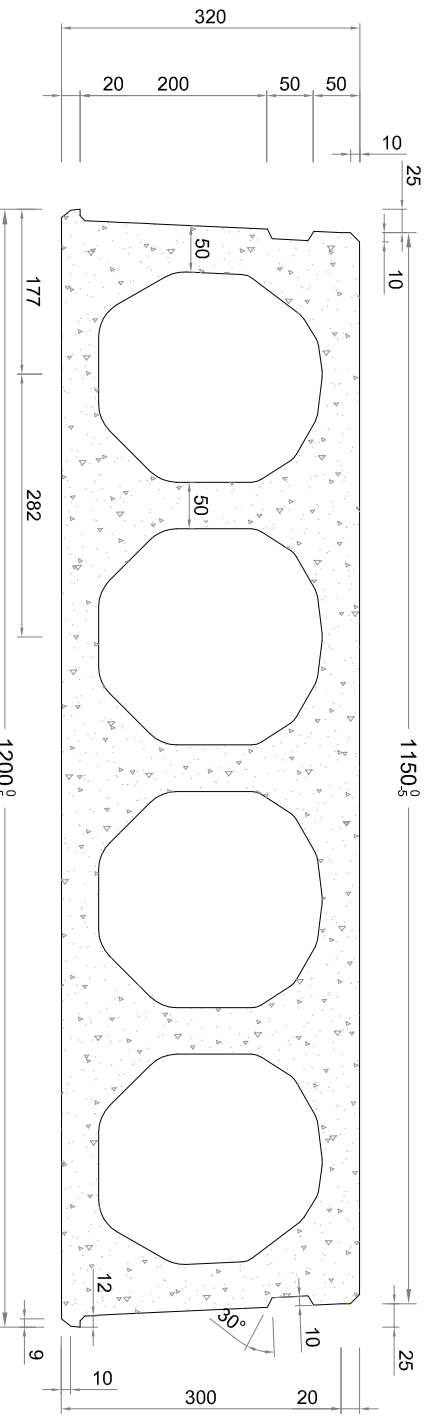


HOLLOW CORE SLAB FOR FLOOR

320mm high - 4 holes (extruder technology)

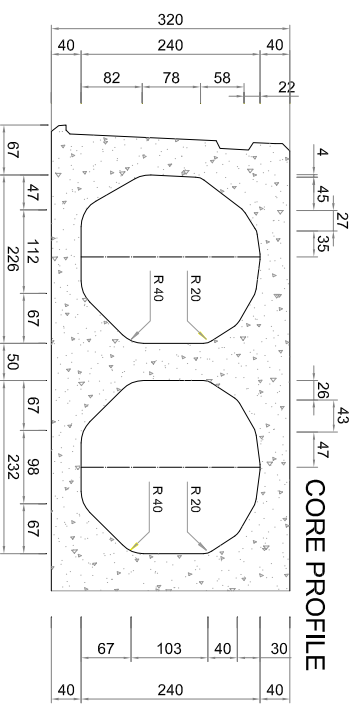
STRAND POSITION



HOLLOW CORE SLAB FOR FLOOR

320mm high - 4 holes (extruder technology)

UNIT PROFILE



CORE PROFILE

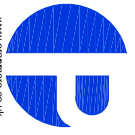
UNIT DETAILS		
CROSS SECTION AREA m <sup>2</sup>	0.1890	
WEIGHT kg/m <sup>2</sup>	378	
WEIGHT kg/m	454	
VOID/SOLID RATIO	49%	
STRAND DETAILS		
Level	Strand Diameter	
X	1	9.3mm
Y	2	9.3mm - 12.5mm
	7	9.3mm
Z	3 - 4 - 5 - 6	9.3mm - 12.5mm

**ORANMORE PRECAST LTD HC FLOOR NOTES:**

- ALL UNITS TO BE DESIGNED, MANUFACTURED & ERECTED IN ACCORDANCE WITH BS8110 & EN1981.
- CONCRETE GRADE C40/50 STRAND COVER DURABILITY MODERATE FIRE RESISTANCE SURFACE FINISH TO SOFFIT TYPE A DESIGN SERVICEABILITY 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 CONSULT WITH THE DESIGNER. SERVICE OPENINGS MAY BE DRILLED THROUGH THE CENTRAL LINE OF THE CORES BY OTHERS. TO AVOID SPALLING OF THE SOFFIT DRILLING SHOULD COMMENCE FROM BOTTOM UP. CARE SHOULD BE TAKEN TO DAMAGE THE STRAND SLAB. BE CUT OUTS ARE TO BE MADE IN THE STRANDS. THE STRANDS MUST BE CUT OR LARGER OPENINGS/NOTCHES WITHOUT FIRST CONSULTING WITH ORANMORE PRECAST LTD. DESIGN OFFICE. STEEL TRIMMER HANGERS 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 ERECTED IN GOOD TIME & BE SUITABLY CURED BEFORE INSTALLATION OF HC UNITS. THE DESIGN OF THE SUPPORTING ELEMENTS IS THE RESPONSIBILITY OF THE DESIGNER. THE UNITS MUST BE SUPPORTED AT ALL ENDS AND 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 CONCENTRATED LOAD.
- CUTTING OF UNITS** - UNDER NO CIRCUMSTANCES SHOULD UNITS BE CUT WITHOUT FIRST IN 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 **CANTILEVER UNITS** WILL BE PROVIDED TO PC UNITS WHERE REQUIRED AND CANTILEVER UNITS ON DAY LAY OUT PLAN.
- A PRECAMBER OF APPROXIMATELY LENGTH 930 (+/- 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: **HOLLOW CORE DATA SHEET**

DRAWING: **320mm HOLLOW CORE PROFILE**

SCALE:	DATE:	REV/NO:
NTS	29.04.16	A

DRAWN BY: **SS** CHECKED: **SS** DRAWING NO: **320**

ORANMORE PRECAST LTD 2012