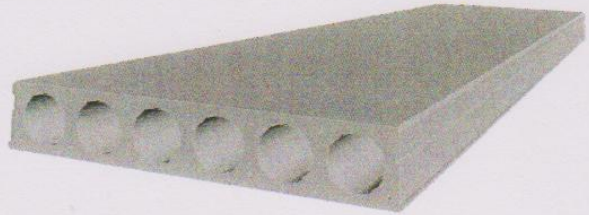


ACP

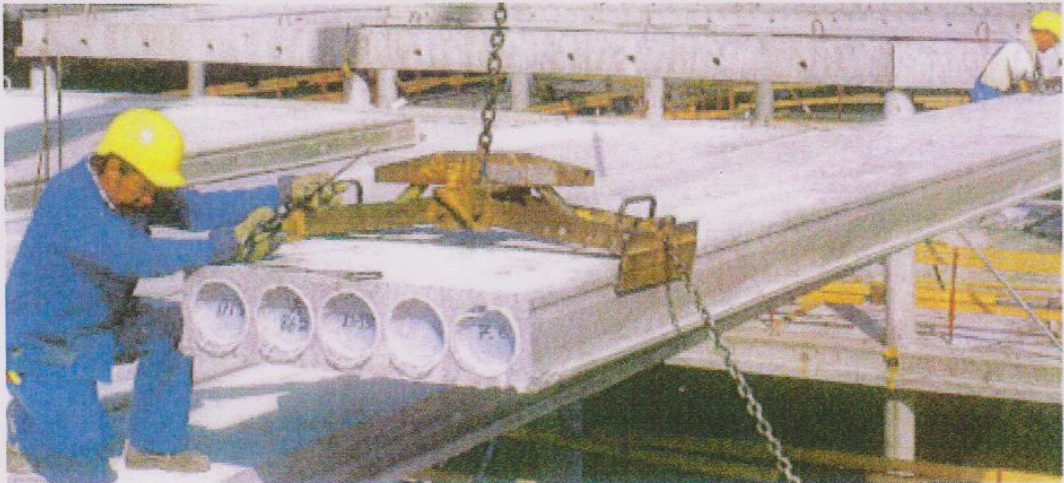
PRE-STRESSED HOLLOW CORE SLAB

MTD ACPI ENGINEERING BERHAD is pleased and proud to announce that we have invested in the latest, state of the art, plant and equipment from Europe to produce high quality Hollow Core Slab to support our Government's effort to increase the usage of IBS in our construction industry.



ACPM's Hollow Core Slab shall complement our existing Half Slab and DT Slab, and enable ACPM to meet and fulfill the needs of the Clients, Architects and Engineers for all types of buildings, ranging from schools, office buildings, condominiums, hotels, motels, apartments, quarters, residential dwellings, houses of worships, factories, warehouses, hyper markets, shopping centers, car parks etc.

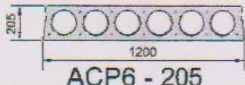
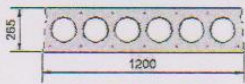
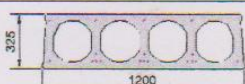
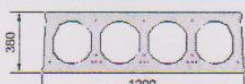



We expect our Hollow Core Slab to roll off our production line from our Pontian factory, in July 2011.



**ASSOCIATED CONCRETE
PRODUCTS (MALAYSIA)**
(A Member of the MTD Group)



STANDARD ACP PRE-STRESSED HOLLOW CORE SLABS

| TYPE | CROSS SECTION AREA (m ²) | SELF WEIGHT (kg/m ²) |
|---|--------------------------------------|----------------------------------|
|  ACP6 - 205 | 0.127 | 230 |
|  ACP6 - 265 | 0.195 | 270 |
|  ACP4 - 325 | 0.189 | 382 |
|  ACP4 - 360 | 0.229 | 403 |
|  ACP4 - 415 | 0.237 | 454 |
|  ACP4 - 460 | 0.272 | 510 |
|  ACP4 - 500 | 0.312 | 607 |

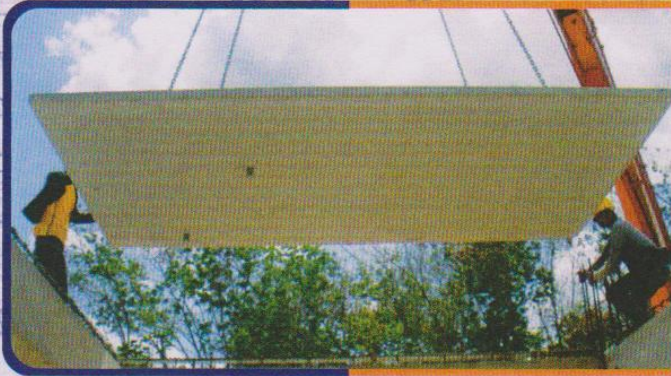
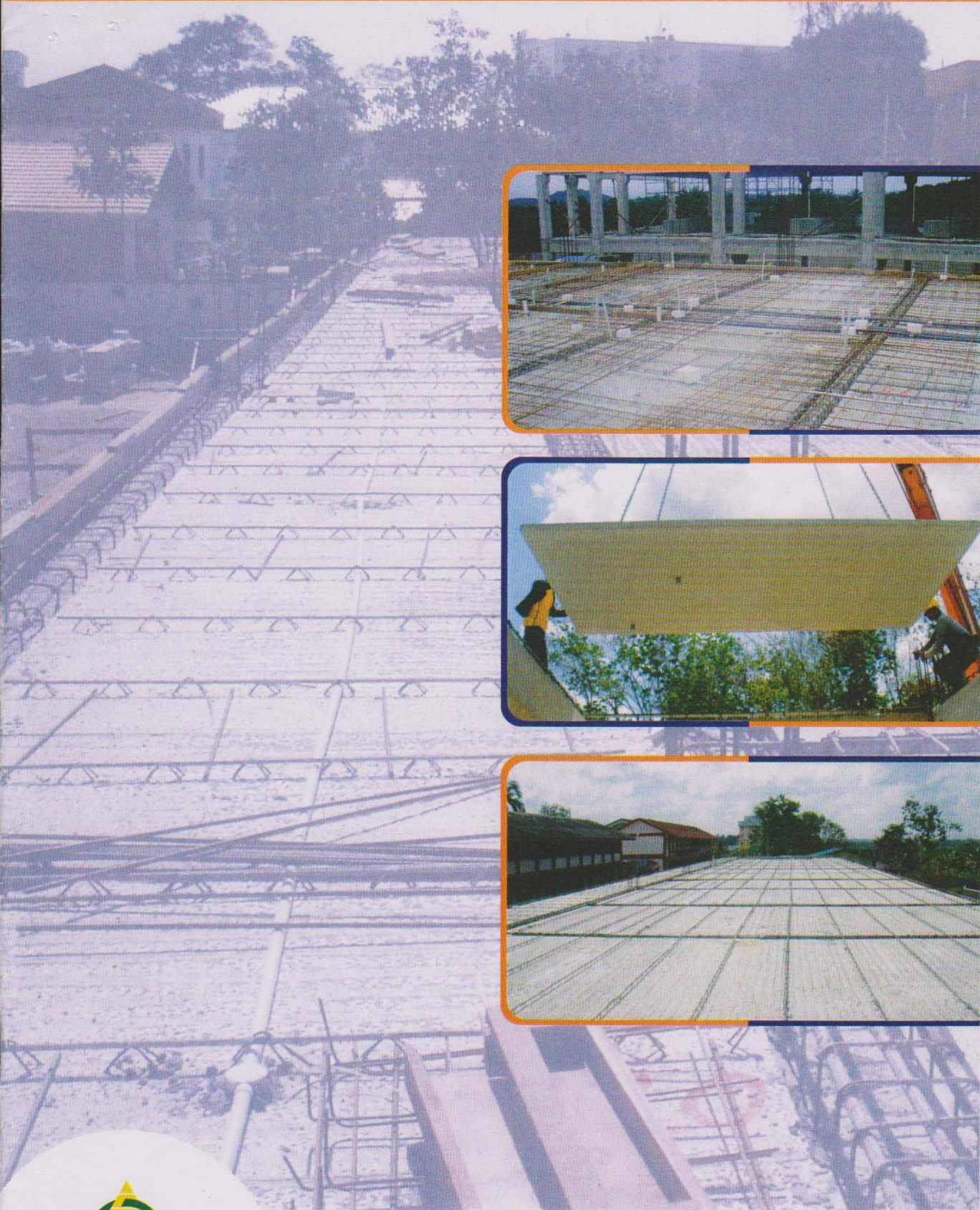
FOR FURTHER INFORMATION, PLEASE CONTACT US...YOUR COMPLETE PARTNER

