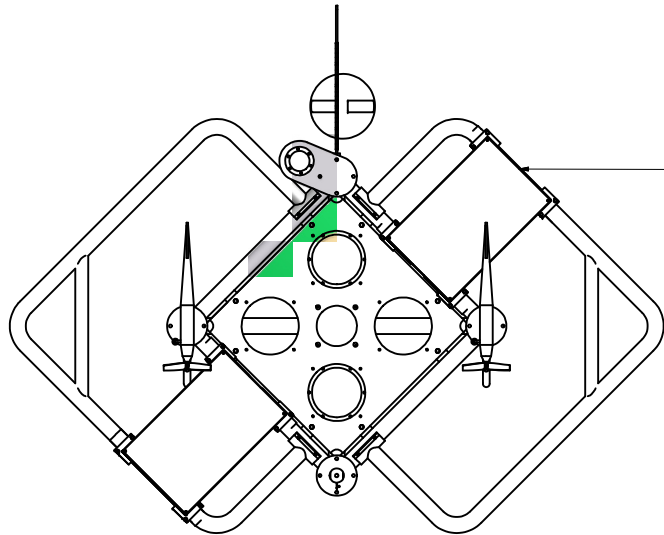
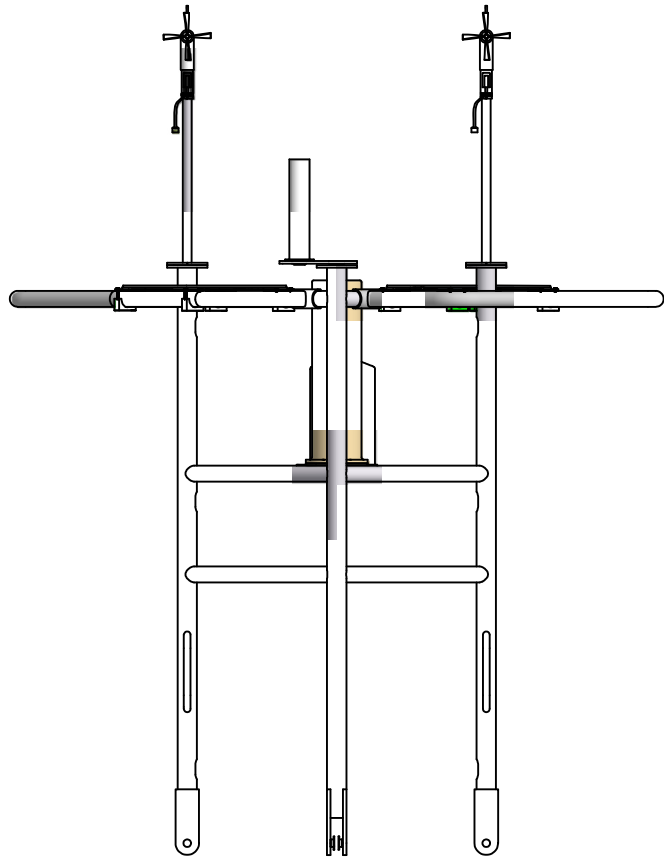
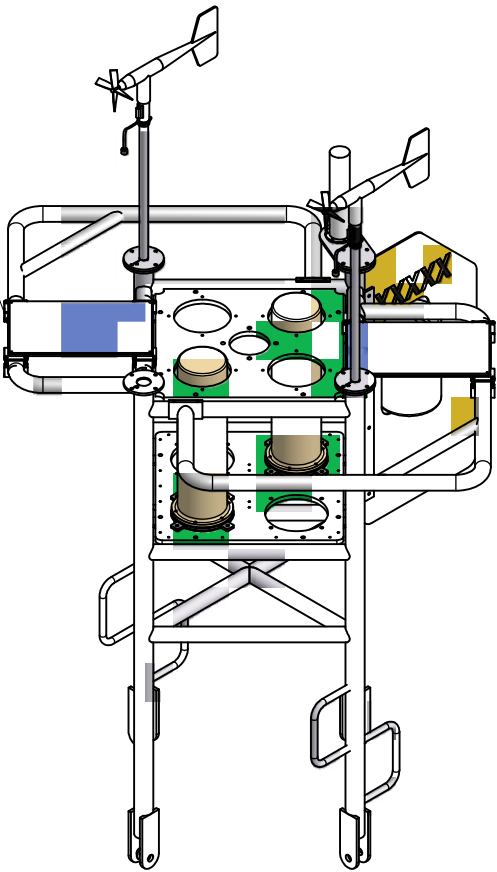


REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	-			



24 WATT SOLAR PANELS



SOLAR PANEL INSTALLATION

-NO.	HULL NO.	NEXT ASSY.	USED ON
APPLICATION			

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS ANGULAR
.XX +/- .05 +/- .5
.XXX +/- .010
DO NOT SCALE DRAWING



