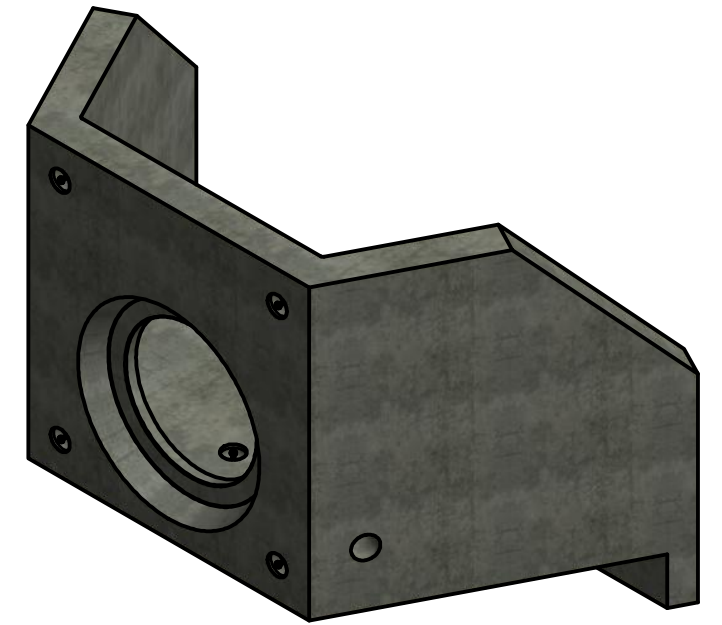
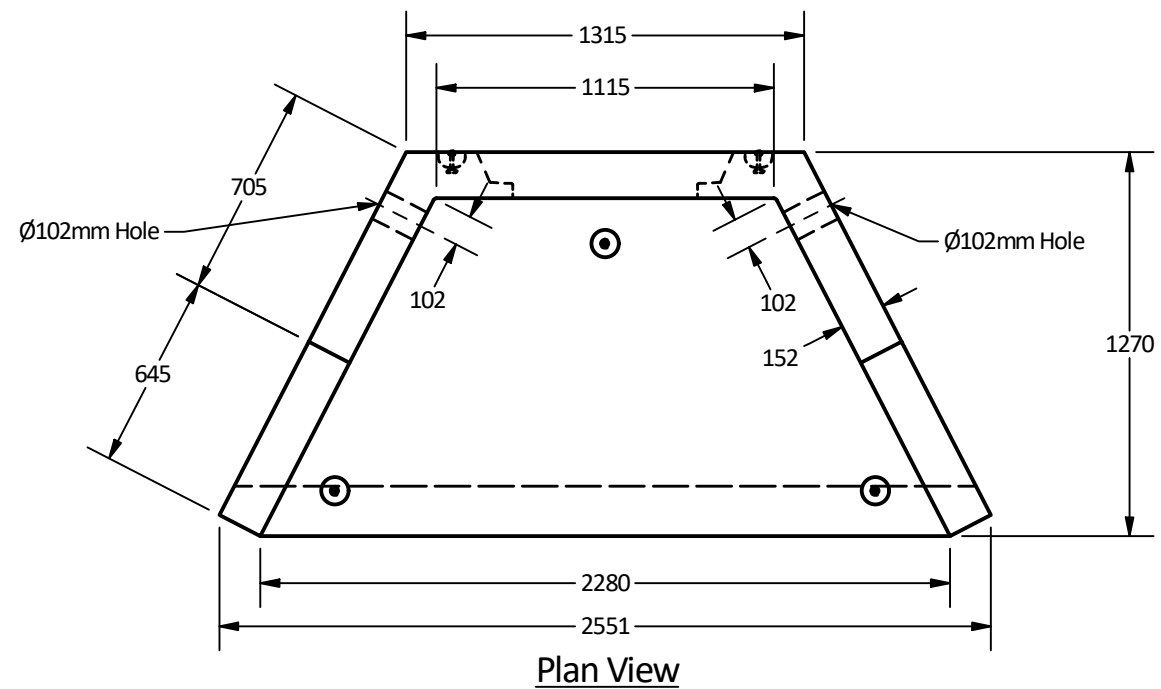


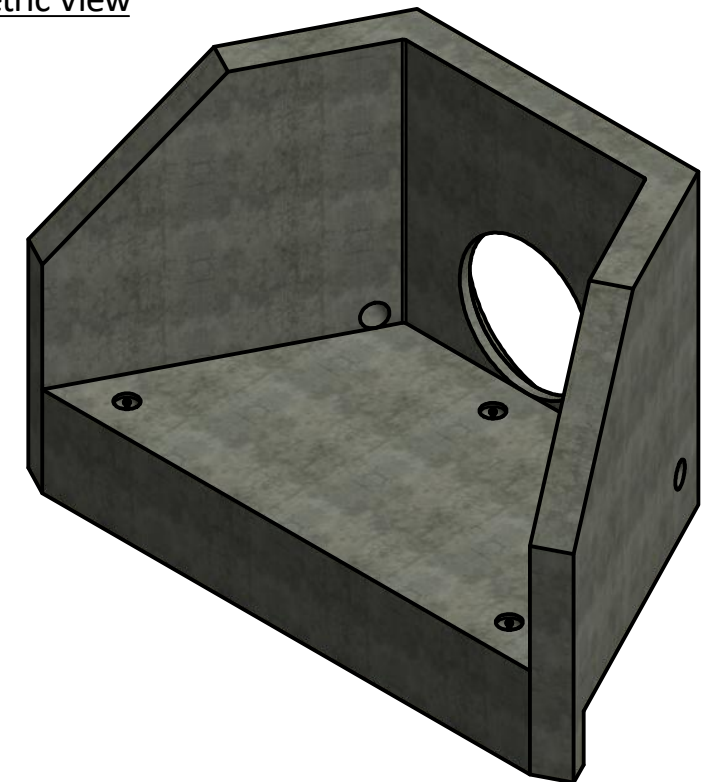
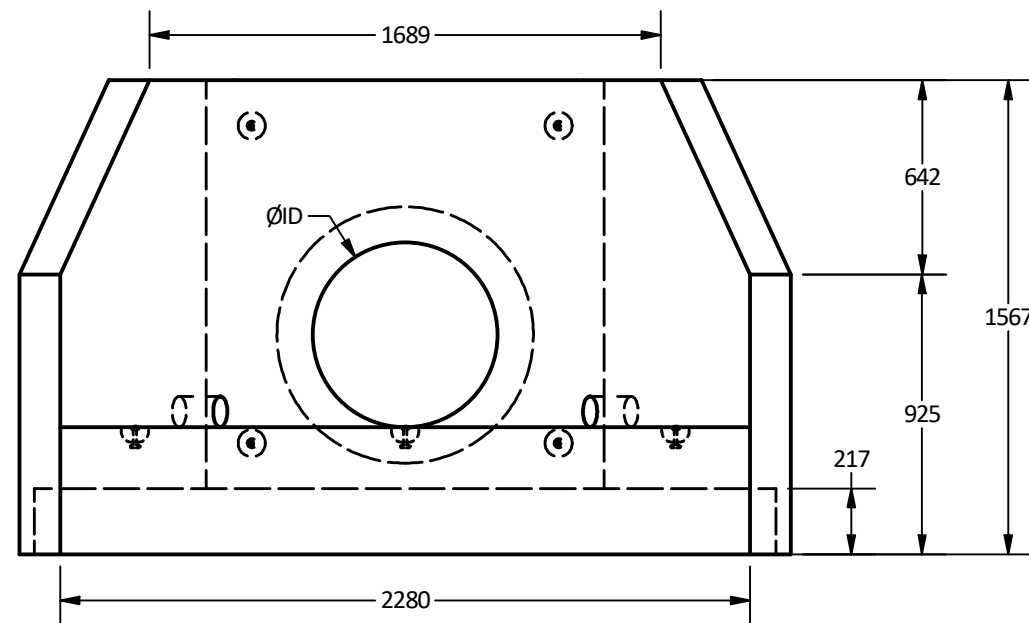
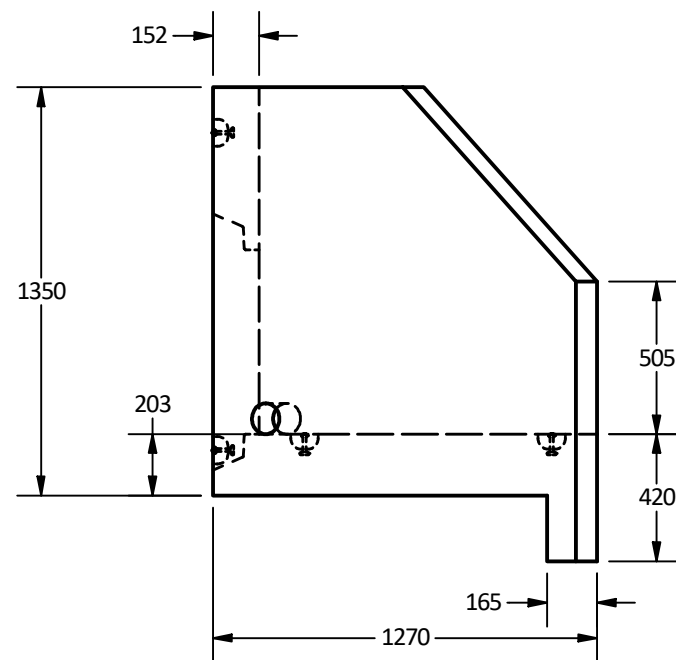
PARTLIST			
ITEM	QTY	PART NUMBER	WEIGHT
1	1	Headwall	2,770kg.

