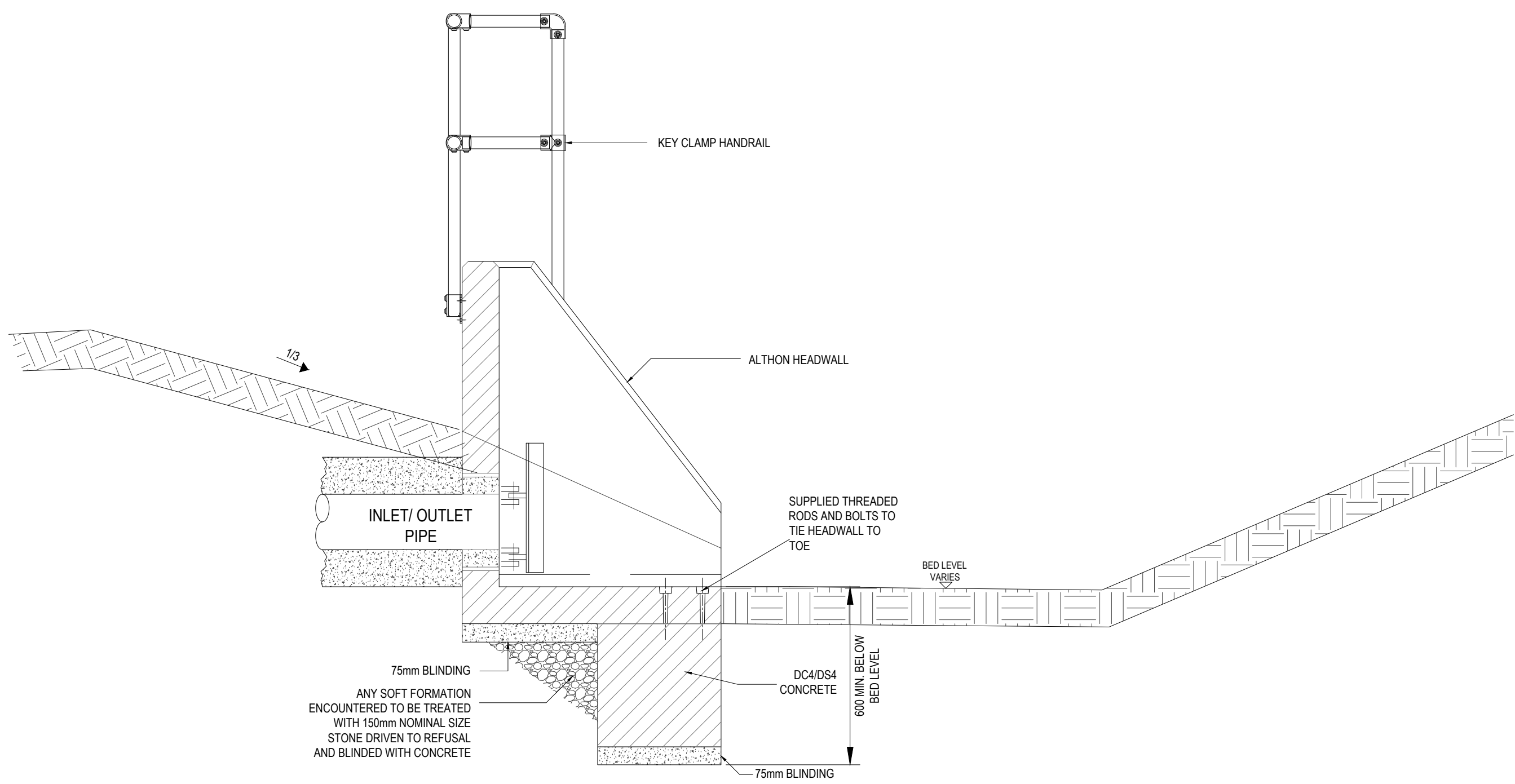
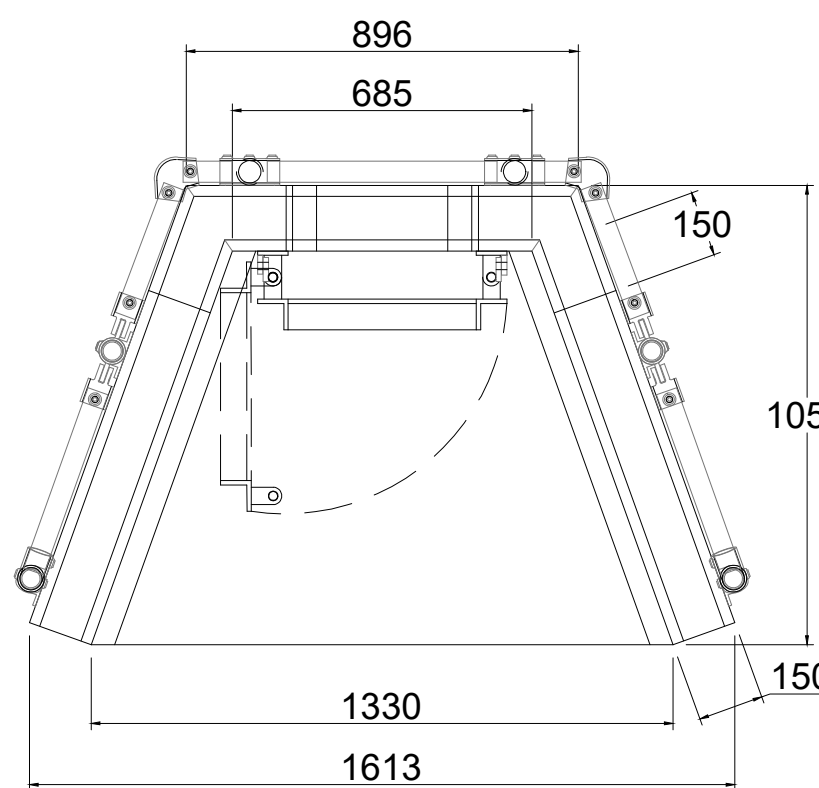
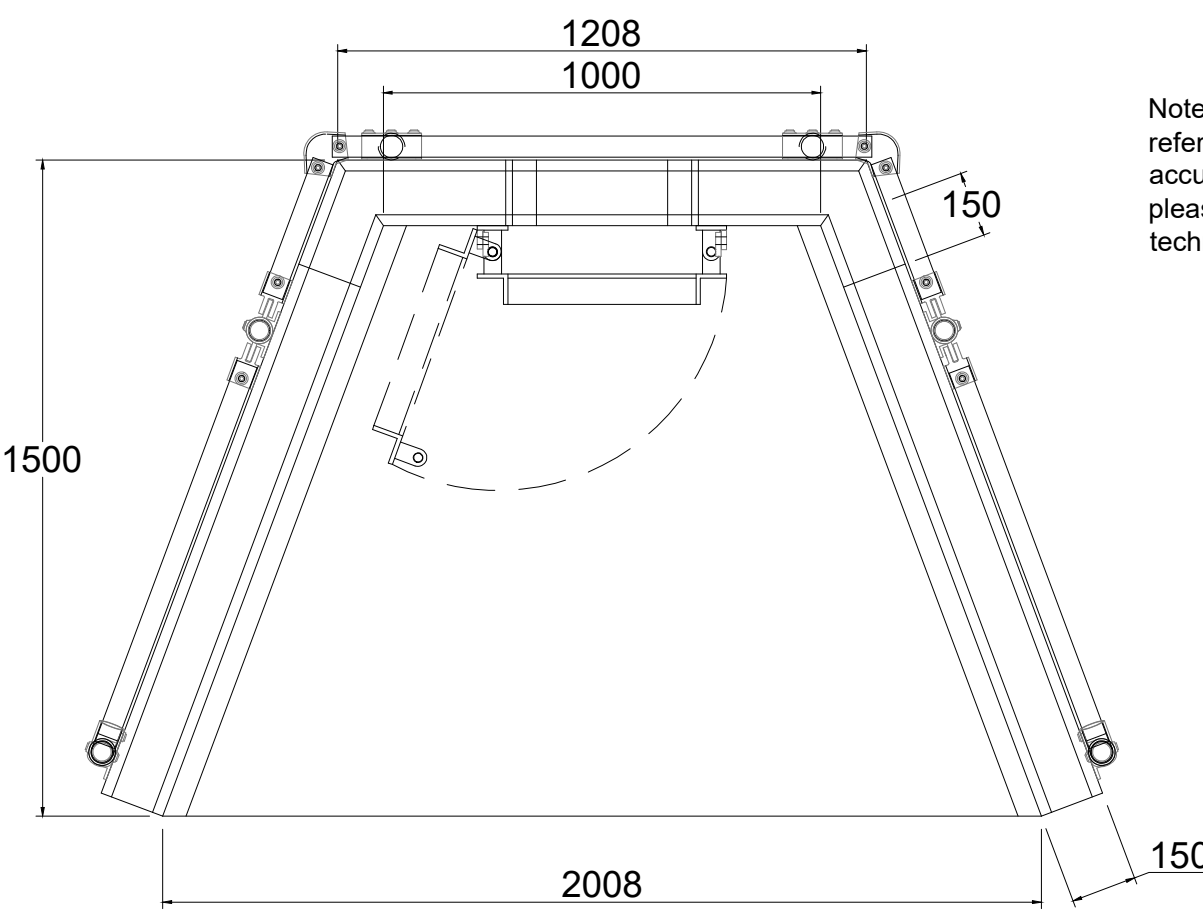
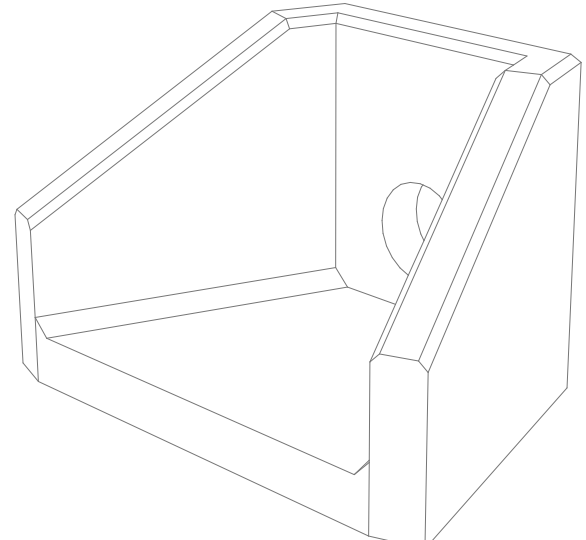




