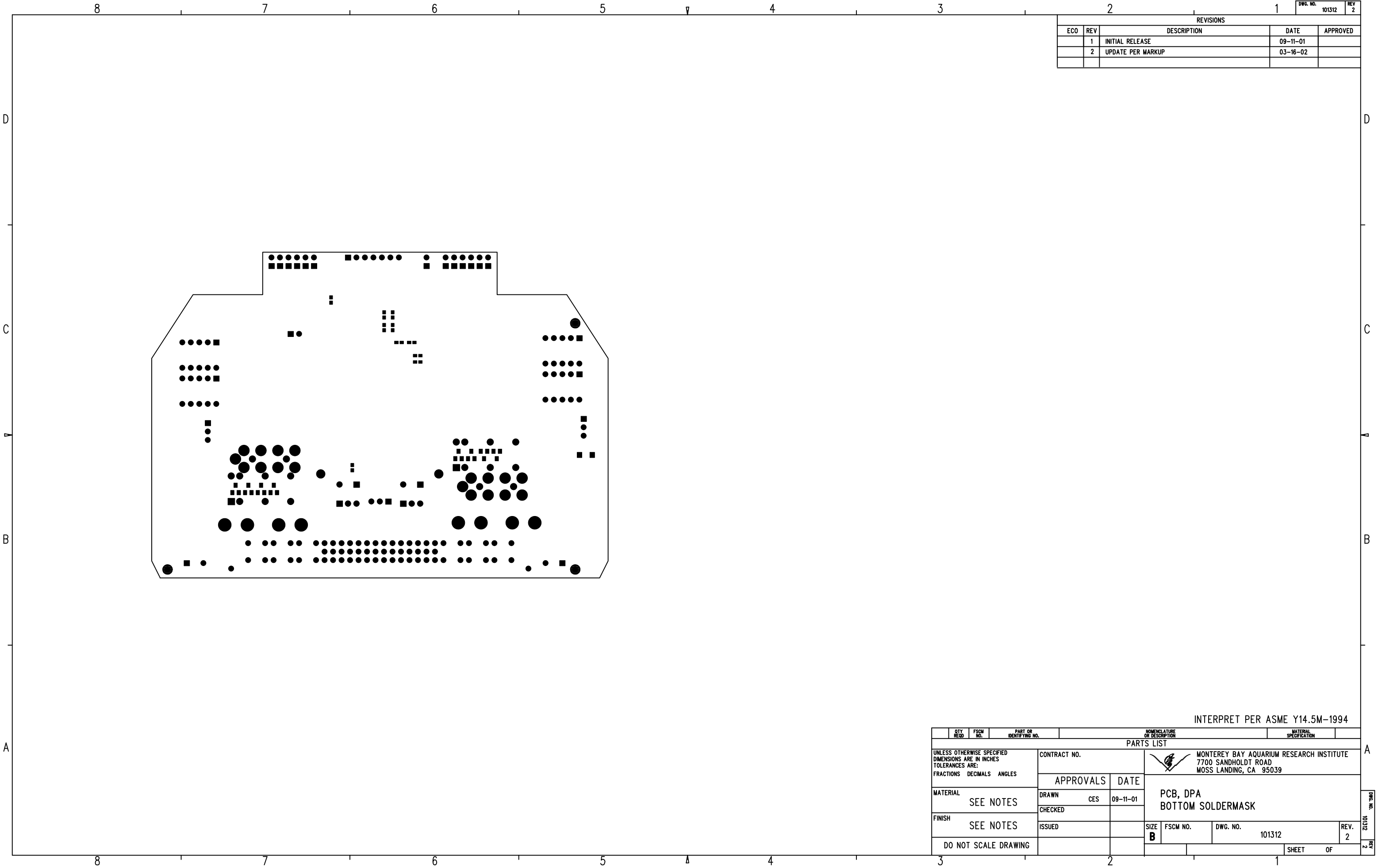
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