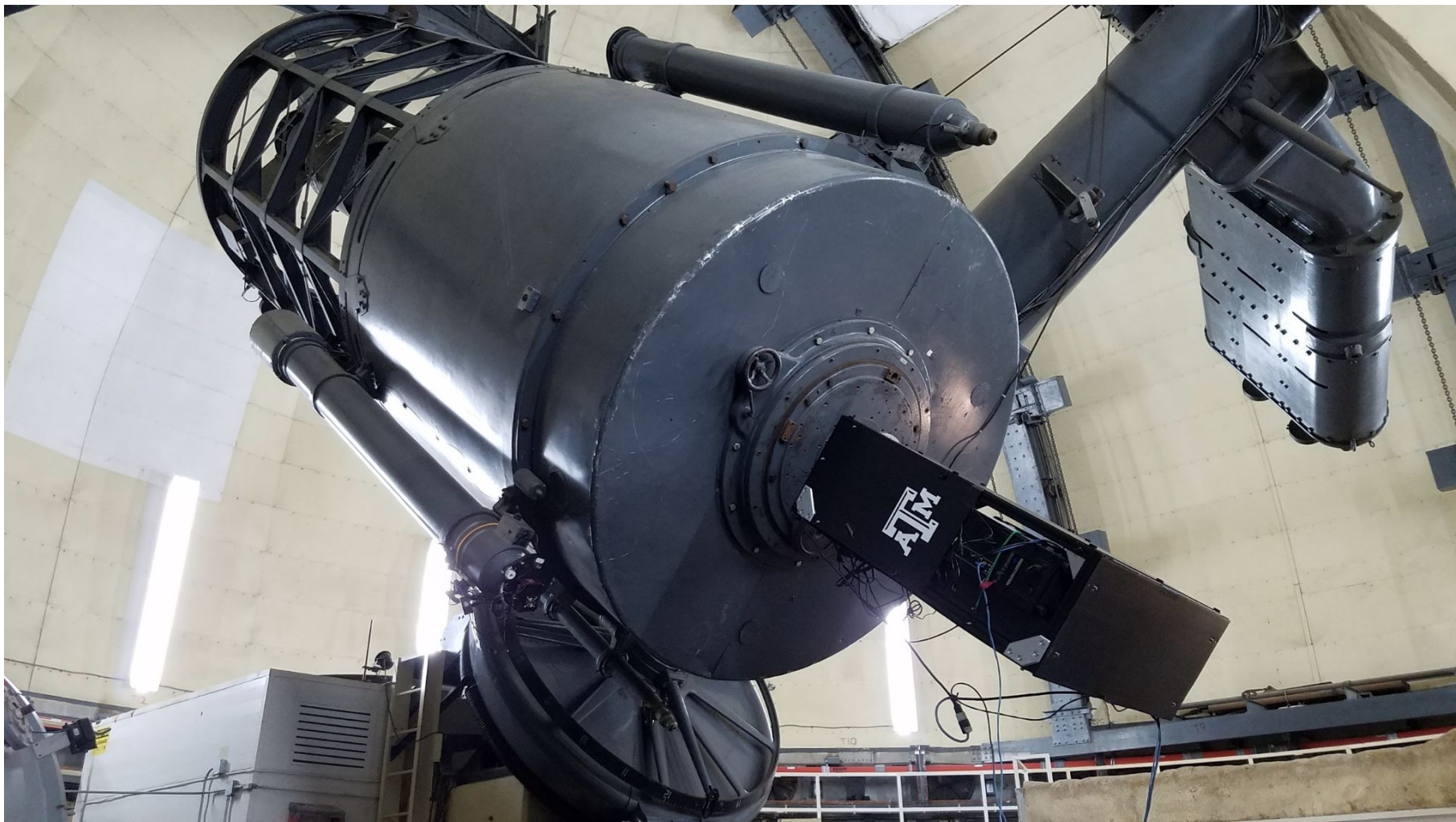


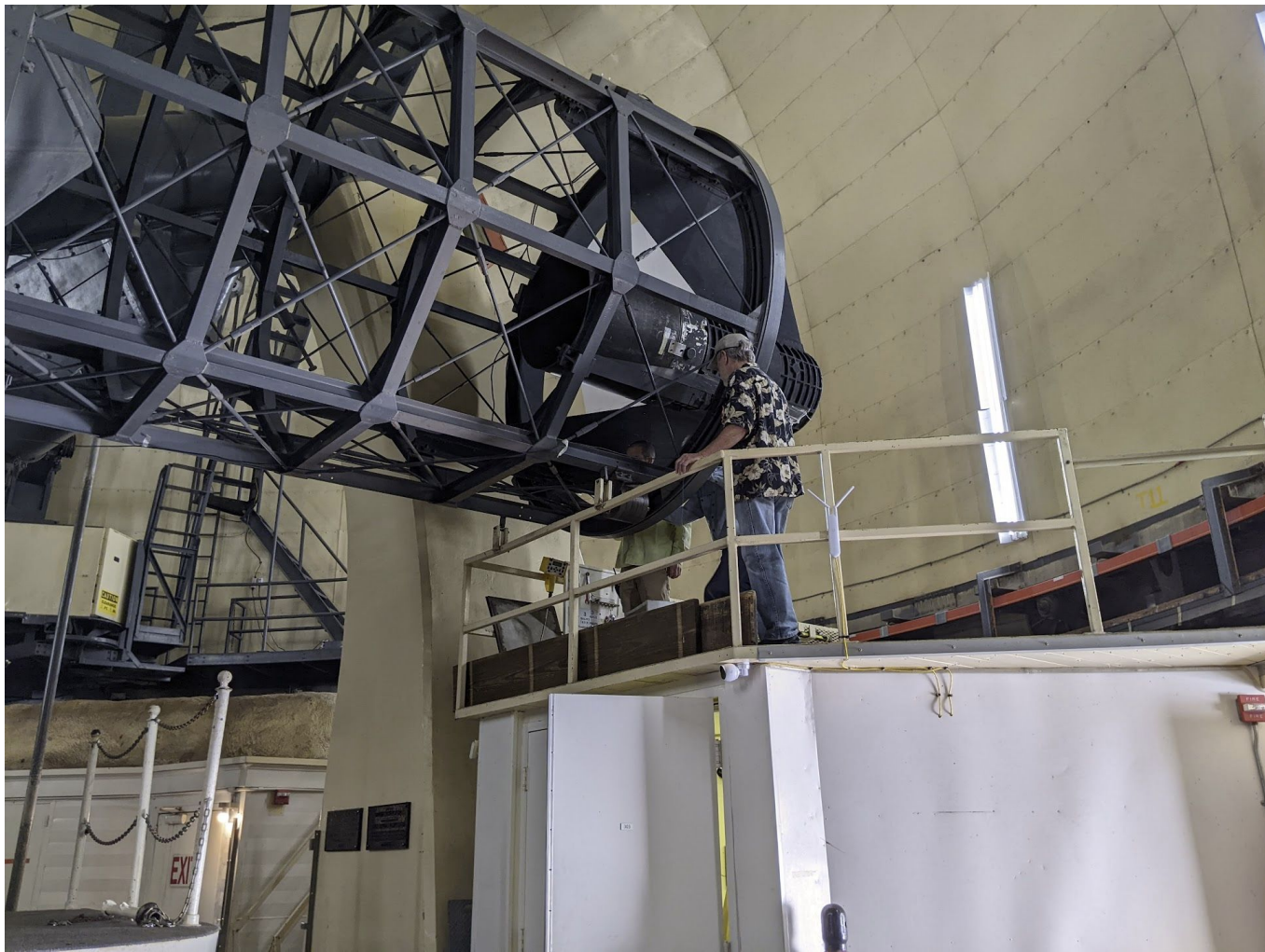
McDonald 82" Telescope







Dome Control



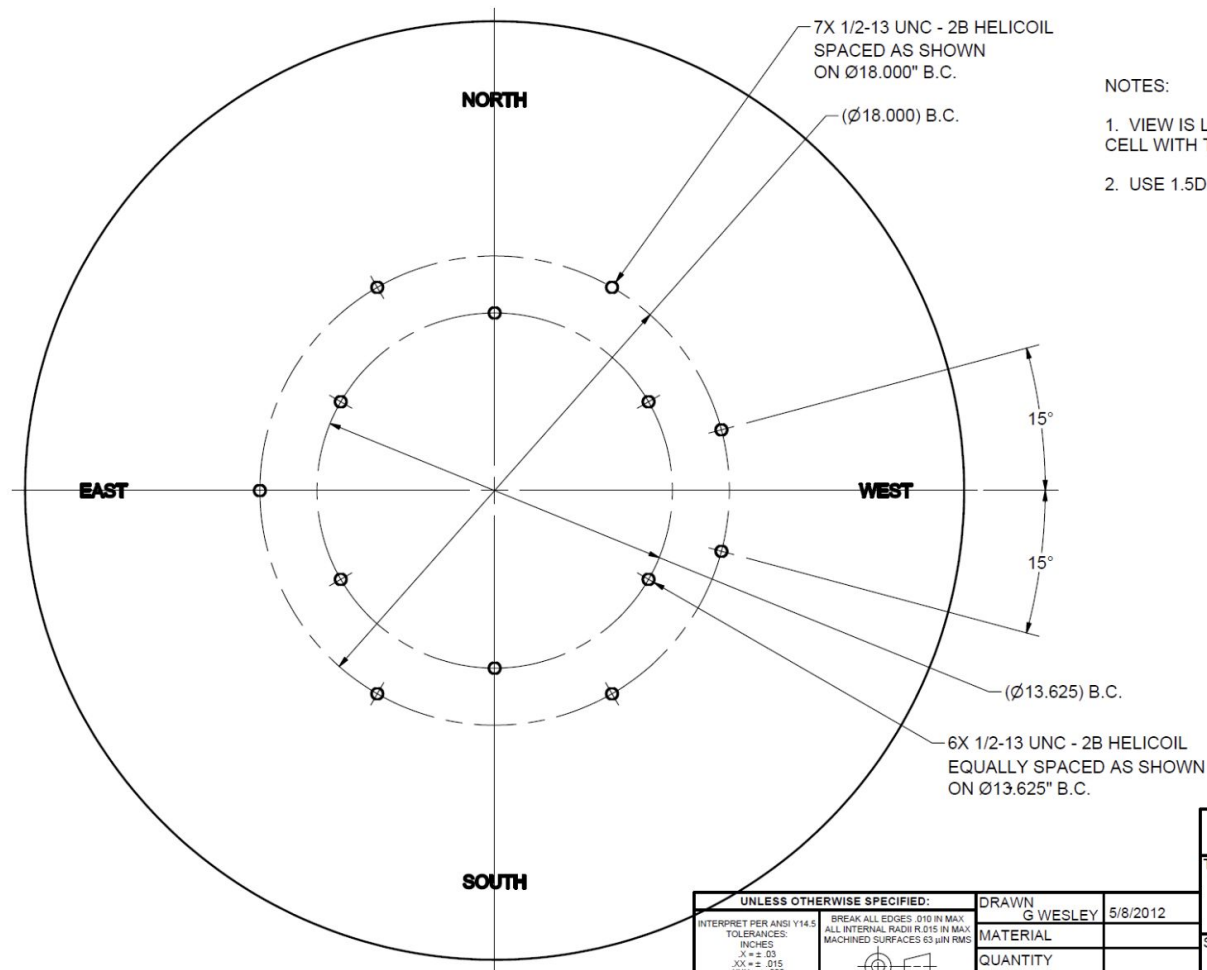
M2 Access



Telescope Interface

Flange Focal Distance: 406mm

13.625" B.C.



NOTES:

1. VIEW IS LOOKING AT THE BOTTOM OF THE PRIMARY CELL WITH THE TELESCOPE TUBE POINTING AT ZENITH.
2. USE 1.5D HELICOIL.

DWG: CASS BOLT PATTERN.dwg; PART: CASS BOLT PATTERN.ipt

