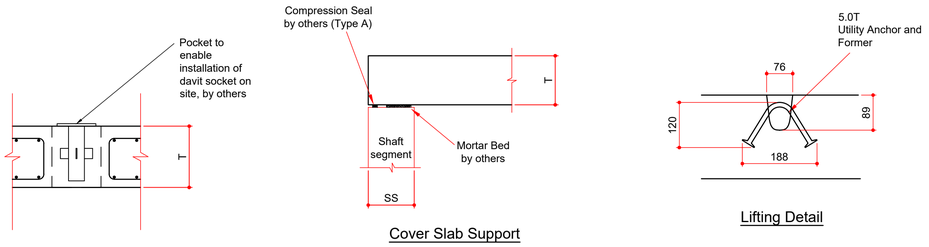
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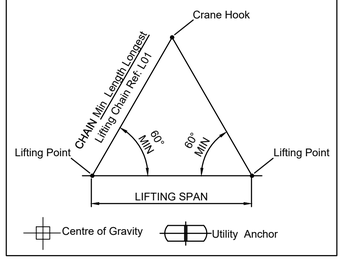
DO NOT SCALE, IF IN DOUBT PLEASE ASK.



Cover Slab Support

Lifting Detail

⚠ Lifting Instructions



Manufacture Tolerances		
Permissible dimensional deviations from mean dimensions shall be as follows:		
Length	Cross section (each direction)	
± 13mm	L < 150mm:	+10/-5mm
	L = 400mm:	+15/-10mm
	L > 2500mm:	± 30mm
Edge straightness (deviation from intended line)		
L < ± 1m:	± 8mm	
L > 1m:	± 8mm/m (but not to exceed ± 20mm)	
Holes, openings steel plates and inserts		
Size of hole or opening:		± 10mm
Location of holes, openings, steel plates, inserts:		± 25mm
All tolerances as specified in Eurocode.		

The Construction (Design and Management) Regulations 2015

a) If you are unsure of your responsibilities please refer to the HSE website.

b) The notes below and design details in (5) should be read by all CDM dutyholders alongside the cover slab layout, section details and additional notes. Whilst we do not go into specifics such as working at heights, working over excavations, slips and trips etc, where ⚠ is shown in the notes and on the drawing some potential hazard / risks are identified and should be assessed accordingly by the main contractor and his design team prior to any site works commencing.

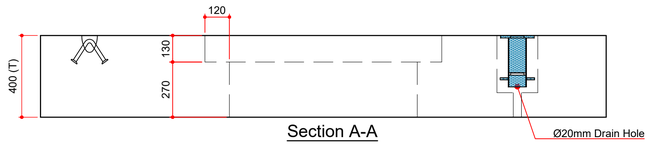
c) The F.P.McCann GA should be read in conjunction with all other relevant drawings from the contract design team e.g. Engineers, M&E sub-contrctors etc.

d) **Installation** - The slab reference letter usually indicates the order of placing. The slabs should be lifted using only the lifting equipment noted in (1) and all elements must be lifted in accordance with the main contractor's lifting plan / method statement.

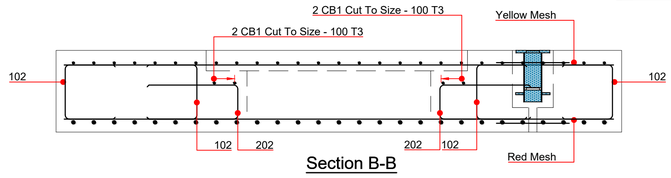
e) **Bearings** - It is the responsibility of the overall scheme designer to ensure that the bearings provided are strucutrally adequate in both the temporary and final condition, for the support of the precast units. Please also refer to the sections on the General Arrangement drawing.

f) **Voids & Openings** - Where pre-formed voids are provided the provision of a suitable edge protection or temporary cover should be supplied, installed and maintained by others. Additional voids may be formed subject to a design check by F.P.McCann. Non-percussion equipment should be used and particular care should be taken when forming holes post installation using a diamond core drill. Silica dust can be generated during all cutting activities of precast concrete units. Controls and protection against the inhalation of silica dust can be found in the HSE guidance publications.