Notes:

- 11-13 Headwall is built as shown.
- Unit supplied with rough core for inlet/outlet as shown.
- Suggested core size to be maximum of 915mm diameter.
- Structure supplied with embedded threaded inserts for grills and handrails.
- Bolt-on inlet/outlet grills and handrails are available upon request.
- Unit supplied with lifting inserts as required.
- Minimum rebar yield strength: 414 MPa.
- Minimum concrete strength: 30 MPa.
- All dimensions are in millimeters.



Isometric View



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All Dimensions are in Millimeters. Unless otherwise Stated

Projection Method: THIRD ANGLE



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VICTORIA (250) 478-9581
CHILLIWACK 1-800 667-9600

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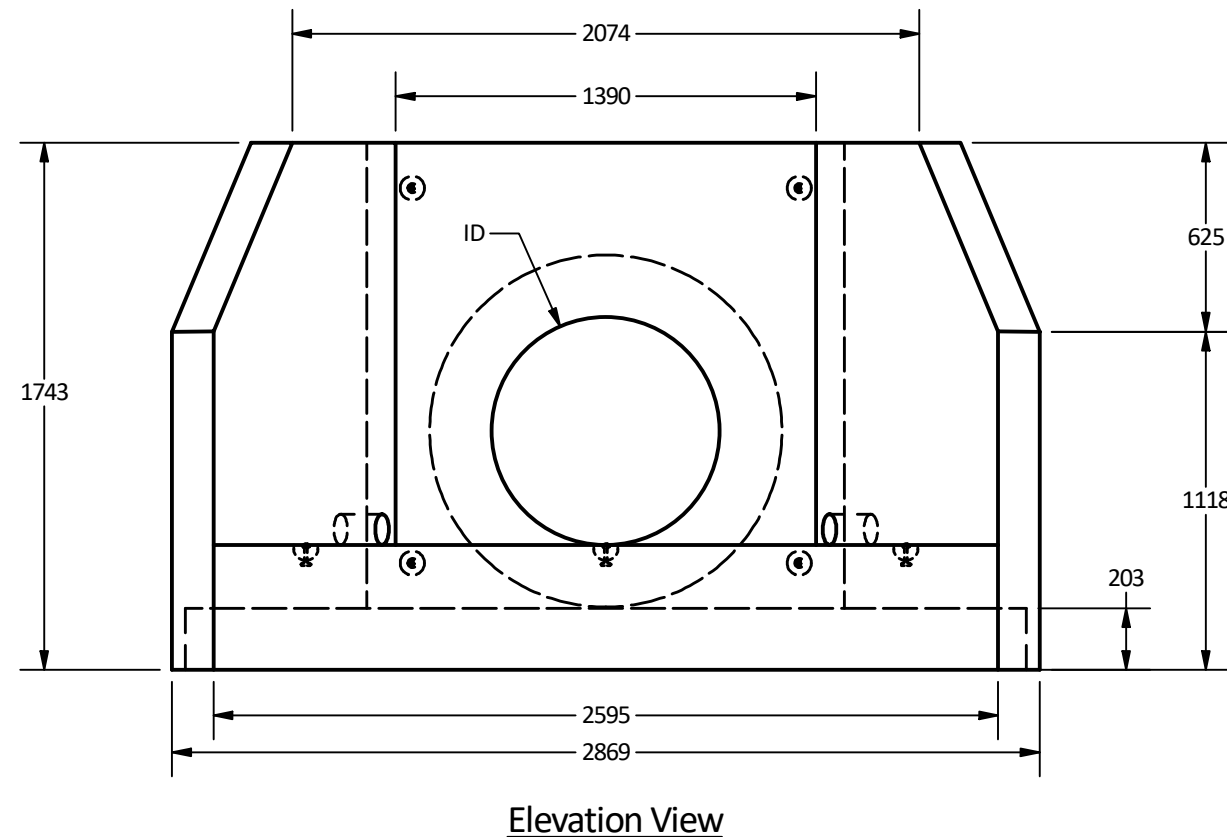
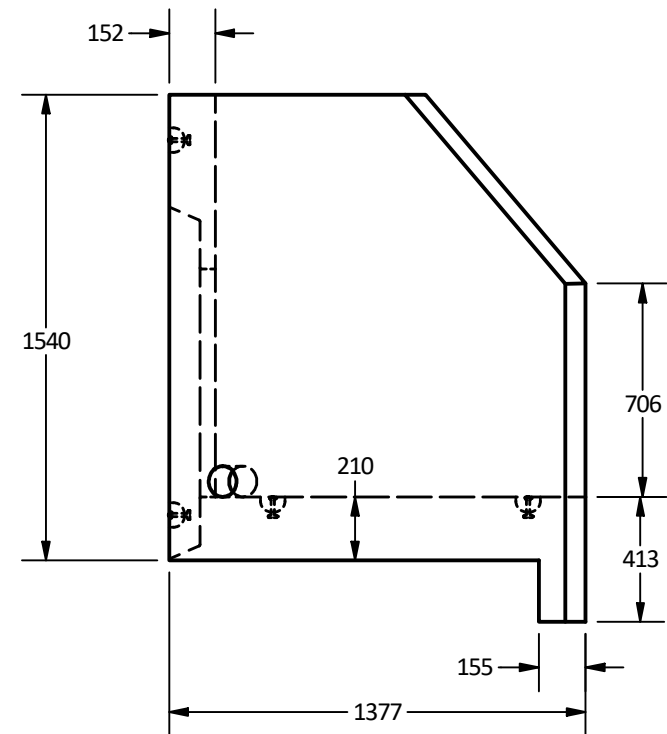
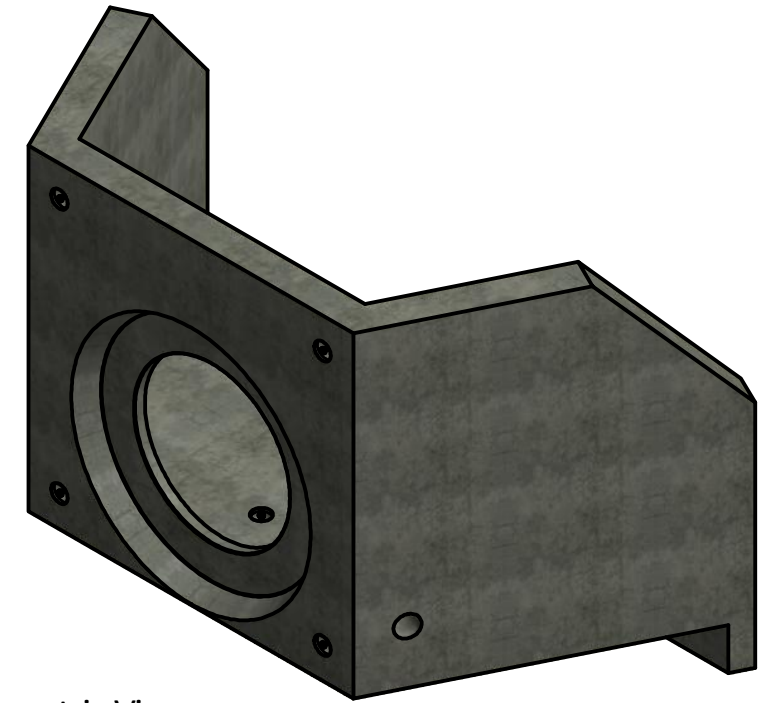
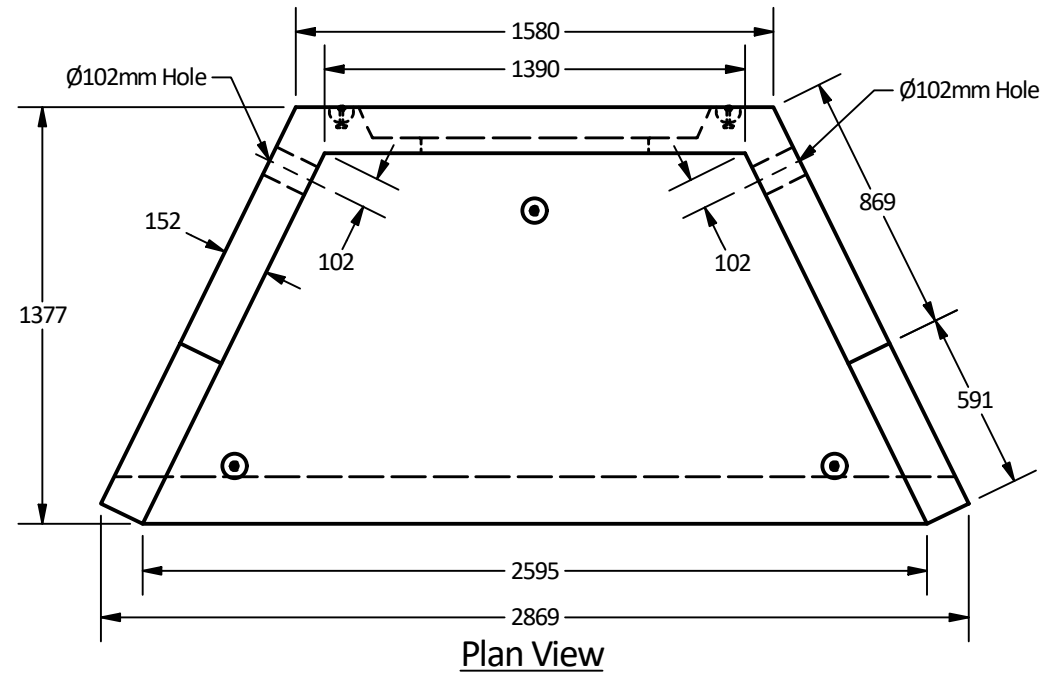
DESCRIPTION:

11-13 Headwall Structure
MOTI Specification

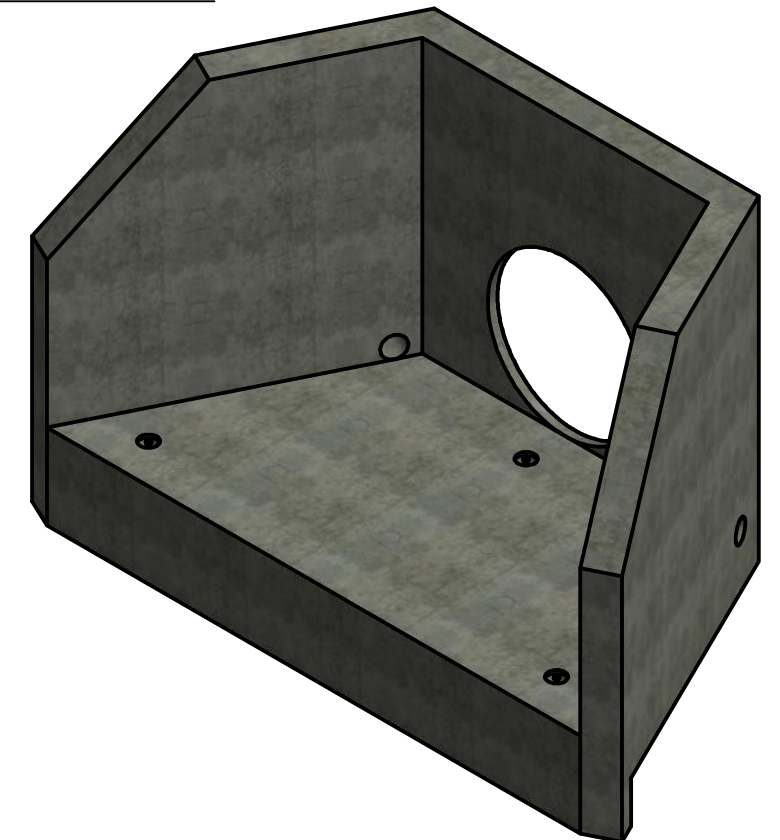
DRAWN BY:	BY	JOB NO.:	F
CHK BY:	KS	DWG NO.:	HW-11-13-1.0
DATE:	Jan.07, 2020		
SCALE:	1:25		
SIZE:	11 x 17	REV.:	
			SHEET 1 OF 1

PARTLIST			
ITEM	QTY	PART NUMBER	WEIGHT
1	1	Headwall	3,550kg.

- Notes:
- 14-15 Headwall is built as shown.
 - Unit supplied with rough core for inlet/outlet as shown.
 - Suggested core size to be maximum of 1200mm diameter.
 - Structure supplied with embedded threaded inserts for grills and handrails.
 - Bolt-on inlet/outlet grills and handrails are available upon request.
 - Unit supplied with lifting inserts as required.
 - Minimum rebar yield strength: 414 MPa.
 - Minimum concrete strength: 30 MPa.
 - All dimensions are in millimeters.



Isometric View



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DESCRIPTION:

14-15 Headwall Structure
MOTI Specification

DRAWN BY:

BY

JOB NO.

CHK BY:

KS

DWG NO:

HW-14-15

DATE:

Jan.07, 2020

SCALE:

