

Calbah
1300 225 224

Design
Engineering
Fabrication



Approved
Manufacturer



Sustainability in Steel Construction
ES CHARTER MEMBER



DESIGN, ENGINEERING, SPECIALISED FABRICATION

NOTE: Some items are IP protected and cannot be copied

30 YEARS OF PREMIUM, REPUTABLE, SPECIALISED DESIGN ENGINEERING

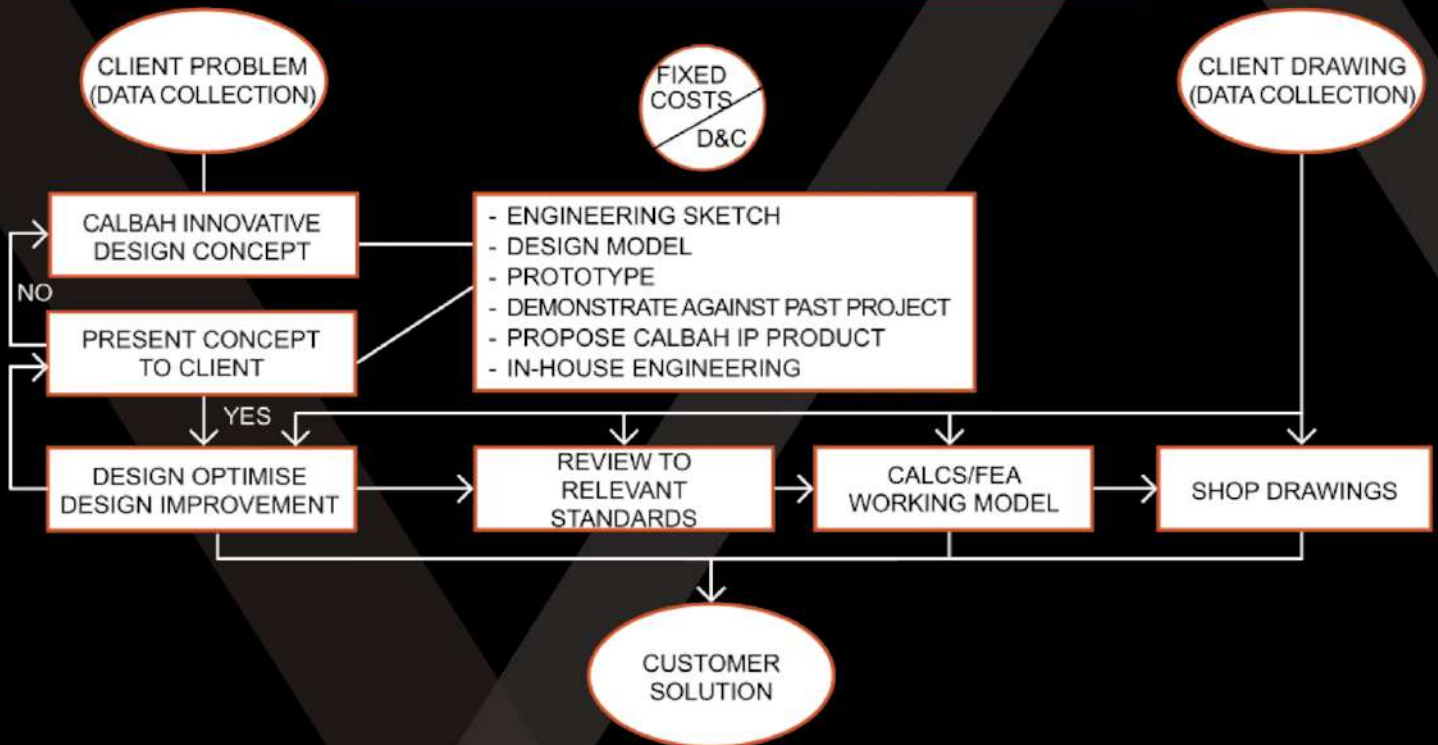
Calbah Industries Design and Drafting office has extensive experience. From concept discussions or sketches, we assist clients with the process of Industrial Design and product development through to specification for manufacture, shop drawings, production management and delivery of finished goods.

- | | |
|----------------|--|
| Design Brief | Your needs and scope are clearly understood and defined |
| Concept Design | Calbah Industries develops a solution to meet your needs and presents this solution to you for discussion and approval |
| Design | Calbah Industries develops the design to achieve maximum productivity and efficiency in operation |
| Delivery | Final design is presented
Option for full shop drawings to be completed |

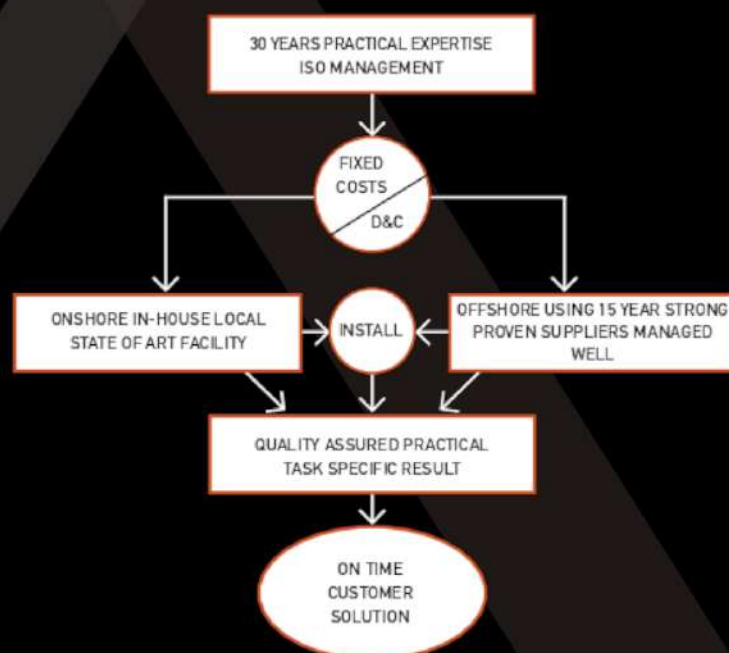


CALBAH DESIGN/FABRICATION STRUCTURE CHART

CALBAH INDUSTRIES – INDUSTRIAL DESIGN

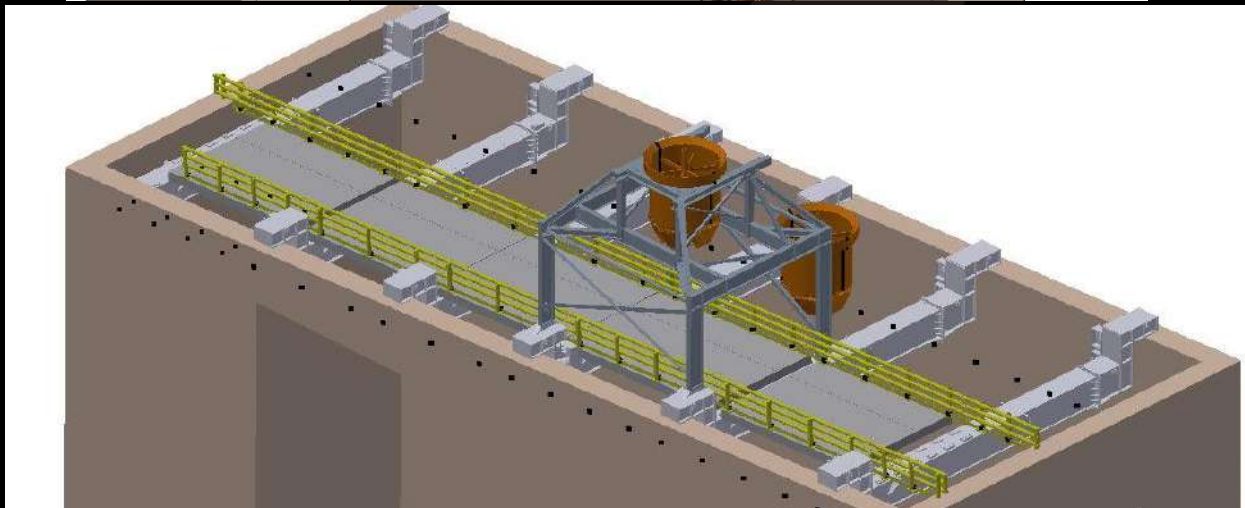
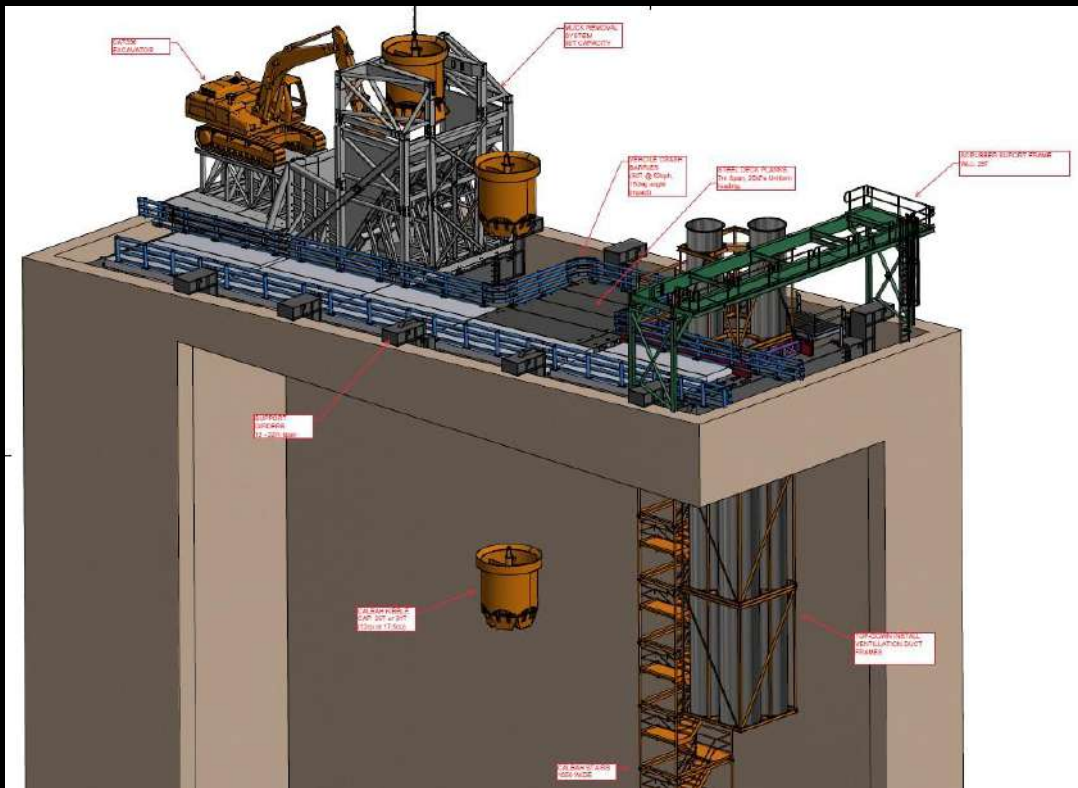