CONTRACT NO.	
APPROVALS	DATE
DRAWN JOEL CHAFFIN	6/2/2010
CHECKED	
NTSC ENGINEER	
NDBC PROJ. ENGINEER	
APPROVED	

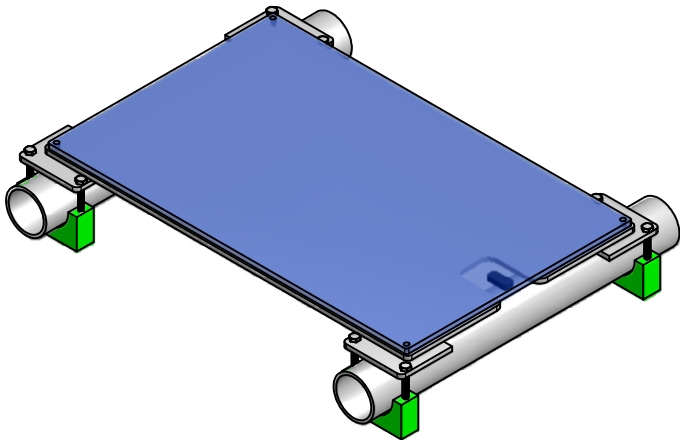
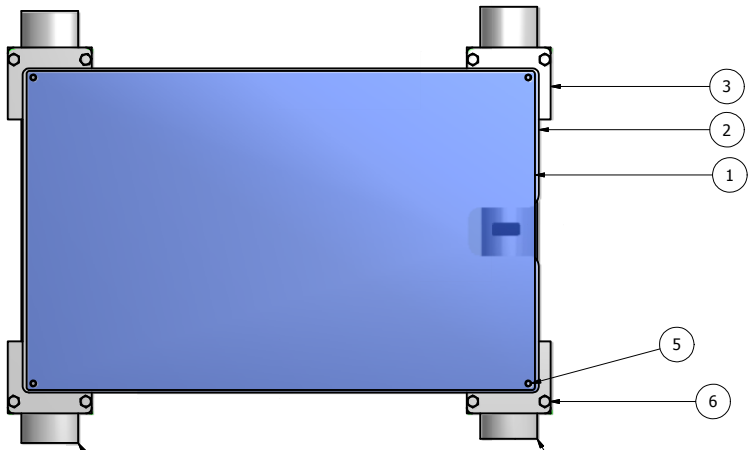


NATIONAL DATA BUOY CENTER
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Stennis Space Center, Mississippi, 39529



TITLE
**STANDARD BUOY SOLAR PANEL
INSTALLATION**

SIZE D	DWG NO SK-2.3SP-001	REV -
SCALE	SHEET 1 OF 9	



CLAMP DESIGN

SAFETY RAIL/TOWER PIPE SHOWN FOR REFERENCE ONLY

8				SCREW, CAP 1/4-20 X 2 316 SST, HX HD	715			6
1				SCREW MACHINE PHILLIPS TRUSS HEAD #10-32 THREAD/ 1/2" LG, 18-8 SST (100/PK)	13131			5
4				SHEET, NON-METAL, 3.50 X 1.75 X 1.00, UHMW, GREEN	7264			4
4				PLATE, METAL 1/4"X3.50"X3.00" ALUMINUM 6061 T6	606			3
1				PLATE, METAL 1/4"X21.50"X13.50" ALUMINUM 6061 T6	606			2
2		SUNWIZE TECHNOLOGIES		24 WATT SOLAR PANEL	8850	SUNWIZE SC24		1
QTY	CAGE CODE	VENDOR	NOTES	DESCRIPTION	NDBC CONT. NO.	PART/SPEC. NO.	ZONE	ITEM
PARTS LIST								