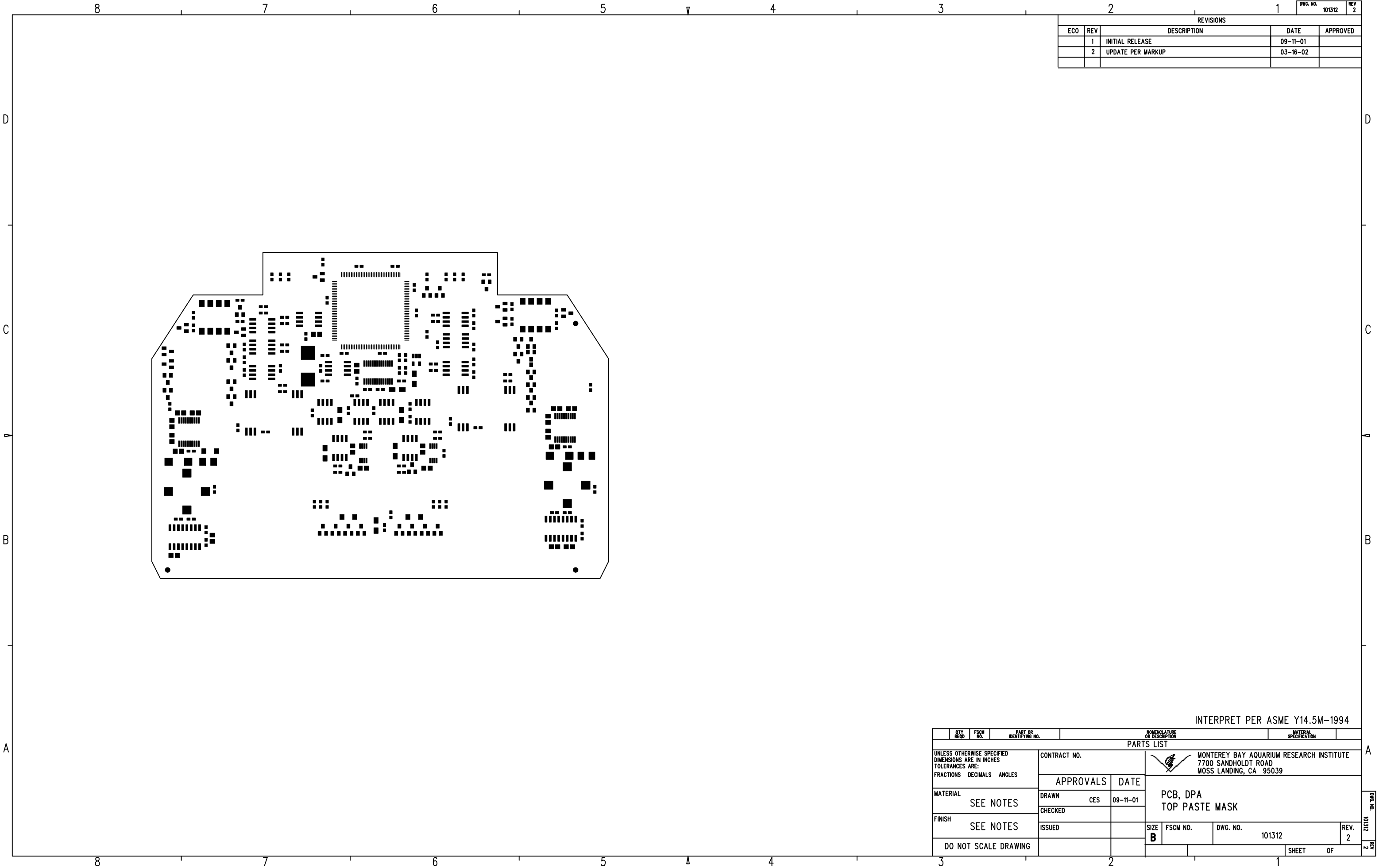




