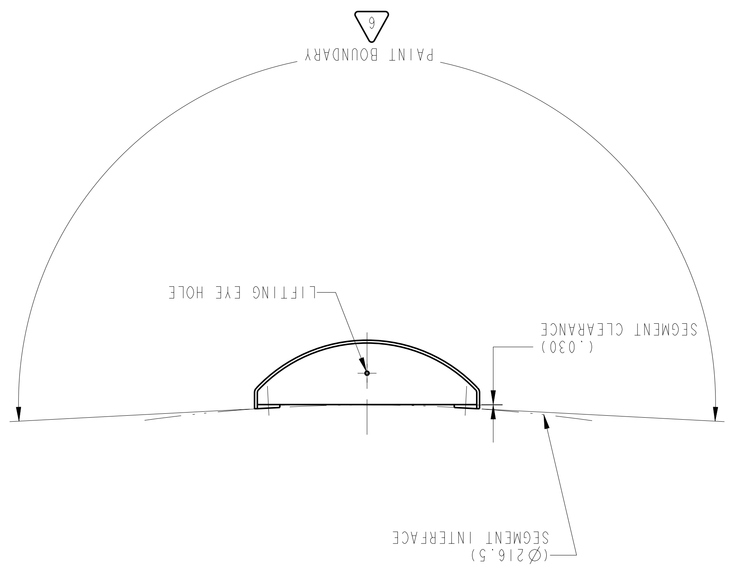

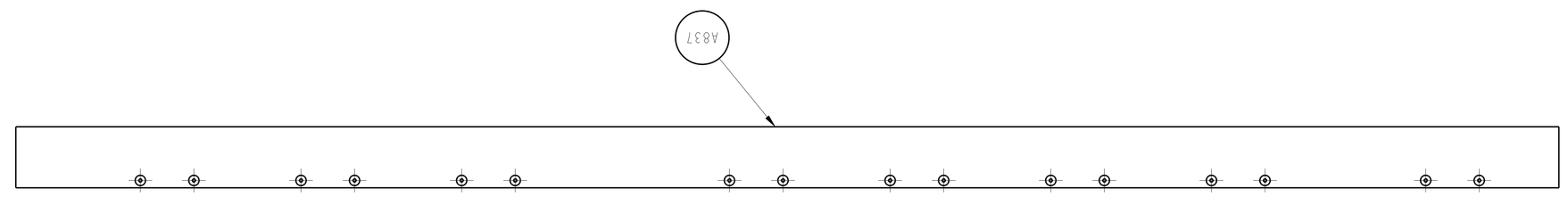

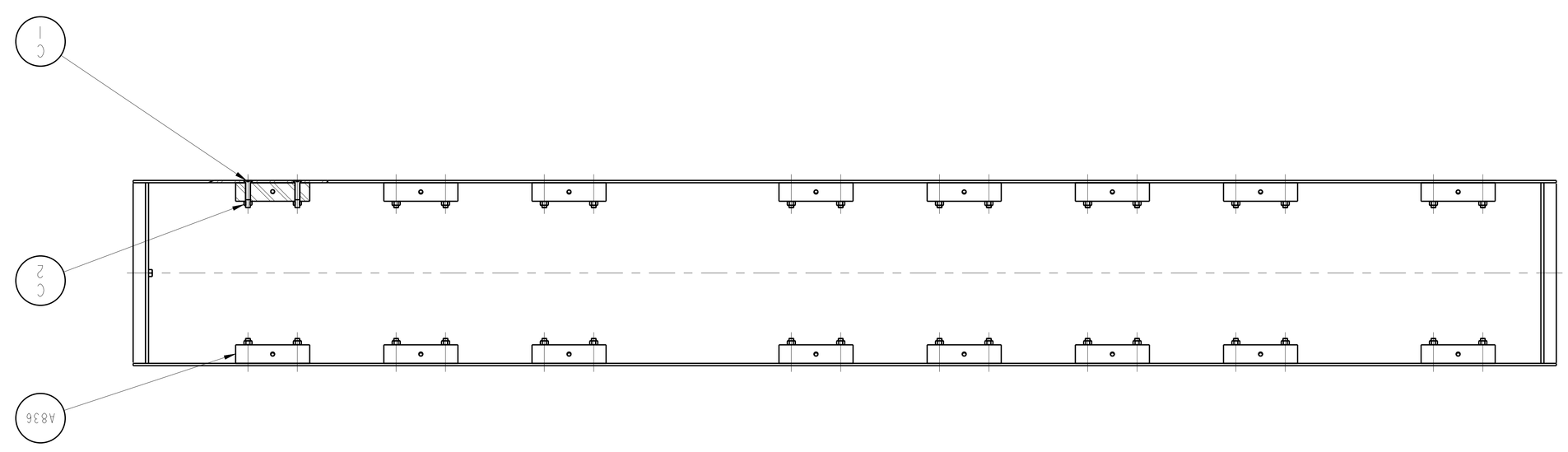

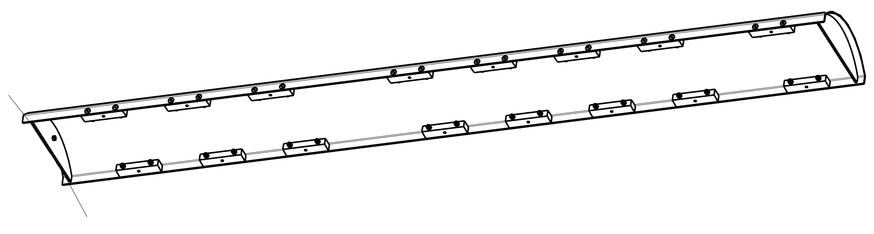

1. ALL FASTENERS ARE CLASSIFIED AS "FAIL-SAFE" FASTENERS AND WILL REQUIRE CERTIFICATION AND TESTING PER TABLE 1 IN NASA-STD-(I)-6008. CERTIFIED MATERIALS TEST REPORT (CMTR) REQUIRED.
2. HEX BOLTS AND HEX SOCKET HEAD CAP SCREWS SHALL CONFORM TO ANSI/ASTM B18.2.1.
3. HEX NUTS SHALL CONFORM TO ANSI/ASTM B18.2.2.
4. TORQUE VALUES SHOWN ARE EFFECTIVE TORQUES ONLY. RUNNING TORQUE MUST BE MEASURED AND ADDED TO THE EFFECTIVE TORQUE VALUES TO DETERMINE THE TOTAL TORQUE. TIGHTEN FASTENERS TO WITHIN TOTAL TORQUE RANGE. USE LUBRICANT.
5. RECOAT THE ENTIRE ASSEMBLY WITH NATIONAL COATINGS Rustshield A120 (BUFF) PRIMER FOLLOWING MANUFACTURERS SUGGESTED APPLICATION PROCEEDURE. THE COATING THICKNESS SHALL BE4-6 MILS (DRY) PER ASTM-D7091.
6. EXTERNAL SURFACES WITHIN INDICATED PAINT BOUNDARY: COAT WITH NATIONAL COATINGS Acryshield HIGH REFLECTIVE A590 (WHITE) TOPCOAT FOLLOWING MANUFACTURERS SUGGESTED APPLICATION PROCEDURE. THE COATING THICKNESS SHALL BE 6-10 MILS (DRY).
7. TOTAL COATING THICKNESS SHALL BE 10-16 MILS (DRY) AS MEASURED PER ASTM-D7091.
8. ESTIMATED WEIGHT: 154 LBS.

TORQUE VALUES (USE LUBRICANT)	
NO.	EFFECTIVE TORQUE
C2	28-30 FT-LBS.

COMMERCIAL PARTS LIST

BALLOON NO	DESCRIPTION	QTY/ ASSY
C1	.375-24 UNJF-3A X 2.2 LONG, 100° FLATHEAD, SOCKET HEAD CAPSCREW, GRADE 8, ALLOY STEEL PER SAE J429, ZINC & YELLOW DICHROMATE PLATED FINISH.	32