-NO.	HULL NO.	NEXT ASSY.	USED ON
APPLICATION			

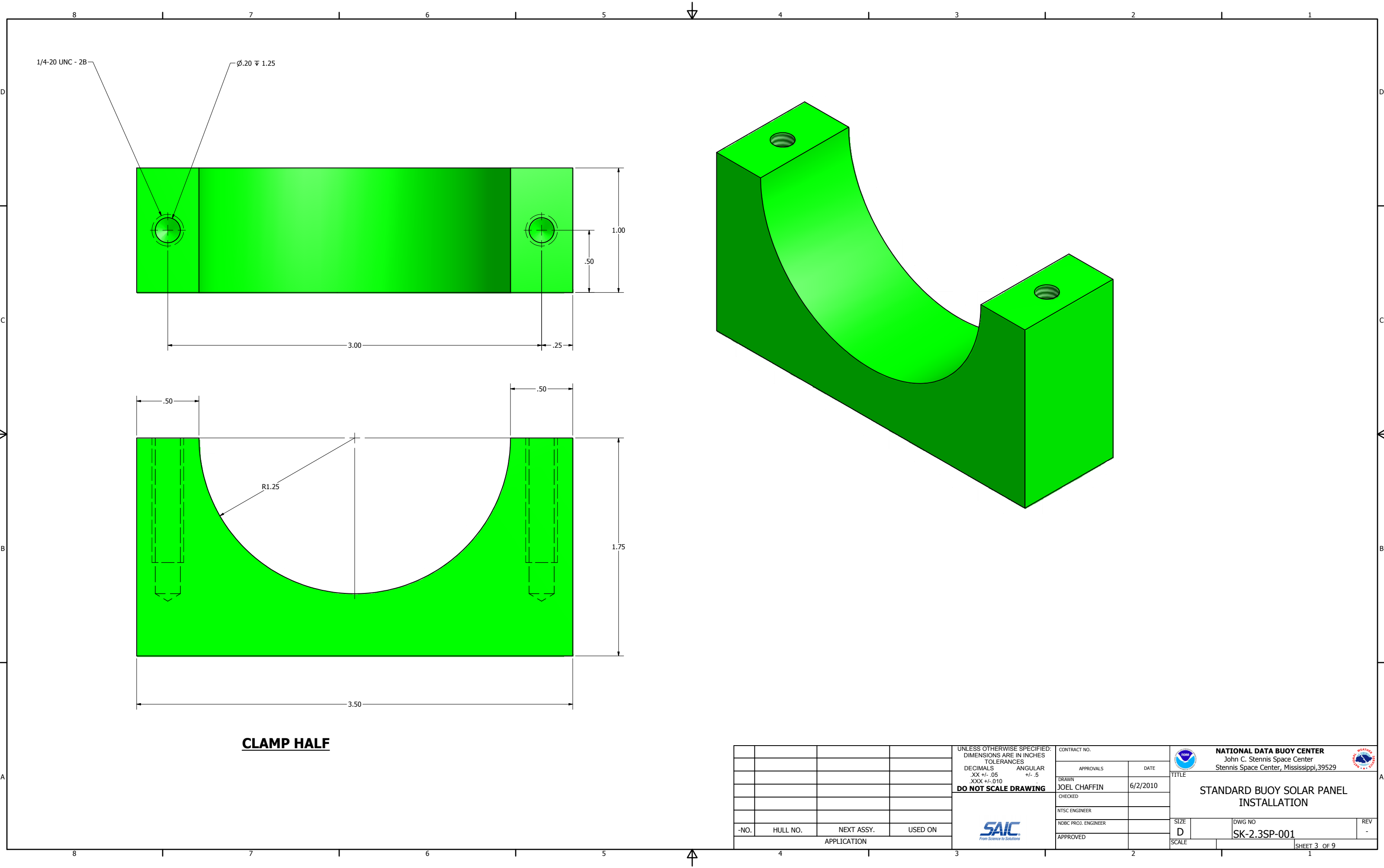
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DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS .XX +/- .05
ANGULAR +/- .5
XXX +/- .010
DO NOT SCALE DRAWING

CONTRACT NO.	
APPROVALS	DATE
DRAWN JOEL CHAFFIN	6/2/2010
CHECKED	
NTSC ENGINEER	
NDBC PROJ. ENGINEER	
APPROVED	

NATIONAL DATA BUOY CENTER
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Stennis Space Center, Mississippi, 39529

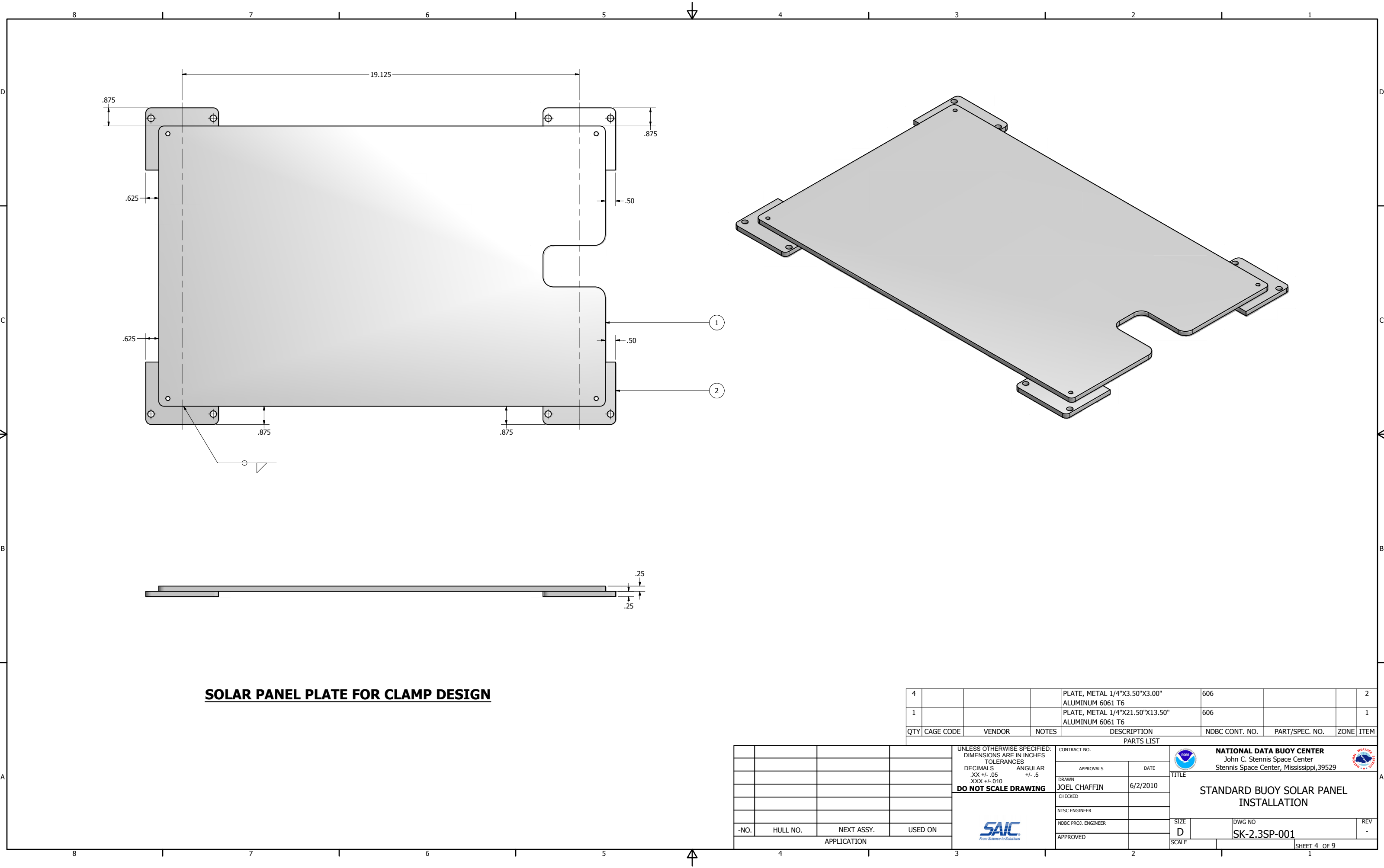
TITLE
**STANDARD BUOY SOLAR PANEL
INSTALLATION**

