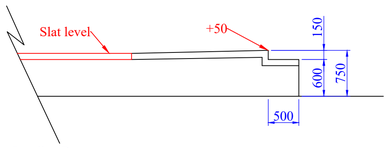
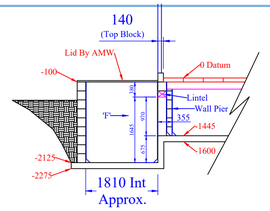
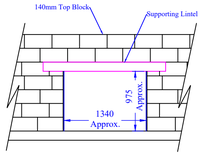
DO NOT SCALE
IF IN DOUBT ASK

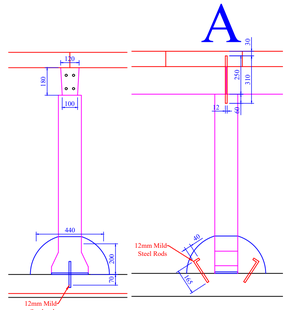


Loading Ramp

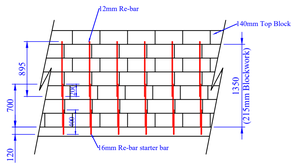




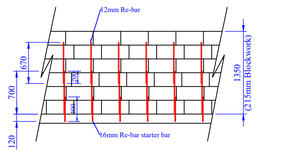
Detail 'F' - View of Manhole opening into Main Tank (6C)



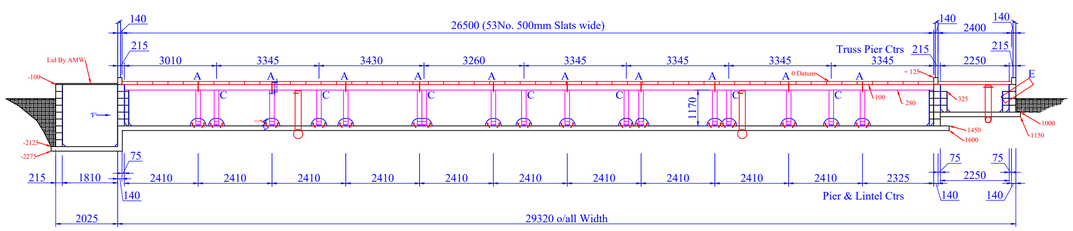
Pier & Lintel Details



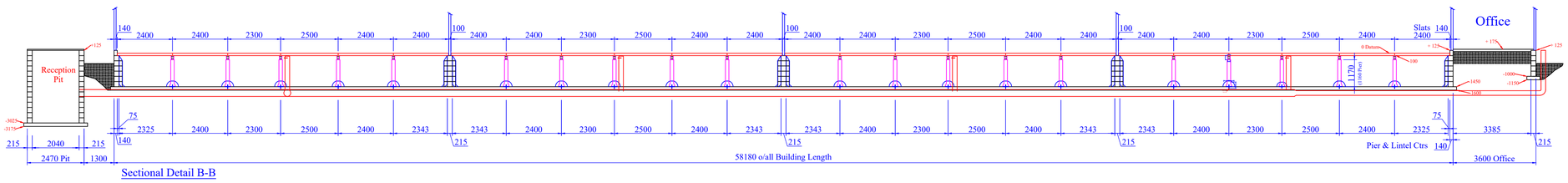
Rodding Detail - 215mm blockwork with 140mm Top Block



