The Heirisson Island Tournament Water Ski Club jump is situated on the Swan River, in the heart of Perth. The jump was wholly constructed by volunteer members of the Heirisson Island Tournament Water Ski Club.

The concept of our jump was to make as much as possible bolted together so that it can be easily transported to the galvanisers. It also had to be constructed by people with minimal skills and minimum equipment. All you need is a drop saw, an angle grinder, a ½" heavy duty low speed electric drill and an arc welder. There is also a demountable section below the waterline which is not only to make the bottom stiffer, but (in theory) to be removable so as to repair damage caused by some of the idiots that drive Jet Skis over it. The hydraulic rams are positioned so that the jump goes between 1m and 1.85m.

The following Jump plans were created by club member Robert Bingham in 2008-9 and are made freely available to the water ski community in the hope that they will advance the sport. Our thanks are due to Robert; however they carry no warranty as to fitness for purpose whatsoever. For further information on design and construction please contact Robert Bingham at;-
Robert.b.bingham@gmail.com

A photo gallery of jump construction can be found at;-
http://www.hitwaterski.com.au/

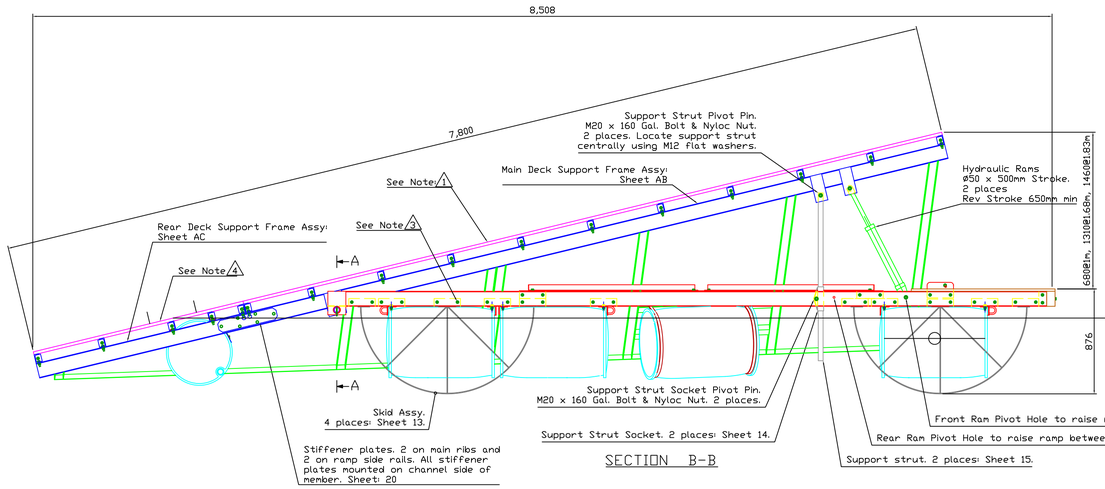
For information regarding membership, tournaments and other club activities please email info@hitwaterski.com.au

Ski Jump Drawing List

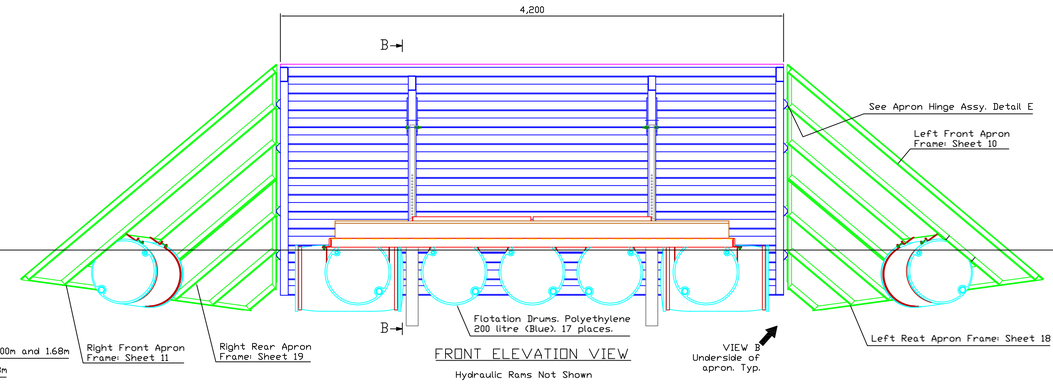
Sheet	Drawing Name	Sheet Size
GA	Ski Jump 2	A1
AB	Main Deck Support Assy	A1
AC	Rear Deck Support Assy	A1
1	Main Deck Support	A1
2	Rear Deck Support	A1
3	Left Base Frame	A1
4	Right Base Frame	A1
5	Flotation Support	A1
6	Flotation Straps	A1
7	Connector plate	A4
8	Front Spacer	A4
9	Pivot Pin	A4
10	Left Front Apron Frame	A1
11	Right Front Apron Frame	A1
12	Access Platform	A1
13	Skid Assy.	A1
14	Strut Socket	A3
15	Support Strut	A2
16	Spacer A	A4
17	Reinforcing Strut	A2
18	Left Rear Apron Frame	A1
19	Right Rear Apron Frame	A1
20	Stiffener plate	A4
21	Spacer B	A4
22	Deck Cross Beam	A2
23	Deck Junction Cross Beam	A2
24	Main Deck Left Side Beam	A1
25	Main Deck Right Side Beam	A1
26	Main Deck Left Beam	A1
27	Main Deck Right Beam	A1
28	Rear Deck Left Side Beam	A2
29	Rear Deck Right Side Beam	A2
30	Rear Deck Left Beam	A2
31	Rear Deck Right Beam	A2
32	Left Flotation Support Beam	A3
33	Right Flotation Support Beam	A3
34	Ram Bracket	A4

Ski Jump Parts Inventory for Galvanising

Sheet No.	Part Name	Material	Qty
3	Left Base Frame	125 x 65 Channel x 6m	2
4	Right Base Frame	125 x 65 Channel x 6m	2
5	Flotation Support	75 x 75 x 6 Angle Frame	3
6	Flotation Straps- Outer main	5 x 25 Flat Bar formed	12
6	Flotation Straps- Inner main	5 x 25 Flat Bar formed	18
6	Flotation Straps- Intermediate	5 x 25 Flat Bar formed	8
6	Flotation Straps- Short	5 x 25 Flat Bar formed	8
7	Connector plate	150 x 200 x 6 Flat Plate	1
8	Front Spacer	125 x 65 Channel x 125	2
9	Pivot Pin	40 dia Steel Tube x 330	2
10	Left Front Apron Frame	50 x 50 x 5 Angle and 75 x 40 Channel Welded Frame	1
11	Right Front Apron Frame	50 x 50 x 5 Angle and 75 x 40 Channel Welded Frame	1
13	Skid Assy.	100 x 6 Flat bar welded frame	4
14	Strut Socket	50 x 50 x 4 SHS tube welded component	2
15	Support Strut	40 x 40 x 4 SHS tube x 1.4m	2
16	Spacer A	125 x 65 Channel x 220 (1 hole)	12
17	Reinforcing Strut	50 x 50 x 5 Angle x 1.7m	4
18	Left Rear Apron Frame	50 x 50 x 5 Angle and 75 x 40 Channel Welded Frame	1
19	Right Rear Apron Frame	50 x 50 x 5 Angle and 75 x 40 Channel Welded Frame	1
20	Stiffener plate	100 x 10 Flat Bar x 500	4
21	Spacer B	125 x 65 Channel x 220 (2 hole)	2
22	Deck Cross Beam	75 x 40 Channel x 4.07m	13
23	Deck Junction Cross Beam	75 x 40 Channel x 4.07m	2
24	Main Deck Left Side Beam	125 x 65 Channel x 6m	1
25	Main Deck Right Side Beam	125 x 65 Channel x 6m	1
26	Main Deck Left Beam	125 x 65 Channel x 6m	1
27	Main Deck Right Beam	125 x 65 Channel x 6m	1
28	Rear Deck Left Side Beam	125 x 65 Channel x 1.8m	1
29	Rear Deck Right Side Beam	125 x 65 Channel x 1.8m	1
30	Rear Deck Left Beam	125 x 65 Channel x 1.8m	1
31	Rear Deck Right Beam	125 x 65 Channel x 1.8m	1
32	Left Flotation Support Beam	75 x 40 Channel x 1.068m	1
33	Right Flotation Support Beam	75 x 40 Channel x 1.068m	1

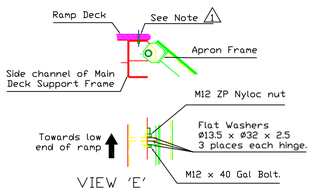


SECTION B-B



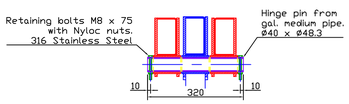
FRONT ELEVATION VIEW

Hydraulic Rams Not Shown



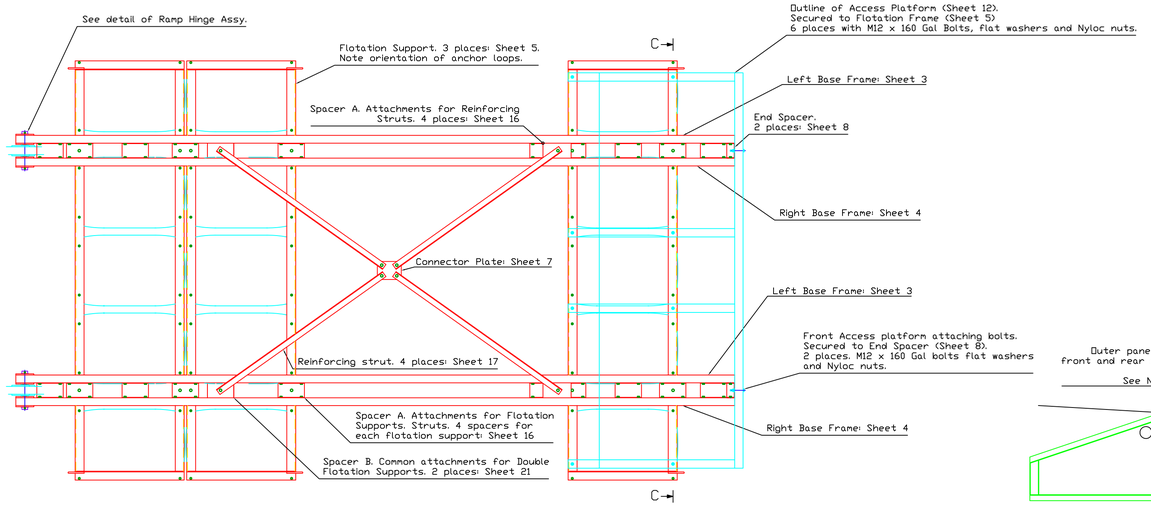
APRON HINGE ASSY. DETAIL

Underside view and cross section showing pivot bolt arrangement.
Scale 1:10
4 places each side..



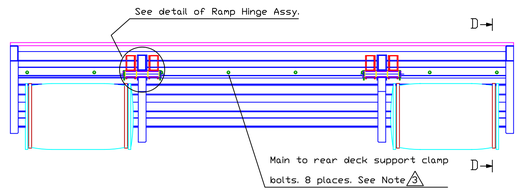
MAIN HINGE ASSY DETAIL

Scale 1:10



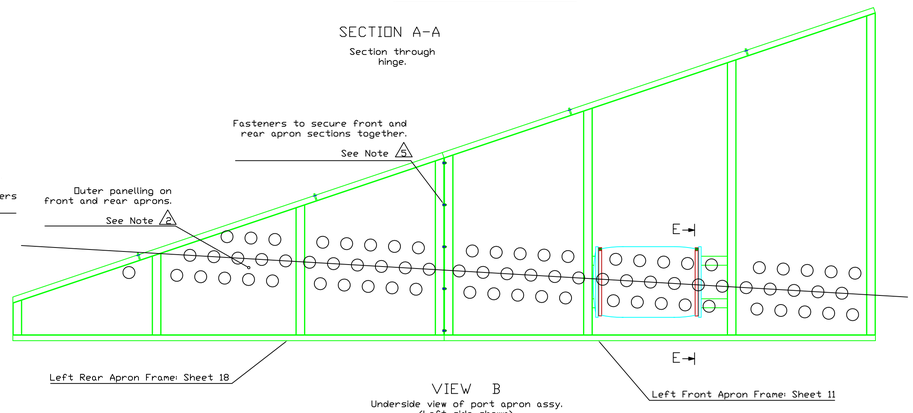
TOP VIEW OF FLOTATION FRAME ASSY.

TOP VIEW OF FLOTATION FRAME ASSY
Deck structure and access platform removed.



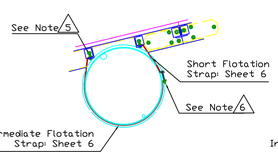
SECTION A-A

Section through hinge.



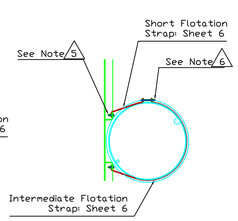
VIEW B

Underside view of port apron assy. (Left side shown).



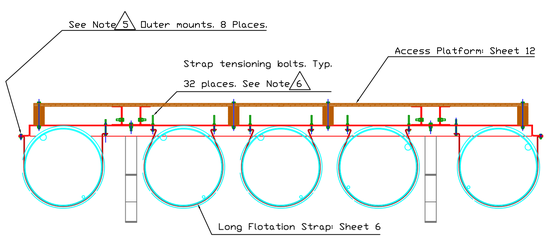
SECTION D-D

Detail of rear ramp flotation strap assy. 4 places.



SECTION E-E

Detail of apron flotation strap assy. 4 places.



DETAIL C-C

Detail of front and rear main flotation securing straps. Securing strap configuration typical for each end of front and rear flotation supports.

NOTES:

1. Main Deck matl: 19mm F11 CD A bond 1200 x 2400 plywood. Fully radius all outer edges of deck ply except edge abuting rear deck. Seal lower surface with 'Jotun Marine Coating (White)'. Deck secured to frame using 'Selleys Liquid Nails' adhesive at all contact points and 14g x 28 CSK Thread Tapping Self Tapping screws at 200mm spacing. Cover on upper side with 4 layers 450gsm CSM fiberglass with GP Resin. Resin mixed with red pigment.
2. Front and Rear Apron panel matl: 6mm F11 CD A bond 1200 wide sheet plywood. Seal all edges with General purpose polyester resin. Seal lower surface with 'Jotun Marine Coating (White)'. Panels secured to apron frame using 'Selleys Liquid Nails' adhesive at all contact points and 12g x 20 CSK Self Tapping screws at 200mm spacing. Coat outer surface with good quality enamel paint.
3. All structural fasteners M12 x 40 Gal. Hex Hd. bolts with plain nuts. Flat ø32 x 2.5 washer under head of bolt and nut.
4. Rear Deck as for main deck. Edge abuting main deck to be square. Ensure top surface deviation at edge between main rear deck to be <3mm.
5. Fasteners attaching straps to frames and securing front and rear apron frames. M8 x 25 Hex Hd 304 Stainless with Nyloc nuts and falt washers (304) under bolt head and nut.
6. Flotation Strap Tensioning Fasteners. M8 x 75 Hex Hd 304 Stainless with Nyloc nuts and falt washers (304) under bolt head and nut.