SIZE D	DWG NO SK-2.3SP-001	REV -
SCALE	SHEET 2 OF 9	



CLAMP HALF

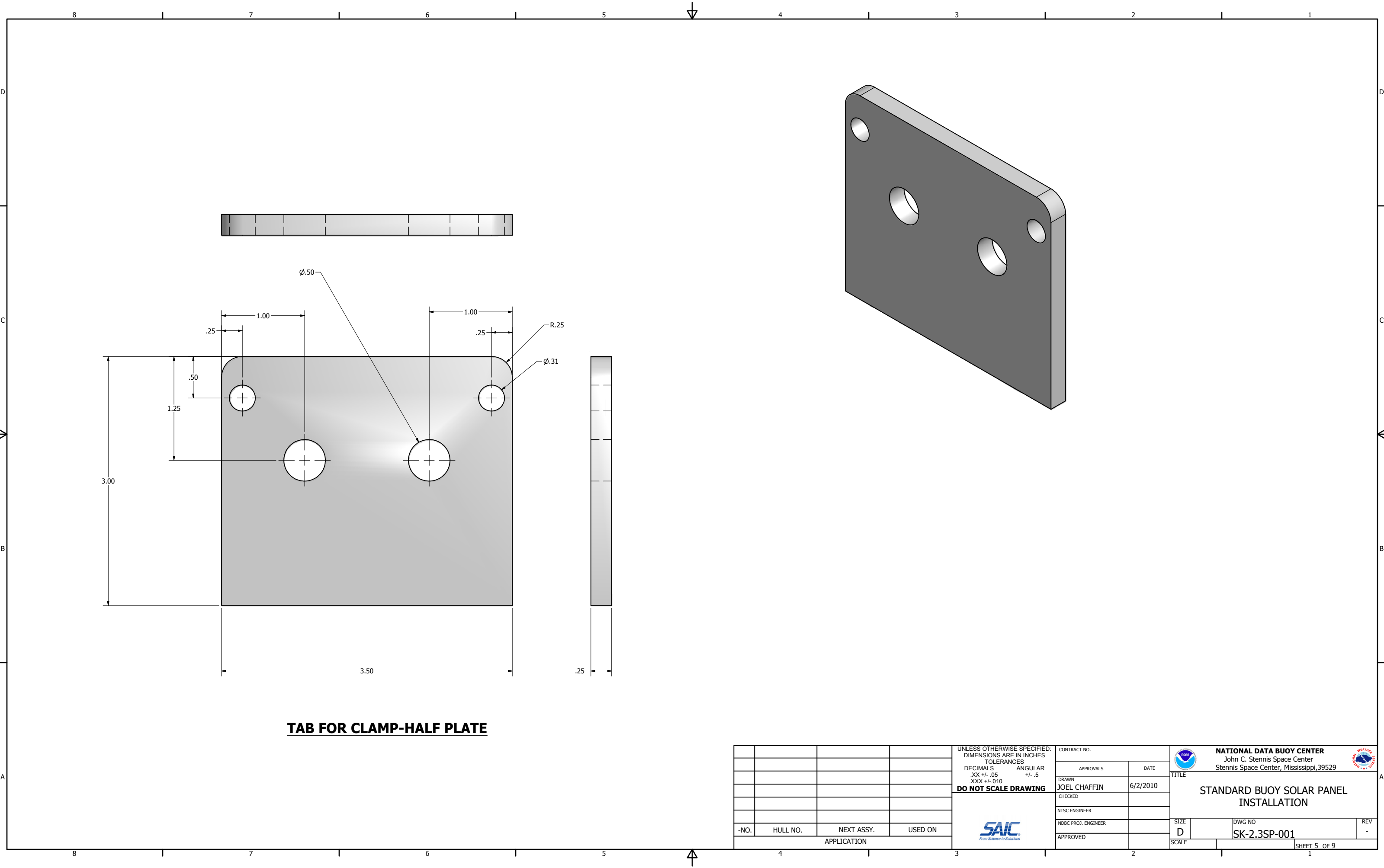
				UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGULAR XX +/- .05 +/- .5 XXX +/- .010 DO NOT SCALE DRAWING	CONTRACT NO.		 NATIONAL DATA BUOY CENTER John C. Stennis Space Center Stennis Space Center, Mississippi, 39529		
					APPROVALS	DATE			TITLE STANDARD BUOY SOLAR PANEL INSTALLATION
					DRAWN JOEL CHAFFIN	6/2/2010			
					CHECKED				
				 <i>From Science to Solutions</i>	NTSC ENGINEER		SIZE D	DWG NO SK-2.3SP-001	REV -
-NO.	HULL NO.	NEXT ASSY.	USED ON		NDBC PROJ. ENGINEER				
APPLICATION					APPROVED				