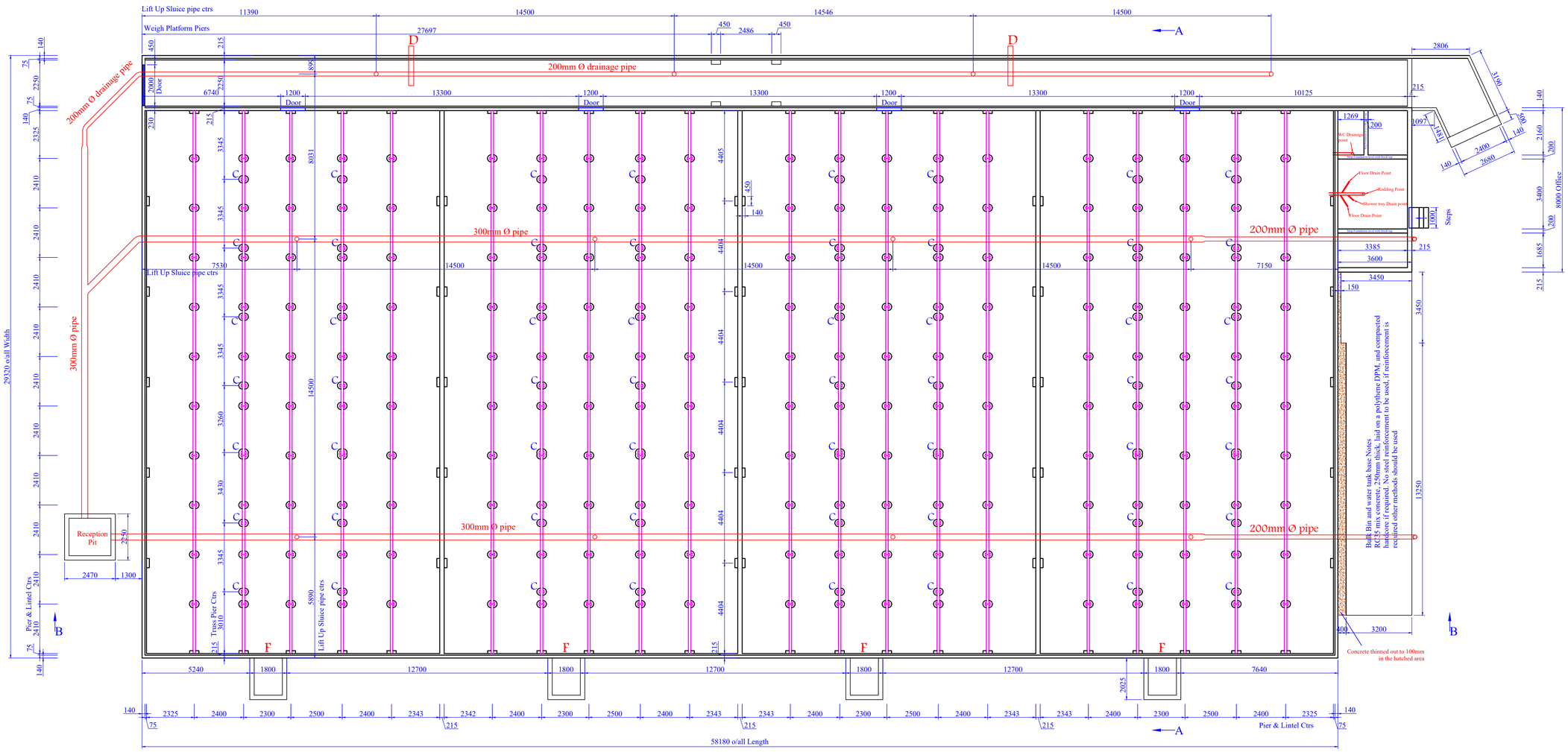
Rodding Detail - 215mm blockwork



Sectional Detail A-A



Sectional Detail B-B



Construction Notes (Main building tanks and side channel)

