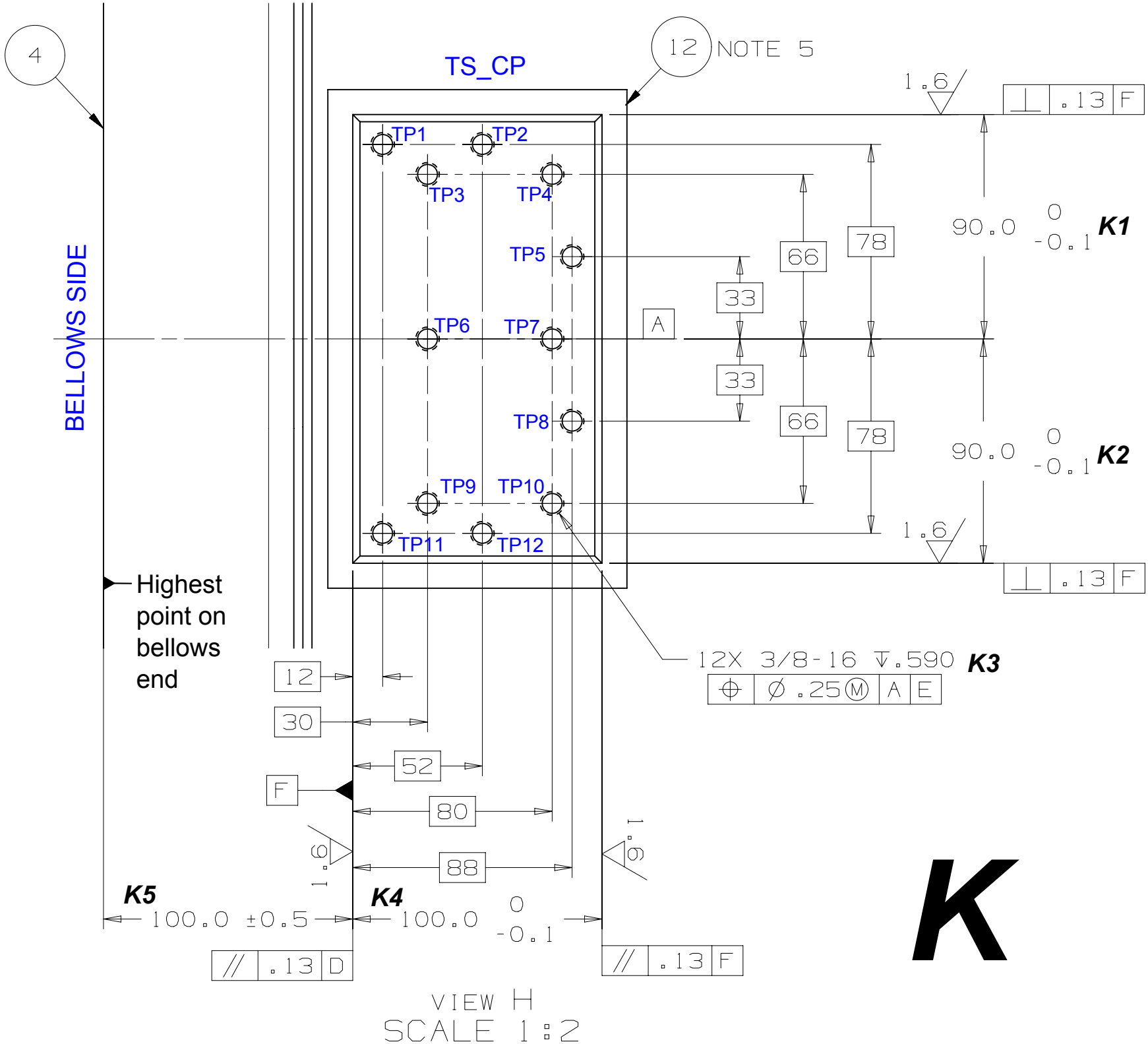
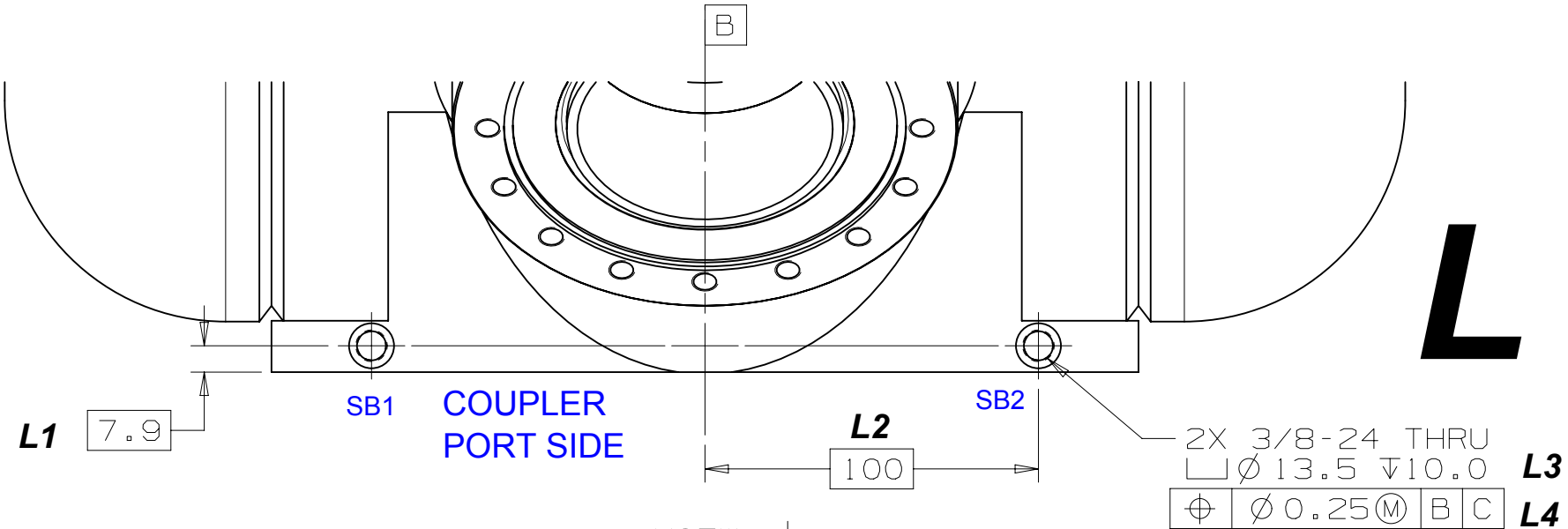
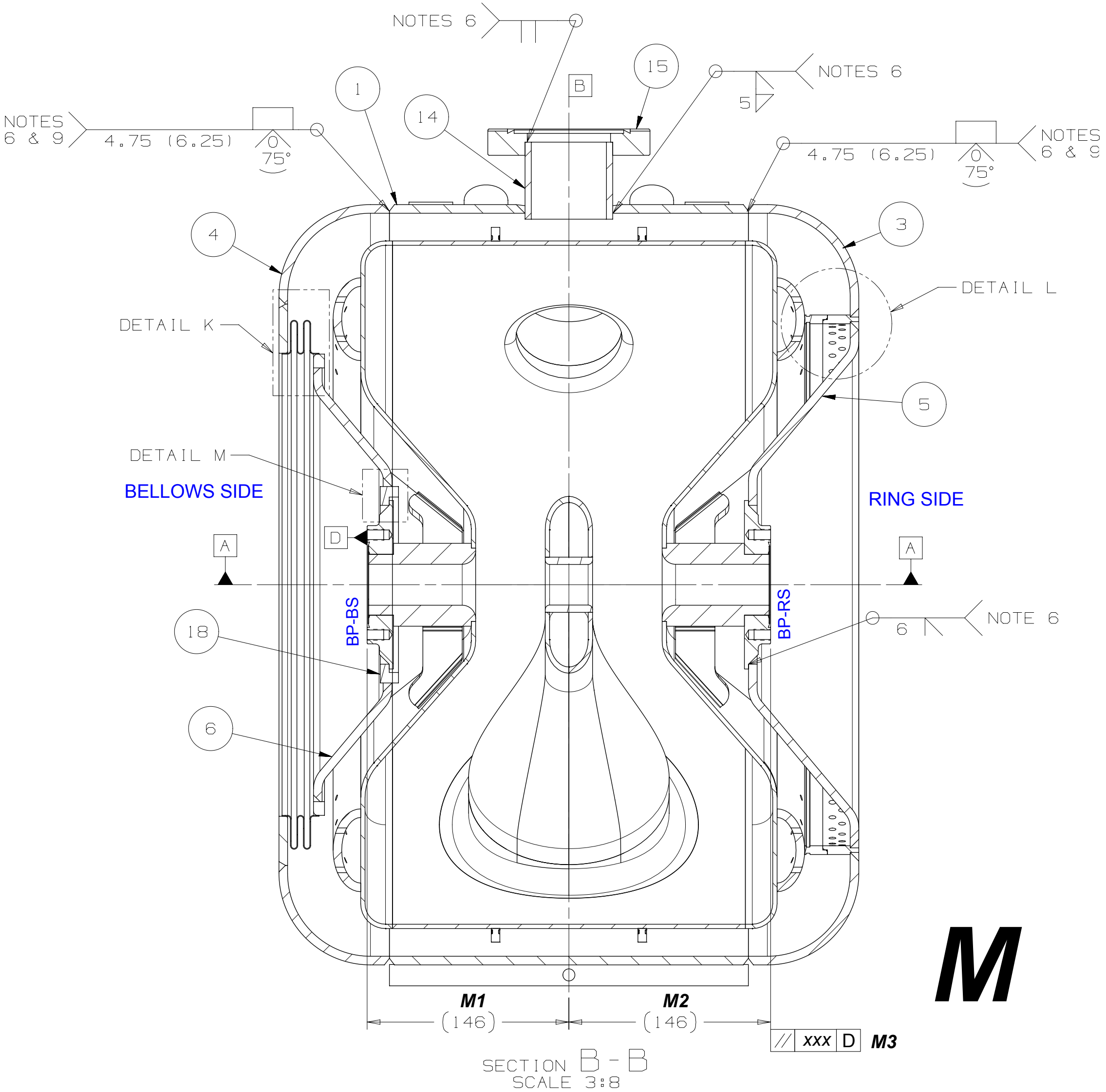
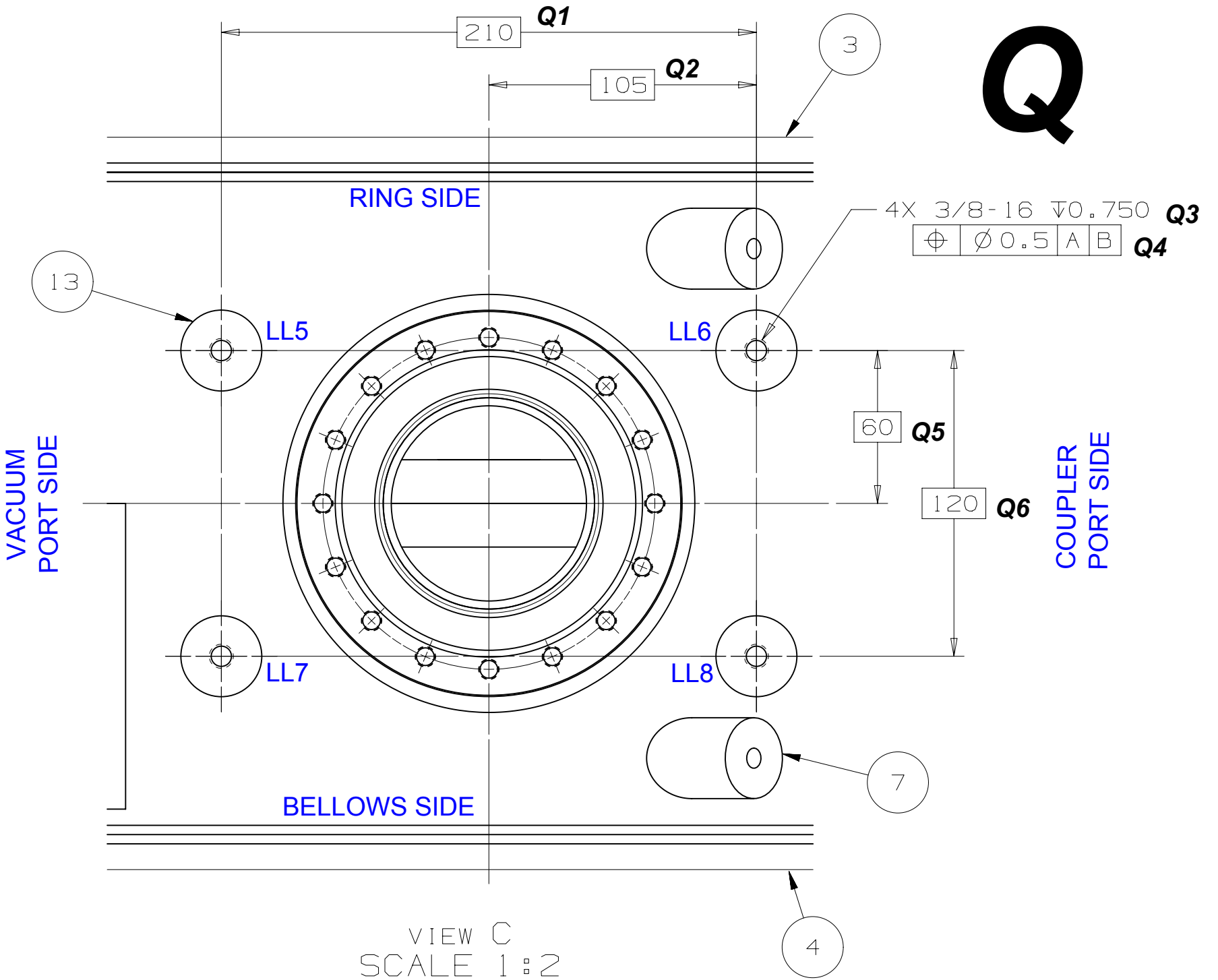
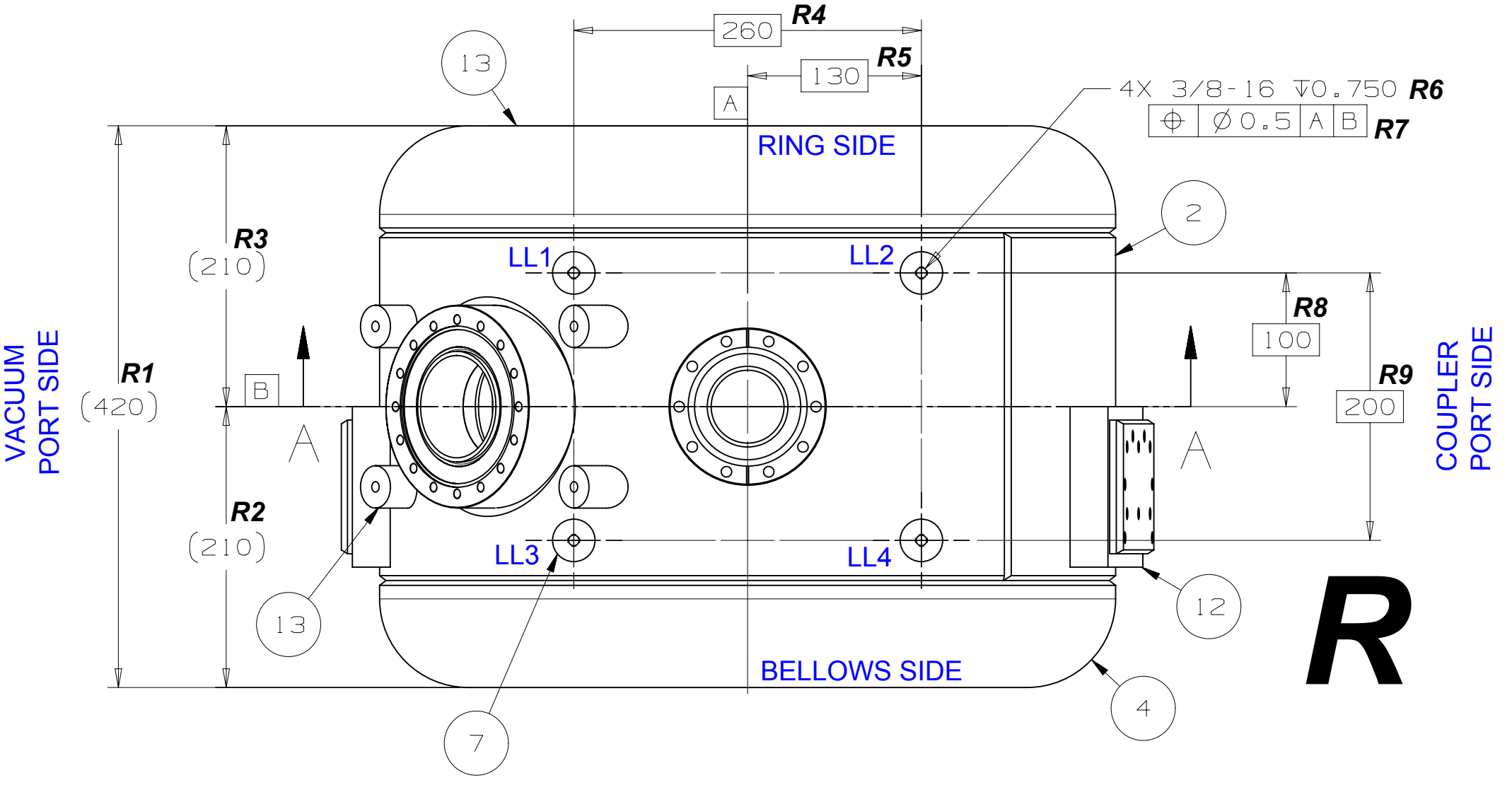

4
12
NOTE 5
TS_CP
BELLOWS SIDE
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP12
