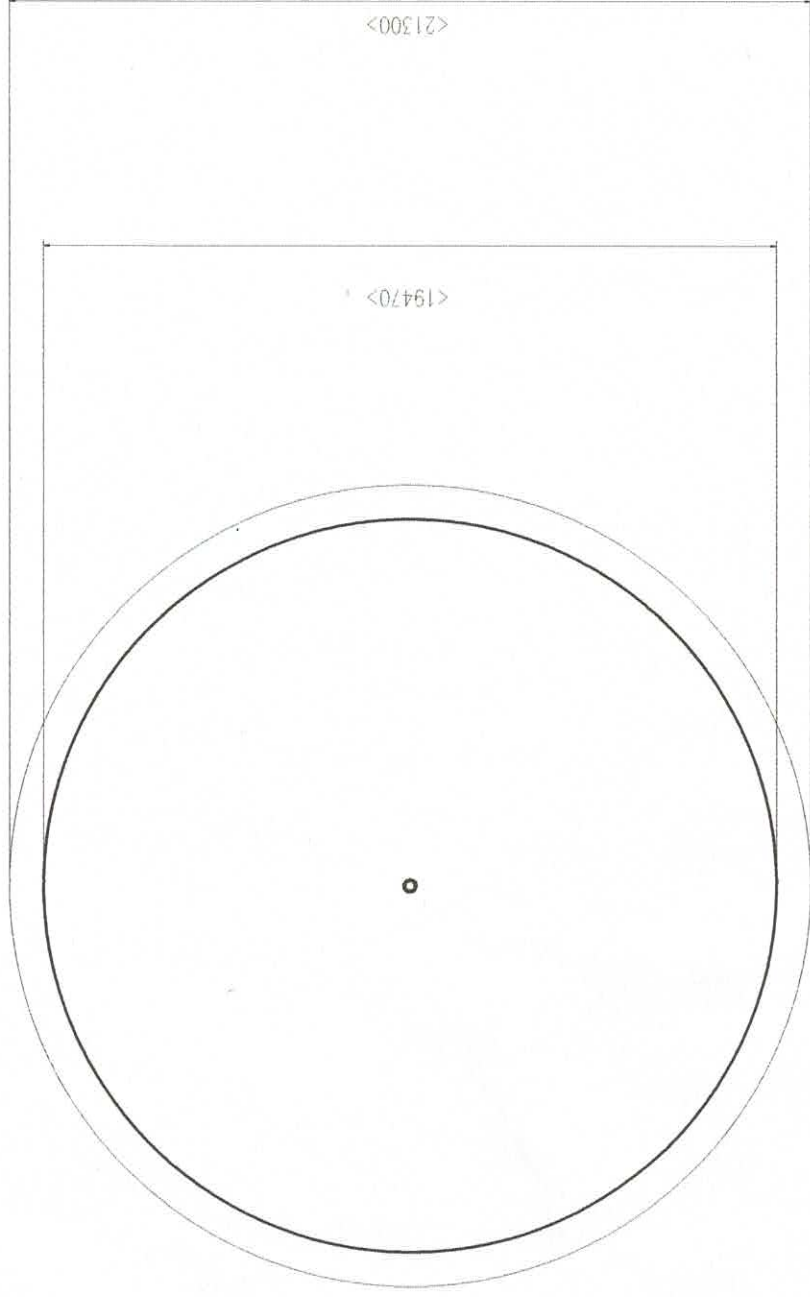
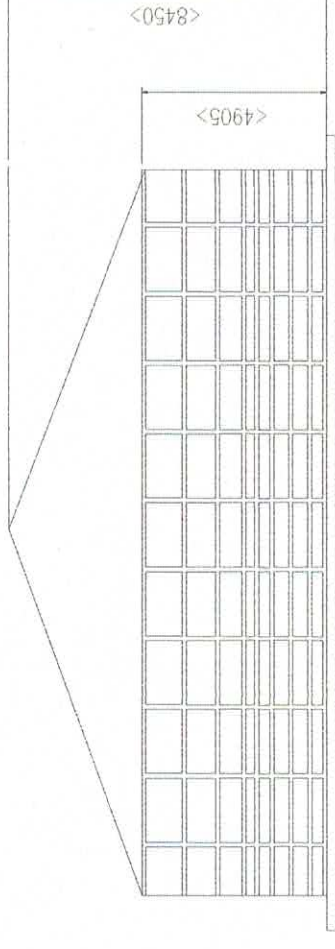
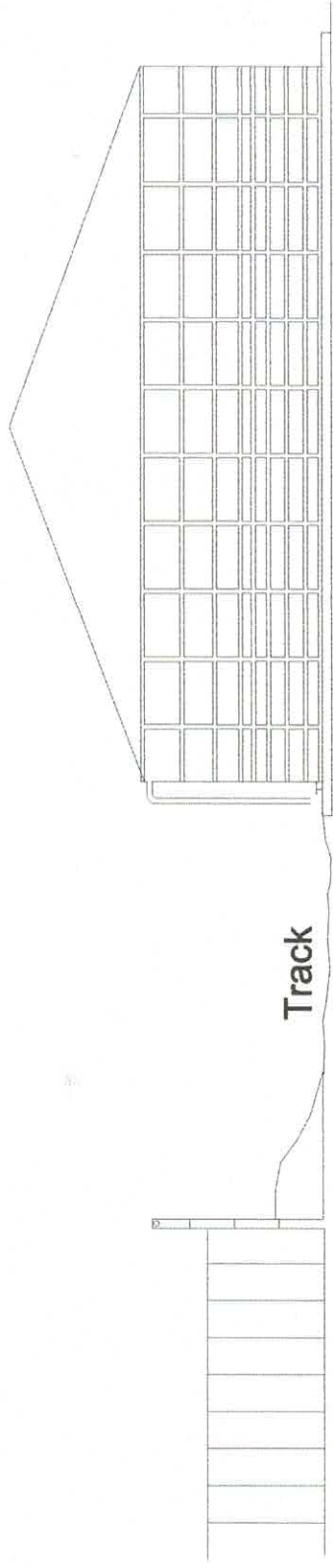




