LENGTH CODED M FOR -11 & -1

LENGTH CODED L FOR -1

11.544 REF

CENTER SECTION THICKNESS VARIES FROM .103 TO .215 REF

UPPER CYLINDER THICKNESS VARIES FROM .103 TO .144 REF

TANK, WELDMENT -21
1 REQD FOR -11

TANK, MACHINED -11
1 REQD FOR -1

PRESSURANT DOME

R10.900
3 PLACES, REF

TANGENCY

THICKNESS VARIES FROM .055 TO .136 REF

ø40.200 REF
INSIDE
2 PLACES

R13.500
3 PLACES, REF

TANGENCY

SS-400-6-4AN
UNION
1 REQD FOR -11

MAJOR AXIS OF PROPELLANT DOME

SR26.700
3 PLACES, REF

4.477
NOMINAL

DIAPHRAGM SUPPORT DOME 2

32°0' TYP, REF

1.608
NOMINAL

58°0' TYP, REF

10.37 REF

6.00±.25

8.89 REF

+Z

ø2.000±.015
TYP, REF

CENTER OF GRAVITY OF TANK WITH FULLY LOADED FUEL

CENTER OF GRAVITY OF DRY TANK WITH DIAPHRAGM IN FULLY EXPELLED POSITION

INTERSECTION OF 26.700 SPHER R & PRINCIPAL AXIS, 3 PLACES

.4375-20 UNF-2B
THREAD X .40 MIN DEEP
2 PLACES, REF
FOR DRY TANK HANDLING ONLY.
COMBIND WEIGHT OF TANK
AND HANDLING FIXTURE SHALL
NOT EXCEED 150 LB.

3.544 REF

.950
REF

14.128 REF

MAJOR AXIS OF DIAPHRAGM SUPPORT DOME

MAJOR AXIS OF PRESSURANT DOME

31.80±.06 REF
INSIDE

14.128
TYP REF

.95
REF

ø40.85 MAX
WELD BEAD

39.80±.17 REF
INSIDE

D SHEET 2

PROPELLANT DOME

80-523105-1
CHAMBER ASSY
- MACHINED
1 REQD FOR -21

80-451090-1
EXPULSION ASSY
1 REQD FOR -21

SHEET 2 F

TANK

14 N

15.55 FOR -11 & -1

-A-
.015 11

41.70±.20 FOR -11 & -1

+X

(RECOMMENDED CUSTOMER TRIM POINT)

2.00 MIN L

ø.252 / .250 X .016±.002 WALL 3
FOR LENGTH CODED L

8.75 FOR -1

+Y

J

K

PRESSURANT

1

8 N

+X

CENTER OF GRAVITY OF DRY TANK WITH DIAPHRAGM IN FULLY EXPELLED POSITION

+Y

.0090
NOMINAL

.0322
NOMINAL

VIEW K
SCALE: NONE

+X

CENTER OF GRAVITY OF TANK WITH FULLY LOADED FUEL

+Y

.0008
NOMINAL

.0033
NOMINAL

VIEW J

ATK SPACE SYSTEMS, INC.
LOS ANGELES, CALIFORNIA

TANK, PROPELLANT

CAGE CODE	SIZE	DWG NO.	REV.
18229	E	80523	A

SCALE: 1/2 SHEET