A
1.6
⊥ .13 F
90.0 0 -0.1 K1
90.0 0 -0.1 K2
66
78
33
33
66
78
1.6
⊥ .13 F
Highest point on bellows end
12X 3/8-16 ↧.590 K3
⌖ Ø.25Ⓜ A E
12
30
52
F
80
88
1.6
1.6
K5
100.0 ±0.5
K4
100.0 0 -0.1
// .13 D
// .13 F
K
VIEW H
SCALE 1:2

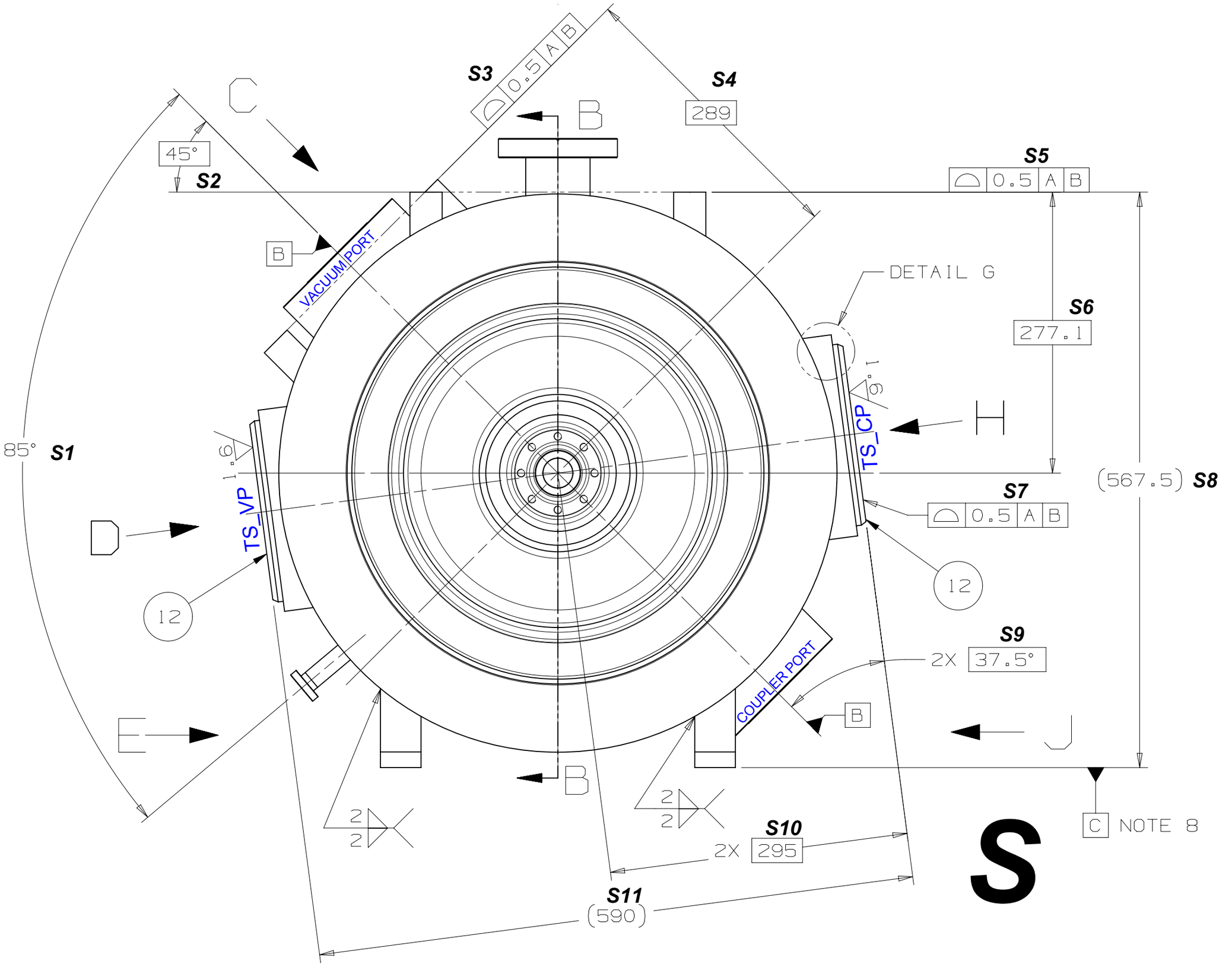

