



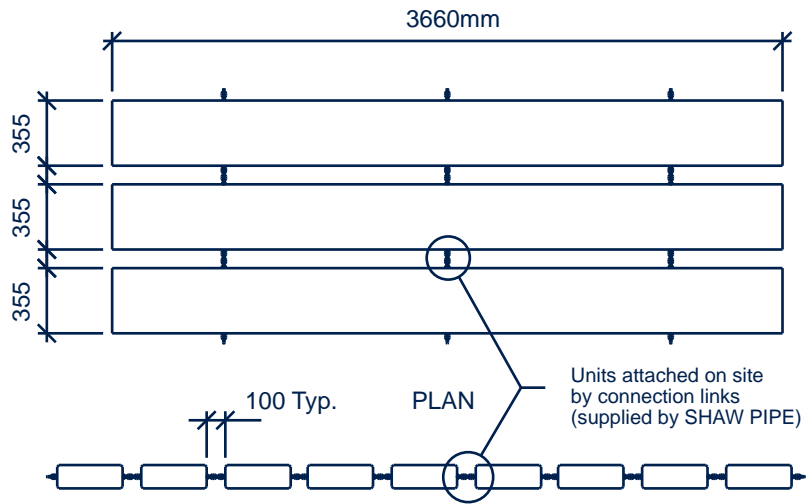
# SPECIALTY PRODUCTS



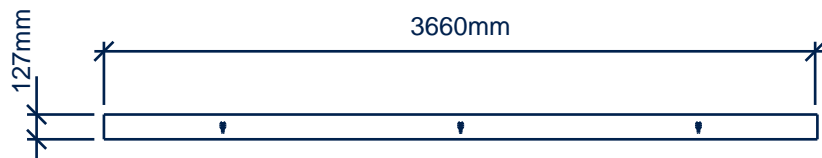
[www.shawpipe.com](http://www.shawpipe.com)

## SHAW CONCRETE BOAT RAMPS

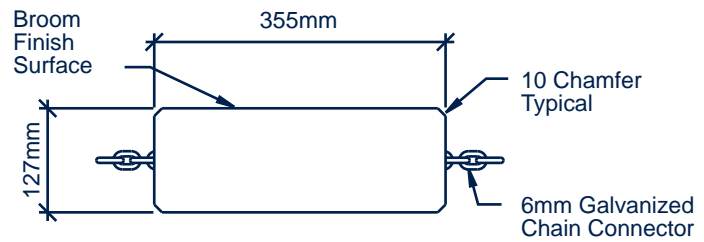
### TYPICAL INSTALLATION SECTION



### SIDE VIEW



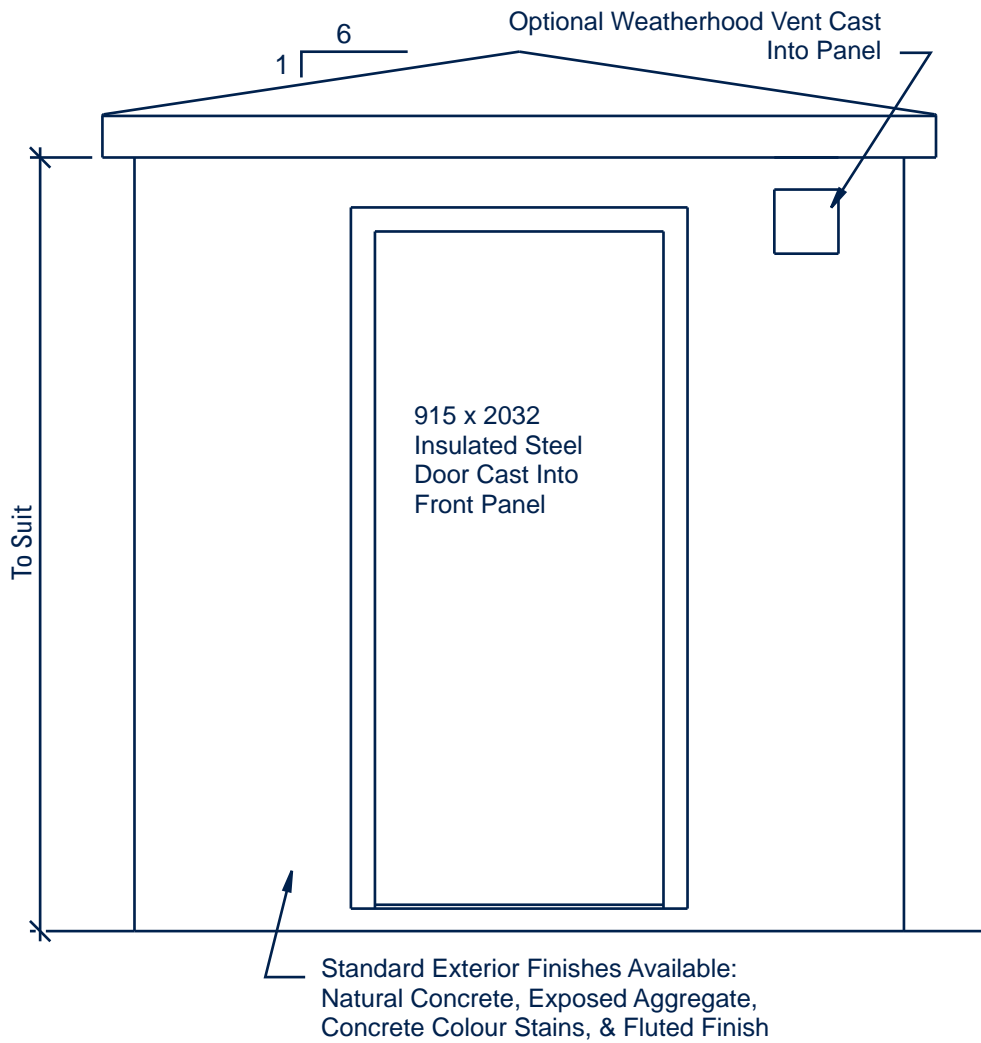
### STANDARD UNIT DIMENSIONS SECTION



SPECIALTY PRODUCTS

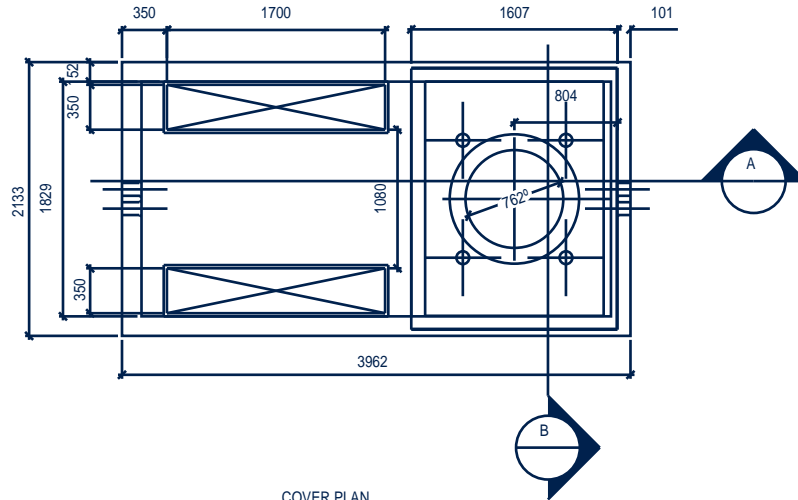
## SHAW PRECAST BUILDINGS

### FRONT ELEVATION

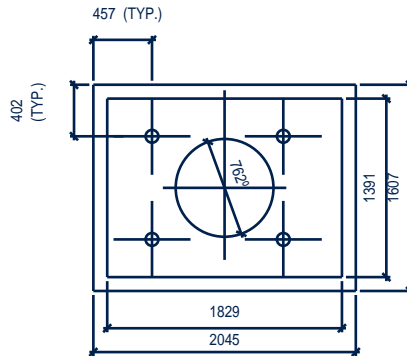
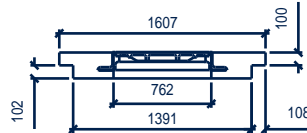


# SWITCHING CUBICAL

## COVER PLAN

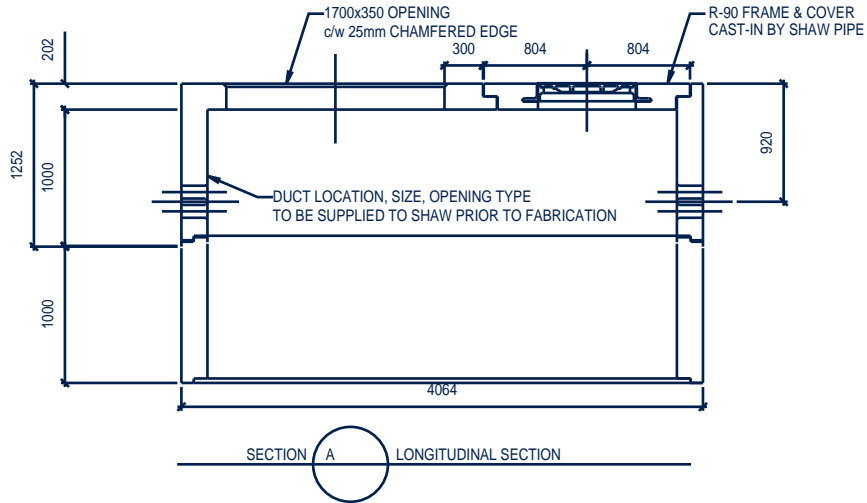


COVER PLAN

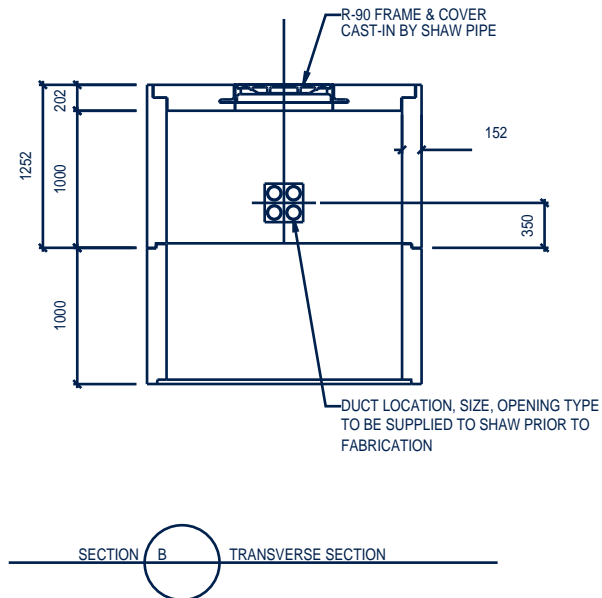


# SWITCHING CUBICAL

## SECTION A LONGITUDINAL SECTION



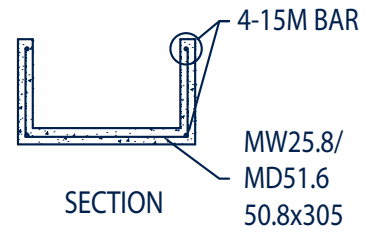
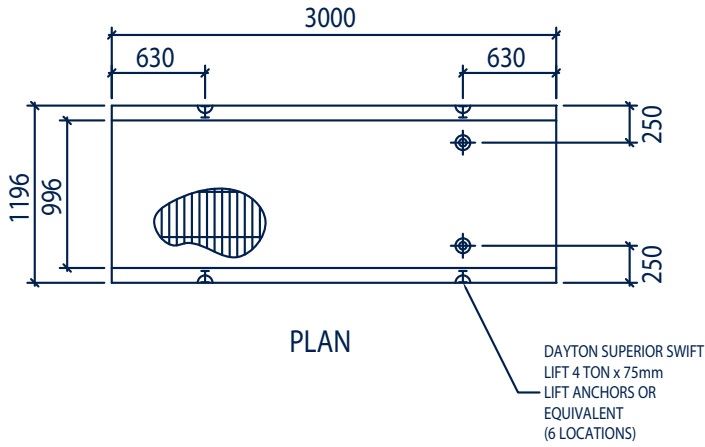
## SECTION B TRANSVERSE SECTION