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanising

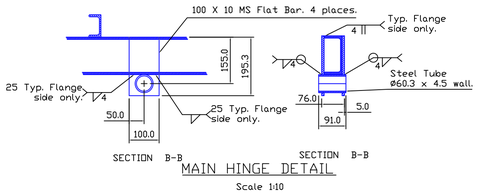
GENERAL TOLERANCE: ±5.0

NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

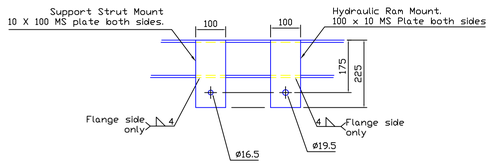
Ski Jump Assy

SCALE: 1:25	SHEET# A	PROJ#	SIZE
DATE: 9/8/2008	REVISION:	DATE:	A1
DRN BY RBB	SIG	CHKD BY	SIG



MAIN HINGE DETAIL

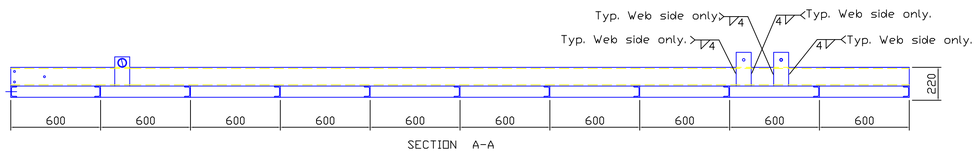
Scale 1:10



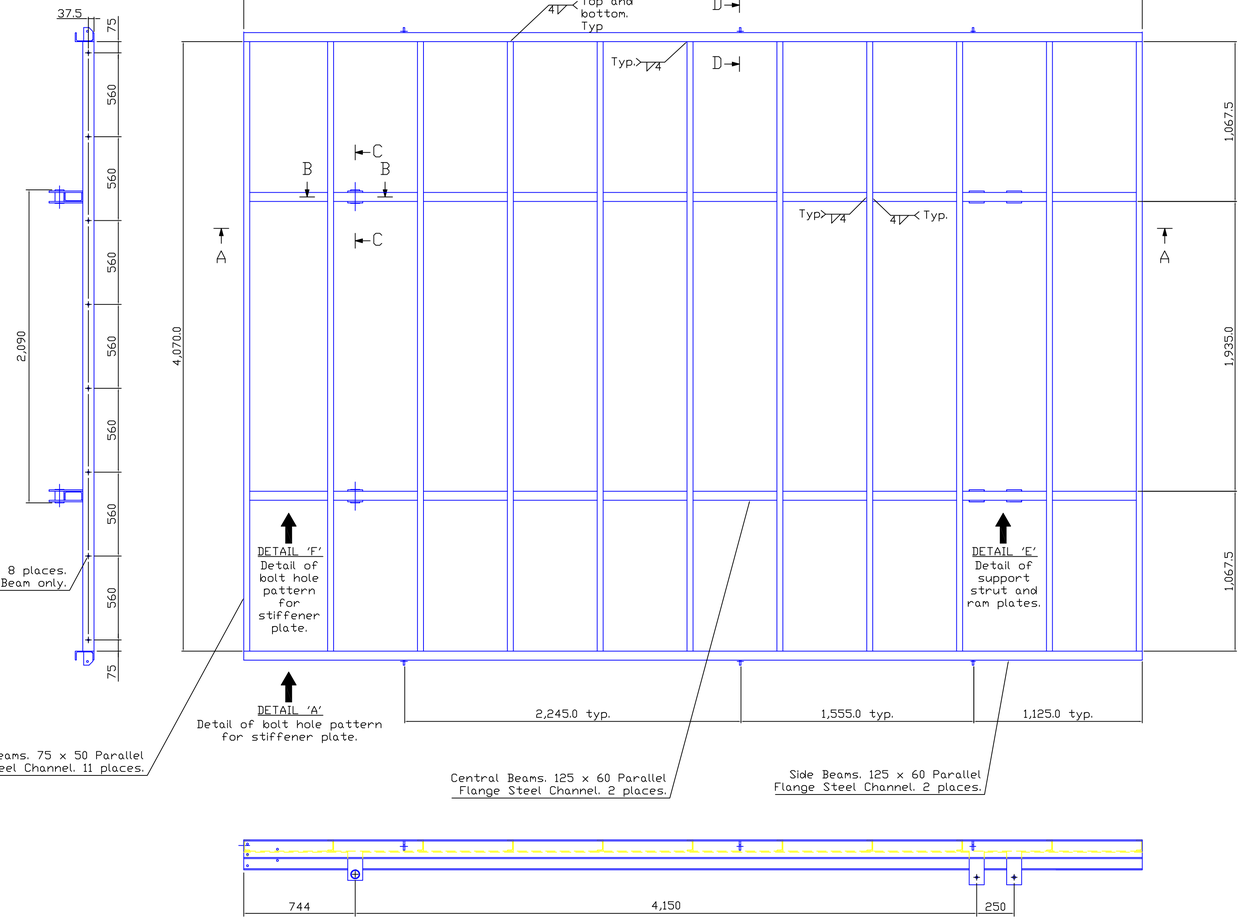
DETAIL 'E'

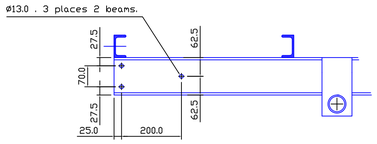
Detail of support strut and ram plates.

Scale 1:10



SECTION A-A

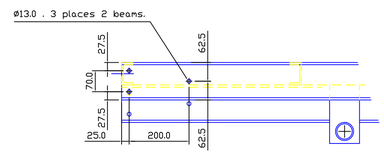




DETAIL 'F'

Detail of bolt hole pattern for stiffener plate.

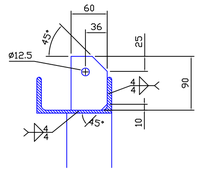
Scale 1:10



DETAIL 'G'

Detail of bolt hole pattern for stiffener plate.

Scale 1:10



SECTION D-D

DETAIL OF APRON HINGE BRACKET. TYP.

Mat'l: 10mm MS Plate.

Scale 1:5

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanising

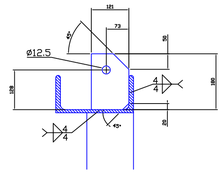
GENERAL TOLERANCE: ± 2.0

NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

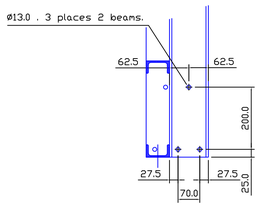
Main Deck Support

SCALE: 1:25 unless specified	SHEET# 1	PROJ# Ski Jump	SIZE
DATE: 14/9/2008	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	

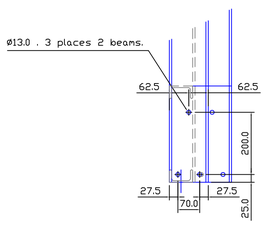


SECTION B-B
DETAIL OF APRON HINGE BRACKET. TYP.
Matl: 10mm MS Plate.
Scale 1:5

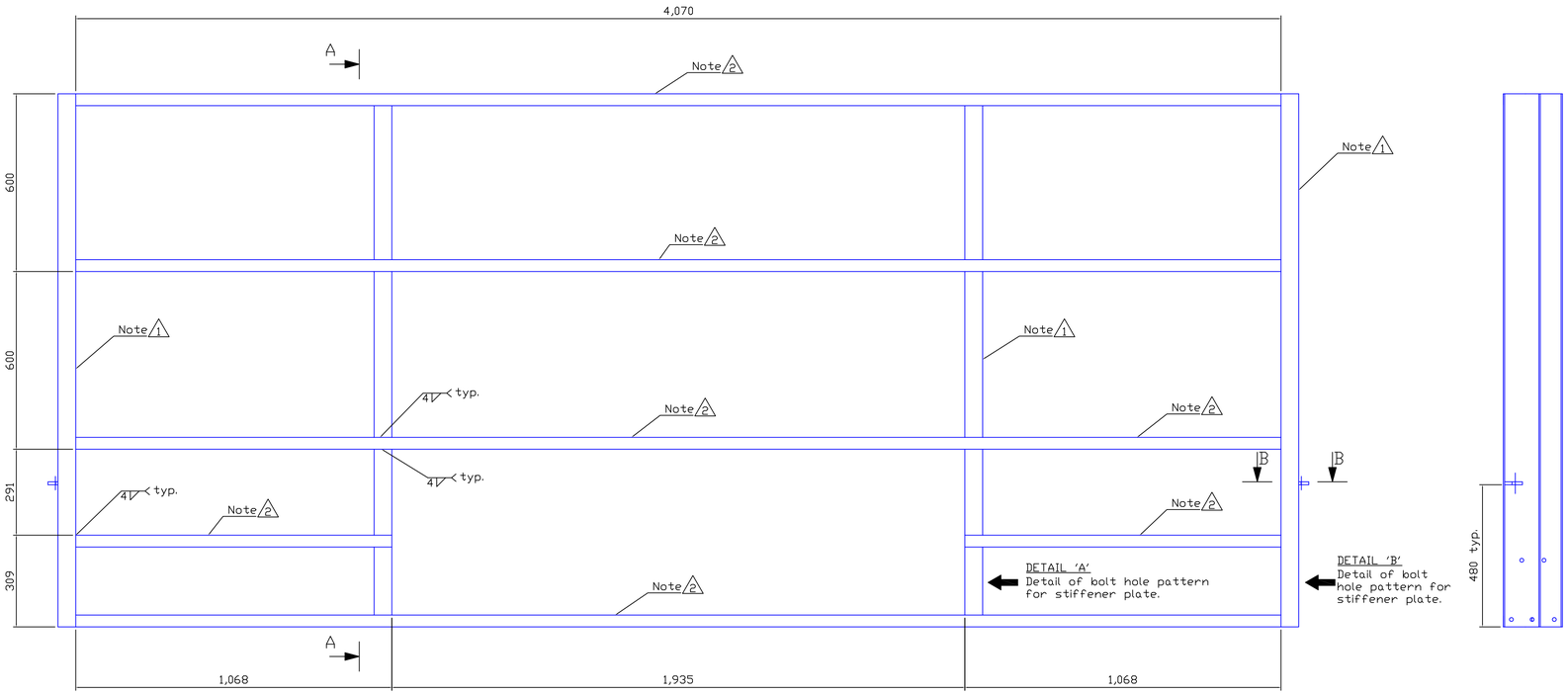
SECTION A-A

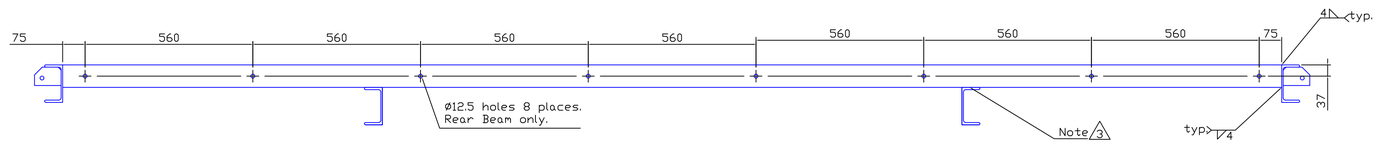


DETAIL 'A'
Detail of bolt hole pattern for stiffener plate.
Scale 1:10



DETAIL 'B'
Detail of bolt hole pattern for stiffener plate.
Scale 1:10





Part bottom view detail showing flotation strap mounting hole positions.

NOTES
1. Hot Rolled Parallel Flange Steel Channel 125mm x 65mm
2. Hot Rolled Parallel Flange Steel Channel 75mm x 40mm
3. Dress all welds flat with this face.

ZONE	REV	DESCRIPTION	DATE	CHECKED

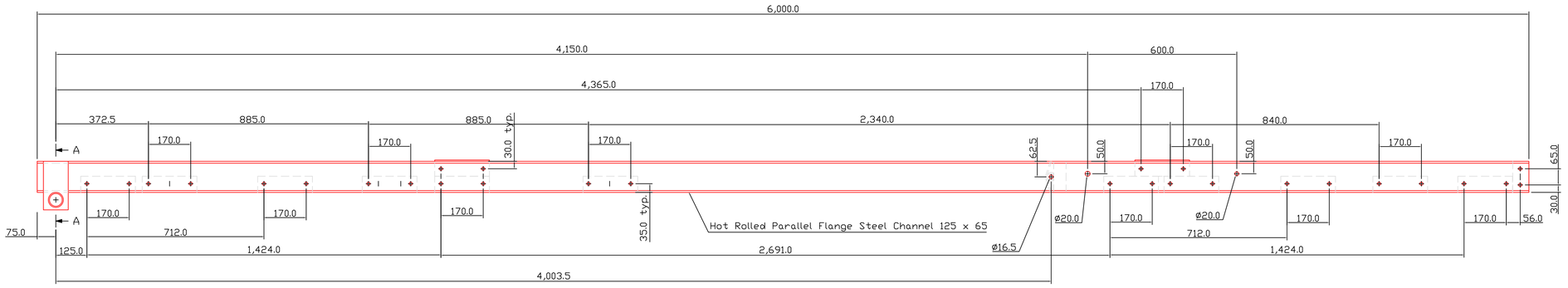
REVISIONS

MATERIAL: As specified
FINISH: Hot Dip Galvanising
GENERAL TOLERANCE: ± 1
NOTES:

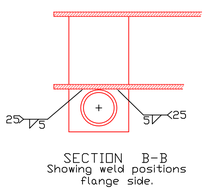
HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Rear Deck Support

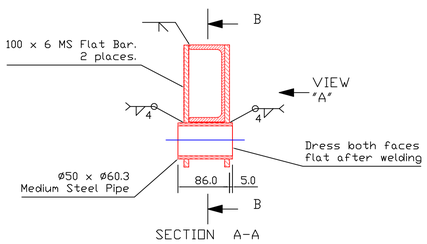
SCALE: 1:10	SHEET# 2	PROJ# Ski Jump	SIZE
DATE: 2/10/2008	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	



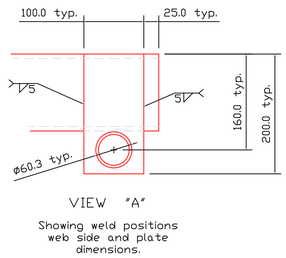
All holes ø13.0 unless specified.



SECTION B-B
Showing weld positions flange side.



SECTION A-A



VIEW "A"
Showing weld positions web side and plate dimensions.

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanising

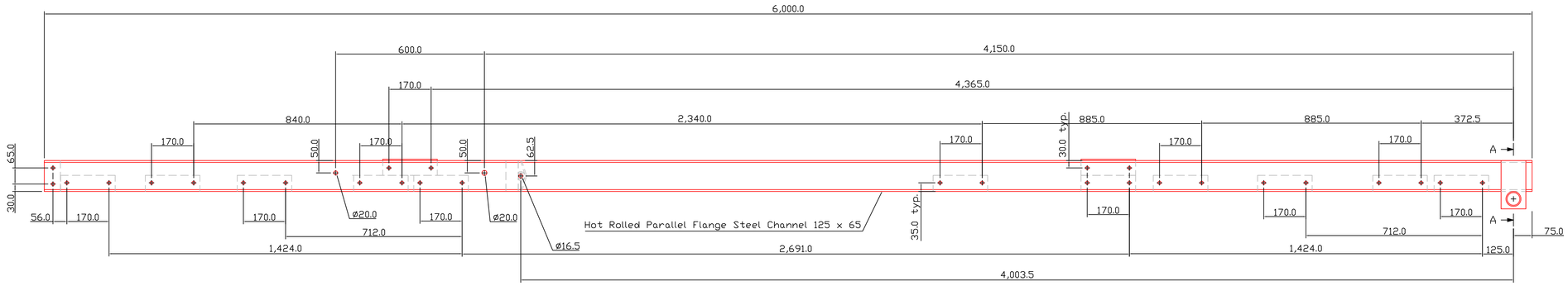
GENERAL TOLERANCE: ± 1.0

NOTES:

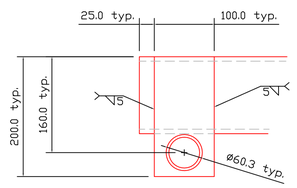
HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Left Base Frame

SCALE: 1:10	SHEET# 3	PROJ# Ski Jump	SIZE
DATE: 3/10/2008	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	

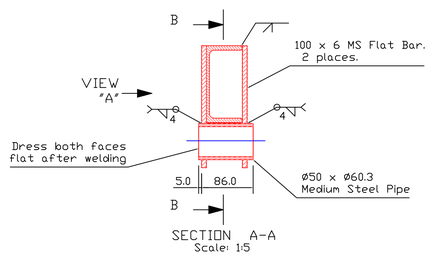


All holes ø13.0 unless specified.

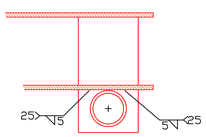


VIEW "A"

Showing weld positions web side and plate dimensions.
Scale: 1:5



SECTION A-A
Scale: 1:5



Showing weld positions flange side.
Scale: 1:5

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanising

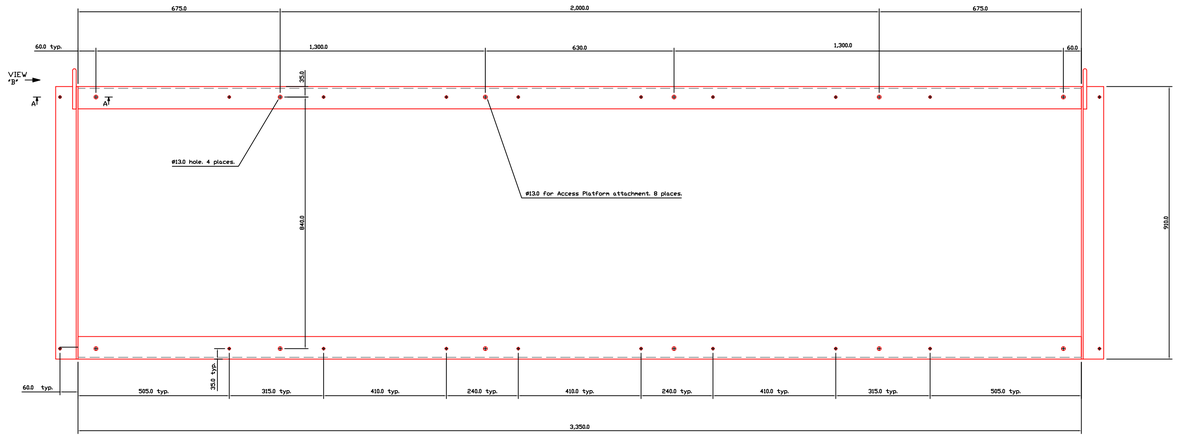
GENERAL TOLERANCE: ± 1.0

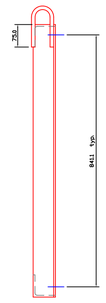
NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

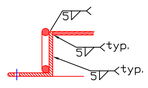
Right Base Frame

SCALE: 1:10	SHEET# 4	PROJ# Ski Jump	SIZE
DATE: 3/10/2008	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	

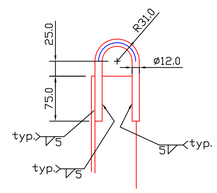




All holes Ø9.0 unless specified.