B
L
L1
7.9
SB1
COUPLER
PORT SIDE
L2
100
SB2
2X 3/8-24 THRU
⌴ Ø 13.5 ↧10.0
L3
⌖ Ø 0.25 Ⓜ B C
L4
VIEW J
SCALE 1:2

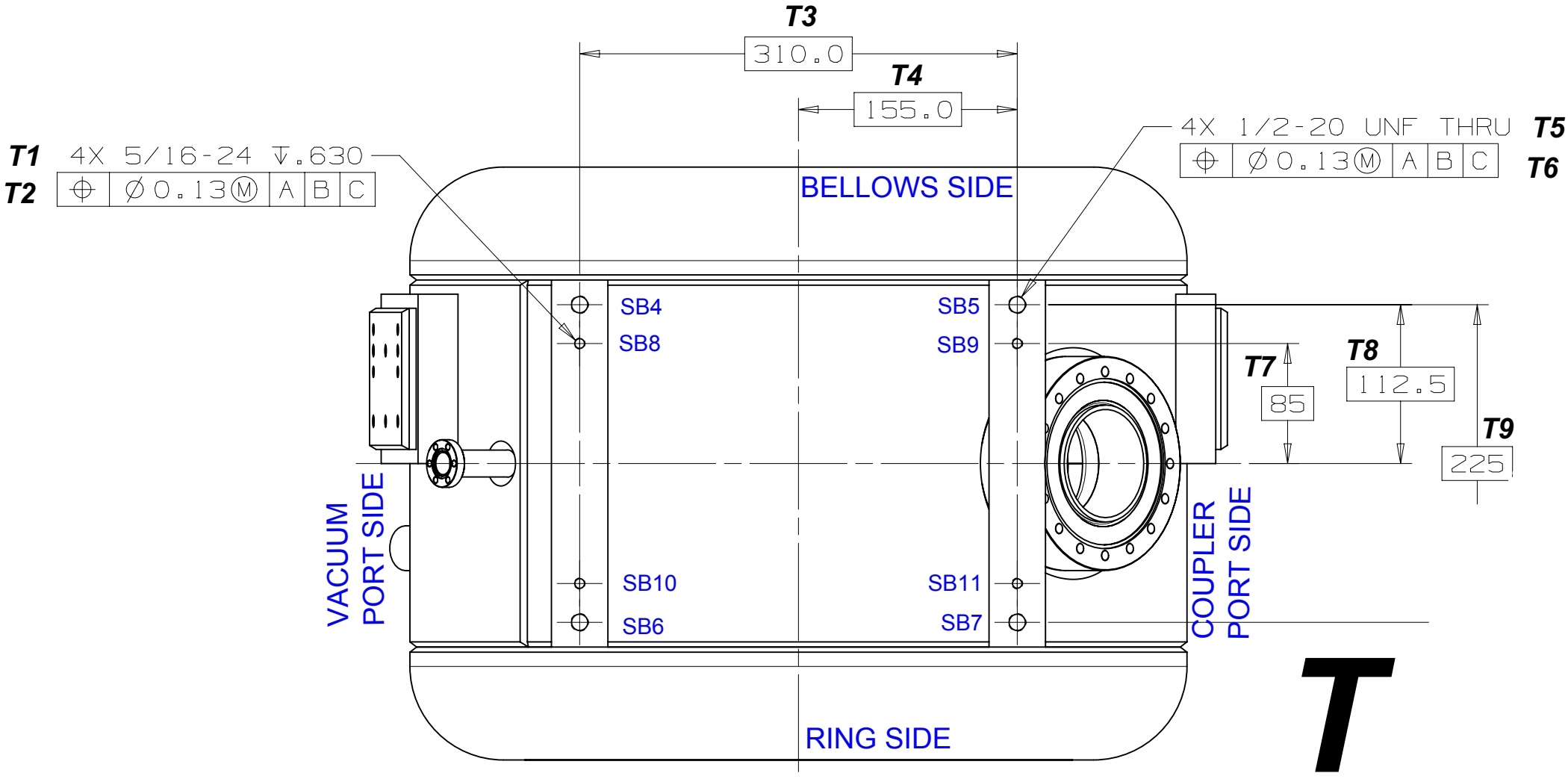


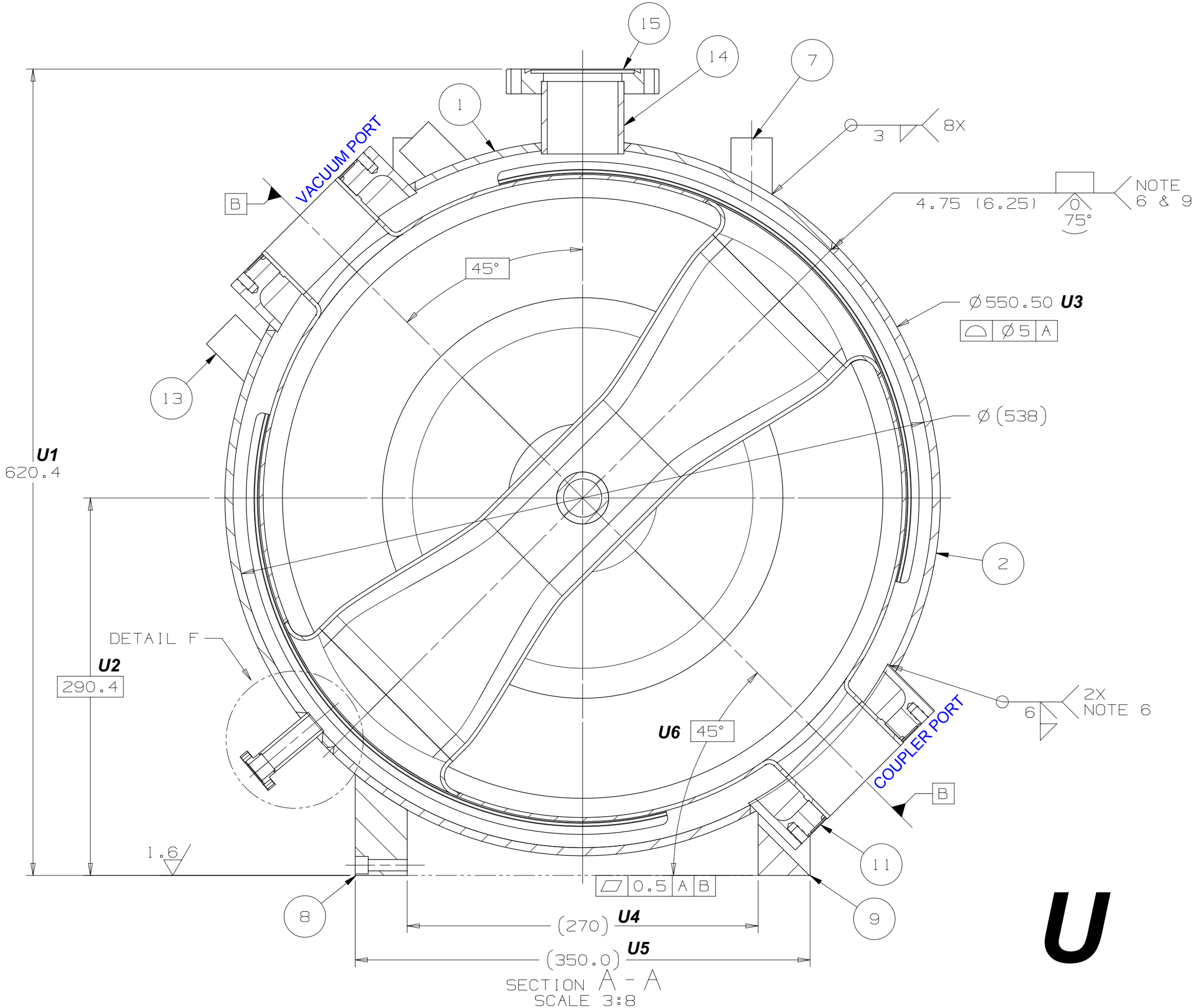
SECTION B - B
SCALE 3:8

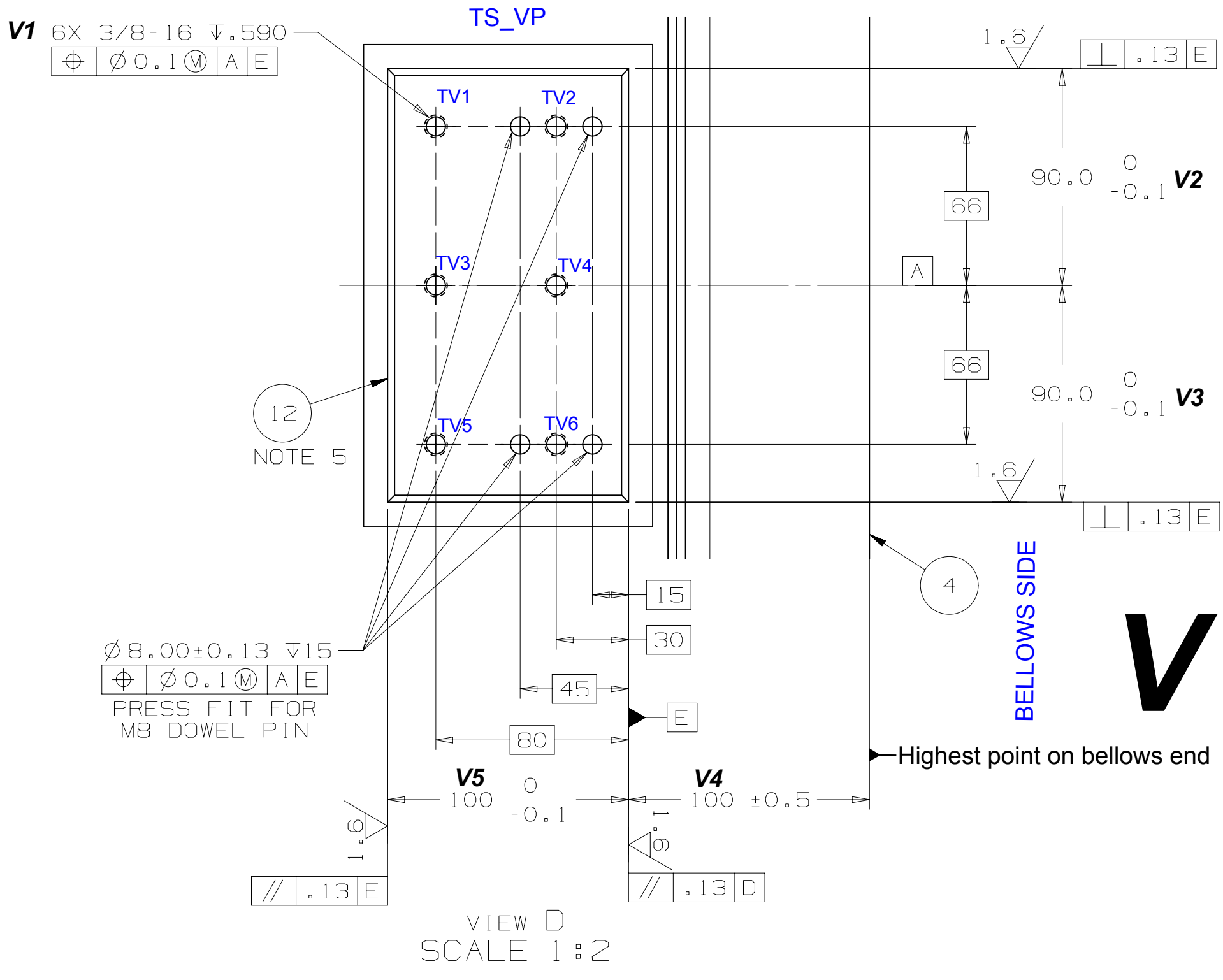

