

CONSTRUCTION NOTES :

- A. GENERAL :
- CONSTRUCTION NOTES and TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED MODIFY DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
 - SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PIPE, CAST CONCRETE, ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS BEGUN. CHECK WITH ENGINEER'S OFFICE FOR ANY CHANGES.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND SPACING OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTION.

B. CONCRETE and REINFORCEMENT :

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF THE AMERICAN CONCRETE INSTITUTE (ACI 318 and ACI 315).
- ALL CONCRETE SHALL DEVELOP A MINIMUM ULTIMATE COMPRESSION STRENGTH AT 28 DAYS WITH CORRESPONDING MINIMUM SIZE OF AGGREGATE AND SLUMPS AS FOLLOWS.

STRUCTURE	STRENGTH AT 28 DAYS	MAXIMUM SIZE OF AGGREGATE	MAXIMUM SLUMP
CURB AND ORDINARY SLABS ON FILL	2,500 PSI (175kg/cm ²)	1" (25MM)	4" (100MM)
FOUNDATION	3,000 PSI (210kg/cm ²)	3/4" (19MM)	4" (100MM)
COLUMNS, STAIRS, BEAMS AND SUSPENDED SLABS	3,000 PSI (210kg/cm ²)	3/4" (19MM)	4" (100MM)
POST TENSIONED BEAMS	5,000 PSI (210kg/cm ²)	3/4" (19MM)	4" (100MM)

3. REINFORCING STEEL BARS SHALL CONFORM TO THE FOLLOWING YIELD STRENGTHS
- FOOTINGS SLAB ON GRADE POST TENSIONED BEAMS.
- COLUMNS AND BEAMS.
- CONCRETE SECOND FLOOR TO ROOF DECK.
- IN GENERAL, THE LATEST EDITION OF ACI 315, MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR INDICATED.

5. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS
- SUSPENDED SLABS
- SLABS ON GRADE
- WALLS ABOVE GRADE
- BEAM STIRRUPS AND COLUMN TIES
- WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS
- WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH

6. SPLICES SHALL BE SECURELY WELDED TOGETHER AND SHALL LAP OR EXTEND OR IN ACCORDANCE WITH THE FOLLOWING TABLE UNLESS SHOWN OTHERWISE ON DRAWING
- SPLICES SHALL BE STAGGERED WHEREVER POSSIBLE

BAR SIZE (MM)	MIN. LAPPED SPLICE	MIN. LAPPED SPLICE
#10	0.40M	1.18M
#12	0.45M	1.28M
#16	0.61M	1.48M
#20	0.76M	

7. ALL ANCHOR BOLTS, DOWELS AND OTHER INSERTS SHALL BE PROPERLY POSITIONED AND SECURED PRIOR TO PLACING OF CONCRETE.

8. CONTRACTOR SHALL NOTE ALL MISCELLANEOUS CURES, SILLS, STOOLS, EQUIPMENT AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL AND MECHANICAL DRAWINGS.

9. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF 7 CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOR SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.

10. STRIPPING OF FORMS AND SHORES

- FOUNDATION
- SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED
- WALLS
- BEAMS

