



NOTE/S:  
DEFINITION:  
INT = INTERSECTION  
AKA: ARM/BEAM PANEL SUPPORT/BRACE - 1  
NO SHARP EDGES/CORNERS  
W14/W10, ASTM A913 G65, Sy 65[KSI]  
W6-BEAMS, Sy 42[KSI] (PERF A572 G42)  
C6-BEAMS, Sy 36[KSI]  
AL, T6061-T6, Sy 40[KSI] MIN  
AL, ALLOY, Sy 40[KSI] MIN  
PLATE/S AISI 1045, Sy 75[KSI] (MIN)  
ALUMINIZATION TYPE II (PERF)  
GALVINIZE ASTM A123 G100 ACCEPTABLE  
MASKING OF MATING SURFACES  
OIL-SHEEN, SAE 50+, PRIOR TO ASM  
NO AGGLOMERATION OF OIL  
AL/ALLOY TO STEEL INTERFACE, POLYMER FILM OR OTHER  
MINIMIZE/NEUTRALIZE IONIC EXCHANGE  
BOLT/S ASM G8  
CLASS B, AS-BUILT  
CAD/DATA IS MASTER

EXAMPLE NUMBER	ASSEMBLY TEMP	TEMP	TIME	UNLESS OTHERWISE SPECIFIED: TOLERANCES: DIMENSIONS TAKEN AT 50°F DIMENSIONS TAKEN AT 151°F FRACTIONS USE 1/32 IN. ANGULAR: 0.3 DEGREE	NAME	DATE	CREO DESIGNS, INC.
1601-16	1601-16	1601-16	1601-16		DRAWN		
45.00	7.22	-0.183	-4.658		CHECKED		TITLE: GLORIOUS CROSS
50.00	5.00	0.00	0.00		ENG APPR:		INT - C.127 FRONT SIDE
36.00	30.00	0.34	8.994		MFG APPR:		BEAM SUPPORT
EXAMPLE: DIM (A) = DIM (B) + 1/2 (TEMP - 1601-16) DIM (C) = DIM (D) + 1/2 (TEMP - 1601-16) DIM (E) = DIM (F) + 1/2 (TEMP - 1601-16)				THIS BEAM IS A BEAM SUPPORT VERIFICATION OF COMPONENTS MUST BE PERFORMED WITH TEMPERATURE COMPENSATION MUST BE PERFORMED WITH TEMPERATURE PER ASME Y14.3			
AT 841°F THE DIMENSION OF THE PART IS 14.72 IN ± 0.017 @ 161.42 IN				GAUGES: DIMENSIONS ARE AT 50°F (151°F) IS REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT (CTE) DIM (G) = (DIM (CTE) (TEMP - 1601-16)) DIM (H) = (DIM (CTE) (TEMP - 1601-16)) DIM (I) = (DIM (CTE) (TEMP - 1601-16))			SIZE DWG. NO. 031 REV 1
GALVANIC PROTECTION REQUIRED: SUNSHINE TYPE 5 (PREFERRED) SUNSHINE TYPE 5 (PREFERRED) THERMAL SHOCK ASSEMBLY ASSEMBLED				PARALLEL FINISH MAX. 0.02 IN FINISHES MAX. 0.002 IN FINISH: AS REQUIRED			SCALE: 1:8 SHEET 1 OF 1