SECTION A-A
Detail of weld position at each corner.
Scale: 1:5



VIEW B
Detail of attachment loops.
Scale: 1:5

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: 75 x 75 x 6 Equal angle hot rolled steel

FINISH: Hot Dip Galvanising

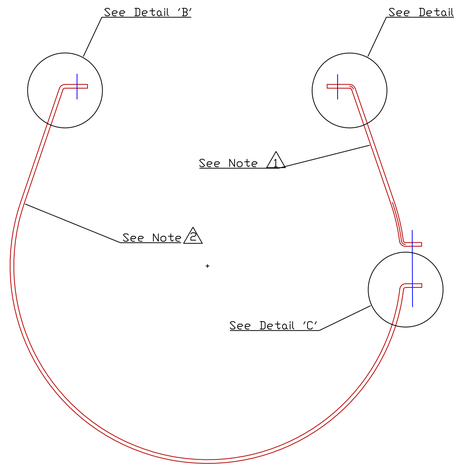
GENERAL TOLERANCE: ±2.0

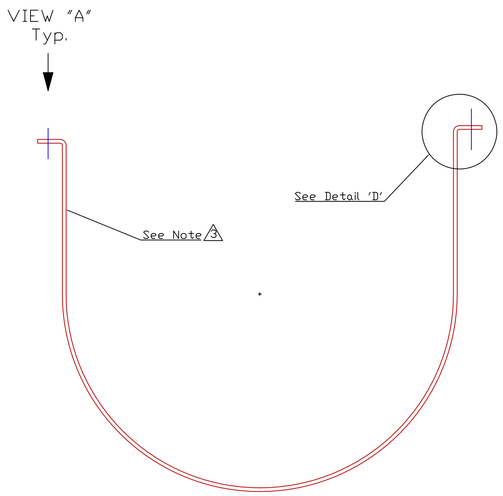
NOTES:

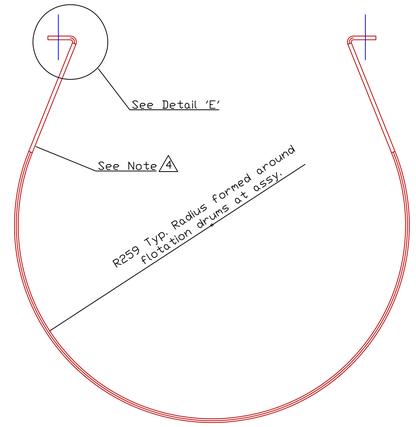
HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Flotation Support

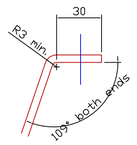
SCALE: 1:10	SHEET# 5	PROJ#	SIZE
DATE: 8/10/2008	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	



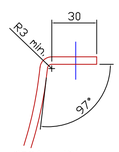




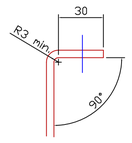
VIEW 'A'
Hole position. All straps both ends.
Scale 1:2



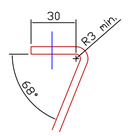
DETAIL 'B'
Scale 1:2



DETAIL 'C'
Scale 1:2



DETAIL 'D'
Scale 1:2



DETAIL 'E'
Scale 1:2

NOTES:

1. Short flotation strap _ Used on flotation drums for Aprons and Rear deck support. Developed length 288mm overall.
2. Intermediate flotation strap _ Used on flotation drums for Aprons and Rear deck support. Developed length 1115mm overall.
3. Long flotation strap _ Used on outside flotation in main flotation supports support. Developed length 1414mm overall.
4. Long flotation strap _ Used on inside flotation in main flotation supports support. Developed length 1414mm overall.

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: 5 x 25 Flat MS Bar

FINISH: Hot Dip Galvanising

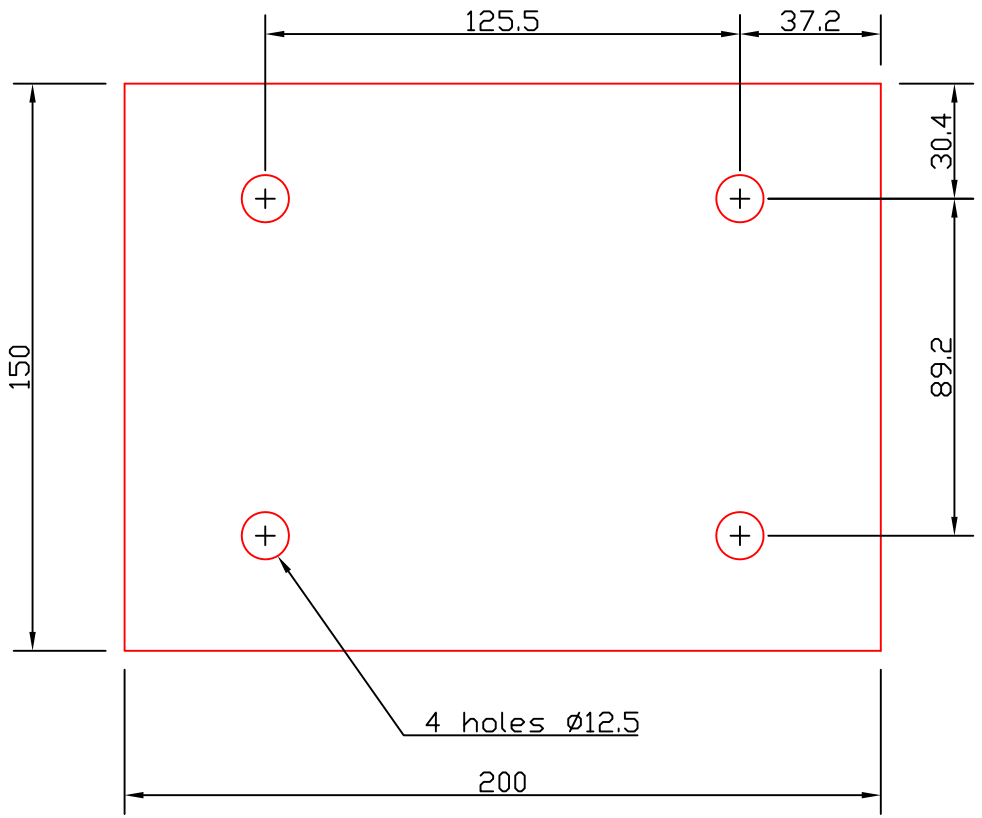
GENERAL TOLERANCE: ± 1.0

NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Flotation Straps

SCALE: 1:4	SHEET# 6	PROJ# Ski Jump	SIZE
DATE: 11/10/2008	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	



ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: 150 x 6 Flat Steel Bar

FINISH: Hot Dip Galvanised

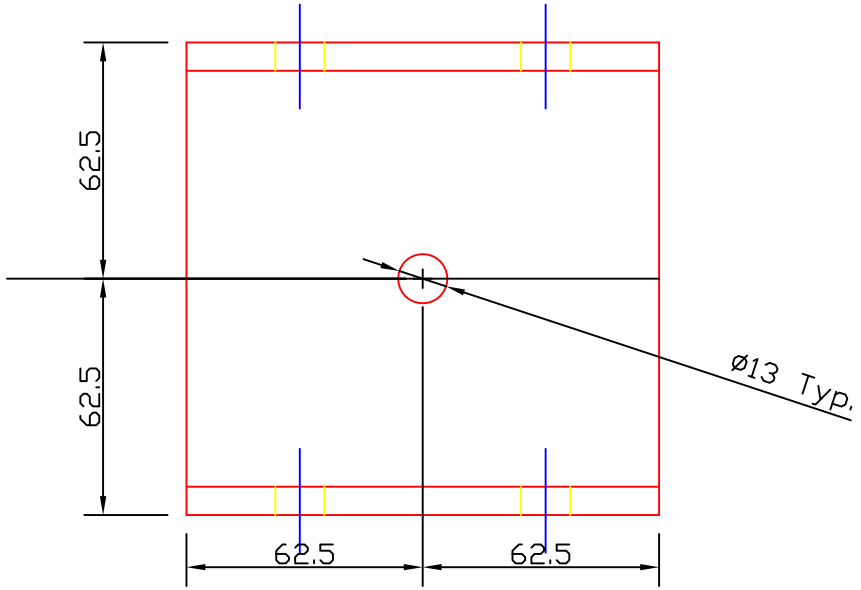
GENERAL TOLERANCE: ± 0.5

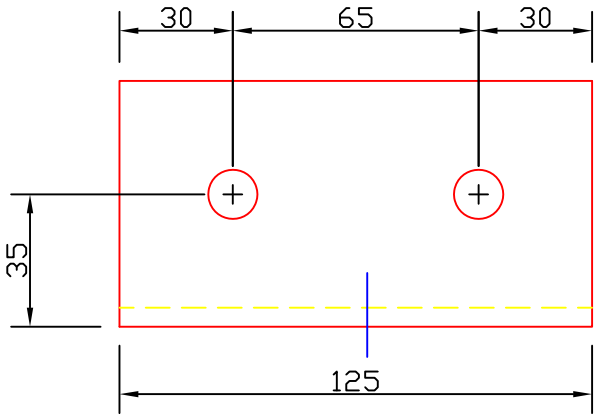
NOTES:

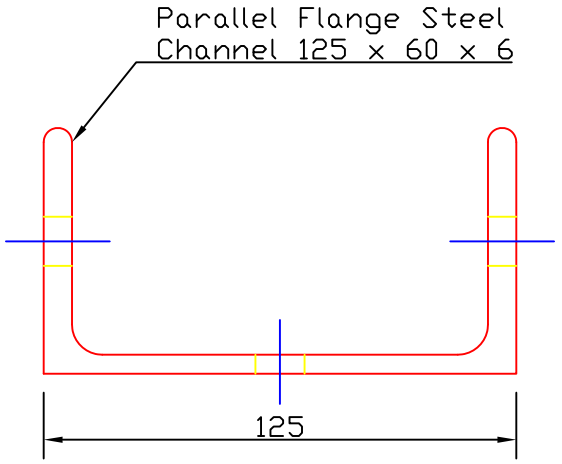
HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Connector Plate

SCALE: 1:2	SHEET# 7	PROJ# Ski Jump	SIZE
DATE: 9/10/08	REVISION:	DATE:	A4
DRN BY RBB SIG		CHKD BY SIG	







ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanised

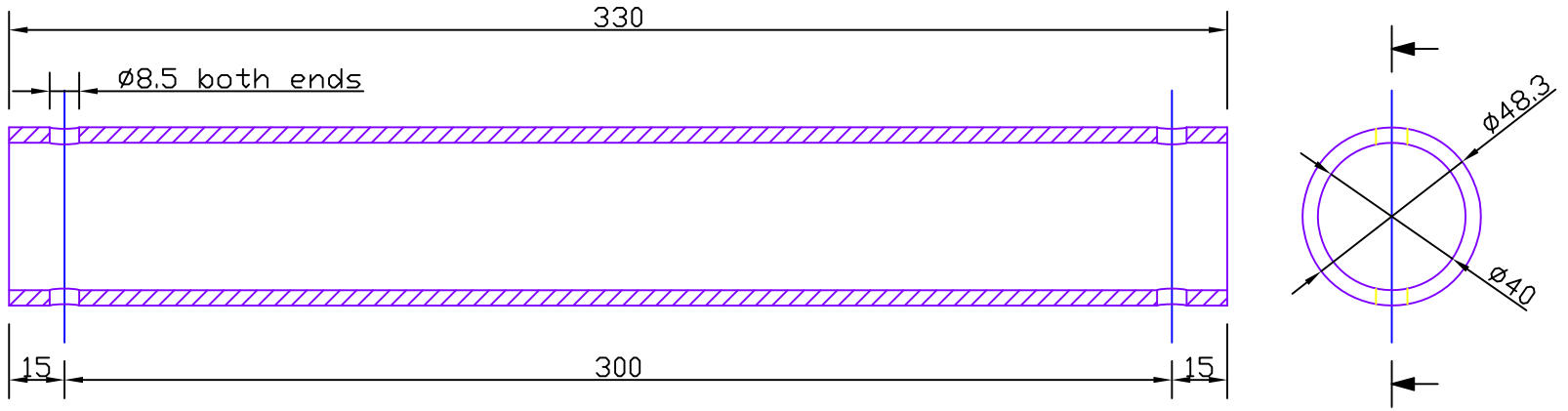
GENERAL TOLERANCE: ± 0.7

NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Front Spacer

SCALE: 1:2	SHEET#8	PROJ# Ski Jump	SIZE
DATE: 16/9/08	REVISION:	DATE:	A4
DRN BY RBB SIG		CHKD BY SIG	



ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: 40 dia. medium steel tube

FINISH: Hot Dip Galvanised

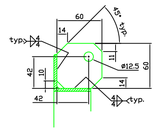
GENERAL TOLERANCE: ± 1.0

NOTES:

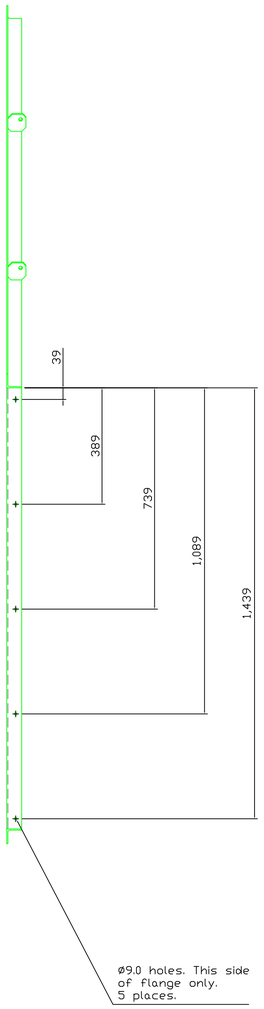
HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

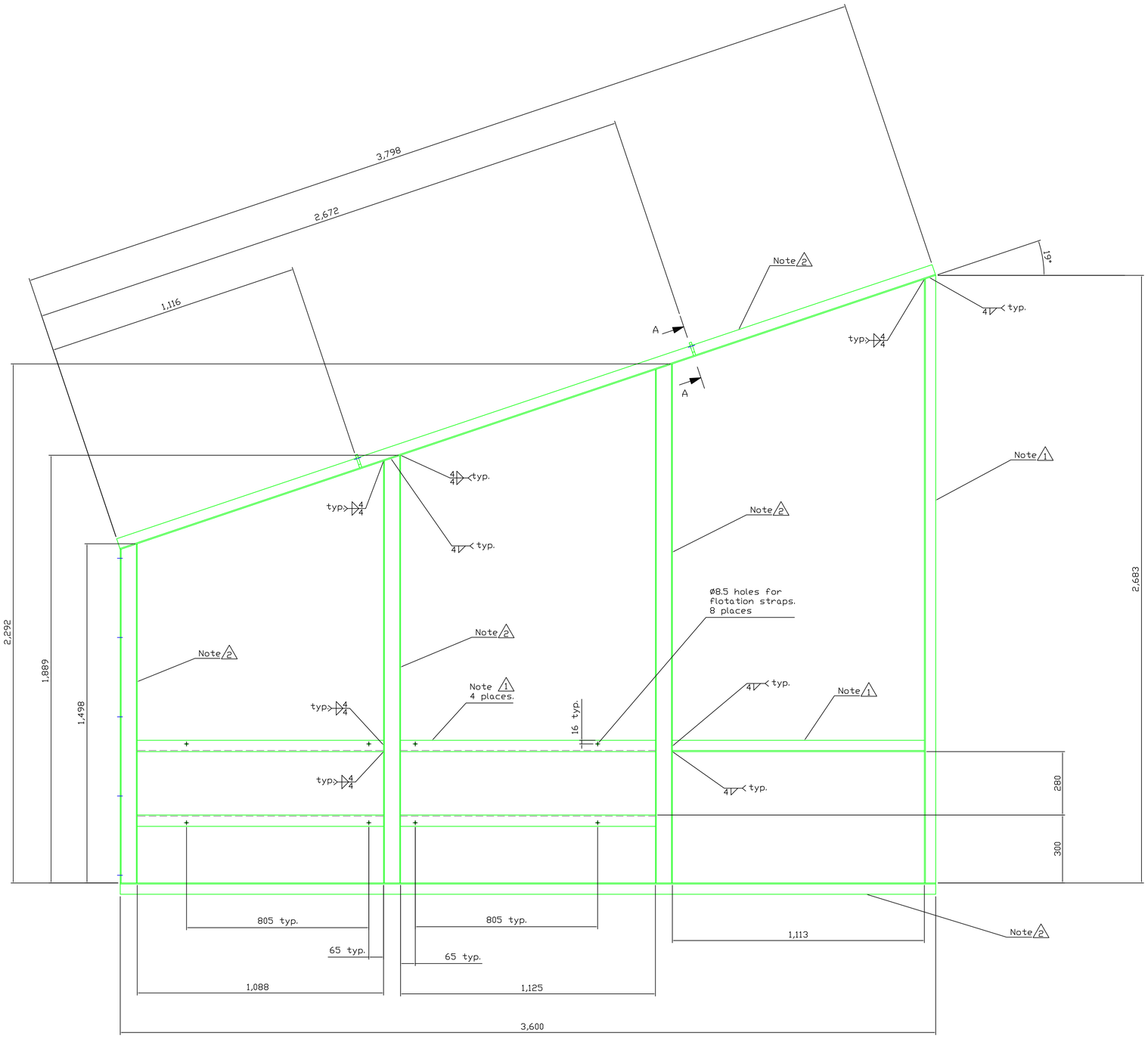
Pivot pin

SCALE: 1:2	SHEET# 9	PROJ# Ski Jump	SIZE
DATE: 9/10/2008	REVISION:	DATE:	A4
DRN BY RBB SIG		CHKD BY SIG	



SECTION A-A
Detail of Apron Hinge Attachment
Scale 1:4
Mat: 10mm MS Flat Bar





NOTES:

1. 50 x 50 x 5 Equal Angle Hot Rolled Steel
2. 75 x 40 Parallel Flange Channel Hot Rolled Steel

ZONE	REV	DESCRIPTION	DATE	CHECKED

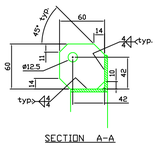
REVISIONS

MATERIAL: Refer Notes
FINISH: Hot Dip Galvanising
GENERAL TOLERANCE: ±0.5
NOTES:

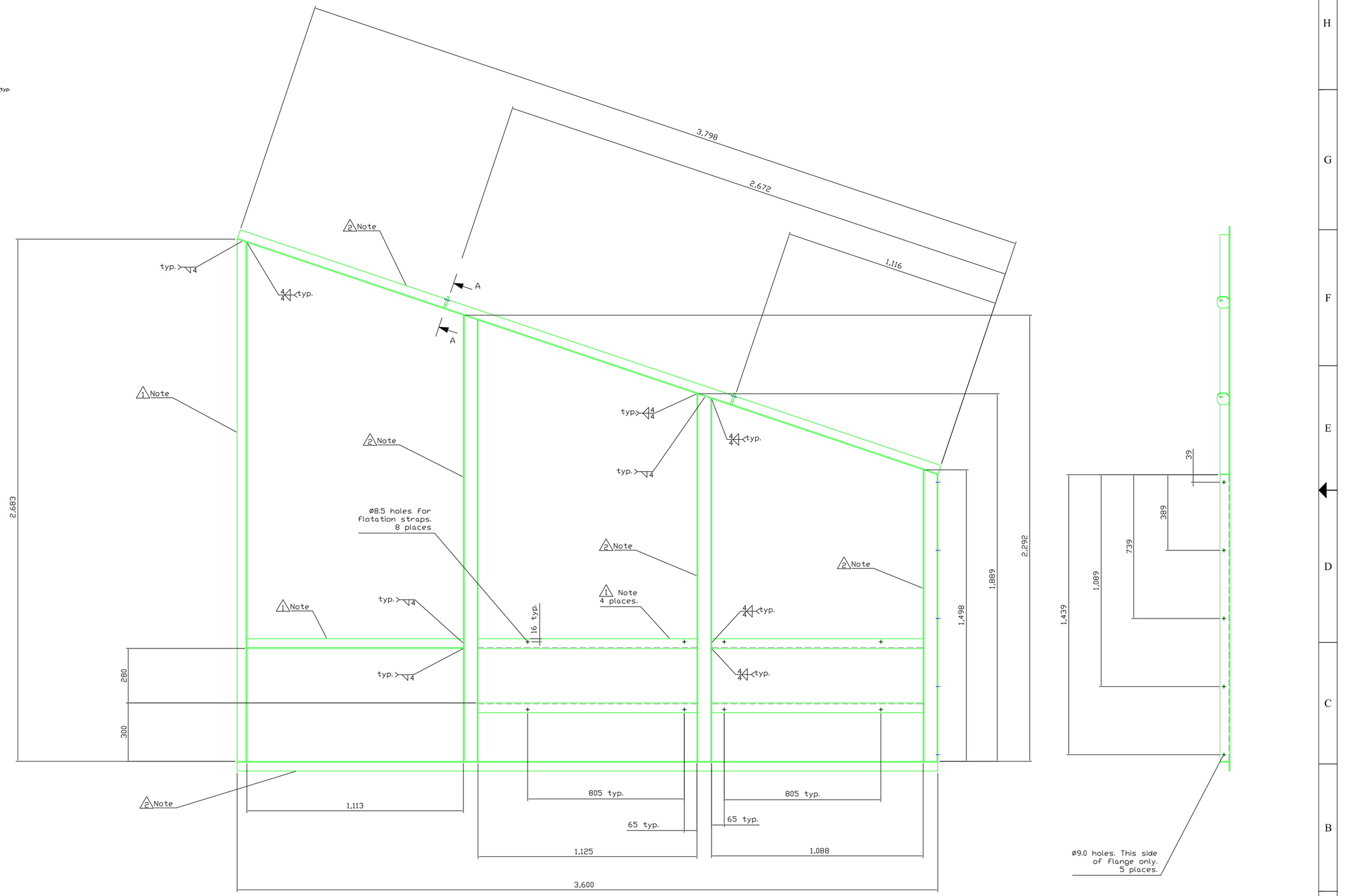
HEIRISSON ISLAND TOURNAMENT WATER SKI CLUB

Left front Apron

SCALE: 1:10	SHEET# 10	PROJ#	SIZE
DATE: 30/9/08	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	



SECTION A-A
Detail of Apron Hinge Attachment
Scale 1:4
Matl: 10mm MS Flat Bar



NOTES:

1. 50 x 50 x 5 Equal Angle Hot Rolled Steel
2. 75 x 40 Parallel Flange Channel Hot Rolled Steel

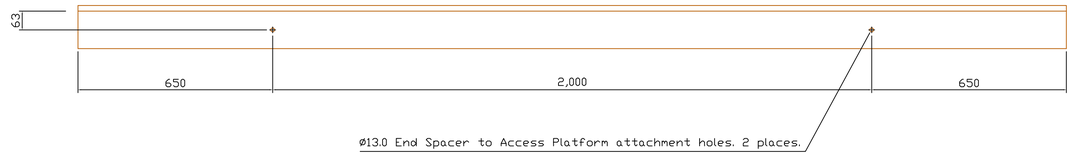
ZONE	REV	DESCRIPTION	DATE	CHECKED
		REVISIONS		

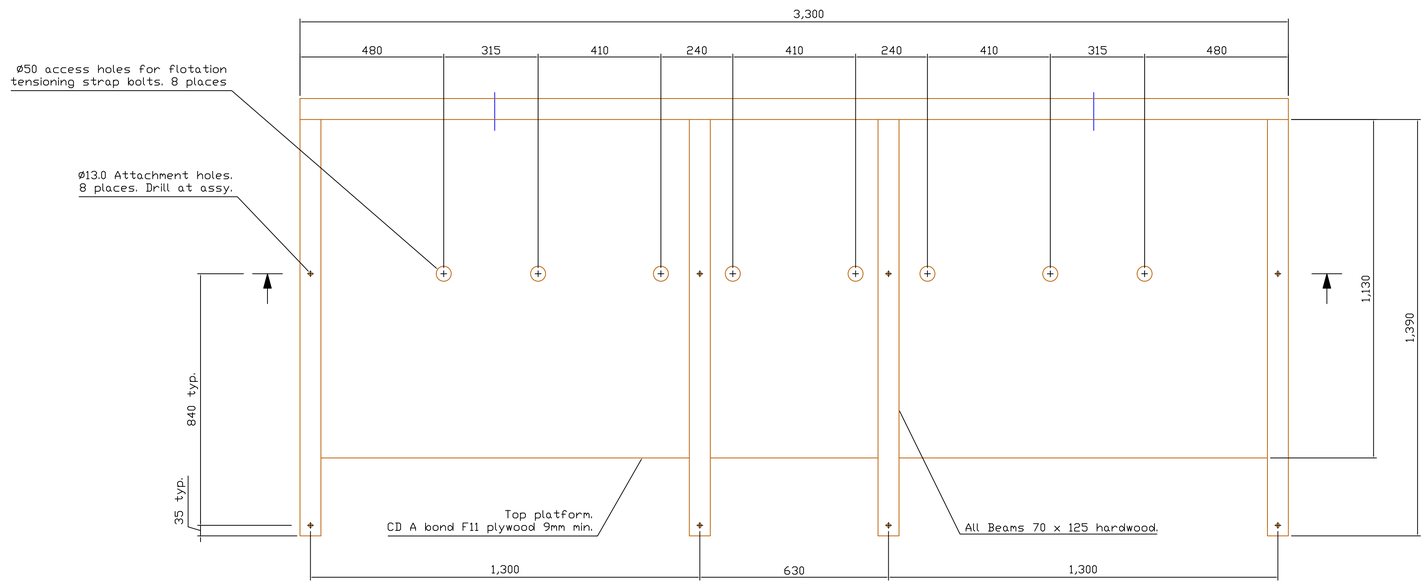
MATERIAL: Refer Notes
FINISH: Hot Dip Galvanising
GENERAL TOLERANCE: ±0.5
NOTES:

HEIRISSON ISLAND TOURNAMENT WATER SKI CLUB

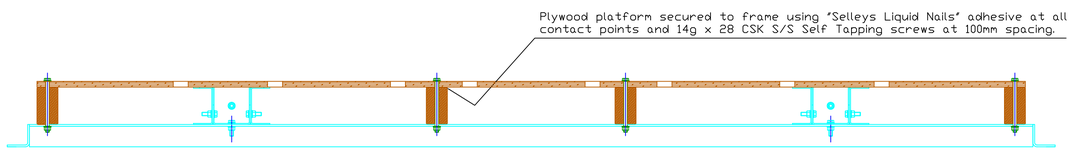
Right front Apron

SCALE: 1:10	SHEET# 11	PROJ#	SIZE
DATE: 30/9/08	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	





Bottom view of access deck structure.



Section through mounting bolts.

Seal all access platform surfaces with primer and 'Jotun Marine Coating (White)'.

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Exterior wood primer and enamel overcoat

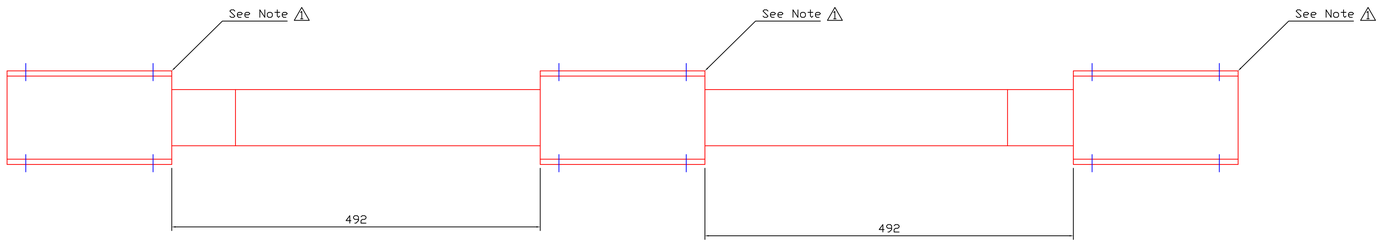
GENERAL TOLERANCE: ±2.0

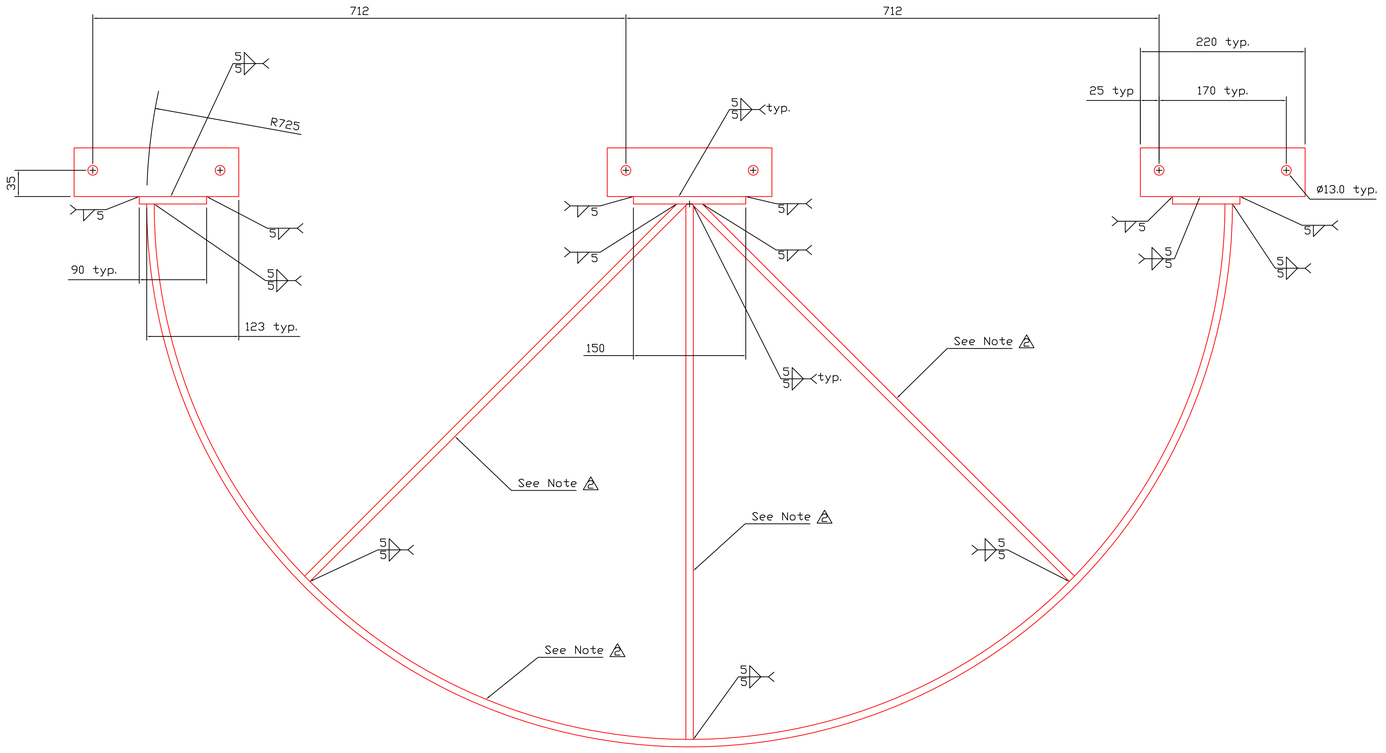
NOTES:

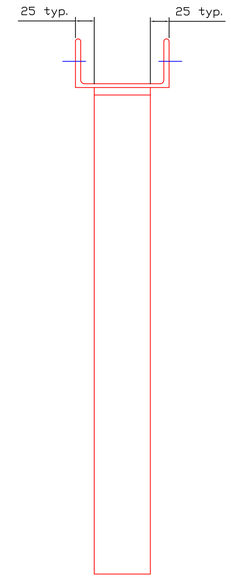
HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Access Platform

SCALE: 1:10	SHEET# S12	PROJ# Ski Jump	SIZE
DATE: 11/10/2008	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	







NOTES:

1. 125 x 65 Parallel Flange hot rolled steel channel.
2. 75 x 10 MS Flat bar.

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanising

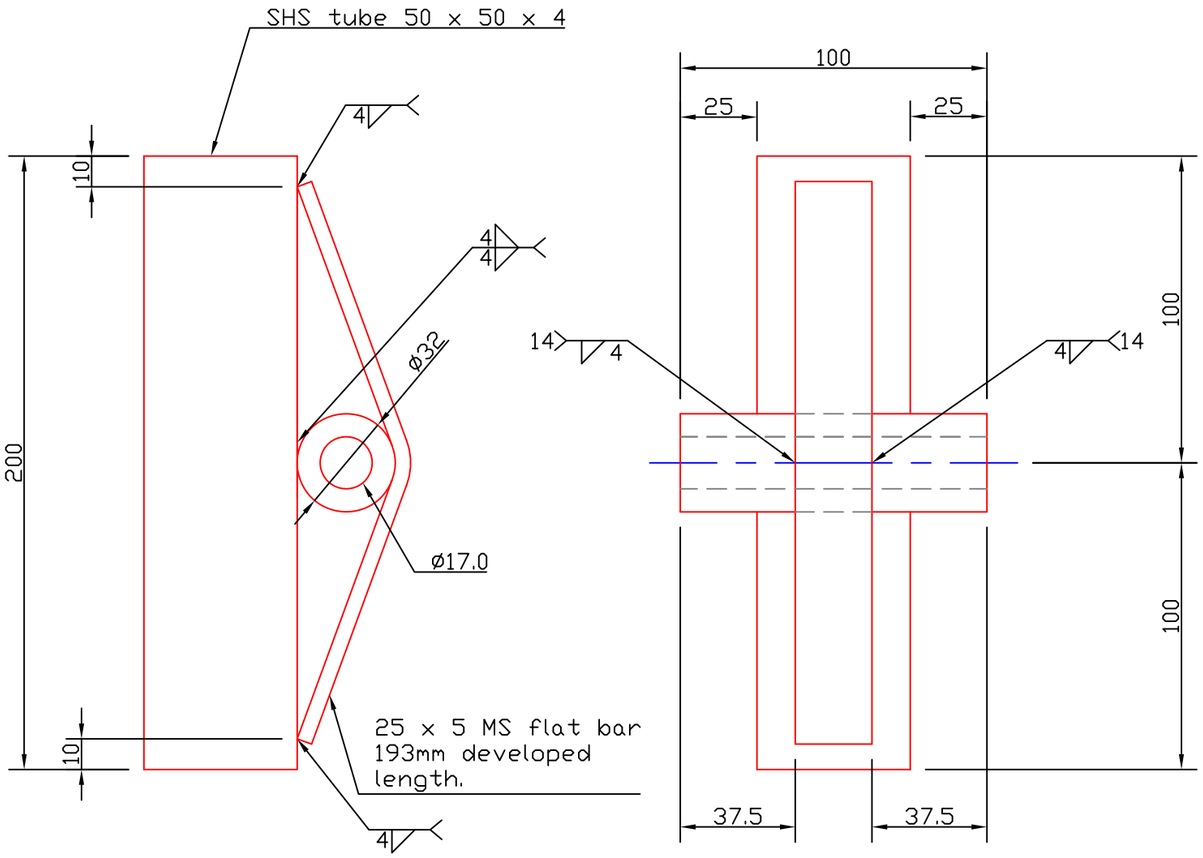
GENERAL TOLERANCE: ± 1.0

NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

S13 Skid Assy

SCALE: 1:4	SHEET# 13	PROJ# Ski Jump	SIZE
DATE: 11/10/2008	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	



NOTES:

Dress interior bore of square tube before galvanising to remove any weld penetration.
Ensure support strut is a loose fit (2mm clearance min.) in socket after galvanising.