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ECO	REV	DESCRIPTION	DATE	APPROVED
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	2	UPDATE PER MARKUP	03-16-02	

INTERPRET PER ASME Y14.5M-1994														
QTY REQD		FSCM NO.	PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION				MATERIAL SPECIFICATION					
PARTS LIST														
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES			CONTRACT NO.		 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039									
			APPROVALS							DATE				
MATERIAL SEE NOTES			DRAWN CES		09-11-01		PCB, DPA TOP SOLDERMASK							
			CHECKED											
FINISH SEE NOTES			ISSUED		SIZE B					FSCM NO.		DWG. NO. 101312		REV. 2
												SHEET OF		





REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
	1	INITIAL RELEASE	09-11-01	
	2	UPDATE PER MARKUP	03-16-02	

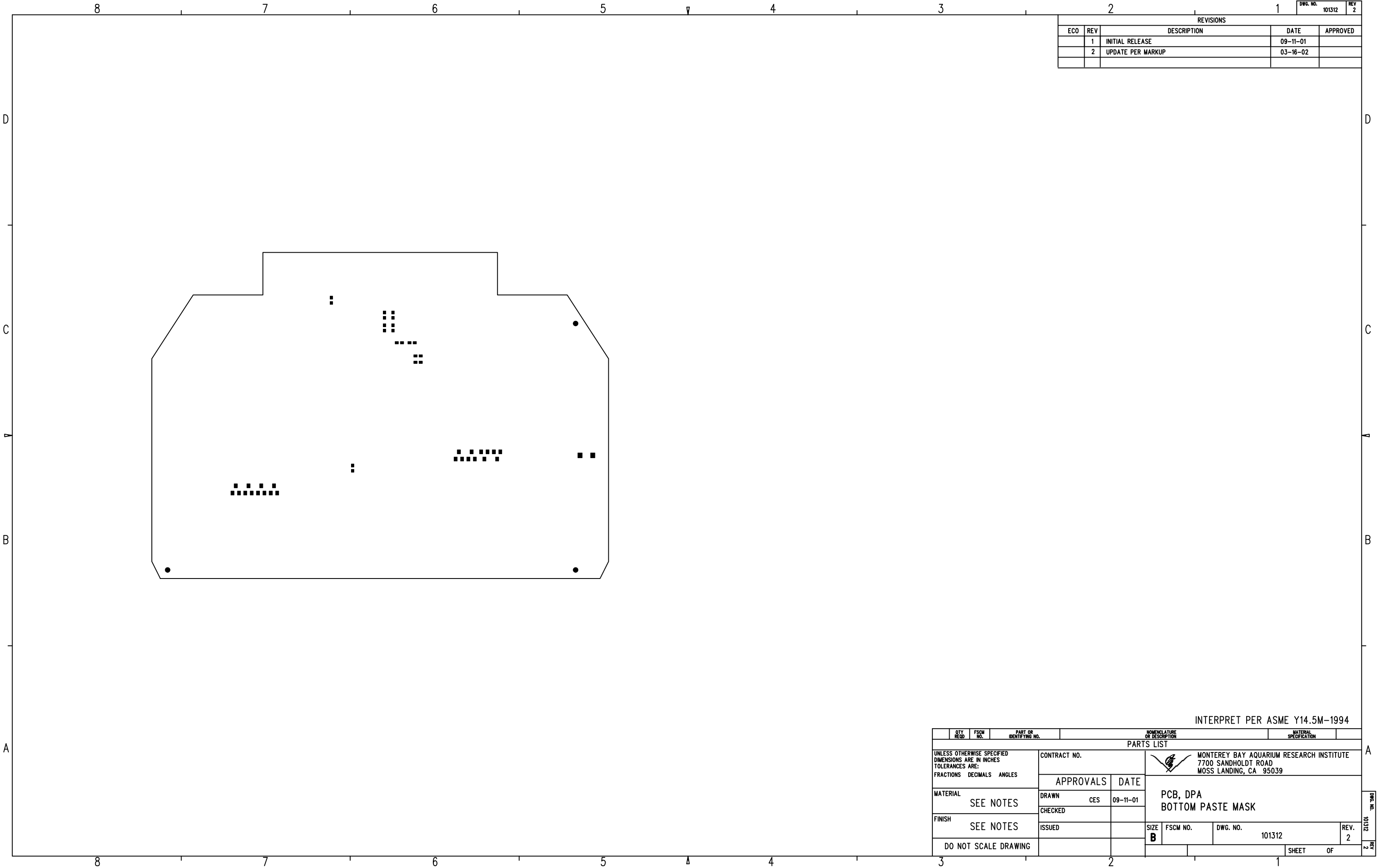
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES				CONTRACT NO.		 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039									
				APPROVALS		DATE		PCB, DPA TOP PASTE MASK							
				DRAWN CES		09-11-01									
MATERIAL SEE NOTES				CHECKED											
FINISH SEE NOTES				ISSUED											
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										SHEET OF					

