GENERAL NOTES
1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE CODES, RULES, AND REGULATIONS. OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
2. THE INFORMATION CONTAINED ON THESE DRAWINGS PERTAINING TO EXISTING CONDITIONS IS PROVIDED SOLELY AS THE BEST INFORMATION AVAILABLE AND ITS ACCURACY IS NOT GUARANTEED. VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
3. PROVIDE TRAFFIC CONTROL BARRICADES, SIGNS, LIGHTS, ETC. IN ACCORDANCE WITH LOCAL REGULATIONS AS NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC. MAINTAIN AT ALL TIMES DURING CONSTRUCTION.
4. COMPLY WITH THE LOCAL REQUIREMENTS OF SOIL EROSION AND SEDIMENTATION CONTROL. INSTALL ALL CONTROL MEASURES PRIOR TO CONSTRUCTION.
5. ALL REMOVED MATERIALS ARE THE PROPERTY OF THE CONTRACTOR. CLEANUP AND DISPOSE OF ALL EXCESS MATERIALS.

EXISTING OPEN SEWAGE CHANNEL
ADJACENT PROPERTY
EXISTING ROADS
APPROXIMATE SITE

LEGEND

EROSION AND DUST CONTROL PLAN
1. CLEAR AND GRUB SITE.
2. PROVIDE DUST CONTROL BY USE OF WATER.
3. INSTALL A SILT FENCE ADJACENT TO THE SEWAGE CHANNEL.

APPROXIMATE EXISTING CONDITIONS

NOT FOR CONSTRUCTION!

SCALE: 1mm = 0.5m
THE KHMER GENESIS PROJECT: GCT VILLA

DESIGNED BY: JACG
DRAWN BY: JACG
CHECKED BY: ALH & JJU

FOUNDATION PLAN AND DETAILS

NOT FOR CONSTRUCTION!
GENERAL NOTES:
1. ELEVATION OF PLATFORM SHALL BE 1000mm ABOVE THE SLAB.
2. SLOPE OF RAMP SHALL NOT EXCEED 1:12.

NOT FOR CONSTRUCTION!
NOT FOR CONSTRUCTION!
LEVEL 3: BREAK OUT ROOMS LAYOUT

NOT FOR CONSTRUCTION!

SCALE: 10mm = 1m
THE KHMER GENESIS
PROJECT: GCT VILLA

LEVEL 8:
RESIDENCE LAYOUT

NOT FOR CONSTRUCTION!

SCALE: 10mm = 1m
### Design Stresses
- Concrete Reinforcing Steel: $f_y = 414$ MPa
- Concrete: $f_c = 27.9$ MPa

### Design Loads
#### Roof Dead Load
- Ceiling: 0.43 kPa
- Coverings, Roof and Wall: 0.96 kPa
- Composite Floor Slab: 4.14 kPa
- Floors and Floor Finishes: 1.24 kPa
- Frame Walls: 4.2 kPa
- Miscellaneous: 2.40 kPa
- Total: 13.3 kPa

#### Floor Dead Load
- Ceiling: 0.43 kPa
- Coverings, Roof and Wall: 0.96 kPa
- Composite Floor Slab: 4.14 kPa
- Floors and Floor Finishes: 1.24 kPa
- Frame Walls: 4.16 kPa
- Miscellaneous: 2.40 kPa
- Total: 12.4 kPa

#### Live Loads
- Roof: 4790 kPa
- Floor 9: 4790 kPa
- Floor 8: 1916 kPa
- Floors 1-7: 4790 kPa

#### Wind Loads
- Wind Speed: 60 m/s
- Factor to account for wind speed increases due to hills (Kd): 1
- Factor accounting for wind direction (Kd): 1
- Importance factor (I): 1
- Internal pressure coefficient (GCp): 0.18

---

**FOR STIRRUPS #16 AND SMALLER**
- 4"Dbar

**ACI TABLE 7.2 MINIMUM DIAMETERS OF BEND**
- **BAR SIZE**
  - 6"Dbar
  - 8"Dbar
  - 10"Dbar

**MINIMUM DIAMETER**
- NO. 10 - NO. 25: 6"Dbar
- NO. 29, NO. 32, AND NO. 36: 8"Dbar
- NO. 43 AND NO. 57: 10"Dbar

---

**NOT FOR CONSTRUCTION!**
# Beam Schedule

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<tr>
<th>Beam Label</th>
<th>Height (mm)</th>
<th>Width (mm)</th>
<th>Stirrup Size</th>
<th>Stirrup Spacing (mm)</th>
<th>Bar Size</th>
<th>Number of Top Bars</th>
<th>Number of Continuous Top Bars</th>
<th>Number of Bottom Bars</th>
<th>Number of Continuous Bottom Bars</th>
<th>Bar Cut Off Length A (mm)</th>
<th>Bar Cut Off Length B (mm)</th>
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# Column Schedule

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<th>Tie Spacing (mm)</th>
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</tbody>
</table>

**NOT FOR CONSTRUCTION!**

**Bar Cutoff Lengths**

- Use hook at discontinuous end

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**Level 0 to Level 1**

**The Khmer Genesis Project: GCT Villa**

**DESIGNED BY:** JACG  
**DRAWN BY:** JACG  
**CHECKED BY:** ALH & JJU

**Sheet Title:** Column and Beam Schedule  
**Sheet No.:** S-2
NOT FOR CONSTRUCTION!

NOTE:
SEE SCHEDULE FOR BAR SIZES

SCALE: 1mm = 10mm