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot dip galvanised

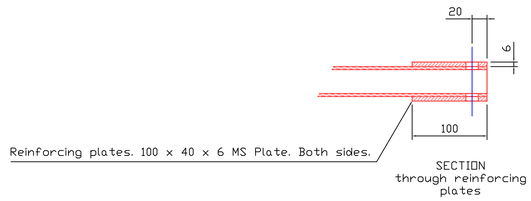
GENERAL TOLERANCE: ± 0.5

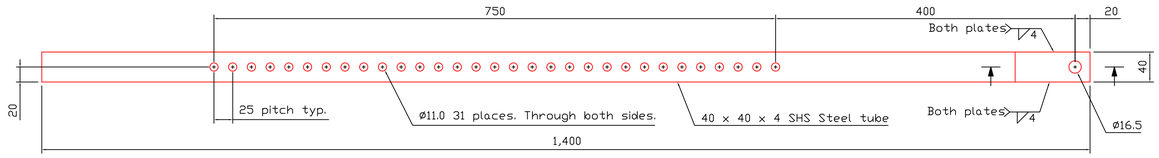
NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Support Strut Socket

SCALE: 1:2	SHEET# 14	PROJ# Ski Jump	SIZE
DATE: 4/10/2008	REVISION:	DATE:	A3
DRN BY RBB SIG		CHKD BY SIG	





ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot dip galvanised

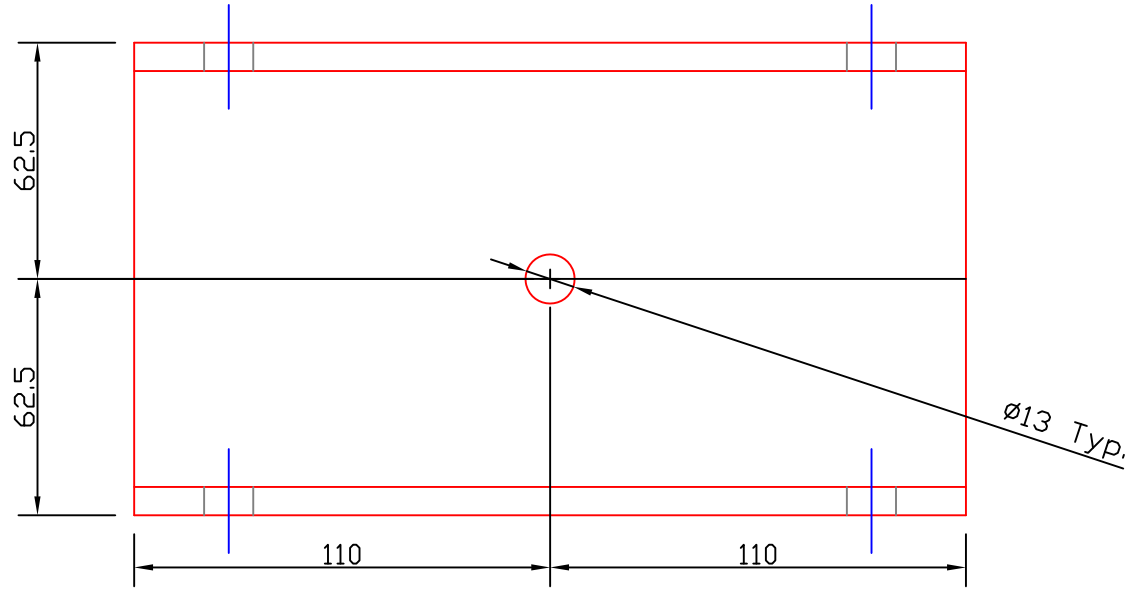
GENERAL TOLERANCE: ± 1.0

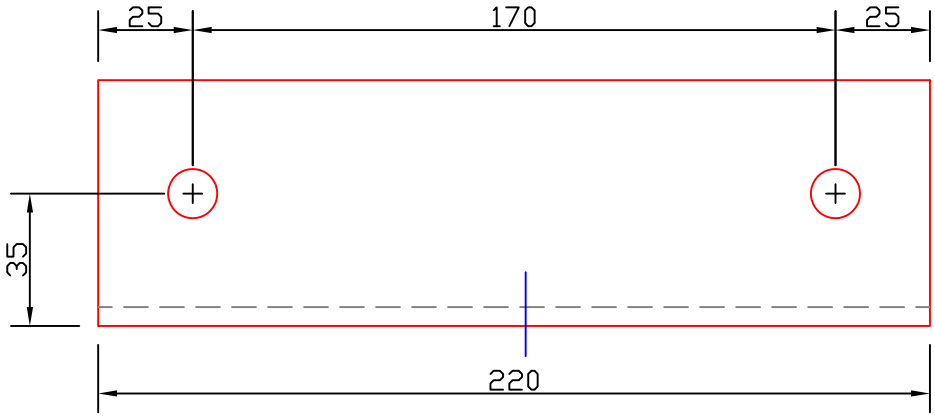
NOTES:

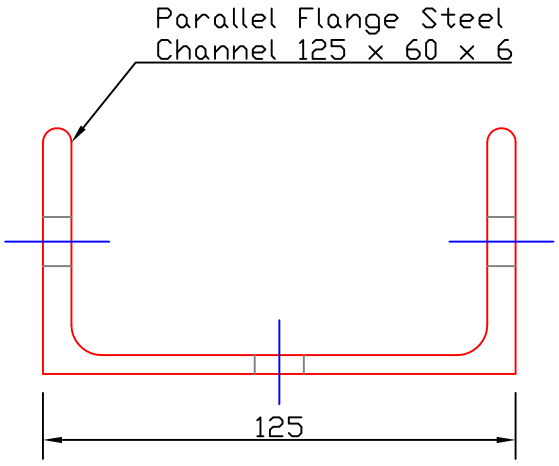
HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Support Strut

SCALE: 1:4	SHEET#	PROJ# Ski Jump	SIZE
DATE: 9/10/2008	REVISION:	DATE:	A2
DRN BY RBB SIG		CHKD BY SIG	







ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanised

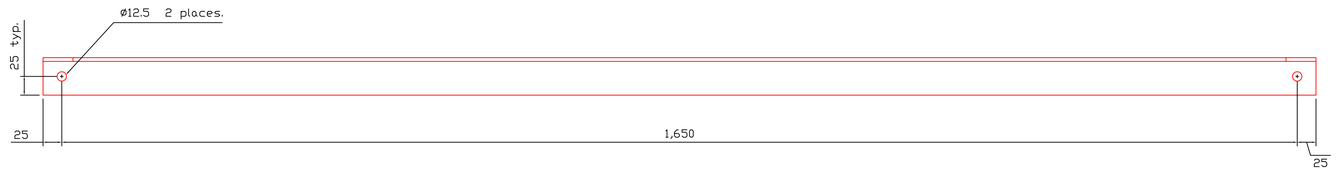
GENERAL TOLERANCE: ± 0.7

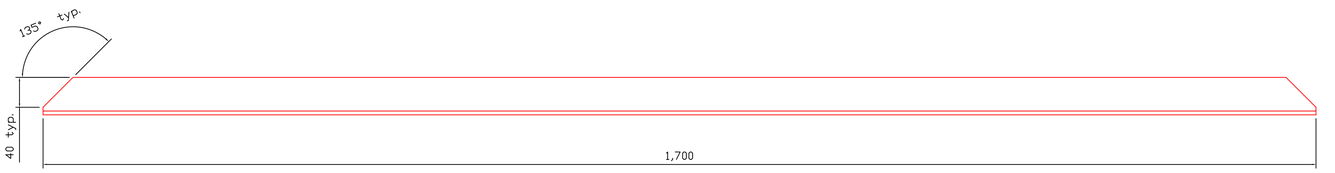
NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Spacer A

SCALE: 1:2	SHEET# 16	PROJ# Ski Jump	SIZE
DATE: 16/9/08	REVISION:	DATE:	A4
DRN BY RBB SIG		CHKD BY SIG	





ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: 50 x 50 x 5 Hot Rolled Steel Equal Angle

FINISH: Hot dip galvanised

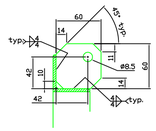
GENERAL TOLERANCE: ± 1.0

NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

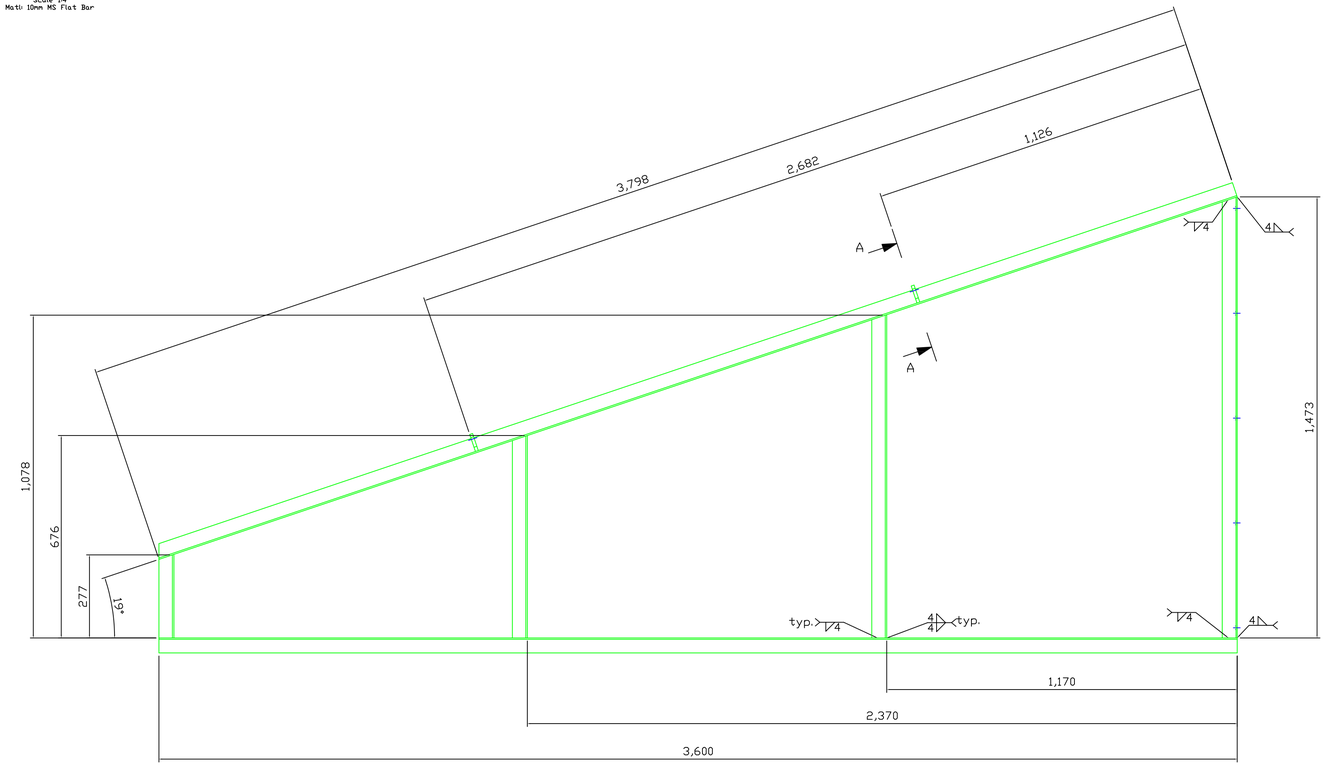
Reinforcing Strut

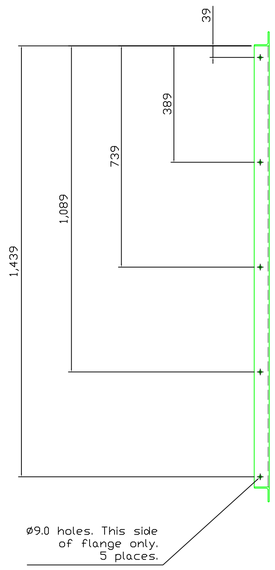
SCALE: 1:4	SHEET#	PROJ# Ski Jump	SIZE
DATE: 12/10/2008	REVISION:	DATE:	A2
DRN BY RBB SIG		CHKD BY SIG	



SECTION A-A

Detail of Apron Hinge Attachment
Scale 1:4
Matl: 10mm MS Flat Bar





ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: 50 x 4 Equal Angle Hot Rolled Steel

FINISH: Hot Dip Galvanising

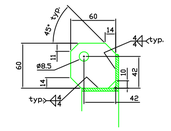
GENERAL TOLERANCE: ±0.5

NOTES:

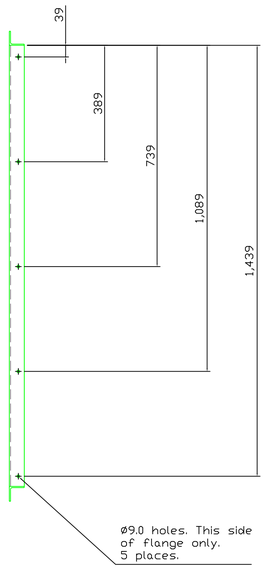
HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

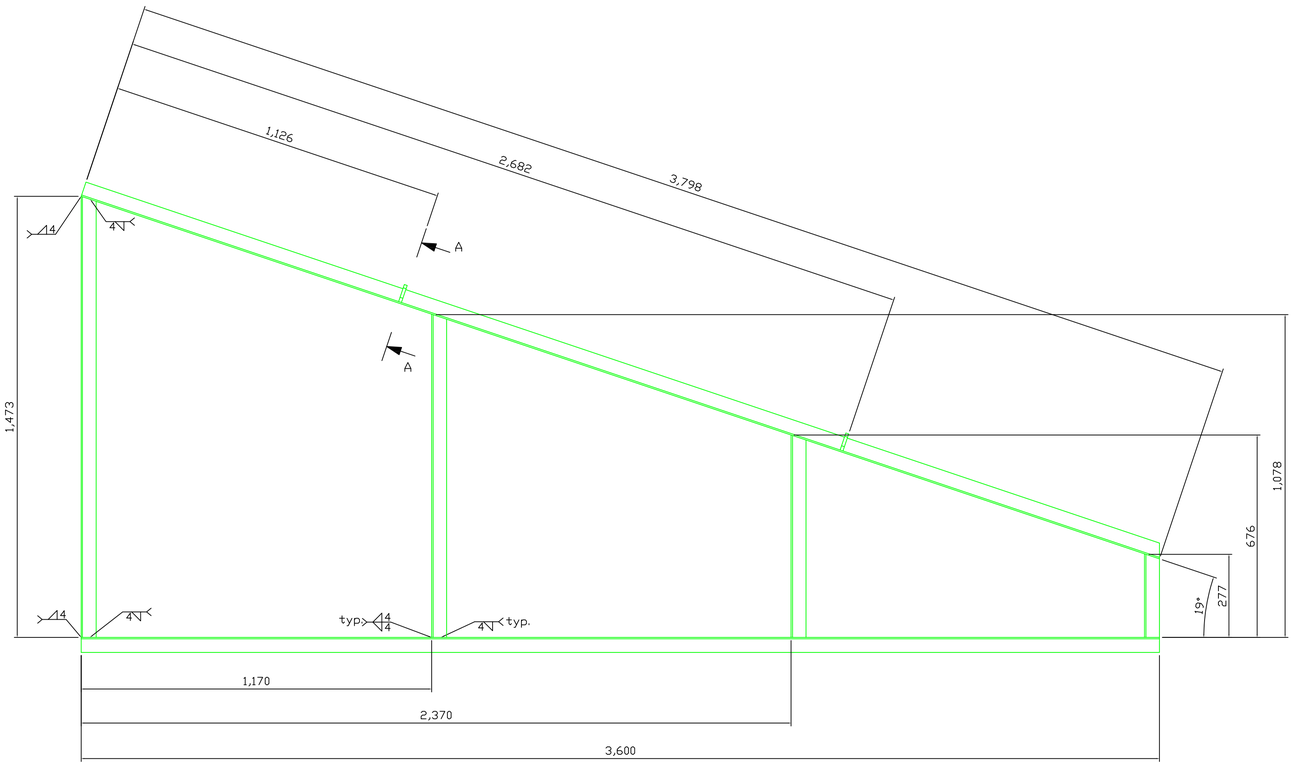
Left Rear Apron frame

SCALE: 1:4	SHEET# 18	PROJ#	SIZE
DATE: 1/10/2008	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	



SECTION A-A
Detail of Apron Hinge Attachment
Scale 1:4
Mat'l: 10mm MS Flat Bar





ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: 50 x 4 Equal Angle Hot Rolled Steel