C2	.375-24 UNC-2B HEX LOCKNUT, DISTORTED THREAD, GRADE 8, PLAIN STEEL, McMASTER-CARR# 90636A051 OR EQUIVALENT	32

DRAWING LIST

DRAWING NUMBER	BALLOON NO	DESCRIPTION	QTY/ ASSY
06021 3MF A835		SYSTEMS TUNNEL LONG ASSEMBLY	1
06021 3MF A836		MOUNTING BLOCK	16
06021 3MF A837		SYSTEMS TUNNEL LONG WELDMENT	1

PROVE VERSION: Wildfire 2.0

CHG	ZONE	DESCRIPTION	APP/DATE

REVISIONS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN H. GLENN RESEARCH CENTER
LEWIS FIELD
CLEVELAND, OHIO

US-2 SEGMENT ASSEMBLY

06021 3MF A350

A835 SYSTEMS TUNNEL LONG ASSEMBLY

SIZE	DRAWING NUMBER	REV
E	06021 3MF A835	-

AREA	BLDG	REV	SHEET
HI BAY	50	-	1 OF 1

UNITS: INCH	DISCIPLINE	SCALE:	INITIAL REL DATE
MECHANICAL	L/S AND NOTED		02/21/2008

DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994

TOLERANCE ON		
.X	± -	
.XX	± -	
.XXX	± -	
ANGULAR	± -	
FRACTION	± -	
BREAK EDGES	-	

ULESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	CONTRACT	TASK ORDER
	CONTRACTOR	

DRAFTER	DEZ/D. DRAGONY	
ENGINEER	DER/A. HERRMAN	
DESIGNER	DER/A. HERRMAN	

PDM REL LEVEL: Released PDM REVISION: -
PDM DATABASE:
MODEL NAME: 06021 3MF A835.SYS.TUNNEL.LONG
CHECK FOR ANY QUESTIONS ECO'S PRIOR TO USE

PRIOR TO USE VERIFY THE INTENDED PURPOSE IN PDM ("FOR" ATTRIBUTE)

1999	SINGLE PART DRAWING
1999-1	CHARTED PART DRAWING
1999	COMMERCIAL PART
1999	EXISTING PART

Released by AIX USS CMO on 2/22/08
For Procurement Use Only
DO NOT COPY

REV	DATE/INITIAL	ECN	DEV	WAV	IMPLEMENTED
-					

NAMECHLUBR CMBC7068213MF A835_PL_TUNNEL_LONG DATE:11-Feb-08 P2DU7