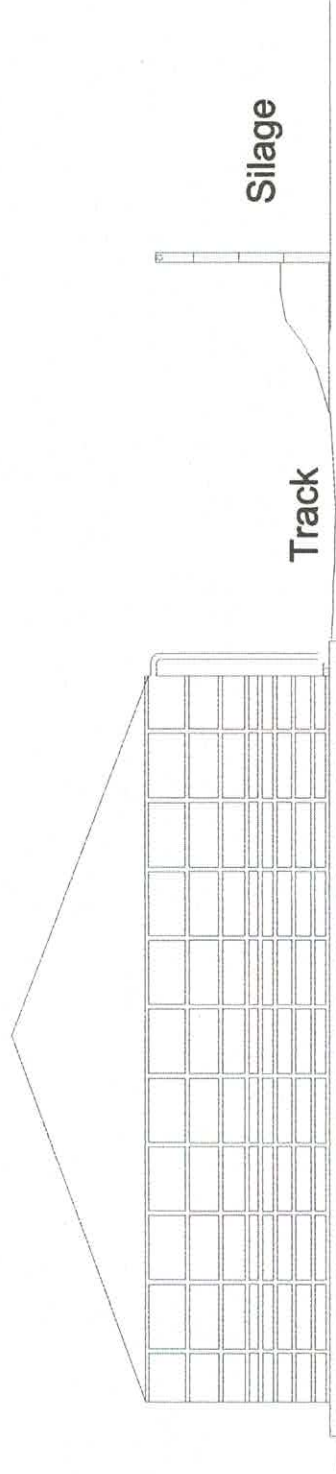
Concrete Slurry Store
Scale 1:200 @ A3



Materials:
Walls - Concrete
Cover - PVC coated polyester industrial fabric



West Elevation

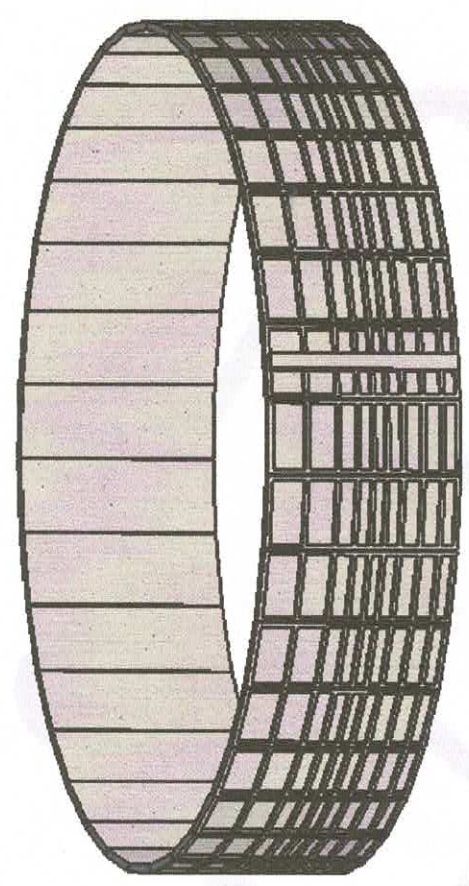
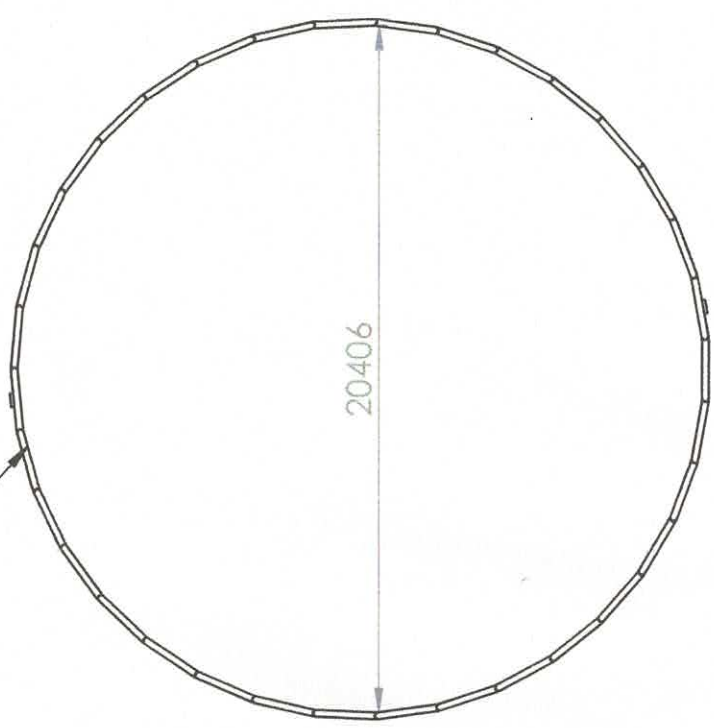


