Concrete:
- Concrete compressive strength at 28 days $F'c = 40\text{ MPa}$.
- 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 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: $F'c = 0.6 \times (F'c)$.
- 20mm - 30mm

This drawing is the property of: Exeed Precast Company.

MATERIALS:
- Extruded Polystyrene thermal Insulation board Type VIClassification Density of Insulation = 32-35 kg/m³
- Thermal Insulation:
  - ISOBOND Extruded Polystyrene $k = 0.0292 \text{ W/m.k}$
  - Emirates Extruded Polystyrene $k = 0.0279 \text{ W/m.k}$

EXEED PRECAST
SANDWICH PANEL
PANEL THICKNESS IN cm.

EXTERNAL LAYER

<table>
<thead>
<tr>
<th>SECTION</th>
<th>INSULATION</th>
<th>CONCRETE REINFORCED</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-A</td>
<td>70 mm</td>
<td>70 mm</td>
</tr>
</tbody>
</table>

INTERNAL LAYER CONCRETE REINFORCED 70 mm

EXTERNAL LAYER CONCRETE REINFORCED 70 mm

DATE 30/04/2012

EXEED PRECAST LLC
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PRODUCT DATA SHEET

REF. EXP-SW-23/11

INTERNAL LAYER CONCRETE REINFORCED 70 mm

ISOLATION EXTRUDED POLYSTYRENE 60 mm

EXTERNAL LAYER CONCRETE REINFORCED 70 mm

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