1:25

SIZE

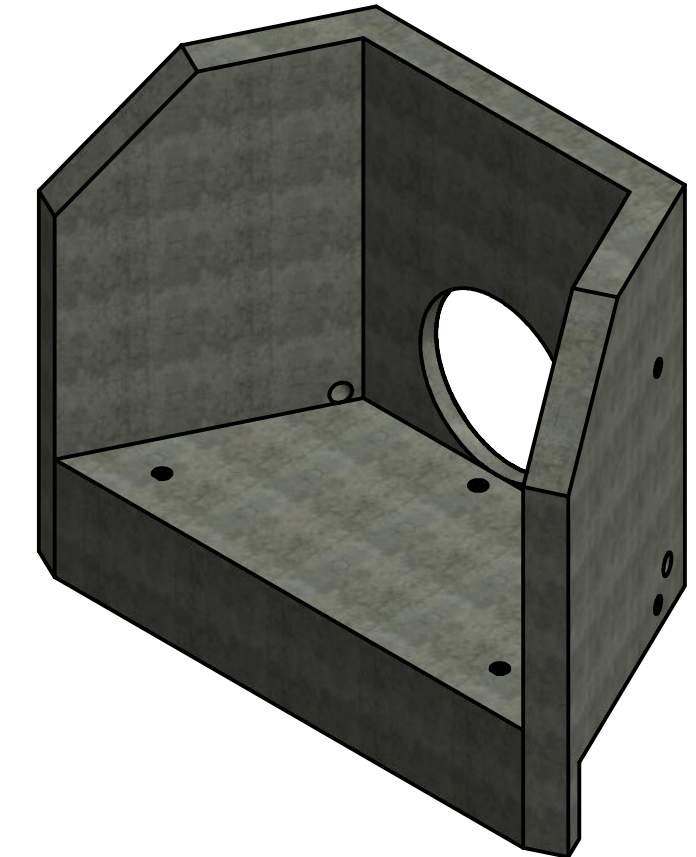
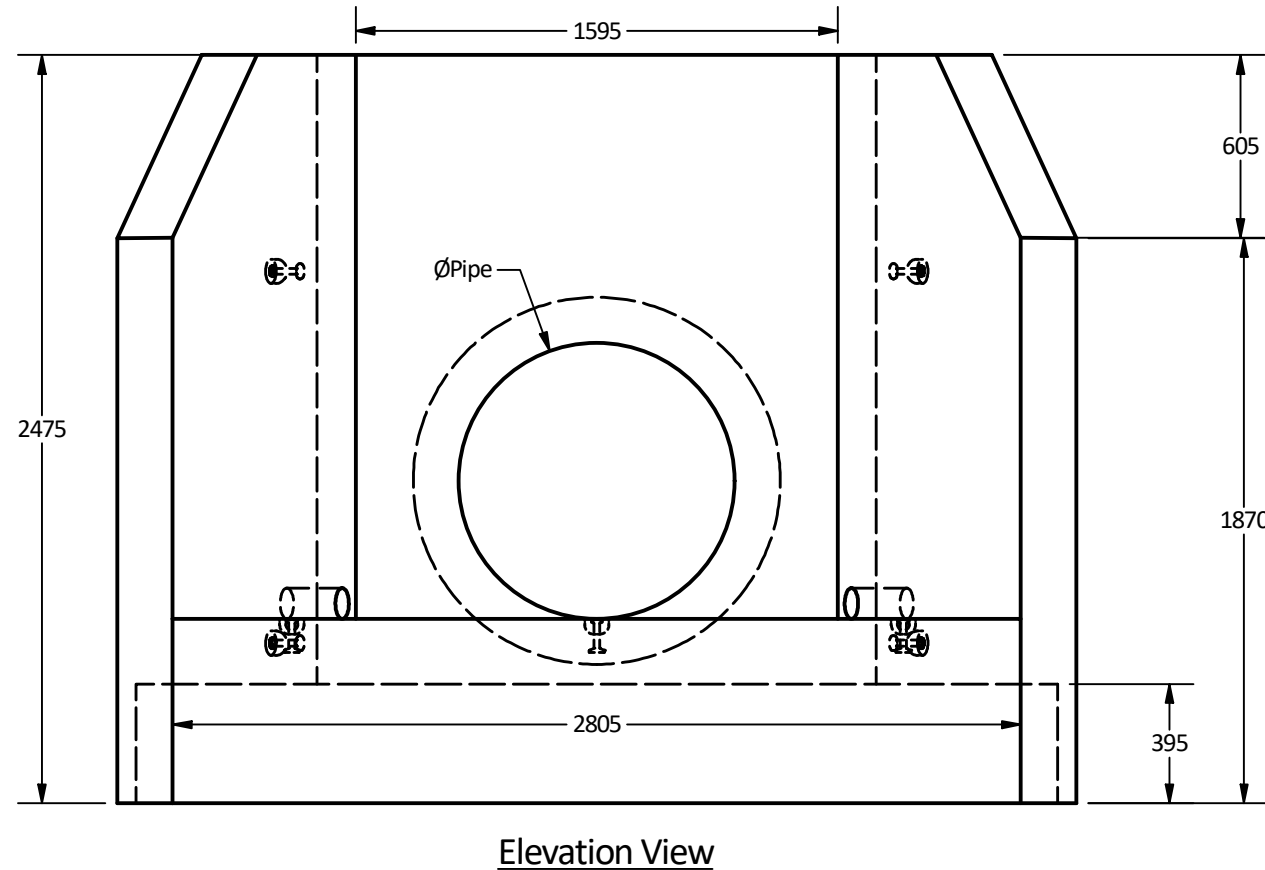
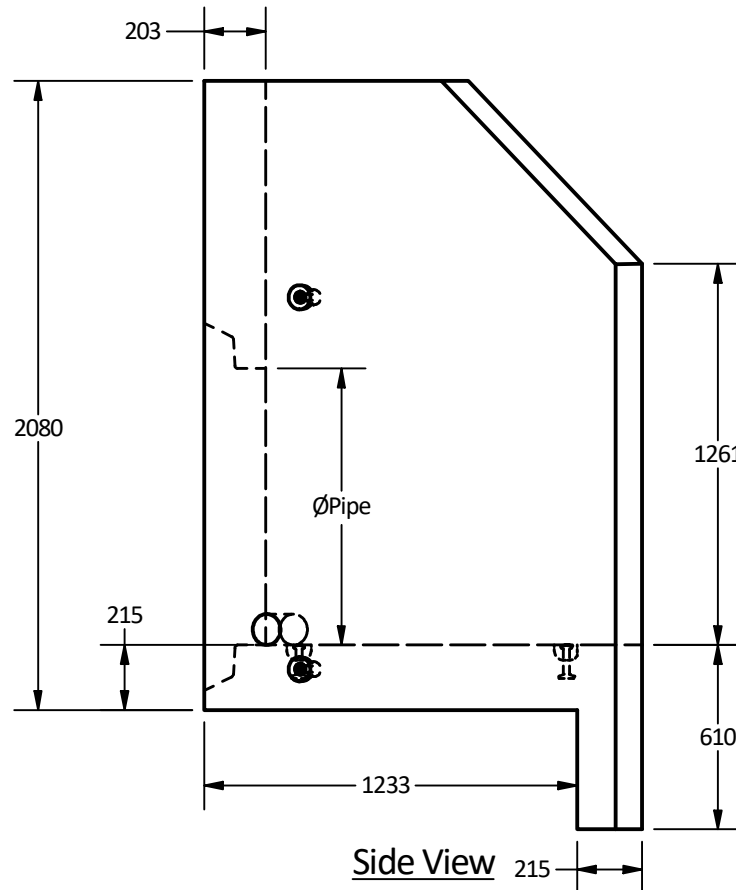
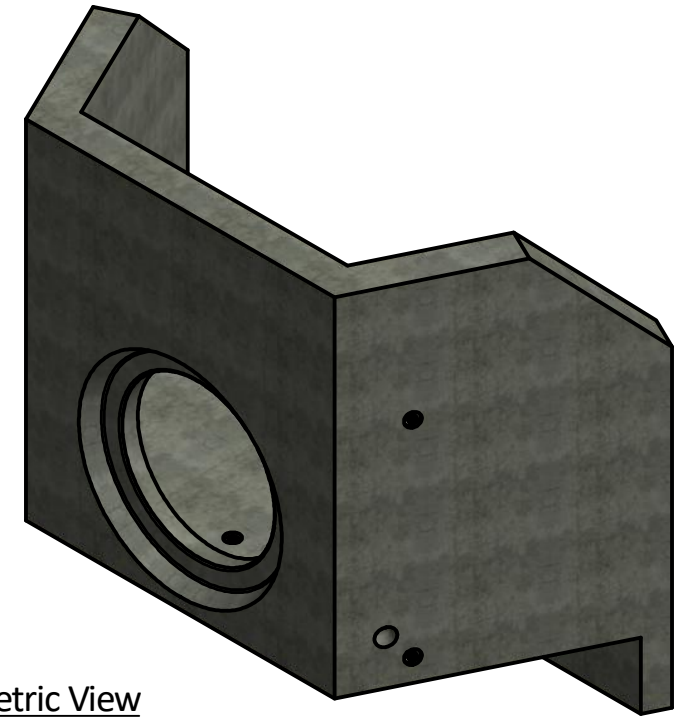
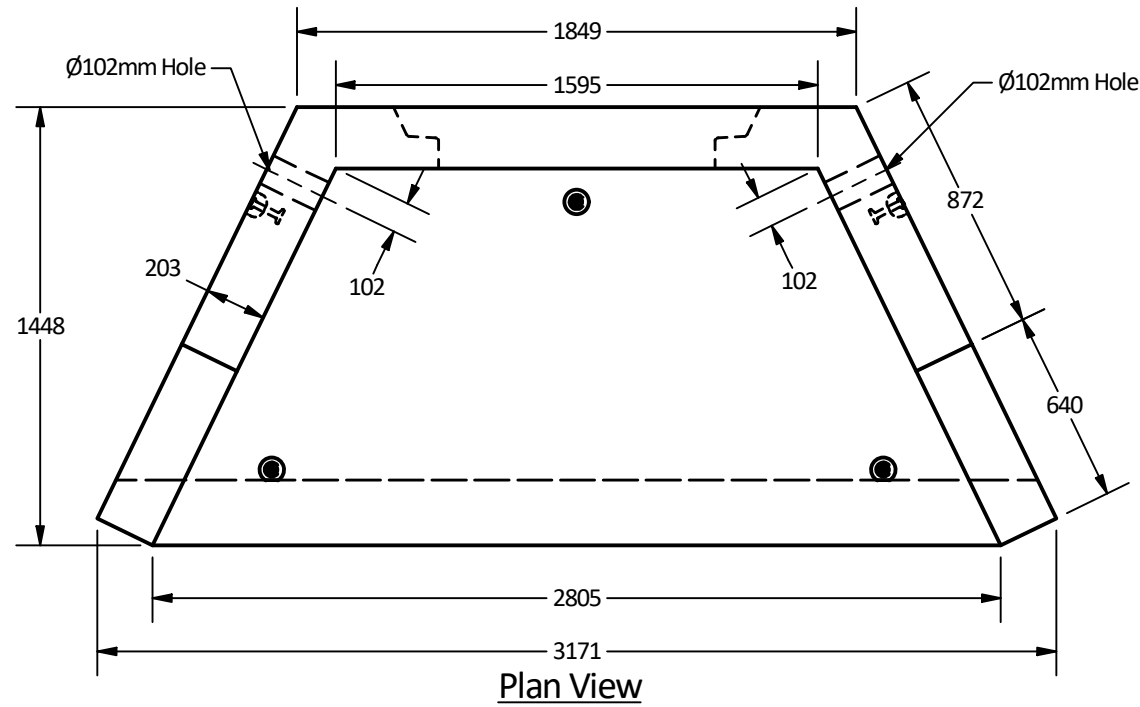
11 x 17

REV.

SHEET 1 OF 1

PARTLIST			
ITEM	QTY	PART NUMBER	WEIGHT
1	1	Headwall	6,300 kg.

- Notes:
1. 16-20 Headwall is built as shown.
 2. Unit supplied with rough core for inlet/outlet as shown.
 3. Suggested core size to be maximum of 1400mm diameter.
 4. Structure supplied with embedded threaded inserts for grills and handrails.
 5. Bolt-on inlet/outlet grills and handrails are available upon request.
 6. Unit supplied with lifting inserts as required.
 7. Minimum rebar yield strength: 414 MPa.
 8. Minimum concrete strength: 30 MPa.
 9. All dimensions are in millimeters.