CALBAH INDUSTRIES – FACILITATE PROJECT



TUNNELLING BROCHURE

EARLY WORK STRUCTURE



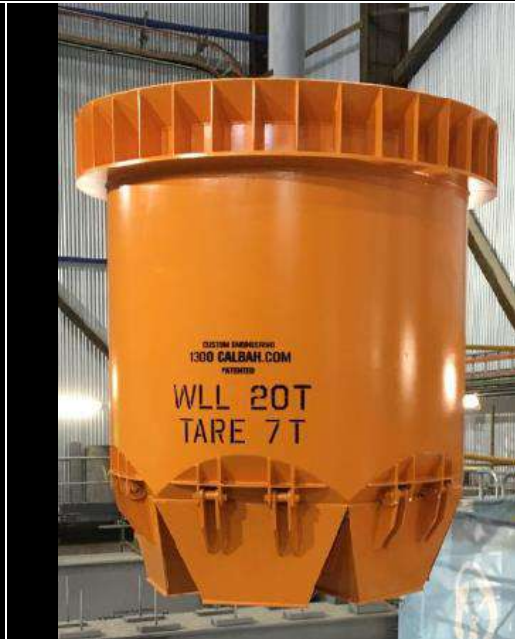
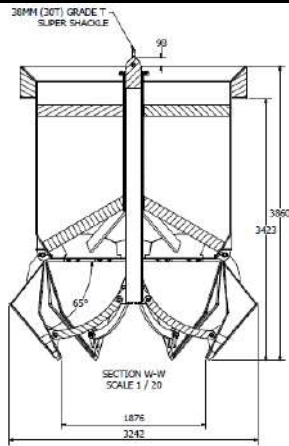
CENTRE DUMPING BIN – (CALBAH PATENT)

27T: VOLUME: 13.5 m³

TARE: 7t MGW: 27T

40T: VOLUME: 17.5 m³

TARE: 9t MGW: 40T

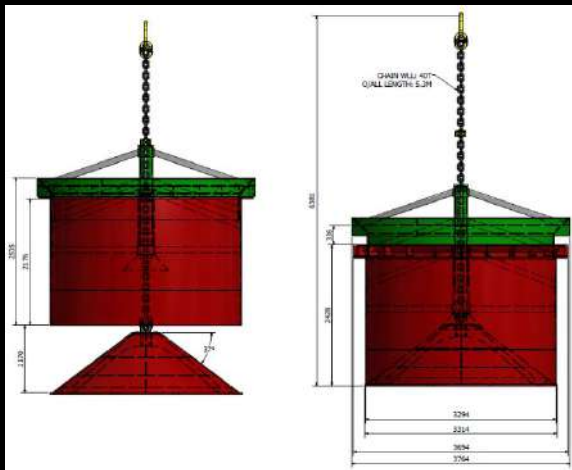


CONE DUMPING BIN - WITH SAFETY SLEEVE

VOLUME: 17.8 m³

TARE: 8t (Approx)

MGW: 40T



TIPPING SKIP BIN

RANGE OF SIZES AVAILABLE. MAX. 12 m³ (20T)

+DESIGN CAN BE ADJUSTED TO SUIT

SITE REQUIREMENTS



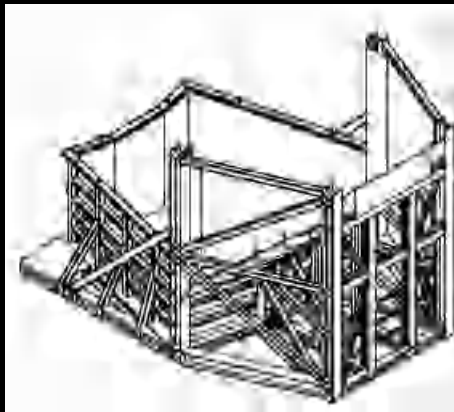
LOAD FRAME FOR CALBAH BIN

FRAME WEIGHT: 13T - 17T

BIN MGW: 27T

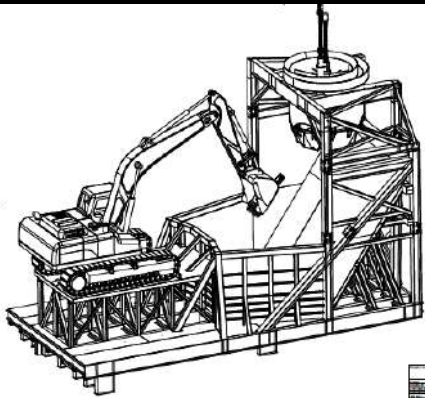


UNLOAD MUCK FRAME FOR CALBAH BIN



UNLOAD MUCK FRAME FOR CALBAH BIN

MGW: 60T



RECTANGULAR SELF TIPPING SKIP BIN

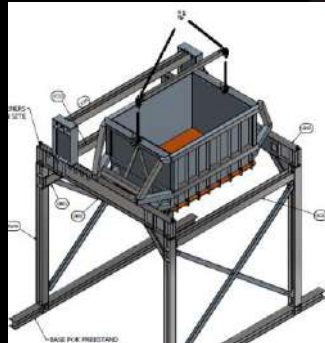
DIRECT UNLOAD FRAME

10T SKIPS SHOWN

FRAME WEIGHT: 11T (APPROX)

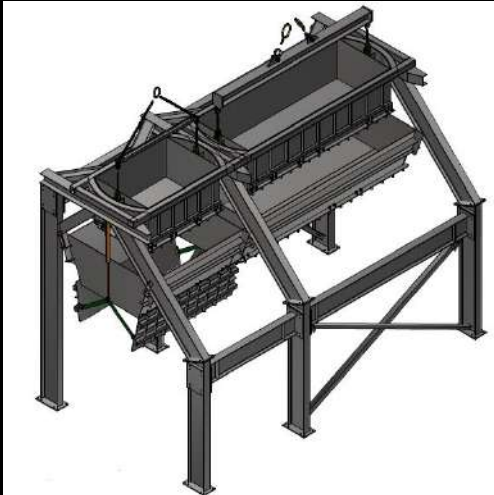
TARE: 10T BIN: 5T

SHOULDER OR BASE UNLOADING SUPPORT



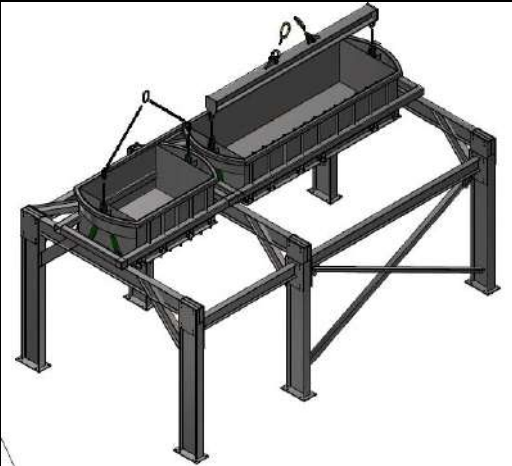
**RECTANGULAR SELF TIPPING DUAL SKIP BIN
C/W UNLOAD FRAME WITH STORAGE HOPPER**

10T AND 20T SKIP & STORAGE SHOWN
FRAME WEIGHT: 28T (APPROX)
TARE: 20T BIN: 8T and 10T BIN: 5T

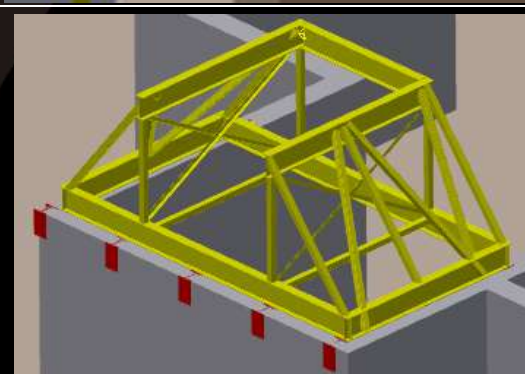
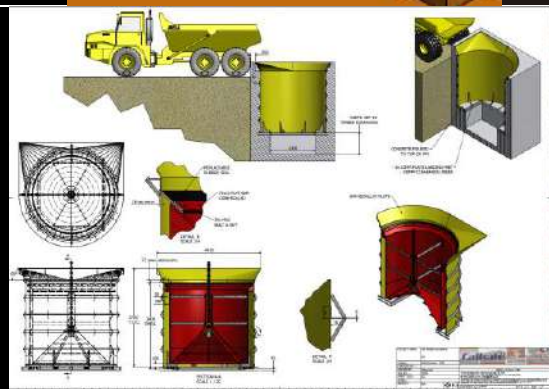
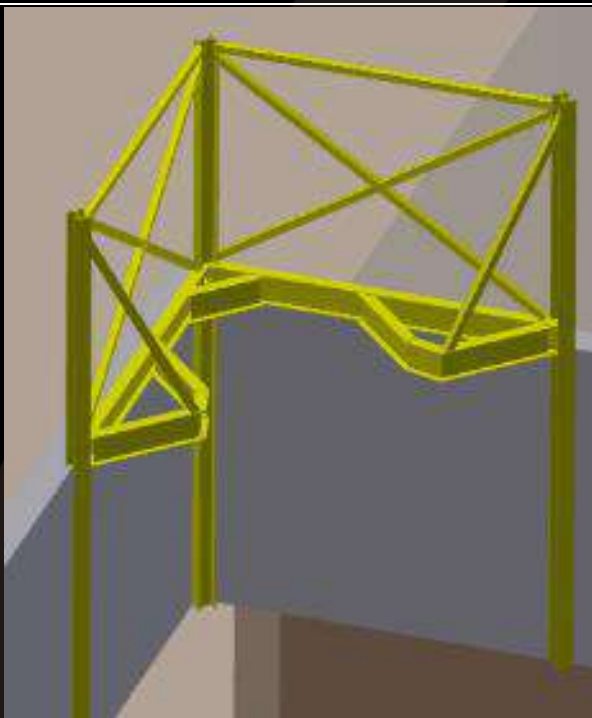
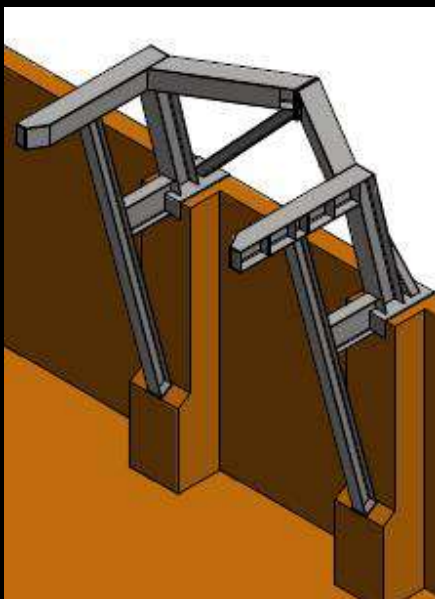


**RECTANGULAR SELF TIPPING DUAL SKIP BIN
DIRECT UNLOAD FRAME**

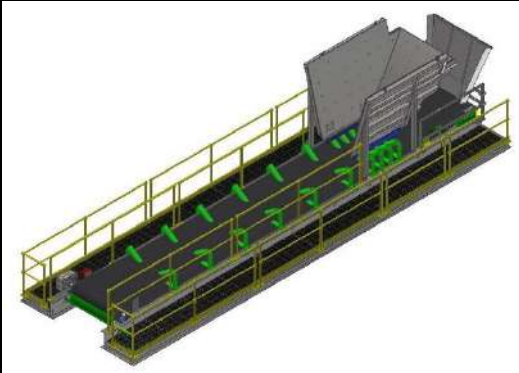
10T AND 20T SKIPS SHOWN
FRAME WEIGHT: 11T (APPROX)
TARE: 20T BIN: 8T and 10T BIN: 5T



