

Moultrie Rail Systems

WESRAIL II

Component Detail Drawings

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Page 7.....Splice Sleeve & Coupler details

Page 11.....Base details

Page 26.....90° Elbow Tee details

Page 30.....Kickplate details

Page 39.....Assist Rail details

Page 44.....Endcap details

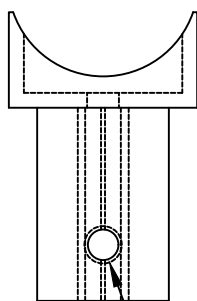
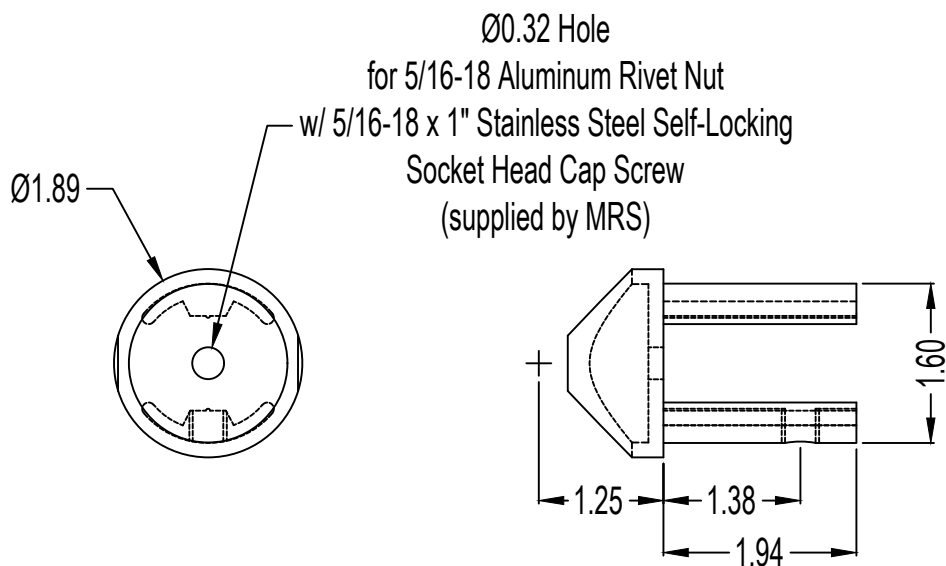
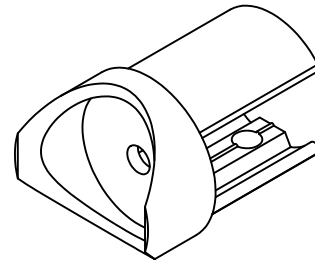
Moultrie Rail Systems

WESRAIL II

Tee Fitting Detail Drawings

<i>Page 2.....</i>	<i>WIIT4000</i> <i>(Wesrail II Level Tee Fitting for 1 1/2" Sch.40 Pipe Rails)</i>
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<i>Page 5.....</i>	<i>WIIT8XXX</i> <i>(Wesrail II Sch 80 Angled Tee Information)</i>
<i>Page 6.....</i>	<i>WII90CT</i> <i>(Wesrail II Level Corner Tee Fitting for 1 1/2" Sch.40 Pipe Rails)</i>

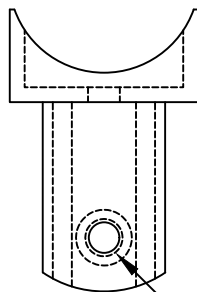
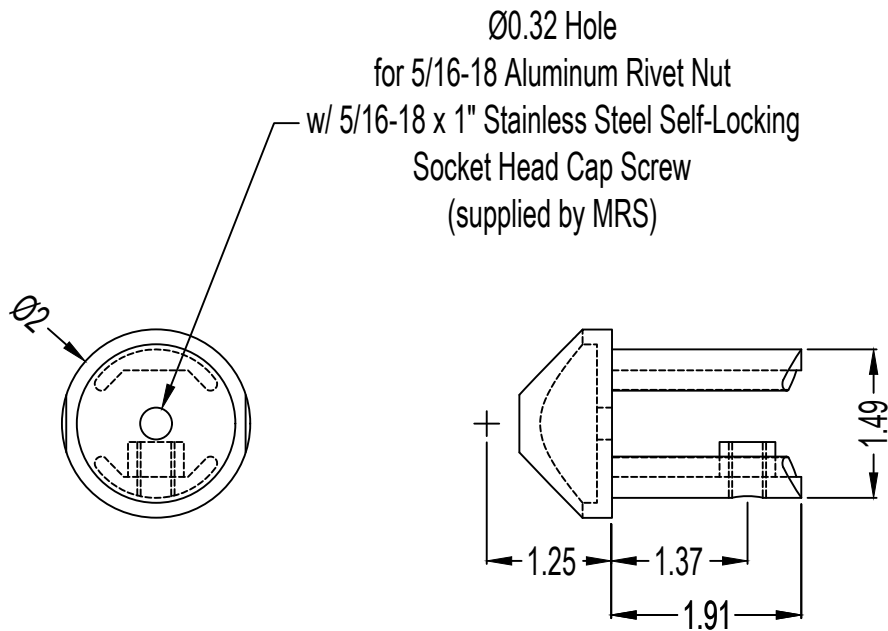
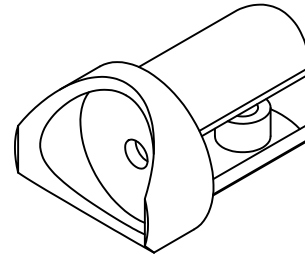
WIIT4000

Wesrail II Level Tee Fitting
for 1 1/2" Sch.40 Pipe Rails

3/8-16 Threaded Hole
for 1 1/4" Stainless Steel Set Screw
(supplied by MRS)

WIIT8000

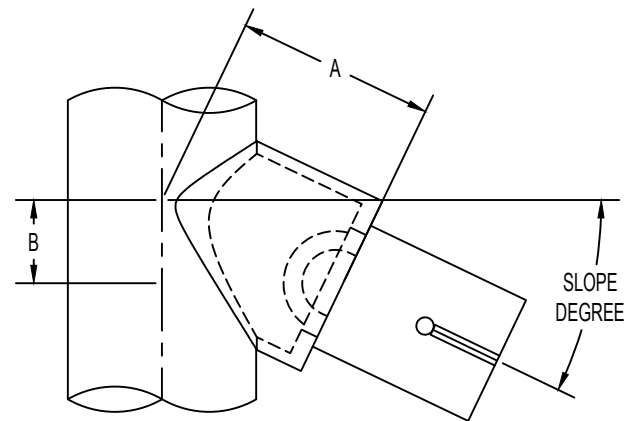
Wesrail II Level Tee Fitting
for 1 1/2" Sch.80 Pipe Rails



3/8-16 Threaded Hole
for 1 1/4" Stainless Steel Set Screw
(supplied by MRS)

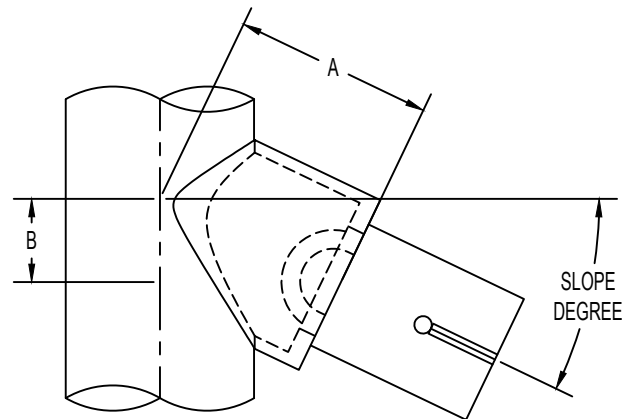
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WIIT4001	1/4:12	1.2°	1 $\frac{3}{4}$ "	0.035
WIIT4002	1/2:12	2.383°	1 $\frac{3}{4}$ "	0.070
WIIT4003	3/4:12	3.583°	1 $\frac{3}{4}$ "	0.105
WIIT4004	1:12	4.767°	1 $\frac{3}{4}$ "	0.140
WIIT4005	1 1/4:12	5.950°	1 $\frac{3}{4}$ "	0.175
WIIT4006	1 1/2:12	7.133°	1 $\frac{3}{4}$ "	0.209
WIIT4007	1 3/4:12	8.300°	1 $\frac{3}{4}$ "	0.244
WIIT4008	2:12	9.467°	1 $\frac{3}{4}$ "	0.277
WIIT4009	2 1/4:12	10.617°	1 $\frac{3}{4}$ "	0.311
WIIT4010	2 1/2:12	11.767°	1 $\frac{3}{4}$ "	0.344
WIIT4011	2 3/4:12	12.900°	1 $\frac{3}{4}$ "	0.377
WIIT4012	3:12	14.033°	1 $\frac{3}{4}$ "	0.409
WIIT4013	3 1/4:12	15.150°	1 $\frac{3}{4}$ "	0.441
WIIT4014	3 1/2:12	16.267°	1 $\frac{3}{4}$ "	0.472
WIIT4015	3 3/4:12	17.350°	1 $\frac{3}{4}$ "	0.503
WIIT4016	4:12	18.433°	1 $\frac{3}{4}$ "	0.533
WIIT4017	4 1/4:12	19.500°	1 $\frac{3}{4}$ "	0.563
WIIT4018	4 1/2:12	20.550°	1 $\frac{3}{4}$ "	0.592
WIIT4019	4 3/4:12	21.600°	1 $\frac{3}{4}$ "	0.621
WIIT4020	5:12	22.617°	1 $\frac{3}{4}$ "	0.649
WIIT4021	5 1/4:12	23.633°	2"	0.776
WIIT4022	5 1/2:12	24.617°	2"	0.806
WIIT4023	5 3/4:12	25.600°	2"	0.836
WIIT4024	6:12	26.567°	2"	0.866
WIIT4025	6 1/4:12	27.517°	2"	0.894
WIIT4026	6 1/2:12	28.450°	2"	0.922
WIIT4027	6 3/4:12	29.367°	2"	0.949
WIIT4028	7:12	30.250°	2"	0.975
WIIT4029	7 1/4:12	31.133°	2"	1.001
WIIT4030	7 1/2:12	32.000°	2 $\frac{1}{4}$ "	1.158
WIIT4031	7 3/4:12	32.850°	2 $\frac{1}{4}$ "	1.185
WIIT4032	8:12	33.683°	2 $\frac{1}{4}$ "	1.212
WIIT4033	8 1/4:12	34.517°	2 $\frac{1}{4}$ "	1.238
WIIT4034	8 1/2:12	35.317°	2 $\frac{1}{4}$ "	1.263
WIIT4035	8 3/4:12	36.100°	2 $\frac{1}{4}$ "	1.287
WIIT4036	9:12	36.867°	2 $\frac{1}{4}$ "	1.311
WIIT4037	9 1/4:12	37.633°	2 $\frac{1}{4}$ "	1.334
WIIT4038	9 1/2:12	38.367°	2 $\frac{1}{4}$ "	1.356
WIIT4039	9 3/4:12	39.100°	2 $\frac{1}{4}$ "	1.378
WIIT4040	10:12	39.800°	2 $\frac{1}{4}$ "	1.399
WIIT4041	10 1/4:12	40.500°	2 $\frac{1}{4}$ "	1.419
WIIT4042	10 1/2:12	41.183°	2 $\frac{1}{4}$ "	1.439
WIIT4043	10 3/4:12	41.850°	2 $\frac{1}{4}$ "	1.458
WIIT4044	11:12	42.517°	2 $\frac{1}{4}$ "	1.476
WIIT4045	11 1/4:12	43.150°	2 $\frac{1}{4}$ "	1.494
WIIT4046	11 1/2:12	43.783°	2 $\frac{1}{2}$ "	1.685
WIIT4047	11 3/4:12	44.400°	2 $\frac{1}{2}$ "	1.703
WIIT4048	12:12	45.000°	2 $\frac{1}{2}$ "	1.722

Wesrail II Sch 40 Tee Information

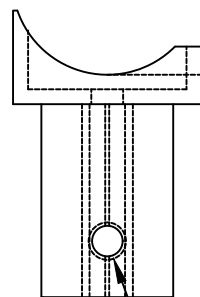
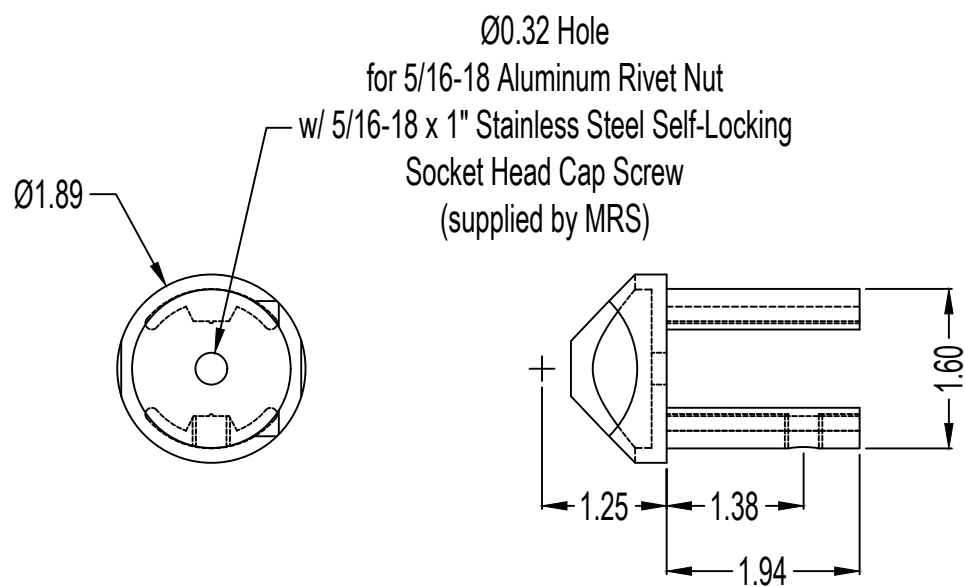
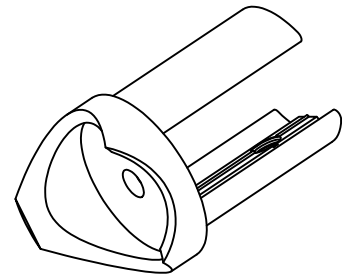


Part Number	Slope	Slope Degree	A Inches	B Inches
WIIT8001	1/4:12	1.2°	$1\frac{3}{4}$ "	0.035
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WIIT8006	1 1/2:12	7.133°	$1\frac{3}{4}$ "	0.209
WIIT8007	1 3/4:12	8.300°	$1\frac{3}{4}$ "	0.244
WIIT8008	2:12	9.467°	$1\frac{3}{4}$ "	0.277
WIIT8009	2 1/4:12	10.617°	$1\frac{3}{4}$ "	0.311
WIIT8010	2 1/2:12	11.767°	$1\frac{3}{4}$ "	0.344
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WIIT8020	5:12	22.617°	$1\frac{3}{4}$ "	0.649
WIIT8021	5 1/4:12	23.633°	2"	0.776
WIIT8022	5 1/2:12	24.617°	2"	0.806
WIIT8023	5 3/4:12	25.600°	2"	0.836
WIIT8024	6:12	26.567°	2"	0.866
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WIIT8047	11 3/4:12	44.400°	$2\frac{1}{2}$ "	1.703
WIIT8048	12:12	45.000°	$2\frac{1}{2}$ "	1.722

Wesrail II Sch 80 Tee Information



WII90CT

Wesrail II Level Corner Tee Fitting
for 1 1/2" Sch.40 Pipe Rails

3/8-16 Threaded Hole
for 1 1/4" Stainless Steel Set Screw
(supplied by MRS)

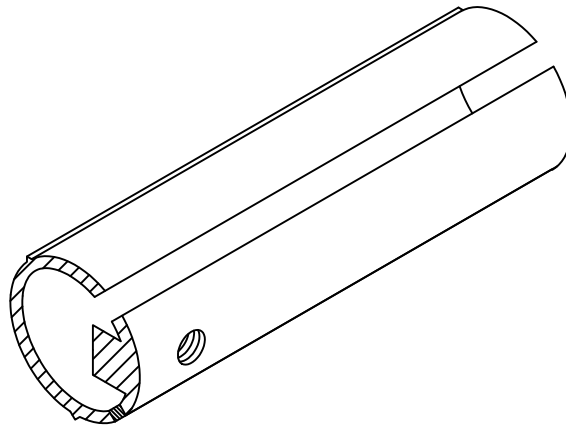
Moultrie Rail Systems

WESRAIL II

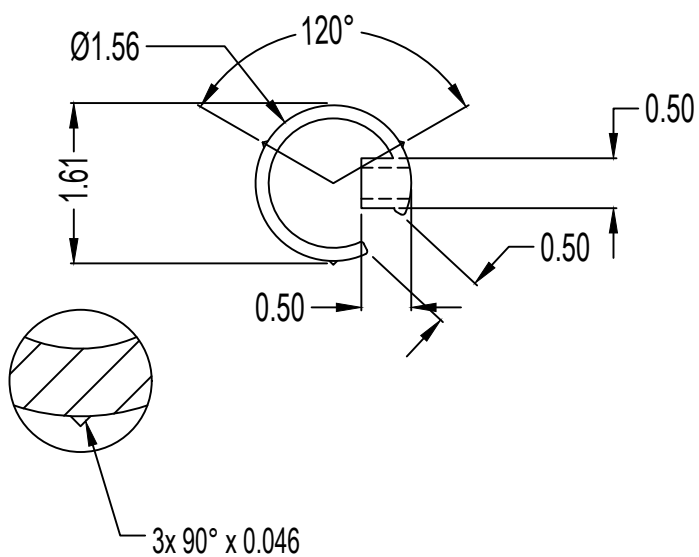
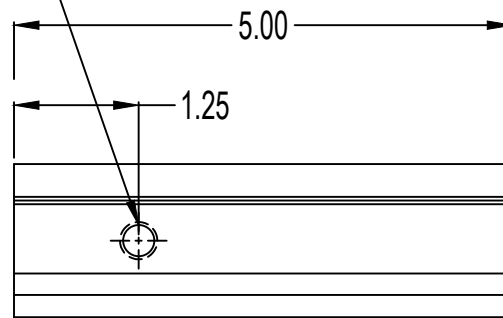
Splice Sleeve & Coupler Sleeve Detail Drawings