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CHILLIWACK 1-800 667-9600

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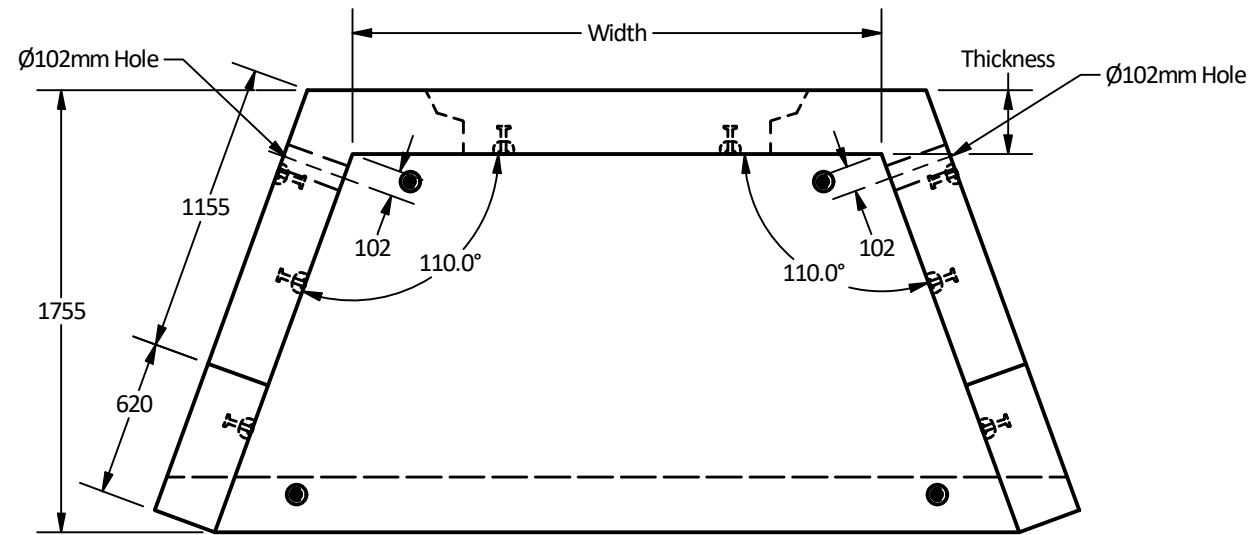
DESCRIPTION:

16-20 Headwall Structure
MOTI Specification

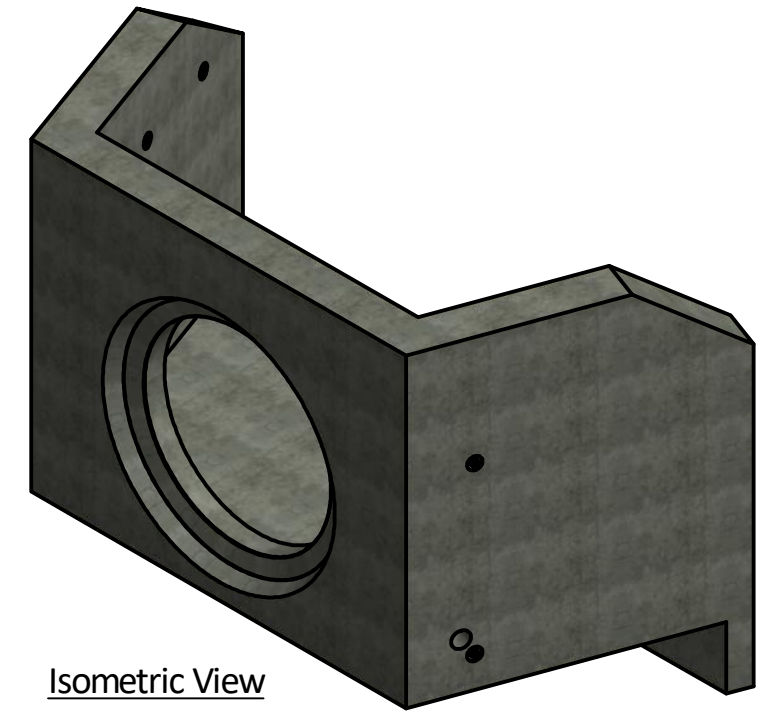
DRAWN BY:	BY	JOB NO.
CHK BY:	KS	DWG NO:
DATE:	Jan.07, 2020	HW-16-20-1.0
SCALE:	1:25	
SIZE:	11 x 17	REV.
		SHEET 1 OF 1

'HEADWALL MAX' SERIES				
Span x Height (m)	Width (m)	Max. Height (m)	Thickness (m)	Weight (kg)
2.1-3.7	2.1	3.7	0.254	15,465
2.6-3.7	2.6	3.7	0.254	17,185
3.1-3.7	3.1	3.7	0.254	18,910
3.6-3.7	3.6	3.7	0.254	20,635
4.1-3.7	4.1	3.7	0.254	22,365
4.6-3.7	4.6	3.7	0.254	24,085
5.1-3.7	5.1	3.7	0.254	25,815

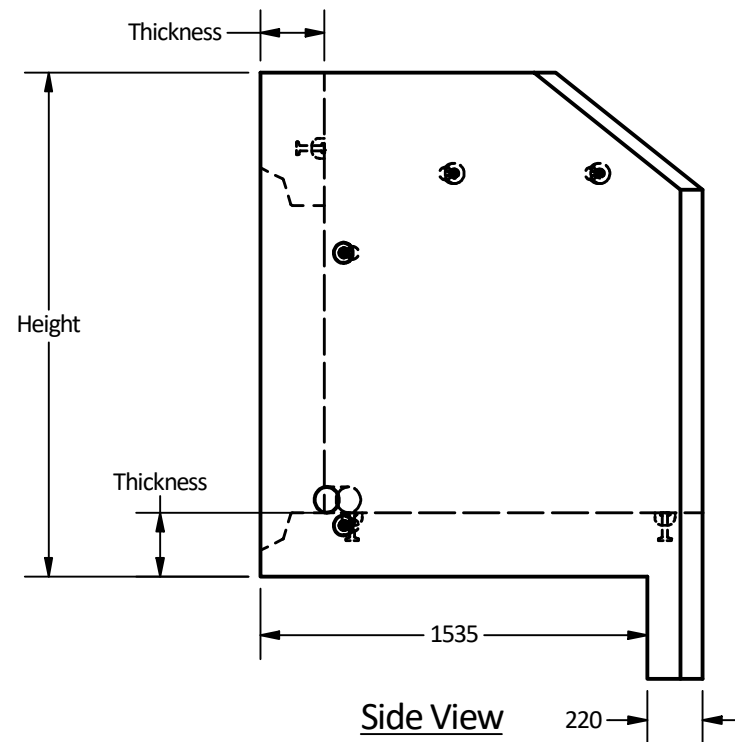
- Notes:
- 'Headwall Max' adjustable large headwall to be built as shown.
 - Backwall height can be manufactured to varying heights as required to suit jobsite conditions. (Maximum 3.7m)
 - Unit will be supplied with openings to accept various size of inlet/outlet pipe, box culvert & other required openings, contact LCG sales department for more details.
 - Structure supplied with embedded threaded inserts for grills and handrails.
 - Bolt-on inlet/outlet grills and handrails are available upon request.
 - Unit supplied with lifting inserts as required.
 - Approximate mass: As shown on the table.
 - Minimum rebar yield strength: 414 MPa.
 - Minimum concrete strength: 35 MPa.
 - All dimensions are in millimeters.