ASSOCIATED CONCRETE PRODUCTS (MALAYSIA) SDN. BHD. (79877-P)

HEAD OFFICE: 1, Jalan Batu Caves, 68100 Batu Caves, Selangor Darul Ehsan, Malaysia.

Tel: +603-6195 1111 Fax: +603 - 6187 3055 Website: www.mtdgrp.com

- | | | |
|--------------------|-------------------|---|
| 1) Aw Jewee Chin | Tel: 012-345 7050 | Email: aw.jewee.chin@mtmgrp.com |
| 2) Daniel Lee KM | Tel: 019-231 5960 | Email: daniel.lee@mtmgrp.com |
| 3) Jamal Bin Mehat | Tel: 017-382 4643 | Email: jamal.mehat@mtmgrp.com |



PCFTM
PERMANENT CONCRETE FORMWORK
HALF SLAB



MS ISO 9001:2000 REG. NO. AR 0643

World Class Infrastructure, Worldwide Impact

3 COMMON APPLICATIONS OF PCF HALF SLAB

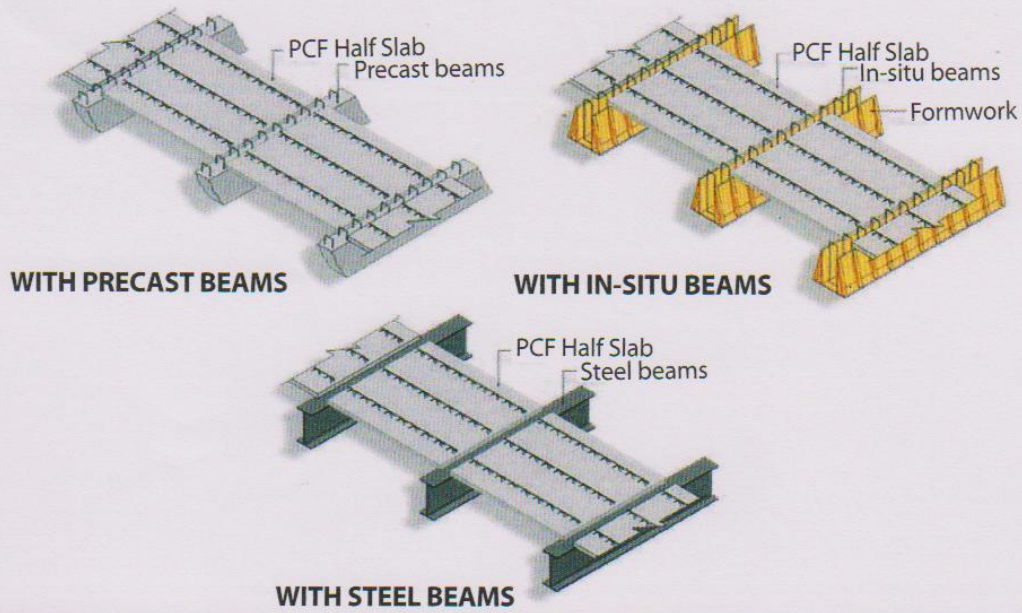
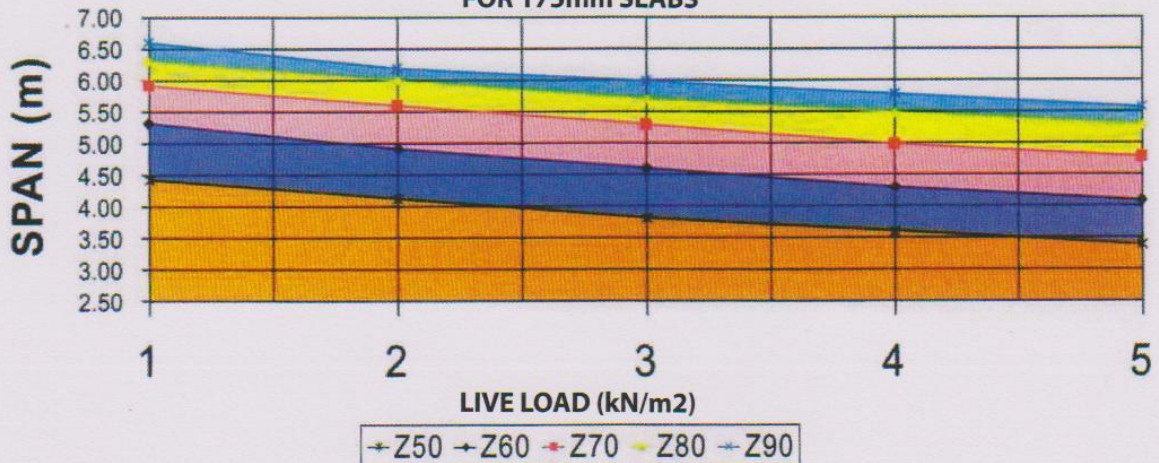


