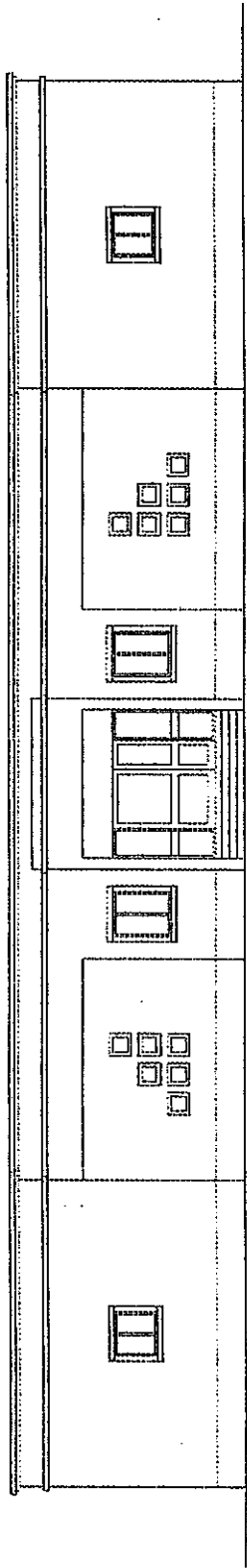
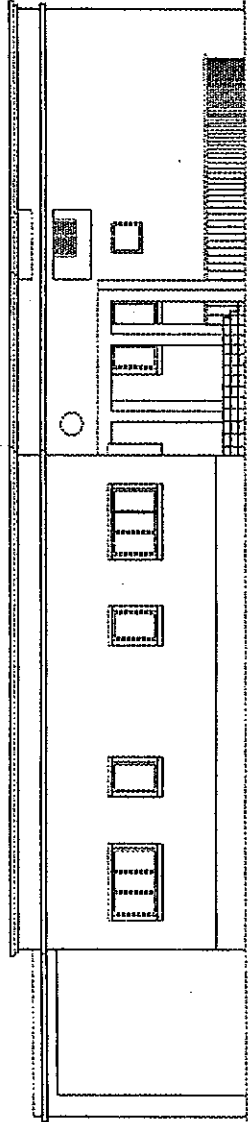


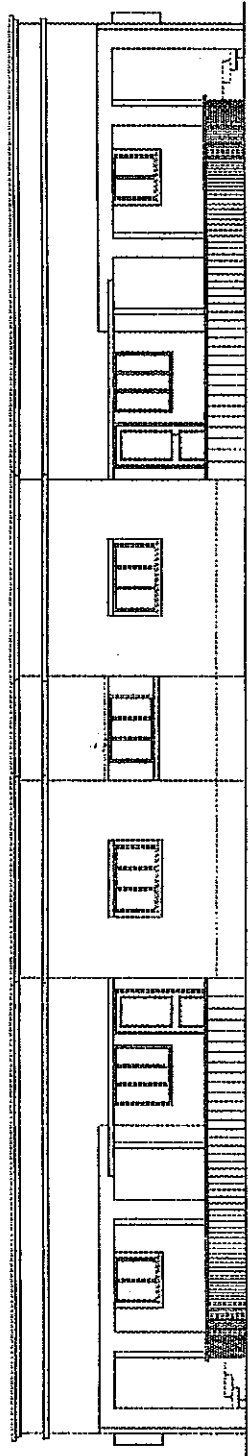
0014138-ABB-503



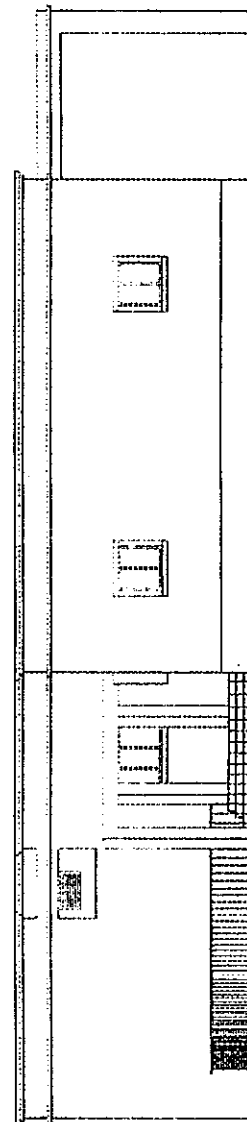
WEST ELEVATION



SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION

CONTRACTOR  
MITSUI KENSETSU  
INDIA LIMITED  
A-1/20, SAFDARJUNG ENCLAVE,  
NEW DELHI-110029, INDIA

AS-BUILT DRAWING


SCALE: 1:100

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT  
EARTHQUAKE DISASTER IN THE DEVASTED AREAS IN INDIA

ELEVATIONS


MUNDRA HOSPITAL

YAMASHITA SEKKI INC.-NIHON SEKKI, INC. JAPAN

 Dalal Consultants  
And Engineers Ltd.  
Engineers - Consultants - Contractors  
Ahmedabad - India

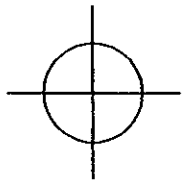
0114138-ABB-503

REV. R0

BY:   
CHK. MR. ENGG.  
DEPT. HEAD  
PROJ. MR.