<i>Page 8.....</i>	<i>WIIS40</i> <i>(Wesrail II Splice Sleeve)</i>
<i>Page 9.....</i>	<i>WIIC40</i> <i>(Wesrail II Coupler Sleeve)</i>
<i>Page 10.....</i>	<i>WIIS40-P</i> <i>(Wesrail II Picket Splice Sleeve)</i>

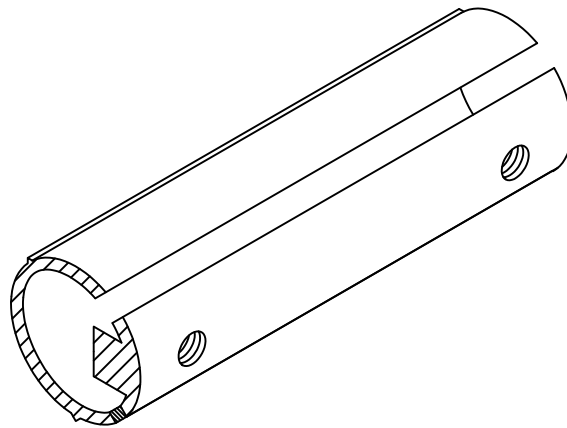
PART NO. - WIIS40
Wesrail II Splice Sleeve



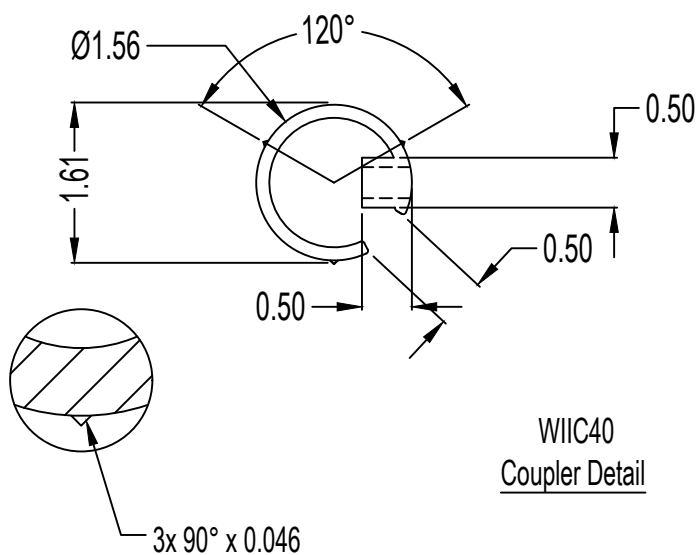
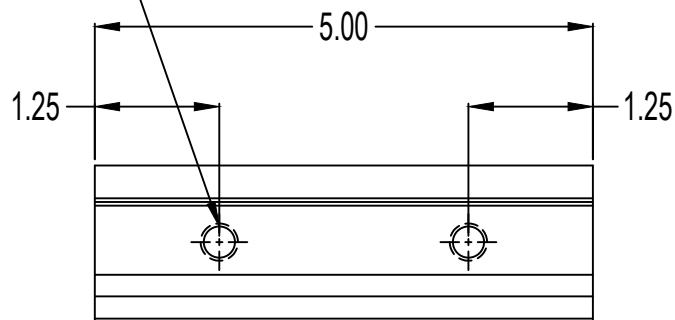
3/8-16 Threaded
Hole (1 place) for
1 1/2" Stainless Steel Set Screw
(supplied by MRS)



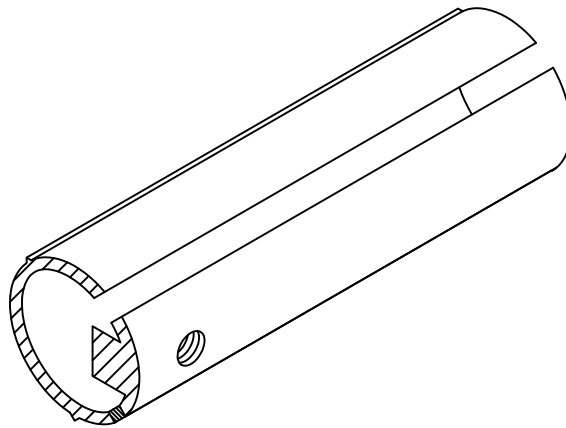
WIIC40
Wesrail II
Coupler Sleeve



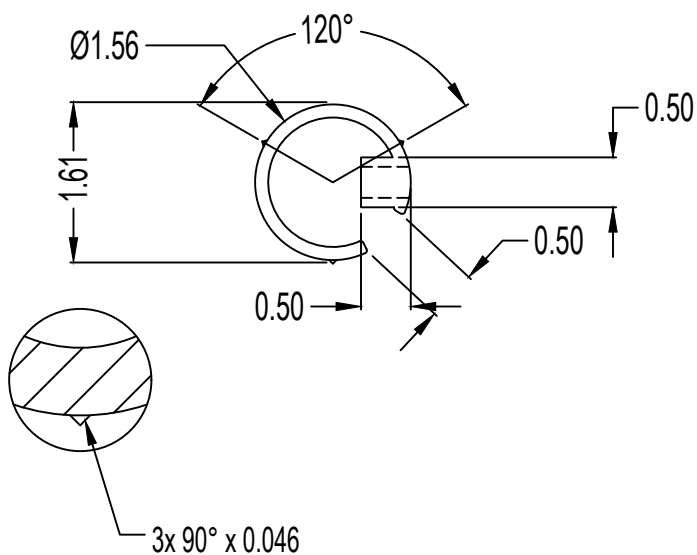
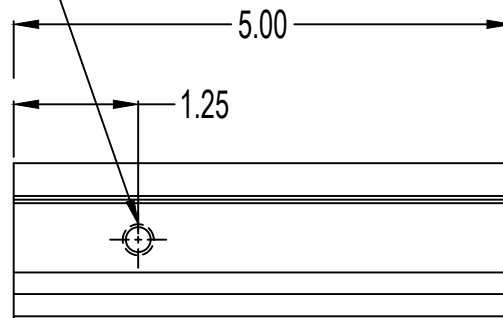
3/8-16 Threaded
Hole (2 places) for
1 1/2" Stainless Steel Set Screw
(supplied by MRS)



PART NO. - WIIS40-P
Wesrail II Picket Splice Sleeve



5/16-18 Threaded
Hole (1 place) for
1 1/2" Stainless Steel Set Screw
(supplied by MRS)



Moultrie Rail Systems

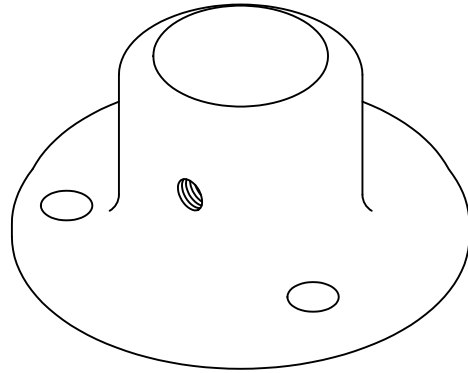
WESRAIL II

Base Detail Drawings

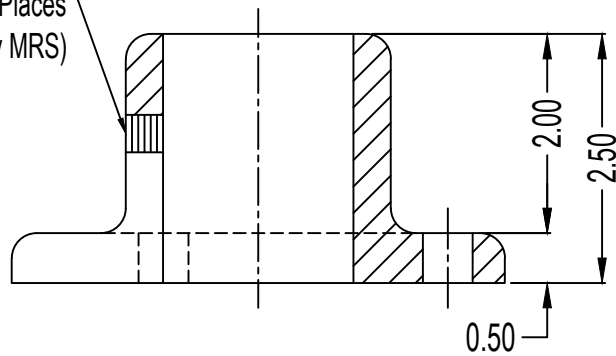
Page 12.....	WII5RB (5" Round Machine Socket Base)
Page 13.....	W32705 (5" Round Cast Socket Base)
Page 14.....	WII2HB (CAST) (2-HOLE FEMALE SOCKET BASE)
Page 15.....	WII4BFB (CAST) (4-HOLE FEMALE SOCKET BASE)
Page 16.....	WII4BFB (MACHINED) (4-HOLE MACHINED FEMALE SOCKET BASE)
Page 17.....	WII2HB (MACHINED) (2-HOLE MACHINED FEMALE SOCKET BASE)
Page 18.....	WIISXX (Wesrail II Stair Stringer Base)
Page 19.....	WIIFSMB (Flush Side Mount Bracket- NOTE: <u>WIIFSMB is Sold in Pairs (2 Brackets per Post)</u>)
Page 20.....	WIISMB (Side Mount Bracket)
Page 21.....	WIISMBEXT (Extendable Side Mount Bracket)
Page 22.....	WIISMBEXT-Part A (Extendable Side Mount Bracket-part- A)
Page 23.....	WIISMBEXT-Part B (Extendable Side Mount Bracket-part- B)
Page 24.....	WIISMB-R (Removable Side Mount Bracket)
Page 25.....	WII8018 (18" Spud Reinforcement for Wesrail II Sch.80 Posts)

WII5RB

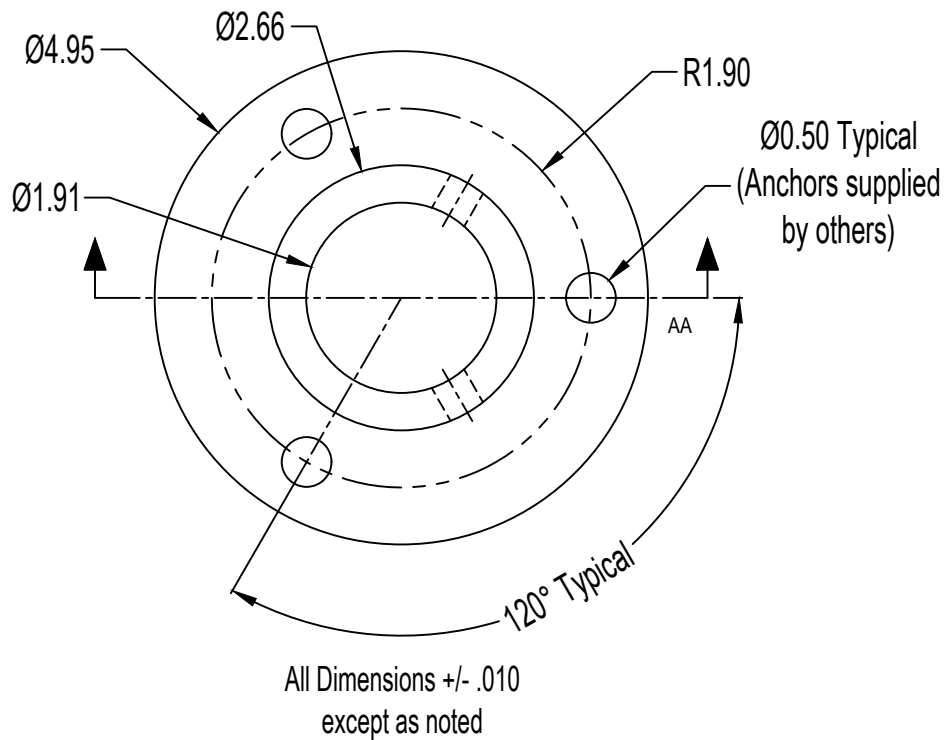
5" Round Machine Socket Base



3/8-16 Threaded Hole
for 3/8" Stainless Steel
Set Screws 2 Places
(supplied by MRS)



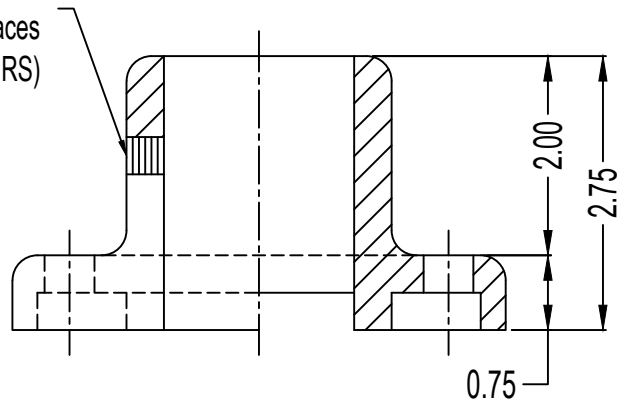
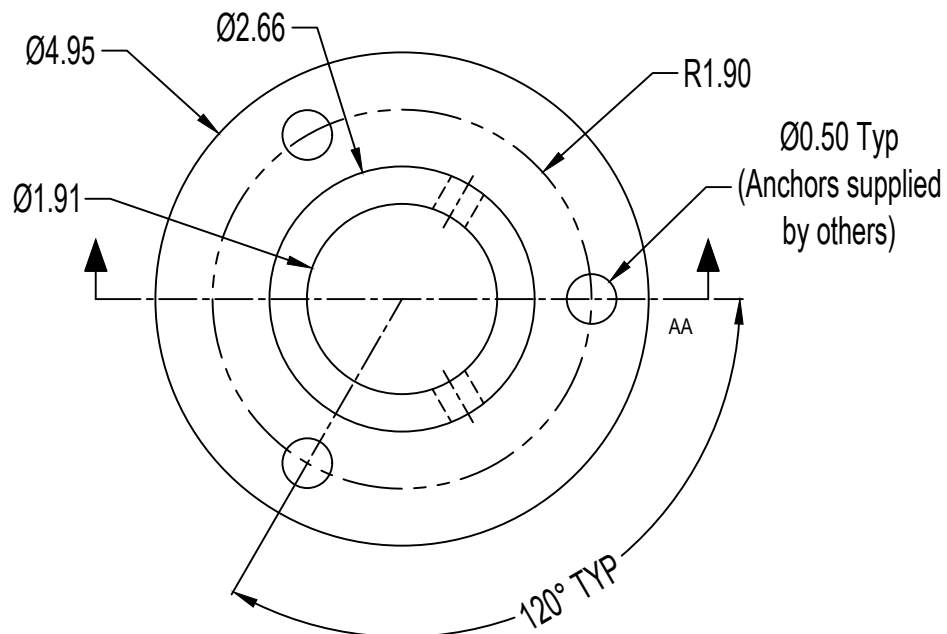
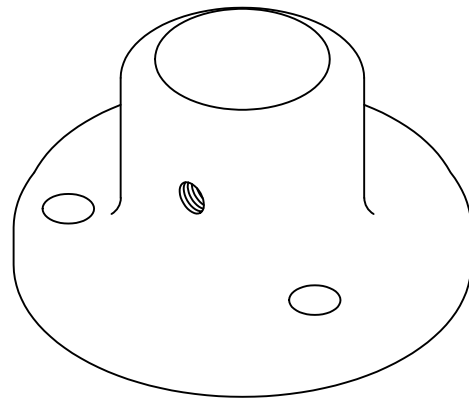
Sect AA



W32705

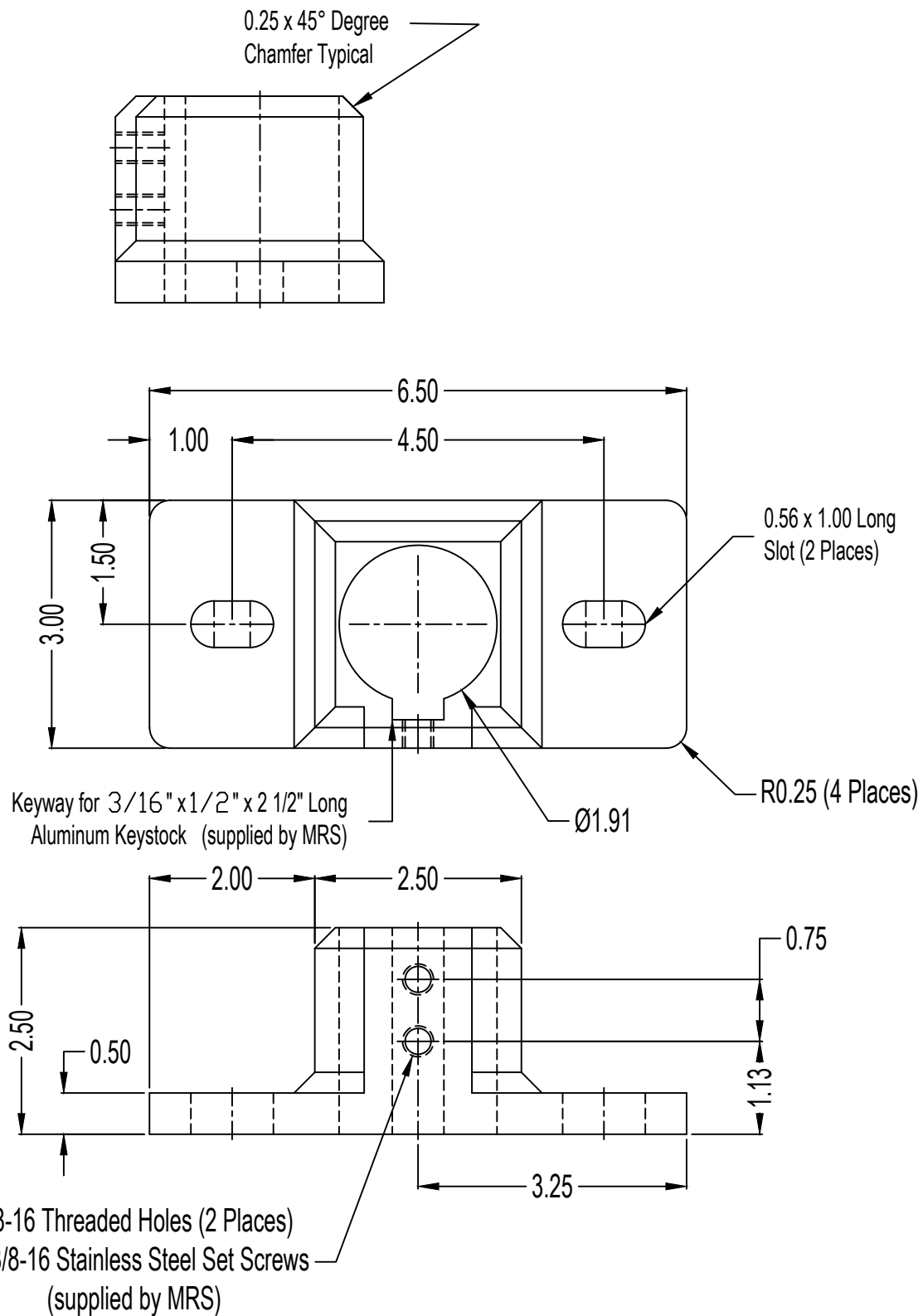
5" Round Cast Socket Base

3/8-16 Threaded Hole
for 3/8" Stainless Steel
Set Screw 2 Places
(supplied by MRS)