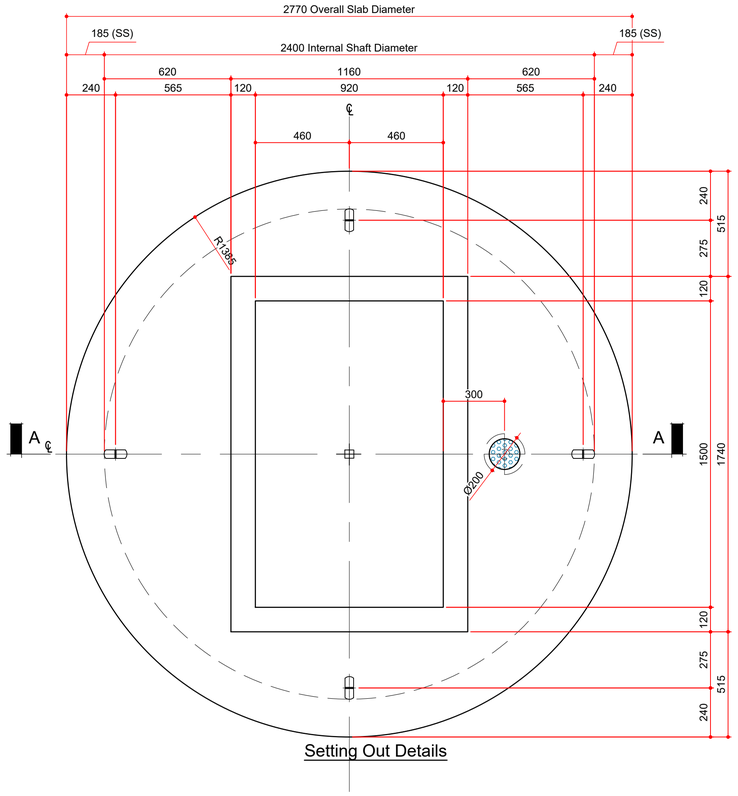
g) **Temporary Works** - F.P.McCann will not be responsible for the design, supply, errection, maintenance and dismantling of any temporary works. This is to be carried out by / in accordance with the main contractor's temporary works engineer.



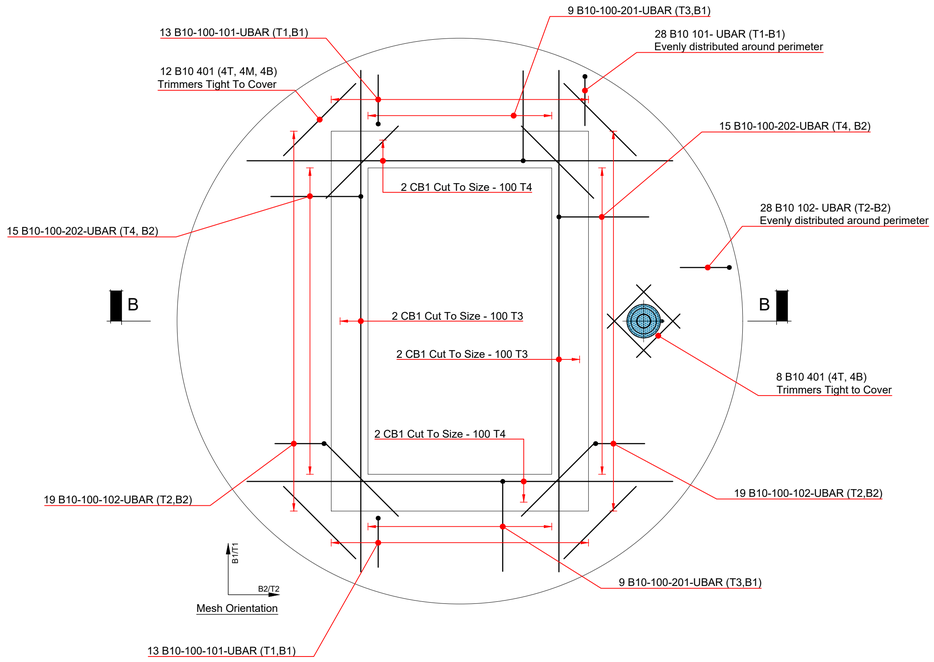
Section A-A



Section B-B



Setting Out Details



Mesh Orientation

Reinforcement Details

Notes:

1. ⚠ Handling

a) Volume / Weight *(based on a concrete density of 2.5T/m³)*:

Total Unit Vol (m³)	Steel Weight (T)	Conc Vol (m³)	Total Unit Weight (T)
1.871	N/A	N/A	4.922

b) All lifting points shall be used as specified below:
Also refer to Lifting & Handling Instructions Diagram on drawing.

