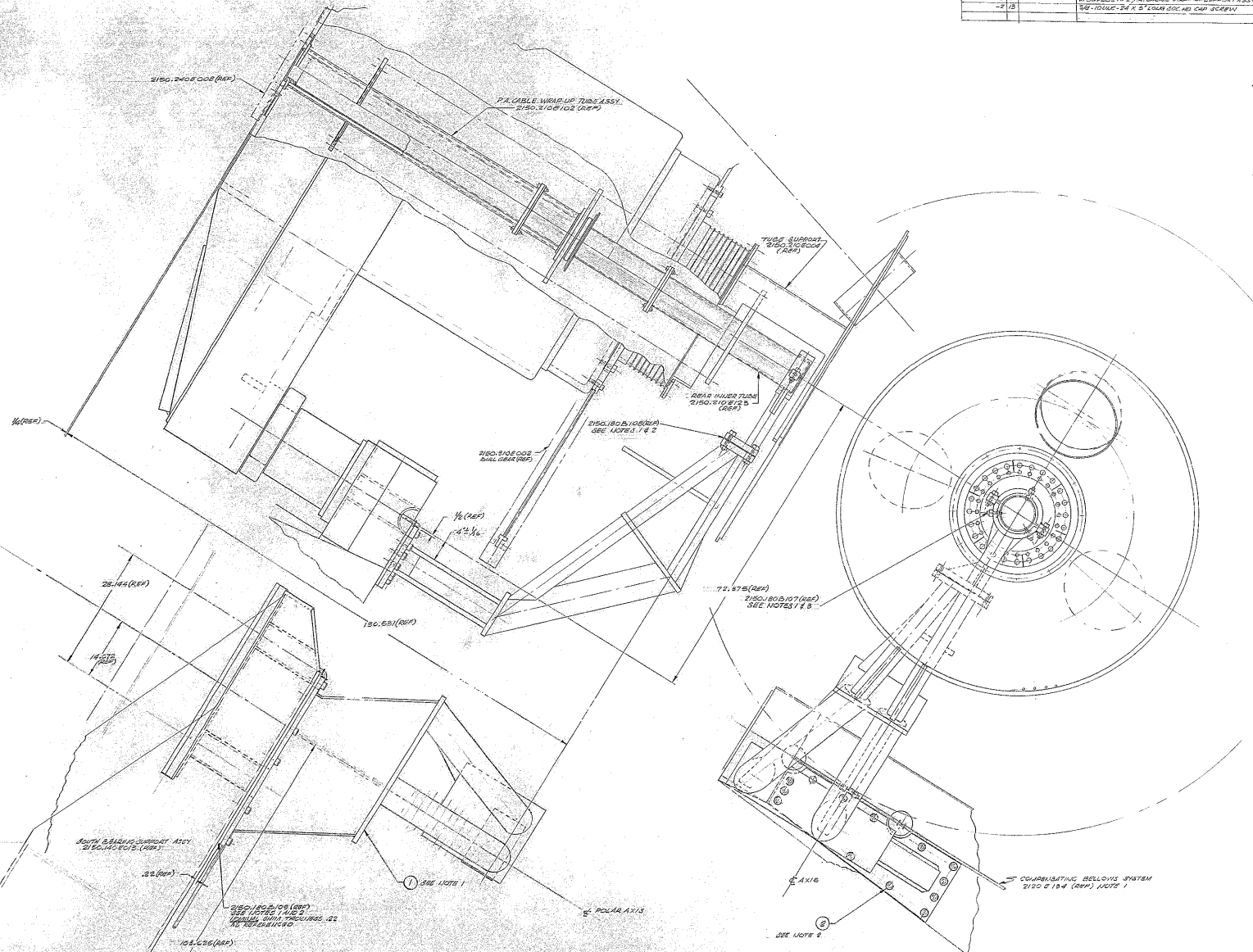


BILL OF MATERIAL				
ITEM	QTY	MATERIAL	DESCRIPTION	ISSUED
-1	1		2150-100-107 (REF)	
-2	2		2150-100-107 (REF)	



NOTES:

1. LOCATE THIS ASSEMBLY ON THE TELESCOPE ONLY AFTER POLAR AXIS ASSEMBLY HAS BEEN INSTALLED AND THE COMPENSATING BELLOWS HAVE BEEN PROPERLY ADJUSTED AND POSITIONED. AFTER SHIMMING 2150-100-103, ALSO 2150-100-105 AS REQUIRED TO LOCATE P.A. CABLE WRAP-UP SUPPORT ASSEMBLY FROM 1 AS SHOWN AND TO HOLD THE P.A. CABLE WRAP-UP TUBE ASSEMBLY, 2150-100-102, ON THE POLAR AXIS OF THE TELESCOPE, THIS IS TO BE WITH THE ADJUSTING SCREW, 2150-100-107, WITHIN THE 1/4 (REF) SLOTS LOCATION IN THE THREE SLOTS IN REAR HUBER TUBE, 2150-100-103.
