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.

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: $F_{ci}=0.6 (F_{cu}/F'c)$. 20mm-30mm.
- This drawing is the property of: Exeed precast co. Design department.

MATERIALS:
- Extruded Polystyrene thermal Insulation board Type V Classification
  - Density of Insulation = 32-35 kg/m$^3$.
  - Thermal Insulation:
    - Extruded Polystyrene: $k=0.0292\text{W/m.k}$
    - Isoboard Extruded Polystyrene: $k=0.0279\text{W/m.k}$.

EXP-SW-24/11
EXEED PRECAST
SANDWICH PANEL

PANEL THICKNESS IN cm.

EXTERNAL LAYER
1
2
3
INSULATION
CONCRETE REINFORCED
70mm
EXTRUDED POLYSTYRENE
60mm
INTERNAL LAYER CONCRETE REINFORCED 70mm

PRECAST INSULATED WALL PANEL, 240 mm THK
PRODUCT DATA SHEET
REF. EXP-SW-24/11
DATE. 30/04/2012 REV. NO. 0

EXEED PRECAST LLC
P.O. Box 53509, Al Ain, UAE
Tel: +971 3 5509890, Fax: +971 3 5509895
Web Site: www.exeedprecast.ae
E-mail: Info@exeedprecast.ae