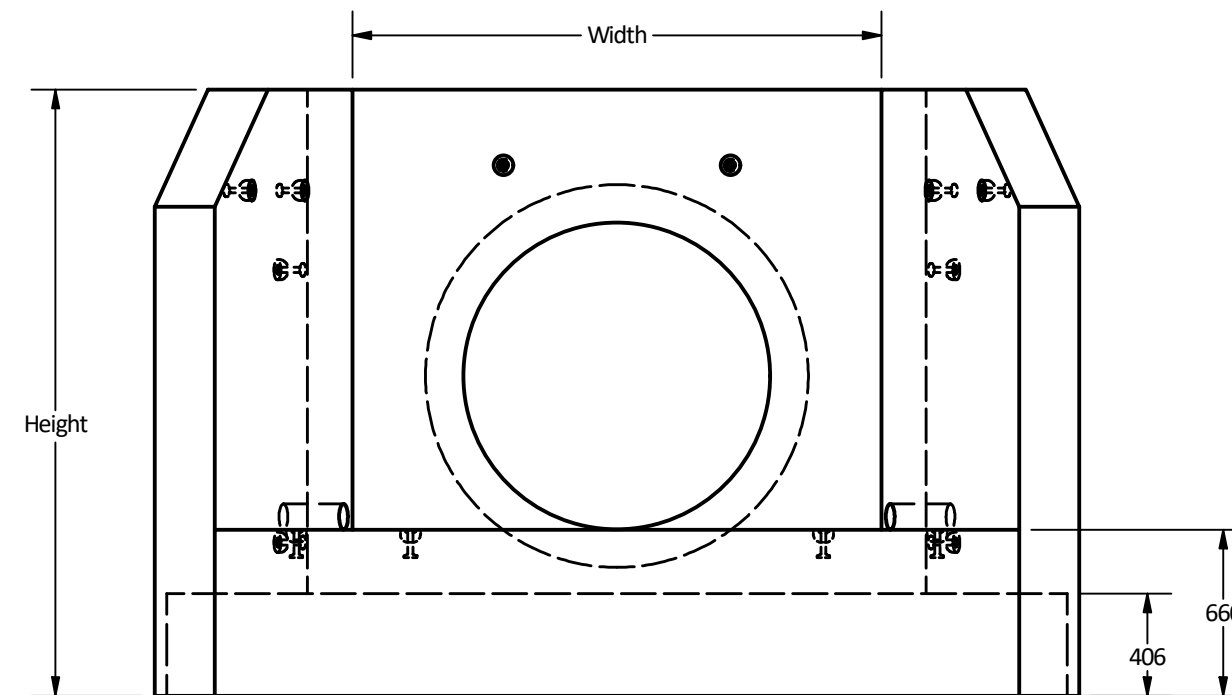
Plan View



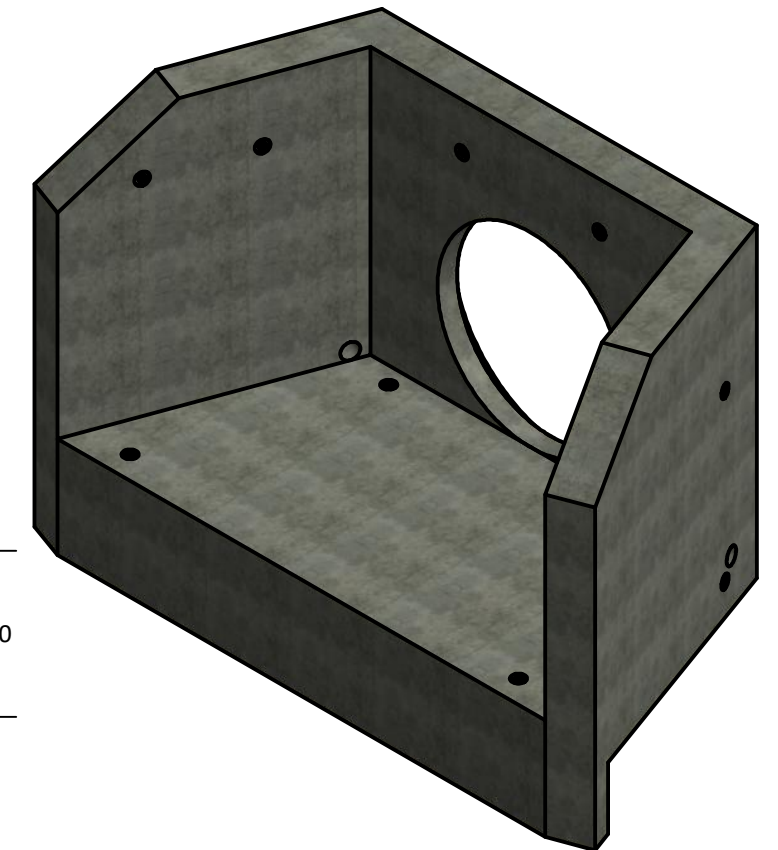
Isometric View



Side View



Elevation View



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Projection Method: THIRD ANGLE



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DESCRIPTION:

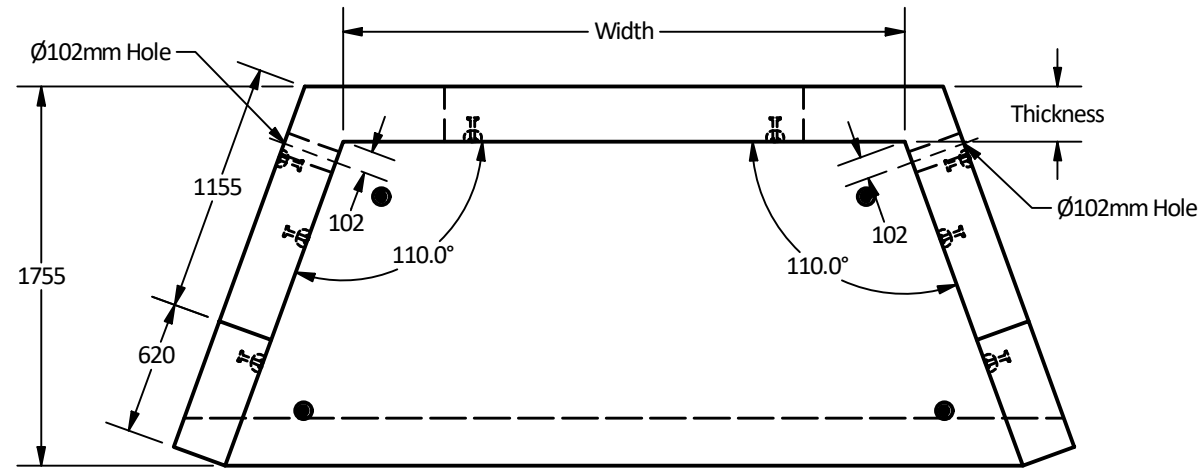
Headwall Max Series
Adjustable Large Headwall
Standard Drawing
MOTI Specification

DRAWN BY: BY	JOB NO.
CHK BY: KS	DWG NO: HW-Max
DATE: Jan.07, 2020	
SCALE: 1:30	
SIZE 11 x 17	REV.
	SHEET 1 OF 1

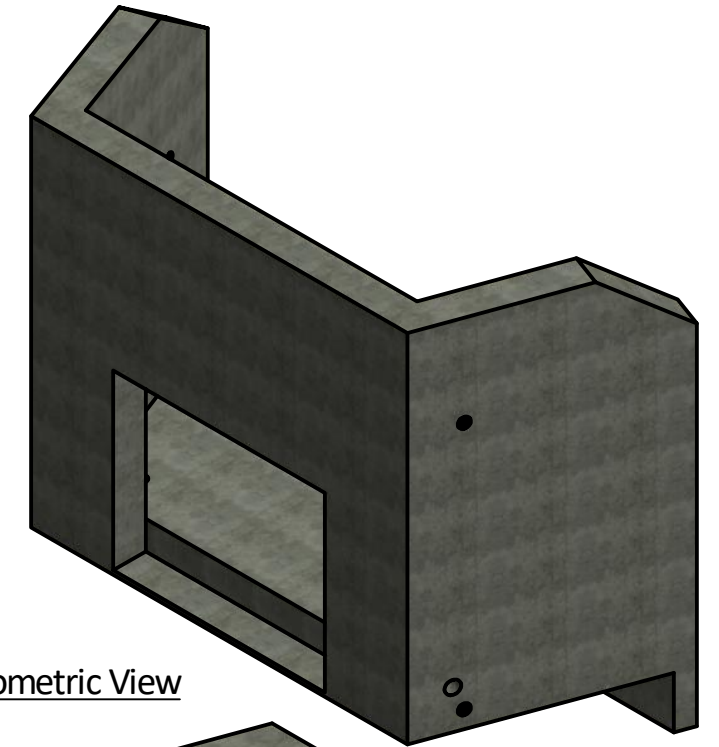
'HEADWALL MAX' SERIES				
Span x Height (m)	Width (m)	Max. Height (m)	Thickness (m)	Weight (kg)
2.1-3.7	2.1	3.7	0.254	15,465
2.6-3.7	2.6	3.7	0.254	17,185
3.1-3.7	3.1	3.7	0.254	18,910
3.6-3.7	3.6	3.7	0.254	20,635
4.1-3.7	4.1	3.7	0.254	22,365
4.6-3.7	4.6	3.7	0.254	24,085
5.1-3.7	5.1	3.7	0.254	25,815

Notes:

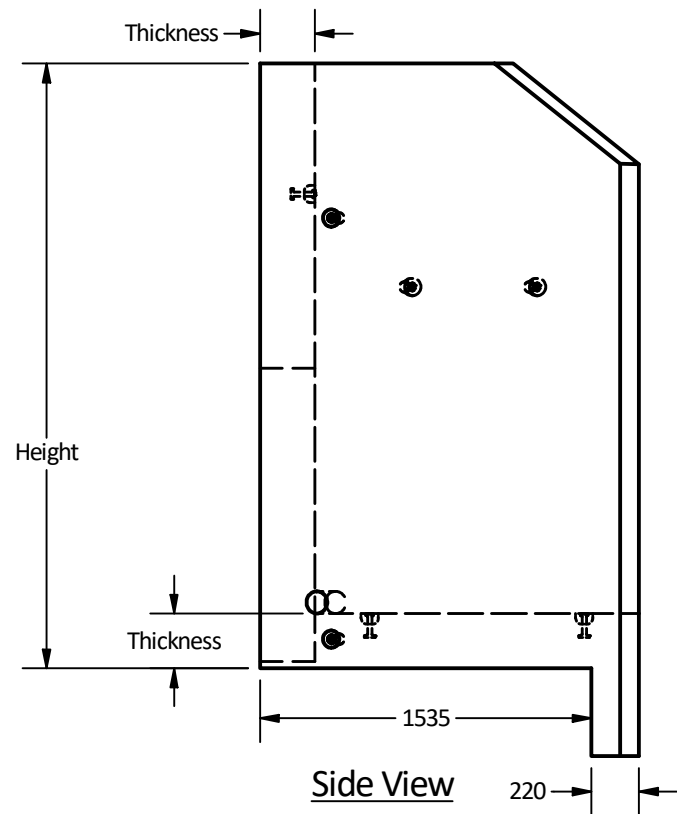
- 'Headwall Max' adjustable large headwall to be built as shown.
- Backwall height can be manufactured to varying heights as required to suit jobsite conditions. (Maximum 3.7m)
- Unit will be supplied with openings to accept various size of inlet/outlet pipe, box culvert & other required openings, contact LCG sales department for more details.
- Structure supplied with embedded threaded inserts for grills and handrails.
- Bolt-on inlet/outlet grills and handrails are available upon request.
- Unit supplied with lifting inserts as required.
- Approximate mass: As shown on the table.
- Minimum rebar yield strength: 414 MPa.
- Minimum concrete strength: 35 MPa.
- All dimensions are in millimeters.



