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 conductivity = 0.0292 W/m.K (Chemical conductivity) = 0.0279 W/m.K
- Thermally Insulated Panel Thickness in cm:
  - External Layer
  - Concrete Reinforced: 70 mm
  - Extruded Polystyrene: 60 mm
  - Internal Layer
  - Concrete Reinforced: 70 mm

PRODUCT DATA SHEET
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