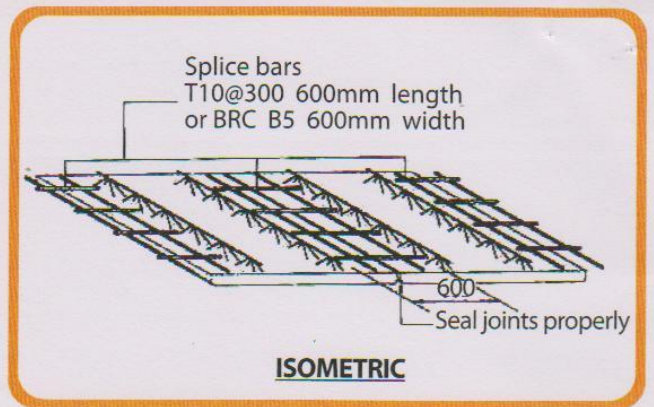
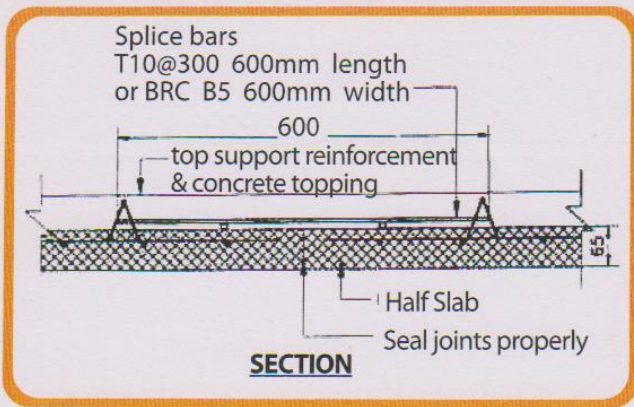
CHART 1:
SPAN RANGE OF Z-SERIES PCF HALF SLABS
FOR 150mm SLABS



CHART 2:
SPAN RANGE OF Z-SERIES PCF HALF SLABS
FOR 175mm SLABS



TYPICAL SPLICE DETAILS (PANEL TO PANEL JOINTS)

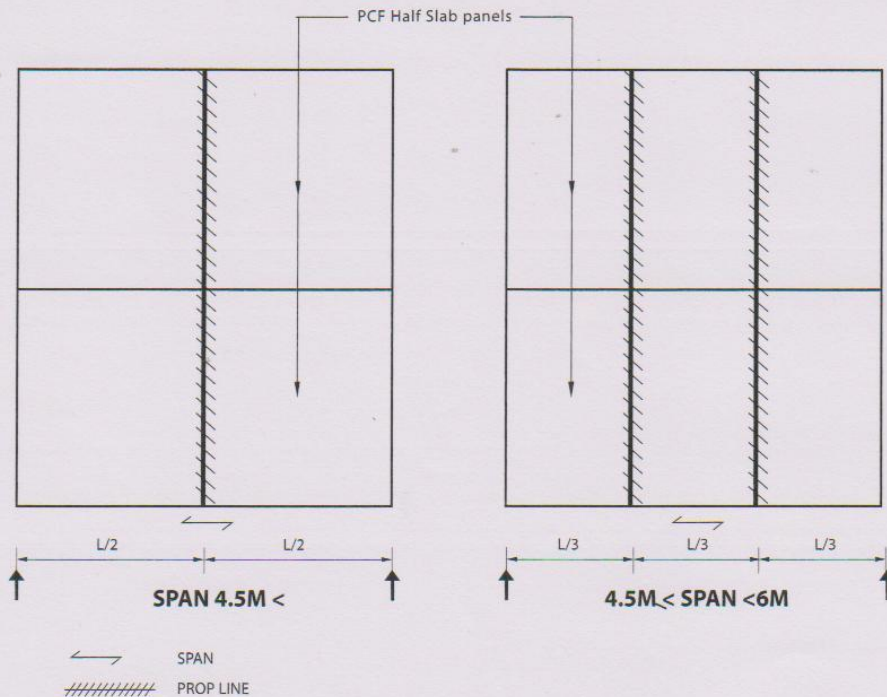


NOTE:

- Using BRC, the main bars of mesh to be perpendicular to the span direction
- These splice bars details are for maximum total slab thickness of 200mm (Thicker slabs require more splice bars)

Z-SERIES PCF HALF SLAB

TYPICAL PROP ARRANGEMENT PLAN VIEW



FOR FURTHER INFORMATION, PLEASE CONTACT US ... YOUR COMPLETE PARTNER

ASSOCIATED CONCRETE PRODUCTS (MALAYSIA) SDN. BHD. (79877-P)

(A member of the MTD Group)

Head Office: 1, Jalan Batu Caves, 68100 Batu Caves, Selangor Darul Ehsan, Malaysia

Tel: +603 - 6195 1111 Fax: +603 - 6187 3055 Website: www.mtdgrp.com

| Region | Branches / Factories | Location | Tel No. | Fax No. |
|---------|----------------------|--|-----------------|-----------------|
| Central | Seremban | Lot 9020 to 9022, Mukim Ampangan, Jalan Jelebu, 70400 Seremban, Negeri Sembilan Darul Khusus, Malaysia. | +606 - 764 2077 | +606 - 764 2096 |
| North | Ipoh | Lot 31465, 10km, Jalan Lahat, 31500 Lahat, Perak Darul Ridzuan, Malaysia. | +605 - 321 6479 | +605 - 321 6488 |
| South | Pontian | Lot No. 676 & 677, Jalan Ong Eng Kee, Batu 23 1/2 Kampung Choh, 81500 Pekan Nanas, Johor Darul Takzim, Malaysia. | +607 - 699 6095 | +607 - 699 2092 |
| East | Kuala Terengganu | SK 90, Kawasan Perindustrian Gong Badak, 20710 Kuala Terengganu, Terengganu Darul Iman, Malaysia. | +609 - 666 7077 | +609 - 666 6530 |

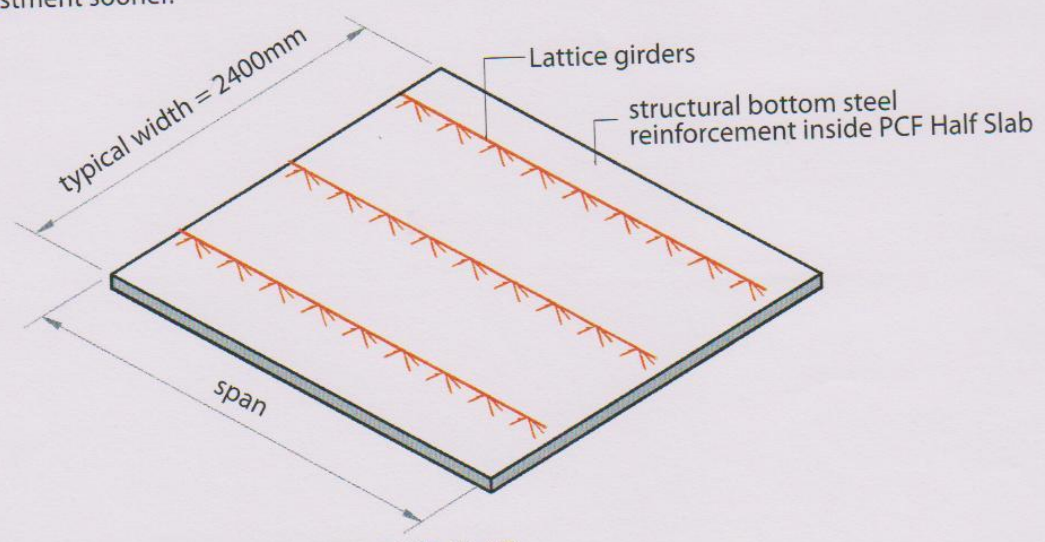
PCF Half Slab panels are typically 50mm to 65mm in thickness and 2400mm in width. Prepared to the required span, the panels are laid between supports and used as PCF for an in-situ concrete topping. Steel bars placed in the PCF Half Slab panels act as the reinforcement to resist flexural sagging.