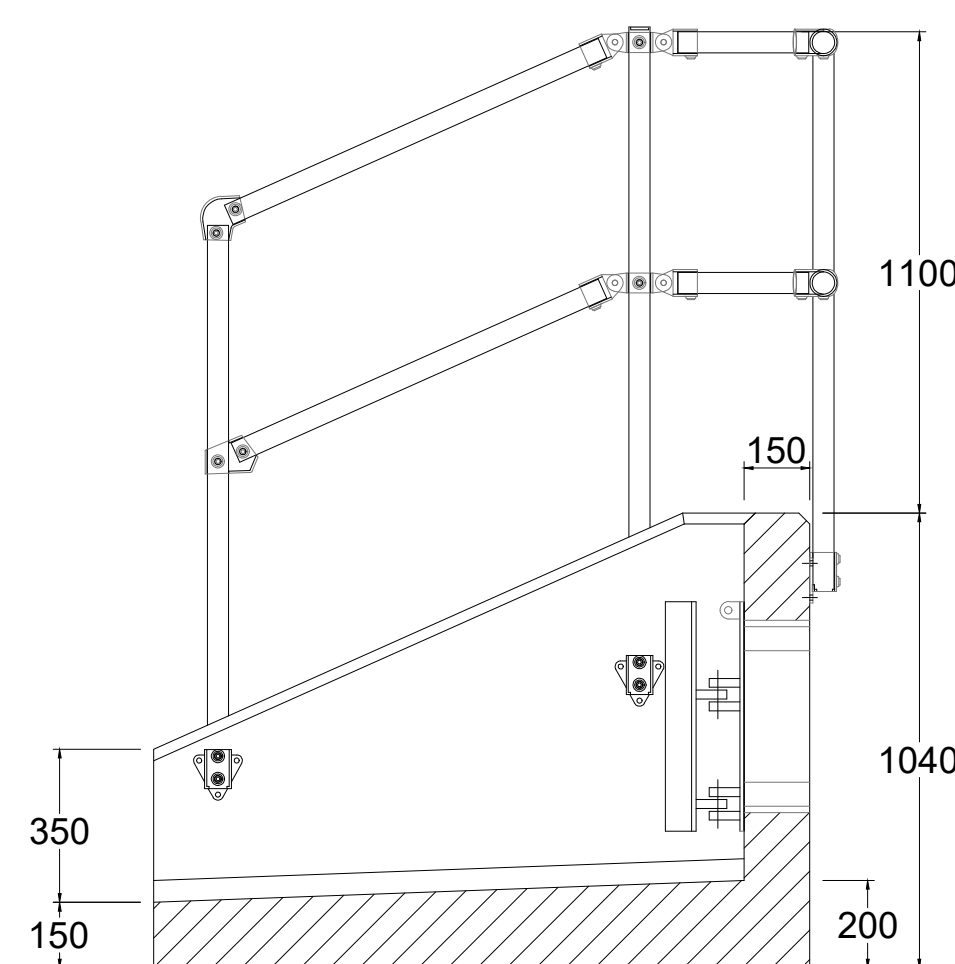
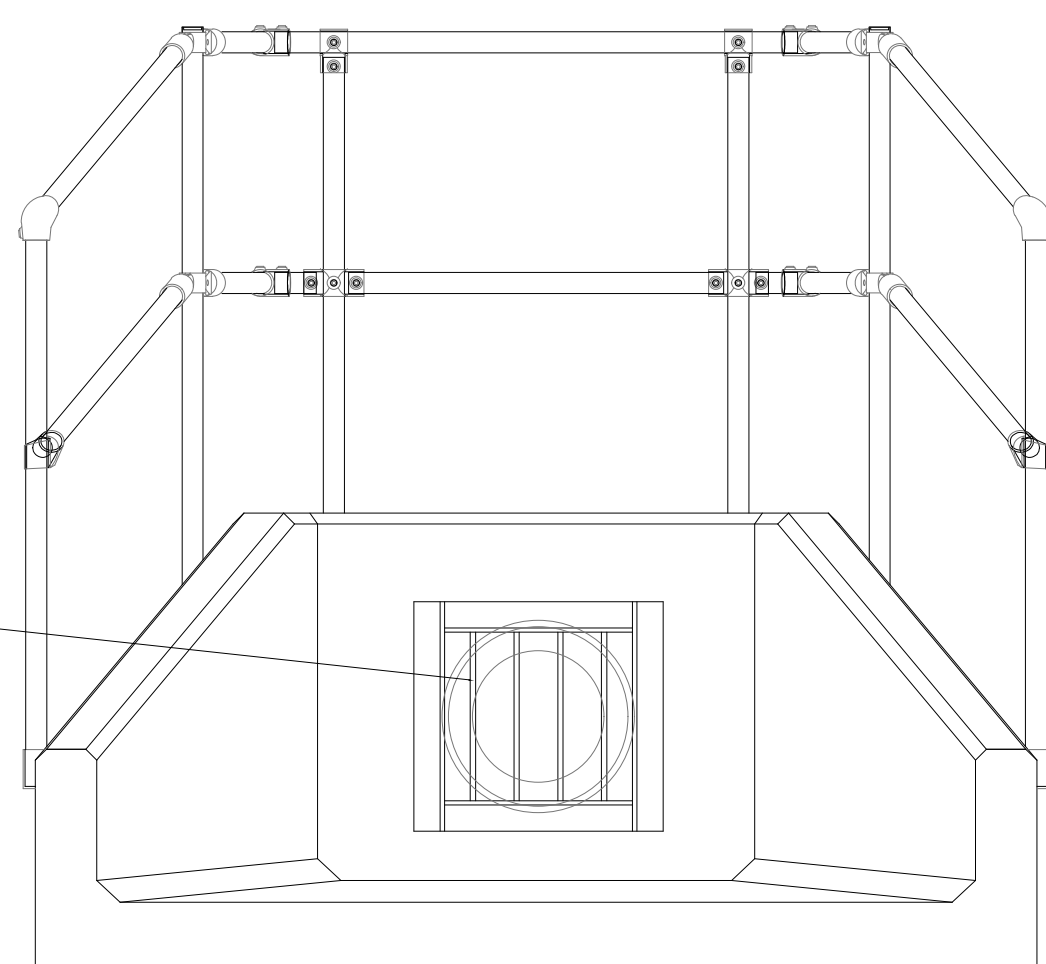
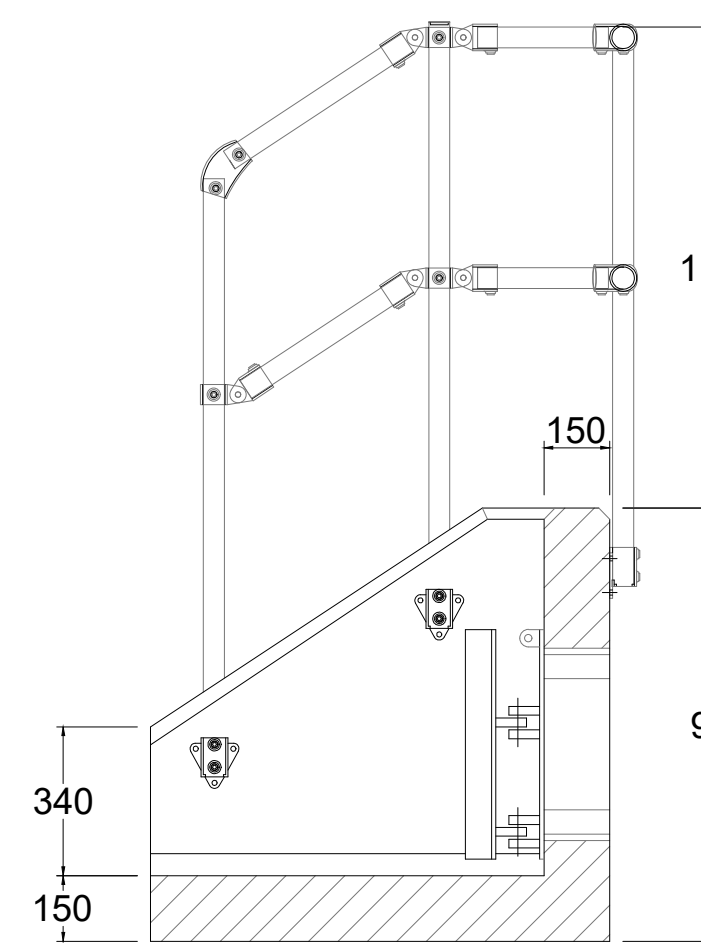