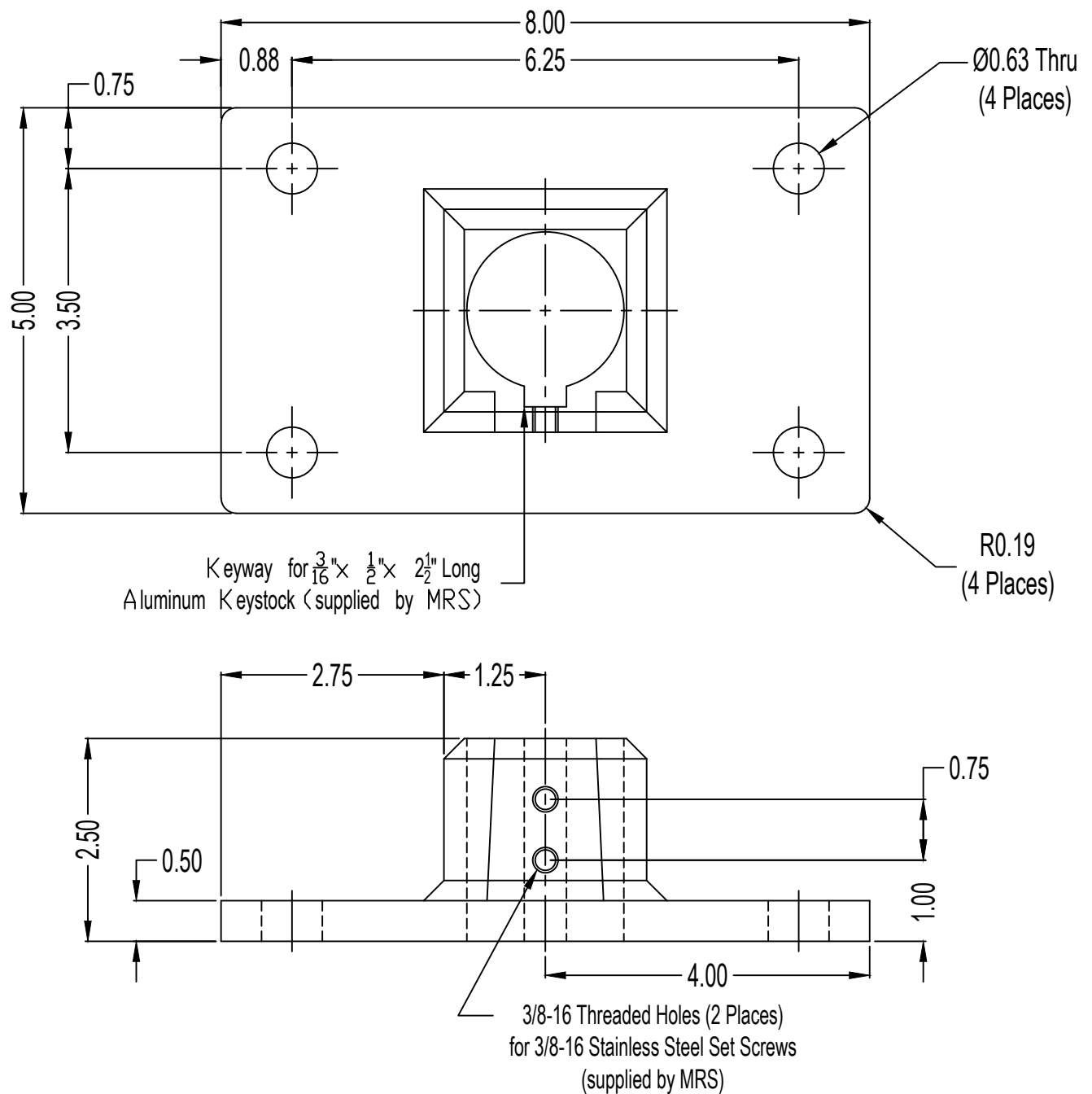
Sect AA

All Dimensions +/- .010
except as noted

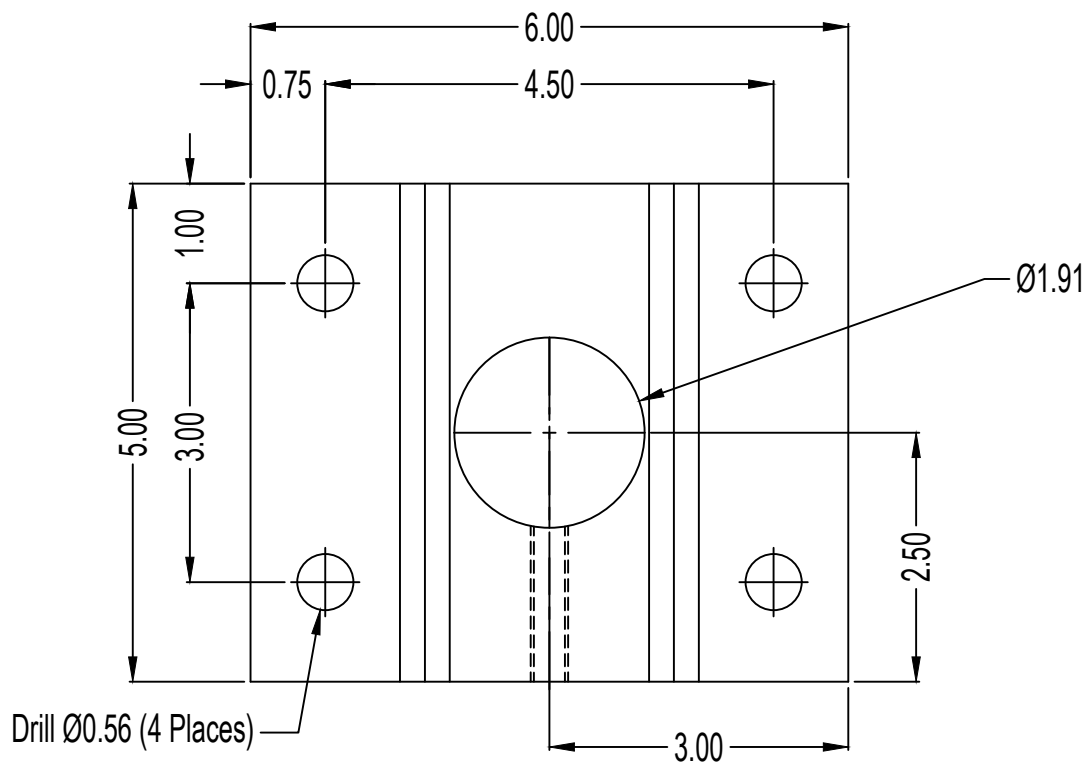
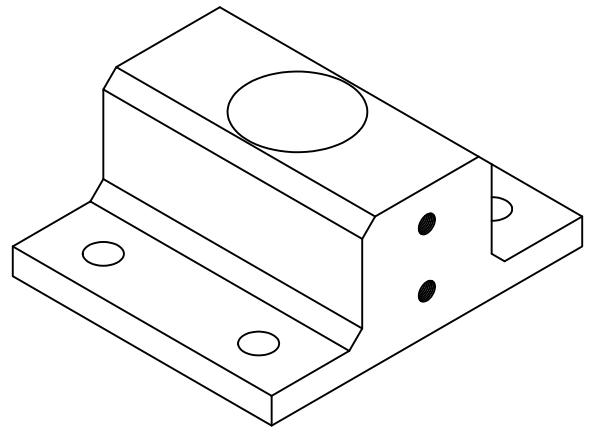
PART NO. - WII2HB (Cast) 2 Hole Female Socket Base



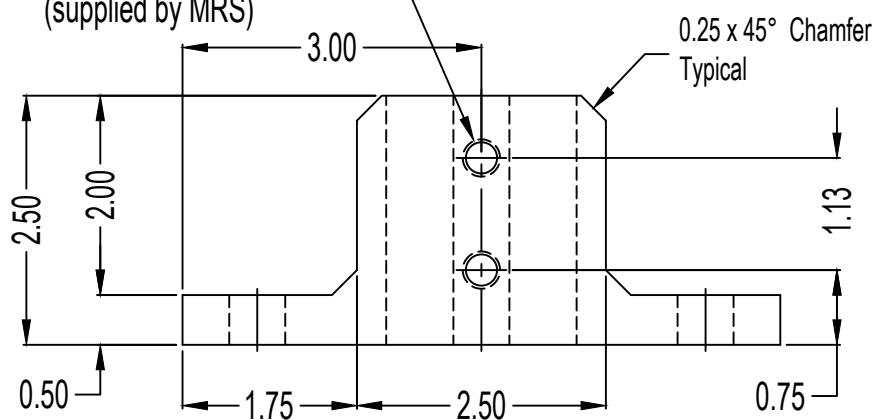
PART NO. - WII4BFB (Cast)
4 hole Female Socket Base



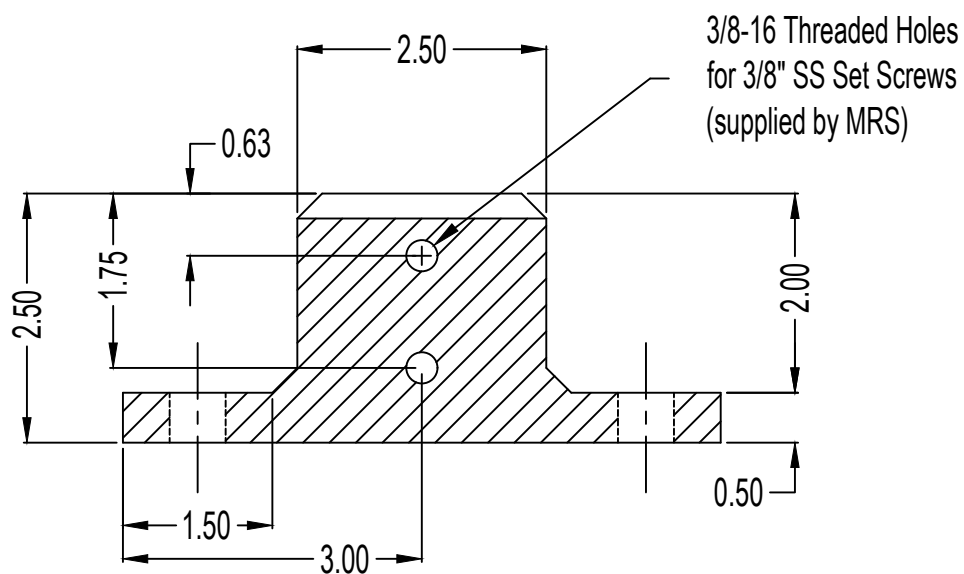
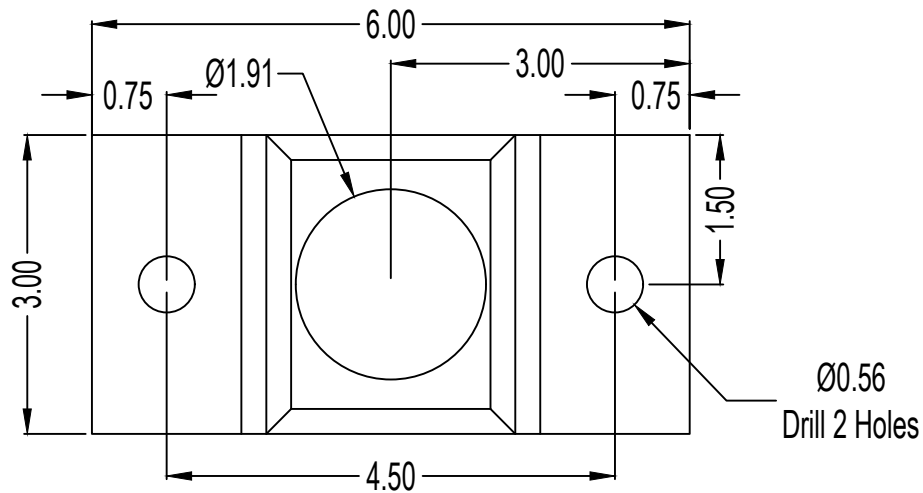
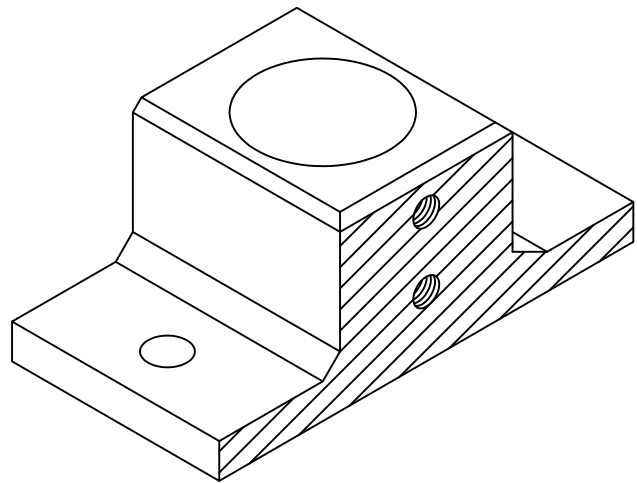
PART NO. - WII4HB (Machined)
4 Hole Female Socket Base



3/8-16 Threaded Holes (2 Places)
for 3/8-16 Sainless Steel Set Screws
(supplied by MRS)



#WII2HB (Machined)
Wesrail II
2-Hole Socket Base

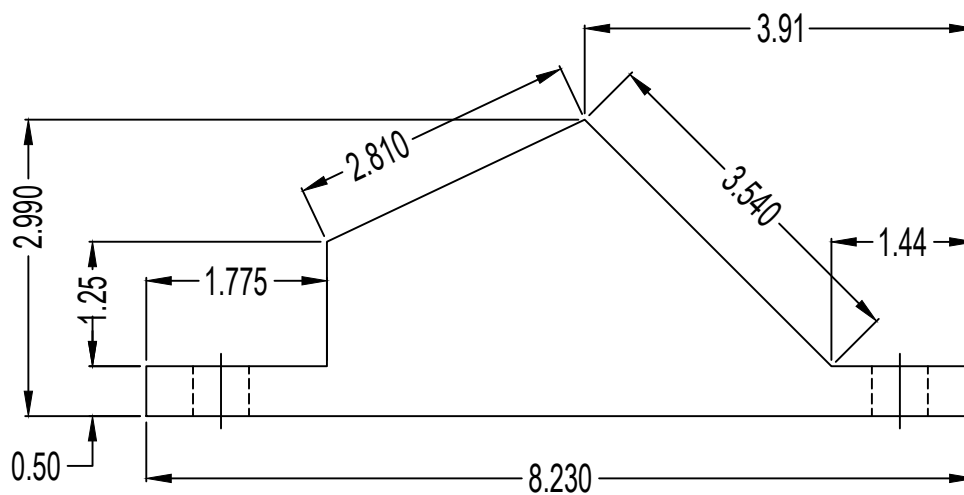
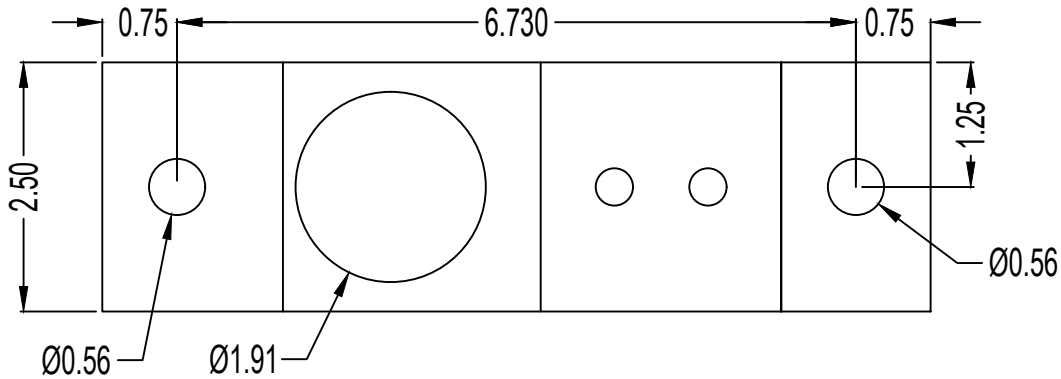
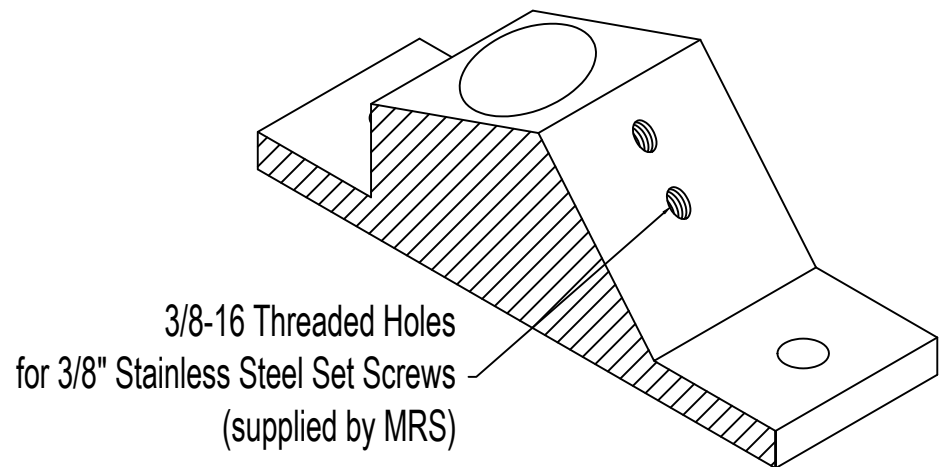


