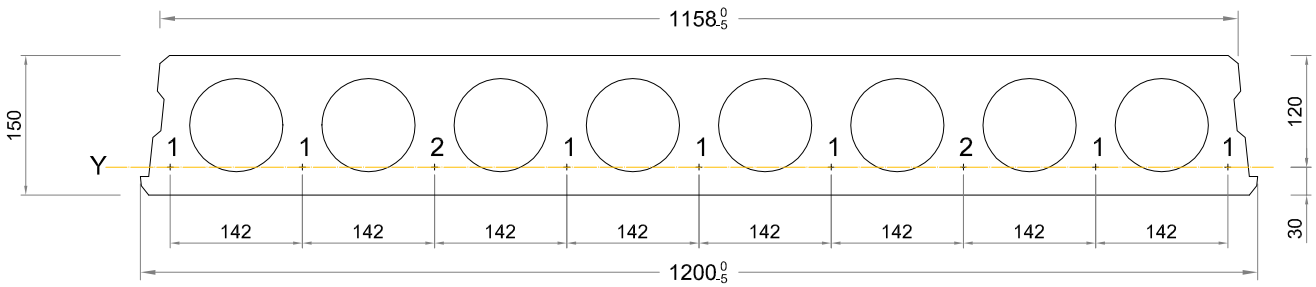
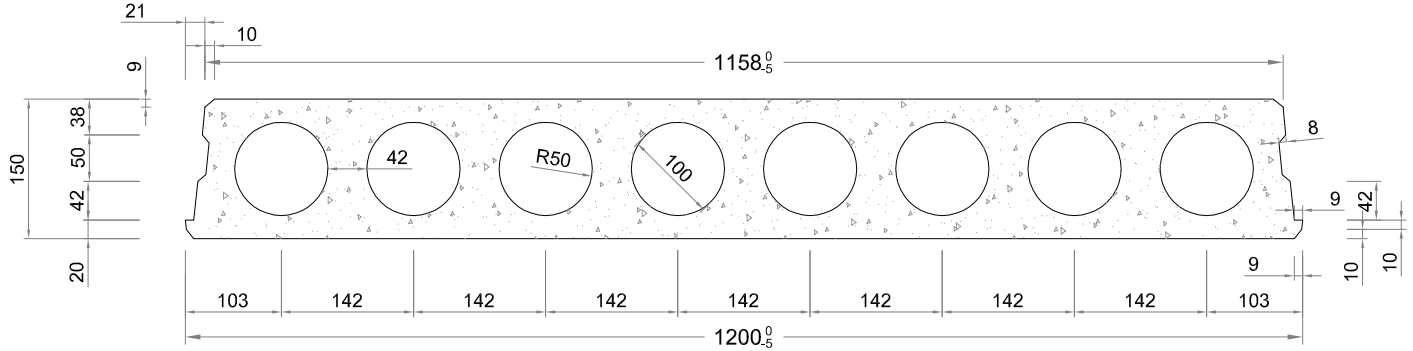
ALL DIMENSIONS IN MILLIMETERS DO NOT SCALE



HOLLOW CORE SLAB FOR FLOOR

150mm high - 8 holes (extruder technology)

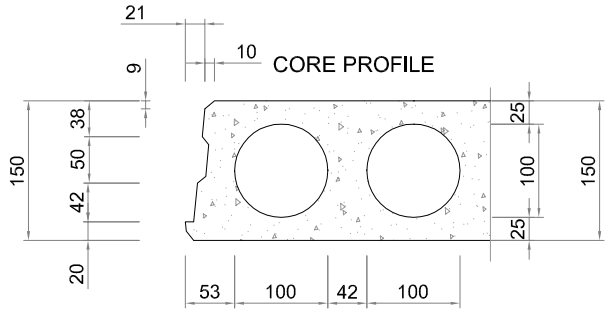
STRAND POSITION



HOLLOWCORE SLAB FOR FLOOR

150mm high - 8 holes (extruder technology)

UNIT PROFILE



UNIT DETAILS	
CROSS SECTION AREA m²	0.1125
WEIGHT kg/m²	225
WEIGHT kg/m	270

STRAND DETAILS		
Level	Strand Position	Strand Diameter
Y	1	9.3mmø ONLY
Y	2	9.3mmø - 12.5mmø