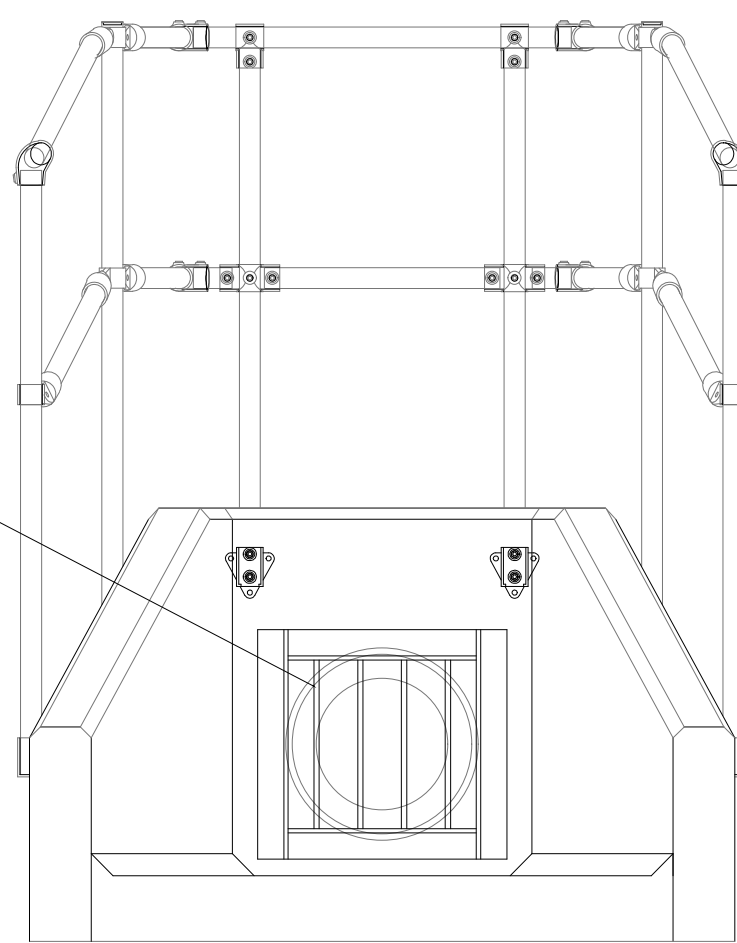
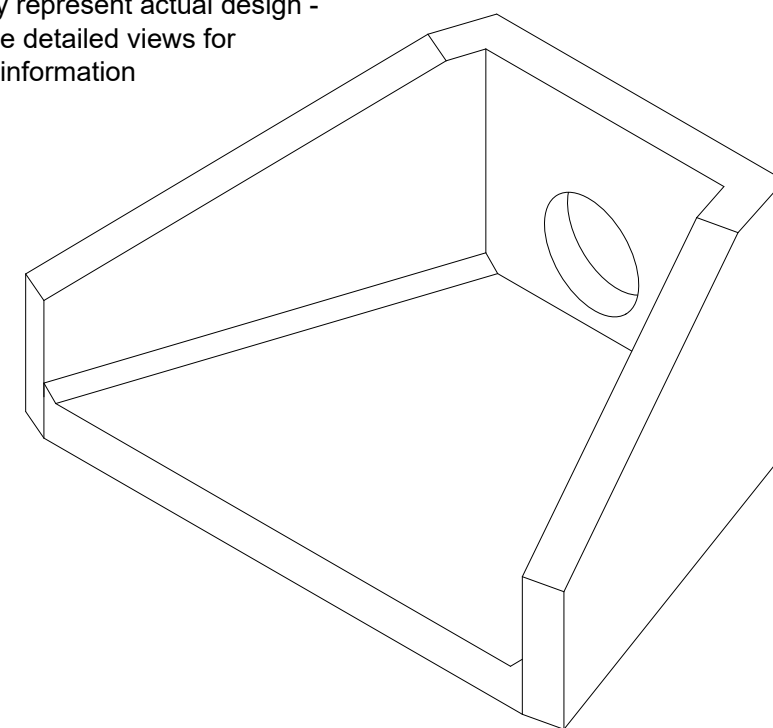
HEADWALL CONSTRUCTION DETAILS
(SCALE 1:20)