Beside the loose steel bars, lattice girders are also commonly provided inside the pre-cast panels in order to increase bond between pre-cast and in-situ concrete, provide the pre-cast plank with vertical stiffness in the temporary condition, contribute to the flexural reinforcement and ease of lifting of the pre-cast panels.

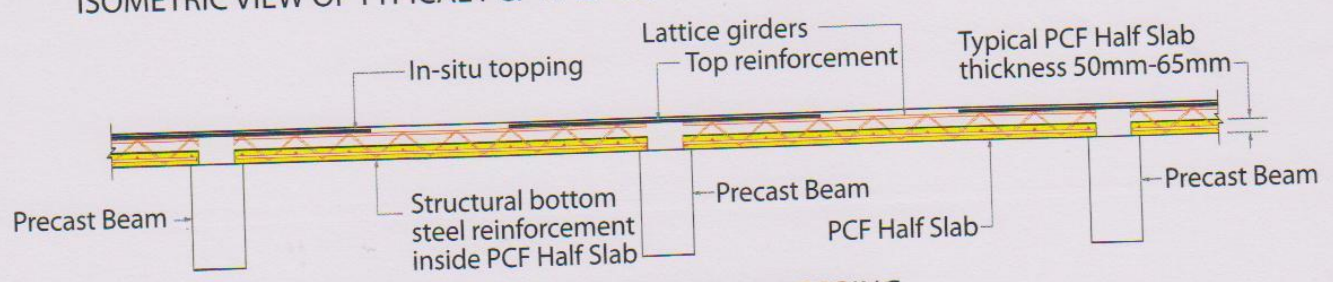
The triangulated lattice girders are manufactured using automatic production system. The steel sizes and spacing of lattice girders may vary; depending on the requirement.

The PCF Half Slabs provide attractive economical solutions for any size of construction projects. Taking into account of the benefits which include, among many others:

- High quality smooth surface from steel moulds
 - In-situ structural concrete topping and in-fill forming monolithic structures
 - Eliminates or greatly reduces props
 - Eliminates conventional formworks
 - Cleaner site with less construction debris
 - Reduces requirement of site workers and materials - about 50% of structural concrete and 100% of bottom steel reinforcement are provided in Half Slab panels
 - Pre-cast panels provide sturdy and safe work platform
 - Incorporated M&E block-outs enable efficient installation of services
 - Non pre-stressed construction permits design alterations to be accommodated;
- the costs of PCF Half Slab solutions are comparable with conventional method. Furthermore, by utilizing our pre-cast solutions, you will complete your projects ahead of schedule and the owners receive return on investment sooner.



ISOMETRIC VIEW OF TYPICAL PCF HALF SLAB



CROSS SECTION OF PCF HALF SLAB AFTER IN-SITU TOPPING



PRESTRESS TECHNOLOGY SDN. BHD. (385917-H)

Pengeluar 350mmx50mm Lantai Konkrit Prategang (Half Slab)

"*Sesuai Digunakan Untuk Semua Bangunan Bertingkat*"



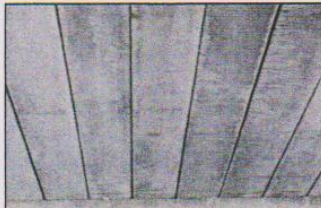
STRESSING



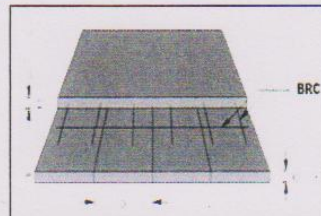
CASTING



LIFTING

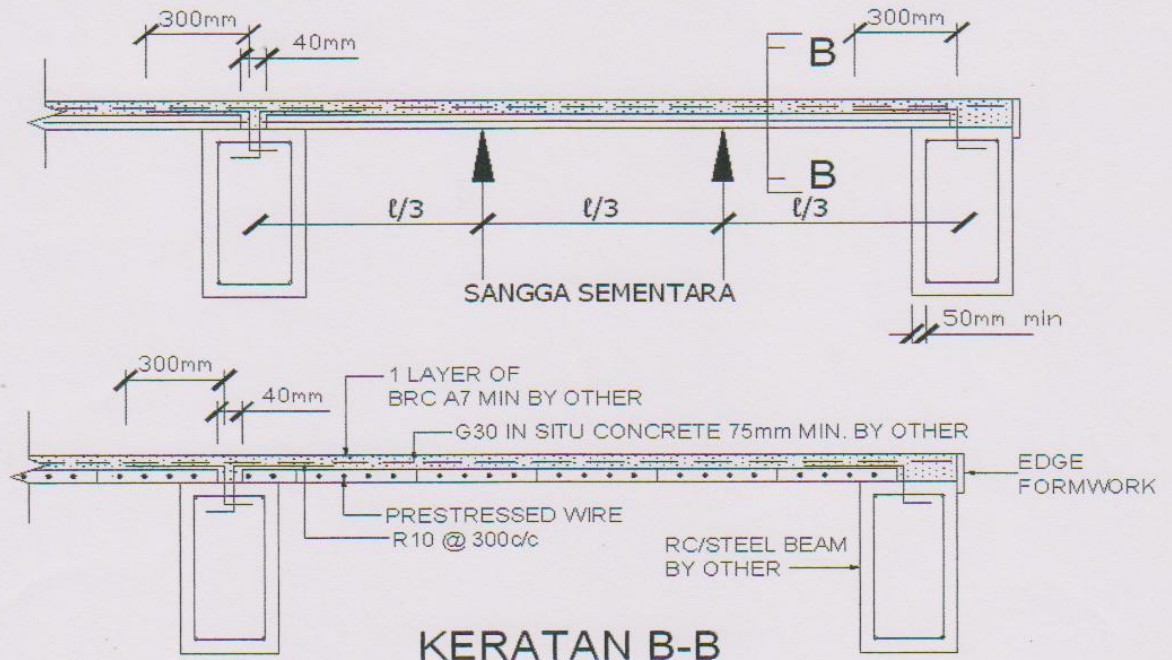


FIXING



TOPPING UP (40-75mm)