WISSXX

Wesrail II

Stair Stringer

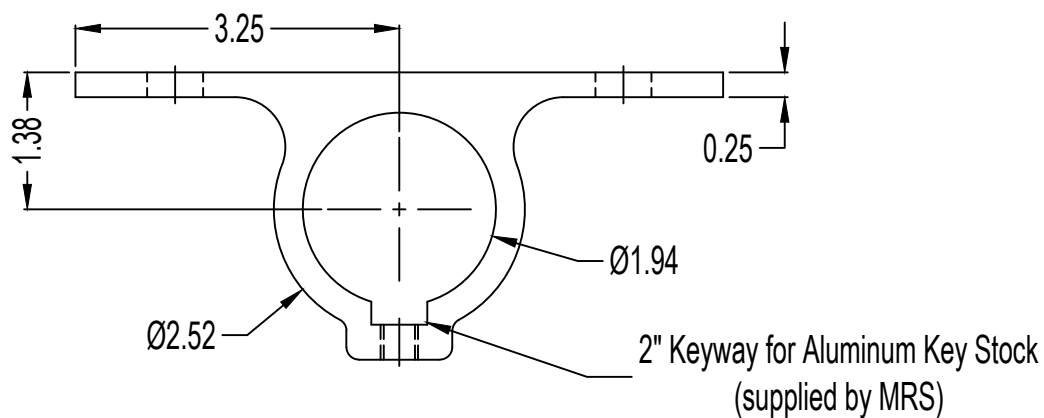
Base



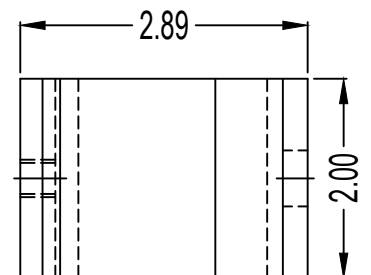
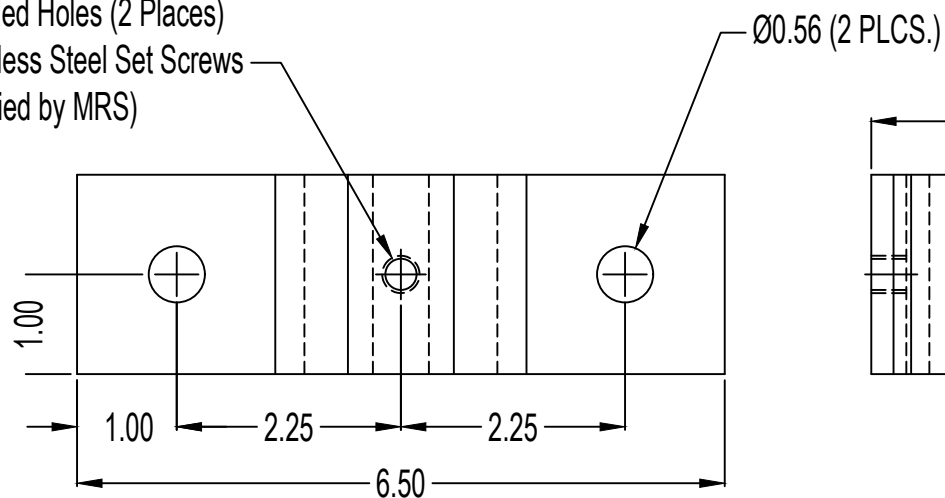
Wesrail II
STAIR STRINGER BASE

PART NO. - WIIFSMB
Flush Side Mount Bracket

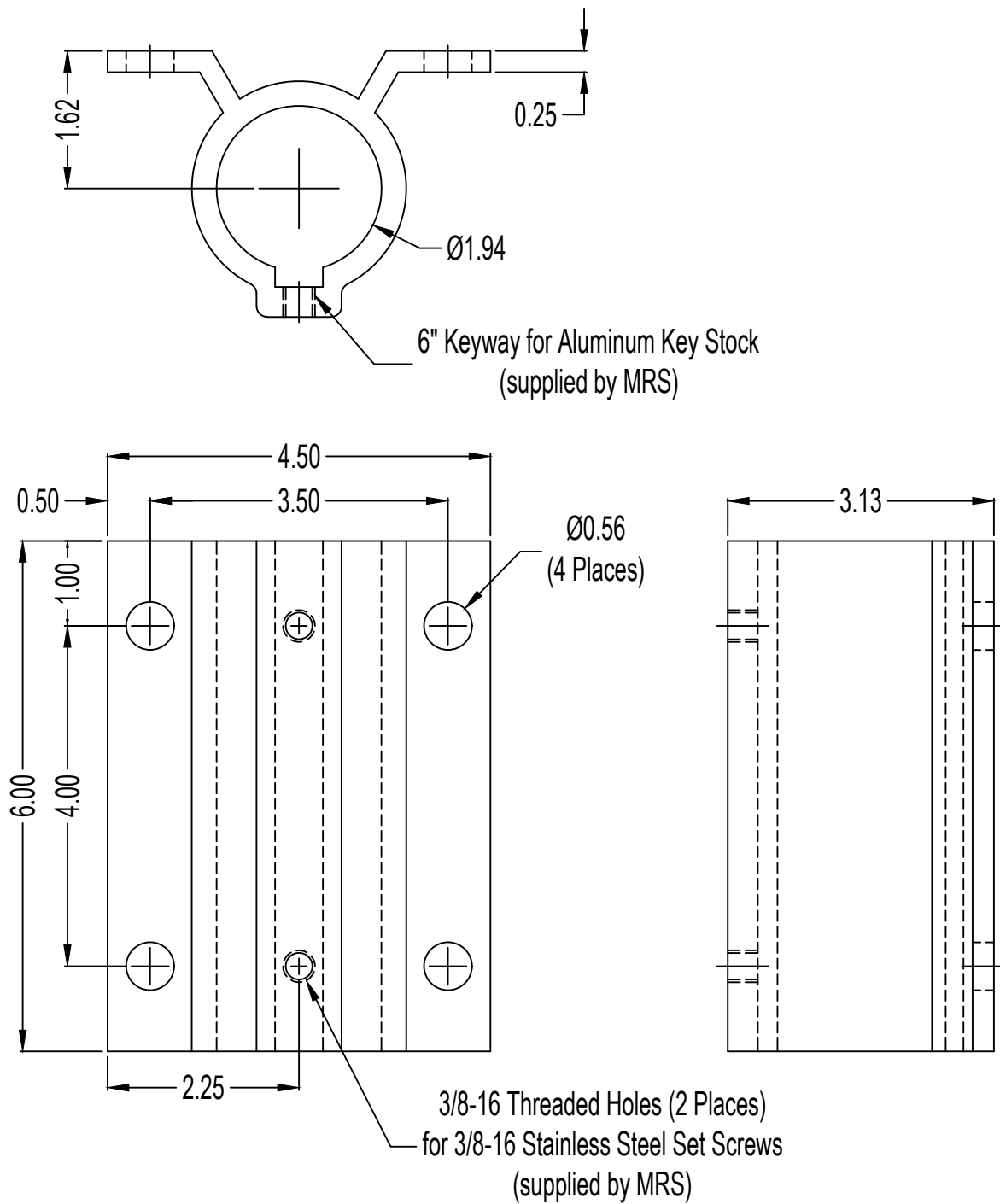
NOTE: WIIFSMB IS SOLD IN PAIRS
(2 BRACKETS PER POST)



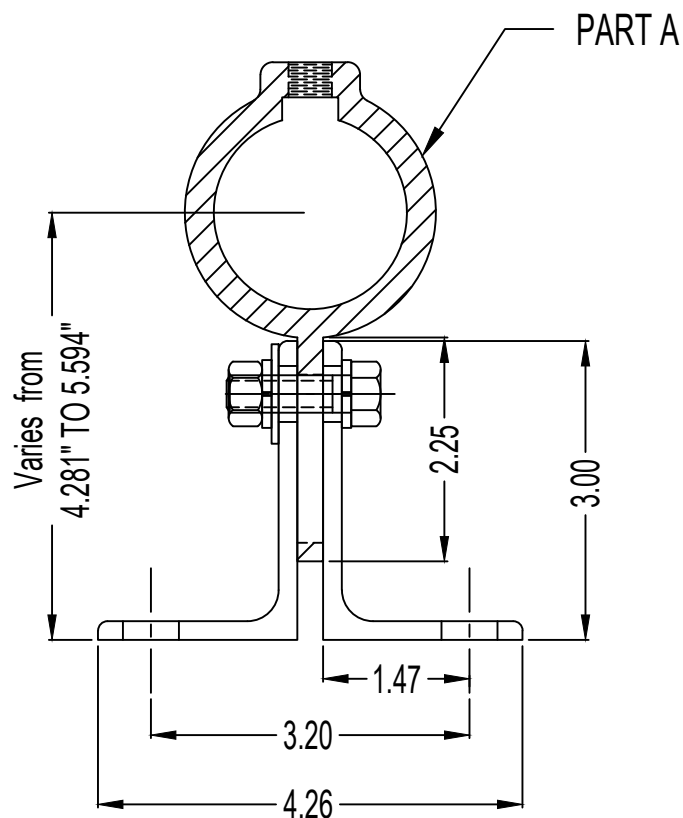
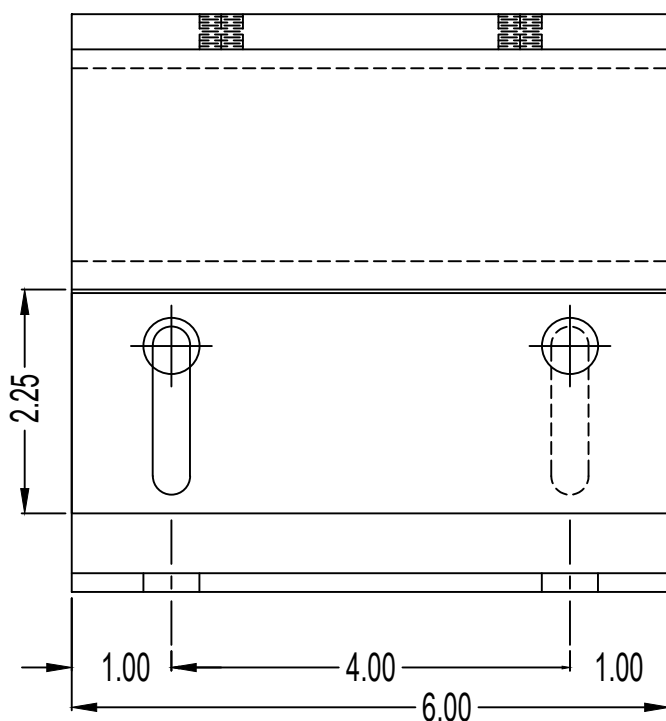
3/8-16 Threaded Holes (2 Places)
for 3/8-16 Stainless Steel Set Screws
(supplied by MRS)



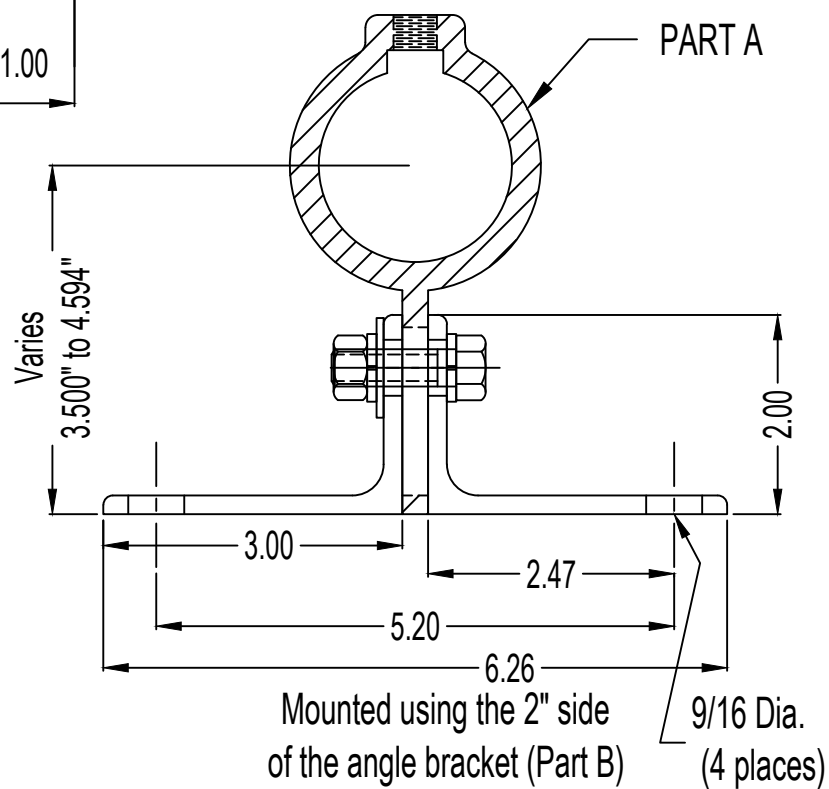
PART NO. - WIISMB
Side Mount Bracket



WIISMBEXT

Wesrail II Extendable
Side Mount Bracket

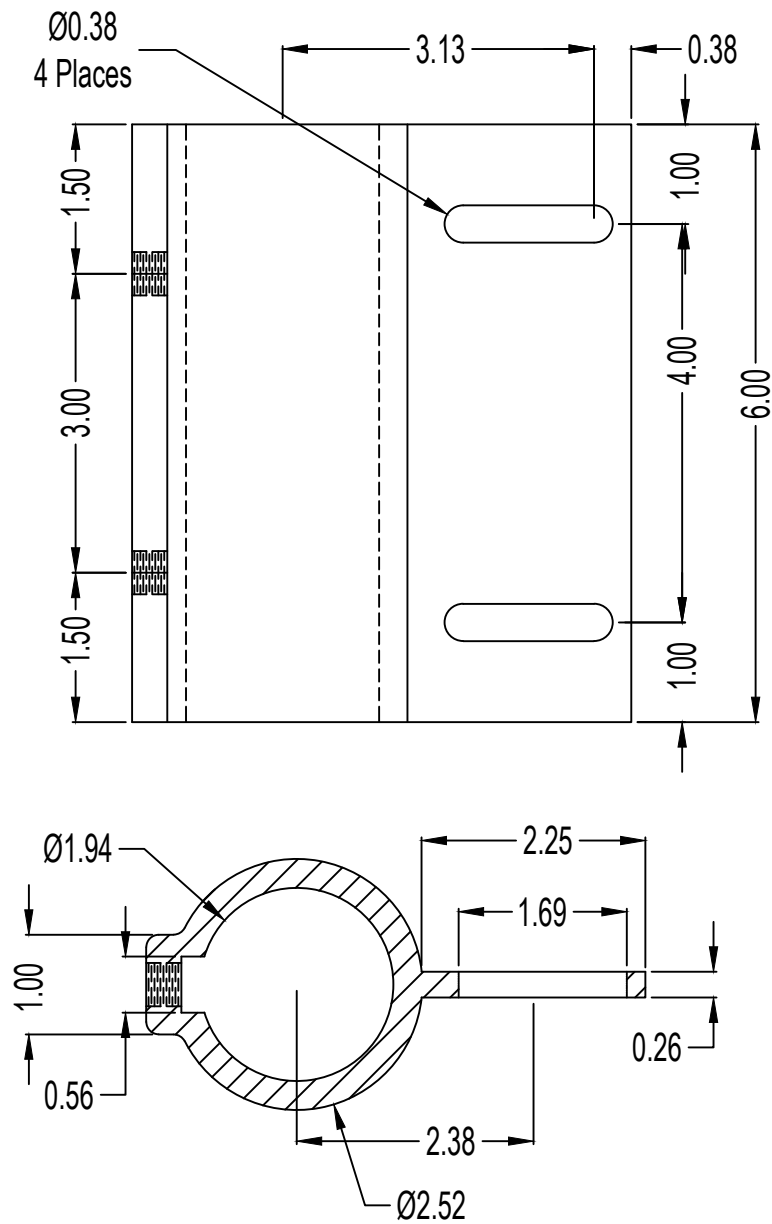
Mounted using the 3" side
of the angle bracket (Part B)



Mounted using the 2" side
of the angle bracket (Part B)