Note: Isometric drawing is for reference only, details may not accurately represent actual design - please see detailed views for technical information

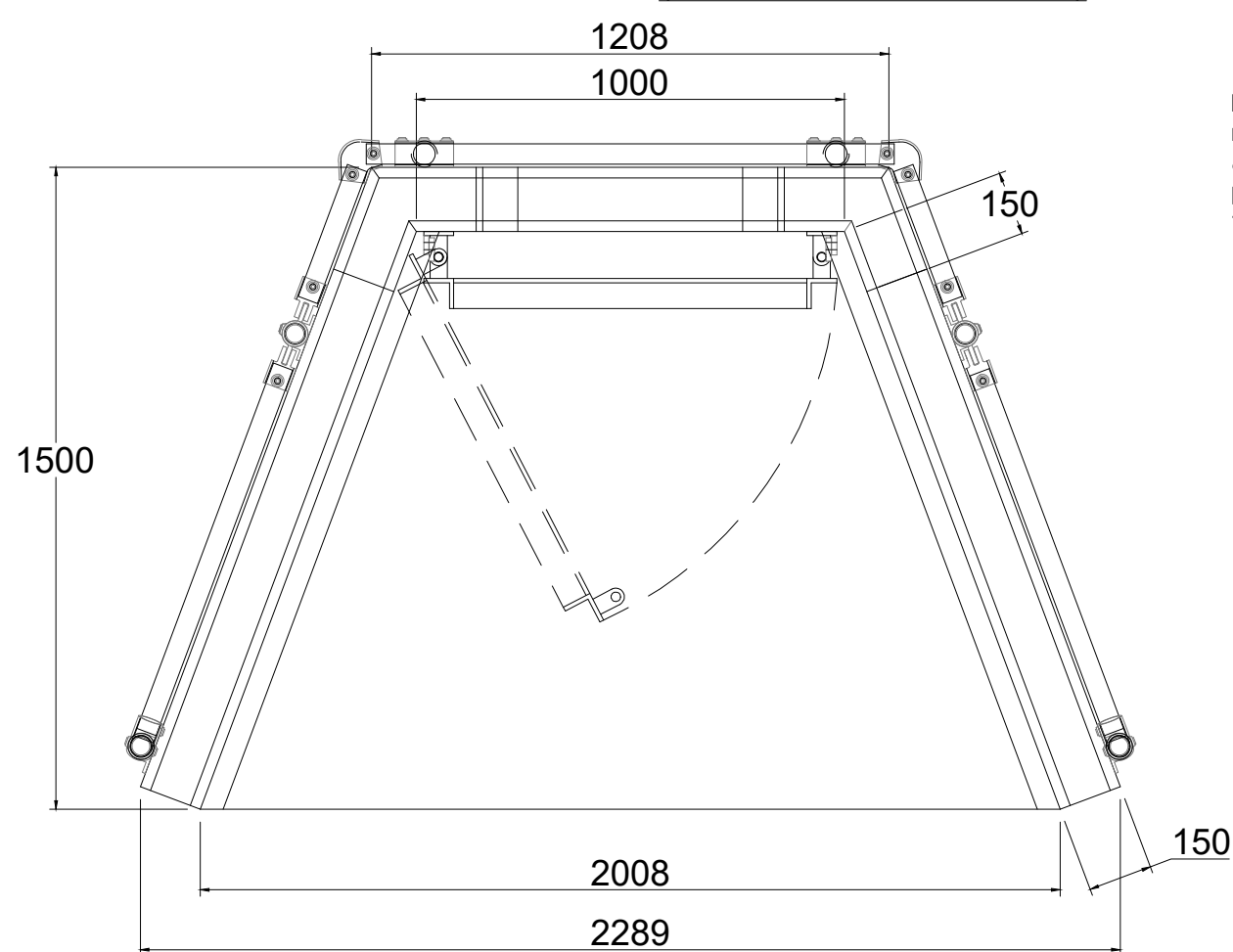


Note: Isometric drawing is for reference only, details may not accurately represent actual design - please see detailed views for technical information

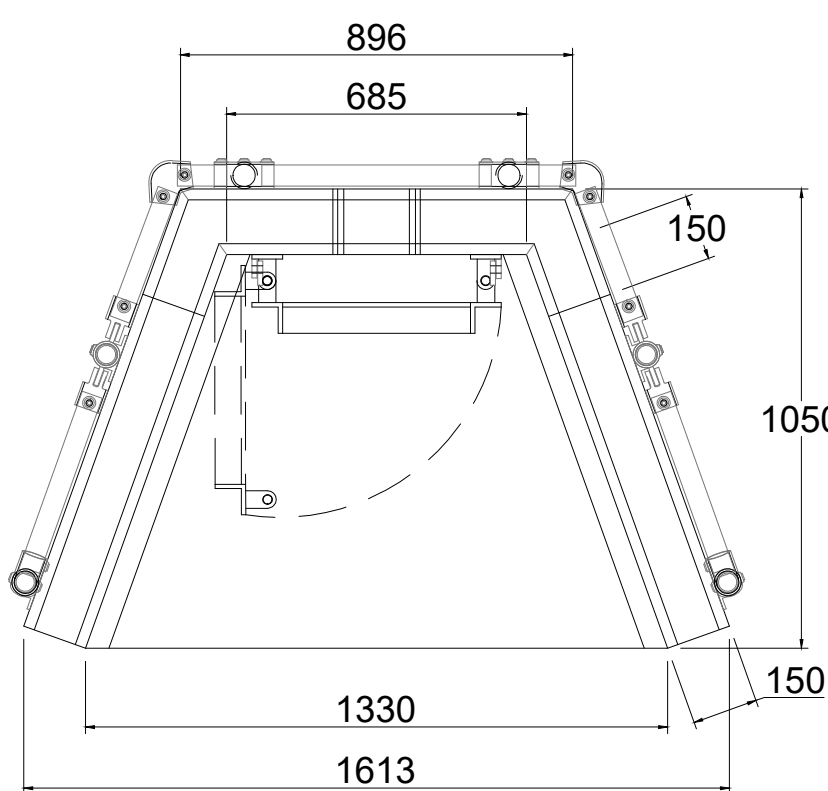
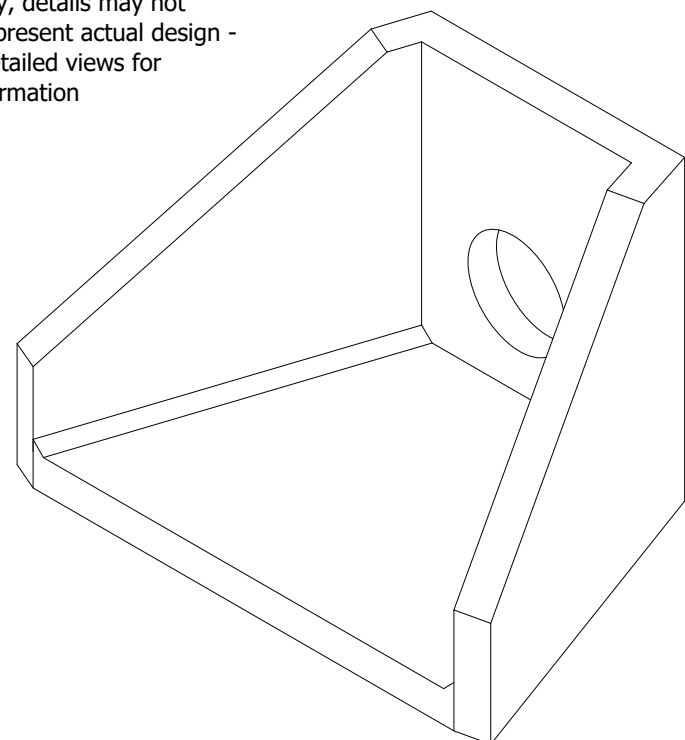


HEADWALL SFA6 B + SFA1 300 OUTFALL SAFETY GRILLE
(UP TO 300mm PIPE SIZE)