East Elevation

Concrete Slurry Store - Ground Levels
Scale 1:200 @ A3

329200 Gallons

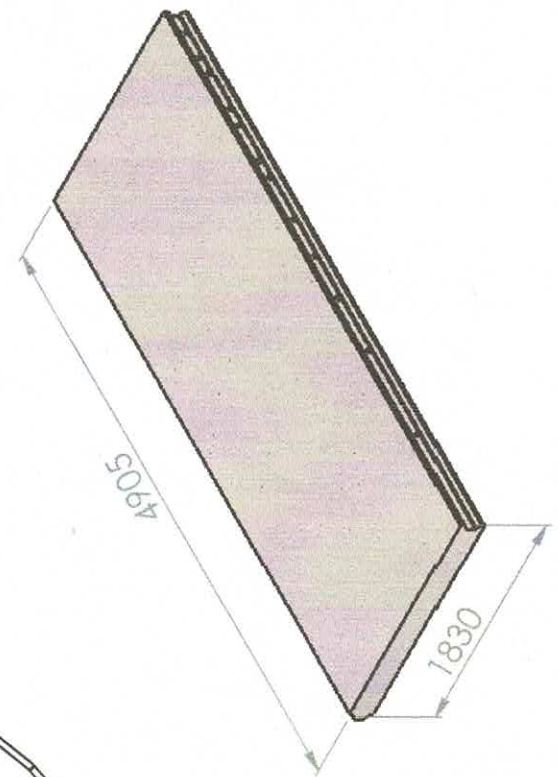
This is how the panels fit together. We fill the void with cement grout prior to full tension.