**VARIOUS OTHER BIN UNLOAD DESIGNS
TO SUIT ROUND KIBBLES
ALL TAILORED TO SUIT SITE REQUIREMENTS**



SPOIL CONVEYOR

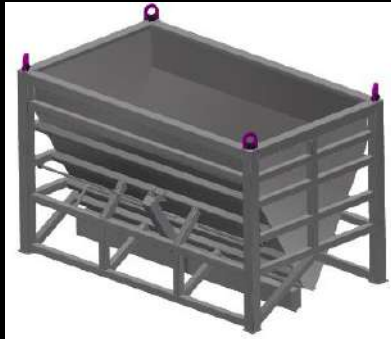


SPOIL CONVEYOR

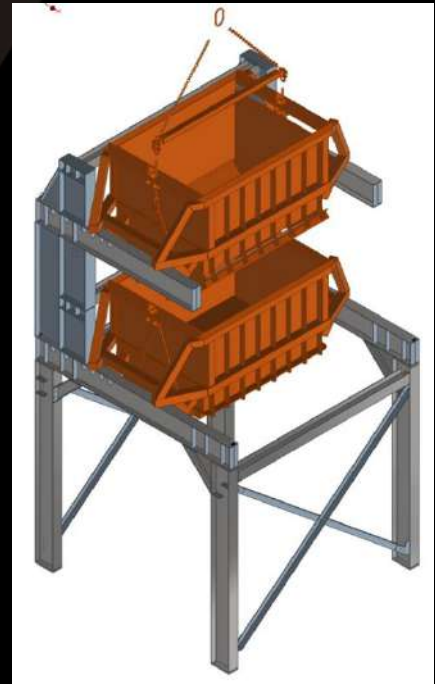
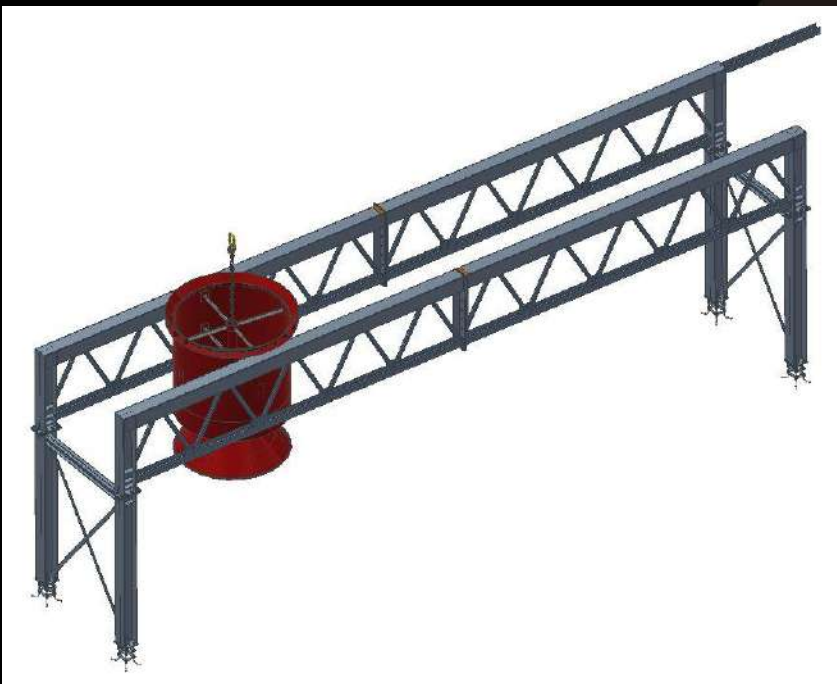


SAND SPREADING SKIP

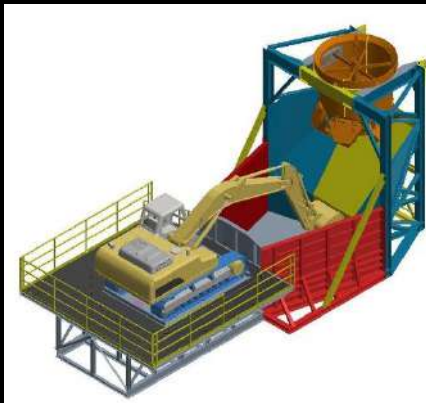
WLL: 16T TARE: 3.5T
VOLUME: 10 m³



MUCKING SYSTEMS



Spreading unload frame for wheel loader
21m Long, 40T capacity



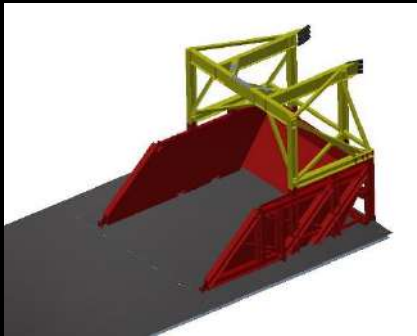
Capacity :72t (30 cu.m)
CAT336, 12.5cu Kibble



Capacity :60t (25 cu.m)
CAT336, 12.5cu Kibble



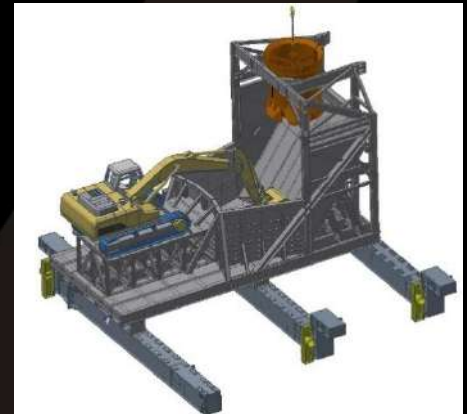
Capacity :60t (25 cu.m)
Freestand, 17.5cu Kibble



Capacity :72t (30 cu.m)
Wheel Loader, 17.5 cu Kibble



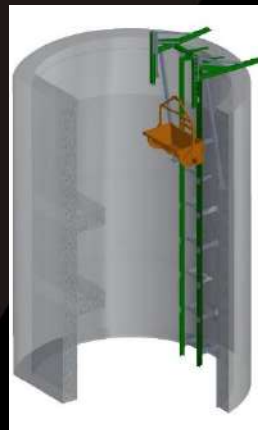
WLL: 27 Tonne (12.5 cu.m)
Direct to Truck



Capacity :90t (40 cu.m)
CAT336, Self supporting
12.5cu Kibble



Capacity :160t (65 cu.m)
CAT336, 17.5cu Kibble
operator

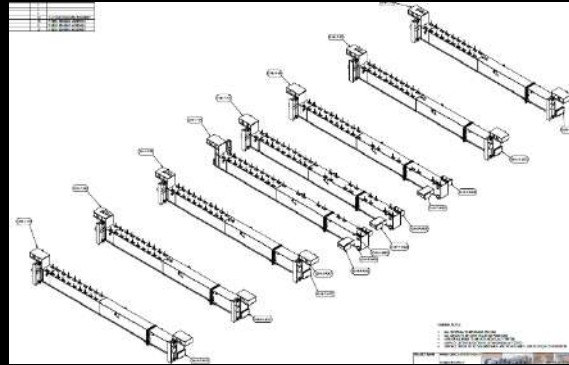


WLL: 19 Tonne (12.5 cu.m)
Rail-guided, Self-tipping by Crane

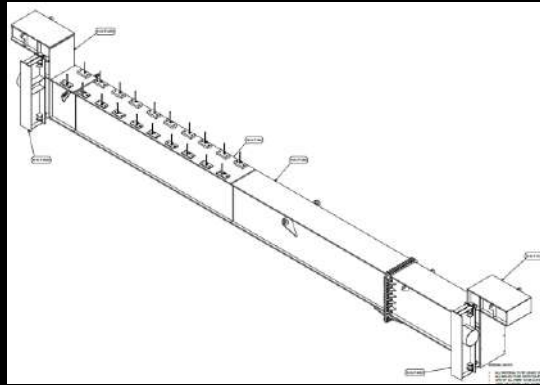


ROOF GIRDERS

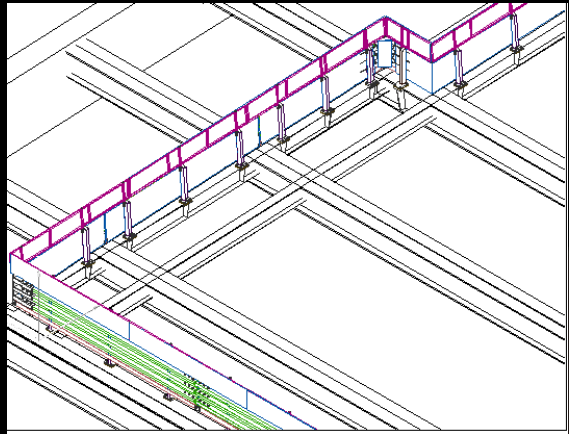
GOOSENECK GIRDER



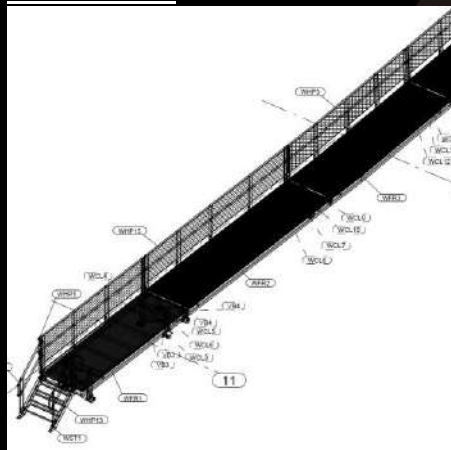
GOOSENECK GIRDERS



BARRIER RAILS

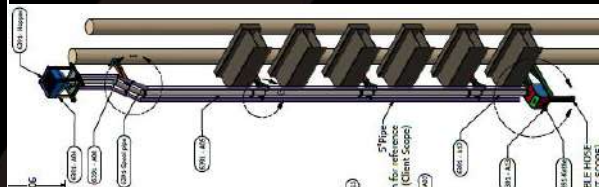


WALKWAY



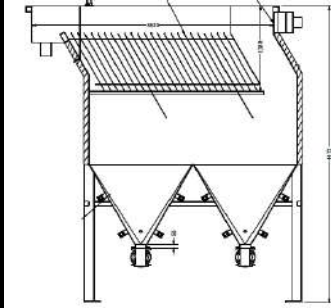
DETAIL K
SCALE 1/40

FIGURE 6



WATER TREATMENT

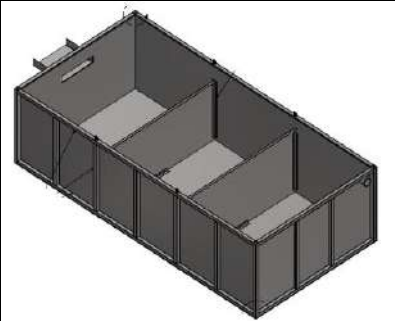
CLARIFIER – 10l/sec Flow rate
BAFFLED SETTLING TANKS