FINISH: Hot Dip Galvanising

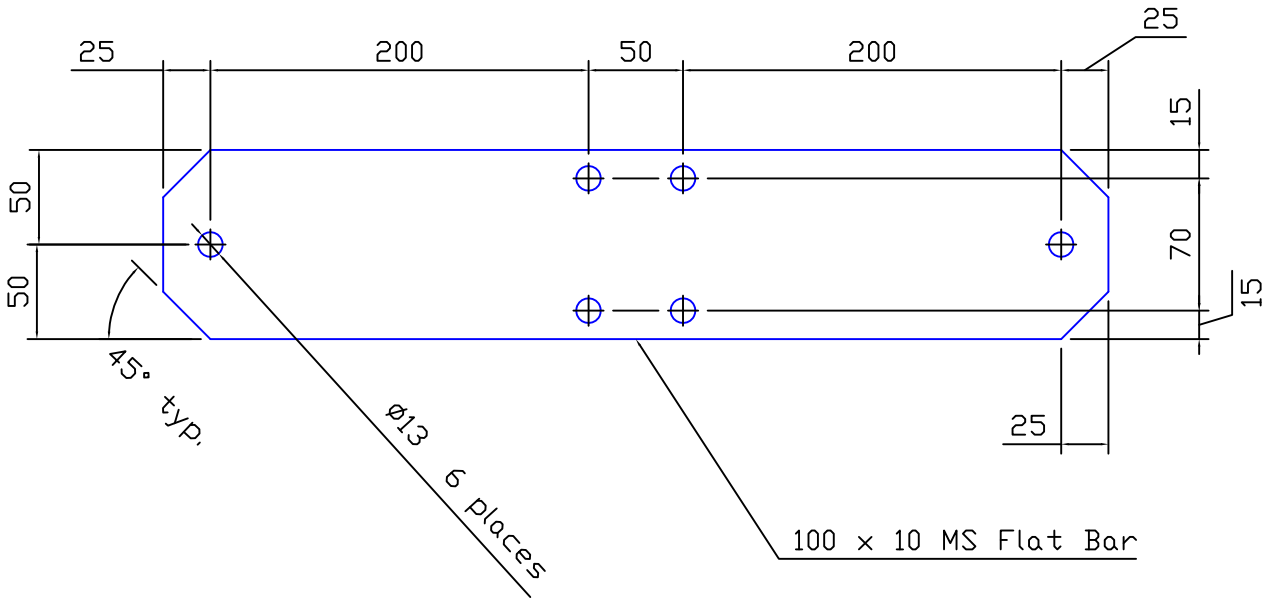
GENERAL TOLERANCE: ± 0.5

NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Right Rear Apron frame

SCALE: 1:4	SHEET# 19	PROJ#	SIZE
DATE: 1/10/2008	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	



ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: 10 x 100 MS Flat Bar

FINISH: Hot Dip Galvanised

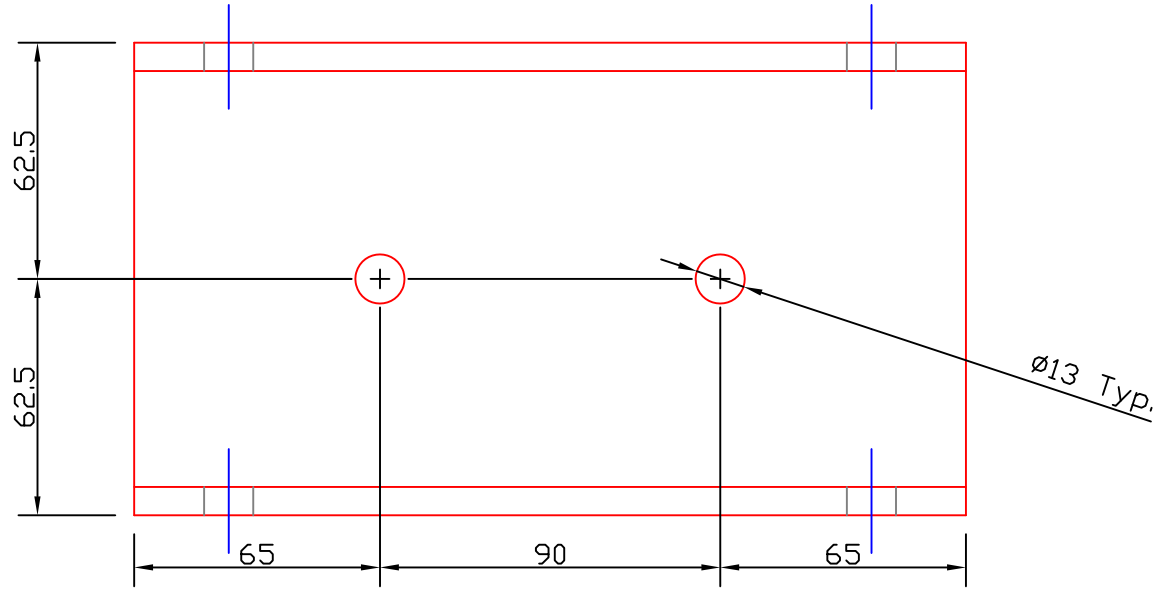
GENERAL TOLERANCE: ± 0.5

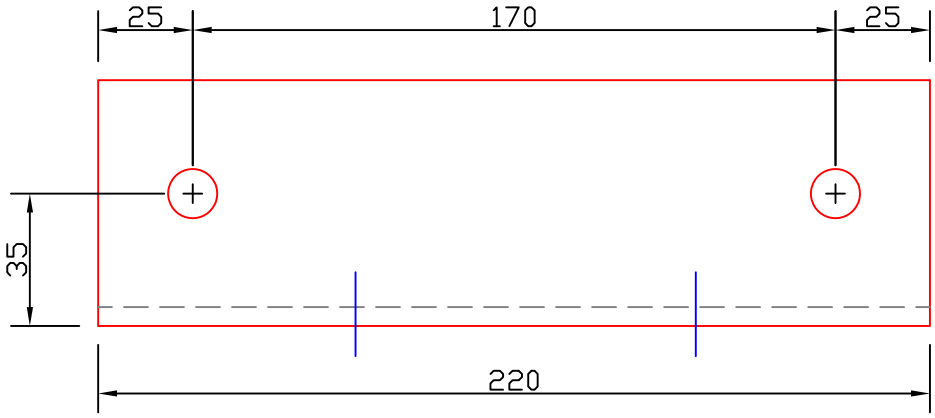
NOTES:

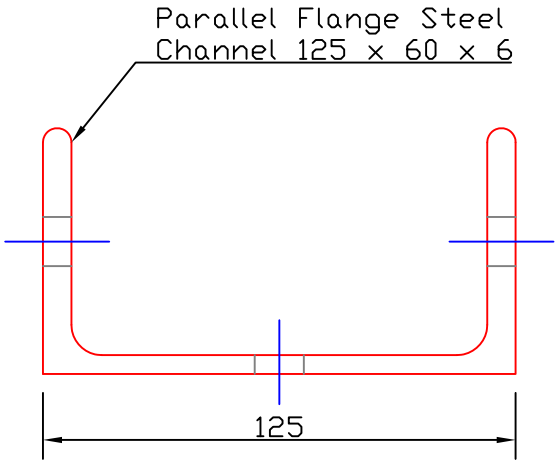
HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Stiffener plate

SCALE: 1:4	SHEET# 20	PROJ# Ski Jump	SIZE
DATE: 16/9/08	REVISION:	DATE:	A4
DRN BY RBB SIG		CHKD BY SIG	







ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanised

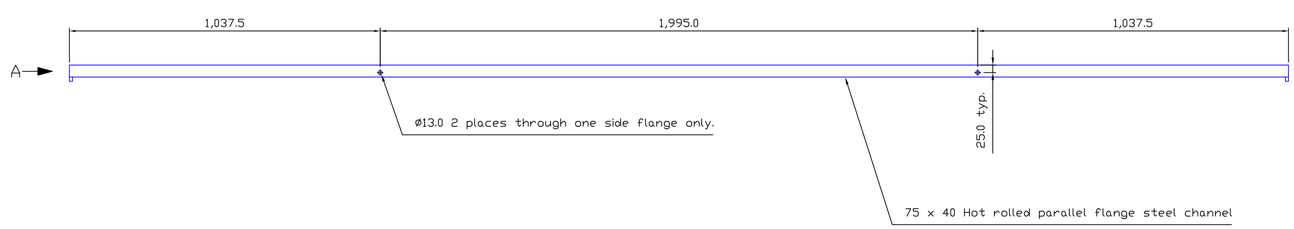
GENERAL TOLERANCE: ± 0.7

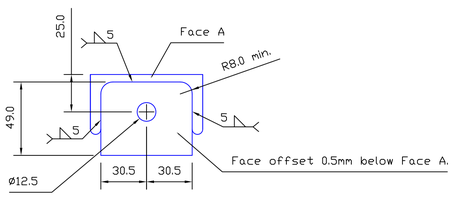
NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Spacer B

SCALE: 1:2	SHEET# 21	PROJ# Ski Jump	SIZE
DATE: 30/9/08	REVISION:	DATE:	A4
DRN BY RBB SIG		CHKD BY SIG	





VIEW A
End Plate Detail
Typical both ends.
Matl: 10mm MS plate
Scale 1:2

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot dip galvanised

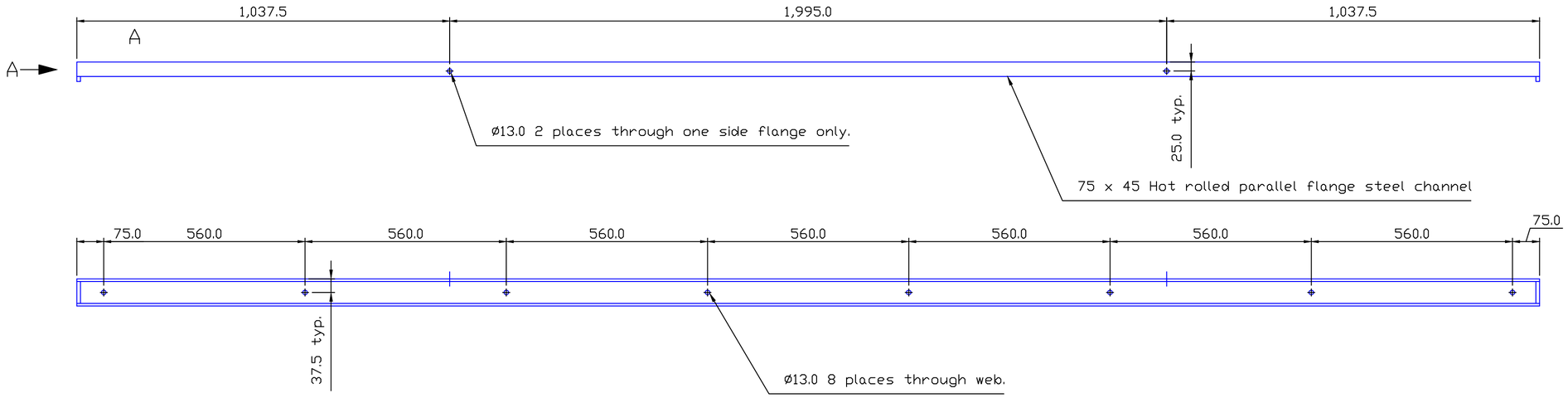
GENERAL TOLERANCE: ± 0.6

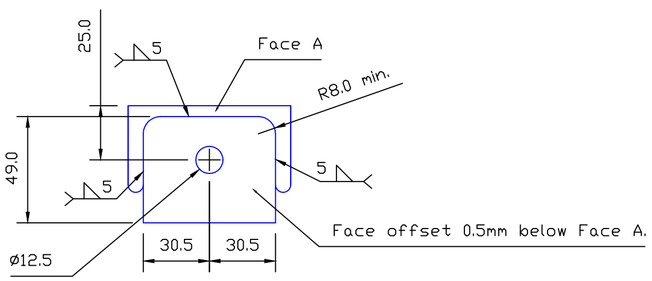
NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Deck Cross Beam

SCALE: 1:10	SHEET# 22	PROJ# Ski Jump	SIZE
DATE: 17/2/2009	REVISION:	DATE:	A2
DRN BY RBB SIG		CHKD BY SIG	





VIEW A
End Plate Detail
Typical both ends.
Matl: 10mm MS plate
Scale 1:2

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot dip galvanised

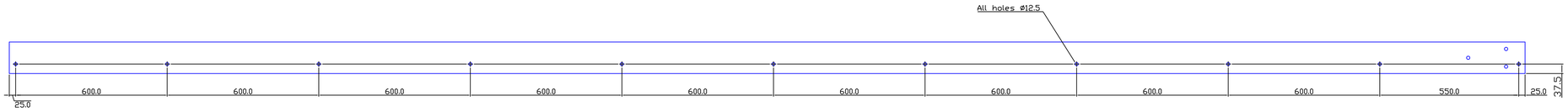
GENERAL TOLERANCE: ±0.6

NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

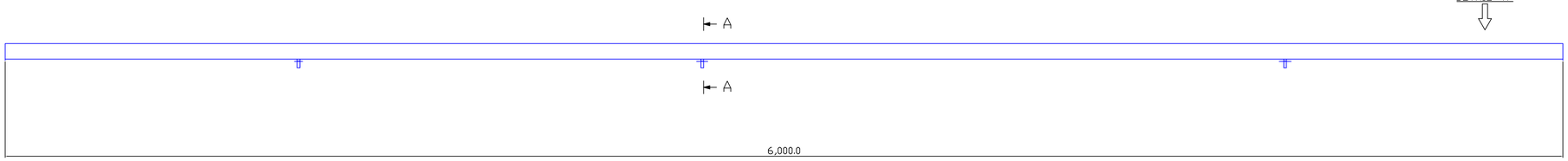
Deck Junction Cross Beam

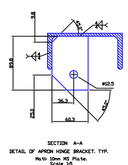
SCALE: 1:10	SHEET# 21	PROJ# Ski Jump	SIZE
DATE: 17/2/2009	REVISION:	DATE:	A2
DRN BY RBB SIG		CHKD BY SIG	



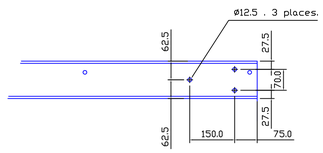
Detail of bolt hole pattern for stiffener plate.

DETAIL 'A'





SECTION A-A
DETAIL OF APRON HINGE BRACKET. TYP.
Made 10mm MS Plate.
Scale 1:5



DETAIL 'B'
Detail of bolt hole pattern for stiffener plate.

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanising

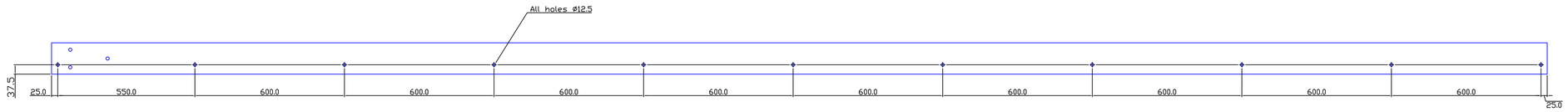
GENERAL TOLERANCE: ±2.0

NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

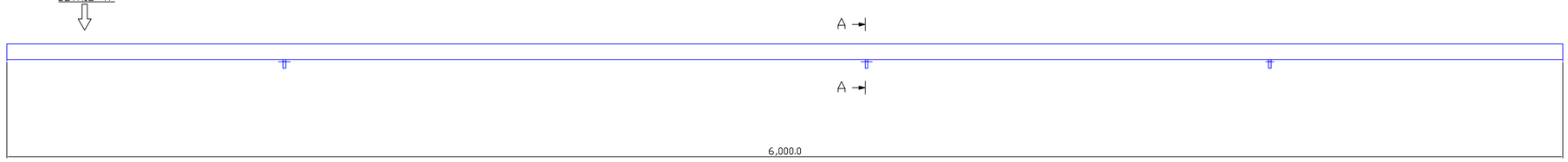
Main Deck Left Side Beam

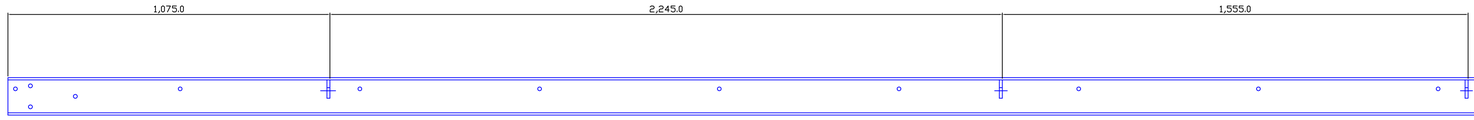
SCALE: 1:10 unless specified	Sheet# 24	PROJ# Ski Jump
DATE: 26/2/2009	REVISION:	DATE:
DRN BY RBB SIG	CHKD BY SIG	SIZE A1

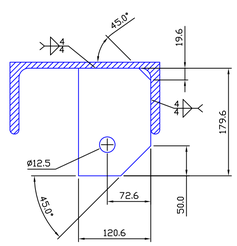


Detail of bolt hole pattern
for stiffener plate.

DETAIL 'A'



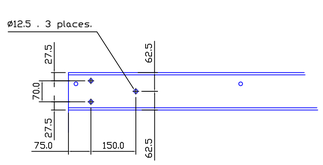




SECTION A-A

DETAIL OF APRON HINGE BRACKET. TYP.

Mat'l 10mm MS Plate.
Scale 1:5



DETAIL 'B'

Detail of bolt hole pattern for stiffener plate.