Butiran Pemasangan



**Nota : 3m < span < 5m - 1 prop
5m < span < 6m - 2 prop**

Spesifikasi

JADUAL PANJANG DAN BEBAN LANTAI

| Aplikasi | LiveLoad (kN/m ²) | Topping (mm) | PANJANG MAKSIMA LANTAI KONKRIT PRATEGANG (m) | | | | | | | |
|-----------------|-------------------------------|--------------|--|-----|-----|-----|-----|-----|-----|-----|
| | | | 4Ø4 | 5Ø4 | 6Ø4 | 7Ø4 | 4Ø5 | 5Ø5 | 6Ø5 | 7Ø5 |
| Rumah | 1.5 | 50 | 4.5 | 5.0 | 5.0 | 5.5 | 5.0 | 5.0 | 5.5 | 6.0 |
| | | 75 | 4.5 | 5.0 | 5.0 | 5.5 | 5.0 | 5.0 | 5.5 | 6.0 |
| Rumah/Pejabat | 2 | 50 | 4.0 | 4.5 | 4.5 | 5.0 | 4.5 | 4.5 | 5.0 | 5.5 |
| | | 75 | 4.0 | 4.5 | 4.5 | 5.0 | 4.5 | 4.5 | 5.0 | 5.5 |
| Pejabat/Sekolah | 3 | 50 | 3.5 | 4.0 | 4.0 | 4.5 | 4.0 | 4.0 | 4.5 | 5.5 |
| | | 75 | 3.5 | 4.0 | 4.0 | 4.5 | 4.0 | 4.0 | 4.5 | 5.0 |
| Sekolah/Dewan | 4 | 50 | 3.0 | 3.5 | 3.5 | 4.0 | 3.5 | 3.5 | 4.0 | 4.5 |
| | | 75 | 3.0 | 3.5 | 3.5 | 4.0 | 3.5 | 3.5 | 4.0 | 4.5 |
| Dewan | 5 | 50 | 3.0 | 3.0 | 3.0 | 3.5 | 3.0 | 3.0 | 3.5 | 4.0 |
| | | 75 | 3.0 | 3.0 | 3.0 | 3.5 | 3.0 | 3.0 | 3.5 | 4.0 |

- Gred konkrit : G35
 Saiz PC wire : 4mm dan 5mm
 Kekuatan : 1770 N/rnm² (BS 5896 – 80 Relax class 2)
 Ketumpatan : 0.0989 kg/m (4mm) dan 0.154 kg/m (5mm)
 Beban putus minimum : 22.3 kN (4mm Diameter) & 34.7kN (5mm Diameter)



50mm x 350mm x 3000mm (L)

LOADING 310kg=3kN



HUBUNGI:

AMRAN H/p: 019 9567116 Office: 09-631 3157 Fax: 09-624 2157 (K.TERENGGANU)
 AZAHA H/p: 019 9510233 Office: 09-573 6777 Fax: 09-573 6777 (KUANTAN)
 ZAINUDIN H/p: 012 9015004 Office: 09-782 5600 Fax: 09-782 5602 (KOTA BHARU)
 ZULKIFLI H/p: 013 9291382 (KOTA BHARU)

IBU PEJABAT: D-987, Bukit Kubang Jambu, Jalan Kelantan, 20050. Kuala Terengganu, Terengganu.

Tel: 09-631 3157

Fax: 09-624 2157

website: www.kpmytruss.com.my



P SLABS (M) SDN BHD

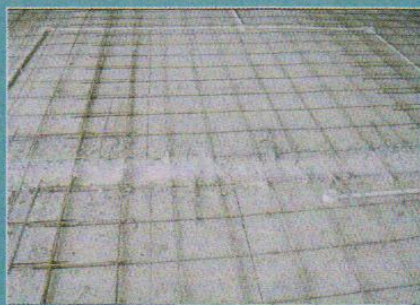
SIRIM & CIDB Approved IBS Floor System
Approved Sirim Licence No: PPO79301

Pre-Stress High Strength Half Slab IBS Floor System
A value added factory produced IBS Floor System Solution
Reduces Manpower by 75% or more and NO Carpenter needed
Save potential value user at least FIVE (5) days per floor or more

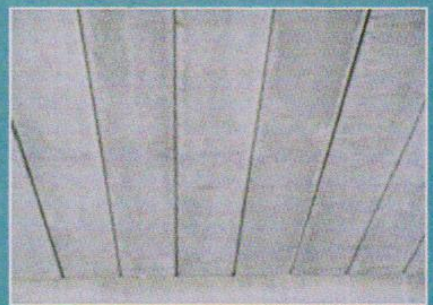
Complete projects **AHEAD OF SCHEDULE**
REDUCE FINANCE COST AND FASTER RETURN ON INVESTMENT
PROVEN SOLUTION PROVIDER



Picture of slab stack at factory



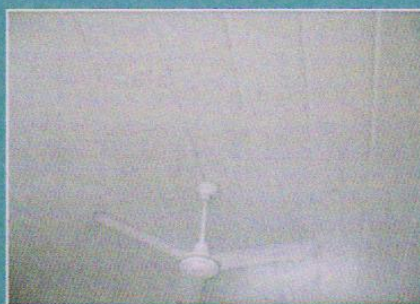
Slab with floor conduit before concrete



Soffit of slab after concreting



Soffit of slab after pointing with cement mortar



Picture with plaster finish

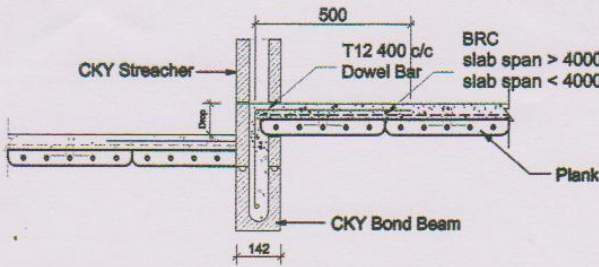


Expose finish with painting

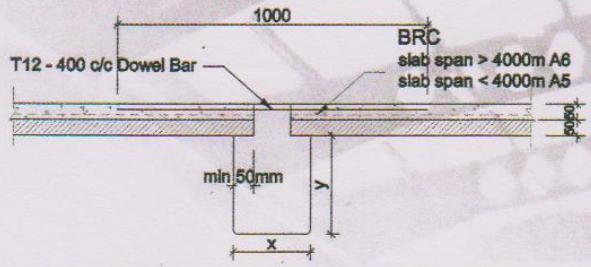
P Slabs (M) Sdn Bhd

Website: www.provenholding.com or www.ckyibs.com

Email: provenholding@gmail.com, choukanyin@yahoo.com, choukanyin@gmail.com, cky@ckyibs.com