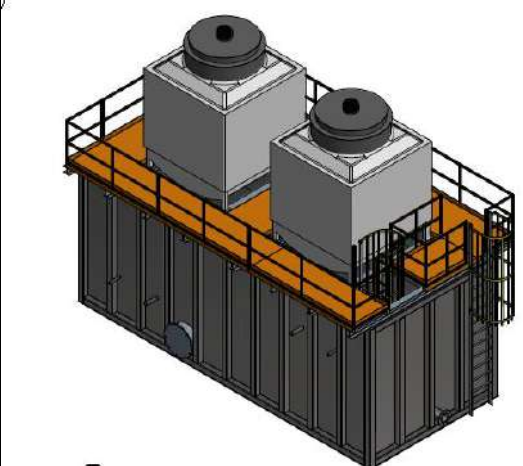
TREATMENT PLANT



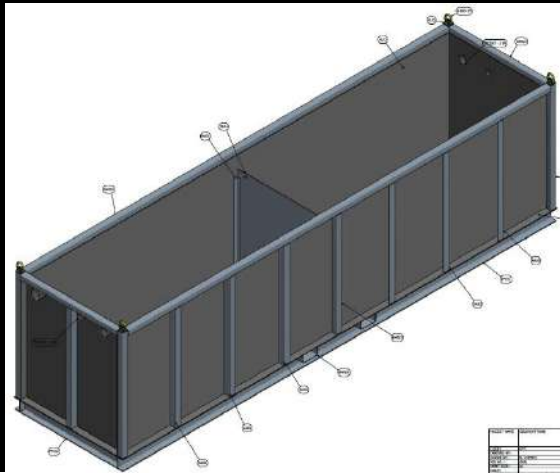
SETTLEMENT TANKS



SETTLEMENT TANK
C/W PLATFORM FOR EQUIPMENT

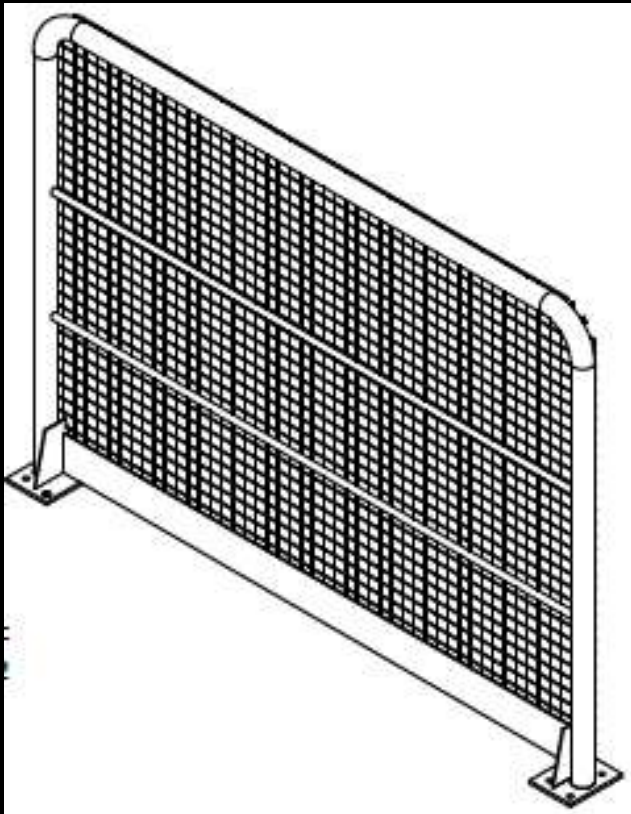


FISH TANK



HANDRAILS:

Handrail Edge protection 1.1M High

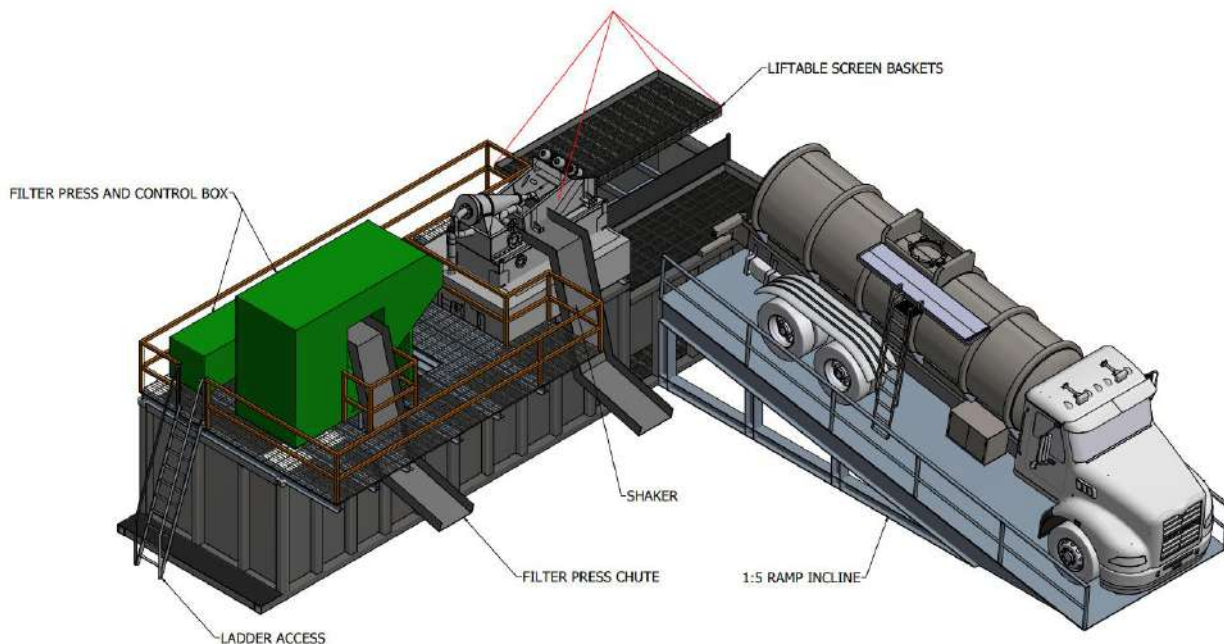


Handrail Edge protection 1.1M High



RAMPS

TANK RAMP



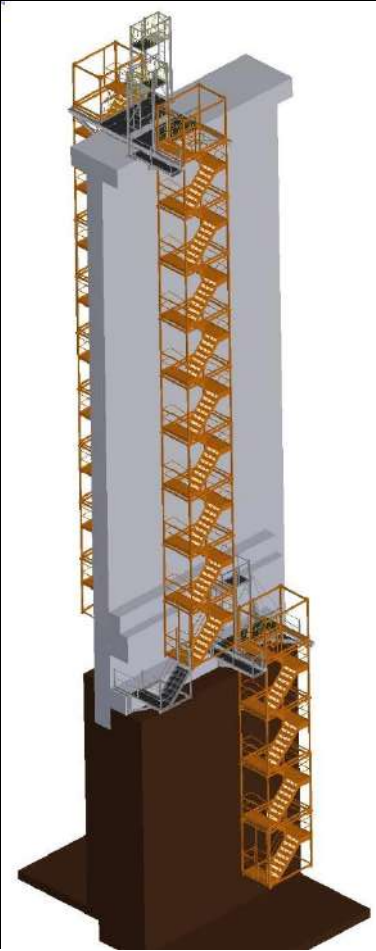
ACCESS STAIRS

UNIQUE TOP-DOWN BUILD PROCESS REMOVES REQUIREMENT TO ASSEMBLE SCAFFOLD IN THE SHAFT
SIZED FOR STANDARD ACCESS OR STRETCHER EGRESS
MAXIMUM SHAFT DEPTH IN SINGLE FALL 45M
CAN BE SUPPORTED ON CAPPING BEAM OR GIRDERS

MULTIPLE ACCESSORIES AVAILABLE:

- WALL STAIRS
- SELF ADJUSTING EXIT STAIR (STRAIGHT OR 90 DEG EXIT)
- INTERMEDIATE LANDINGS FOR ADDITIONAL DEPTH
- CROSSOVER BRIDGE
- TOP DOWN OR BOTTOM UP SYSTEM

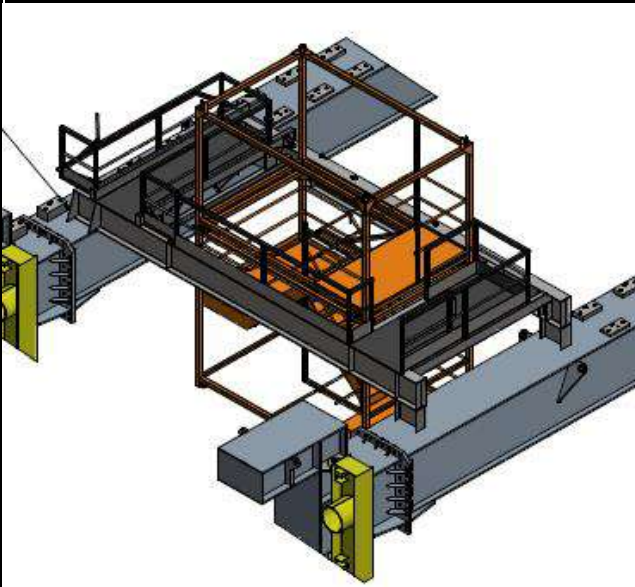
STAIR WITH DUAL FALL



STAIR WITH INTERMEDIATE LANDING



LANDING FRAME OVER GIRDER



LANDING FRAME OVER GIRDER

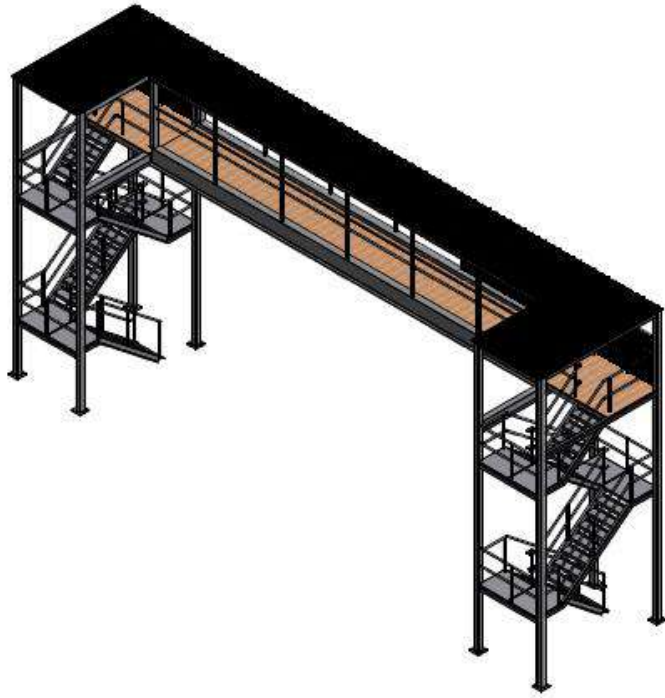


PEDESTRIAN ACCESS BRIDGE

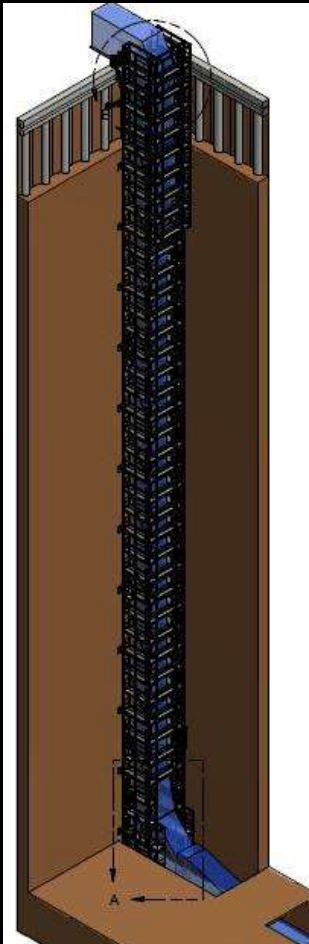
DESIGN LOAD: 4 kPa

SPAN: 13M

CLEARANCE: 6M



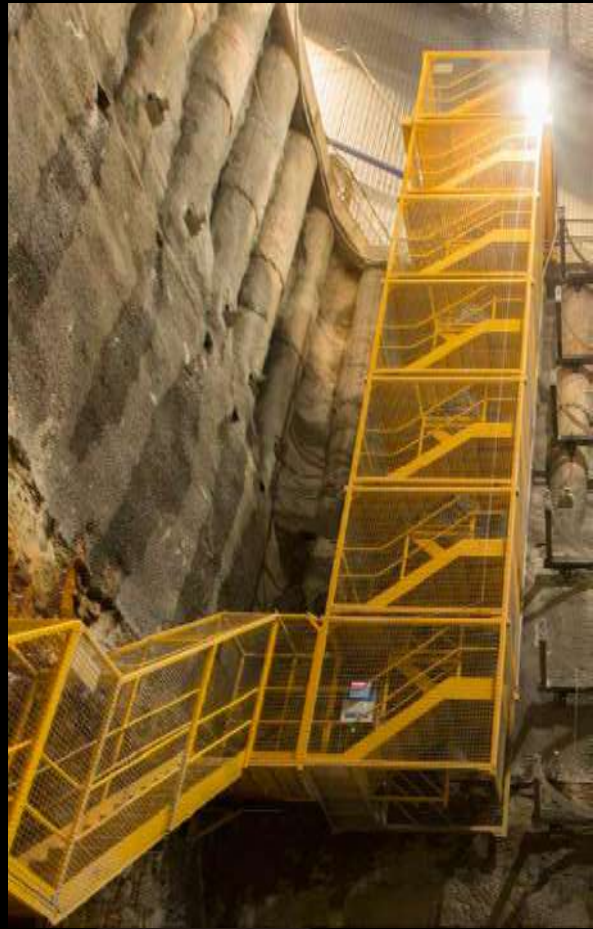
STAIR SYSTEM TO SUPPORT CONVEYOR MAINTANANCE



