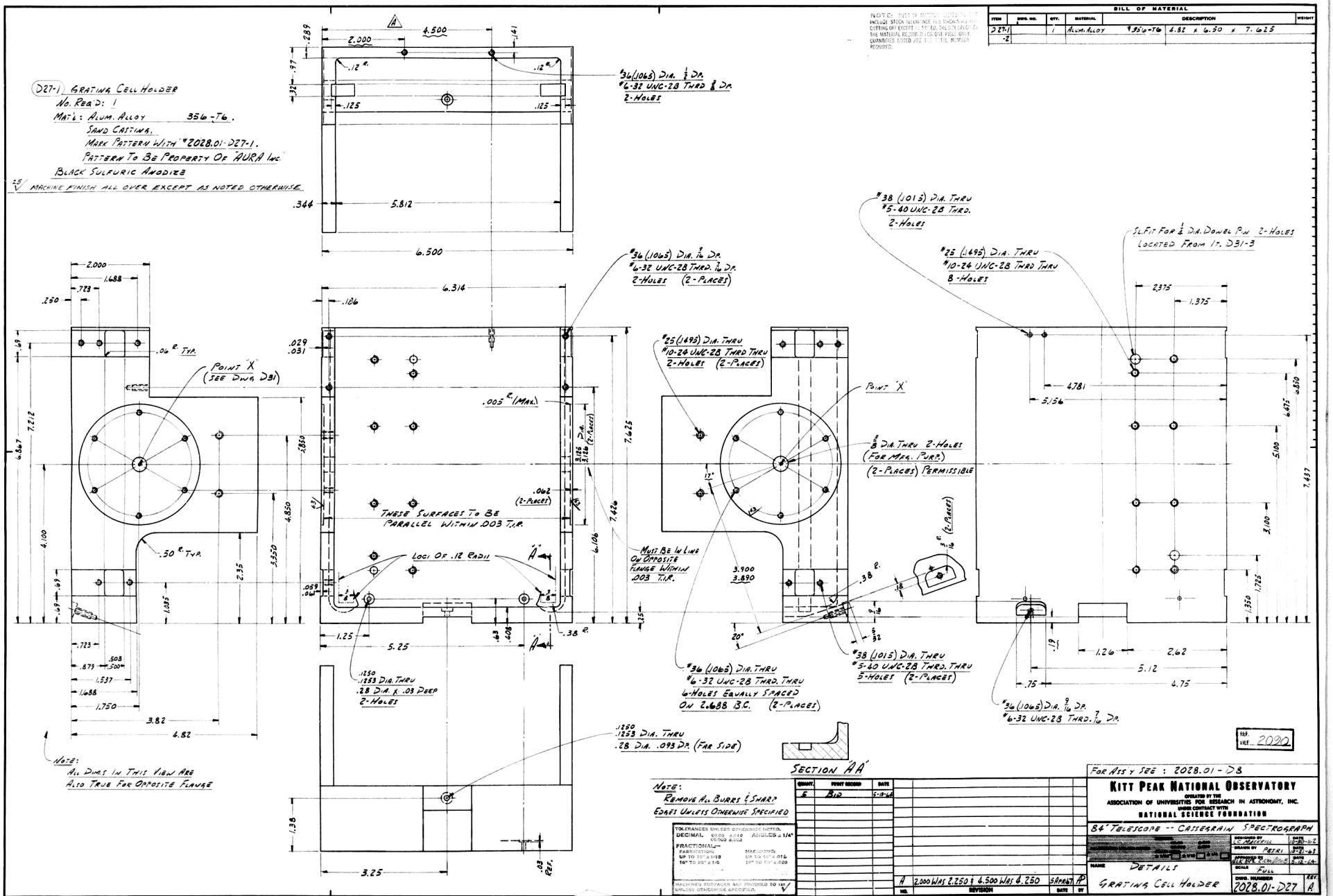

(D27-1) GRATING CELL HOLDER
No. Req'd: 1
Mat'l: Alum. Alloy 356-T6.
Sand Casting.
Mark Pattern With "2028.01-D27-1.