Q
Q1
210
Q2
105
3
RING SIDE
4X 3/8-16 ↧0.750 Q3
⌖ Ø0.5 A B Q4
13
LL5
LL6
60 Q5
120 Q6
VACUUM PORT SIDE
COUPLER PORT SIDE
LL7
LL8
7
BELLOWS SIDE
4
VIEW C
SCALE 1:2

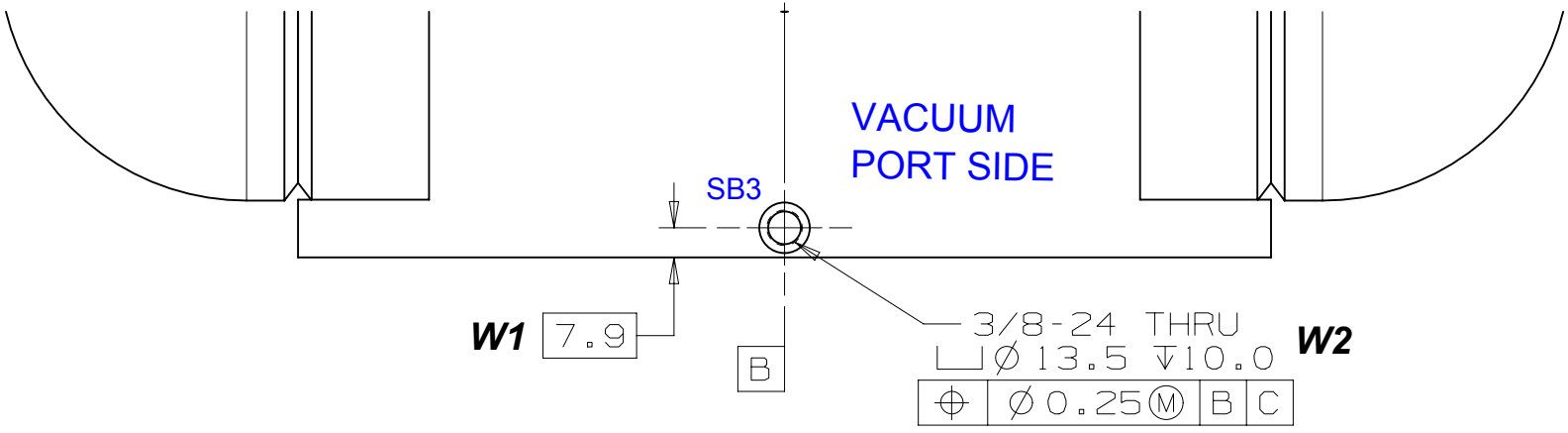

260
R4
130
R5
A
13
4X 3/8-16 ↧0.750
R6
⌖ Ø0.5 A B
R7
RING SIDE
2
