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

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

GENERAL NOTES:
- All dimensions are in millimeters, all level 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/m^3
- Thermal Insulation:
  - Extruded Polystyrene (K = thermal conductivity):
    - Isoboard Extruded Polystyrene $y=0.0292\text{W/m.k}$
  - EXEED PRECAST SANDWICH PANEL
  - PANEL THICKNESS IN cm.
  - INSULATION THICKNESS IN cm.
  - EXTERNAL LAYER
  - CONCRETE REINFORCED 70mm
  - INTERNAL LAYER CONCRETE REINFORCED 70mm
  - PRECAST INSULATED WALL PANEL, 260mm THK

PRODUCT DATA SHEET
- REF. EXP-SW-26/11
- DATE 30/04/2012 REV. N O. 0
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