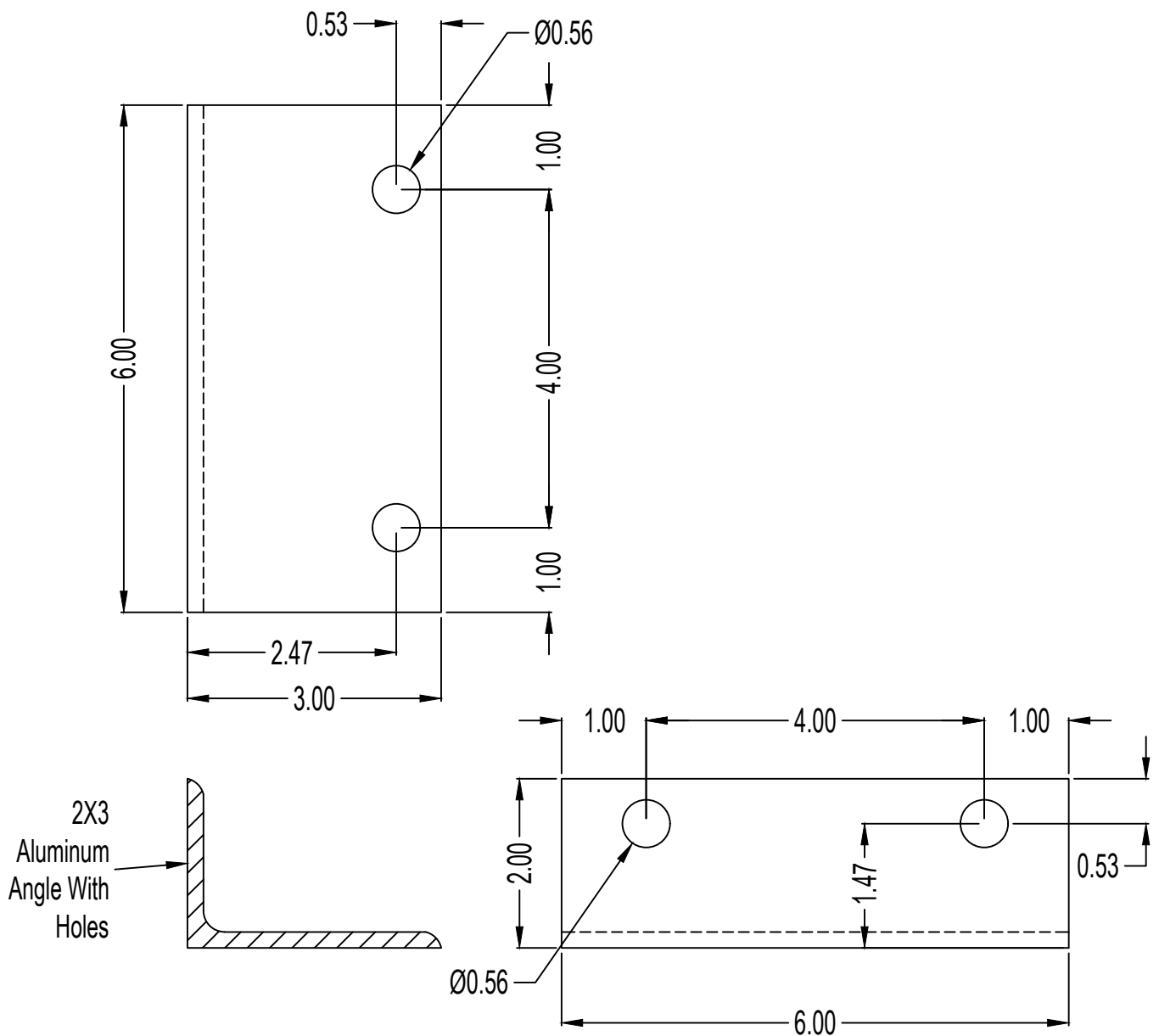
9/16 Dia.
(4 places)

WIISMBEXT - Part A



PART A
Extendable Side
Mount Bracket

WIISMBEXT - Part B

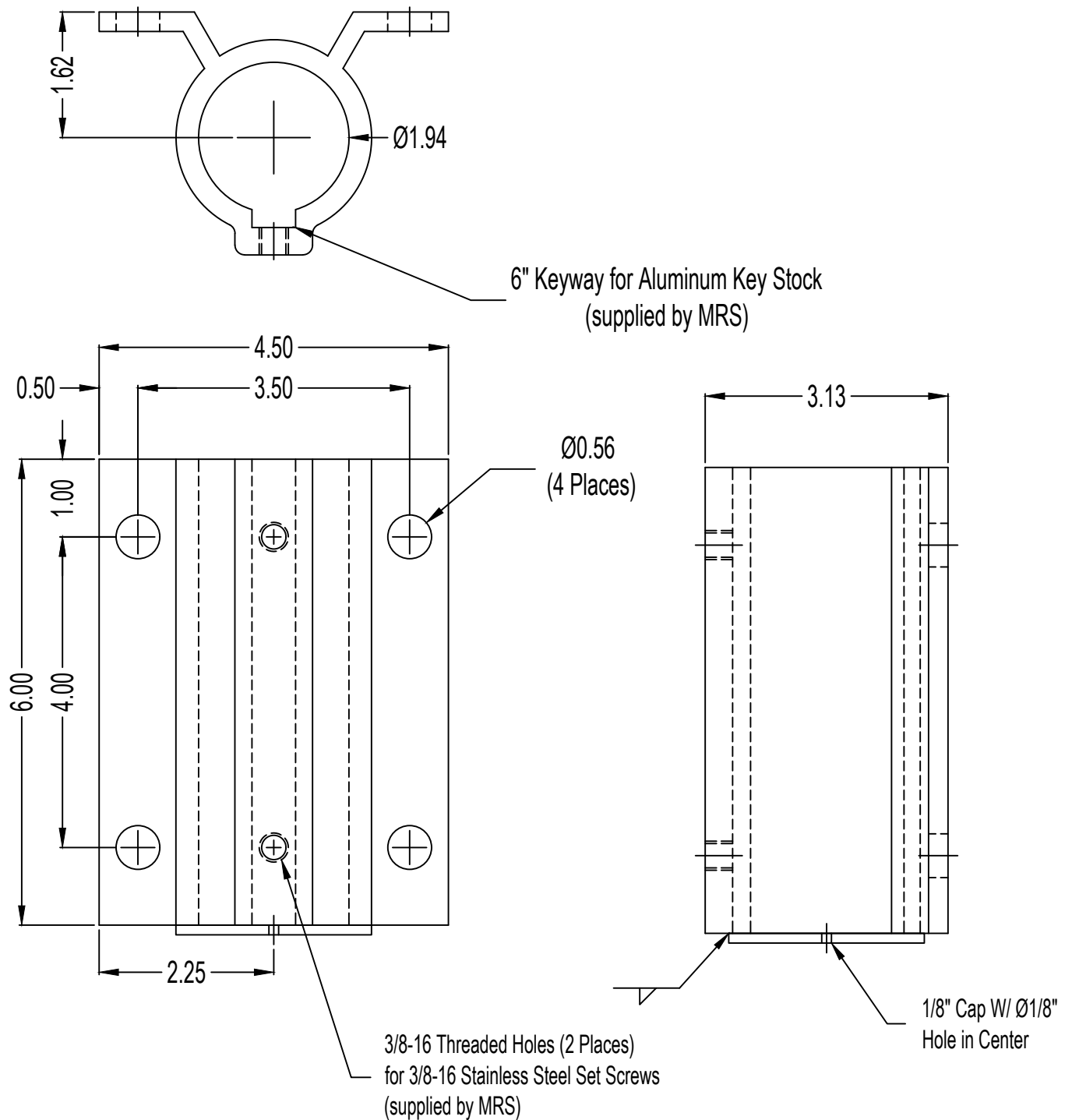


PART B
2" X 3" Angle
Extendable Side Mount Bracket

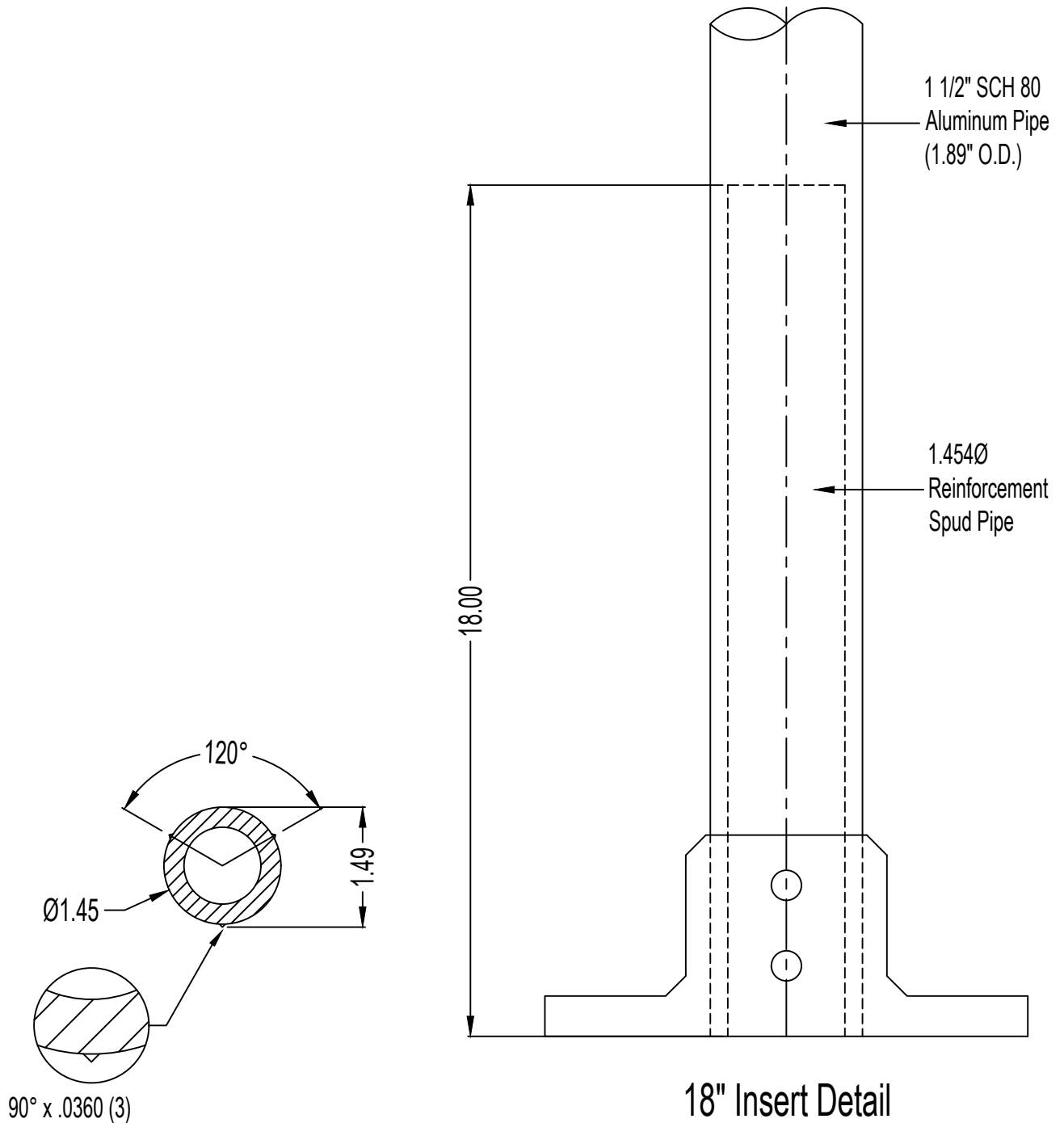
WISMB-R

Removable Side Mount Bracket

(1.89)



WII8018
18" Spud
Reinforcement
for Wesrail II
Sch.80 Posts



Moultrie Rail Systems
WESRAIL II

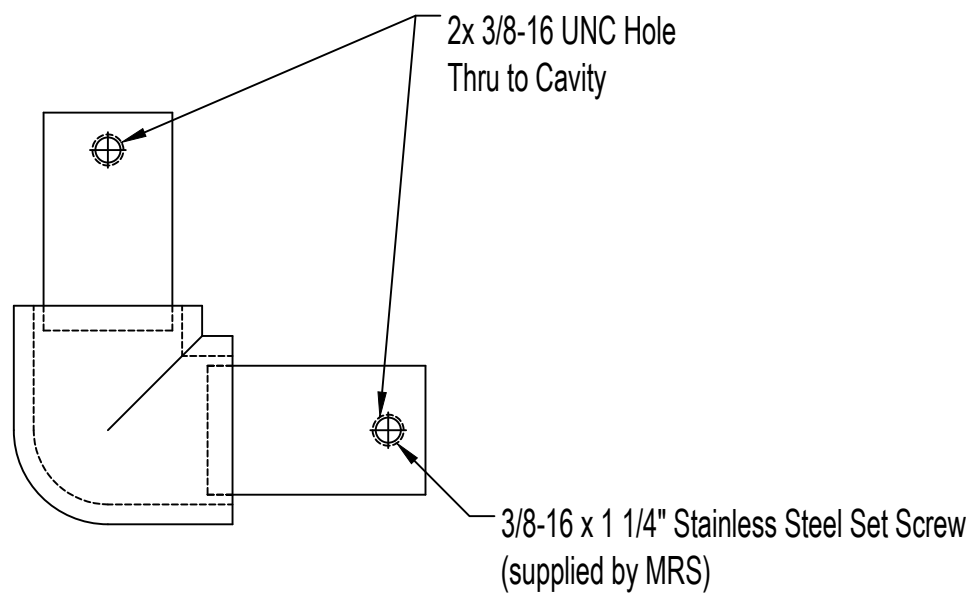
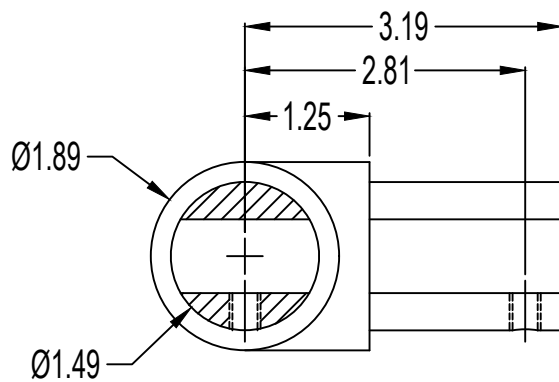
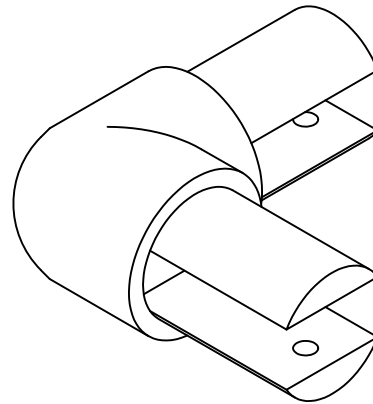
90° Elbow Tee Detail Drawings

Page 27.....WIIEL90
(90° ELBOW TEE FOR RAIL CORNERS)

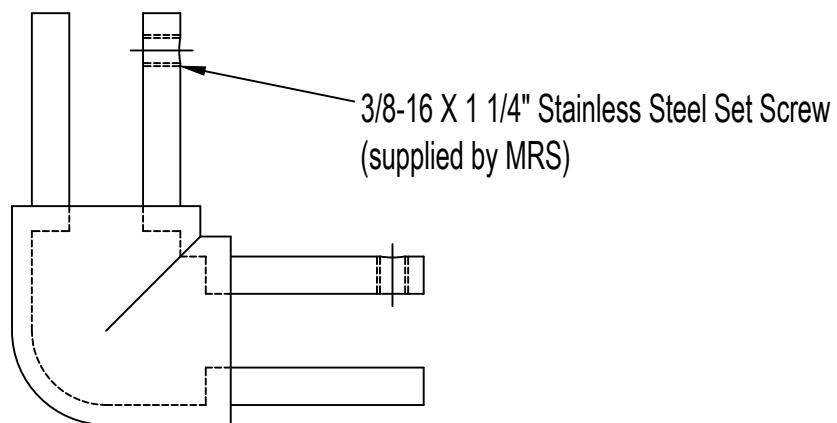
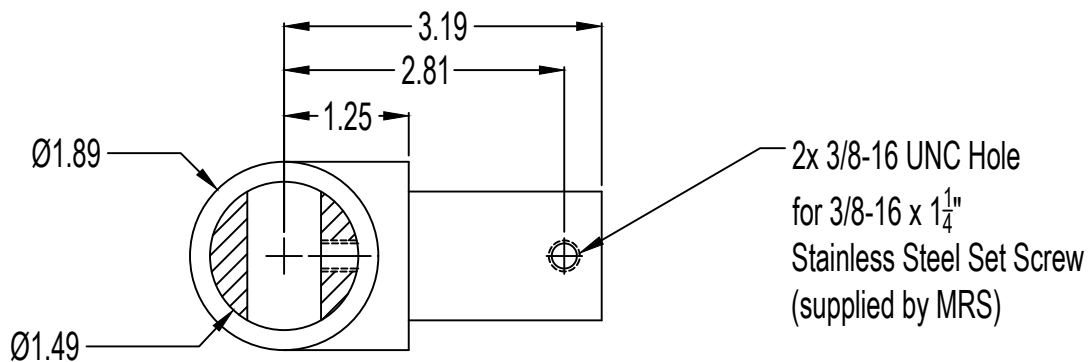
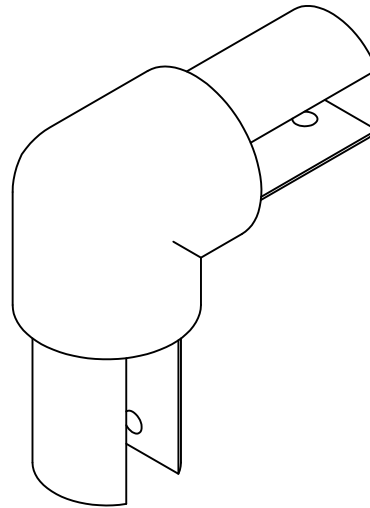
Page 28.....WIIEL90T
(90° ELBOW TEE FOR TOP OF END LOOP)

Page 29.....WIIEL90B
(90° ELBOW TEE FOR BOTTOM OF END LOOP)