Slab Factory & Site Handling System	Qty	Lifter Reference	SWL
Utility Anchors	4	LUA66G	5T

Anchor recesses to be filled by others on site.

c) For further guidance see Safety Data Sheet 011.

d) In the design of the lifting anchors,we have adopted a Dynamic Factor =1.3 (Stationary Crane / Mobile Crane, Hoisting speed >90m/min)

2. Concrete

a) Lifting strength based on 2 cubes = 20 N/mm².
b) Characteristic 28 day cube strength = 55 N/mm².
c) Concrete provides Design Chemical Class 4 (DC4) to Special Digest 1, Table F2.

3. Reinforcement

a) Reinforcement (500B or C) to BS4449.
b) Scheduling, dimensioning, bending and cutting to BS8666.
c) Cage to be tack welded and/or tied with 17 guage annealed tying wire.

4. Manufacture

a) Manufactured to BS EN 13369:2013.
b) Tolerances to BS EN 13369:2013 & BS EN 13670:2009.
c) Finishes: *As below unless indicated otherwise on drawing*

Top	Soffit & Sides	Slab Edge At Joints
Steel Float	Struck from Steel Mould	Struck from Wooden Mould

d) Marking: Units shall be indelibly marked to show:
- Contract number or name
- Unit reference and date of manufacture

5. ⚠ Design

a) Concrete design to BS EN 1992-1-1:2004.
b) Live Load = 5.0kN/m²
c) Fill over slab: N/A
d) F.P. McCann have designed the concrete units only, the stability of the support conditions should be checked by overall scheme designer.
e) Design Life: >100 years to BS8500.
f) Cover to Reinforcement & Exposure:

Face	Block	Min Cover	Max Cover	Exposure		
Top	55mm	50mm	60mm	XC3/4	XD3	XF4
Sides	35mm	30mm	40mm	XC3/4	XD1	XF4
Soffit	35mm	30mm	40mm	XC3/4	XD1	XF4

6. Slab Diameter

Should the cover slab fit within a concrete collar or be otherwise confined, it is the responsibility of others to check that the outside diameter dimension indicated on this drawing (with reference to the tolerance note) allows sufficient tolerance for placement. The diameter may be reduced provided there is sufficient bearing.

7. Sealing (supplied & fitted by others)

Type A	Type B	Type C
Compression Seal	Expanding Seal	Polysulphide Sealant

Note: The sealing of the slab is the responsibilty of others - details indicated are for guidance only. Manufacturer's details should be followed.

Delivery Type
Slab OD of 2770mm requires a Standard Delivery on a Arctic / Ridgid Vehicle



Rev	Date	Revision detail	By	Chk'd

Status: For Construction
Suitability: A

FP McCann
Ellistown (manufactured at Cadeby)
Whitehill Road, Leicestershire LE67 1ET
Tel: +44 (0)15 3024 0000
Fax: +44 (0)15 3024 0015
www.fpmccann.co.uk

Client: WPI Civil Engineering Ltd
Gorton - Mount Road

Project:

Title: Ø2400 ID x Ø3060 OD Cover Slab GA, Reinforcement Details

Drawn: MRB	Checked: AR	Approved: LK
Internal Ref: DS25-NW-199174	Date: 30/01/25	Scale: 1:15

Drawing no: GOR-FPM-XX-XX-DR-X-0001
Rev: C03

MESH KEY
RED = 16 @ 100
YELLOW = 10 @ 100

SLAB REF	MESH REF		MESH WEIGHT INC U-Bars Kg / Tonne
	BOTTOM MESH	TOP MESH	
BLUE			
GREEN			
ORANGE	RED	YELLOW	300Kg / 0.300T
WHITE			
PURPLE			
GREY			

Bar Bending Schedule 2770 OD

Member Ref	Bar Mark	Type & Size	No of Mbrs	No per Mbrs	Total No.	Total Length of each Bar	Shape Code	A*	B*	C*	D*	R/r*	Rev
Ubar (T1-B1)	101	B10	1	1	52	780	21	240	300	240			
Ubar (T2-B2)	102	B10	1	1	64	755	21	240	275	240			
Ubar (T3-B1)	201	B10	1	1	18	1050	21	440	170	440			
Ubar (T4-B2)	202	B10	1	1	30	1025	21	440	145	440			
CB01	301	B16	1	1	8	2690	0	2690					
Trimmers	401	B10	1	1	24	500	0	500					

QC Check		
Check	By	Date
Crit Dims		
Pre Pour		
Post Pour		

Reinforcement mats to be manufactured as complete mats (i.e. no cut outs).

Steel is to be cut locally at the voids positions, and trimming steel placed as shown. (min. cover to be maintained)