2. MATCH DRILL SOUTH BEARING SUPPORT ASSEMBLY, 2150-100-104, FOR 1/8 (REF) DIA. THERMID, IS PLACED LOCATED FROM FROM 1 FROM ITEM 1.
3. THE TUBE ADJUSTING SCREW, 2150-100-107, TO BE SETUP WITH SUFFICIENT CLEARANCE TO THE REAR HUBER TUBE SLOTS TO PERMIT AXIAL MOVEMENT OF THE CABLE WRAP-UP TUBE ASSEMBLY DURING HYDROSTATIC BEARING LIFT OFF.

FOR ASSEMBLY USE		TOLERANCES UNLESS OTHERWISE SPECIFIED		KITT PEAK NATIONAL OBSERVATORY	
FRIGIDAL DIMENSIONS	± .0005	FRIGIDAL DIMENSIONS	± .0005	OWNED BY THE ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	
FRIGIDAL DIMENSIONS	± .001	FRIGIDAL DIMENSIONS	± .001	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	
FRIGIDAL DIMENSIONS	± .002	FRIGIDAL DIMENSIONS	± .002	1/30" STEEL/ALU. TELESCOPE	
FRIGIDAL DIMENSIONS	± .005	FRIGIDAL DIMENSIONS	± .005	NAME: LAYOUT OF INSTALLATION OF P.A. CABLE WRAP-UP SUPPORT ASSEMBLY	
FRIGIDAL DIMENSIONS	± .010	FRIGIDAL DIMENSIONS	± .010	SCALE: 7/8" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± .020	FRIGIDAL DIMENSIONS	± .020	SCALE: 1/2" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± .050	FRIGIDAL DIMENSIONS	± .050	SCALE: 1/4" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± .100	FRIGIDAL DIMENSIONS	± .100	SCALE: 1/8" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± .200	FRIGIDAL DIMENSIONS	± .200	SCALE: 1/16" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± .500	FRIGIDAL DIMENSIONS	± .500	SCALE: 1/32" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 1.000	FRIGIDAL DIMENSIONS	± 1.000	SCALE: 1/64" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 2.000	FRIGIDAL DIMENSIONS	± 2.000	SCALE: 1/32" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 5.000	FRIGIDAL DIMENSIONS	± 5.000	SCALE: 1/16" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 10.000	FRIGIDAL DIMENSIONS	± 10.000	SCALE: 1/8" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 20.000	FRIGIDAL DIMENSIONS	± 20.000	SCALE: 1/4" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 50.000	FRIGIDAL DIMENSIONS	± 50.000	SCALE: 1/2" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 100.000	FRIGIDAL DIMENSIONS	± 100.000	SCALE: 3/8" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 200.000	FRIGIDAL DIMENSIONS	± 200.000	SCALE: 1/4" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 500.000	FRIGIDAL DIMENSIONS	± 500.000	SCALE: 1/16" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 1000.000	FRIGIDAL DIMENSIONS	± 1000.000	SCALE: 1/32" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 2000.000	FRIGIDAL DIMENSIONS	± 2000.000	SCALE: 1/64" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 5000.000	FRIGIDAL DIMENSIONS	± 5000.000	SCALE: 1/256" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 10000.000	FRIGIDAL DIMENSIONS	± 10000.000	SCALE: 1/512" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 20000.000	FRIGIDAL DIMENSIONS	± 20000.000	SCALE: 1/1024" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 50000.000	FRIGIDAL DIMENSIONS	± 50000.000	SCALE: 1/2048" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 100000.000	FRIGIDAL DIMENSIONS	± 100000.000	SCALE: 1/4096" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 200000.000	FRIGIDAL DIMENSIONS	± 200000.000	SCALE: 1/8192" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 500000.000	FRIGIDAL DIMENSIONS	± 500000.000	SCALE: 1/16384" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 1000000.000	FRIGIDAL DIMENSIONS	± 1000000.000	SCALE: 1/32768" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 2000000.000	FRIGIDAL DIMENSIONS	± 2000000.000	SCALE: 1/65536" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 5000000.000	FRIGIDAL DIMENSIONS	± 5000000.000	SCALE: 1/131072" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 10000000.000	FRIGIDAL DIMENSIONS	± 10000000.000	SCALE: 1/262144" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 20000000.000	FRIGIDAL DIMENSIONS	± 20000000.000	SCALE: 1/524288" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 50000000.000	FRIGIDAL DIMENSIONS	± 50000000.000	SCALE: 1/1048576" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 100000000.000	FRIGIDAL DIMENSIONS	± 100000000.000	SCALE: 1/2097152" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 200000000.000	FRIGIDAL DIMENSIONS	± 200000000.000	SCALE: 1/4194304" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 500000000.000	FRIGIDAL DIMENSIONS	± 500000000.000	SCALE: 1/8388608" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 1000000000.000	FRIGIDAL DIMENSIONS	± 