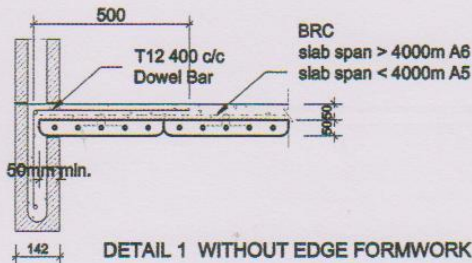
PIC. 1 TYPICAL SLAB DETAIL WITH CKY INTERLOCKING BLOCK



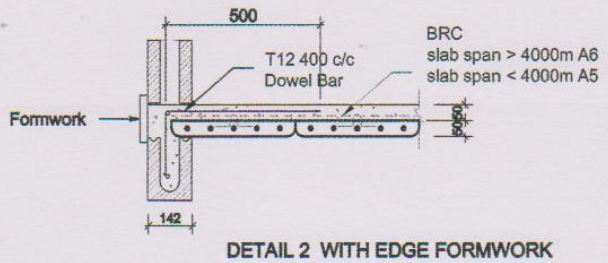
PIC. 2 TYPICAL INTERMEDIATE BEAM CONNECTION



PIC. 3 TYPICAL PRECAST PRESTRESSED SLAB SECTION

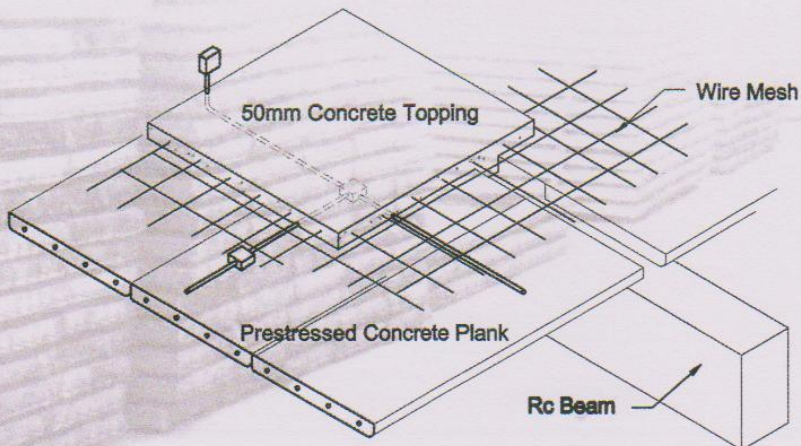


DETAIL 1 WITHOUT EDGE FORMWORK



DETAIL 2 WITH EDGE FORMWORK

PIC. 4 SLAB CONNECTION WITH CKY INTERLOCKING BLOCK



PIC. 5 ISOMETRIC VIEW

Product Description

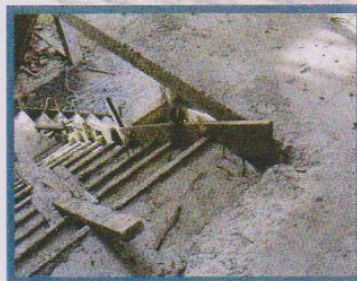
- Standard Modular width 400mm and 200 mm wide
- Standard slab thickness 50mm with High Strength Prestress Wire and G 40 concrete
- Slab Span up to 5000 mm (5 meter) long (refer to page 4 - Loading Table)
- Lighter finished floor weight with minimum of 50mm G30 concrete topping and 1 layer BRC and reduce foundation loading (saving in foundation cost)
- Finish IBS floor weight 240 KG/M² (total finished slab thickness 100mm)
- Smooth steel formwork finish at soffit of slab (bottom of slab)

Product Application

- Fully comply with Government IBS System Policy and CIDB guideline
- Replace soffit formwork for all floor slab Construction
- Applicable for Housing , School, Apartment s, Office building, Hospital, College, Shopping Complex
- Car Park slab, TNB substation roof , Permanent RC Roof slab incorporating with insulating materials
- Pre-Finished Fencing , Pavement Slab, Strip Foundation for Light Buildings (act as a foundation)
- Staircase landing with pre-finished materials
- Acts as permanent formworks for all floor structures, staircase and many more

Product Installation and Logistic Advantages

- Lighter weight of slab reduces transport cost and handling at site
- Slab weight of 120 KG per meter square, easy handling can be handled with or without crane at site
- Customized and cut to length to meet client design requirements, thus reduces wastage and site preparation (ie : ZERO wastage at site)
- Easy and Fast site installation without carpenters
- TWO days per floor cycle. Saving of at least FIVE (5) days per floor or more, project can be completed ahead of time
- Minimum propping required at site, save scaffolding
- No Carpenter required at site
- Reduces at least 50% of slab concrete at site
- Slab provided 100% of slab bottom bars and result reduces minimum 50% of steel required for slab
- Environmental friendly product complies with Green Building Concept

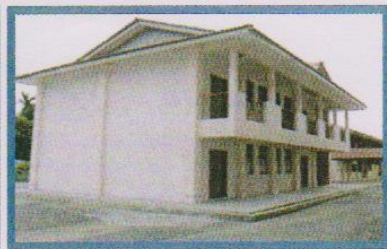
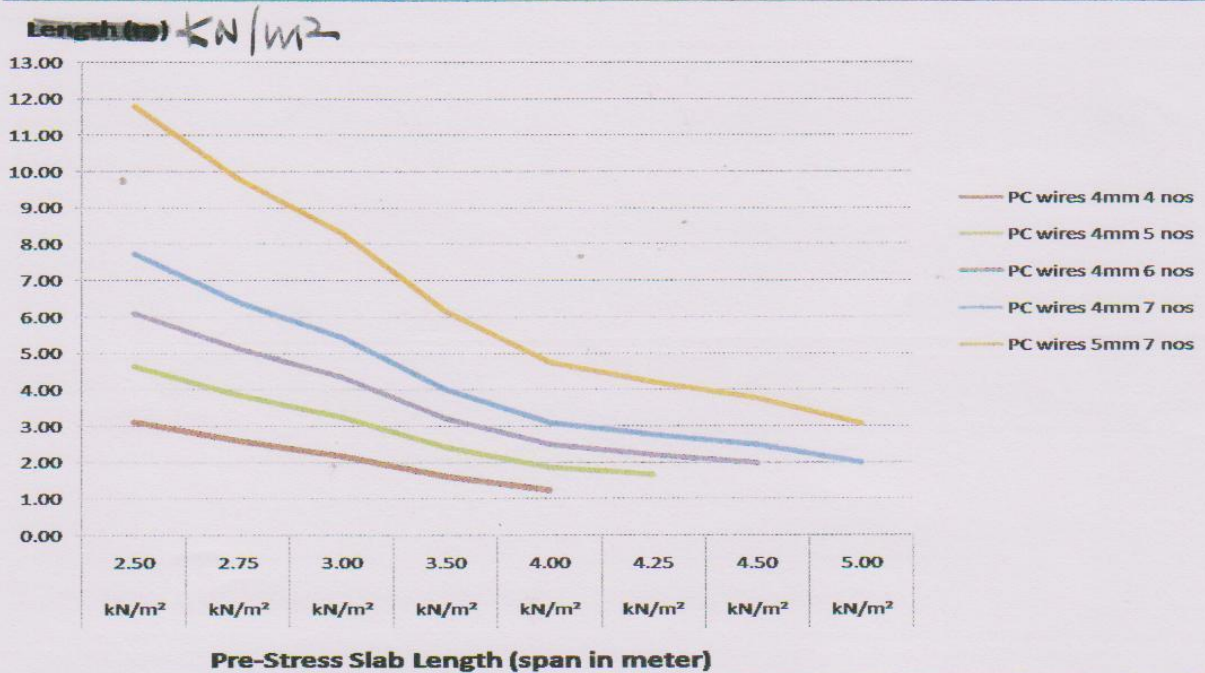