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanising

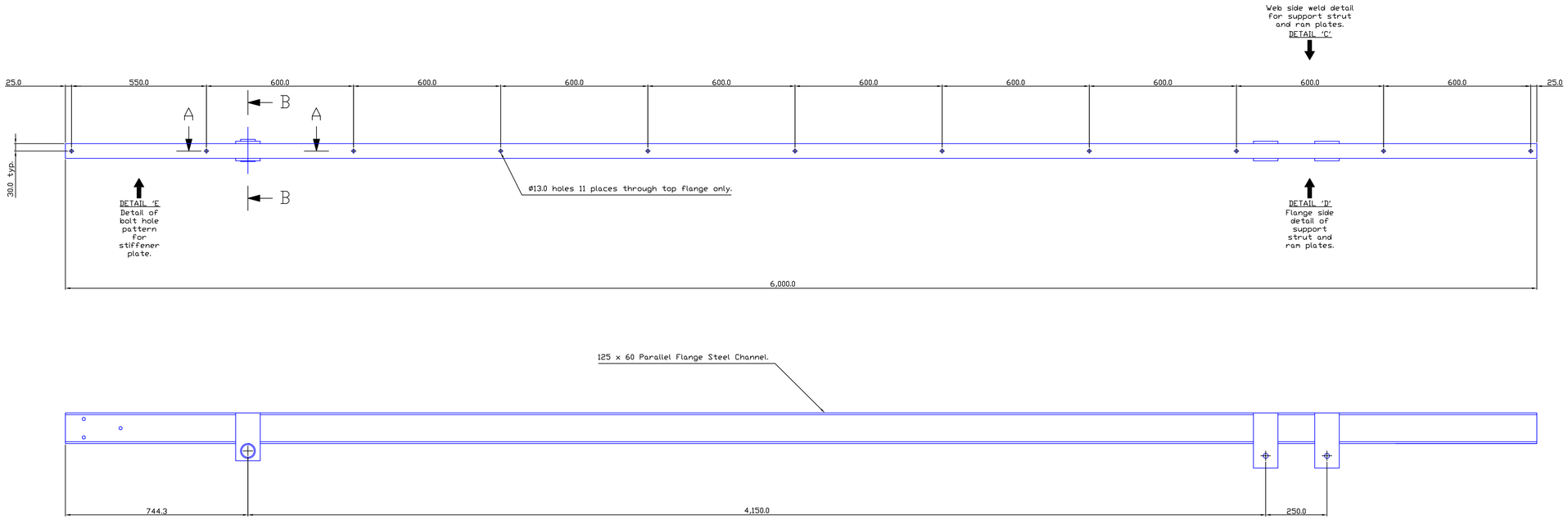
GENERAL TOLERANCE: ± 2.0

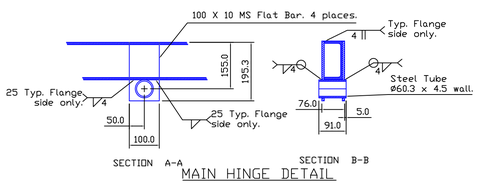
NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

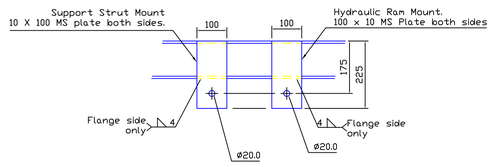
Main Deck Right Side Beam

SCALE: 1:10 unless specified	Sheet# 25	PROJ# Ski Jump	SIZE
DATE: 25/2/2009	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	

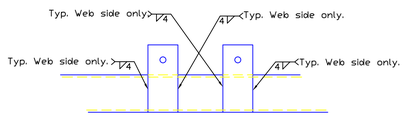




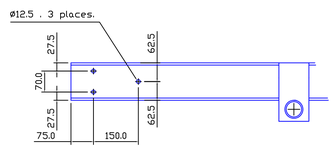
MAIN HINGE DETAIL



DETAIL 'D'
Flange side detail of support strut and ram plates.



DETAIL 'C'
Web side weld detail for
support strut and ram
plates.



DETAIL 'E'
Detail of bolt hole pattern for
stiffener plate.

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanising

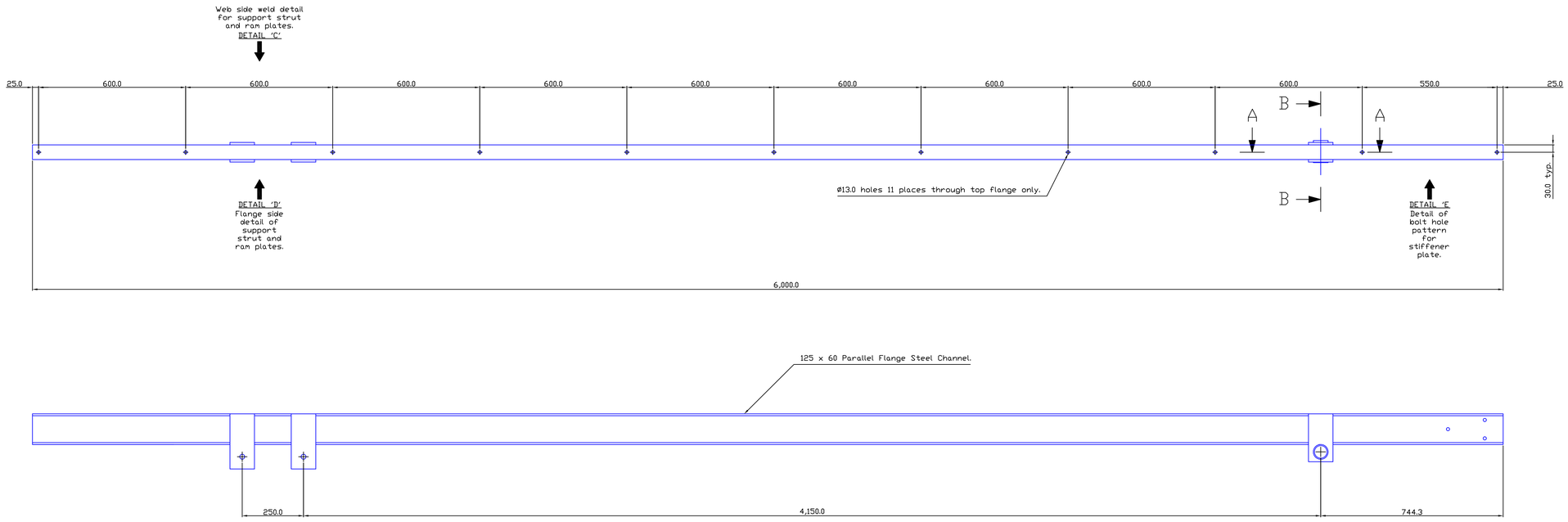
GENERAL TOLERANCE: ± 2.0

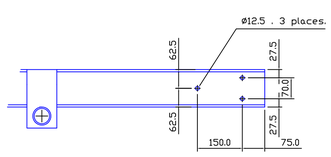
NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

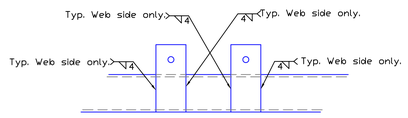
Deck Main Left Beam

SCALE: 1:10	SHEET# 26	PROJ# Ski Jump	SIZE
DATE: 31/2/2009	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	

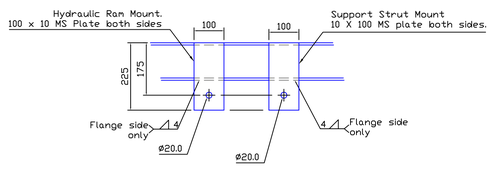




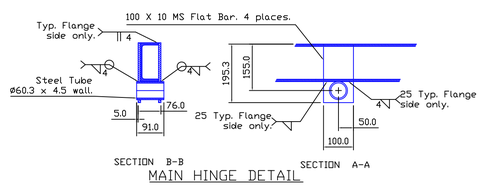
DETAIL 'E'
Detail of bolt hole pattern for stiffener plate.



DETAIL 'C'
Web side weld detail for support strut and ram plates.



DETAIL 'D'
Flange side detail of support strut and ram plates.



MAIN HINGE DETAIL

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanising

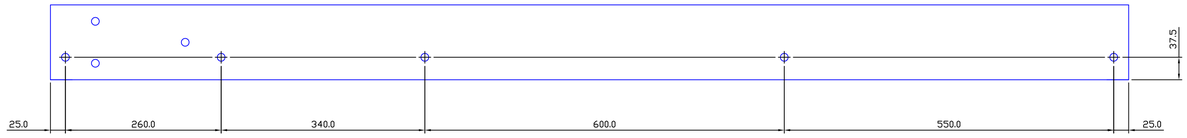
GENERAL TOLERANCE: ± 2.0

NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

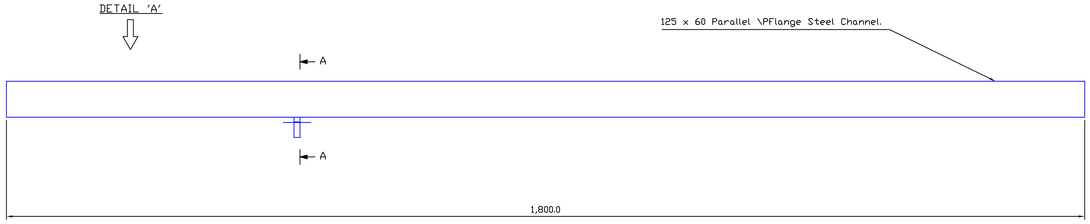
Deck Main Right Beam

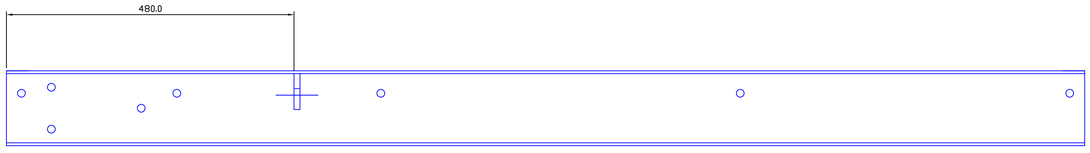
SCALE: 1:10	SHEET# 27	PROJ# Ski Jump	SIZE
DATE: 4/3/2009	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	

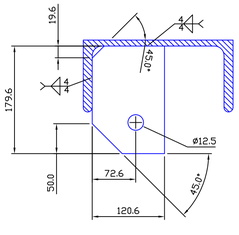


Detail of bolt hole pattern for stiffener plate.

DETAIL 'A'





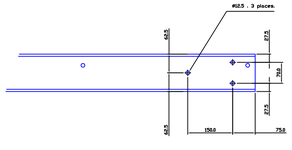


SECTION A-A

DETAIL OF APRON HINGE BRACKET. TYP.

Matl: 10mm MS Plate.

Scale 1:5



DETAIL 'B'

Detail of bolt hole pattern for stiffener plate.

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanising

GENERAL TOLERANCE: ± 1.0

NOTES:

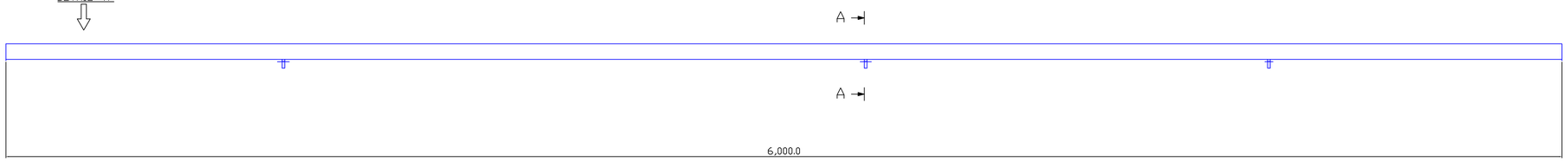
HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

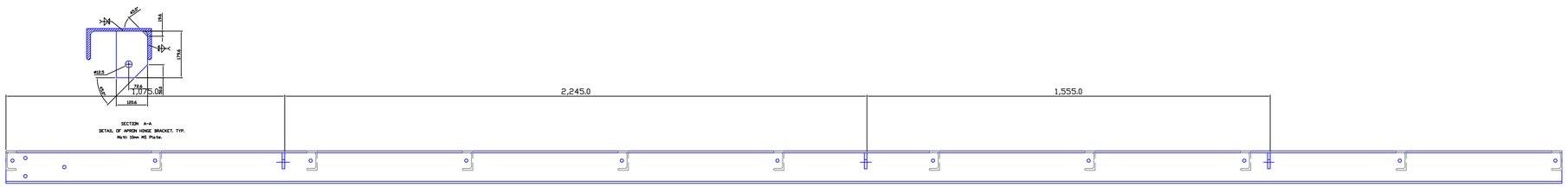
Rear Deck Left Side Beam

SCALE: 1:5	SHEET# 28	PROJ# Ski Jump	SIZE
DATE: 1/5/2009	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	

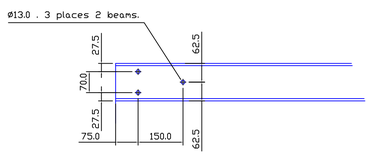
Detail of bolt hole pattern
for stiffener plate.

DETAIL 'A'





SECTION A-A
DETAIL OF APRON HINGE BRACKET. TYP.
Made 10mm MS Plate.



DETAIL 'B'
Detail of bolt hole pattern for stiffener plate.

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanising

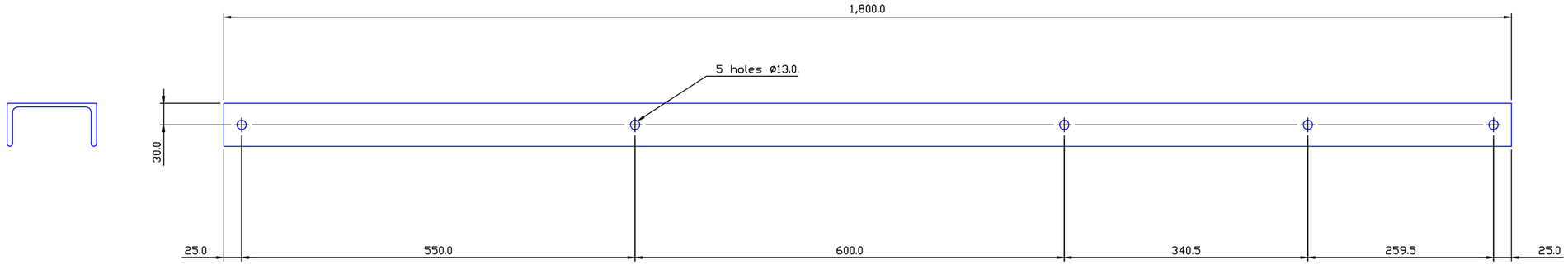
GENERAL TOLERANCE: ± 2.0

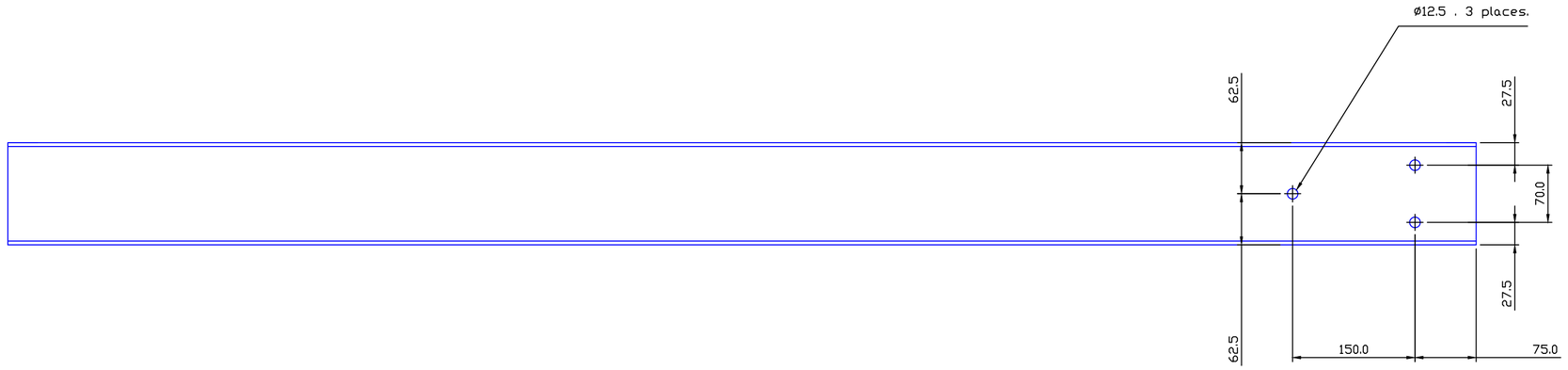
NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Main Deck Support

SCALE: 1:25 unless specified	Sheet# 1	PROJ# Ski Jump	SIZE
DATE: 14/9/2008	REVISION:	DATE:	A1
DRN BY RBB SIG		CHKD BY SIG	





ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: 125 x 60 Parallel Flange Steel Channel.