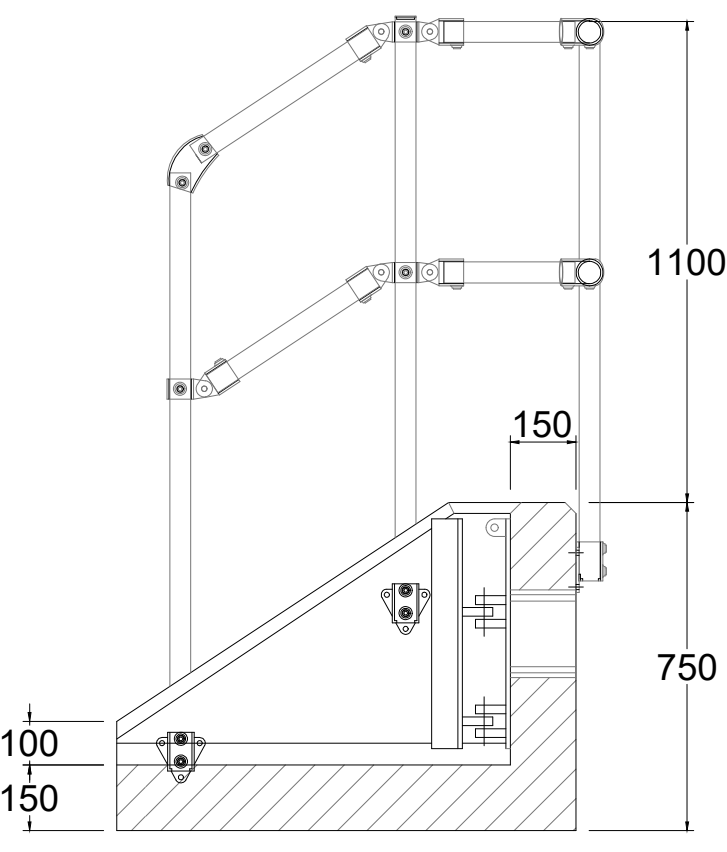
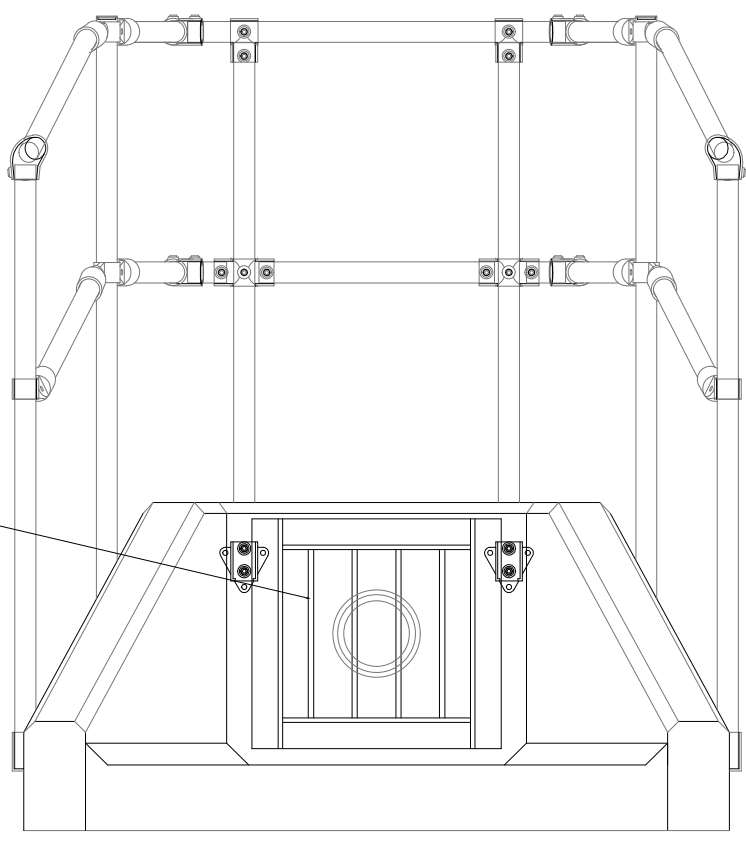
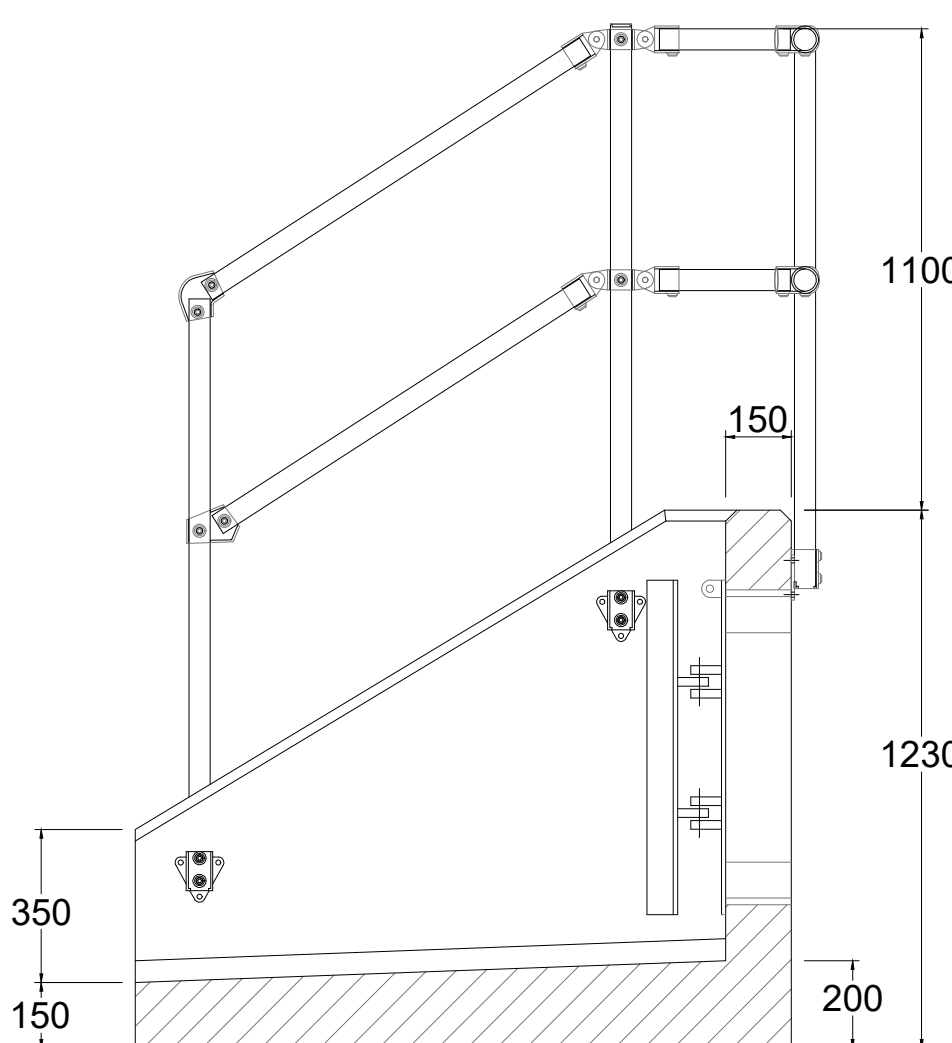
