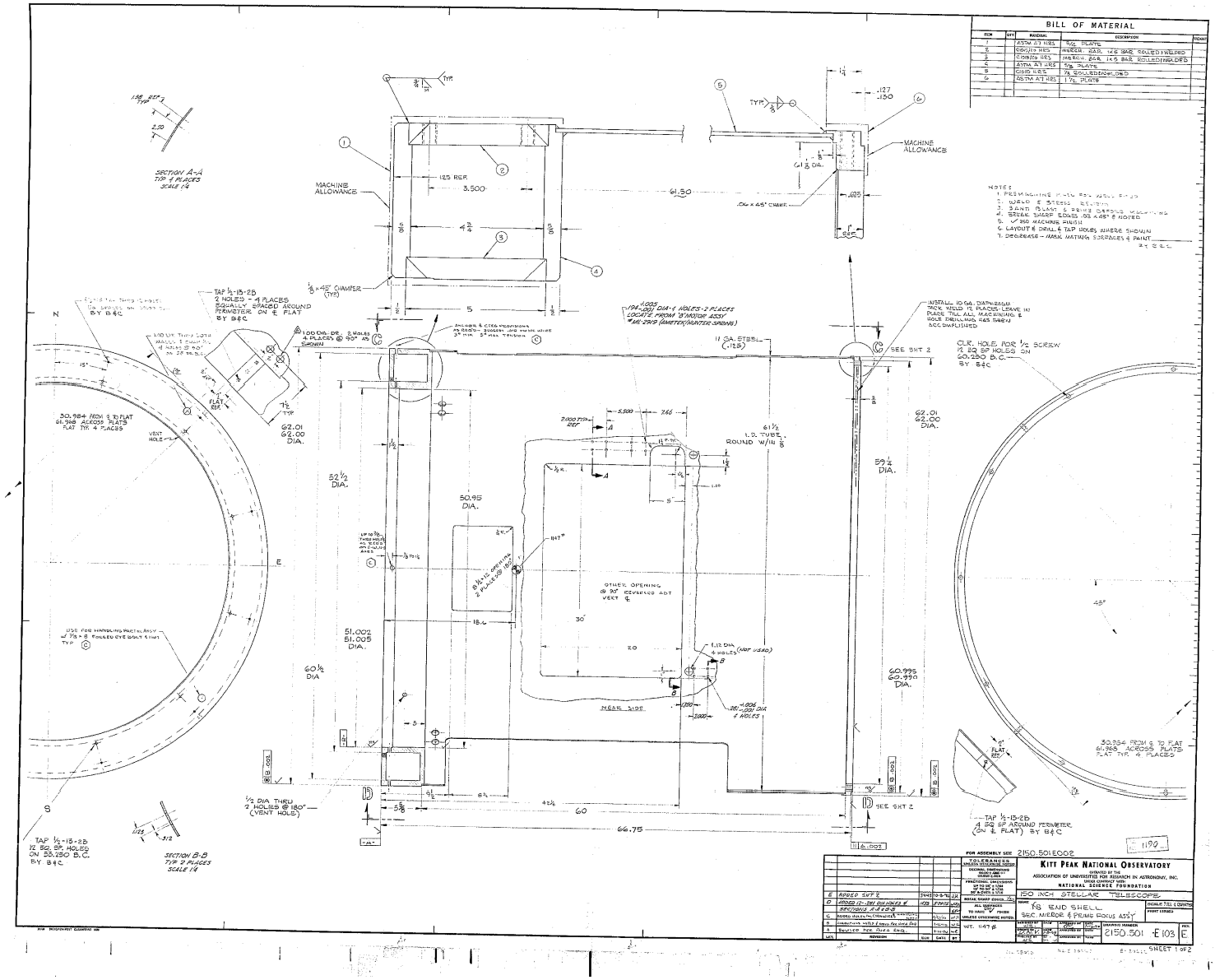
BILL OF MATERIAL
SECTION A-A
TYP 4 PLACES
SCALE 1/4
MACHINE ALLOWANCE
3.500
61.50
.125 REF.
1/8 x 45° CHAMFER (TYP)
TAP 1/2-13-2B
2 HOLES - 4 PLACES
EQUALLY SPACED AROUND
PERIMETER ON ℄ FLAT
BY B&C
1.00 DIA. DR. 2 HOLES
4 PLACES @ 90° AS
SHOWN
62.01
62.00
DIA.
52 1/2
DIA.
50.95
DIA.
51.002
51.005
DIA.
60 1/2
DIA
30.984 FROM ℄ TO FLAT
61.988 ACROSS FLATS
FLAT TYP. 4 PLACES
VENT HOLE
USE FOR HANDLING PARTIAL ASSY
1 7/8 x 8 FORGED EYE BOLT & NUT
TYP
TAP 1/2-13-2B
12 EQ SP HOLES
ON 53.250 B.C.
BY B&C
SECTION B-B
TYP 2 PLACES
SCALE 1/4
1/2 DIA THRU
12 HOLES @ 180°
(VENT HOLE)
11 GA. STEEL
(.128)
1.D. TUBE
ROUND W/W
OTHER OPENING
@ 90° REVERSED ADJ
VERT ℄
NEAR SIDE
1.12 DIA
4 HOLES (NOT USED)
.1406 - .001 DIA
4 HOLES
SEE SHT 2
CLR. HOLE FOR 1/2 SCREW
12 EQ SP HOLES ON
60.250 B.C.
BY B&C
59 1/2
DIA.
60.995
60.990
DIA.
30.984 FROM ℄ TO FLAT
61.988 ACROSS FLATS
FLAT TYP. 4 PLACES
TAP 1/2-13-2B
4 EQ SP AROUND PERIMETER
(ON ℄ FLAT) BY B&C
66.75
60
NOTES:
1. PRE MACHINE PLATE WELL ENDS
2. WELD & STRESS RELIEVE
3. SAND BLAST & REMOVE DEPOSIT MACHINING
4. REMOVE SHARP EDGES ON ALL & NOTED
5. ✓250 MACHINE FINISH
6. LAYOUT & DRILL & TAP HOLES WHERE SHOWN
7. DEGREASE - MASK MATING SURFACES & PAINT
FOR ASSEMBLY SEE 2150.501E002
KITT PEAK NATIONAL OBSERVATORY
OPERATED BY THE
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.
UNDER CONTRACT WITH
NATIONAL SCIENCE FOUNDATION
TOLERANCES UNLESS OTHERWISE NOTED
DECIMAL DIMENSIONS
.XX ± .01 .XXX ± .005
.XXXX ± .0005
FRACTIONAL DIMENSIONS
32 TO 60 ± 1/64
16 TO 32 ± 1/32
8 TO 16 ± 1/16
ALL SURFACES TO HAVE 125 FINISH UNLESS OTHERWISE NOTED
MATERIAL SHARP EDGES 1/64
E RIVETED SHT 2
D RIVETED (2-281 DIA HOLES) & REFERENCE A & B & C
C RIVETED HOLES ON MATERIAL
B CORRECTION NOTE & DWGS REVISED (NO)
A REVISED PER DWG. ENG.
REVISION
WT. 1147 #
150 INCH STELLAR TELESCOPE
F/8 END SHELL
SEC MIRROR & PRIME FOCUS ASSY
2150.501 E103
E
SHEET 1 OF 2