McDonald Observatory

The University of Texas at Austin

TITLE
BOLT PATTERN FOR MCDONALD 30-INCH
TELESCOPE

UNLESS OTHERWISE SPECIFIED:

INTERPRET PER ANSI Y14.5
TOLERANCES:
INCHES:
X = ± .03
XX = ± .015
XXX = ± .005
ANGLES ± 5°

BREAK ALL EDGES .010 IN MAX.
ALL INTERNAL RADI R.015 IN MAX.
MACHINED SURFACES 63 µIN RMS



DRAWN
G WESLEY 5/8/2012

MATERIAL

QUANTITY

DWG UNITS (IN/MM)

SIZE
B

DWG NO

CASS BOLT
PATTERN

REV

SCALE:

SHEET 1 OF 1



Cable Path to Control Room - Strain relief is important!



Work Platforms

<https://photos.app.goo.gl/sNpPVyLkCx4DTCfD8>





Close clearance
between back
of secondary
and dome.

Cassegrain focus

Focal length 28.53 m
 (96.6')

F-ratio 13.7

Field angle 20 arcmin

Plate scale 7.23
 arcsec/mm

Fiber Diameter [μm]	Angular Size [arcsec]
50	0.36
100	0.72
150	1.08
200	1.45

McDonald Typical Seeing: 1-2"