Excavate over site and reduce levels as shown.
Lay 300mm and 200mm Drainage as shown with 200mm Ø Lift up sluice points where indicated. 200mm Drainage to be used down the length of the passage and 300mm to be used under the main tank base.
Lay 150mm RC35 mix concrete with a power float finish on a polythene DPM.
Walls are formed in 140mm and 215mm hollow concrete blocks rodded upto the second course in every other frog. Use 16mm re-bar anchored into the base slab with R-KF2 chemical resin and 12mm re-bar rods above (see the rodding details) then fill full height, rendered and filleted internally. **Top course of blocks to be left unrendered**. Incorporate stainless steel WS090 wall starters/wall ties into the internal face in every course of all the walls which are going to take a block pier or a cross wall.
Block piers to the outside walls formed in 140mm hollow concrete blocks tied to the outside walls, rodded and filled full height. These piers should then be rendered. All joints must be bedded or buttered 100% 10mm thickness in class IV mortar.
The class IV mortar specification to BS 4721 is (multi cem :- cement: sand 1: 4), all proportion by volume.
Incorporate 250mm Ø side flush points in the side and of passageway only as shown (D)
All blocks 7N hollow concrete blocks.
Manholes to be formed down one side of building as indicated on drawings. These should be formed out of 215mm hollow concrete blocks rodded upto the second course, in every other frog with 16mm re-bar anchored into the base slab with R-KF2 chemical resin, 12mm re-bar rods above (see the rodding details) then fill full height, rendered and filleted internally. These **manholes must be 675mm deeper than the main slurry tank** and have an opening into the main tank as detail F. **Concrete slab for main tank base not to overhang into manholes.**
Use the Reinforced concrete piers supplied and haunch concrete around the base of these piers. Tops of all piers should be level, any discrepancy packers can be used underneath the piers before concrete haunching is placed round. M12 mild steel rods must be used to two sides as detailed and held in place by chemical resin to anchor them to the base slab. The top of all the piers to be held with stainless steel rods see the details (refer to details A).
Reinforced concrete lintels laid as shown with a minimum bedding down if req'd **(Wide part of the lintel to the top as detail B)**
Lay Concrete slats as shown on a 3-4mm bailer twine instead of bedding down with sand and cement to block and lintel tops. Drill through the slats, lintel (on the joint) and into the pier as noted 'A', with a 12mm Stainless steel rod and resin to anchor them to the base slab.

Service Area

Perimeter walls formed in 215mm hollow concrete blocks on a 150 x 450 concrete strip foundation, on compacted hardcore. The class IV mortar specification to BS 4721 is (multi cem :- cement: sand 1: 4), all proportion by volume. All blocks 7N hollow concrete blocks.
Rod upto the second course in every other frog with 16mm re-bar anchored into the foundation with R-KF2 chemical resin. Use 12mm re-bar rods above (see the rodding details) then fill full height. Use excavated material from the main base dig and compact to raise levels up internally.
Form 200mm x 100mm concrete strip foundations as indicated to support internal wall panels. **Strip foundations to be level with top block**. Incorporate 110mm drainage points for W.C, shower outlet and drains. **Final position and drainage runs to be determined on site with client.**
Finish floor laid after erection of the building shell. Floor to be formed in 100mm RC35 mix concrete with a steel float finish on a polythene DPM over the compacted hardcore.
Steps to be formed in concrete upto side entrance of the service area.

NOTE:-
1) A Steel tape must be used at all times.
2) Any alterations must be approved by AMW prior to it being implemented.
3) Rainwater drainage to be sorted on site with client and AMW
4) Assumed datum point (to be determined on site with client)
5) Side Draw of pipes to be 250mm Ø (to be Capped)

The Groundwork contractor must notify AMW of any uncertainty regarding any construction detail.

AM Warkup Ltd
Aerodrome Works,
Lissett, Driffield,
East Yorkshire YO25 8PY
Tel: +44 (0) 1262 468666
Web: www.amwarkup.co.uk

COPYRIGHT
This drawing is the property of AM Warkup Ltd. It must not be reproduced in part or in whole without written permission of AM Warkup Ltd.

Client
Scampston Estate

Project Detail
Finishing House,
Baseworks

Project Address
Malton

Scale	Job No	Drawn
N.T.S		B.Dams
Date	**Drwg No**	**Checked**
20/09/2021	8190	
Revision		**Revision Suffix**