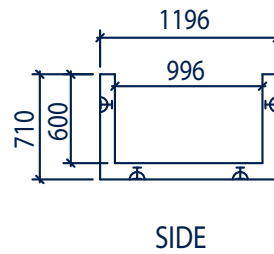
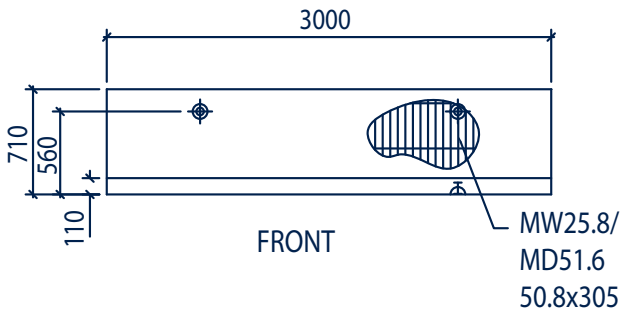
SPECIALTY PRODUCTS

# TRENCH 800

## PLAN /SECTION

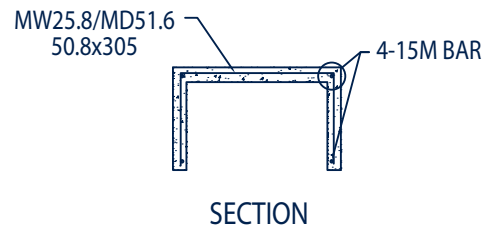
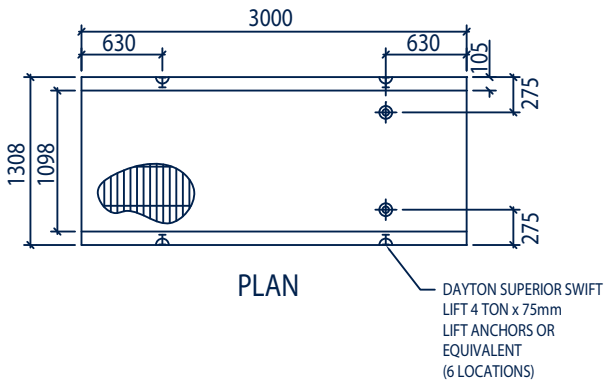


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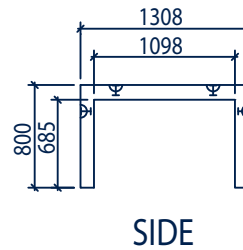
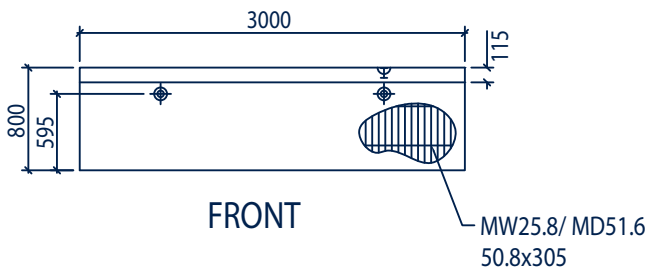


## TRENCH COVER 805

### PLAN /SECTION



### FRONT/SIDE



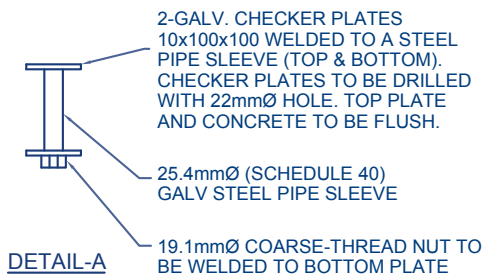
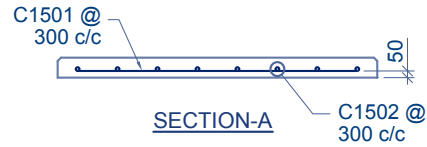
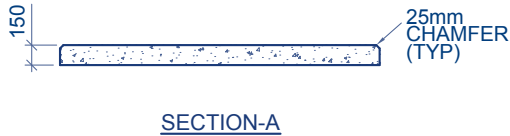
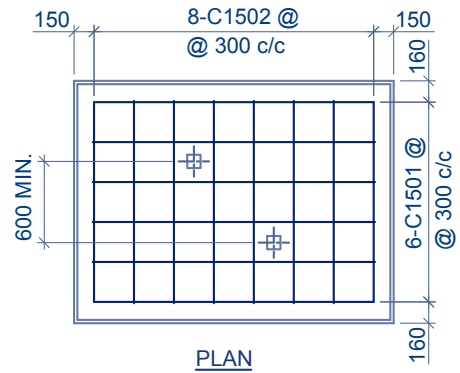
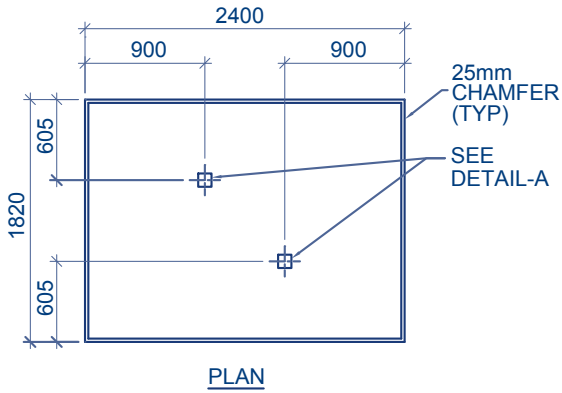






## TRANSFORMER PADS

### 2400x1820 TOP OF FIRE RESISTING BARRIER THREE-PHASE PAD MOUNT

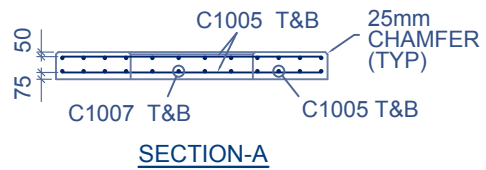
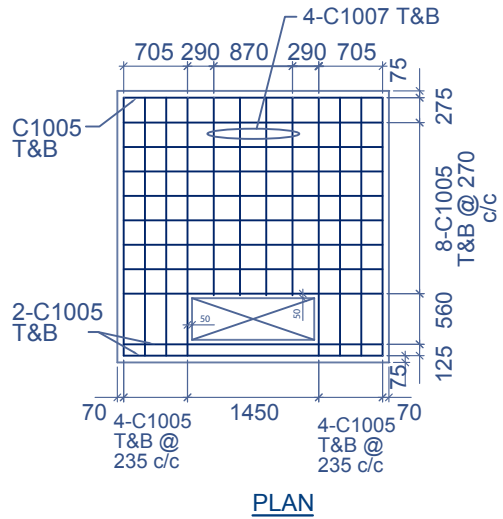
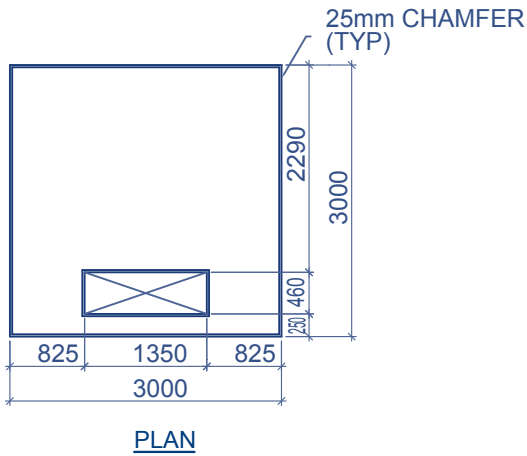


#### REBAR SCHEDULE

C1501-#15M BAR x 2300mm LG - 6 REQUIRED  
C1502-#15M BAR x 1600mm LG - 8 REQUIRED

## TRANSFORMER PADS

3000x3000 THREE-PHASE PADMOUNT TRANSFORMER 750kV.A-2500kV.A

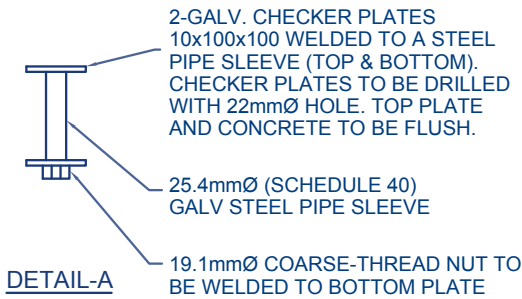
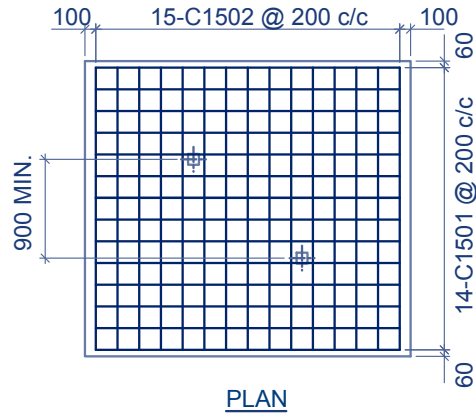
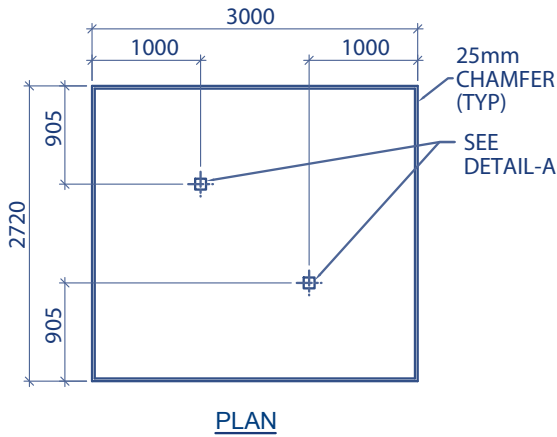


### REBAR SCHEDULE

C1005-#10M BAR x 2900mm LG - 38 REQUIRED  
 C1007-#10M BAR x 2190mm LG - 8 REQUIRED

## TRANSFORMER PADS

### 3000x2720 TOP OF FIRE RESISTING BARRIER THREE-PHASE PADMOUNT TRANSFORMER 750kV.A-2500kV.A GENERAL ARRANGEMENT



#### REBAR SCHEDULE

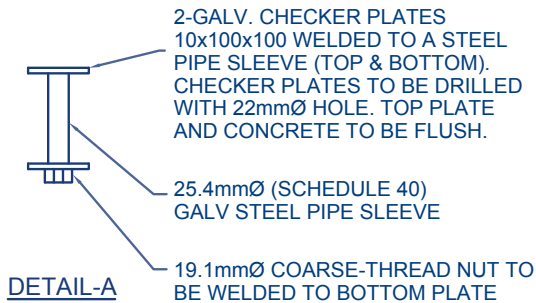
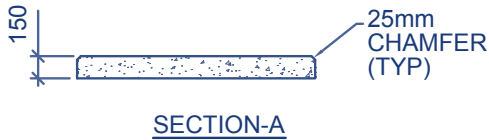
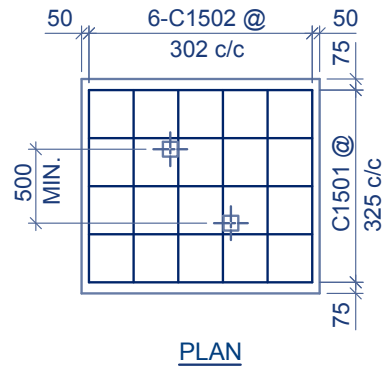
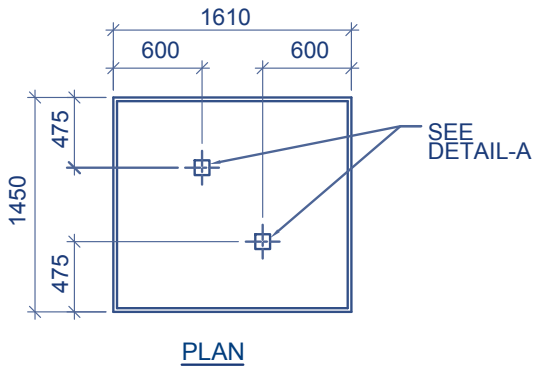
C1501-#15M BAR x 2800mm LG - 14 REQUIRED  
C1502-#15M BAR x 2500mm LG - 15 REQUIRED