1000000000.000	SCALE: 1/16777216" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 2000000000.000	FRIGIDAL DIMENSIONS	± 2000000000.000	SCALE: 1/33554432" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 5000000000.000	FRIGIDAL DIMENSIONS	± 5000000000.000	SCALE: 1/67108864" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 10000000000.000	FRIGIDAL DIMENSIONS	± 10000000000.000	SCALE: 1/134217728" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 20000000000.000	FRIGIDAL DIMENSIONS	± 20000000000.000	SCALE: 1/268435456" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 50000000000.000	FRIGIDAL DIMENSIONS	± 50000000000.000	SCALE: 1/536870912" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 100000000000.000	FRIGIDAL DIMENSIONS	± 100000000000.000	SCALE: 1/1073741824" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 200000000000.000	FRIGIDAL DIMENSIONS	± 200000000000.000	SCALE: 1/2147483648" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 500000000000.000	FRIGIDAL DIMENSIONS	± 500000000000.000	SCALE: 1/4294967296" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 1000000000000.000	FRIGIDAL DIMENSIONS	± 1000000000000.000	SCALE: 1/8589934592" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 2000000000000.000	FRIGIDAL DIMENSIONS	± 2000000000000.000	SCALE: 1/17179869184" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 5000000000000.000	FRIGIDAL DIMENSIONS	± 5000000000000.000	SCALE: 1/34359738368" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 10000000000000.000	FRIGIDAL DIMENSIONS	± 10000000000000.000	SCALE: 1/68719476736" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 20000000000000.000	FRIGIDAL DIMENSIONS	± 20000000000000.000	SCALE: 1/137438953472" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 50000000000000.000	FRIGIDAL DIMENSIONS	± 50000000000000.000	SCALE: 1/274877906944" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 100000000000000.000	FRIGIDAL DIMENSIONS	± 100000000000000.000	SCALE: 1/549755813888" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 200000000000000.000	FRIGIDAL DIMENSIONS	± 200000000000000.000	SCALE: 1/1099511627776" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 500000000000000.000	FRIGIDAL DIMENSIONS	± 500000000000000.000	SCALE: 1/2199023255552" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 1000000000000000.000	FRIGIDAL DIMENSIONS	± 1000000000000000.000	SCALE: 1/4398046511104" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 2000000000000000.000	FRIGIDAL DIMENSIONS	± 2000000000000000.000	SCALE: 1/8796093022208" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 5000000000000000.000	FRIGIDAL DIMENSIONS	± 5000000000000000.000	SCALE: 1/17592186044416" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 10000000000000000.000	FRIGIDAL DIMENSIONS	± 10000000000000000.000	SCALE: 1/35184372088832" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 20000000000000000.000	FRIGIDAL DIMENSIONS	± 20000000000000000.000	SCALE: 1/70368744177664" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 50000000000000000.000	FRIGIDAL DIMENSIONS	± 50000000000000000.000	SCALE: 1/140737488355328" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 100000000000000000.000	FRIGIDAL DIMENSIONS	± 100000000000000000.000	SCALE: 1/281474976710656" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 200000000000000000.000	FRIGIDAL DIMENSIONS	± 200000000000000000.000	SCALE: 1/562949953421312" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 500000000000000000.000	FRIGIDAL DIMENSIONS	± 500000000000000000.000	SCALE: 1/1125899906842624" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 1000000000000000000.000	FRIGIDAL DIMENSIONS	± 1000000000000000000.000	SCALE: 1/2251799813685248" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 2000000000000000000.000	FRIGIDAL DIMENSIONS	± 2000000000000000000.000	SCALE: 1/4503599627370496" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 5000000000000000000.000	FRIGIDAL DIMENSIONS	± 5000000000000000000.000	SCALE: 1/9007199254740992" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 10000000000000000000.000	FRIGIDAL DIMENSIONS	± 10000000000000000000.000	SCALE: 1/18014398509481984" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 20000000000000000000.000	FRIGIDAL DIMENSIONS	± 20000000000000000000.000	SCALE: 1/36028797018963968" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 50000000000000000000.000	FRIGIDAL DIMENSIONS	± 50000000000000000000.000	SCALE: 