E

E

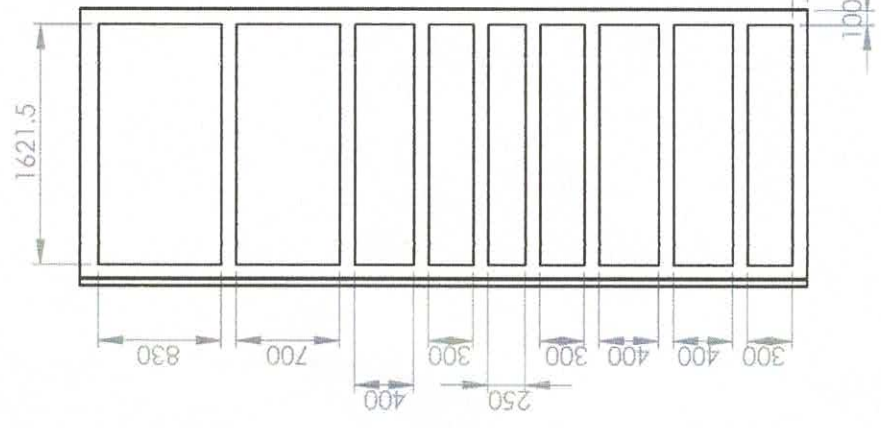
D



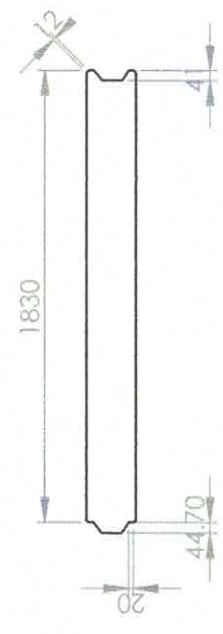
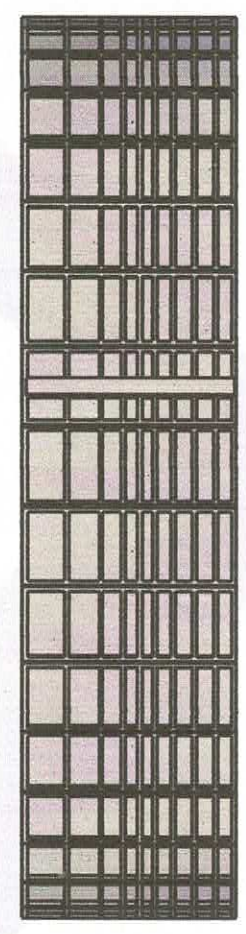
- Manufactured from C50 strength concrete for a long and durable lifespan, they are suitable for installation above or below ground and into hillsides depending on ground conditions.
- Each section is tied to the next with plastic coated strand which continue around the store and are tensioned when the whole store is erected.
- Once the store is erected and tensioned, all joints are sealed with polyurethane mastic. All vertical joints are double sealed as is the base joint with a ring beam.

D

C



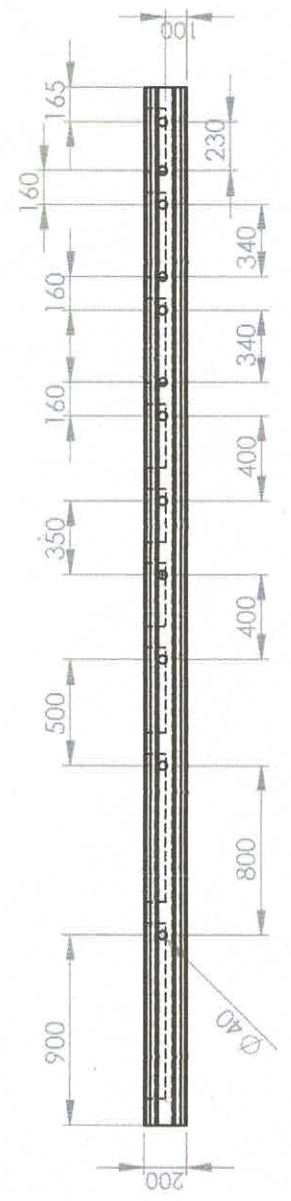
C



Thickness where no rib: 100mm.

B

B



DO NOT SCALE DRAWING

REVISION

CRAVEN CONCRETE LTD
Manufacture, Supply & Installation of
Quality Concrete For Agriculture And Industry
WWW.CRAVENCONCRETE.CO.UK

TITLE

35 PANEL SLURRY TOWER

DWG NO.