SPECIALTY PRODUCTS

SPECIALTY PRODUCTS

## TRANSFORMER PADS

### 1610x1450 TOP OF FIRE RESISTING BARRIER SINGLE-PHASE PADMOUNT TRANSFORMER 50kV.A-167kV.A

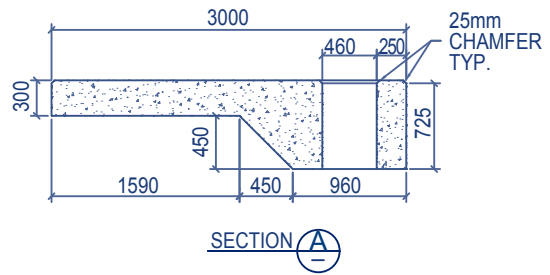
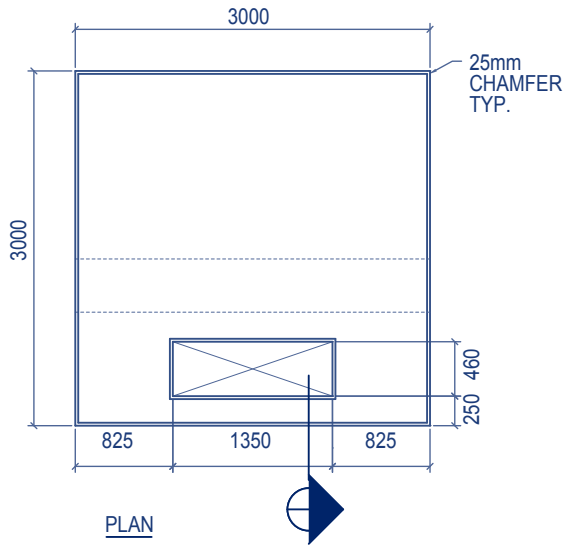


#### REBAR SCHEDULE

C1501-#15M BAR x 1500mm LG - 5 REQUIRED  
C1502-#15M BAR x 1350mm LG - 6 REQUIRED

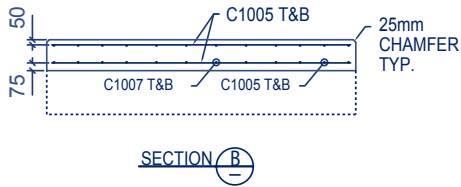
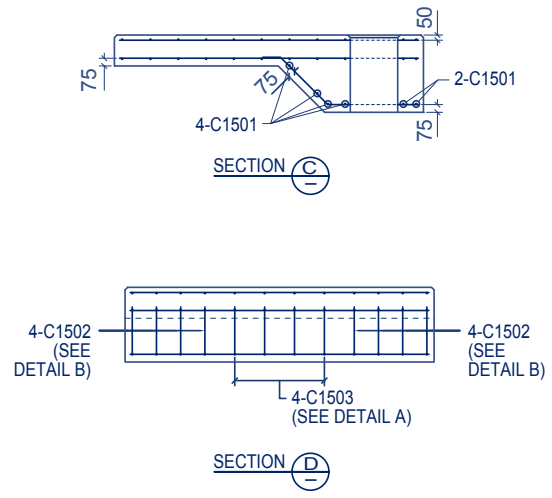
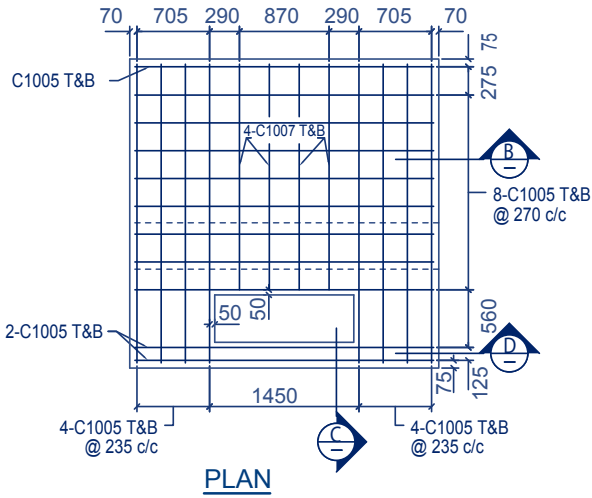
## TRANSFORMER PADS

- THREE PHASE PADMOUNT TRANSFORMER 750kV.A - 2500kV.A  
DEEP WELL DESIGN OVERALL GEOMETRY



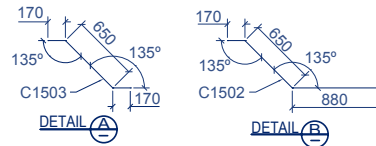
## TRANSFORMER PADS

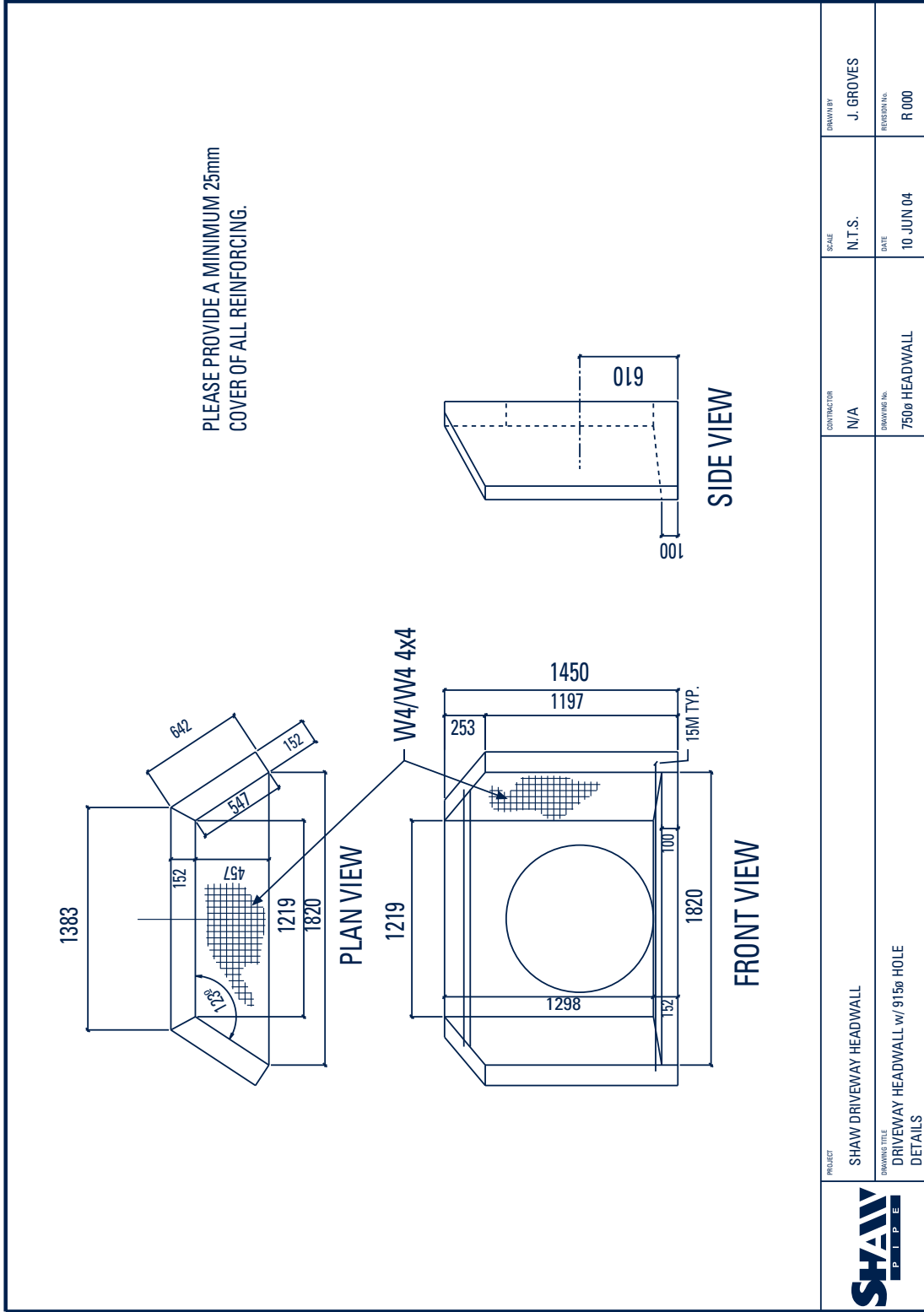
### THREE PHASE PADMOUNT TRANSFORMER 750kV.A - 2500kV.A DEEP WELL DESIGN STANDARD REINFORCING



#### REBAR SCHEDULE

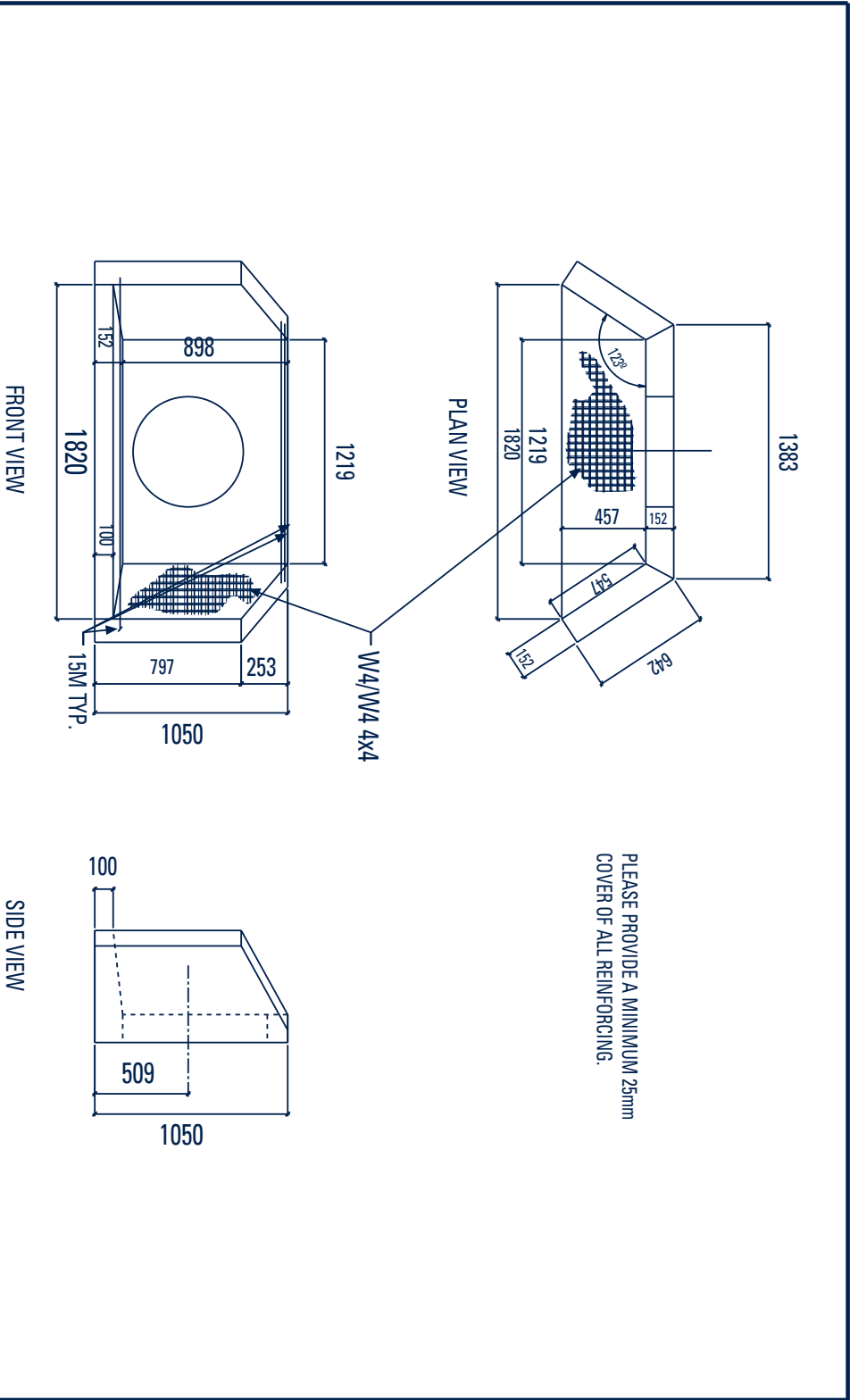
- C1005 - 10M BAR x 2900mm LG - 38 REQ'D
- C1007 - 10M BAR x 2190mm LG - 8 REQ'D
- C1501 - 15M BAR x 2900mm LG - 6 REQ'D
- C1502 - 15M BAR x 1700mm LG - 8 REQ'D
- C1503 - 15M BAR x 990mm LG - 4 REQ'D