WIEL90
Wesrail II
90° Elbow Tee for
Rail Corners

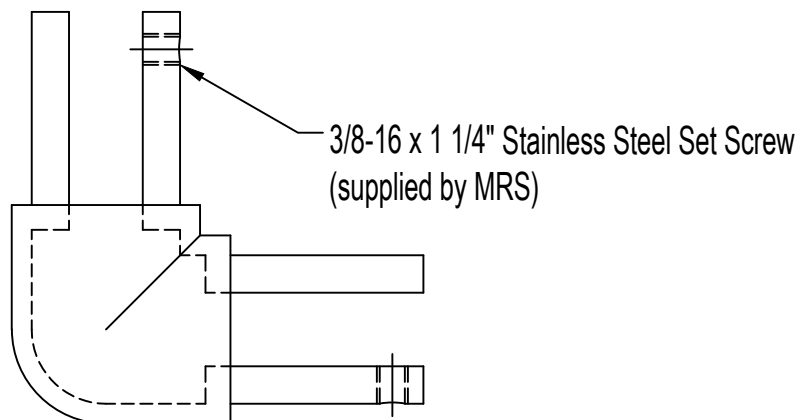
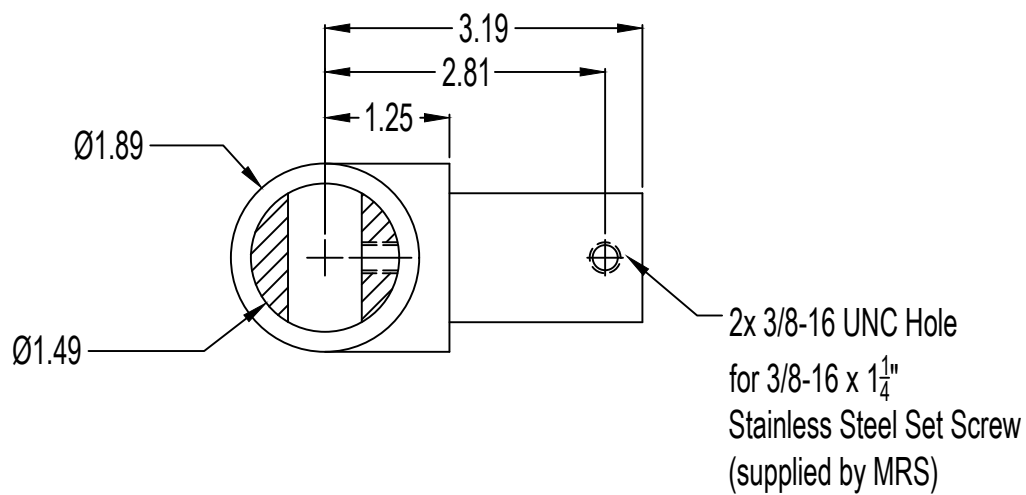
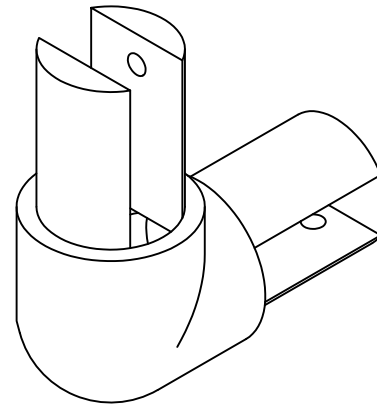


WIEL90T
Wesrail II
90° Elbow Tee for
Top of End Loop



WIEL90B

Wesrail II

90° Elbow Tee for
Bottom of End Loop

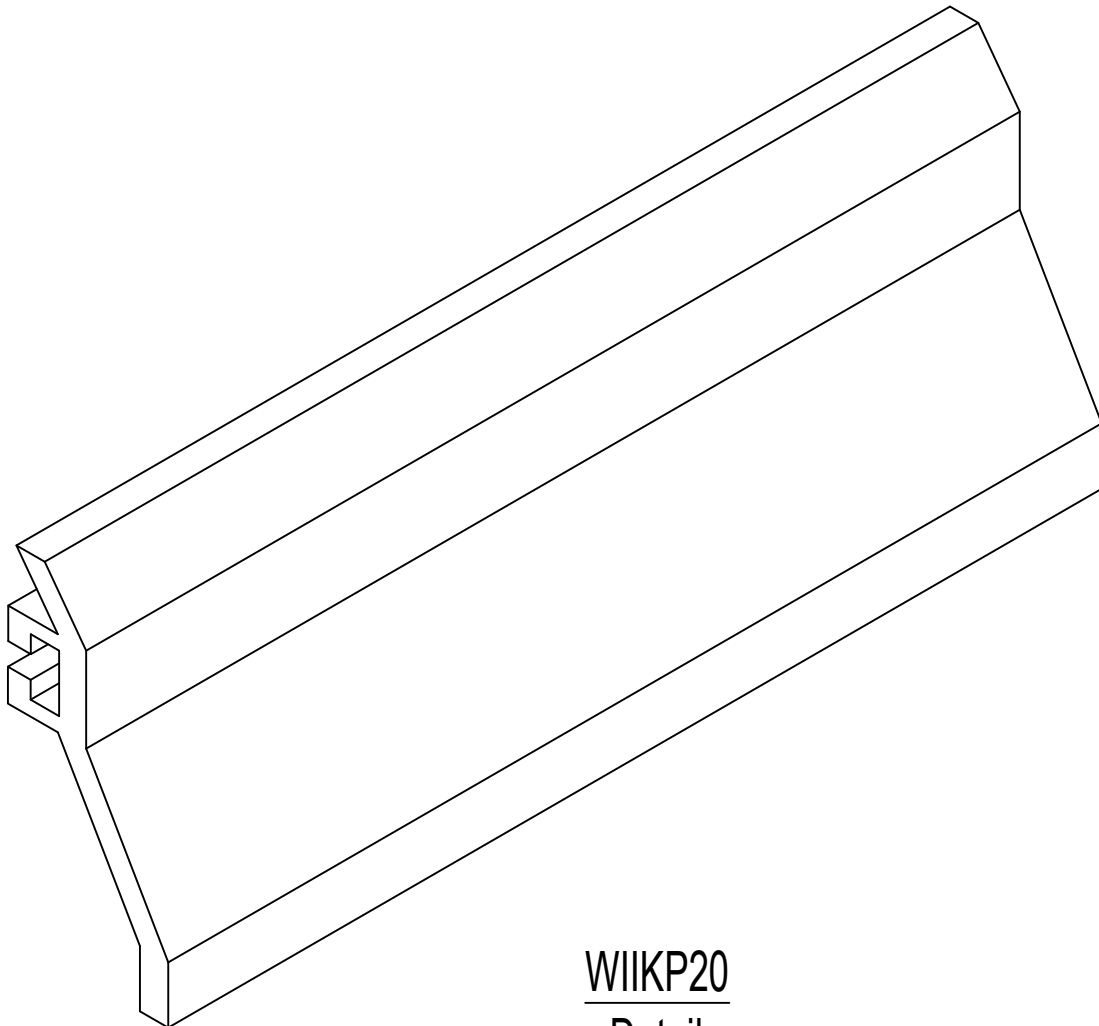
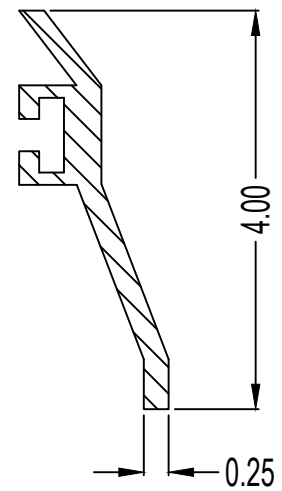
Moultrie Rail Systems

WESRAIL II

Kickplate Detail Drawings

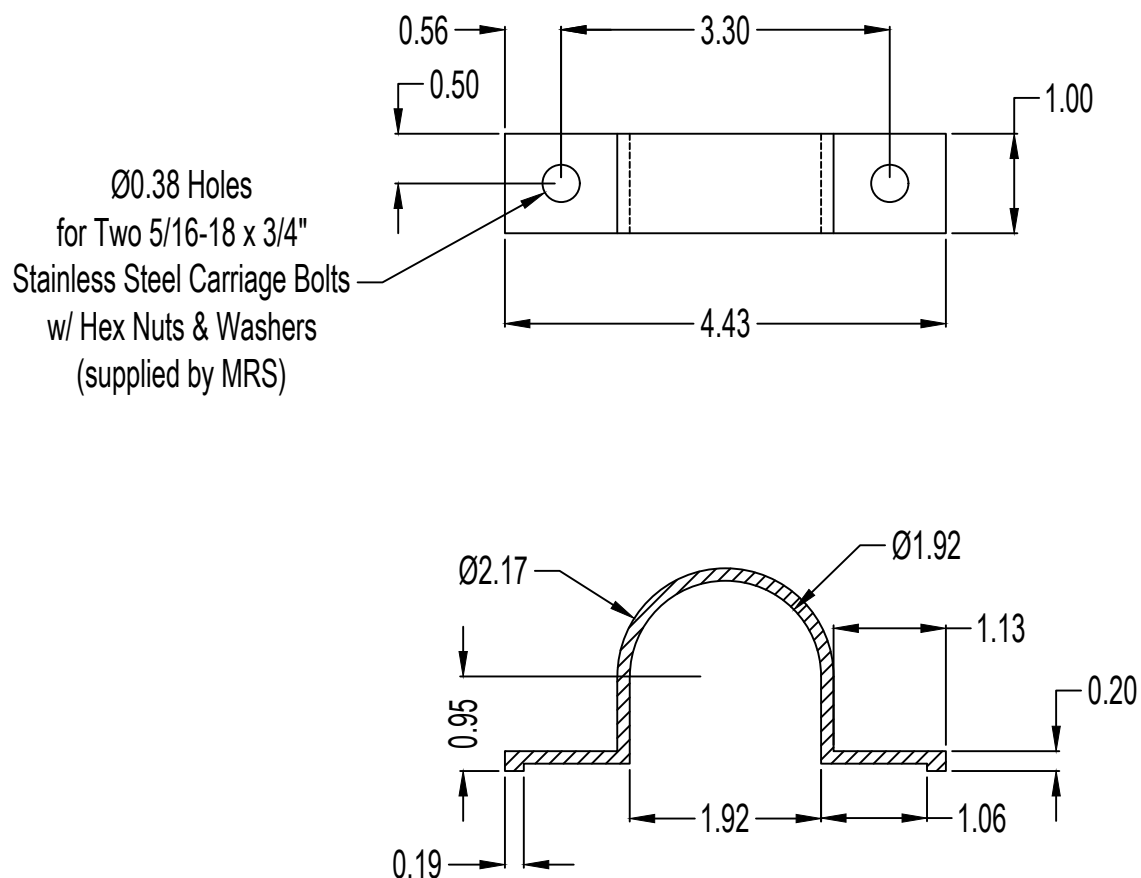
Page 31.....	WIIKP20 (1/4 X 4 Contour Kickplate (Shipped in 16ft Lengths))
Page 32.....	WIIKPB (Bracket for 1/4" x 4" Contour Kickplate)
Page 33.....	WIIKPB (Bracket for 1/4" x 4" Flatbar Kickplate)
Page 34.....	WIIKPSpacer-Contour (Spacer Bar for Contour Kickplate used with WI14HB Bases)
Page 35.....	WIIKPSpacer-Flatbar (Spacer Bar for Flatbar Kickplate used with WI14HB Bases)
Page 36.....	WIIKPS (Kickplate Splice for Contour Kickplate)
Page 37.....	WIIKPS (Kickplate Splice for Flatbar Kickplate)
Page 38.....	WEZ-KPAB (Kickplate Angle Bracket)

WIKP20 (Anodized)
1/4 X 4 Contour Kickplate
(Shipped in 16ft Lengths)

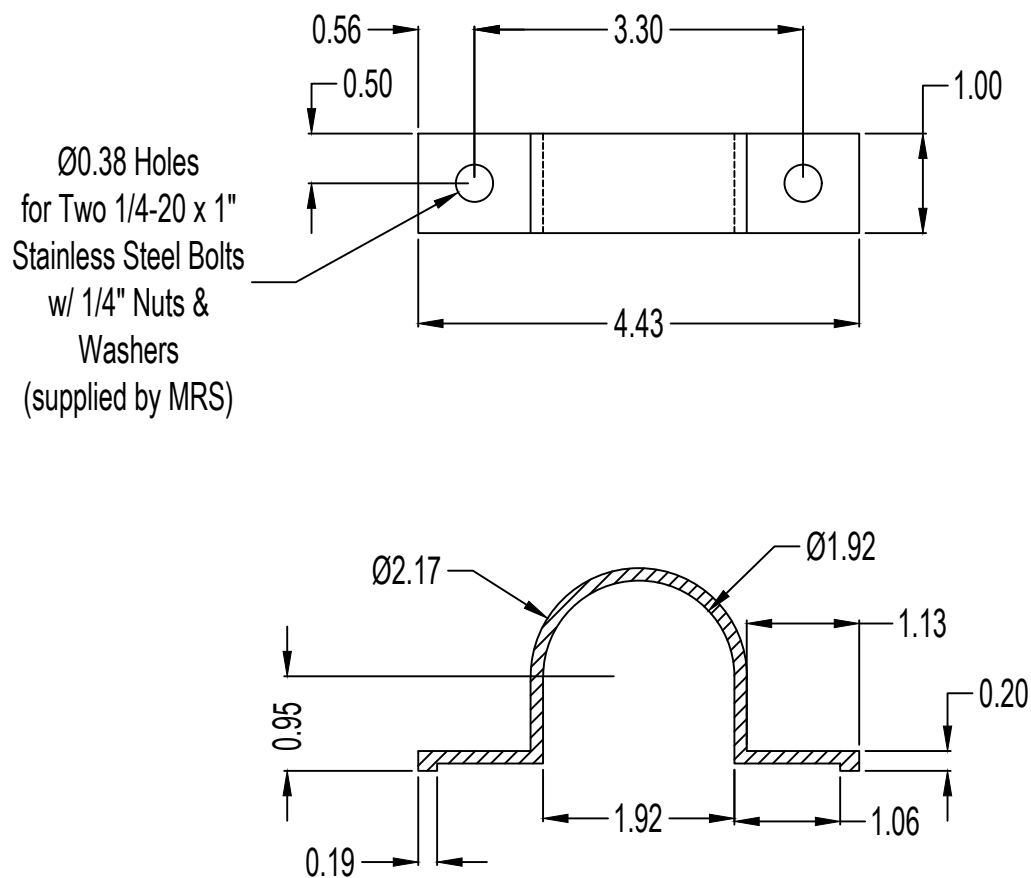


WIKP20
Detail

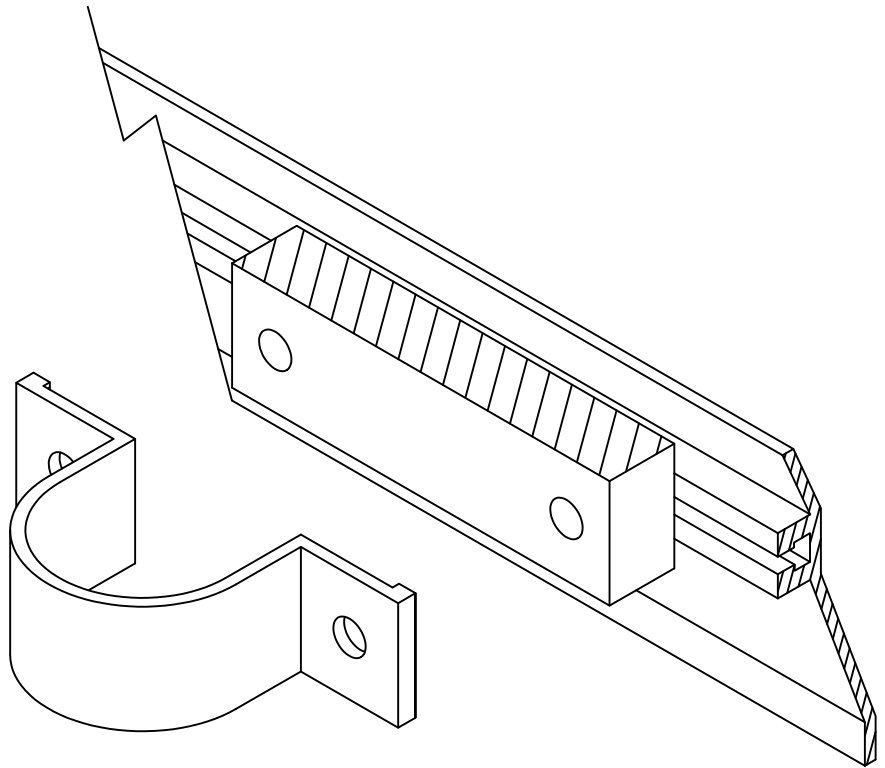
WIIKPB
Bracket for
1/4" x 4" Contour
Kickplate



WIKPB
Bracket for
1/4" x 4" Flatbar
Kickplate

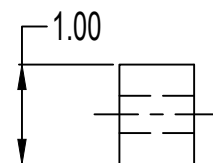
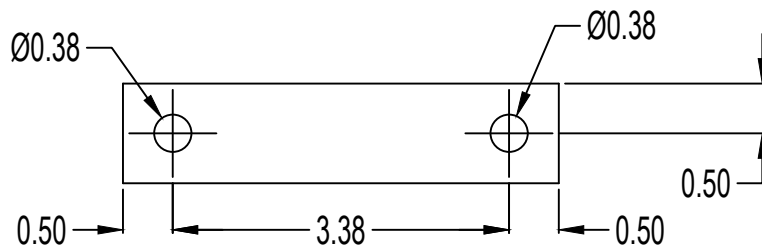
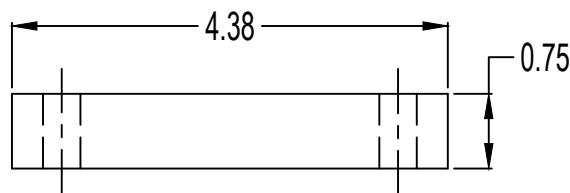