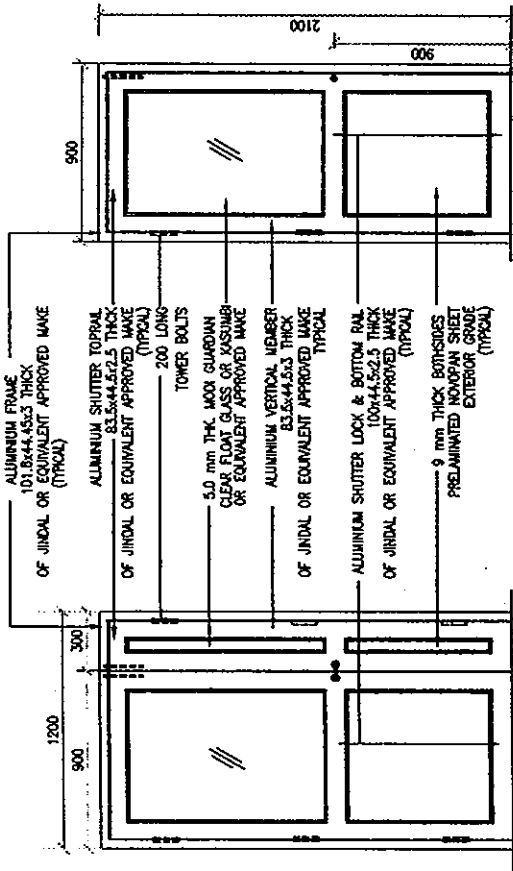
7/9/01 ISSUED FOR CONSTRUCTION / BIDDING  
REV. NO. DATE REVISION

REFERENCE DRAWINGS



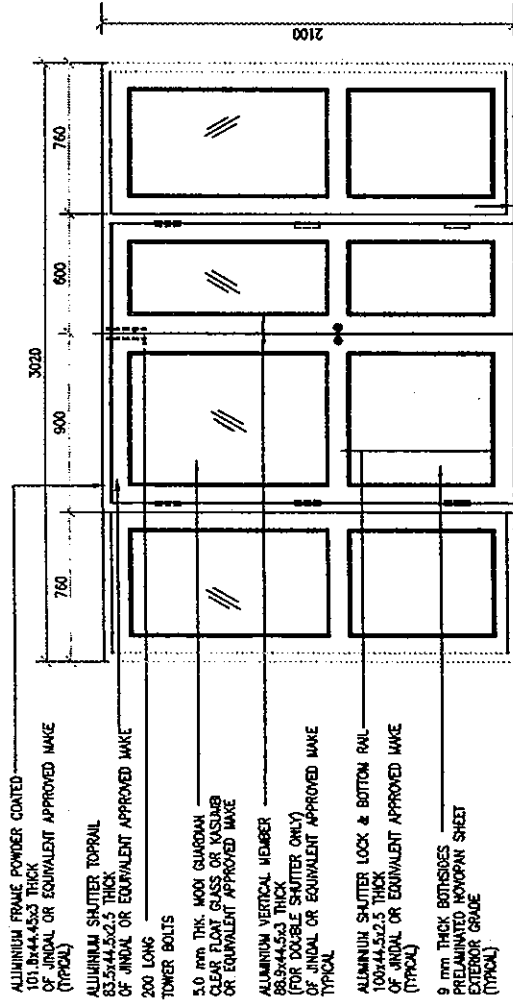
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0114138-ABB-504