<b>SHAW PIPE</b> PRODUCT: SHAW DRIVEWAY HEADWALL DRAWING TITLE: DRIVEWAY HEADWALL w/ 915ø HOLE DETAILS	CONTRACTOR: N/A	SCALE: N.T.S.	DRAWN BY: J. GROVES
	DRAWING No.: 750ø HEADWALL	DATE: 10 JUN 04	REVISION No.: R 000

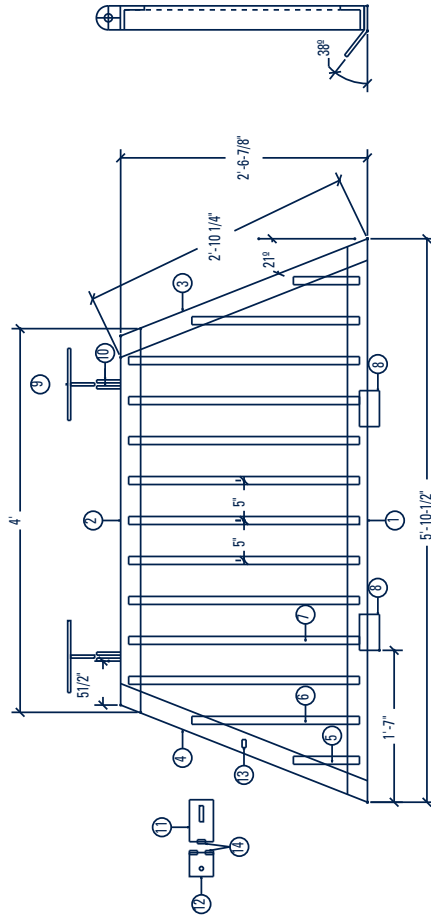




PLEASE PROVIDE A MINIMUM 25mm COVER OF ALL REINFORCING.

	<b>PROJECT</b> SHAW DRIVEWAY HEADWALL (250mm MIN. - 600mm MAX.)	<b>CONTRACTOR</b> N/A	<b>SCALE</b> N.T.S.	<b>DRAWN BY</b> J. GROVES
	<b>DRAWING TITLE</b> DRIVEWAY HEADWALL w/ 600ø HOLE DETAILS	<b>DRAWING NO.</b> 600ø HEADWALL	<b>DATE</b> 10 JUN 04	<b>REVISION NO.</b> R 000

NOTE:  
INLETS - VERTICAL BARS  
OUTLETS - HORIZONTAL BARS

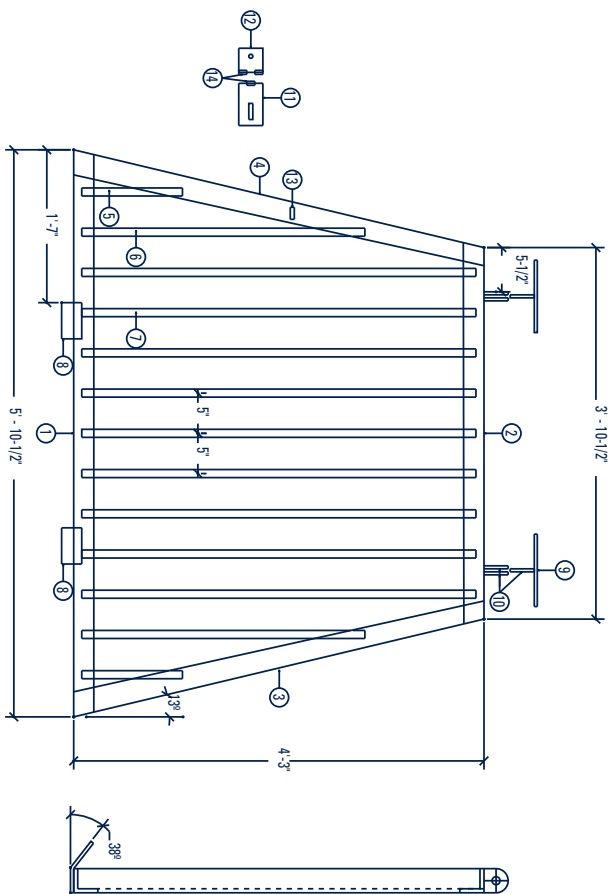


**BILL OF MATERIALS**

No.	MATERIAL	LENGTH	QUANTITY	DRAWING
1	L 2 1/2" x 2 1/2" x 3/8"	5'-10 1/2"	1	BOTTOM ANGLE
2	L 2 1/2" x 2 1/2" x 3/8"	4'-0"	1	TOP ANGLE
3	L 2 1/2" x 2 1/2" x 3/8"	2'-10 1/4"	1	RIGHT ANGLE
4	L 2 1/2" x 2 1/2" x 3/8"	2'-10 1/4"	1	LEFT ANGLE
5	BAR 1"Ø	8"	2	ASSEMBLE
6	BAR 1"Ø	11'-9"	2	ASSEMBLE
7	BAR 1"Ø	2'-5"	9	ASSEMBLE
8	PL 1/2" x 4 1/2"	8 1/2"	2	DETAIL 2
9	PL 3/8" x 3"	9"	2	DETAIL 1
10	PL 3/8" x 3"	3"	6	DETAIL 1
11	PL 1/4" x 3"	6.304"	1	LATCH
12	PL 1/4" x 3"	3"	1	LATCH
13	PL 3/8" x 1 1/2"	1 1/2"	1	DETAIL 3
14	1/8" NPT COUPLING	-	3	LATCH
-	3/4" UNC BOLT	2 1/2"	2	-
-	3/4" UNC NUT	-	2	-
-	1/4" UNC X BOLT	3 1/2"	1	-
-	1/4" UNC NUT	-	1	-

SIDE ELEVATION

PROJECT STANDARD HEADWALL GRATE DRAWINGS DRAWING TITLE 300-600mm HEADWALL GRATE (1050 HIGH) - DETAILS	CONTRACTOR NA	SCALE N.T.S.	DRAWN BY J. GROVES
	DRAWING No. 2006HW0001	DATE APR 2006	REVISION No. R 00

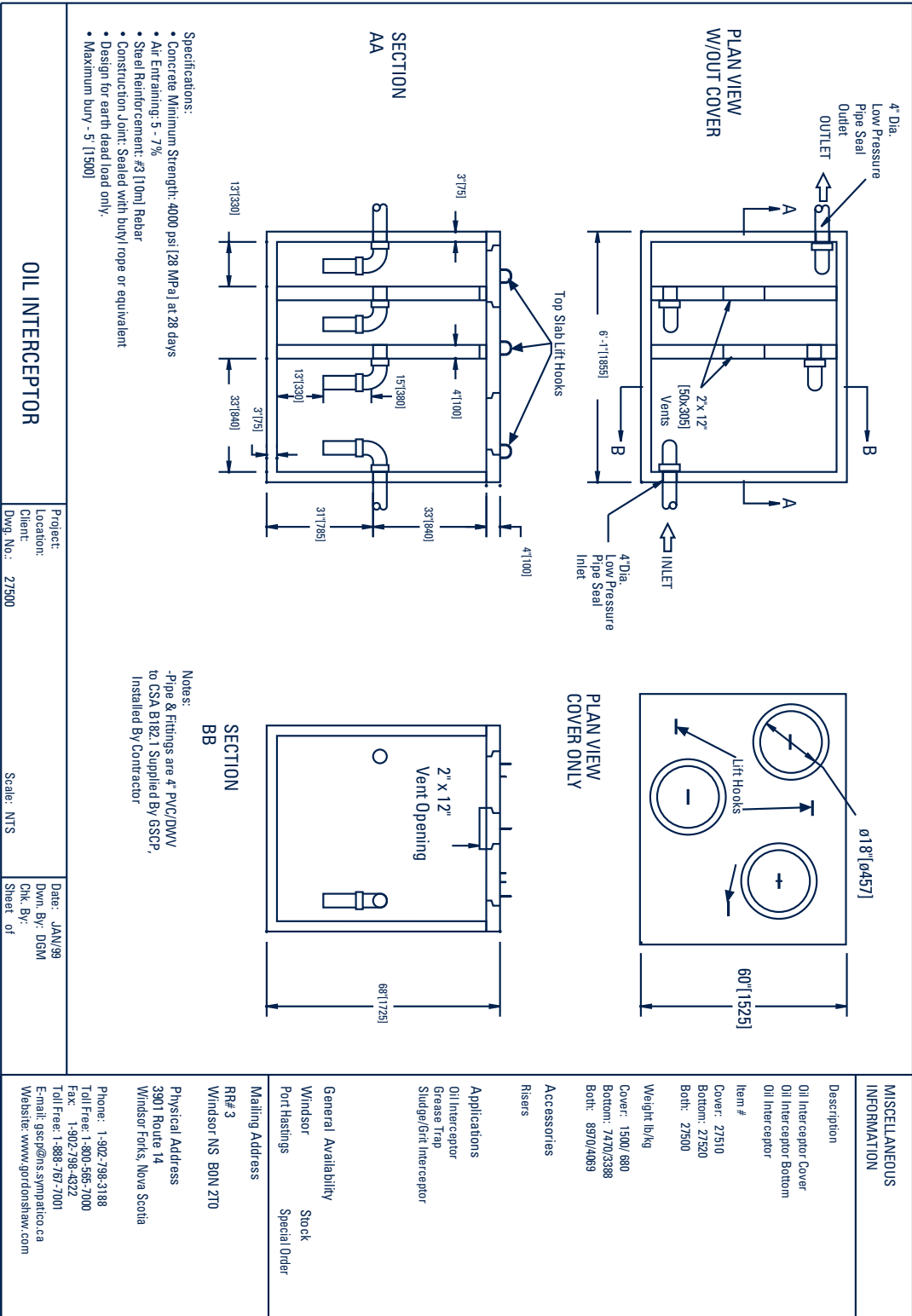


**NOTE:**  
 INLETS - VERTICAL BARS  
 OUTLETS - HORIZONTAL BARS

BILL OF MATERIALS			
No.	MATERIAL	LENGTH	QUANTITY
1	L2 1/2" x 2 1/2" x 3/8"	5'-10 1/2"	1
2	L2 1/2" x 2 1/2" x 3/8"	3'-10 1/2"	1
3	L2 1/2" x 2 1/2" x 3/8"	4'-4 1/2"	1
4	L2 1/2" x 2 1/2" x 3/8"	4'-4 1/2"	1
5	BAR T/O	1'-1"	2
6	BAR T/O	3'-0"	2
7	BAR T/O	4'-0"	9
8	PL 1/2" x 4 1/2"	8 1/2"	2
9	PL 3/8" x 3"	9"	2
10	PL 3/8" x 3"	3"	6
11	PL 1/4" x 3"	6 3/4"	1
12	PL 1/4" x 3"	3"	1
13	PL 3/8" x 1 1/2"	1 1/2"	1
14	1/8" NPT COUPLING	-	3
-	3/4" UNC BOLT	2 1/2"	2
-	3/4" UNC X BOLT	-	2
-	1/4" UNC X BOLT	3 1/2"	1