1/72057594037927936" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 100000000000000000000.000	FRIGIDAL DIMENSIONS	± 100000000000000000000.000	SCALE: 1/144115188075855872" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 200000000000000000000.000	FRIGIDAL DIMENSIONS	± 200000000000000000000.000	SCALE: 1/288230376151711744" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 500000000000000000000.000	FRIGIDAL DIMENSIONS	± 500000000000000000000.000	SCALE: 1/576460752303423488" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 1000000000000000000000.000	FRIGIDAL DIMENSIONS	± 1000000000000000000000.000	SCALE: 1/1152921504606846976" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 2000000000000000000000.000	FRIGIDAL DIMENSIONS	± 2000000000000000000000.000	SCALE: 1/2305843009213693952" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 5000000000000000000000.000	FRIGIDAL DIMENSIONS	± 5000000000000000000000.000	SCALE: 1/4611686018427387904" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 10000000000000000000000.000	FRIGIDAL DIMENSIONS	± 10000000000000000000000.000	SCALE: 1/9223372036854775808" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 20000000000000000000000.000	FRIGIDAL DIMENSIONS	± 20000000000000000000000.000	SCALE: 1/18446744073709551616" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 50000000000000000000000.000	FRIGIDAL DIMENSIONS	± 50000000000000000000000.000	SCALE: 1/36893488147419103232" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 100000000000000000000000.000	FRIGIDAL DIMENSIONS	± 100000000000000000000000.000	SCALE: 1/73786976294838206464" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 200000000000000000000000.000	FRIGIDAL DIMENSIONS	± 200000000000000000000000.000	SCALE: 1/147573952593676412928" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 500000000000000000000000.000	FRIGIDAL DIMENSIONS	± 500000000000000000000000.000	SCALE: 1/295147905187352825856" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 1000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 1000000000000000000000000.000	SCALE: 1/590295810374705651712" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 2000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 2000000000000000000000000.000	SCALE: 1/1180591620749411303424" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 5000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 5000000000000000000000000.000	SCALE: 1/2361183241498822606848" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 10000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 10000000000000000000000000.000	SCALE: 1/4722366482997645213696" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 20000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 20000000000000000000000000.000	SCALE: 1/9444732965995290427392" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 50000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 50000000000000000000000000.000	SCALE: 1/18889465931990580854784" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 100000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 100000000000000000000000000.000	SCALE: 1/37778931863981161709568" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 200000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 200000000000000000000000000.000	SCALE: 1/75557863727962323419136" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 500000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 500000000000000000000000000.000	SCALE: 1/151115727455924646838272" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 1000000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 1000000000000000000000000000.000	SCALE: 1/302231454911849293676544" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 2000000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 2000000000000000000000000000.000	SCALE: 1/604462909823698587353088" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 5000000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 5000000000000000000000000000.000	SCALE: 1/1208925819647397174706176" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 10000000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 10000000000000000000000000000.000	SCALE: 1/241785163929479434941232" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 20000000000000000000000000000.000	FRIGIDAL DIMENSIONS	± 20000000000000000000000000000.000	SCALE: 1/483570327858958869882464" = 1" (SEE NOTE 1)	
FRIGIDAL DIMENSIONS	± 5000000000000000				