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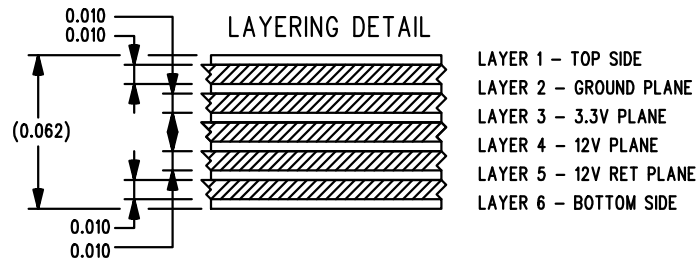
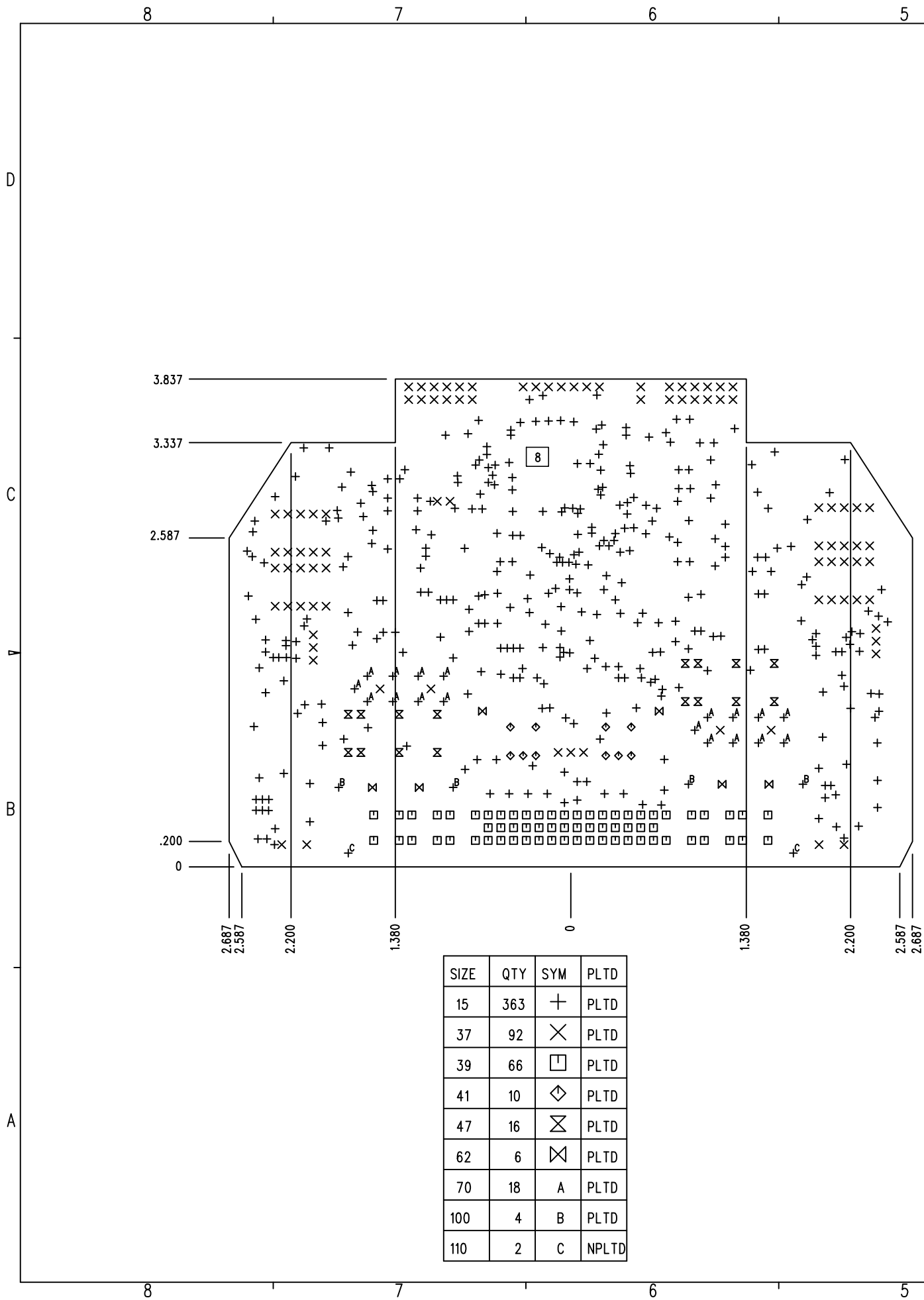
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DWG. NO.



REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
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QTY REQD			FSCM NO.			PART OR IDENTIFYING NO.			NOMENCLATURE OR DESCRIPTION			MATERIAL SPECIFICATION											
PARTS LIST																							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES						CONTRACT NO.			 MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039									A					
MATERIAL SEE NOTES						APPROVALS		DATE		PCB, DPA BOTTOM PASTE MASK									Dwg. No. 101312				
FINISH SEE NOTES						DRAWN		CES		09-11-01											REV. 2		
DO NOT SCALE DRAWING						CHECKED																	
						ISSUED						SIZE			FSCM NO.			DWG. NO.			REV.		
												B						101312			2		
																		SHEET			OF		



13. CERTIFICATE OF COMPLIANCE TO BE PROVIDED ON ALL SHIPMENTS.
12. EACH LOT MUST INCLUDE ONE SOLDER SAMPLE.
11. BOARDS TO BE 100% NET LIST TESTED FOR OPENS AND SHORTS.
10. FABRICATE PER IPC-6012, CLASS II.
9. ACCEPTABILITY CRITERIA TO BE PER IPC-A-600, LATEST ISSUE.
8. VENDORS UL ID, RECOGNIZED COMPONENT SYMBOL, 94V-0 RATING PER UL796 AND DATE CODE TO APPEAR IN THIS AREA ONLY ON FARSIDE.
7. FABRICATION DRAWING TAKES PRECEDENCE OVER ARTWORK AND/OR PURCHASE ORDER(S).
6. PROCESS TO BE SOLDER MASK OVER BARE COPPER (SMOBC).
5. SIGNAL LAYERS TO BE 1 OZ. COPPER.
PLANE LAYERS TO BE 2 OZ. COPPER.
4. SILK SCREEN LEGEND TO BE WHITE, NON-CONDUCTIVE EPOXY INK.
3. SOLDER MASK BOTH SIDES LPI (LIQUID PHOTO-IMAGEABLE) PER IPC-SM-840.
2. MATERIAL IS GLASS EPOXY, TYPE GFN PER IPC-4101, GREEN OR NATURAL, OVERALL THICKNESS TO BE 0.062 +/-0.007.
1. TOLERANCE: XX=+/-0.03; XXX=+/-0.010.

INTERPRET PER ASME Y14.5M-1994

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MATERIAL		APPROVALS			DATE	
FINISH		DRAWN			CES 09-11-01	
DO NOT SCALE DRAWING		CHECKED				
ISSUED		SIZE		FSCM NO.	DWG. NO.	REV.
		B			101312	2
SHEET					OF	