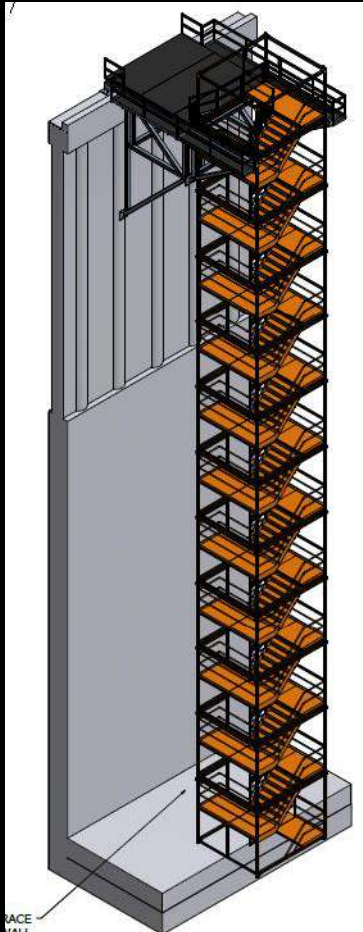
STAIR SYSTEM WITH CATWALK



STAIR SYSTEM WITH CATWALK



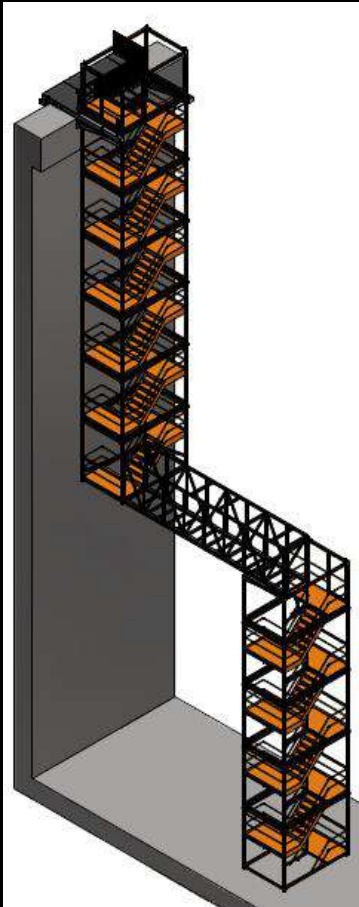
STAIR WITH LARGE OFFSET



STAIR WITH LARGE OFFSET



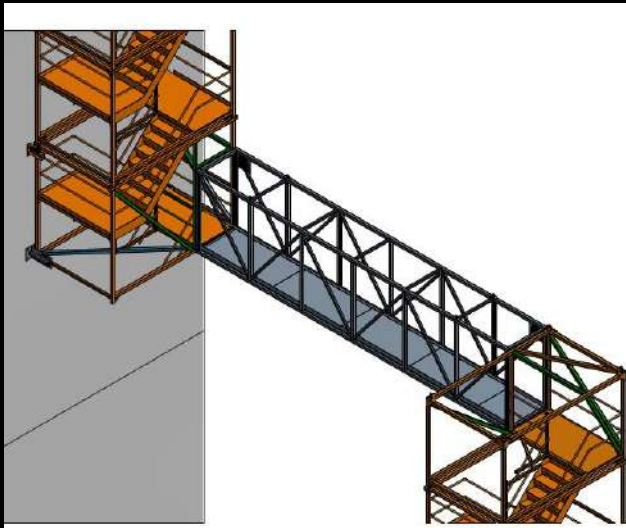
STAIR WITH CROSSOVER BRIDGE



STAIR WITH CROSSOVER BRIDGE



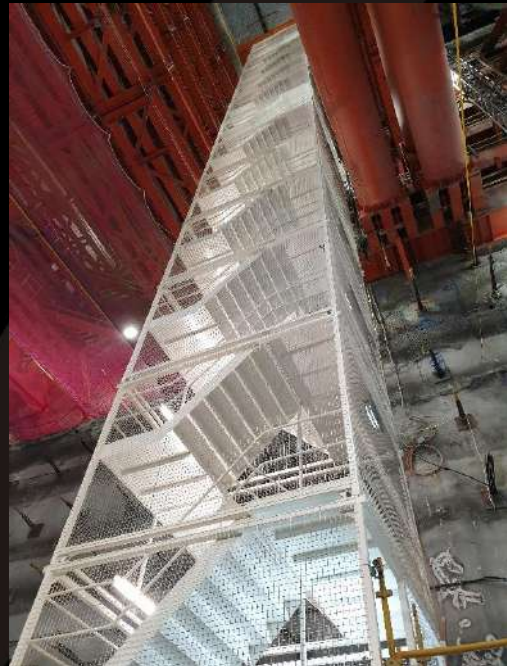
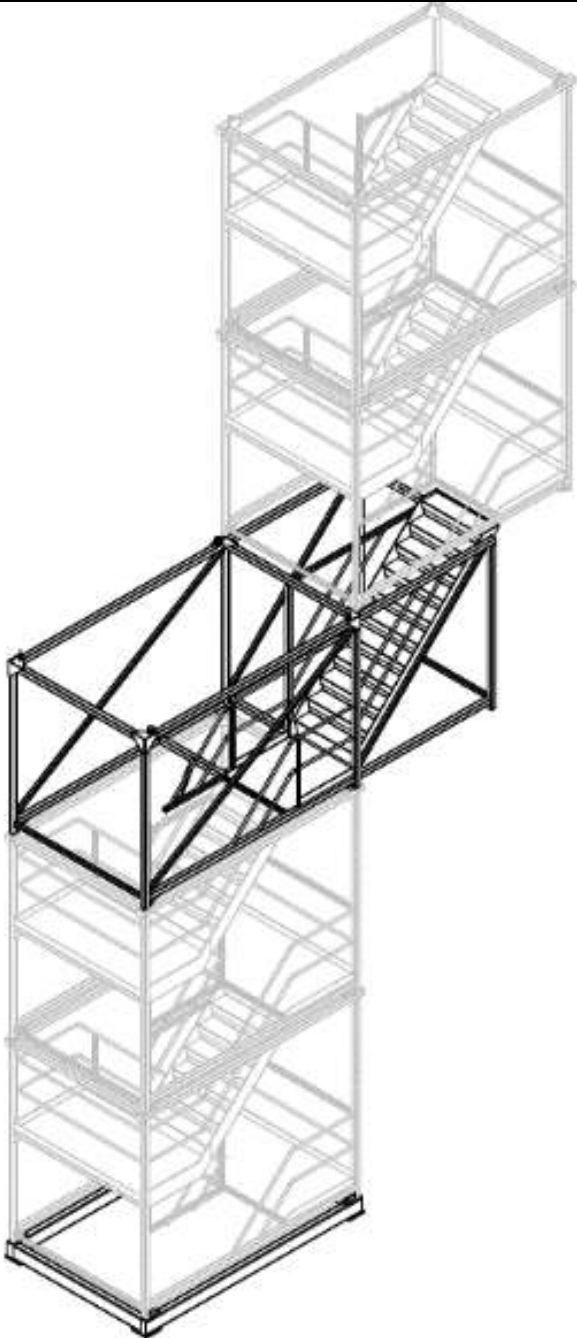
STAIR WITH CROSSOVER BRIDGE