PROJECT	STANDARD HEADWALL GRATE DRAWINGS	CONTRACTOR	NA	SCALE	N.T.S.	DRAWN BY	J. GROVES
DRAWING TITLE	750-9000mm HEADWALL GRATE (1450 HIGH) - DETAILS	DRAWING No.	2006HHW0003	DATE	APR 2006	RESPONSIBLE	R 00

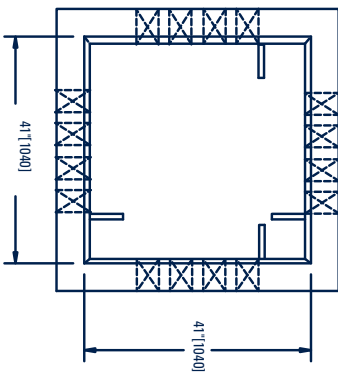




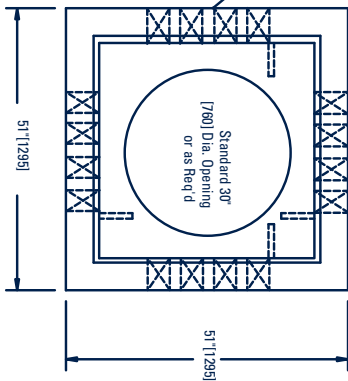
SPECIALTY PRODUCTS



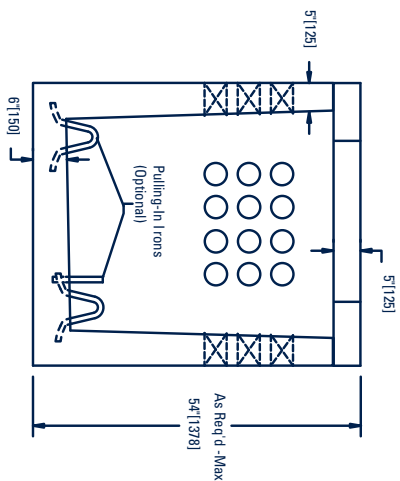
PLAN VIEW  
W/OUT COVER



PLAN VIEW



SECTION  
THRU CENTERLINE



- Specifications:**
- Concrete Minimum Strength: 5000psi [35MPa] at 28 days
  - Air Entraining: 5 - 7%
  - Steel Reinforcement: #3 [10m] Rebar
  - Construction Joint: Sealed with butyl rope or equivalent
  - Design for earth dead load only.
  - Maximum bury - 5' [1500]

- Notes:**
- Reinforced For Non-Traffic Loading
  - Grade Rings Available For Increased Depth of Bury
  - Terminators/Bell End Fittings as Required

UTILITY BOX 1 x 1.0m STANDARD	Project:	56600
	Location:	
	Client:	
	Dwg. No.:	56600
	Scale:	N.T.S.
	Date:	MAR98
	Dwn. By:	DGM
	Chk. By:	
	Sheet of	

MISCELLANEOUS  
INFORMATION

**Description**  
Box 1 x 1m Std - Bot  
Box 1 x 1m Std - Cover  
Box 1 x 1m Standard

**Item #**  
Bottom: 56580  
Cover: 56590  
Bot#: 56600

**Weight lb/kg**  
Bottom: 3200/1452  
Cover: 900/408  
Bot#: 4100/1880

**Accessories**  
Pulling-In Irons  
Grade Rings  
Cast Frame & Cover  
Racking & Hardware  
Drain & Ball Float Valve  
Bell Ends, Terminators and/or  
Conduit 'Window'

**Applications**

Electrical Pull Boxes  
Water/Sewage Valve Chambers  
Manholes/Catchbasins  
Sump Pit

**General Availability**  
Windsor  
Port Hastings  
Special Order  
Special Order

**Mailing Address**

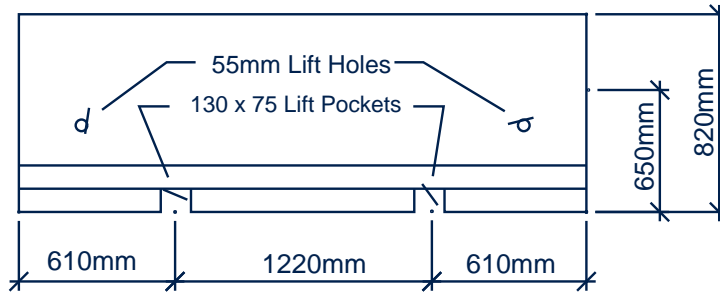
RR# 3  
Windsor NS B0N 2T0  
Physical Address  
3901 Route 14  
Windsor Forks, Nova Scotia

Phone: 1-902-798-3188  
Toll Free: 1-800-565-7000  
Fax: 1-902-798-4322  
Toll Free: 1-888-767-7001  
E-mail: gscop@ns.sympatico.ca  
Website: www.gordonshaw.com

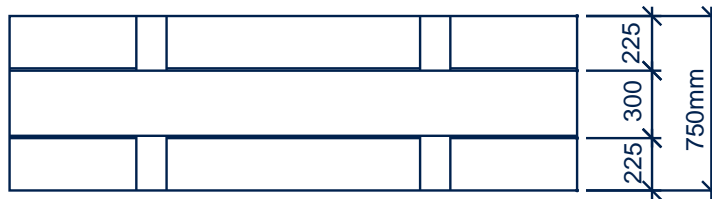
<p><b>MISCELLANEOUS INFORMATION</b></p> <p>Description                  Box 1 x 1.3m HS25 - Bottom                  Box 1 x 1.3m HS25 - Cover                  Box 1 x 1.3m HS25</p> <p>Item #                  Bottom: 56730                  Cover: 56740                  Both: 56750</p> <p>Weight lb/kg                  Bottom: 4325/1961                  Cover: 1800/817                  Both: 6125/2778</p> <p>Accessories                  Ground Rod, Wire &amp; Clamp                  Pulling-In Irons                  Grade Rings                  Cast Frame &amp; Cover                  Racking &amp; Hardware                  Drain &amp; Ball Float Valve                  Bell Ends, Terminators and/or                  Conduit "Window"</p> <p>Applications                  Communications Pull Boxes                  Electrical Pull Boxes                  Water/Sewage Valve Chambers                  Manholes/Catchbasins                  Sump Pit</p> <p>General Availability                  Windsor Special Order</p> <p>Port Hastings Special Order</p> <p>Mailing Address                  RR# 3                  Windsor NS B0N 2T0</p> <p>Physical Address                  3901 Route 14                  Windsor Forks, Nova Scotia</p> <p>Phone: 1-902-798-3188                  Toll Free: 1-800-565-7000                  Fax: 1-902-798-4322                  Toll Free: 1-888-767-7001                  E-mail: gscpp@ns.shawpipe.ca                  Website: www.gordonshaw.com</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;"><b>PLAN VIEW W/OUT COVER</b></p> </div> <div style="width: 45%;"> <p style="text-align: center;"><b>PLAN VIEW</b></p> </div> </div> <div style="margin-top: 20px;"> <p style="text-align: center;"><b>SECTION THRU CENTERLINE</b></p> </div> <div style="margin-top: 20px;"> <p><b>Specifications:</b></p> <ul style="list-style-type: none"> <li>• Concrete Minimum Strength: 5000psi [35MPa] at 28 days</li> <li>• Air Entraining: 5 - 7%</li> <li>• Steel Reinforcement: For HS-25</li> <li>• Construction Joint: Sealed with butyl rope or equivalent</li> <li>• Design for HS-25 Load at 2'[600] Bury</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Grade Rings Available For Increased Depth of Bury</li> <li>• Accessories Holes as Required</li> </ul> </div>	<p>Date: MAY/99                  Divn. By: DGM                  Chk. By:                  Sheet of</p> <p>Project:                  Location:                  Client:                  Dwg. No.: 56750</p> <p>Scale: NTS</p> <p>UTILITY BOX 1.0m x 1.3m                  HS-25 Loading</p>
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## SHAW SAFETY BARRIERS

