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 VIClassification Density of Insulation = 32-35 kg/m³
- Thermal Insulation:
  - K (thermal conductivity) Emirates Extruded Polystyrene = 0.0279 W/m.k
  - K (thermal conductivity) Isoboard Extruded Polystyrene = 0.0292 W/m.k

EXP-SW-28/10

EXEED PRECAST
SANDWICH PANEL
PANEL THICKNESS IN cm.

EXTERNAL LAYER

CONCRETE REINFORCED 70mm

INSULATION

EXTRUDED POLYSTYRENE 60mm

INTERNAL LAYER CONCRETE REINFORCED 70mm

EXEED PRECAST LLC
P.O. Box 58999, Dubai, United Arab Emirates
Tel: +971 2 5509890, Fax: +971 2 5509895
Web Site: www.exceedprecast.ae
E-mail: info@exceedprecast.ae