ORANMORE PRECAST LTD HC FLOOR NOTES: A4

1. ALL UNITS TO BE DESIGNED, MANUFACTURED & ERECTED IN ACCORDANCE WITH BS8110 & EN1168.

   CONCRETE GRADE C40/50 STRAND COVER 25mm
   DURABILITY MODERATE FIRE RESISTANCE 1hr
   SURFACE FINISH TO SOFFIT TYPE A
   DESIGN SERVICEABILITY CLASS CLASS 2

2. **SERVICE OPENINGS -** PREFORMED HOLES / CUT OUTS ARE TAKEN TO THE CENTER OF THE NEAREST CORE. IN SOME CASES THE HOLE /CUTOUT MAY BE GREATER THAN SHOWN ON THE DRAWING. PLEASE NOTE PREFORMED HOLES / CUT OUTS WILL HAVE A ROUGH EDGE. SERVICE HOLES UP TO 65mmø MAY BE DRILLED THROUGH THE CENTERLINE OF THE CORES BY OTHERS. TO AVOID SPALLING OF THE SOFFIT DRILLING SHOULD COMMENCE FROM BOTTOM UP. CARE SHOULD BE TAKEN NOT TO DAMAGE THE STRUCTURAL RIBS OR PRESTRESSING STRANDS. NO PRESTRESSING SLAB TO BE CUT FOR LARGER OPENINGS/NOTCHES WITHOUT FIRST CONSULTING WITH ORANMORE PRECAST LTD. DESIGN OFFICE . STEEL TRIMMER HANGERS CAN BE SUPPLIED FOR LARGE OPENINGS WHERE REQUIRED.

3. **BEARING -** UNITS ARE TO BE LAID ON A LEVEL BEARING OF NOT LESS THAN 100mm ON BLOCKWORK OR 75mm ON STEEL OR RC CONCRETE. IT IS THE RESPONSIBILITY OF THE MAIN CONTRACTOR TO PROVIDE LEVEL BEARING SURFACES & MUST BE ERECTED IN GOOD TIME & BE SUITABLY CURED BEFORE INSTALLATION OF HC UNITS. THE DESIGN OF THE SUPPORTING ELEMENTS IS THE RESPONSIBILITY OF THE ARCHITECT/STRUCTURAL ENGINEER. DRYPACKING/MORTAR BED MUST BE PUT IN PLACE WHERE SIDE BEARING OCCURS IN ORDER TO TRANSMIT EXCESS LOADINGS ONTO FOUNDATIONS.

4. **GROUTING & FINISHES -** JOINTS BETWEEN UNITS MUST BE GROUTED UP WITH CONCRETE OR SAND CEMENT MORTAR (CONCRETE GRADE C25/30) BY THE MAIN CONTRACTOR. THE GROUT MATERIAL SHALL BE COMPACTED INTO THE JOINT FROM THE TOP. THE UNITS MUST BE GROUTED PRIOR TO LOADING OUT WITH BLOCKS OR ANY CONCENTRATED LOAD.

5. **CUTTING OF UNITS -** UNDER NO CIRCUMSTANCES SHOULD UNITS BE CUT WITHOUT FIRSTLY CONSULTING OPL DESIGN OFFICE.

6. **STACKING & LIFTING -** SLAB MUST BE LIFTED AT OR NEAR THE ENDS. LIFTING AT THE CENTER WILL CAUSE BREAKAGE AND ORANMORE PRECAST WILL NOT ACCEPT RESPONSIBILITY. WHEN STACKING UNITS THEY MUST BE SUPPORTED APPROX. 300mm FROM THE ENDS AND SUITABLE TIMBER SKIDS MUST BE USED.
   '***CAPSTAN ANCHOR***' LIFTERS WILL BE PROVIDED TO PC UNITS WHERE REQUIRED INDICATED THUS = ⏀ ON G.A. LAYOUT PLAN.

7. A PRECAMBER OF APPROXIMATELY LENGTH/300 (+/- 25%) CAN BE EXPECTED ON ALL PRESTRESSED FLOORING UNITS.

REV	DATE	BY	DESCRIPTION
A	29.04.16	DD	FOR INFORMATION ONLY

DWG STATUS: FOR INFORMATION

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TITLE: HOLLOWCORE DATA SHEET

DRAWING: 150mm STANDARD PROFILE

SCALE:	DATE:	REV NO:
NTS	29.04.16	A

DRAWN BY:	CHECKED:	DRAWING NO:
DD	SS	150S

ORANMORE PRECAST Ltd 2012