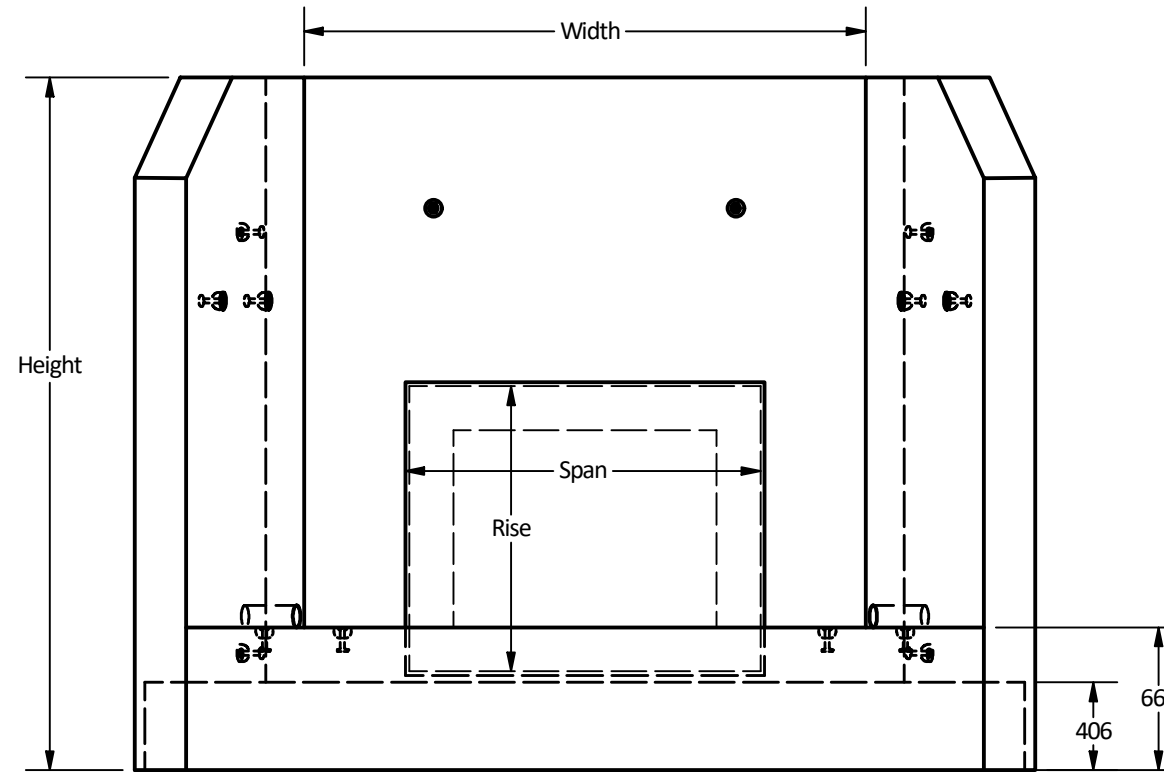
Plan View



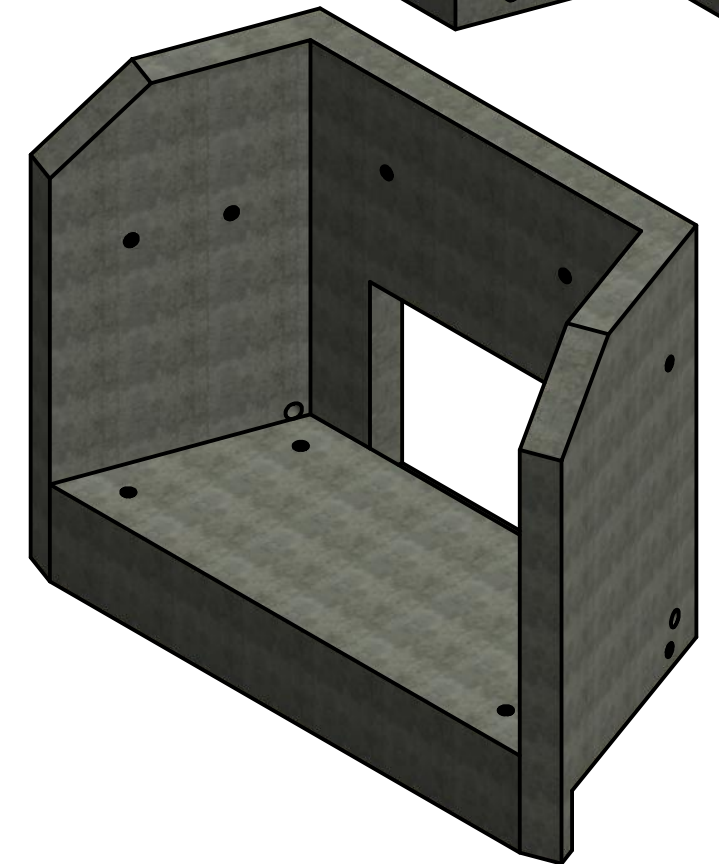
Isometric View



Side View



Elevation View



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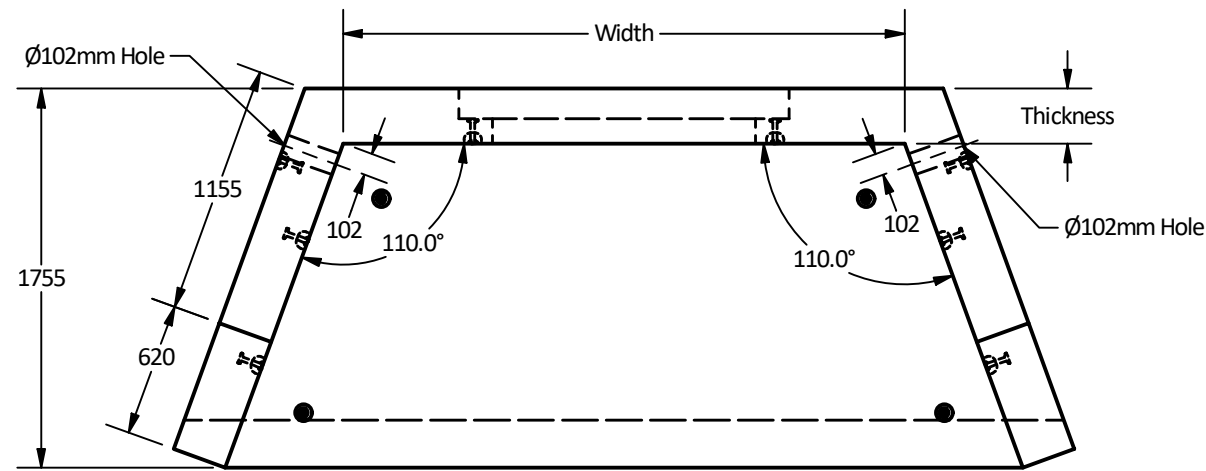
DESCRIPTION:

Headwall Max Series
with Opening for Box Culvert
MOTI Specification

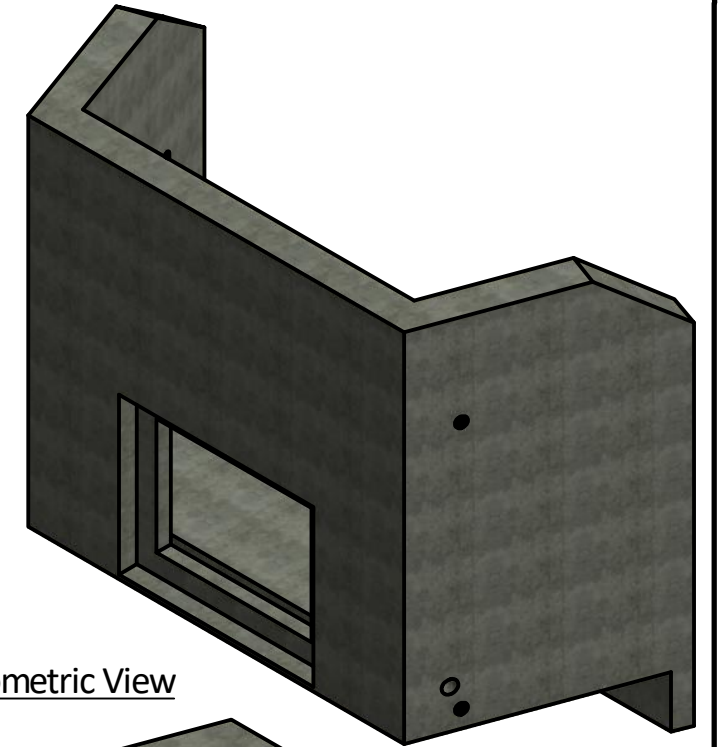
DRAWN BY:	BY	JOB NO.
CHK BY:	KS	DWG NO:
DATE:	Jan.08, 2020	HW-Max-BCO
SCALE:	1:35	
SIZE:	11 x 17	REV.
		SHEET 1 OF 1