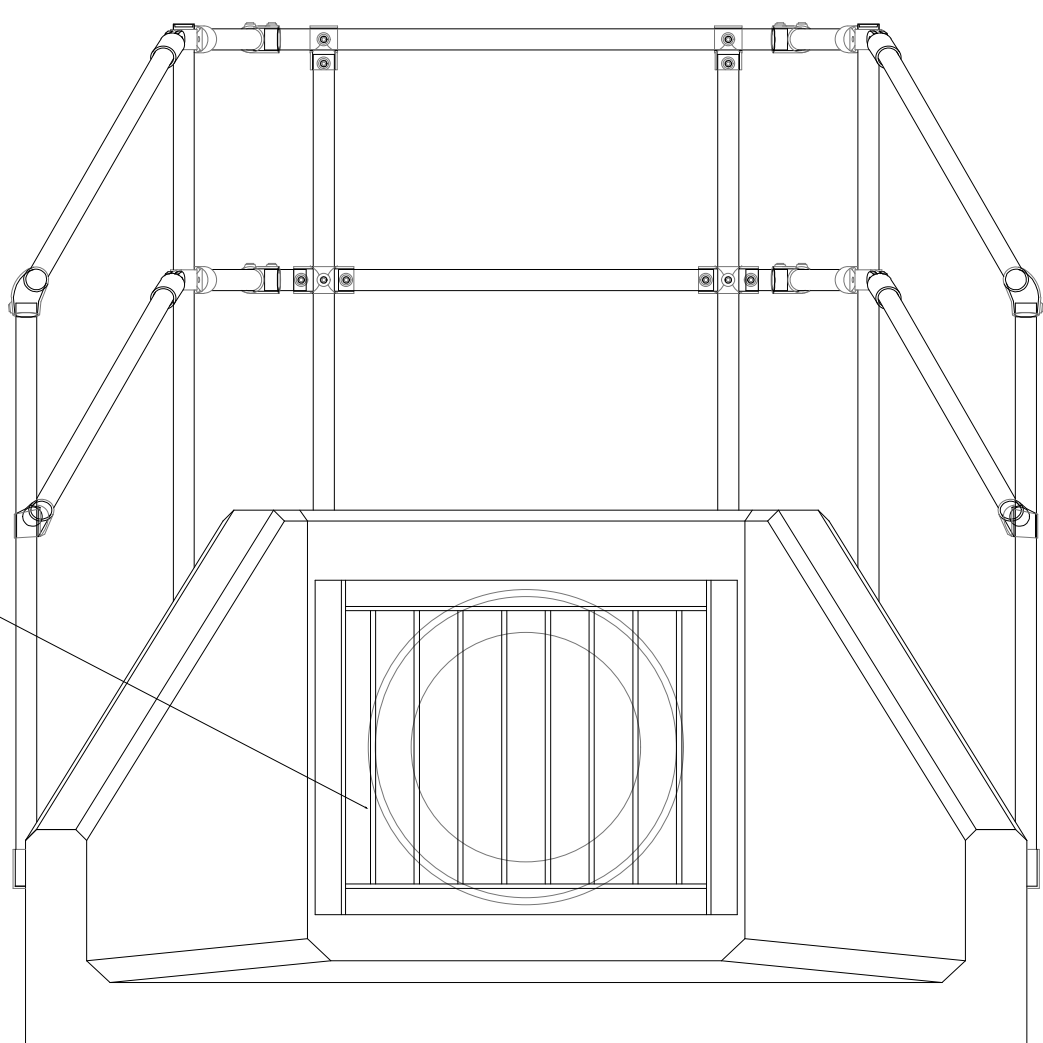
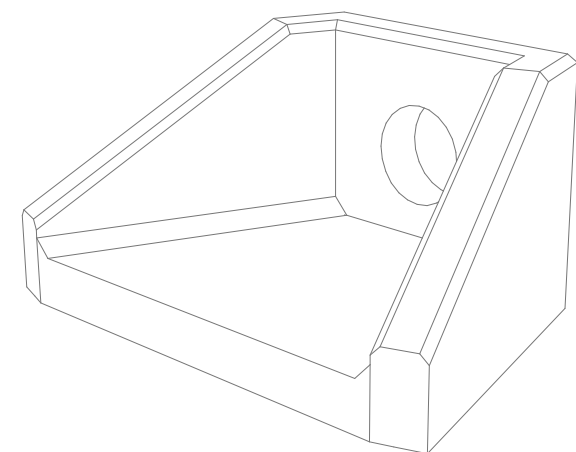
HEADWALL SFA10 B + SFA1 375 OUTFALL SAFETY GRILLE
(UP TO 500mm PIPE SIZE)