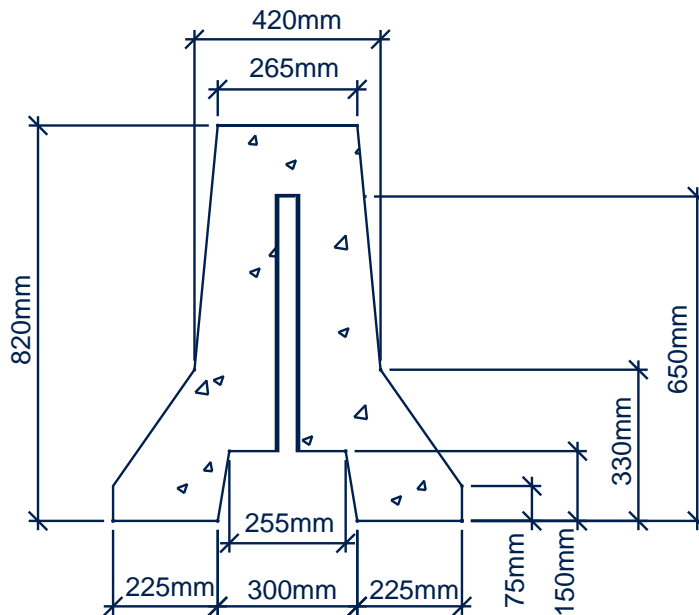
### ☑ SIDE VIEW



### ☑ BOTTOM VIEW

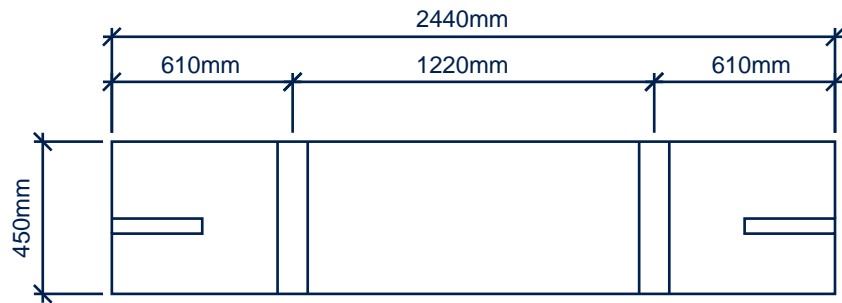


### ☑ END VIEW

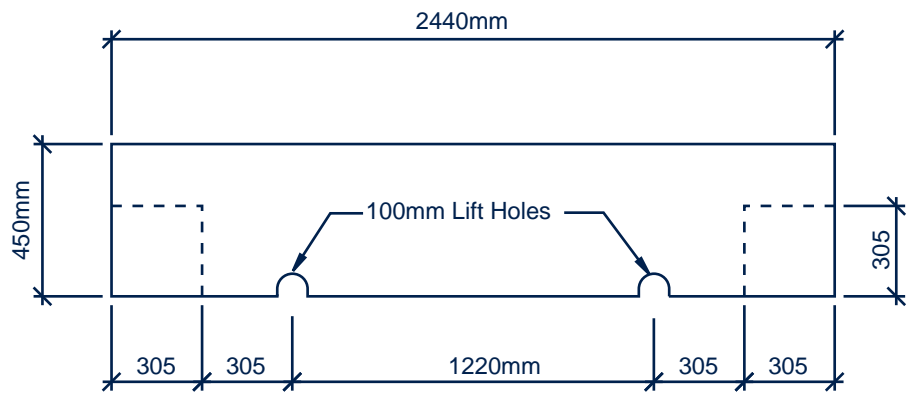


## SHAW TRAFFIC BARRIER

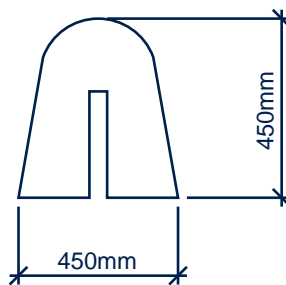
☑ BOTTOM VIEW



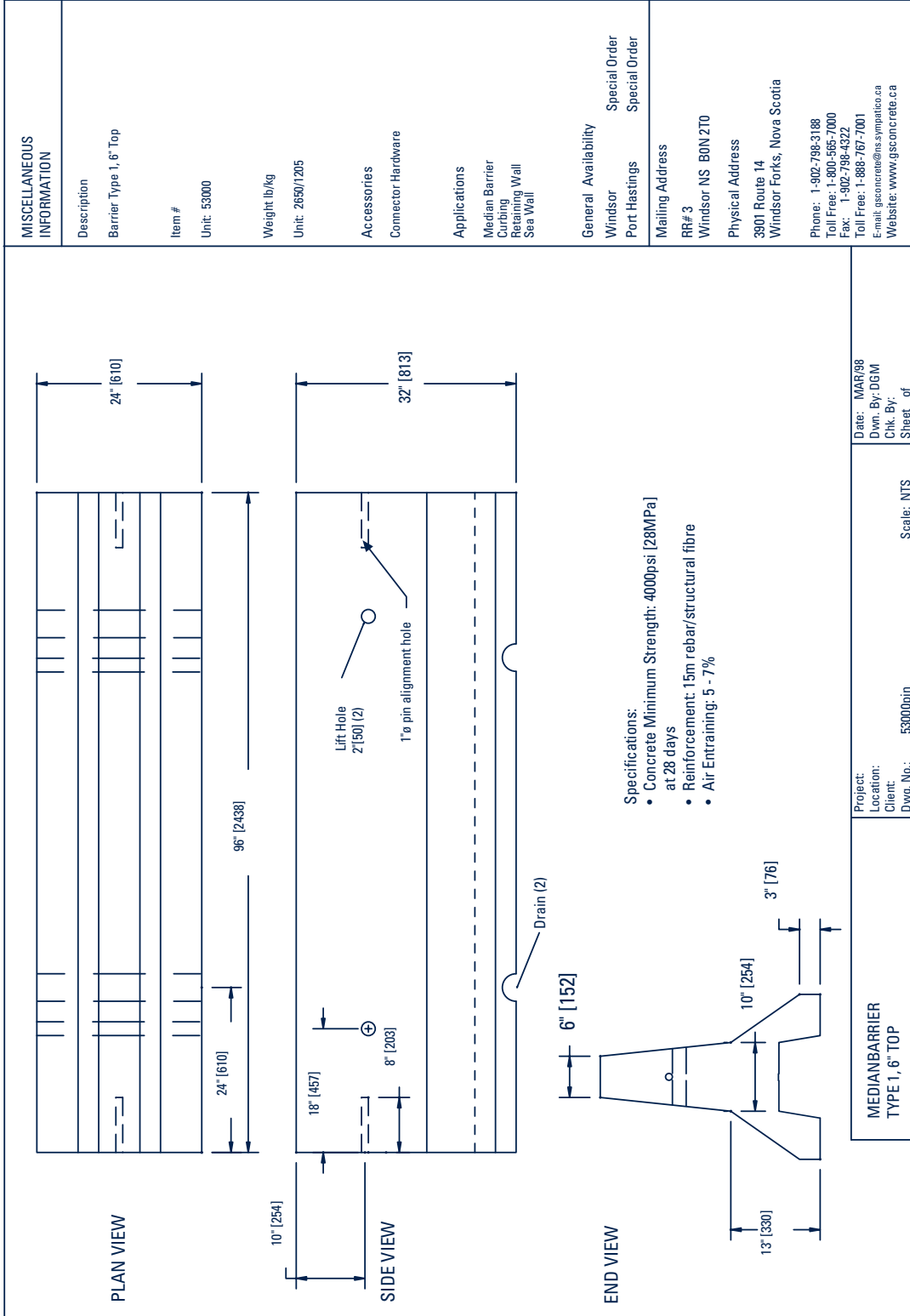
☑ SIDE VIEW

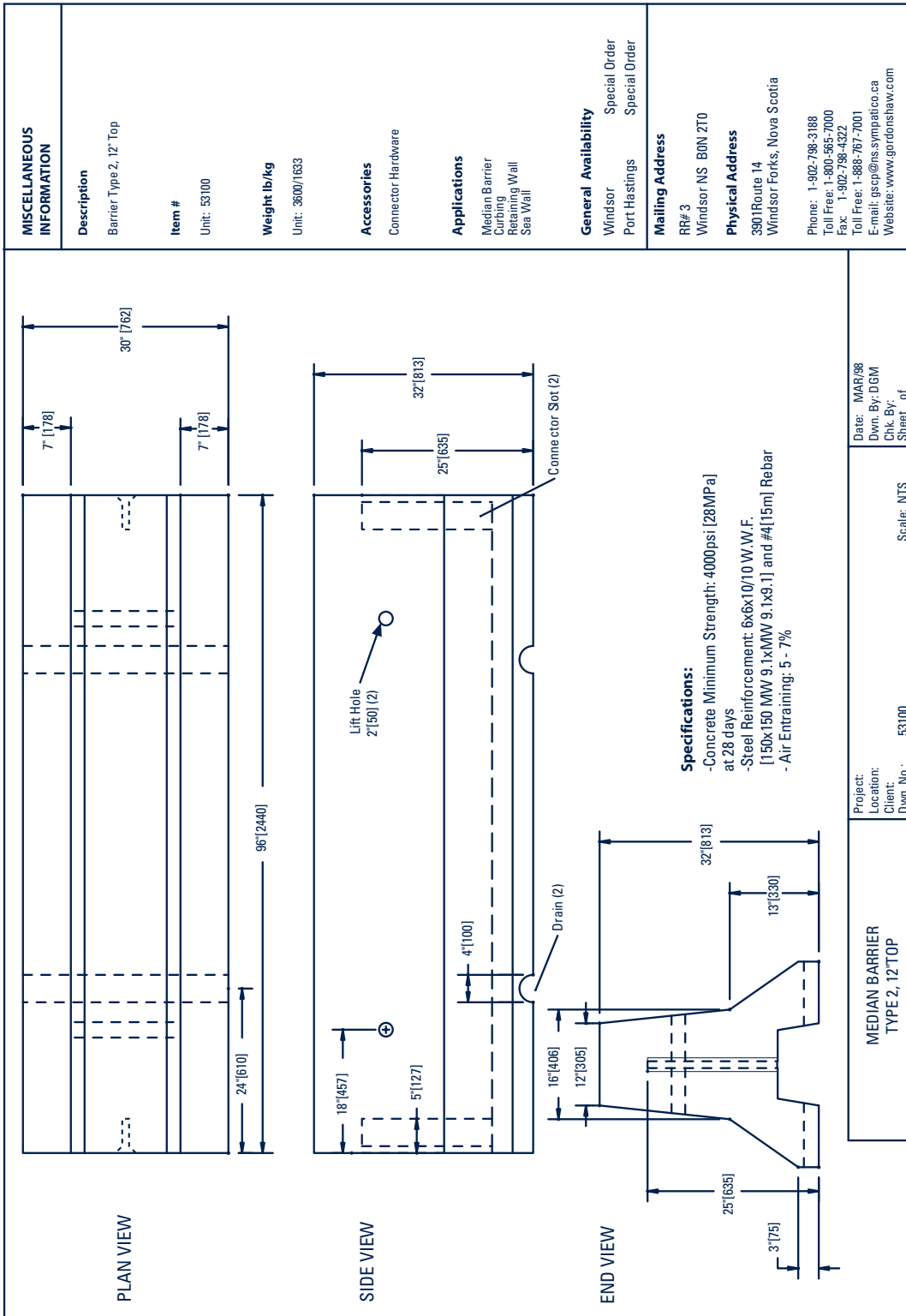


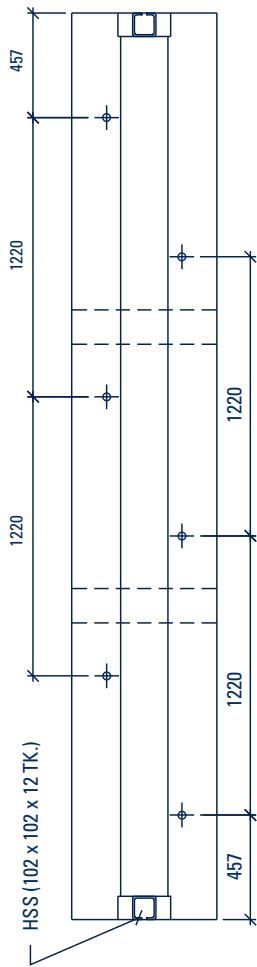
☑ END VIEW



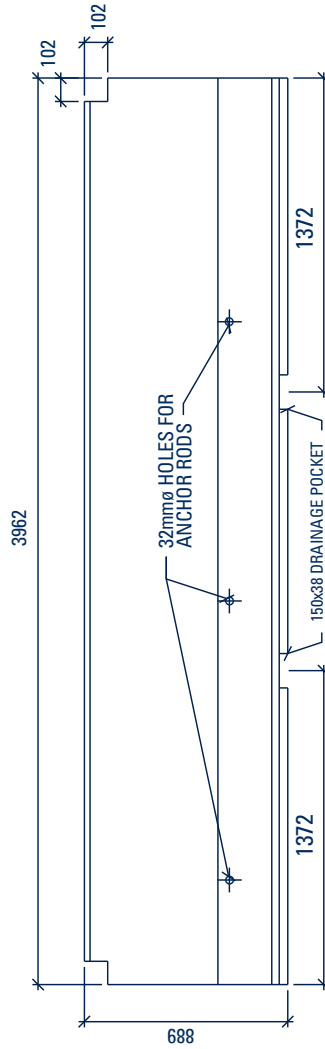




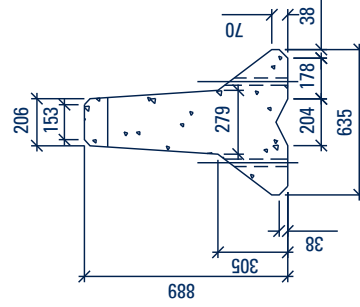




PLAN




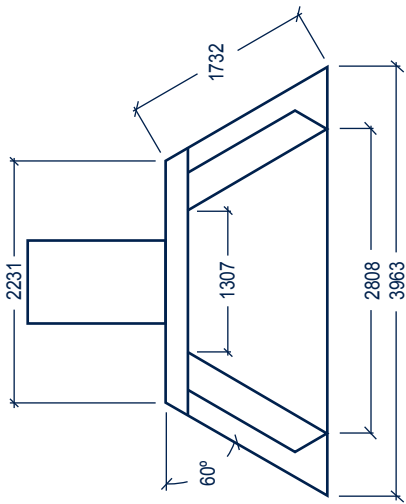
ELEVATION



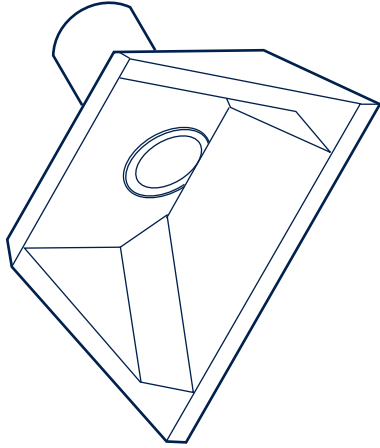
SECTION

NOTE:  
HSS NOT SHOWN IN  
ELEVATION OR SECTION  
FOR CLARITY.