'HEADWALL MAX' SERIES				
Span x Height (m)	Width (m)	Max. Height (m)	Thickness (m)	Weight (kg)
2.1-3.7	2.1	3.7	0.254	15,465
2.6-3.7	2.6	3.7	0.254	17,185
3.1-3.7	3.1	3.7	0.254	18,910
3.6-3.7	3.6	3.7	0.254	20,635
4.1-3.7	4.1	3.7	0.254	22,365
4.6-3.7	4.6	3.7	0.254	24,085
5.1-3.7	5.1	3.7	0.254	25,815

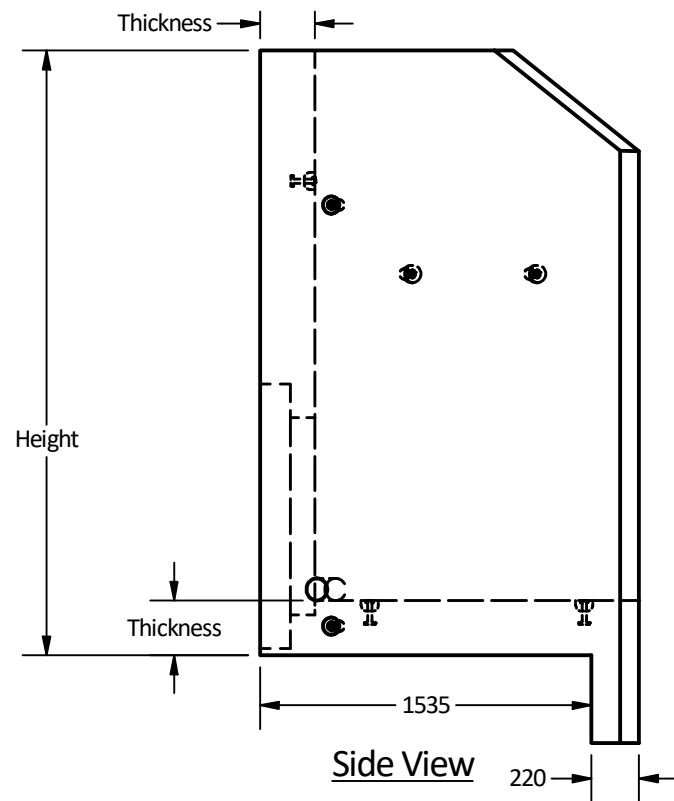
- Notes:
- 'Headwall Max' adjustable large headwall to be built as shown.
 - Backwall height can be manufactured to varying heights as required to suit jobsite conditions. (Maximum 3.7m)
 - Unit will be supplied with openings to accept various size of inlet/outlet pipe, box culvert & other required openings, contact LCG sales department for more details.
 - Structure supplied with embedded threaded inserts for grills and handrails.
 - Bolt-on inlet/outlet grills and handrails are available upon request.
 - Unit supplied with lifting inserts as required.
 - Approximate mass: As shown on the table.
 - Minimum rebar yield strength: 414 MPa.
 - Minimum concrete strength: 35 MPa.
 - All dimensions are in millimeters.



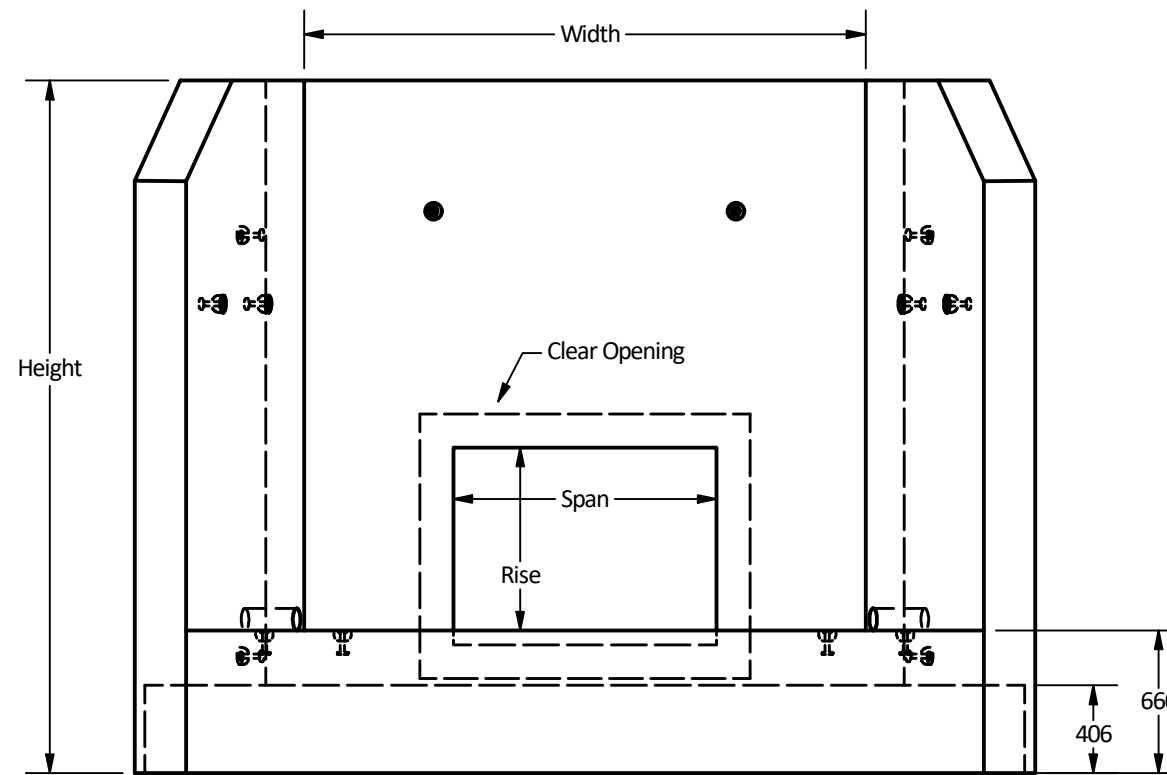
Plan View



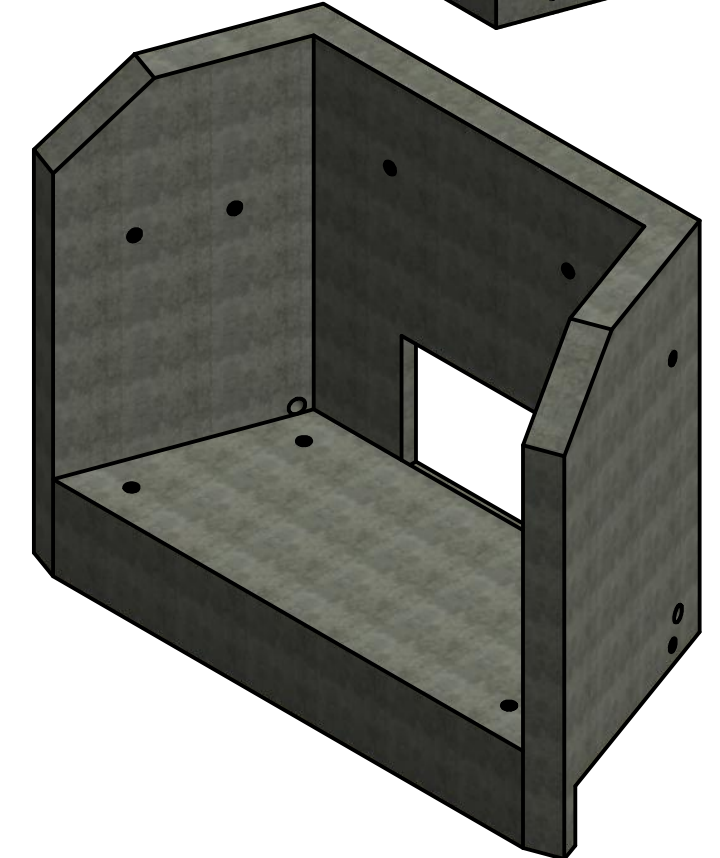
Isometric View



Side View



Elevation View



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DESCRIPTION:

Headwall Max Series
with Opening for Box Culvert
(outlet)
MOTI Specification

DRAWN BY: BY	JOB NO.
CHK BY: KS	DWG NO: HW-Max-BCO-OUT
DATE: Jan.08, 2020	
SCALE: 1:35	
SIZE 11 x 17	REV.
	SHEET 1 OF 1