LOADING TABLE FOR PRESTRESS CONCRETE HALF SLAB ACCORDING TO THE LENGTH

Imposed Load

| Nos and Diameter of Stressing Wires | Prestressed Slab Length (span in meter) | | | | | | | |
|-------------------------------------|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | kN/m ² | kN/m ² | kN/m ² | kN/m ² | kN/m ² | kN/m ² | kN/m ² | kN/m ² |
| | 2.50 | 2.75 | 3.00 | 3.50 | 4.00 | 4.25 | 4.50 | 5.00 |
| PC wires 4mm 4 nos | 3.10 | 2.58 | 2.18 | 1.62 | 1.24 | | | |
| PC wires 4mm 5 nos | 4.64 | 3.86 | 3.26 | 2.42 | 1.87 | 1.66 | | |
| PC wires 4mm 6 nos | 6.10 | 5.14 | 4.35 | 3.20 | 2.49 | 2.20 | 1.97 | |
| PC wires 4mm 7 nos | 7.72 | 6.40 | 5.43 | 4.02 | 3.10 | 2.76 | 2.50 | 2.00 |
| PC wires 5mm 7 nos | 11.78 | 9.80 | 8.30 | 6.14 | 4.74 | 4.21 | 3.76 | 3.06 |

Slab Loading Chart



manufactured by:

P Slabs (M) Sdn Bhd

No 11, Medan Setia 1, Plaza Damansara, Bukit Damansara, 50490 Kuala Lumpur, Malaysia

Tel: 03-2093 2763/2703 Fax: 03-20932316

Email: provenholding@gmail.com, choukanyin@gmail.com, choukanyin@yahoo.com, cky@ckyibs.com

www.provenholding.com or www.ckyibs.com

JUJUTAN KERJA BAYU MALAYSIA
 (DIVISION OF WIND ENERGY)
 No. 1, Jalan 9/95, Seksyen 9,
 Taman Tasik, Kuala Lumpur, 50460
 Tel: 03-2218 2428
 Fax: 03-4541 1916
 Website: <http://www.jkr.gov.my>



PELAKSANA BANGUNAN

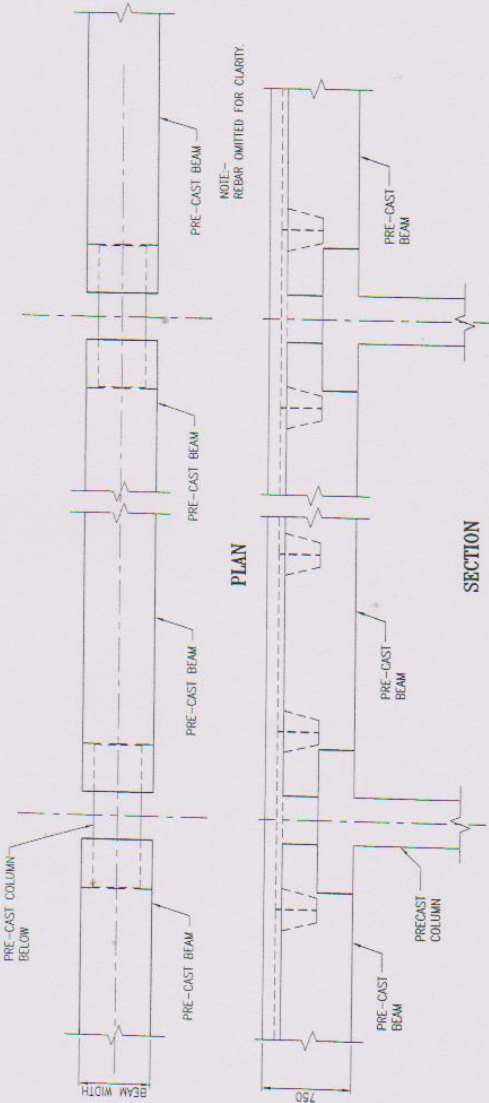
JABATAN KESEKUTUAN STRUKTUR MALAYSIA
 Area 2 & 3, Block D7, Kompleks D,
 43000 Kajang, Selangor, Malaysia
 Tel: 03-8939 1000
 Fax: 03-8939 1027
 Website: <http://www.jksm.gov.my>



SYSTEM PROVIDER:

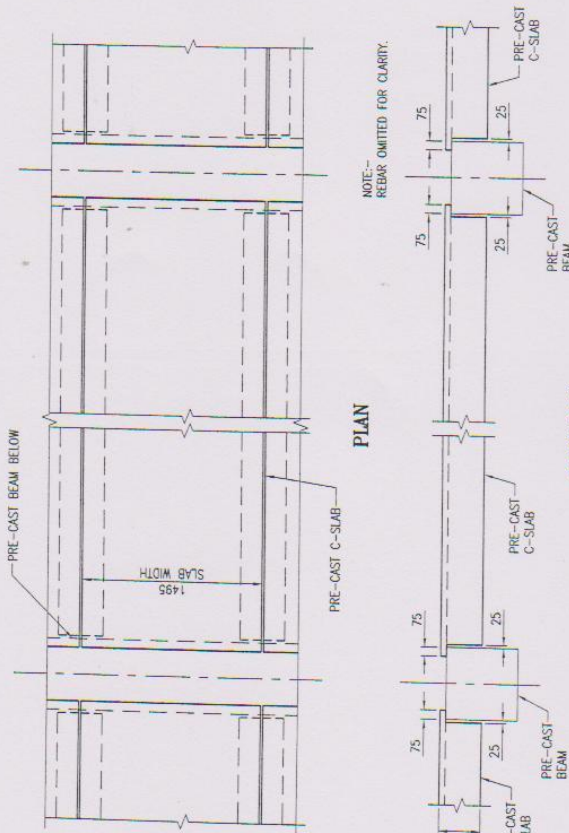
HEBING MC SIK BHD
 13, Jalan Medan Damansara,
 Country Heights, Seksyen 13,
 43000 Kajang, Selangor
 Tel: 03-8939 1000
 Fax: 03-8939 1018
 E-mail: enquiry@hmc.com

| NO. | REVISION | DATE | BY | REASON |
|-----|----------|------|----|--------|
| | | | | |



COMPOSITE BEAM JOINT DETAILS

SCALE 1:20



PRECAST C-SLAB JOINT DETAILS

SCALE 1:30

PROJEK
 CADANGAN PEMBERIAHAN KOMPLEKS
 MAHKAMAH TINGGI STARBUK NEGERI
 7 TINGKAT, DUKAS LOT 704 & 705,
 JALAN SRI MERTU GANTONG/
 BANGSAR UTARA, KUALA LUMPUR,
 DAERAH TAJUR LAUT,
 PULAU PINANG.