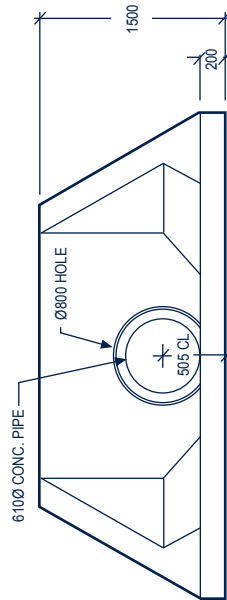
	PROJECT	CONTRACTOR	SCALE	DRAWN BY
	13' JERSEY BARRIER	N/A	N.T.S	J. GROVES
	DRAWING TITLE	DRAWING NO.	DATE	REVISION NO.
	TYPICAL DIMENSIONS	2006JB0101	8 DEC 06	R 00



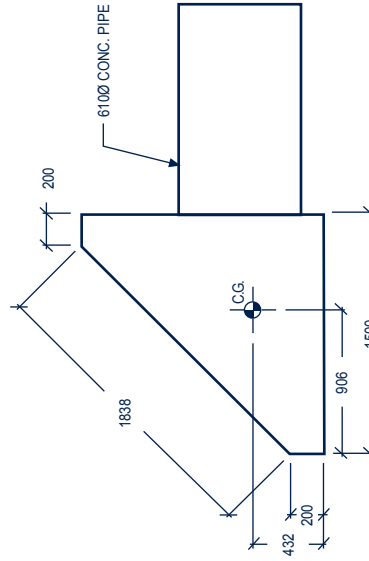
TOP VIEW



ISOMETRIC



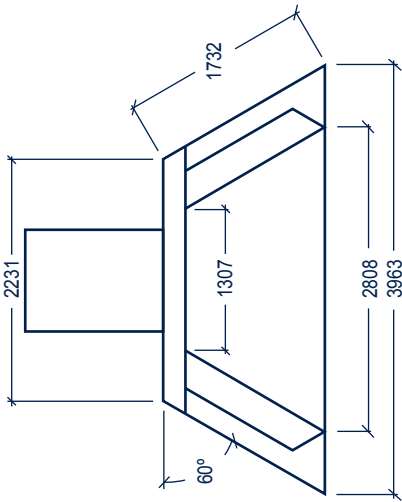
FRONT VIEW



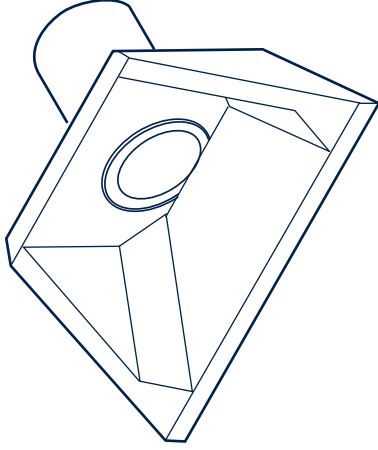
RIGHT SIDE VIEW

WEIGHT = 4700 KG

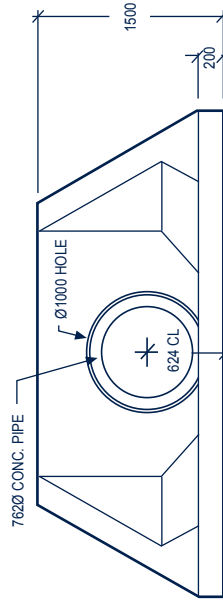
	PROJECT: <b>STANDARD HRM HEADWALL - 1500 X 1500 c/w 600 PIPING</b>	CONTRACTOR N/A	SCALE N.T.S.	DRAWN BY J. GROVES
	DRAWING TITLE GENERAL ARRANGEMENT	DRAWING no. 1500 x 1500 x 600 PIPE	DRAWING no. 15 MAR 07	REVISION No. R 00



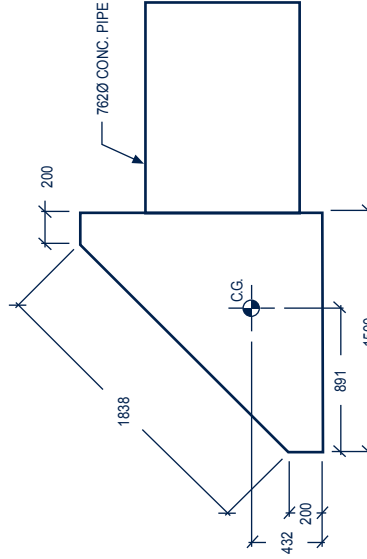
TOP VIEW



ISOMETRIC



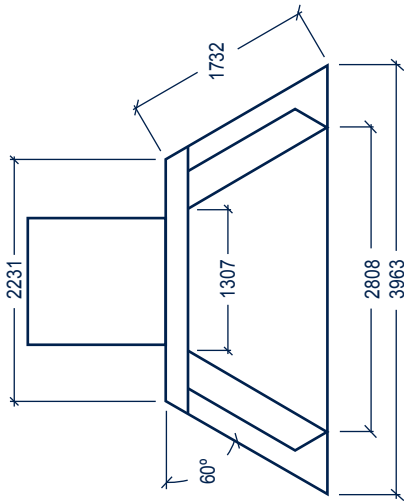
FRONT VIEW



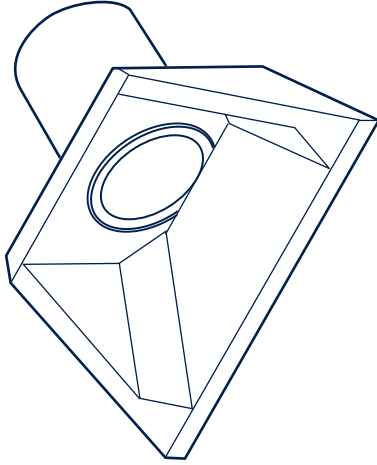
RIGHT SIDE VIEW

WEIGHT = 4550 KG

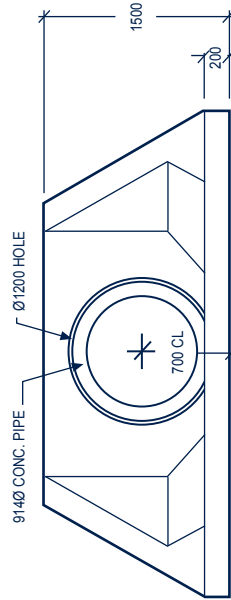
	PROJECT: <b>STANDARD HRM HEADWALL - 1500 X 1500 c/w 750 PIPING</b>	CONTRACTOR <b>N/A</b>	SCALE <b>N.T.S.</b>	DRAWN BY <b>J. GROVES</b>
	DRAWING TITLE <b>GENERAL ARRANGEMENT</b>	DRAWING no. <b>1500 x 1500 x 750 PIPE</b>	DRAWING no. <b>15 MAR 07</b>	REVISION No. <b>R 00</b>
SHEET No. <b>1</b>				



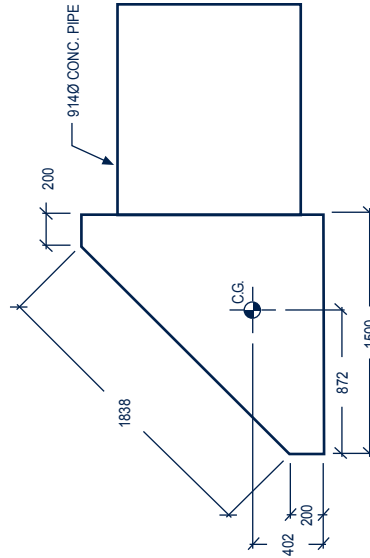
TOP VIEW



ISOMETRIC



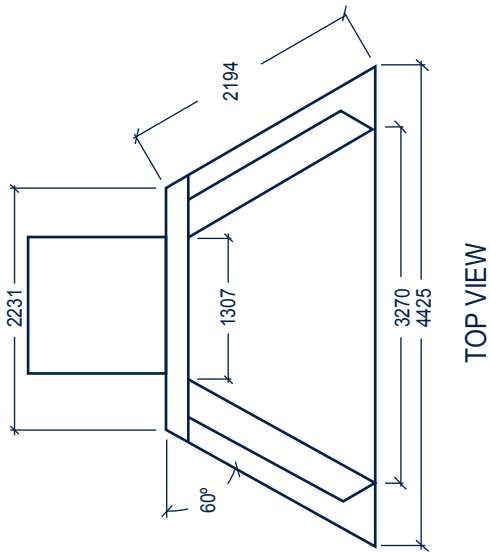
FRONT VIEW



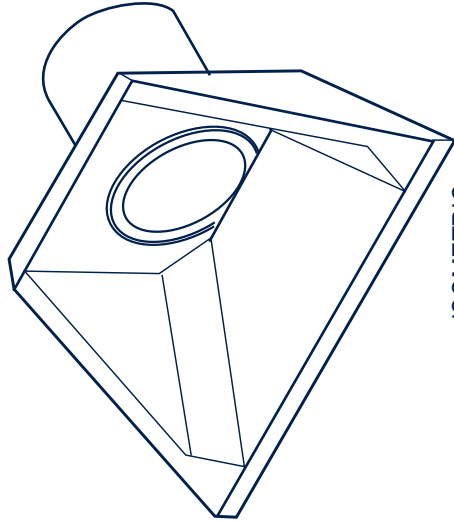
RIGHT SIDE VIEW

WEIGHT = 4400 KG

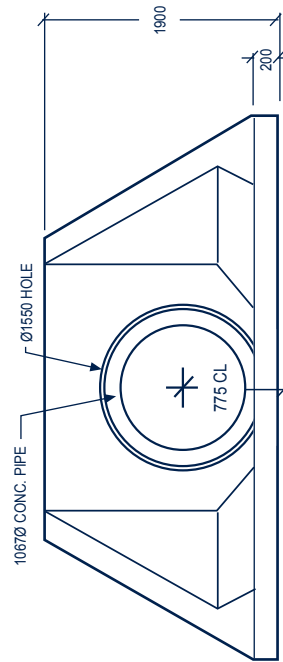
	PROJECT: STANDARD HRM HEADWALL - 1500 X 1500 c/w 900 PIPING	CONTRACTOR: N/A	SCALE: N.T.S.	DRAWN BY: J. GROVES
	DRAWING TITLE: GENERAL ARRANGEMENT	DRAWING no. 1500 x 1500 x 750 PIPE	DRAWING no. 15 MAR 07	REVISION No. R 00