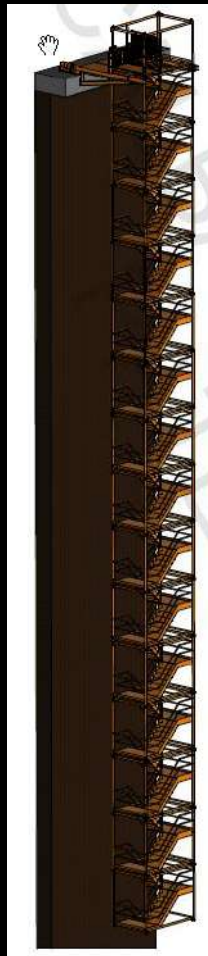
STAIR WITH CROSSOVER BRIDGE



STAIR WITH STAGGERED OFFSET



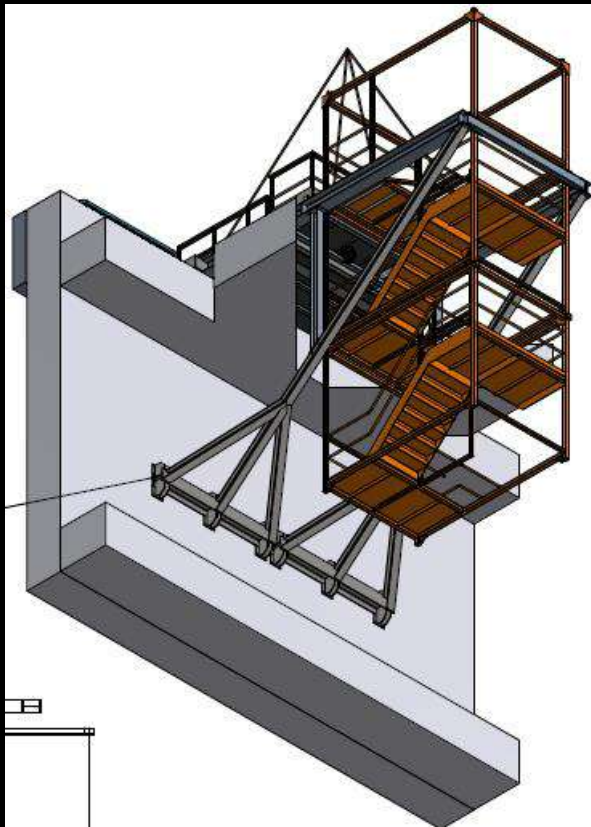
STAIR SYSTEM AGAINST WALL



STAIR SYSTEM AGAINST WALL

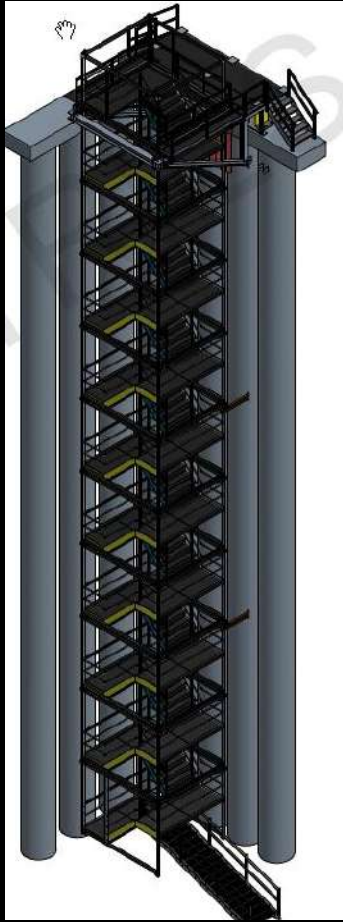


STAIR SYSTEM OFFSET FROM WALL



STAIR SYSTEM OFFSET FROM WALL

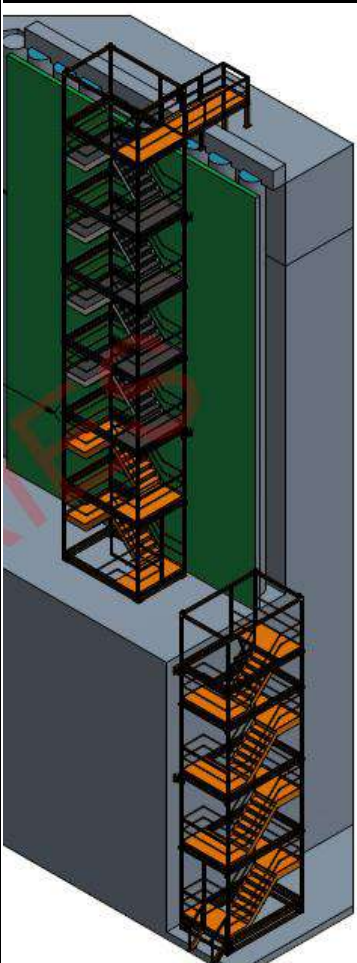




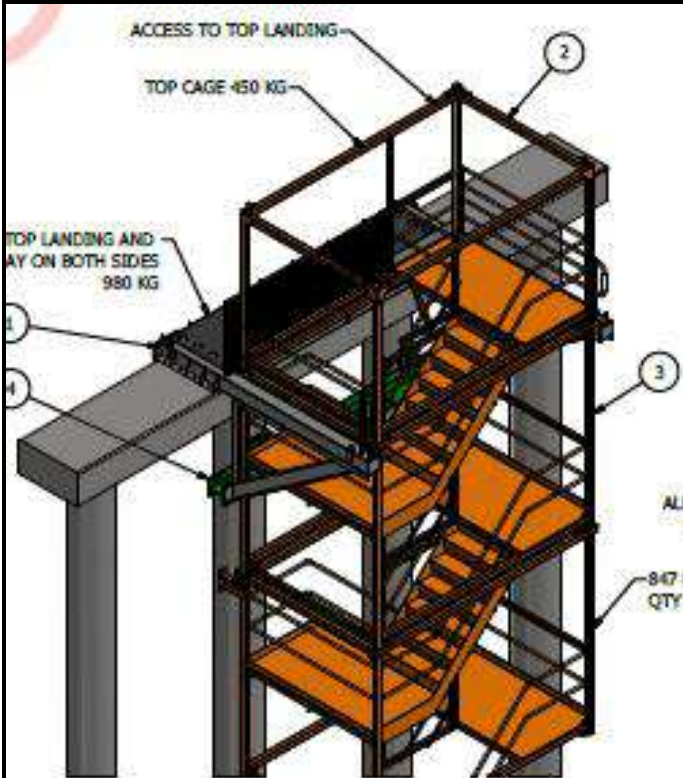
STAIR SYSTEM BOTTOM UP



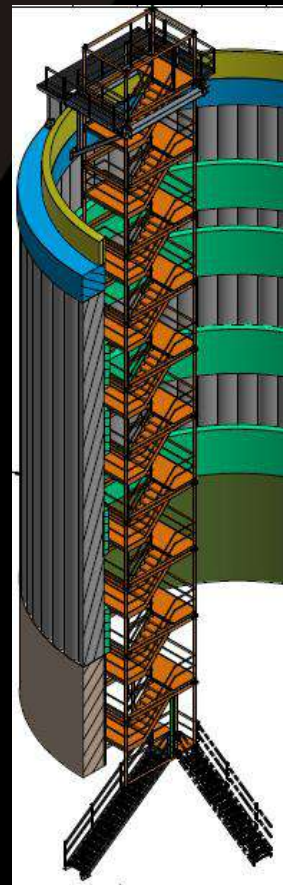
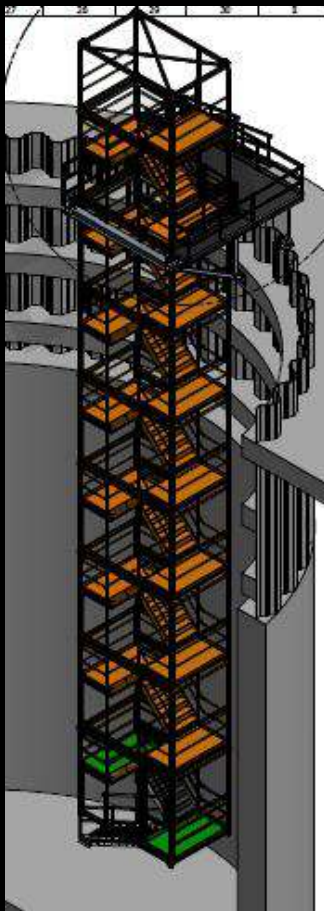
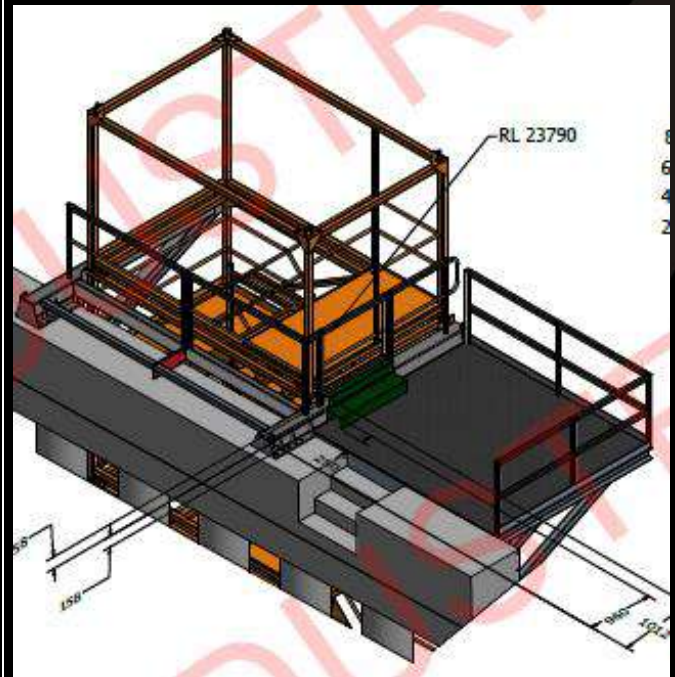
STAIR SYSTEM BOTTOM UP