LL1
LL2
R3
(210)
R8
100
R9
200
R1
(420)
B
A
A
VACUUM
PORT SIDE
COUPLER
PORT SIDE
R2
(210)
LL3
LL4
13
12
7
4
BELLOWS SIDE
R


S3
0.5 A B
S4
289
C
B
45°
S2
S5
0.5 A B
B
VACUUM PORT
DETAIL G
S6
277.1
1.6
TS_CP
H
85° S1
1.6
TS_VP
D
S7
0.5 A B
12
12
S9
2X 37.5°
COUPLER PORT
B
J
E
B
2
2
2
2
S10
2X 295
S11
(590)
(567.5) S8
C NOTE 8
S


T3
310.0
T4
155.0
T1
4X 5/16-24 ↧.630
T2
⌖ Ø0.13Ⓜ A B C
4X 1/2-20 UNF THRU
T5
⌖ Ø0.13Ⓜ A B C
T6
BELLOWS SIDE
SB4
SB8
SB5
SB9
SB10
SB6
SB11
SB7
T7
85
T8
112.5
T9
225
VACUUM PORT SIDE
COUPLER PORT SIDE
RING SIDE
T


15
14
7
1
VACUUM PORT
B
3
8X
4.75 (6.25)
0
75°
NOTE
6 & 9
45°
Ø550.50 U3
Ø5 A
13
Ø (538)
U1
620.4
2
DETAIL F
U2
290.4
U6
45°
COUPLER PORT
6
2X
NOTE 6
B
1.6
11
0.5 A B
8
9
(270) U4
(350.0) U5
SECTION A - A
SCALE 3:8
U


V1
6X 3/8-16 ↧.590
⌖ Ø0.1 M A E
TS_VP
TV1
TV2
TV3
TV4
TV5
TV6
1.6
⊥ .13 E
90.0 0 -0.1
V2
66
A
66
90.0 0 -0.1
V3
1.6
⊥ .13 E
12
NOTE 5
4
BELLOWS SIDE
V
Ø8.00±0.13 ↧15
⌖ Ø0.1 M A E
PRESS FIT FOR
M8 DOWEL PIN
15
30
45
E
80
Highest point on bellows end
V5
100 0 -0.1
V4
100 ±0.5
1.6
1.6
// .13 E
// .13 D
VIEW D
SCALE 1:2



VIEW E
SCALE 1:2