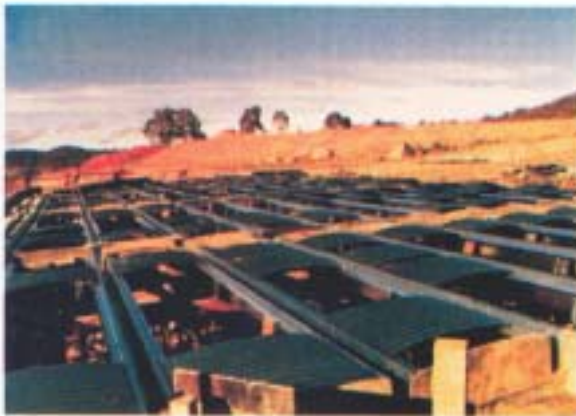




Formaply
INDUSTRIES, INC.

Corcon Structure Technology



***THE UNBEATABLE, COMPETITIVE, LOW
COST TECHNOLOGY FOR ANY BUILDING
STRUCTURE TODAY.***

What is the technology behind **Corcon's** very low construction cost for any building, school, hospital, mall and housing structure?

Corcon Structures are designed and constructed using composite structural steel and use of long span concrete floor systems capable of spanning 11 meters with 2 kpa occupancy load - thus less columns and less beams.

The patented technology of Corcon concrete floor system, Patent Application No. 52503 for Construction Systems filed on 27 February, 1996 uses a cast-in-place arched slab structure which has more strength and more load bearing capacity than conventional slab structures. The concrete floor is formed by using an impressive lightweight re-usable arched sheet metal formwork system with intermediate beams at 1.2m centers - a very economical construction methodology.

The arches and intermediate beams act as a slab. Using the engineering strength of an arch, **Corcon** requires 40% less concrete and upto 80% less reinforcing steel.

Corcon Structure Technology also uses an inexpensive lightweight wall panel for partitions promising a considerable reduction in dead loads - thus a less expensive design structure.

The most critical part of any construction cost budget are material and labor costs. Fast and easy erection of all structural components, using mechanized formwork systems keep these costs very low. Efficient, repetitive and high productive Corcon Structure construction methodology executed through proper planning by experienced system engineers, help build faster, meet cost budgets and most important of all, meet completion deadlines.

Corcon Structure Technology

Formaply Industries Inc., has more than 100 successful construction projects providing state-of-the-art formwork systems which include economic construction schemes recommended by our highly experienced technical group is proud to undertake competitive and affordable Corcon Structures. We can provide you a complete range of engineering services in the design, construction, inspection and management of any building project using Corcon Structure Technology.

Using **Corcon Structure Technology** for value engineering will make dramatic cost cutting a reality, an affordable design structure.

Corcon Structure Technology is only provided by **Design and Build Scheme** as a complete package for developers and owners.

Corcon Concrete Floor System:

SINGLE SPAN					ALLOWABLE SUPERIMPOSED LIVE LOAD (kPa) AND SPANS															
BEAM DEPTH d mm	STEEL REQ. BAR SIZE & AMOUNT	CONCRETE VOLUME M ³ /M ²	SPACING mm	TOTAL DEPTH mm	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9.0	9.5	10.0	
50	2Y12 OVERLAPPING	0.12	1200	164	5	5	3	1												
75	2Y12 OVERLAPPING	0.12	1200	200	5	5	5	2.5	0.5											
100	2Y12 OVERLAPPING	0.12	1200	234			5	4	1.5											
150	2Y12 OVERLAPPING	0.12	1200	264					5	2.5	1									
200	2Y12 OVERLAPPING	0.13	1200	334							5	4	2	1						
250	2Y12 OVERLAPPING	0.13	1200	364								5	5	3.5	2	0.5				
300	2Y12 OVERLAPPING	0.13	1200	434									5	5	4	2	1			

**CORCON
STRUCTURE
TECHNOLOGY**

1.5 HOUR FIRE RATING, STC RATING 48 MIN. COVER 65mm, F62 MESH TOP & 1050 DEFLECTION
BASED ON 20 m² ROOM
ROOF LOADS

1.5 HR

SINGLE SPAN					ALLOWABLE SUPERIMPOSED LIVE LOAD (kPa) AND SPANS															
BEAM DEPTH d mm	STEEL REQ. BAR SIZE & AMOUNT	CONCRETE VOLUME M ³ /M ²	SPACING mm	TOTAL DEPTH mm	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9.0	9.5	10.0	
50	2Y12 OVERLAPPING	0.10	1200	164	5	5	3	1												
75	2Y12 OVERLAPPING	0.10	1200	199	5	5	5	2.5	0.5											
100	2Y12 OVERLAPPING	0.10	1200	214			5	3	2.5	0.5										
150	2Y12 OVERLAPPING	0.10	1200	264					5	3.5	1.5									
200	2Y12 OVERLAPPING	0.11	1200	314							4	2	1							
250	2Y12 OVERLAPPING	0.11	1200	364								5	5	4	2	1.5	0.5			
300	2Y12 OVERLAPPING	0.12	1200	414									5	5	5	3.5	2	1		