FINISH: Hot Dip Galvanising

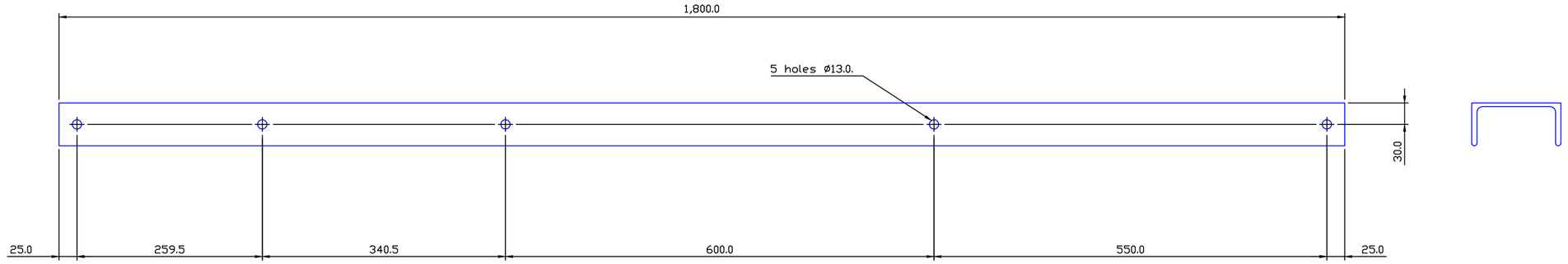
GENERAL TOLERANCE: ± 1.0

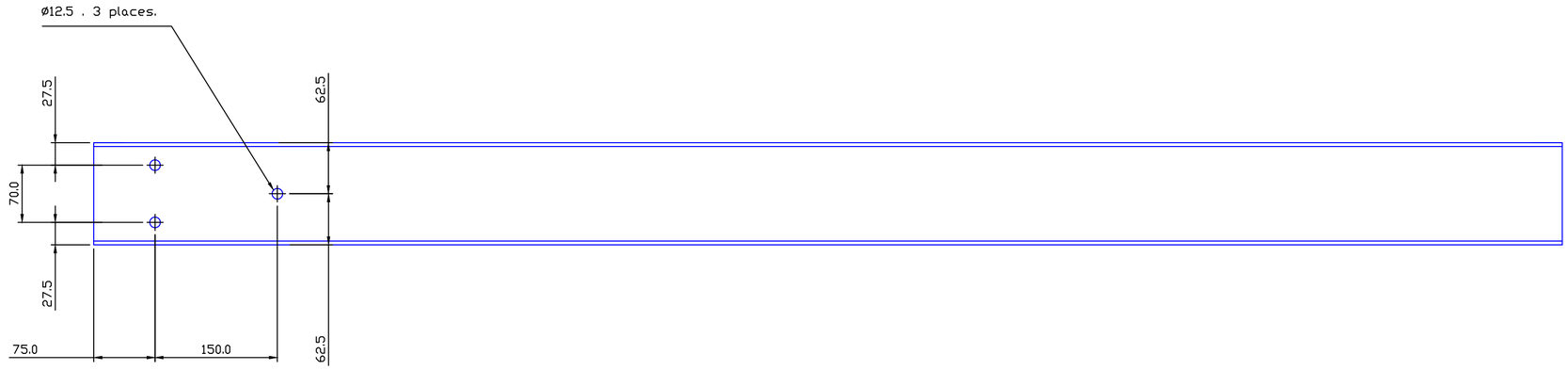
NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Rear Deck Left Beam

SCALE: 1:5	SHEET# 30	PROJ# Ski Jump	SIZE
DATE: 1/5/2009	REVISION:	DATE:	A2
DRN BY RBB SIG		CHKD BY SIG	





ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: 125 x 60 Parallel Flange Steel Channel.

FINISH: Hot Dip Galvanising

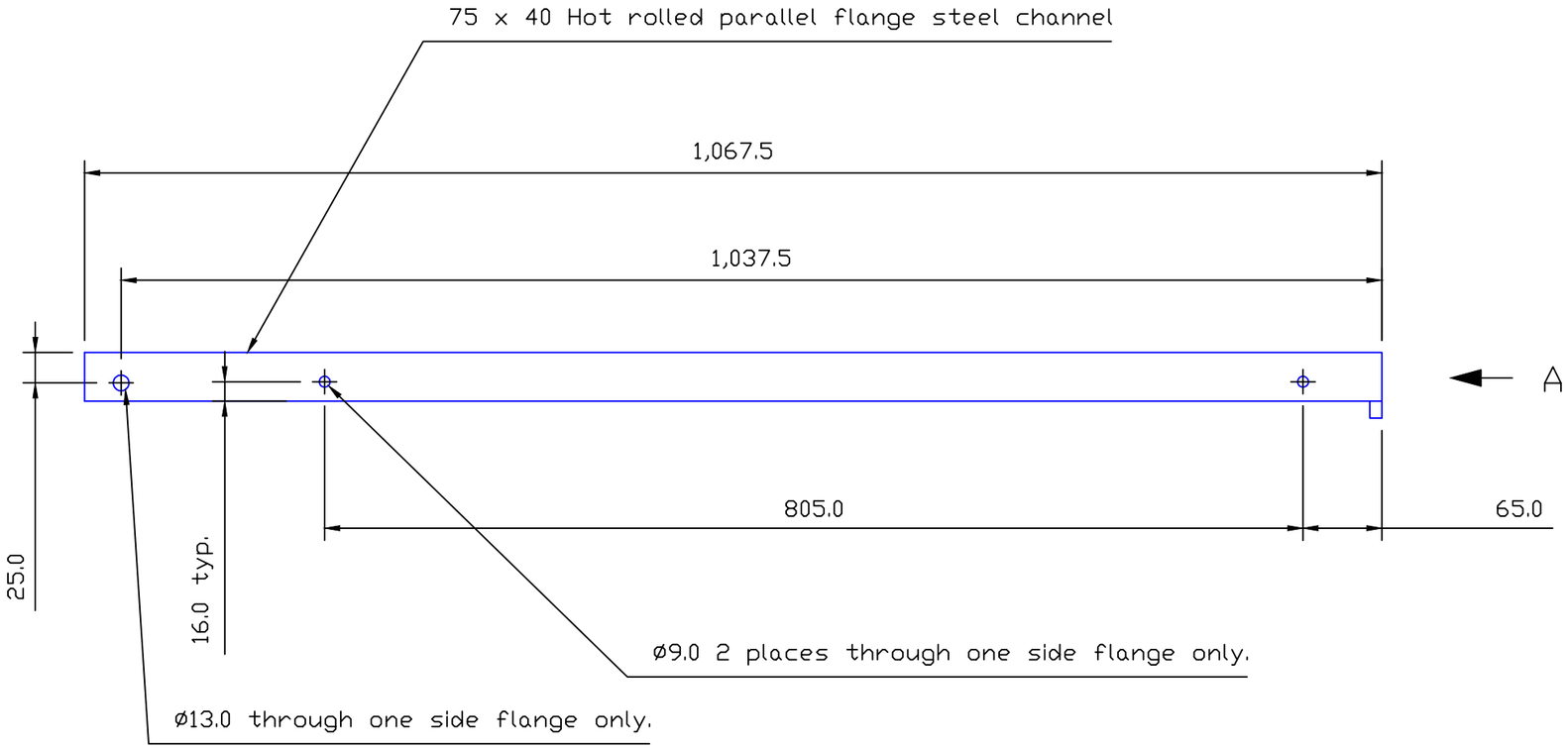
GENERAL TOLERANCE: ± 1.0

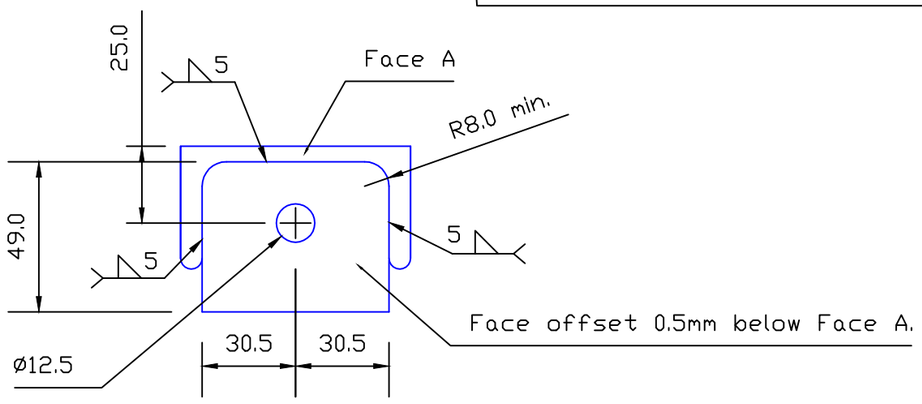
NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Rear Deck Right Beam

SCALE: 1:5	SHEET# 31	PROJ# Ski Jump	SIZE
DATE: 1/5/2009	REVISION:	DATE:	A2
DRN BY RBB SIG		CHKD BY SIG	





VIEW A
End Plate Detail
Typical both ends.
Matl: 10mm MS plate
Scale 1:2

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot dip Galvanised

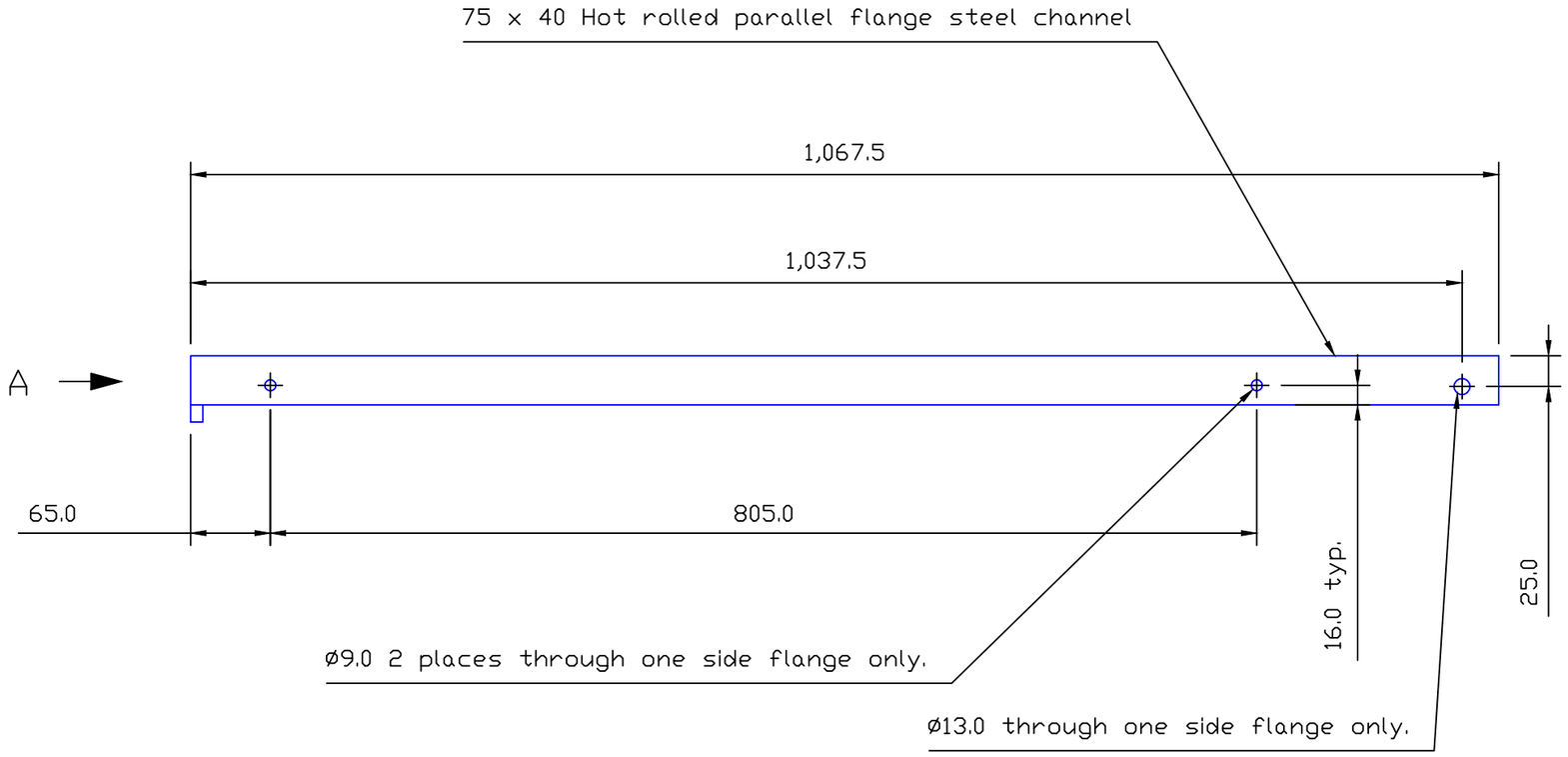
GENERAL TOLERANCE: ± 0.6

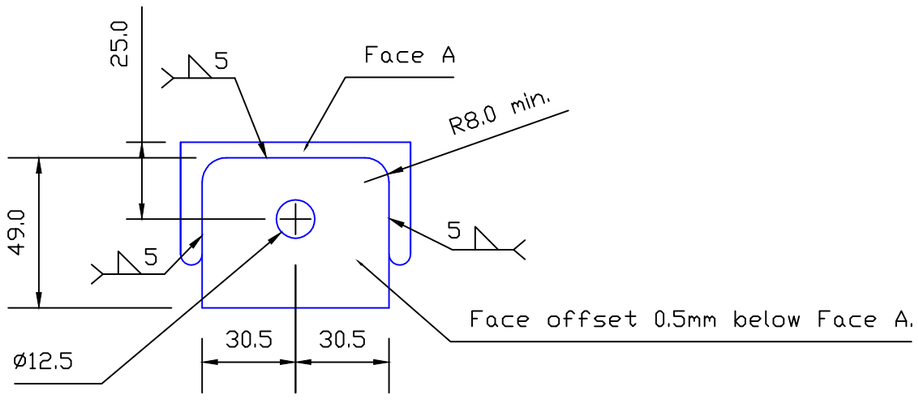
NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Left Flot. Support Beam

SCALE: 1:5	SHEET#32	PROJ# Ski Jump	SIZE
DATE: 18	REVISION:	DATE:	A3
DRN BY RBB SIG		CHKD BY SIG	





VIEW A
End Plate Detail
Typical both ends.
Matl: 10mm MS plate
Scale 1:2

ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot dip Galvanised

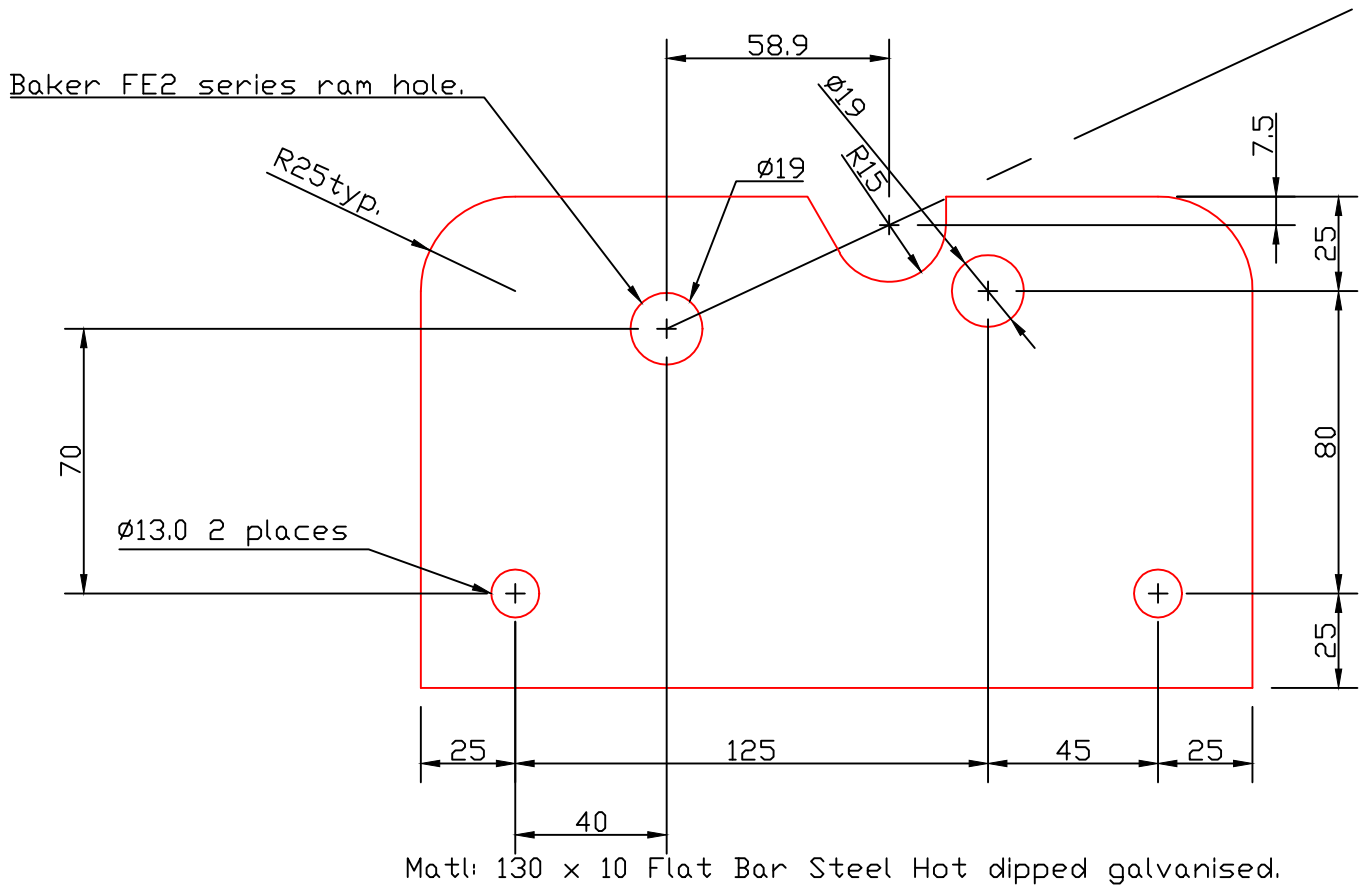
GENERAL TOLERANCE: ± 0.6

NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Right Flot. Support Beam

SCALE: 1:5	SHEET#33	PROJ# Ski Jump	SIZE
DATE: 18	REVISION:	DATE:	A3
DRN BY RBB SIG		CHKD BY SIG	



ZONE	REV	DESCRIPTION	DATE	CHECKED

REVISIONS

MATERIAL: As specified

FINISH: Hot Dip Galvanised

GENERAL TOLERANCE: ± 0.7

NOTES:

HEIRISSON ISLAND
TOURNAMENT WATER SKI CLUB

Ram Bracket

SCALE: 1:2	SHEET# 34	PROJ# Ski Jump	SIZE
DATE: 29/6/10	REVISION:	DATE:	A4
DRN BY RBB SIG		CHKD BY SIG	