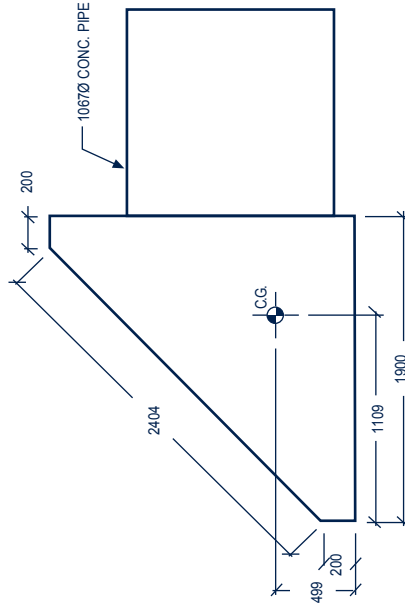
TOP VIEW



ISOMETRIC



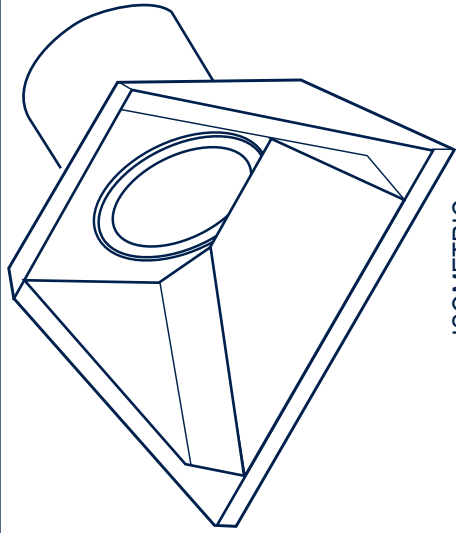
FRONT VIEW



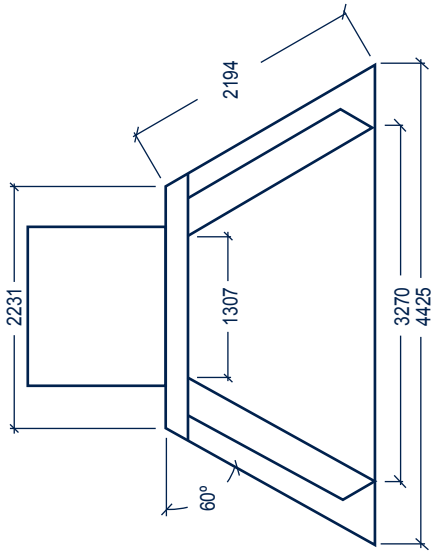
RIGHT SIDE VIEW

WEIGHT = 6300 KG

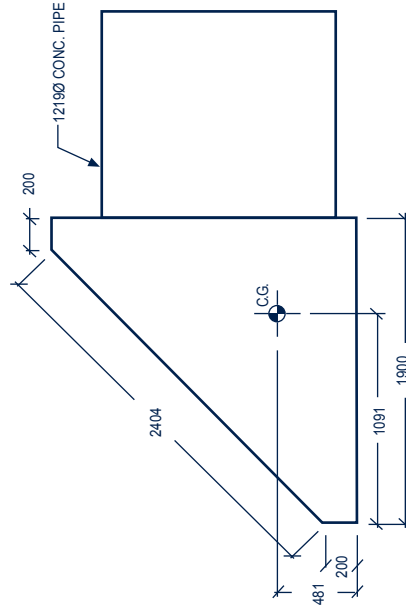
	PROJECT:	CONTRACTOR:	SCALE:	DRAWN BY:
	STANDARD HRM HEADWALL - 1900 X 1900 c/w 1050 PIPING	N/A	N.T.S.	J. GROVES
	DRAWING TITLE:	DRAWING no.	DRAWING no.	REVISION No.
	GENERAL ARRANGEMENT	1900 x 1900 x 1050 PIPE	15 MAR 07	R 00
				SHEET No.
				1



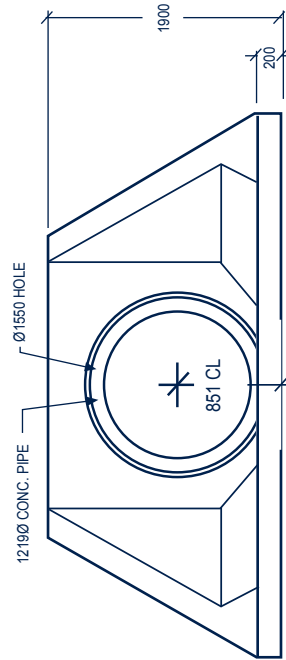
ISOMETRIC



TOP VIEW



RIGHT SIDE VIEW

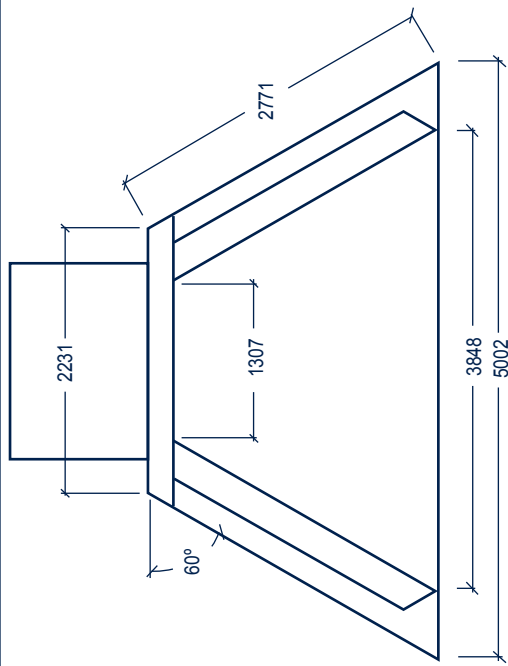


FRONT VIEW

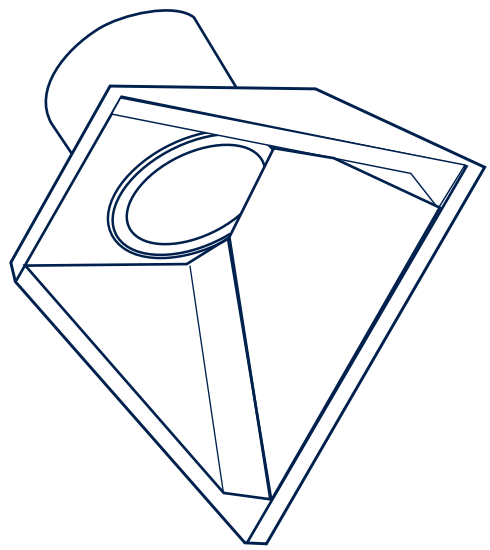
WEIGHT = 6100 KG

	PROJECT: STANDARD HRM HEADWALL - 1900 X 1900 c/w 1200 PIPING	CONTRACTOR: N/A	SCALE: N.T.S.	DRAWN BY: J. GROVES
	DRAWING TITLE: GENERAL ARRANGEMENT	DRAWING no. 1900 X 1900 X 1200 PIPE	DRAWING no. 15 MAR 07	REVISION No. R 00

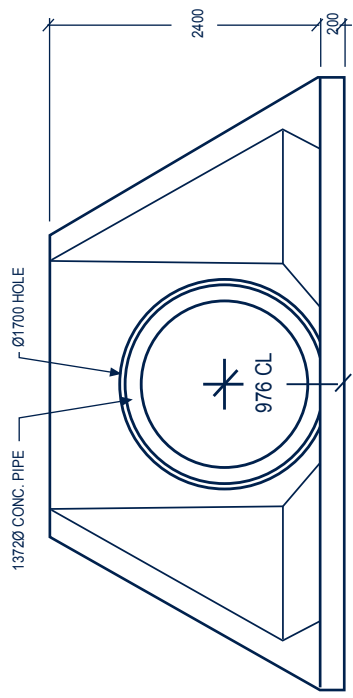




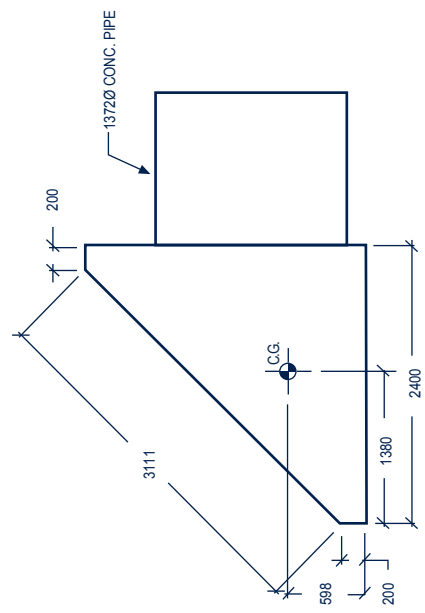
TOP VIEW



ISOMETRIC



FRONT VIEW

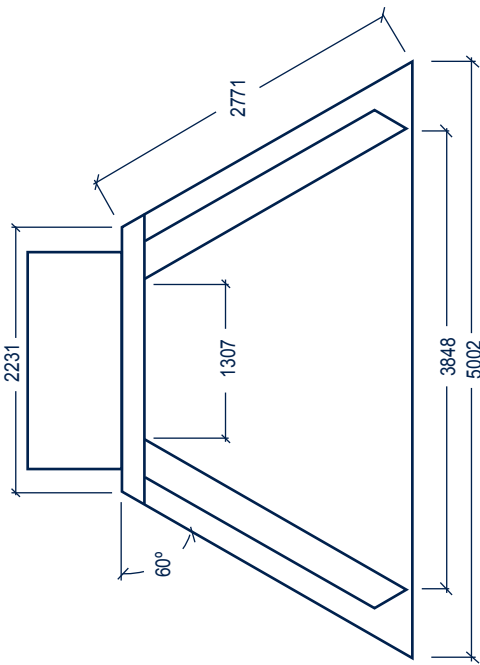


RIGHT SIDE VIEW

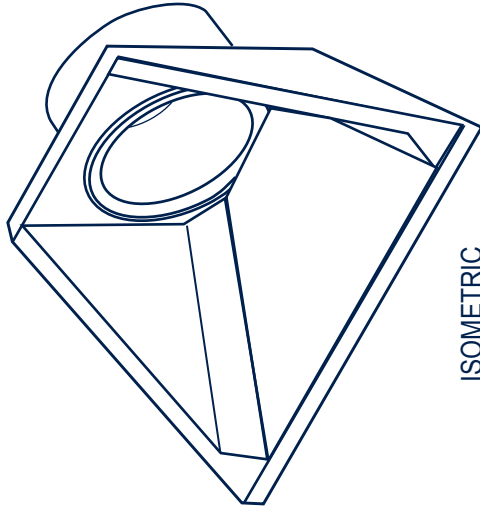
WEIGHT = 8800 KG

	PROJECT: <b>STANDARD HRM HEADWALL - 2400 X 2400 c/w 1350 PIPING</b>	CONTRACTOR: <b>N/A</b>	SCALE: <b>N.T.S.</b>	DRAWN BY: <b>J. GROVES</b>
	DRAWING TITLE: <b>GENERAL ARRANGEMENT</b>	DRAWING no. <b>2400 x 2400 x 1350 PIPE</b>	DRAWING no. <b>15 MAR 07</b>	REVISION No. <b>R 00</b>

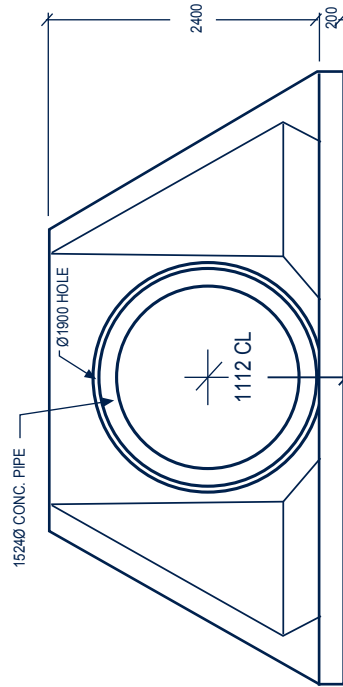




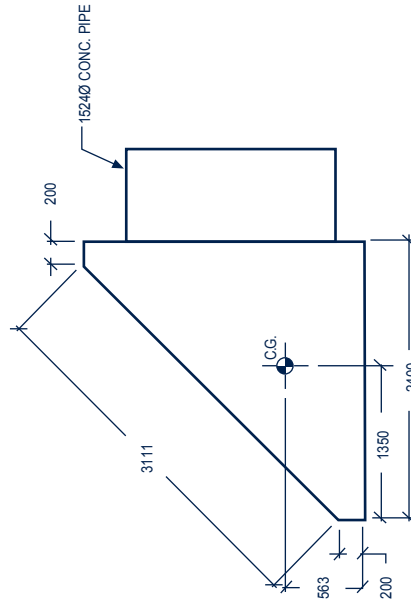
TOP VIEW



ISOMETRIC



FRONT VIEW



RIGHT SIDE VIEW

WEIGHT = 8500 KG

	PROJECT: <b>STANDARD HRM HEADWALL - 2400 X 2400 c/w 1500 PIPING</b>	CONTRACTOR: <b>N/A</b>	SCALE: <b>N.T.S.</b>	DRAWN BY: <b>J. GROVES</b>
	DRAWING TITLE: <b>GENERAL ARRANGEMENT</b>	DRAWING no. <b>2400 x 2400 x 1500 PIPE</b>	DRAWING no. <b>15 MAR 07</b>	REVISION No. <b>R 00</b>