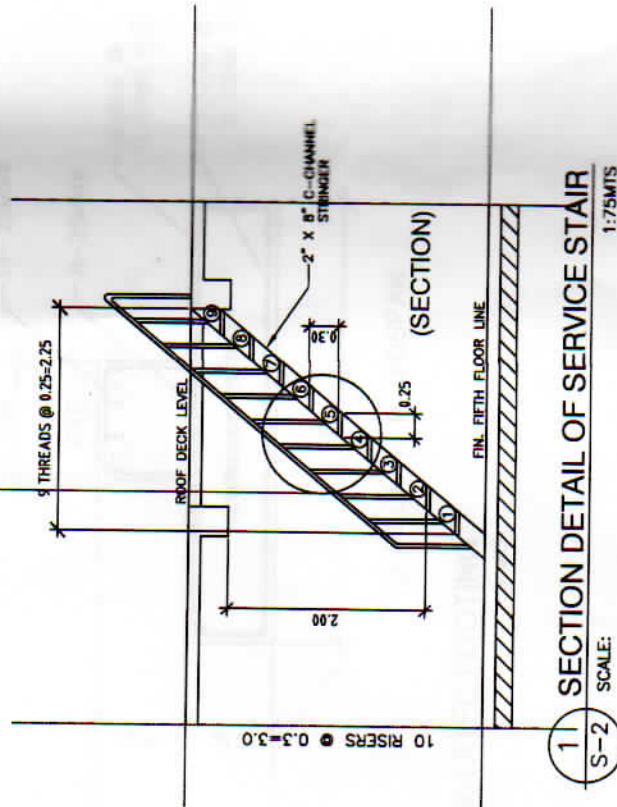
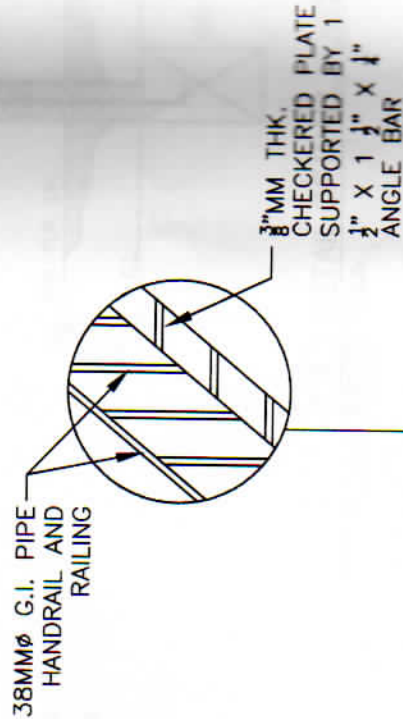
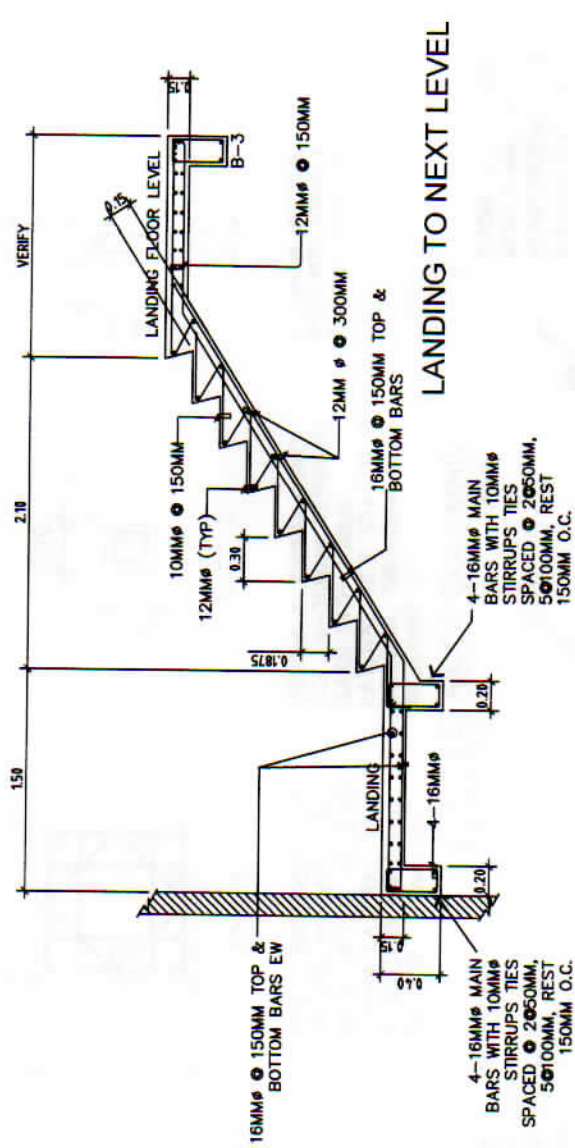
- 24 HOURS
- 7 DAYS
- 14 DAYS

- C. MASONRY CONCRETE BLOCKS:
- CONCRETE BLOCK SHALL DEVELOP A MINIMUM ULTIMATE STRENGTH OF 4500 PSI.
- EACH SIDE OF OPENING SHALL BE REINFORCED WITH 4-#4 BARS.
- UNITE BEAM SHALL BEAR AT LEAST (0.20M) ON EACH SIDE OF MASONRY WALL OPENING.
- WALL REINFORCEMENT SHALL BE AS FOLLOWS

WALL THICKNESS	VERTICAL REINF.	HORIZONTAL REINF.
6" (150MM) EXT.	#10 @ 0.60M	#10 @ 0.60M
6" (150MM) INT.	#10 @ 0.60M	#10 @ 0.60M
4" (100MM)	#10 @ 0.60M	#10 @ 0.60M

5. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 300 BARS DIAMETER WHERE SPACED FROM CONCRETE FOOTINGS OR SLABS SHALL EXTEND VERTICAL REINFORCING IN WALL.

6. ALL EXTERIOR WALLS MUST BE 150mm THICK CHB AND 100mm THICK CHB FOR INTERIOR WALLS



1 SECTION DETAIL OF SERVICE STAIR
S-2 SCALE: 1:75MITS

2 DETAIL OF MAIN STAIR
S-2 SCALE: 1:50MITS

OWNER	ARCHITECT/ENGINEER	ENGINEER	PROJECT TITLE	SHEET CONTENT	DRAWN BY	REVISION	SHEET NO.
VICENTE B. MAJANO, Ph.D. ADMINISTRATOR	FNGR. ROMEO M. DELAGU CIVIL ENGINEER	FNGR. ROMEO M. DELAGU CIVIL ENGINEER	REHABILITATION/REPAIR OF BASCO AND TOWER BUILDING	CONSTRUCTION NOTES DETAIL OF STAIRS	ANGU	RMP	S-2