WIKPSpacer
Spacer Bar for
Contour Kickplate used
with WII4HB Bases

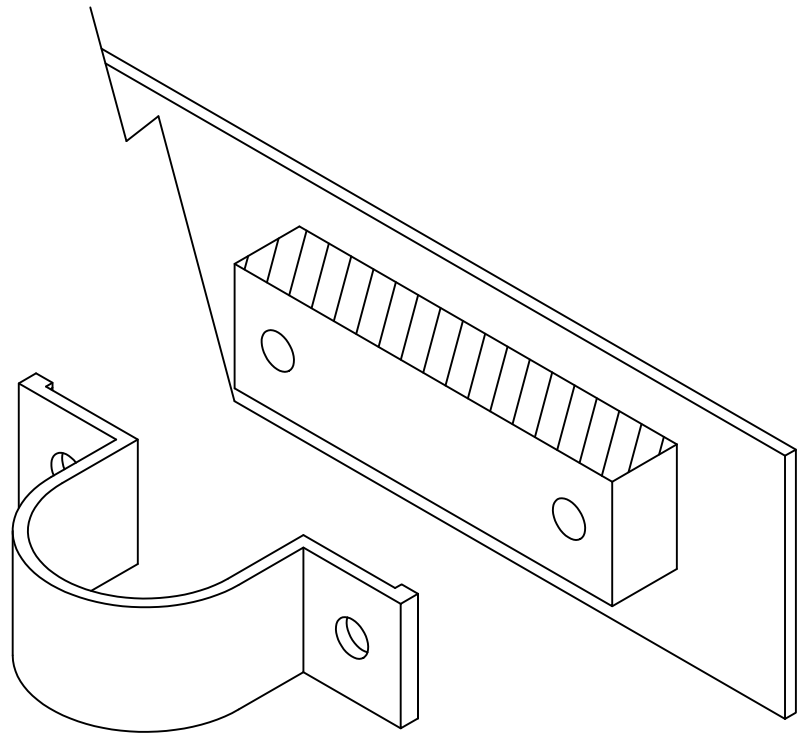


WIKPSpacer must be used
with WIKPB Bracket

(Requires two 5/16-18 x 1 1/2"
Stainless Steel Carriage Bolts
w/ 1/4" Nuts & Washers for the
WIKPB Kickplate Bracket)

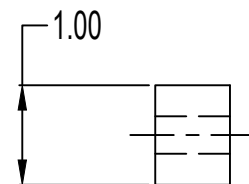
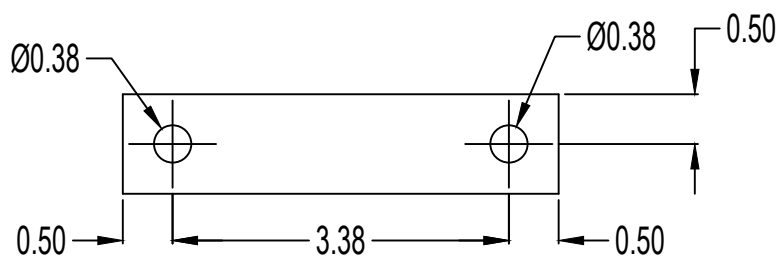
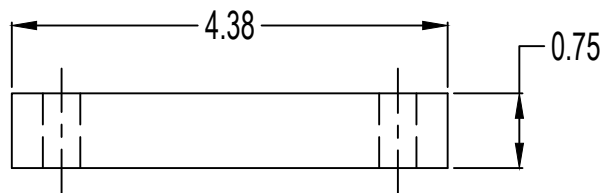


WIKPSpacer
Spacer Bar for
Flatbar Kickplate used
with WII4HB Bases

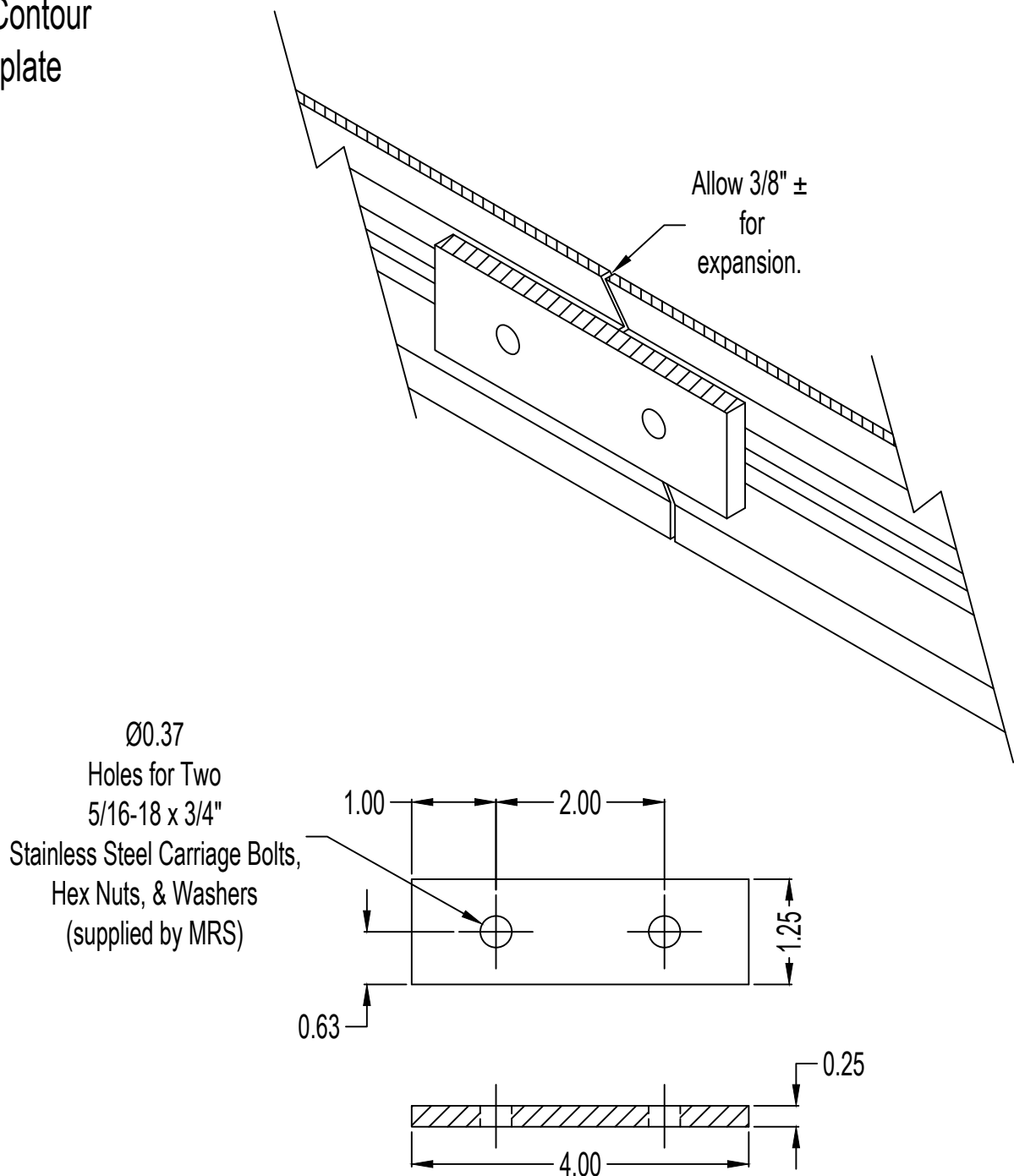


WIKPSpacer must be used
with WIIKPB Bracket

Requires two 1/4-20 x 1 1/2"
Stainless Steel Bolts for the
WIIKPB Kickplate Bracket
(supplied by MRS)

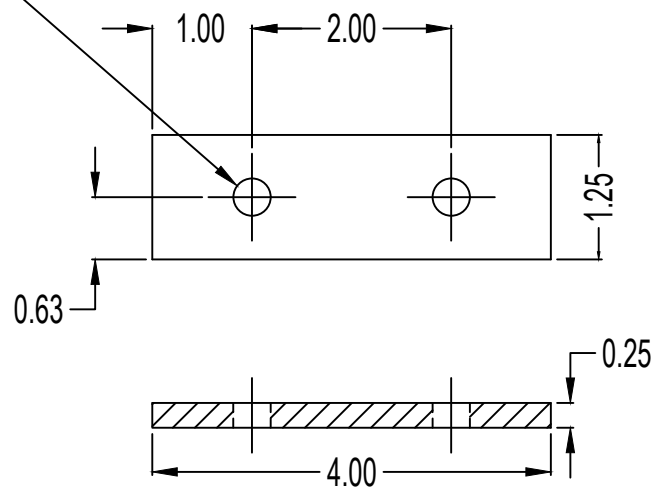


WIKPS
Kickplate Splice
for Contour
Kickplate

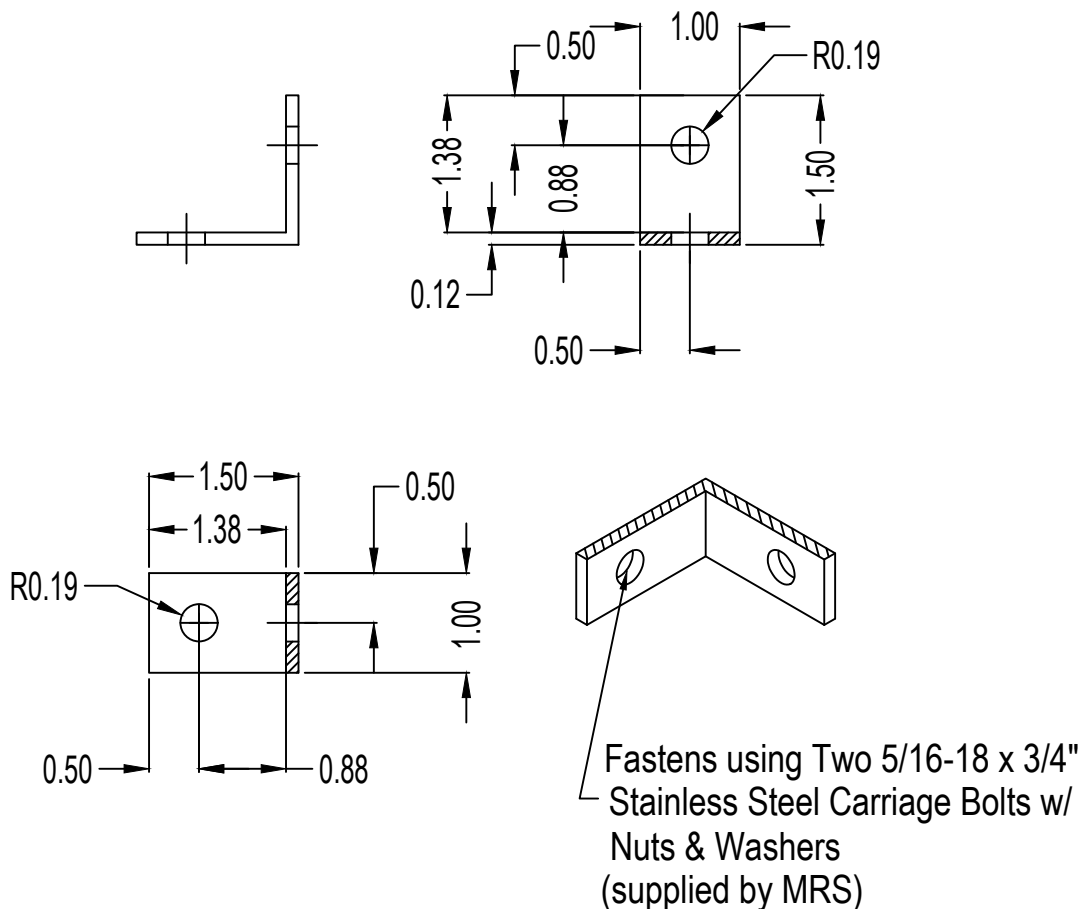


WIKPS
Kickplate Splice
for Flatbar Kickplate

Ø0.37 Holes
for Two 1/4-20 x 1"
Stainless Steel Bolts
w/ 1/4" Nuts &
Washers
(supplied by MRS)



WEZ-KPAB Kickplate Angle Bracket



NOTE:

Angle Bracket for Flatbar Kickplate
Fastens using Two 1/4-20 x 1"
Stainless Steel Bolts
w/ 1/4" Nuts & Washers
(Supplied by MRS)

Kickplate Angle Bracket

Moultrie Rail Systems

WESRAIL II

Assist Rail Detail Drawings

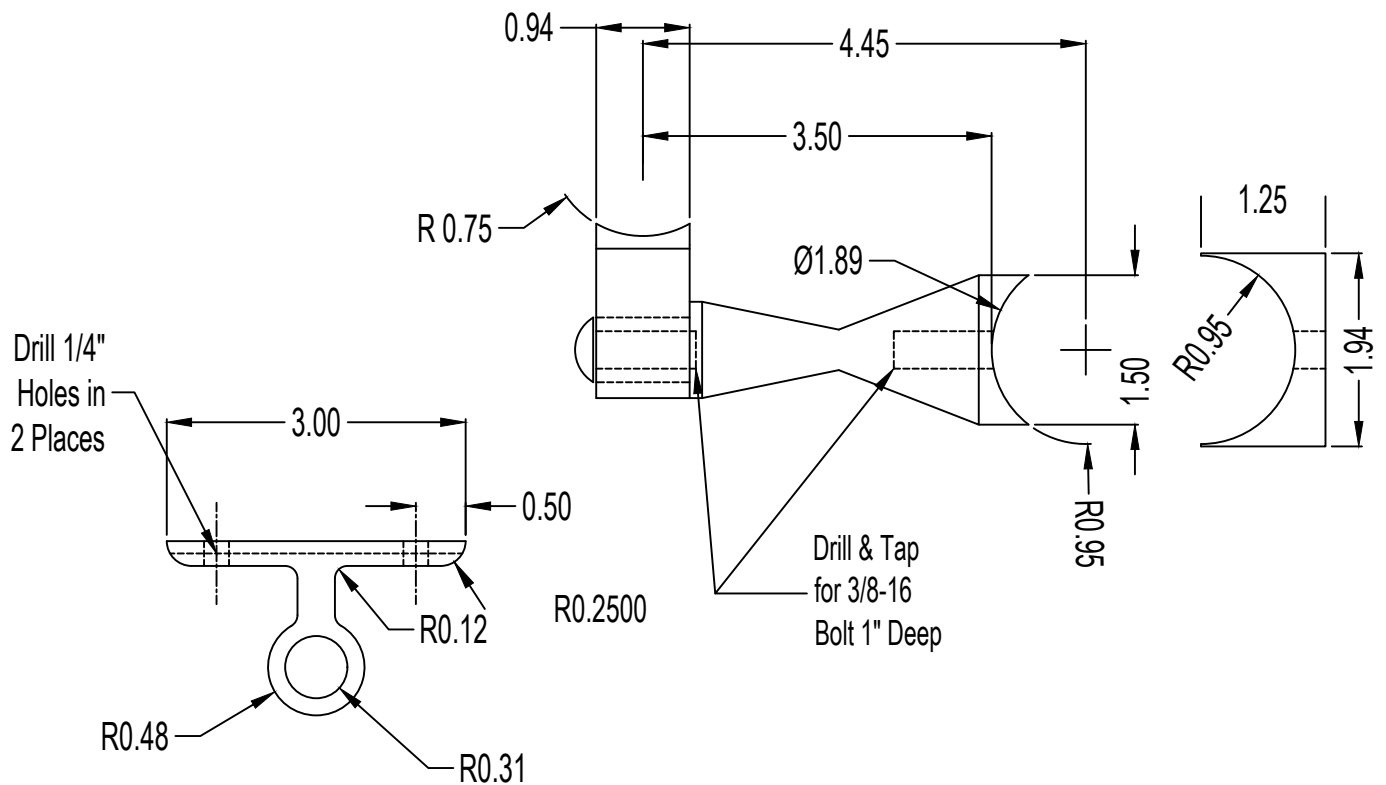
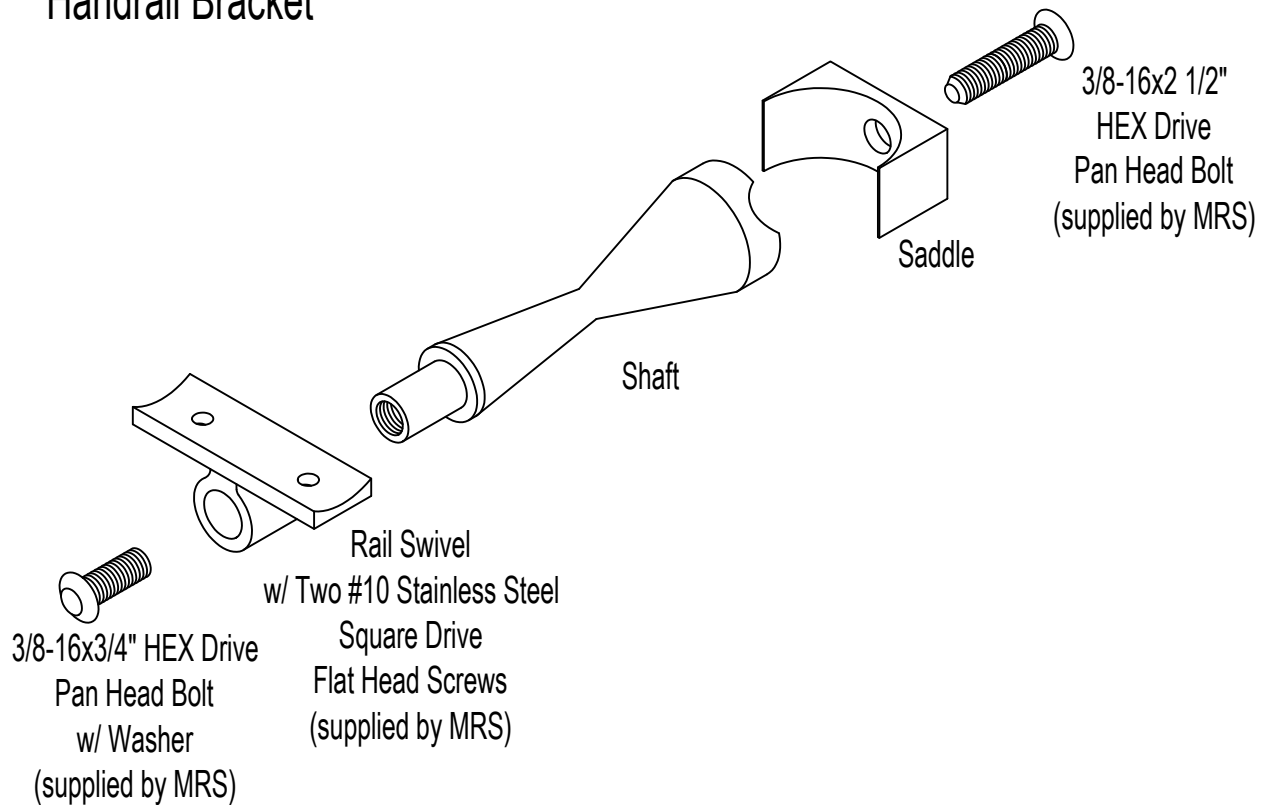
Page 40.....WE61500
(SHORT UNIVERSAL HANDRAIL BRKT.)