**CORCON
STRUCTURE
TECHNOLOGY**

0.5 HOUR FIRE RATING MIN. COVER 65mm, F62 MESH TOP & 1050 DEFLECTION
BASED ON 20 m² ROOM
ROOF LOADS

0.5 HR

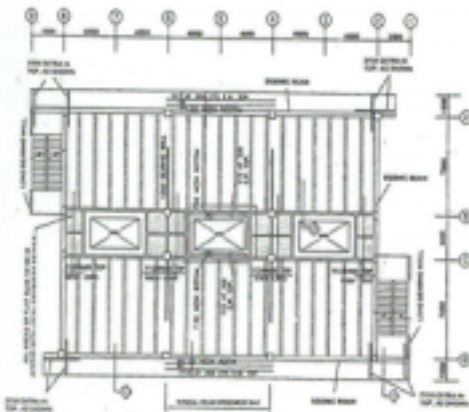
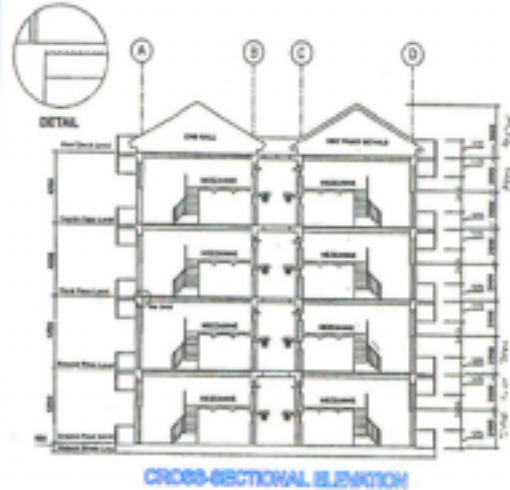
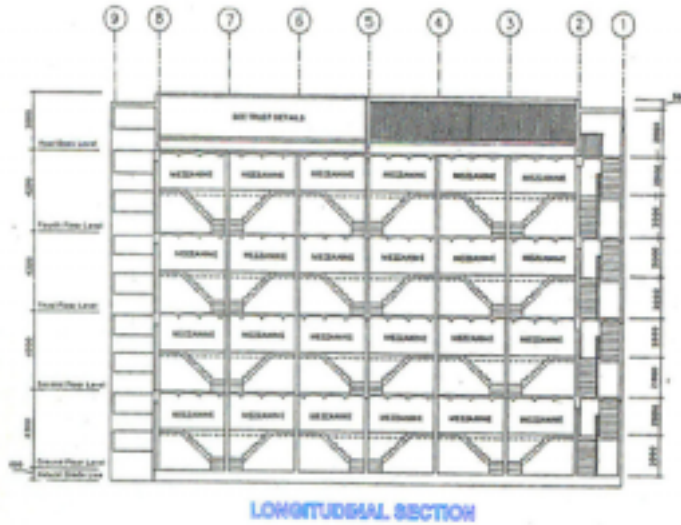
CONTINUOUS SPANS					ALLOWABLE SUPERIMPOSED LIVE LOAD (kPa) AND SPANS															
BEAM DEPTH d mm	STEEL REQ. BAR SIZE & AMOUNT	CONCRETE VOLUME m ³ /m ²	SPACING mm	TOTAL DEPTH mm	5	6.5	8	9.5	11	12.5	14	15.5	17	18.5	19	20.5	10	10.5	11	
50	2Y12 OVERLAPPING	0.12	1200	164	10/10															
75	2Y12 OVERLAPPING	0.12	1200	209	10/10															
100	2Y12 OVERLAPPING	0.12	1200	234	10/10															
150	2Y12 OVERLAPPING	0.12	1200	264	10/10															
200	2Y12 OVERLAPPING	0.13	1200	334	10/10															
250	2Y12 OVERLAPPING	0.13	1200	364	10/10												1/150	1/200		
300	2Y12 OVERLAPPING	0.13	1200	434	10/10														1/150	1/200

1.5 HOUR FIRE RATING, STC RATING 49, MIN. Depth 25mm, F62 MESH 1Y16@1200mm TOP

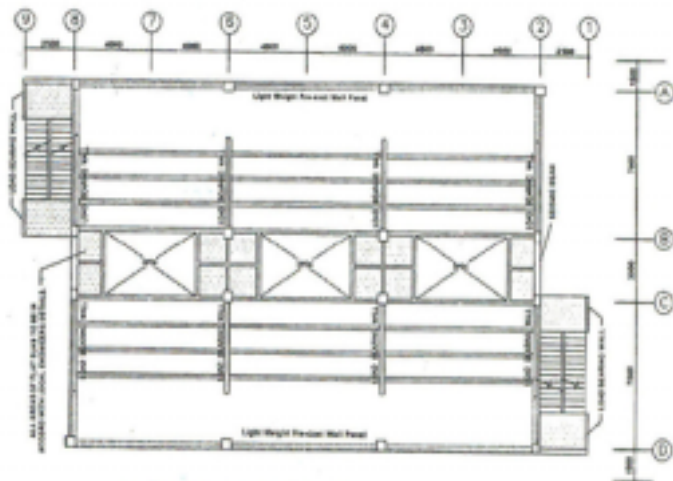


Formalite Structure Technology

Project: Typical Walk up Medium Structure Project layout using Corcon Slab.



■ FORMALITE IN RETENTION WALL GARAGE
 ■ REFER TO LOCAL GOVERNMENT ORDINANCE FOR DETAIL AND SPECIFICATIONS
 ■ PROVIDE TO SURETY AS PER LOCAL GOVERNMENT CODE ACT NO. 4714
 ■ 100% NEW SLAB



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 ■ REFER TO LOCAL GOVERNMENT ORDINANCE FOR DETAIL AND SPECIFICATIONS
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 ■ 100% NEW SLAB



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