Note: Isometric drawing is for reference only, details may not accurately represent actual design - please see detailed views for technical information



Note: Isometric drawing is for reference only, details may not accurately represent actual design - please see detailed views for technical information



HEADWALL SFA10 C + SFA1 525 OUTFALL SAFETY GRILLE
(UP TO 600mm PIPE SIZE)

HEADWALL SFA6 A + SFA1 300 OUTFALL SAFETY GRILLE
(UP TO 225mm PIPE SIZE)

TOP OF HEADWALL LEVEL (VARIES) 150mm ABOVE THE SURROUNDING GROUND LEVEL (VARIES)

PIPE INVERT LEVEL = VARIES (SEE DRAINAGE DRAWINGS)

POSITION OF PROPOSED HEADWALL OF SURFACE WATER OUTFALL FROM DEVELOPMENT INTO EXISTING WATERCOURSES.

FOR FULL FIXING INFORMATION REFER TO MANUFACTURERS INSTALLATION GUIDELINES.

HEADWALL PROVIDED WITH GRILL OVER PIPE

KEE KLAMP SPECIFICATION INFORMATION:

- GALVANISED STEEL KEE KLAMP HANDRAIL
- 1100MM ABOVE BACK WALL
- KEE KLAMP6 GALVANISED SIZE 8 FITTINGS
- SIZE 8 48.3MM OD 3.2MM WALL THICKNESS GALVANISED
- MEDIUM DUTY TUBE TO BS EN 10255
- 360N/M DESIGN LOAD AS STATED IN BS 8118, BS 8180, BS 6399 & BS 7618, CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY (CESWI) 7TH EDITION CLAUSE 2.60
- HANDRAILS & BALLUSTERS & THE ENGINEERING EQUIPMENT AND MATERIALS USERS ASSOCIATION (EEMUA) PUBLICATION 105 7TH EDITION FACTORY STAIRWAYS, LADDERS AND HANDRAILS

ALTHON SFA HEADWALL INSTALLATION

UNITS SHOULD BE BEDDED OF MINIMUM 100MM OF SEMI-DRY CONCRETE.

