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.

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: $F_{ci} = 0.6 (F_{cu}/F'_c)$.
- 20mm-30mm

This drawing is the property of Exeed Precast Co. Design department.

Materials:
- Extruded Polystyrene thermal Insulation board Type VI Class C:
  - Classification: Density of Insulation = 32-35 kg/m³
  - Thermal conductivity: < 0.0279 W/m.k

Thermal Insulation:
- External Insulation:
  - Extruded Polystyrene:
    - Type: VIClassification
    - Density of Insulation = 32-35 kg/m³
    - Thermal conductivity:
      - Isoboard Extruded Polystyrene: < 0.0292 W/m.k

Product Data Sheet:
- Pre Cast Insulated Wall Panel, 300mm THK

EXP-SW-30/10

Product Data Sheet
- REF. EXP-SW-30/10
- DATE. 30/04/2012
- REV. N O. 0

External Layer:
- Concrete Reinforced: 70mm

Insulation:
- Extruded Polystyrene: 60mm

Internal Layer:
- Concrete Reinforced: 70mm

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