SOLAR PANEL PLATE FOR CLAMP DESIGN

4				PLATE, METAL 1/4"X3.50"X3.00"	606			2
1				ALUMINUM 6061 T6 PLATE, METAL 1/4"X21.50"X13.50"	606			1
				ALUMINUM 6061 T6				
QTY	CAGE CODE	VENDOR	NOTES	DESCRIPTION	NDBC CONT. NO.	PART/SPEC. NO.	ZONE	ITEM
PARTS LIST								

				UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS .XX +/- .05 ANGULAR +/- .5 XXX +/- .010 DO NOT SCALE DRAWING	CONTRACT NO.		 NATIONAL DATA BUOY CENTER John C. Stennis Space Center Stennis Space Center, Mississippi, 39529	
					APPROVALS	DATE		
					DRAWN JOEL CHAFFIN	6/2/2010		
					CHECKED			
					NTSC ENGINEER			
					NDBC PROJ. ENGINEER		SIZE D	DWG NO SK-2.3SP-001
					APPROVED			
							SCALE	REV -
-NO.	HULL NO.	NEXT ASSY.	USED ON	APPLICATION		SHEET 4 OF 9		



TAB FOR CLAMP-HALF PLATE

				UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGULAR XX +/- .05 +/- .5 XXX +/- .010 DO NOT SCALE DRAWING  SAIC From Science to Solutions	CONTRACT NO.		NATIONAL DATA BUOY CENTER John C. Stennis Space Center Stennis Space Center, Mississippi, 39529  TITLE STANDARD BUOY SOLAR PANEL INSTALLATION
					APPROVALS	DATE	
					DRAWN JOEL CHAFFIN	6/2/2010	
					CHECKED		
					NTSC ENGINEER		
					NDBC PROJ. ENGINEER		
					APPROVED		
					SIZE D	DWG NO SK-2.3SP-001	
					SCALE	REV -	
-NO.	HULL NO.	NEXT ASSY.	USED ON				
APPLICATION							
				SHEET 5 OF 9			

1. Drill adequate depth. Tap using screw thread insert tap. Screw insert onto installation tool and install insert 1/4 to 1/2 turn below the work surface of the hole.