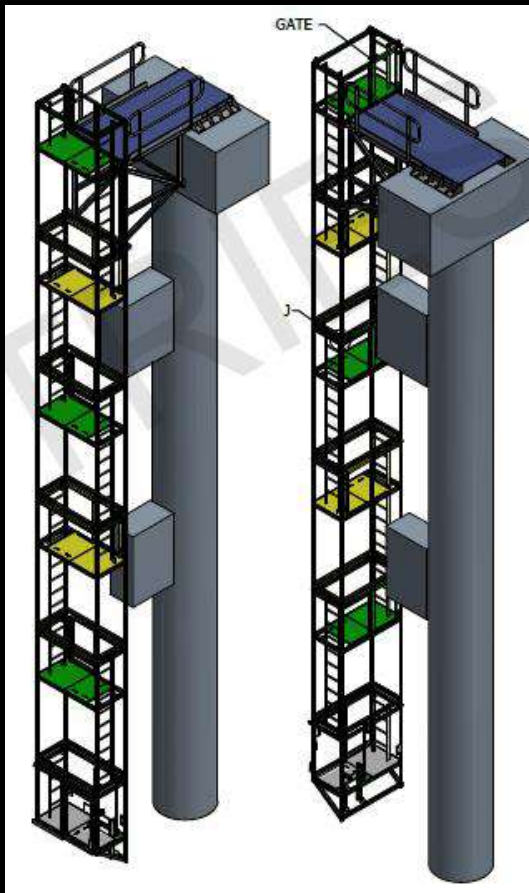
STAIR SYSTEM WITH BRACING TO PILE



STAIR SYSTEM WITH SIDE PLATFORM



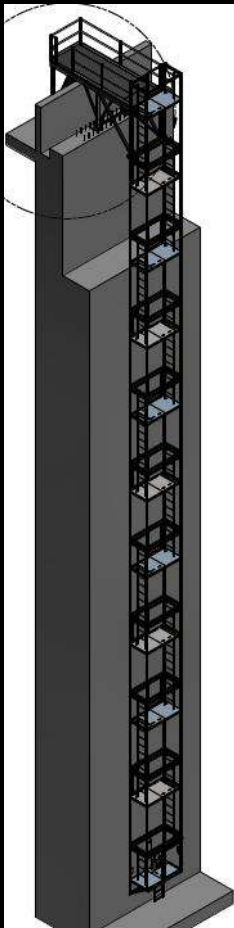
LADDER SYSTEM OFFSET FROM WALL



LADDER SYSTEM



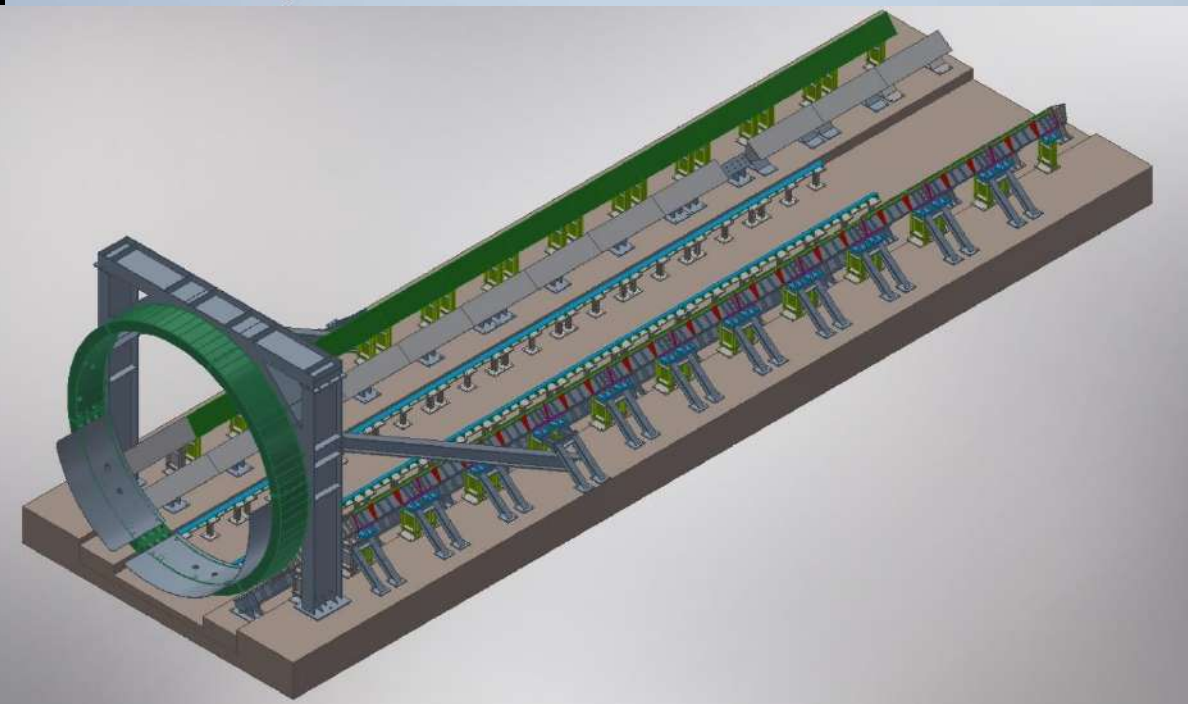
LADDER SYSTEM OVER FLOOD WALL



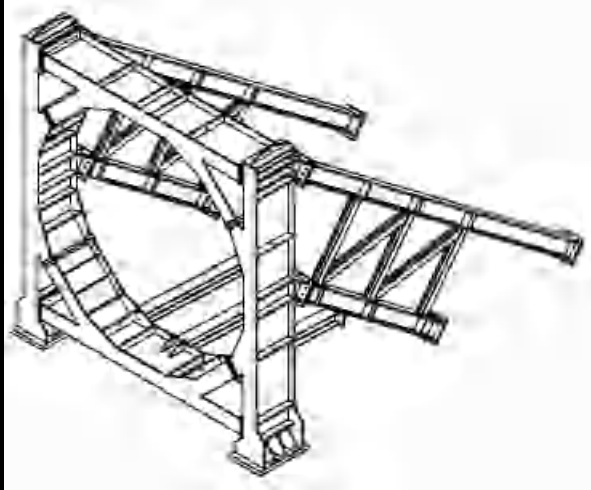
LADDER SYSTEM OVER FLOOD WALL



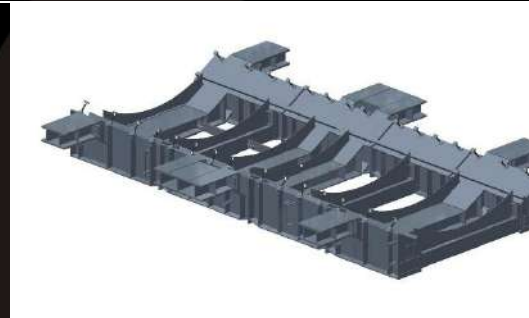
TUNNEL LAUNCH SYSTEM



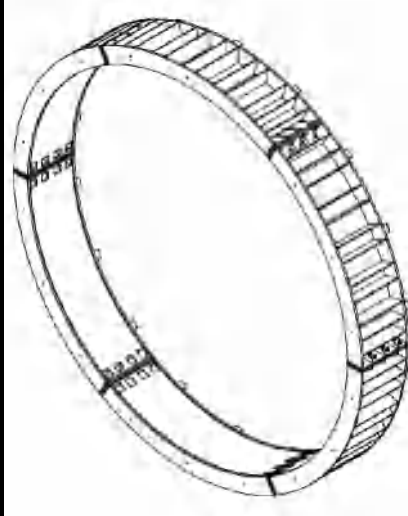
THRUST FRAME



LAUNCH SYSTEM



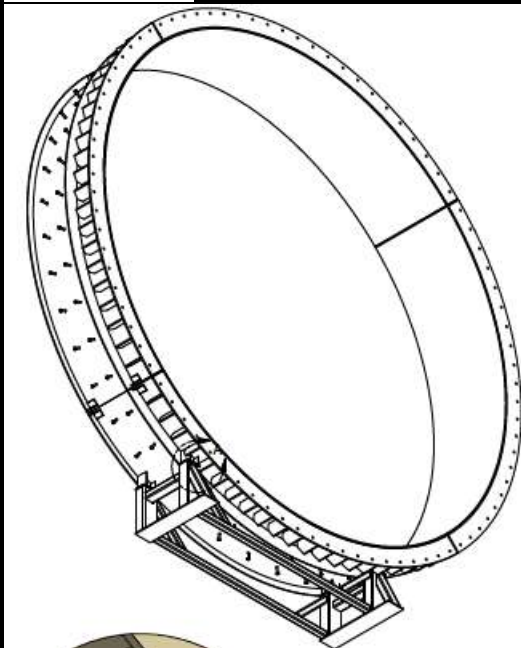
PUSH RING



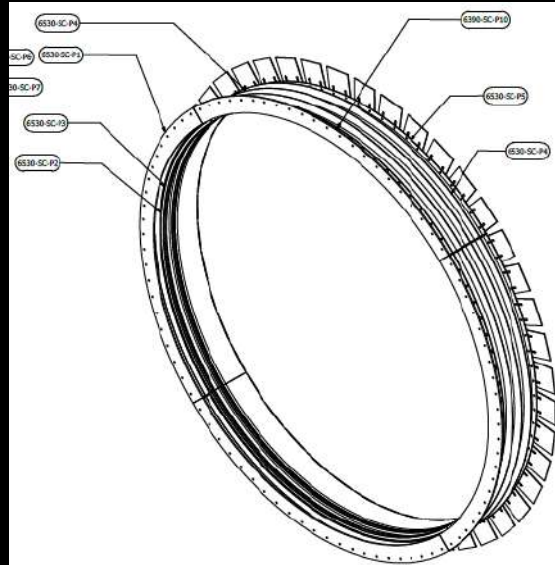
INTERJACK RING



TRANSIT RING



SEAL CAN



LAUNCH CRADLE

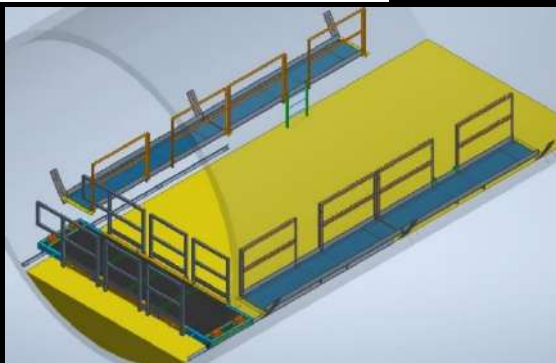


LAUNCH CRADLE

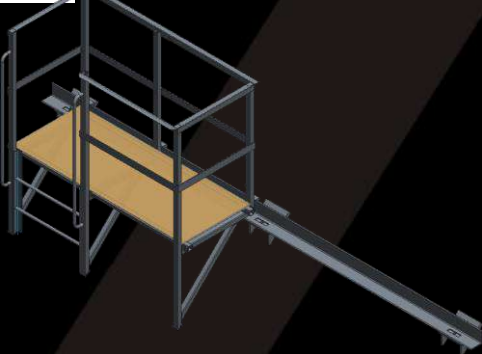


TUNNEL WALKWAY & HOPUP PF

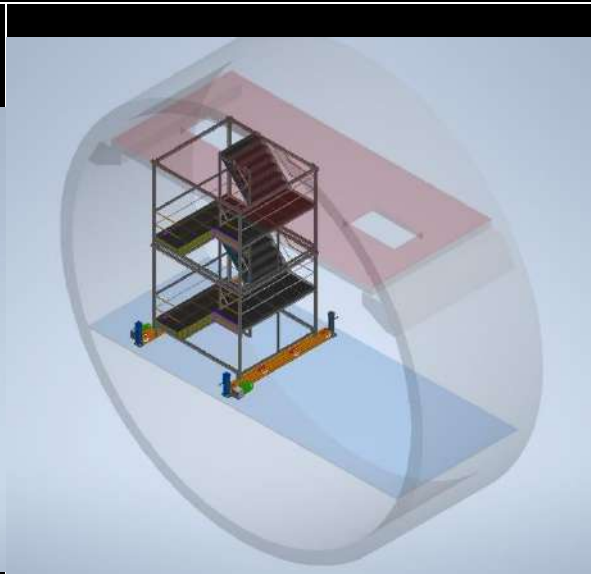
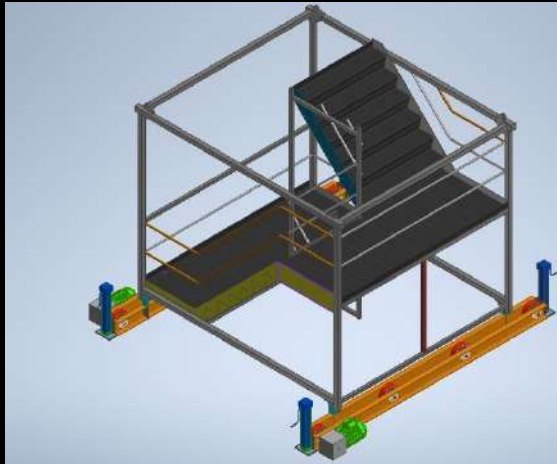
WALKWAY & TROLLEY