FOR FULL DETAILED INSTALLATION INSTRUCTIONS CONTACT ALTHON LTD.

01603 488700

MATERIAL REINFORCED CONCRETE

WEIGHT APPROXIMATELY 941kg

Sewers for Adoption / Sewers for Scotland Outfall Safety Grille - SFA1 300

- In accordance with Figure C.6 Typical Outfall Safety Grille - for outfalls of 350mm diameter or greater - Sewers for Adoption 7th Edition
- Material Grade is to be: BS EN 10025 S275
- All mild steel to be hot dipped galvanized after fabrication
- Galvanizing to BS EN: 1461
- Welding to BS EN 1011-2:2001
- Hinged on one side with padlock facility
- Weight Approx: 40kg

Sewers for Adoption / Sewers for Scotland Outfall Safety Grille - SFA1 375

- In accordance with Figure C.6 Typical Outfall Safety Grille - for outfalls of 350mm diameter or greater - Sewers for Adoption 7th Edition
- Material Grade is to be: BS EN 10025 S275
- All mild steel to be hot dipped galvanized after fabrication
- Galvanizing to BS EN: 1461
- Welding to BS EN 1011-2:2001
- Hinged on one side with padlock facility
- Weight Approx: 37 kg

Sewers for Adoption / Sewers for Scotland Outfall Safety Grille - SFA1 525

- In accordance with Figure C.6 Typical Outfall Safety Grille - for outfalls of 350mm diameter or greater - Sewers for Adoption 7th Edition
- Material Grade is to be: BS EN 10025 S275
- All mild steel to be hot dipped galvanized after fabrication
- Galvanizing to BS EN: 1461
- Welding to BS EN 1011-2:2001
- Hinged on one side with padlock facility
- Weight Approx: 70kg

Sewers for Adoption / Sewers for Scotland Outfall Safety Grille - SFA1 300

- In accordance with Figure C.6 Typical Outfall Safety Grille - for outfalls of 350mm diameter or greater - Sewers for Adoption 7th Edition
- Material Grade is to be: BS EN 10025 S275
- All mild steel to be hot dipped galvanized after fabrication
- Galvanizing to BS EN: 1461
- Welding to BS EN 1011-2:2001
- Hinged on one side with padlock facility
- Weight Approx: 40kg

REFER TO MANUFACTURERS DETAILS (ALTHON) FOR FURTHER INSTALLATION INSTRUCTIONS

DRAINAGE NOTES:

- ALL PIPES 1000 UNLESS OTHERWISE STATED
- ALL PIPES TO ACCEPTABLE CONNECTIONS 1000 UNLESS OTHERWISE STATED
- ALL PIPES IN TRAFFICED AREAS TO HAVE SAND COVERS & CONCRETE SURROUND
- ALL INTERNAL PLOT DRAINAGE REQUIRES CONFORMATION PRIOR TO CONSTRUCTION
- CONTRACTOR TO CONFIRM INVERT COVER & INVERT LEVEL OF PROPOSED CONNECTION POINT PRIOR TO CONSTRUCTION. ANY VARIATION TO BE REPORTED TO ENGINEER
- THE INVERT LEVEL OF THE EXISTING SEWERS ARE TO BE VERIFIED PRIOR TO COMMENCEMENT OF ANY DRAINAGE WORKS. ANY DISCREPANCY MUST BE NOTIFIED TO THE ENGINEER
- EXISTING MANHOLES TO BE MODIFIED TO ACCOMMODATE THE PROPOSED LATERAL CONNECTIONS. CONTRACTOR TO APPLY TO THE WATER AUTHORITY FOR THE SECTION 196 APPROVAL TO MAKE THE CONNECTIONS. PIPES ARE TO BE LAD WITH COMMON INVERT LEVELS
- ALL 150mm PIPES ARE TO BE CARPED
- ALL PIPES CONNECTIONS TO BE SLOTTED TO SLOTTED UNLESS STATED OTHERWISE. REFER TO MANHOLE SCHEDULE FOR FURTHER INFORMATION

HEALTH & SAFETY:

- CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION

ROADS & DRAINAGE

- CONTRACTOR TO PROVIDE TRENCH SUPPORTS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO REINSTATEMENT
- THE TIME THAT EXCAVATIONS ARE OPEN ON SITE SHOULD BE KEPT TO A MINIMUM AND ALL TRENCHES SHOULD BE SUPERSEDED BY A MANHOLE
- CONNECTIONS TO EXISTING SEWERS TO BE MADE BY APPROVED CONTRACTOR ONLY
- CONTRACTOR TO TAKE OPERATIONAL MEASURES OF ASSOCIATED DANGERS TO HEALTH SUCH AS LEPTOSPIROSIS (WELLS DISEASE) AND RECOMMENDED PRECAUTIONS ADEQUATE WEARABLE FACILITIES AND PROTECTIVE CLOTHING TO BE PROVIDED AS REQUIRED
- UNFINISHED MANHOLES MUST BE COVERED WITH LOAD BEARING MATERIALS AND SURROUNDED WITH BARRIERS

PIPES & CABLES

- CONTRACTOR TO OBTAIN ALL SERVICE RECORDS PRIOR TO WORKS COMMENCING
- SERVICE RECORDS TO BE REFERRED TO PRIOR TO WORK COMMENCING. CONTRACTOR TO PROCEED WITH CAUTION AND SERVICES TO BE LOCATED BY HAND DIG AND PROTECTED ACCORDINGLY

EXCAVATION/FILL

- CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM STEEP SLOPES DURING THE WORKS
- CONTRACTOR TO ENSURE THAT PROCEDURES ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM WORKING PLANT WHILE IN USE
- CONTRACTOR TO REFER TO GROUND INVESTIGATION REPORT FOR CONTAMINATION TESTS AND TO PROVIDE ADEQUATE WEARABLE FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED

06/07/2026 - FIRST ISSUE	SR	AE	1
Date	Revisions	Drawn	Checked
Orig Status			
SCHEMATIC			
NORTH EAST 0191 255662			
YORKSHIRE 0113 535 3500			
Client VISTRY GROUP			
Project SHAW LANE CARLTON			
Title HEADWALL CONSTRUCTION DETAILS			
DO NOT SCALE	Scale @ A3 NTS	Drawn	SR
Job No	24307	Orig No	D702
Rev	1	Checked	AE
Date	20.08.2025	Drawn	SR