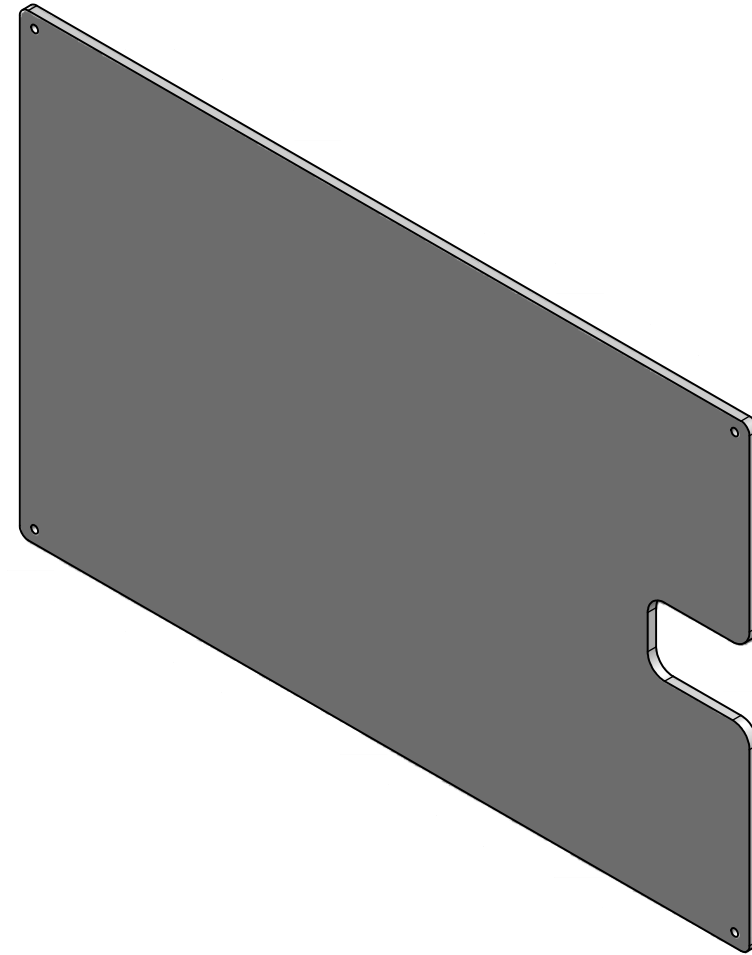
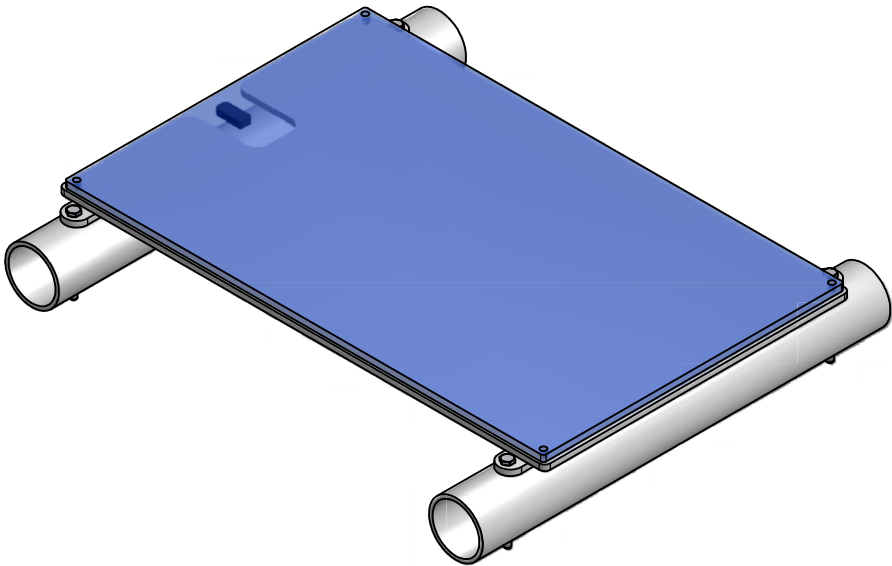
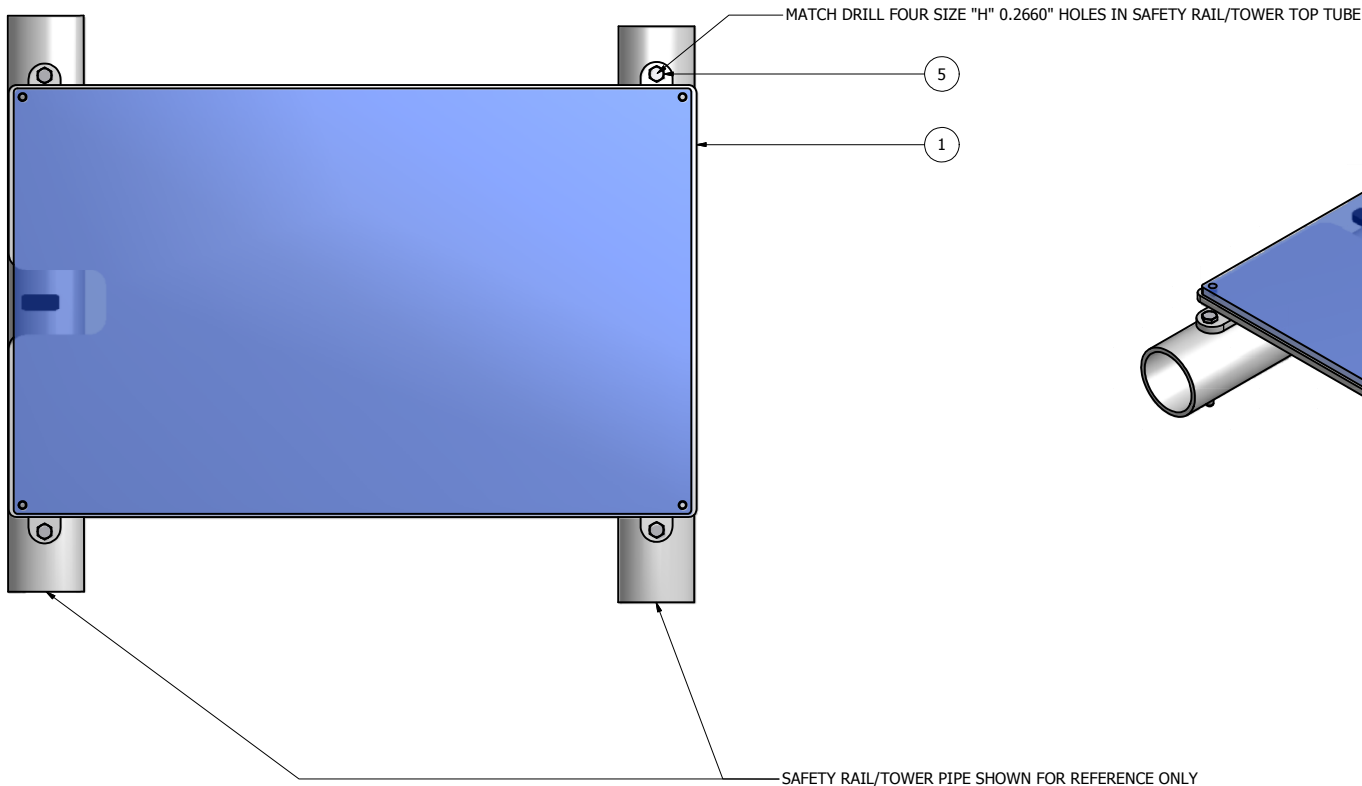


PLATE FOR SOLAR PANEL

[illegible]

				UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES		CONTRACT NO.		 NATIONAL DATA BUOY CENTER John C. Stennis Space Center Stennis Space Center, Mississippi, 39529	
				DECIMALS ANGULAR		APPROVALS		DATE	
				.XX +/- .05 +/- .5		DRAWN		6/2/2010	
				.XXX +/- .010		CHECKED			
				DO NOT SCALE DRAWING		NTSC ENGINEER			
				 SAIC From Science to Solutions		NDBC PROJ. ENGINEER			
						APPROVED			
						TITLE		 STANDARD BUOY SOLAR PANEL INSTALLATION	
						SIZE		DWG NO	
-NO.	HULL NO.	NEXT ASSY.	USED ON			D		6	
APPLICATION						SCALE		REV	
								-	
								SHEET 6 OF 9	



MATCH DRILL DESIGN

1				NUT, HEXAGON 1/4-20	316 SST	2700			6
1				SCREW, CAP 1/4-20 X 3 -1/2	316 SST, HX HD, FULL THREAD	3240			5
4				SCREW MACHINE PHILLIPS TRUSS HEAD #10-32 THREAD/ 1/2" LG, 18-8 SST (100/PK)		13131			4
1		SUNWIZE TECHNOLOGIES		24 WATT SOLAR PANEL		8850	SUNWIZE SC24		3
4				PLATE, METAL 1/4"x3.00"x1.00" ALUMINUM 6061 T6		606			2
1				PLATE, METAL 1/4"x21.50"x13.50" ALUMINUM 6061 T6		606			1
QTY	CAGE CODE	VENDOR	NOTES	DESCRIPTION		NDBC CONT. NO.	PART/SPEC. NO.	ZONE	ITEM

-NO.	HULL NO.	NEXT ASSY.	USED ON
APPLICATION			

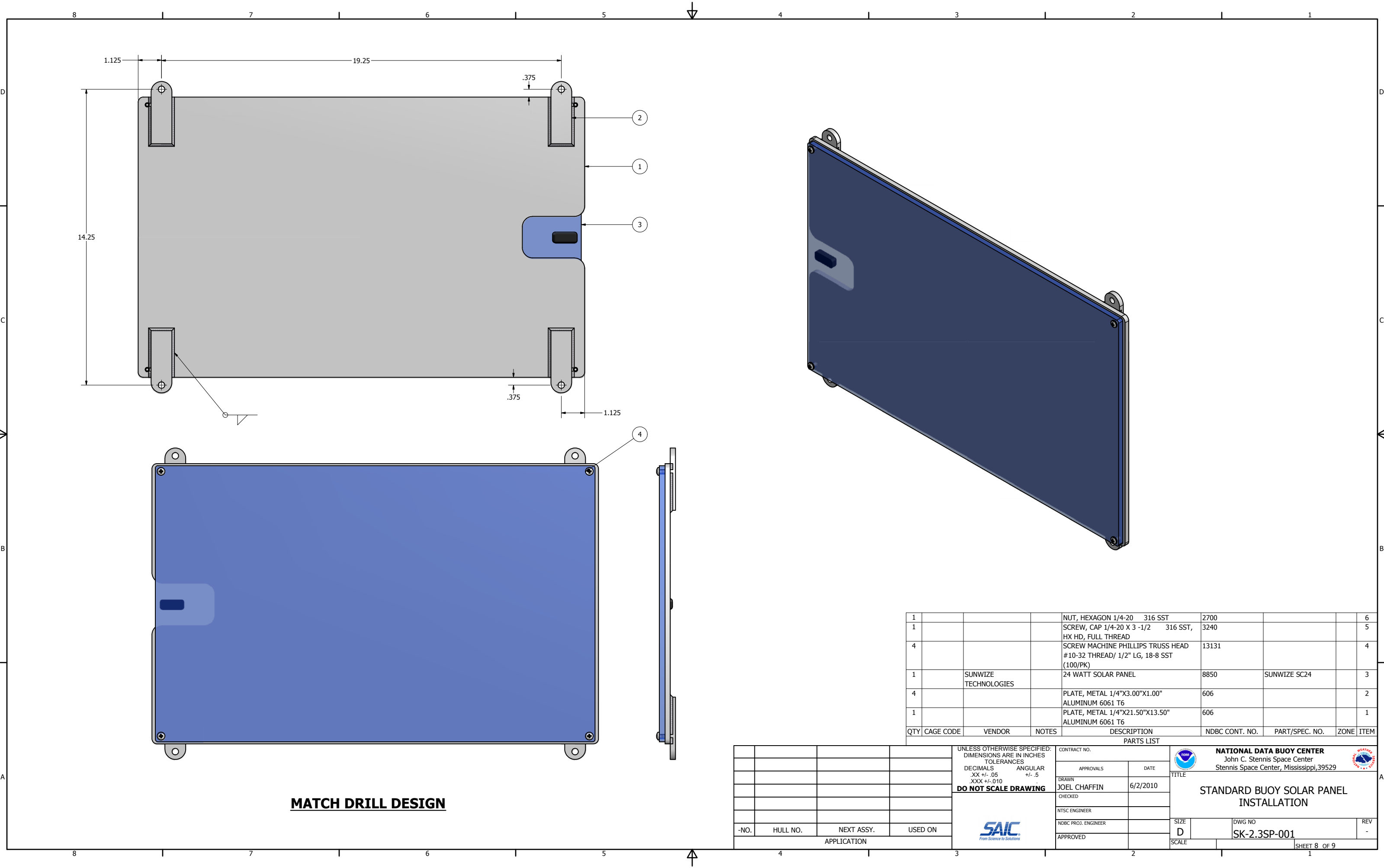
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DECIMALS .XX +/- .05
ANGULAR +/- .5
XXX +/- .010
DO NOT SCALE DRAWING