Pattern To Be Property Of "AURA Inc."
Black Sulfuric Anodize
125 MACHINE FINISH ALL OVER EXCEPT AS NOTED OTHERWISE
NOTE: ALL DIMS IN THIS VIEW ARE ALSO TRUE FOR OPPOSITE FLANGE
#36 (.1065) DIA. 1/2 DP. #6-32 UNC-2B THRD 5/8 DP. 2-HOLES
#38 (.1015) DIA. THRU #5-40 UNC-2B THRD. 2-HOLES
S.L.FIT FOR 1/4 DIA. DOWEL PIN 2-HOLES LOCATED FROM 1T. D31-3
#25 (.1495) DIA. THRU #10-24 UNC-2B THRD THRU 8-HOLES
#36 (.1065) DIA. 9/16 DP. #6-32 UNC-2B THRD. 1/2 DP. 2-HOLES (2-PLACES)
#25 (.1495) DIA. THRU #10-24 UNC-2B THRD THRU 2-HOLES (2-PLACES)
POINT "X" (SEE DWG. D31)
POINT "X"
3/8 DIA. THRU 2-HOLES (FOR MFG. PURP.) (2-PLACES) PERMISSIBLE
.005 R. (MAX.)
THESE SURFACES TO BE PARALLEL WITHIN .003 T.I.R.
LOCI OF .12 RADII
MUST BE IN LINE ON OPPOSITE FLANGE WITHIN .003 T.I.R.
#36 (.1065) DIA. THRU #6-32 UNC-2B THRD. THRU 6-HOLES EQUALLY SPACED ON 2.688 B.C. (2-PLACES)
#38 (.1015) DIA. THRU #5-40 UNC-2B THRD. THRU 5-HOLES (2-PLACES)
#36 (.1065) DIA. 9/16 DP. #6-32 UNC-2B THRD. 7/16 DP.
.1250 .1253 DIA. THRU .28 DIA. X .03 DEEP 2-HOLES
.1250 .1253 DIA. THRU .28 DIA. .093 DP. (FAR SIDE)
SECTION 'AA'
NOTE: REMOVE ALL BURRS & SHARP EDGES UNLESS OTHERWISE SPECIFIED
TOLERANCES UNLESS OTHERWISE NOTED: DECIMAL .XX ±.010 .XXX ±.005 ANGLES ±1/4° FRACTIONAL— FABRICATION: UP TO 10" ±1/16 10" TO 20" ±1/8 MACHINING: UP TO 10" ±.016 10" TO 20" ±.029
MACHINED SURFACES ARE FINISHED TO 125 UNLESS OTHERWISE SPECIFIED.
BILL OF MATERIAL
ITEM | DWG. NO. | QTY. | MATERIAL | DESCRIPTION | WEIGHT
D27-1 | | 1 | ALUM. ALLOY | 356-T6 | 6.82 x 6.50 x 7.625
-2
NOTE: BEST OF MATERIAL LISTED DO NOT INCLUDE STOCK ALLOWANCE FOR MACHINING AND CUTTING OF EXCEPT AS NOTED. SALES SPECIFICATE THE MATERIAL REQUIRED FOR ONE PIECE ONLY. QUANTITIES NOTED ARE THE TOTAL NUMBER REQUIRED.
QUANT. | PRINT RECORD | DATE
E | BID | 5-13-64
A | 2.000 WAS 2.250 & 4.500 WAS 4.250 | 6 APPRV'D | DATE | BY
REVISION
FOR ASS'Y SEE : 2028.01-D8
KITT PEAK NATIONAL OBSERVATORY
OPERATED BY THE ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC. UNDER CONTRACT WITH NATIONAL SCIENCE FOUNDATION
84" TELESCOPE -- CASSEGRAIN SPECTROGRAPH
DESIGNED BY L.D. MACKRILL DATE 12-20-63
DRAWN BY PETRI DATE 12-26-63
ATTACHED TO DATE
SCALE FULL
NAME DETAILS
GRATING CELL HOLDER
DWG. NUMBER 2028.01-D27
REV A
REF. FILE 2020