Concrete:
- Concrete compressive strength at 28 days: $F_{cu}/F'_{c} = 40/32$ MPa.
- Concrete compressive strength at releasing/demolding time.
- Type of cement: OPC.
- Additives:

Steel:
- Normal reinforcing steel: BS4449, $F_{y} = 460$ MPa.
- Prestress reinforcing steel: low-relaxation 7 Wire strands complying with ASTM A416 grade 270.

General Notes:
- All dimensions are in millimeters, all levels in meters.
- Do not scale from this drawing. Only written dimensions are to be considered.
- Concrete clear cover for reinforcing steel as per ACI-318 sec (7.7.1): Wall panel: $F_{ci} = 0.6 (F_{cu}/F'_{c})$.

Materials:
- Extruded Polystyrene thermal Insulation board Type V Classification.
- Density of Insulation: 32-35 kg/m³.
- Thermal Insulation:
  - Extruded Polystyrene: $\lambda = 0.0292$ W/m.k.
  - Isoboard Extruded Polystyrene: $\lambda = 0.0279$ W/m.k.

EXEED PRECAST®
SANDWICH PANEL

PANEL THICKNESS IN CM.

EXTERNAL LAYER

CONCRETE REINFORCED 70 mm

INSULATION

EXTRUDED POLYSTYRENE 60 mm

INTERNAL LAYER CONCRETE REINFORCED 70 mm

PRECAST INSULATED WALL PANEL, 280 mm THK

PRODUCT DATA SHEET

REF. EXP-SW-28/11

DATE. 30/04/2012 REV. NO. 0