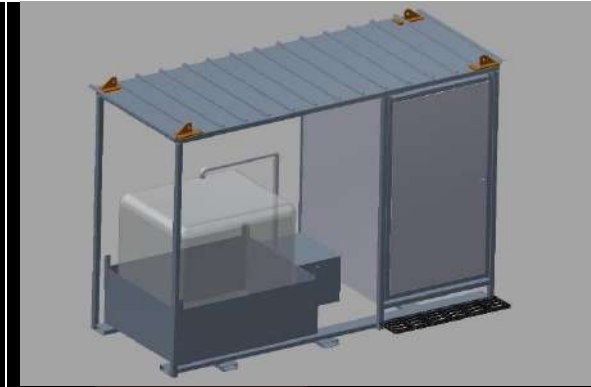
HOPUP



TUNNEL STAIR



SITE TOILET

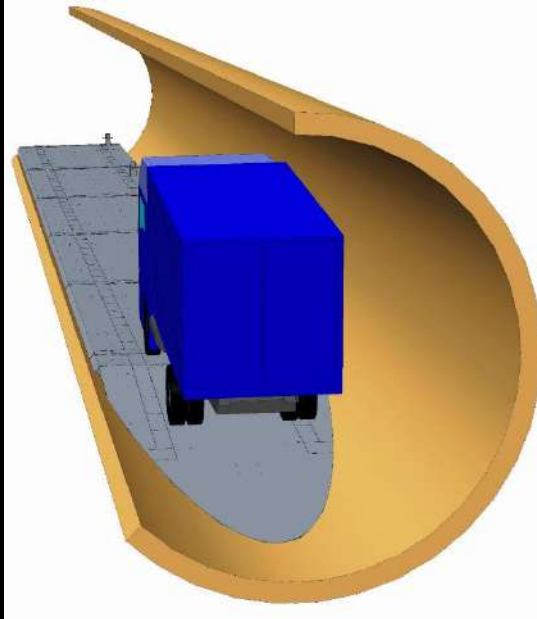


DROPPER

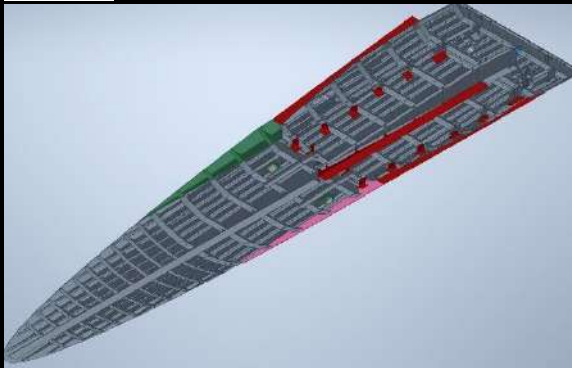


TUNNEL FITMENT SYSTEM

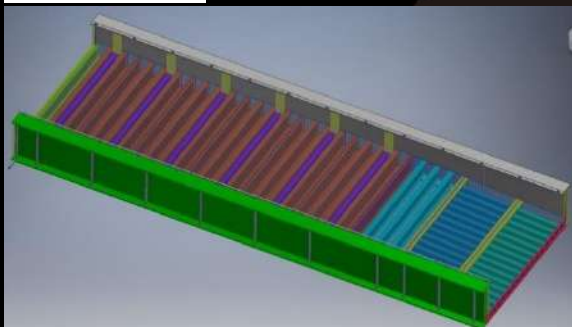
TUNNEL PLATFORM



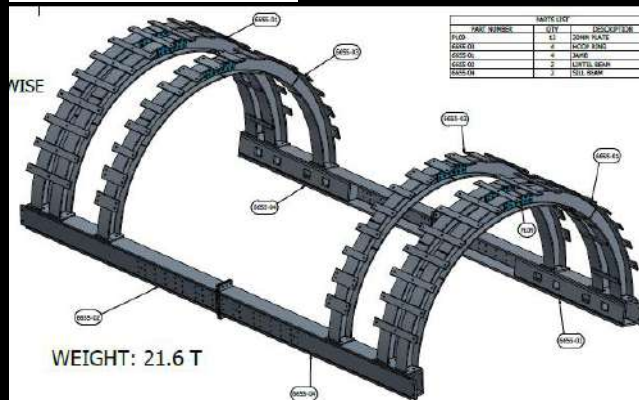
RAMP



TBM RAMP



CROSS PASSAGE



CROSS PASSAGE

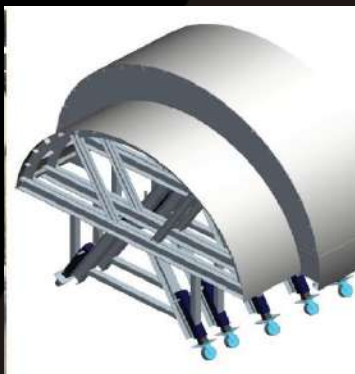


Tunnel Brackets

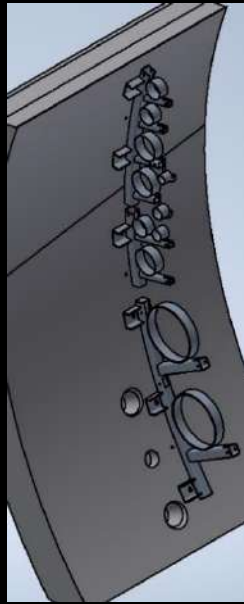
TUNNEL SERVICE BRACKETS



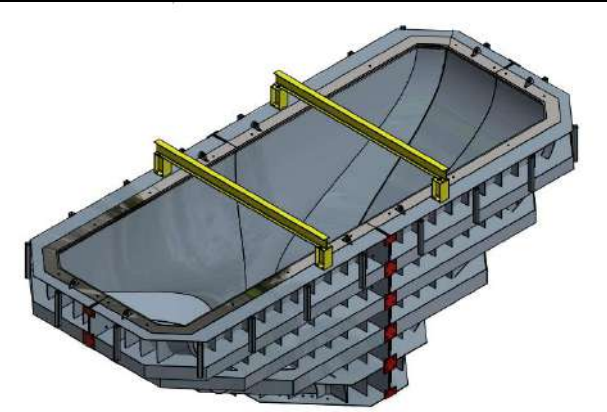
TUNNEL FORM WORK



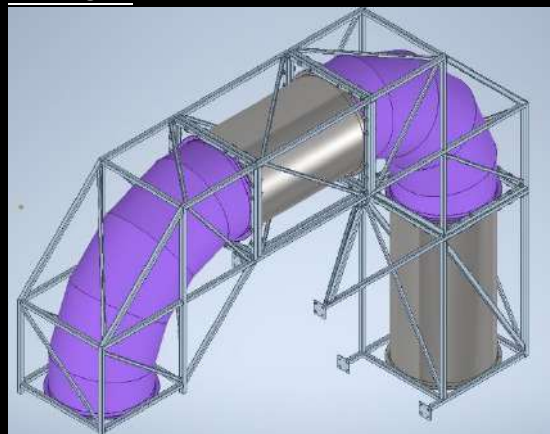
SERVICE BRACKET

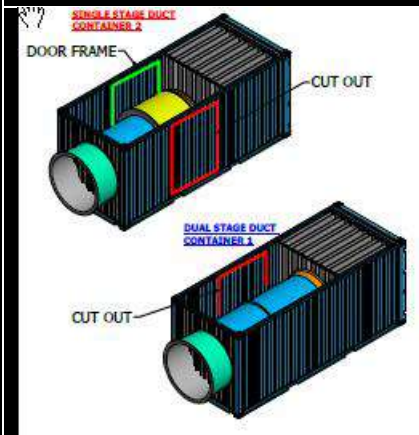
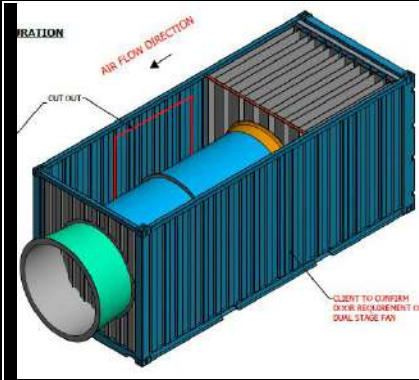


FORM WORK



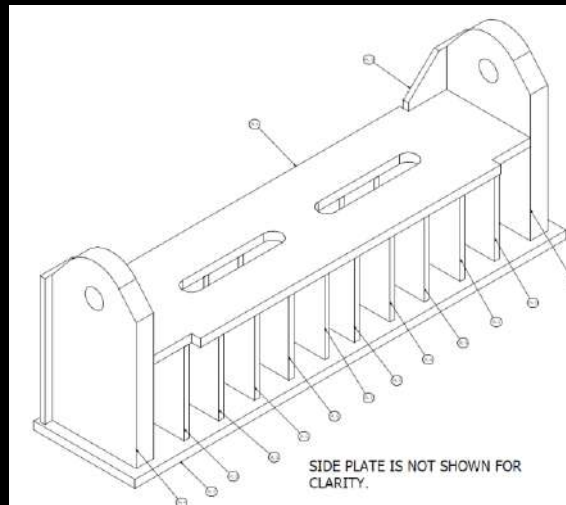
VENT CAN





LIFT/STRESS BEAM

EAGLE BEAM

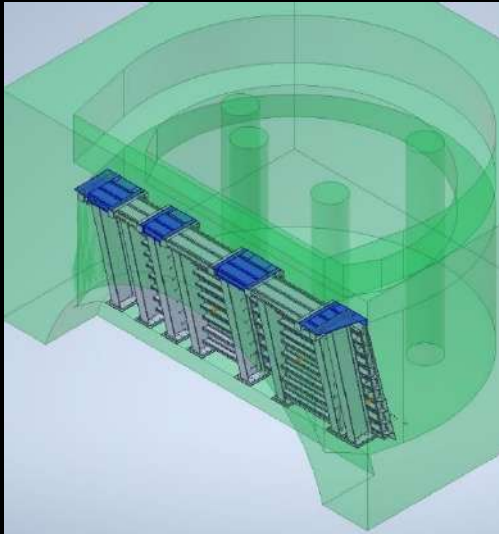


TUNNEL COLUMN

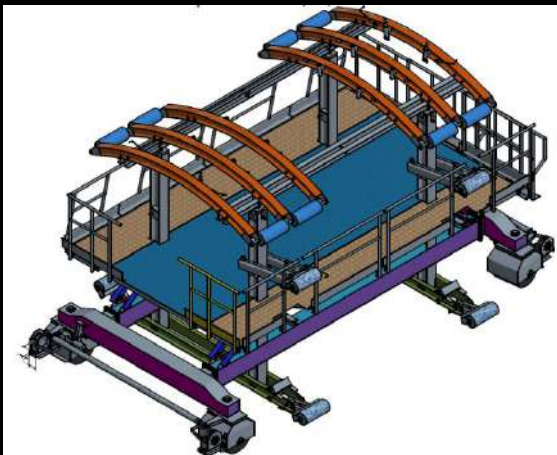
TUNNEL COLUMN



TUNNEL WALL



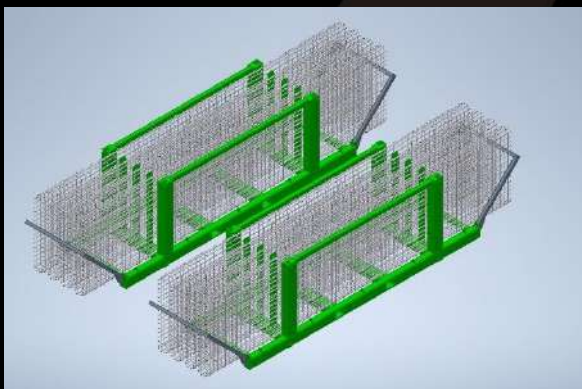
REO JIG FRAME



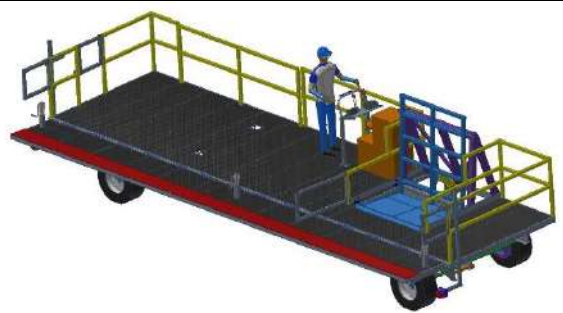
REO CAGE FRAME



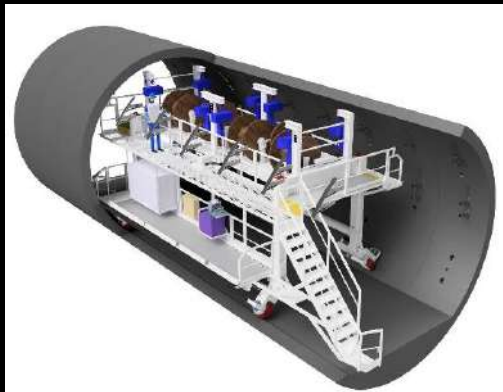
REO CAGE TRANSPORT FRAME



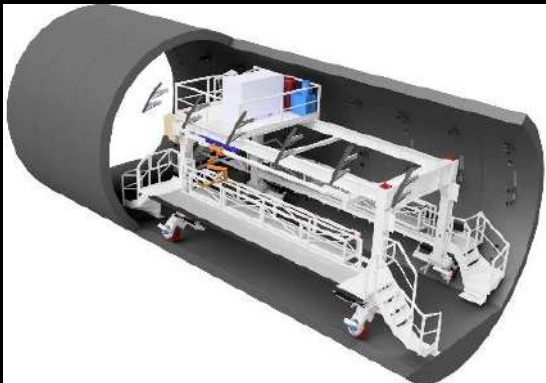
TUNNEL PANEL/CLADDING INSTALL TRAILER



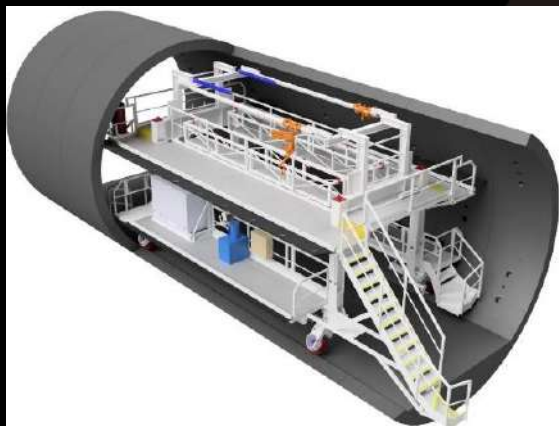
CABLE GANTRY



LOWER GANTRY



UPPER GANTRY



1300 CAL BAH
225 224