CONTRACT NO.	
APPROVALS	DATE
DRAWN JOEL CHAFFIN	6/2/2010
CHECKED	
NTSC ENGINEER	
NDBC PROJ. ENGINEER	
APPROVED	

NATIONAL DATA BUOY CENTER
John C. Stennis Space Center
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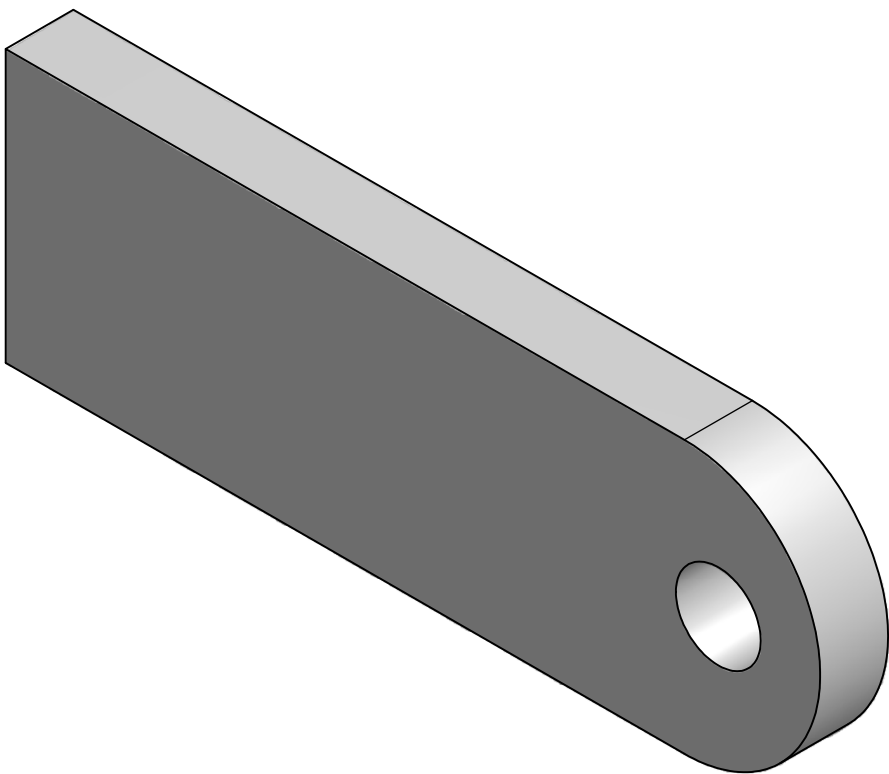
**STANDARD BUOY SOLAR PANEL
INSTALLATION**

SIZE D	DWG NO SK-2.3SP-001	REV -
SCALE	SHEET 7 OF 9	



1				NUT, HEXAGON 1/4-20	316 SST	2700			6
1				SCREW, CAP 1/4-20 X 3 -1/2	316 SST, HX HD, FULL THREAD	3240			5
4				SCREW MACHINE PHILLIPS TRUSS HEAD #10-32 THREAD/ 1/2" LG, 18-8 SST (100/PK)		13131			4
1		SUNWIZE TECHNOLOGIES		24 WATT SOLAR PANEL		8850	SUNWIZE SC24		3
4				PLATE, METAL 1/4"x3.00"x1.00" ALUMINUM 6061 T6		606			2
1				PLATE, METAL 1/4"x21.50"x13.50" ALUMINUM 6061 T6		606			1
QTY	CAGE CODE	VENDOR	NOTES	DESCRIPTION		NDBC CONT. NO.	PART/SPEC. NO.	ZONE	ITEM

				UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGULAR .XX +/- .05 +/- .5 XXX +/- .010 DO NOT SCALE DRAWING 	CONTRACT NO.		NATIONAL DATA BUOY CENTER John C. Stennis Space Center Stennis Space Center, Mississippi, 39529  TITLE STANDARD BUOY SOLAR PANEL INSTALLATION			
					APPROVALS	DATE		SIZE D	DWG NO SK-2.3SP-001	REV -
					DRAWN JOEL CHAFFIN	6/2/2010				
					CHECKED					
					NTSC ENGINEER					
					NDBC PROJ. ENGINEER			SCALE		
					APPROVED			SHEET 8 OF 9		
-NO.	HULL NO.	NEXT ASSY.	USED ON							
APPLICATION										



				UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGULAR .XX +/- .05 +/- .5 .XXX +/- .010 DO NOT SCALE DRAWING 	CONTRACT NO.		NATIONAL DATA BUOY CENTER John C. Stennis Space Center Stennis Space Center, Mississippi, 39529 				
					APPROVALS	DATE		TITLE STANDARD BUOY SOLAR PANEL INSTALLATION			
					DRAWN	6/2/2010			SIZE D		
					JOEL CHAFFIN					DWG NO SK-2.3SP-001	
					CHECKED						REV -
					NTSC ENGINEER						
					NDBC PROJ. ENGINEER						
-NO.	HULL NO.	NEXT ASSY.	USED ON		APPROVED	SCALE					
APPLICATION								SHEET 9 OF 9			