Page 41.....WE61501
(LONG UNIVERSAL HANDRAIL BRKT.)

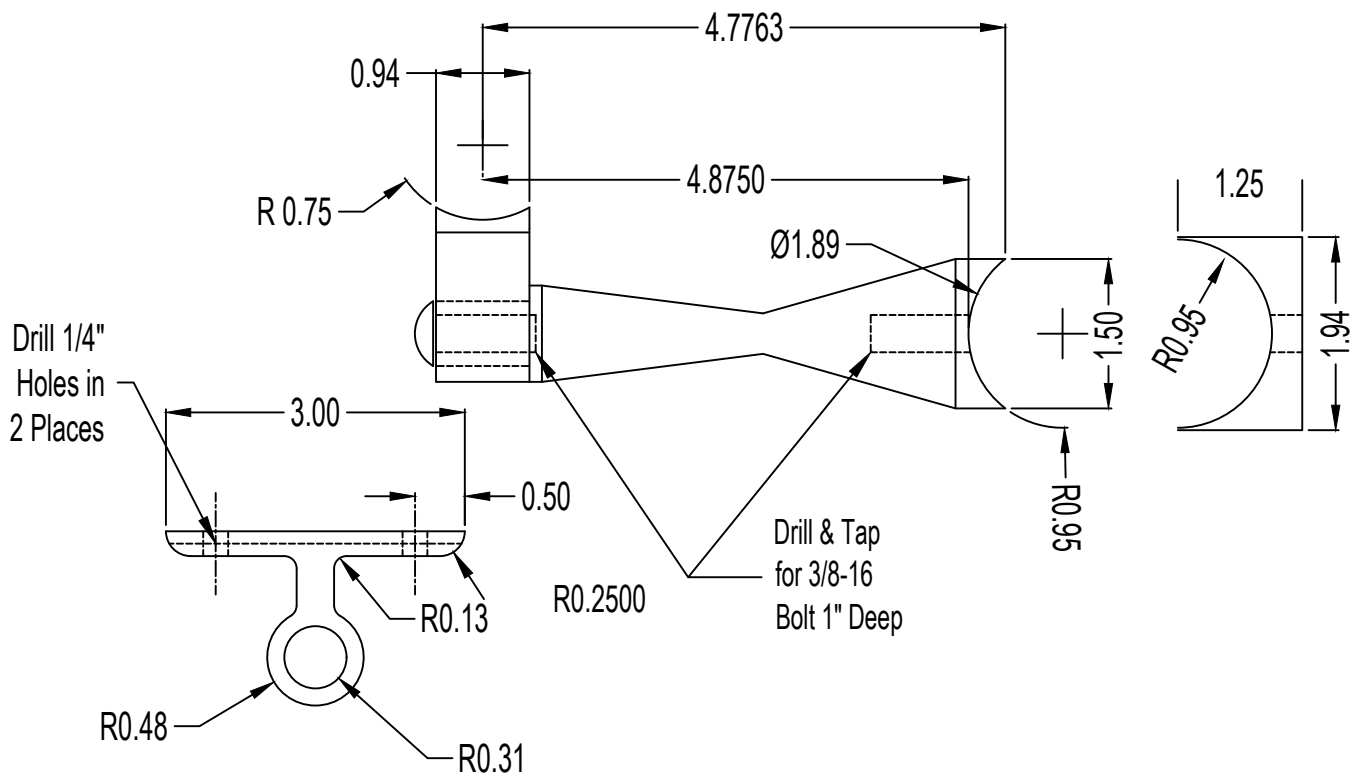
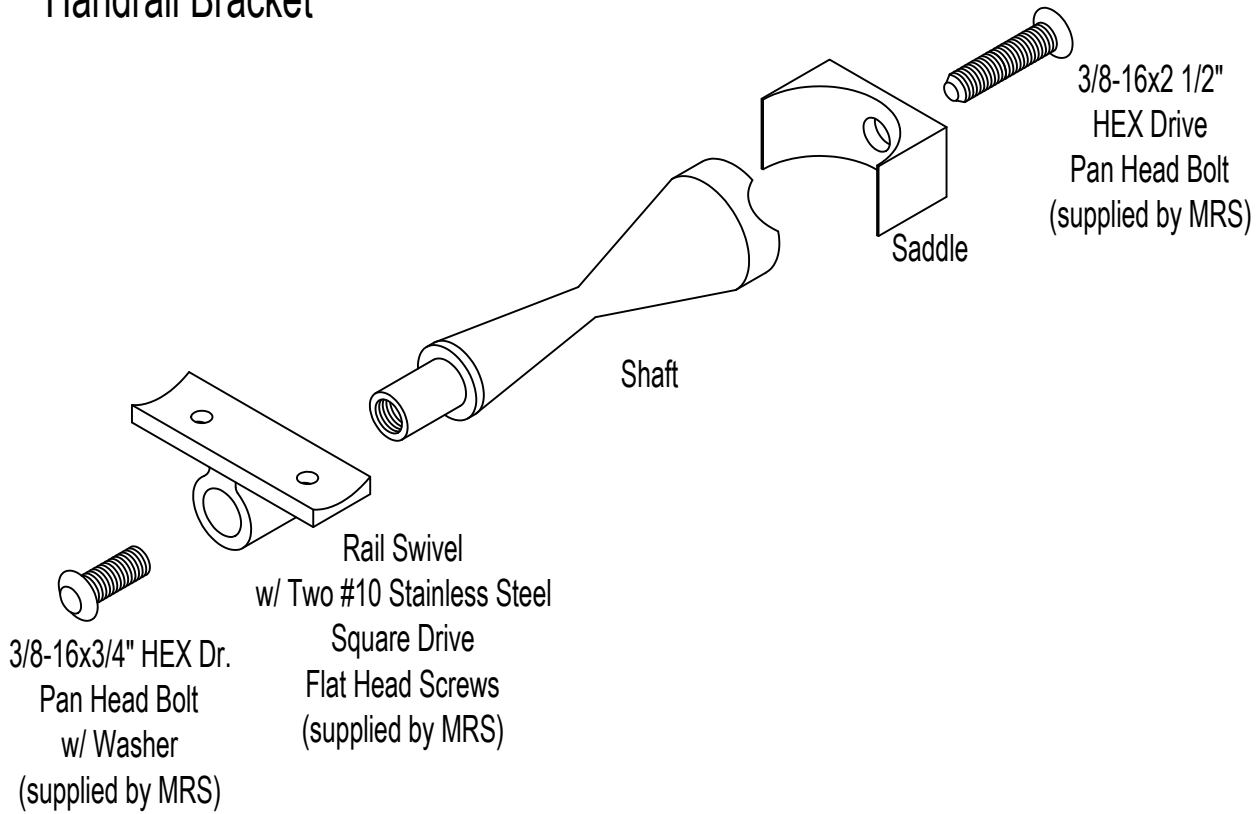
Page 42.....WE61502II
(1.5 Return to Post Tee Fitting (for Attached Handrails))

Page 43.....WE41045
(Universal Wall Handrail Brkt.)

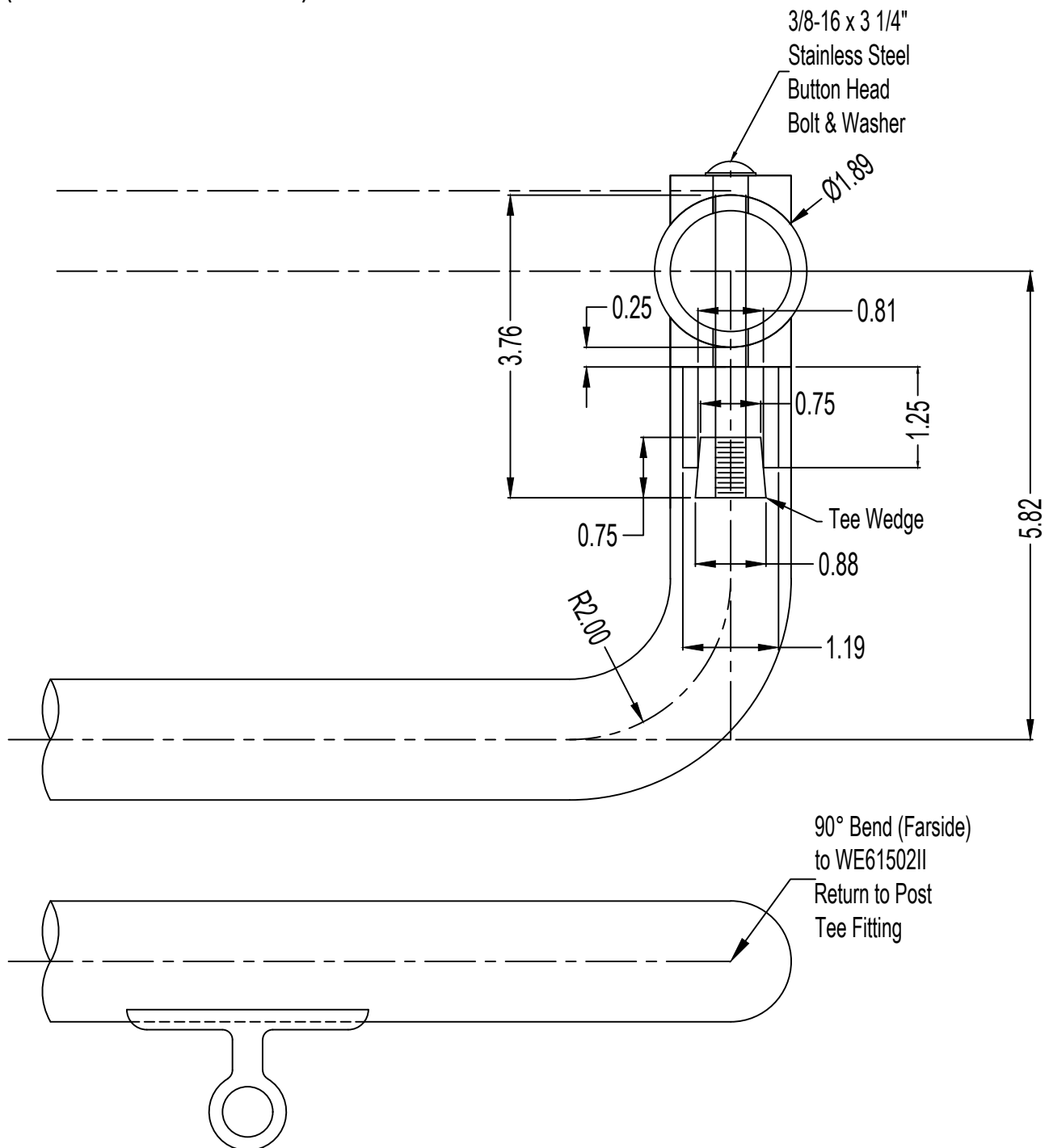
WE61500
Short Universal
Handrail Bracket



WE61501
Long Universal
Handrail Bracket



WE61502II
 1.5 Return to Post
 Tee Fitting
 (for Attached Handrails)



WE41045 Universal Wall Handrail Bracket

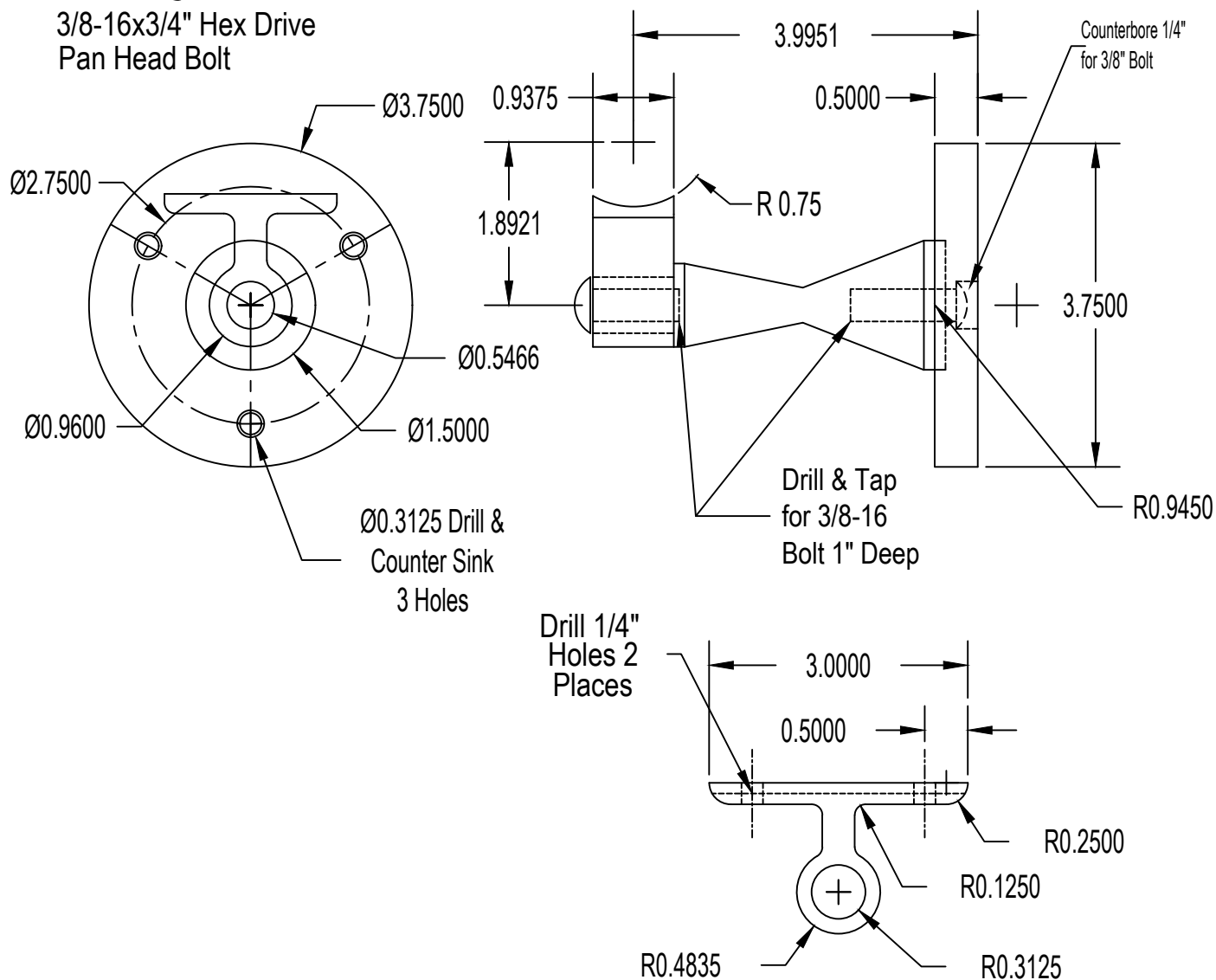

3/8-16x3/4"
Hex Drive
Pan Head Bolt

Wall Flange

Shaft

Rail Swivel
w/ Two #10 Stainless Steel Square Drive
Flat Head Screws
(supplied by MRS)


3/8-16x3/4" Hex Drive
Pan Head Bolt



Moultrie Rail Systems

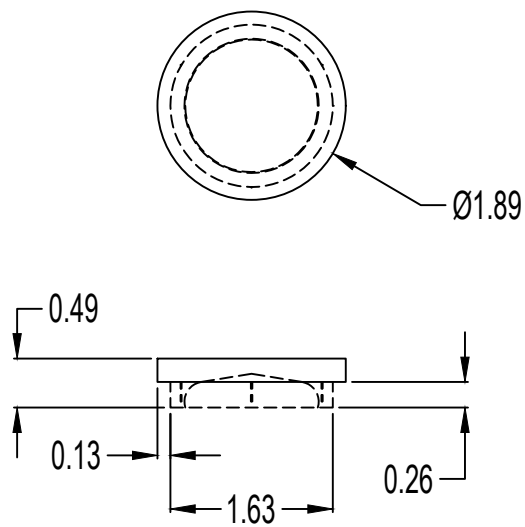
WESRAIL II

Endcap Detail Drawings

Page 45.....W21400
(SCH. 40 ENDCAP)

Page 46.....W21400-80
(SCH. 80 ENDCAP)

W21400
SCH. 40 Endcap



W21400-80 SCH. 80 Endcap