ST1830-35

MATERIAL

CONCRETE

DRAWN

SAM KIRBY

NAME

SIGNATURE

DATE

06/03/18

WEIGHT

TOLERANCES: +/-5mm

A3

SCALE: 1:500

SHEET 1 OF 1

8

7

6

5

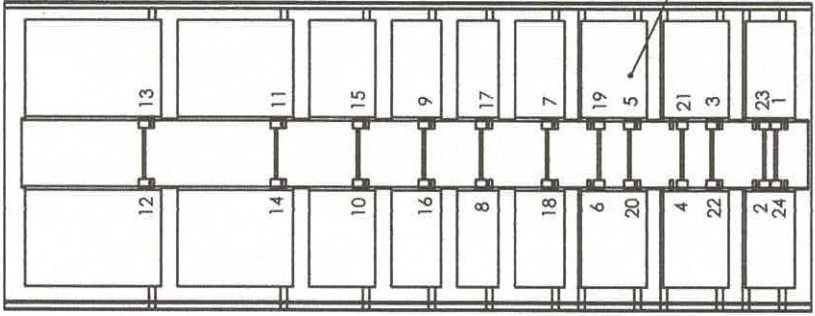
4

3

2

1

Top



1st tension on erection of panel 50 bar / 725 psi top and bottom strand.
50% on 1st Joining Panel: 63kN (150 bar / 2170 psi) Stressing Pressure
100% on 2nd Joining Panel: 126kN (299 bar / 4340 psi) Stressing Pressure

Tensioning Sequence

Bottom



Radius to Panel Joint 10221mm



12mm reinforcing loops set at 900mm centres around Perimeter of base.

357M₂ Base = 54M₃
Foundation = 5M₃
59M₃

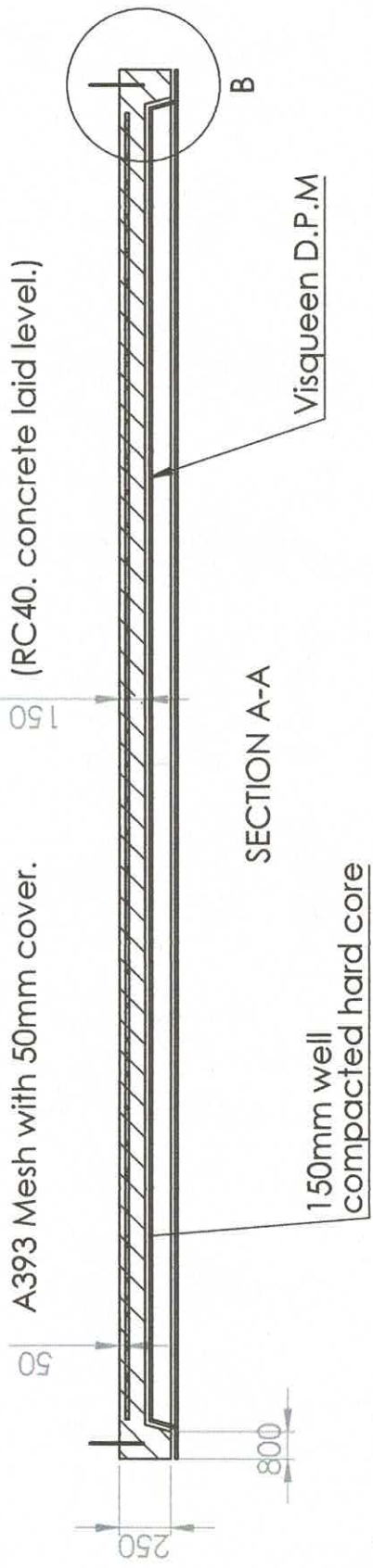
F

E

D

DETAIL B

A393 Mesh with 50mm cover. (RC40. concrete laid level.)



SECTION A-A

Visqueen D.P.M.

C

B



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CUSTOMER:	
STORE CAPACITY:	329200
DIA. OF BASE:	21.3M
NO. OF PANELS:	35

Details Of Base For Circular Concrete Slurry Store

DWG NO.	ST1830-35	MATERIAL:	CONCRETE
TITLE:			
DRAWN	SAM KIRBY	SIGNATURE	
CHK'D		DATE	30/05/18
		WEIGHT:	
		TOLERANCES:	
		A3	

5

4

3

2

1