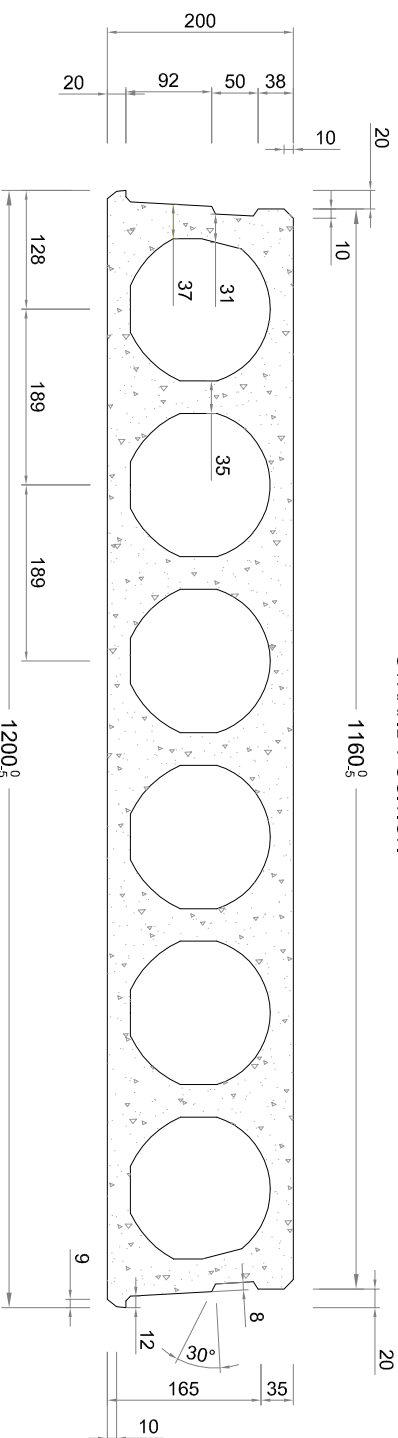
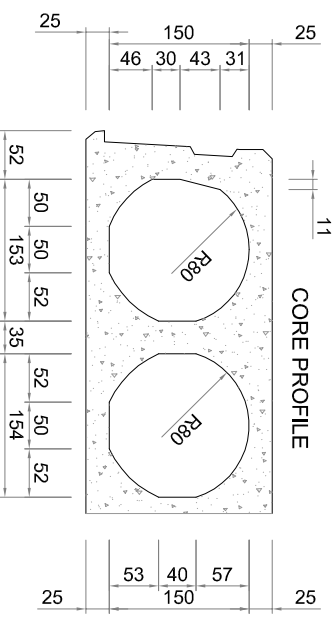


HOLLOW CORE SLAB FOR FLOOR  
200mm high - 6 holes (extruder technology)  
STRAND POSITION



HOLLOW CORE SLAB FOR FLOOR  
200mm high - 6 holes (extruder technology)  
UNIT PROFILE



CORE PROFILE

UNIT DETAILS	
CROSS SECTION AREA m <sup>2</sup>	0.121277
WEIGHT kg/m <sup>2</sup>	242
WEIGHT kg/m	292
VOLID/SOLID RATIO	43%
STRAND DETAILS	
Level	Strand Position
X	1
Y	2 - 3
Strand Diameter	
9.3mm - 12.5mm (Prov. 2 suggested 9.3mm)	

**ORANMORE PRECAST LTD HC FLOOR NOTES:**

- ALL UNITS TO BE DESIGNED, MANUFACTURED & ERRECTED IN ACCORDANCE WITH BS8110 & EN198.
- CONCRETE GRADE C40/50 STRAND COVER DURABILITY MODERATE FIRE RESISTANCE SURFACE FINISH TO SOFRT TYPE A DESIGN SERVICE/ABILITY CLASS CLASS 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 SERVICE OPENINGS UP TO 500mm MAY BE DRILLED THROUGH THE CENTERLINE OF THE CORES BY OTHERS. TO AVOID SPALLING OF THE SOFRT DRILLING SHOULD COMMENCE FROM BOTTOM UP. CARE SHOULD BE TAKEN TO AVOID THE STRAND SLIDING OUT OF THE HOLES. SERVICE OPENINGS SHOULD BE REINFORCED WITH STEEL OR LARGER OPENINGS/NOTCHES WITHOUT FIRST CONSULTING WITH ORANMORE PRECAST LTD. DESIGN OFFICE. STEEL TRIMMER HANDERS CAN BE SUPPLIED FOR LARGE OPENINGS WHERE REQUIRED.
- BEARING UNITS** ARE TO BE LAID ON A LEVEL BEARING OF NOT LESS THAN 100mm OF BEDDING OR 75mm ON STEEL OR TO CONCRETE. LEVEL BEARING SURFACES & MUST BE ERRECTED IN GOOD TIME & BE SUITABLY CURED BEFORE INSTALLATION OF HC UNITS. THE DESIGN OF THE SUPPORTING ELEMENTS IS THE RESPONSIBILITY OF THE ARCHITECT. THE UNITS MUST BE LAID ON A LEVEL BEARING. THE UNITS MUST BE PUT IN PLACE WHERE SIDE BEARING OCCURS IN ORDER TO TRANSMIT EXCESS LOADINGS ON TO FOUNDATIONS.
- 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 AND FINISHED WITH BEDDING GRANITE CONCENTRATED LOAD.
- CUTTING OF UNITS** - JUNCTIONS AND CIRCULAR TACKERS SHOULD UNITS BE CUT WITHOT FIRSTLY CONSULTING OUR DESIGN OFFICE.
- STACKING & LIFTING** - SLAB MUST BE LIFTED AT OR NEAR THE ENDS. LIFTING AT THE CENTER WILL CAUSE BREAKAGE AND ORANMORE UNITS WILL BE DAMAGED. UNITS MUST BE LIFTED BY THE ENDS AND MUST BE SUPPORTED APPROX. 300mm FROM THE ENDS AND SUITABLE FIBER STRIPS MUST BE USED. **CANTILEVER ANCHOR** LIFTERS WILL BE PROVIDED TO PC UNITS WHERE REQUIRED AND CANTILEVER UNITS 125 ON G/LAN OUT PLAN.
- A PRECAMBER OF APPROXIMATELY 1 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**

**ORANMORE PRECAST**  
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TITLE: **HOLLOWCORE DATA SHEET**

DRAWING: **200mm STANDARD PROFILE**

SCALE:	DATE:	REV/NO:
NTS	29.04.16	A

DRAWN BY:	CHECKED:	DRAWING NO:
DD	SS	2005