TAKSIR URSAH
 MAHKAMAH TINGGI PULAU PINANG
 BEAM AND SLAB JOINT
 DETAIL

| | |
|-------------|-----|
| NO. RAKAM | 101 |
| NO. SKEM | 101 |
| NO. DOKUMEN | 101 |
| NO. RAKAM | 101 |
| NO. RAKAM | 101 |
| NO. RAKAM | 101 |

MAHKAMAH TINGGI/
 JOINTS-KMT/D2

DATE: 10/05/2011



JABATAN KERJA RAYA MALAYSIA
(KAWASAN KERJA BANGSAWAN) (JKR)
Jalan Pahlawan JKR Malaysia,
Jalan Pahlawan, Seksyen 17,
Jalan Tanjong, Rawang,
50082 Kuala Lumpur,
T.M. : 03-4041 1316
FAX : 03-4041 1315
Website : <http://www.jkr.gov.my>

PEMERK BANGSAWAN



JABATAN KEJURUTERAAN STRUKTUR MALAYSIA
Ara 2 & 3, Block D7, Kompleks D,
Jalan Pahlawan, Seksyen 17,
62077 Putrajaya, MALAYSIA
TEL. 03-8886 4800
FAX 03-8886 4800
Website : <http://www.jks.gov.my>

SISTEM PANDUK

HONGSIK HE SIN BEO
12A, Lorong Kemuning Utama,
43000 Kajang, Selangor.
TEL. 03-81382818
FAX. 03-81382818
E-mail: hsy@hspjaya.com

PROJEK

| PROJEK | NO. RAKAM | NO. SKEM | NO. REVISI |
|--|-----------|----------|------------|
| <p>CADANGAN PERMILIHAN KOMPLEKS MAHKAMAH TINGGI STARABE NEGERI 7 TINGKAT, DIATAS LOT 704 & 705, DI JALAN BATU GANTUNG/ JALAN SCOTLAND, DAERAH TIMUR LAUT, PULAU PINANG.</p> | | | |

DAKULAH

MAHKAMAH TINGGI PULAU PINANG

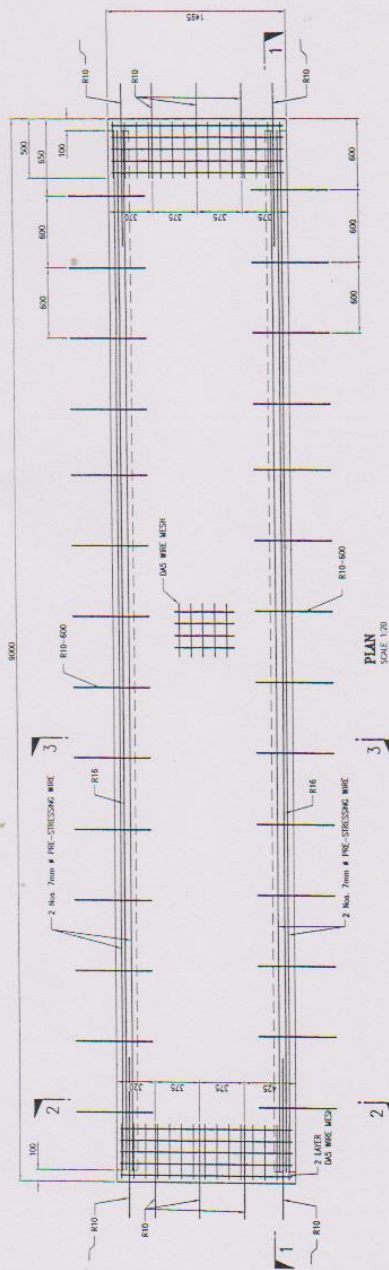
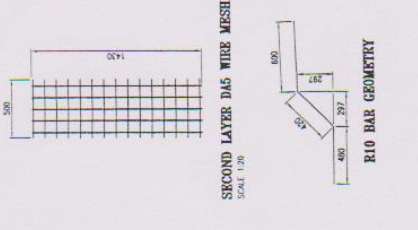
SERIES 400 C-SLAB

| BAHARU | REVISI | NO. SKEM | NO. REVISI |
|--------|--------|----------|------------|
| | | | |

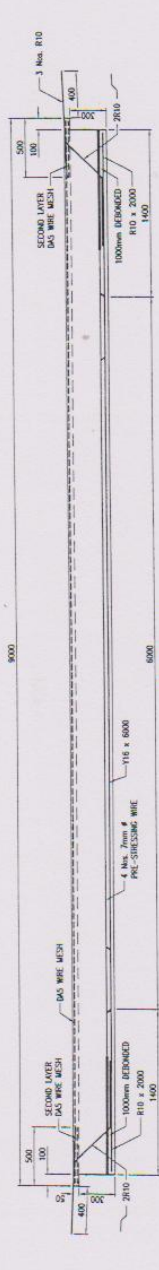
NO. LURAH: Hinc/MAHKAMAH TINGGI/
C-SLAB-KMT/D1

SKALA LURAH

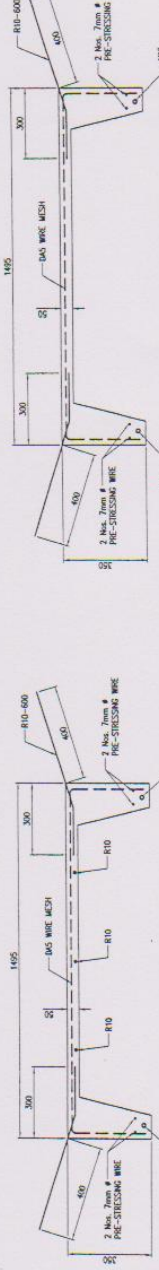
31 MAY 2011



PLAN
SCALE 1:20



SECTION 1-1
SCALE 1:20



SECTION 2-2
SCALE 1:10

SECTION 3-3
SCALE 1:10

SERIES 400 C-SLAB
4 Nos. PRE-STRESSING WIRE

NOTE ON PRE-STRESSING

- INITIAL STRESSING FORCE 51.43 kN FOR 7mm PRE-STRESSING WIRE (80% UTS)
- CONCRETE TRANSFER STRENGTH : 4N/mm²
- CONCRETE STRENGTH : G35.