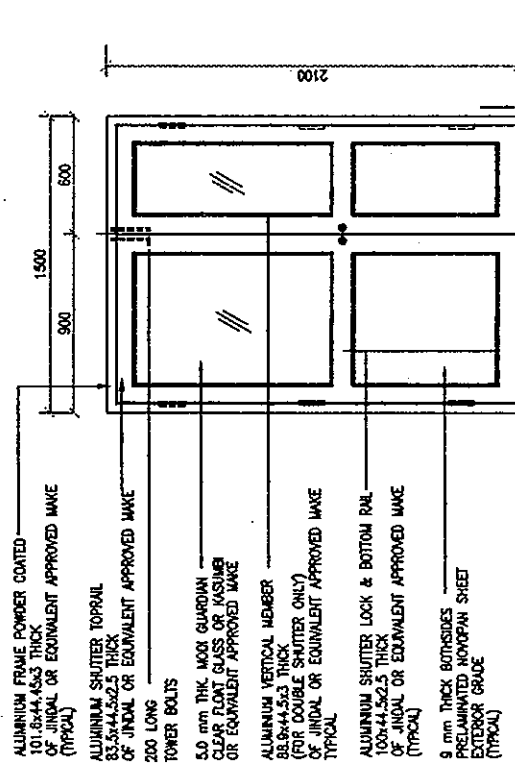
ELEVATION

D2 = 900x2100  
(ALUMINIUM DOOR)



ELEVATION

D3 = 1200x2100  
(ALUMINIUM DOOR)



ELEVATION

D4 = 1500x2100  
(ALUMINIUM DOOR)

- ABBREVIATIONS
- AL THK. ALUMINIUM THICK
  - F.G. FIXED GLASS
  - TYP. TYPICAL
  - F.F.L. FINISHED FLOOR LEVEL
  - W. WINDOW
  - V. VENTILATOR
  - EQ. EQUAL
  - S.S. STAINLESS STEEL
  - T.W. TEAK WOOD
  - WAPS WIDTH AS PER SCHEDULE
  - HOR. HORIZONTALLY
  - BK. BRICK

NOTES:

- (1) ALL DIMENSIONS ARE IN MILLIMETRES.
- (2) ALL AL. SECTIONS ARE FROM 'JINDAL' SECTIONS WITH APPROVED SHADE POWDER COATING.
- (3) ALL GLASSES SHALL BE CLEAR FLOAT GLASS FROM MOON GUARDIAN OR APPROVED EQUIVALENT.
- (4) ALL SECTIONS MARKS GIVEN ON U.S. WINDOWS FAB, FB, TB ETC. ARE FROM AHMEDABAD STEELCRAFT.

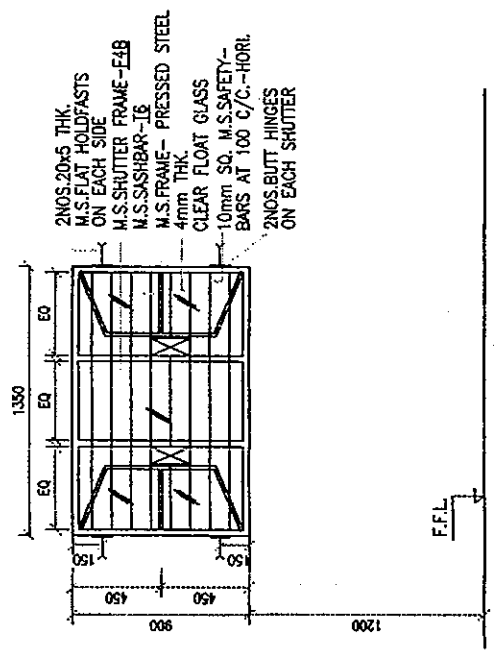
50mm CLEARANCE (TYP.)

50mm CLEARANCE (TYP.)

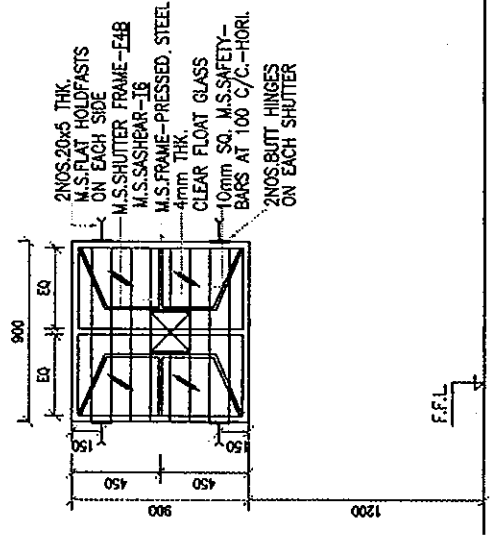
CONTRACTOR		SCALE : 1:25	
MITSUI KENSETSU INDIA LIMITED		<b>AS-BUILT DRAWING</b>	
A-1/20, SAFARJUNG ENCLAVE, NEW DELHI-110029, INDIA		THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA	
BY		DOORS : ELEVATIONS & DETAILS	
CHK.		MUNDRA HOSPITAL	
REV. DATE		YAMASHITA SEKKEI INC.-NIHON SEKKEI, INC. JAPAN	
REV. DATE		Dalal Consultants And Engineers Ltd. Ahmedabad - India	
REV. DATE		0114138-ABB-504	
REV. DATE		REV. R0	

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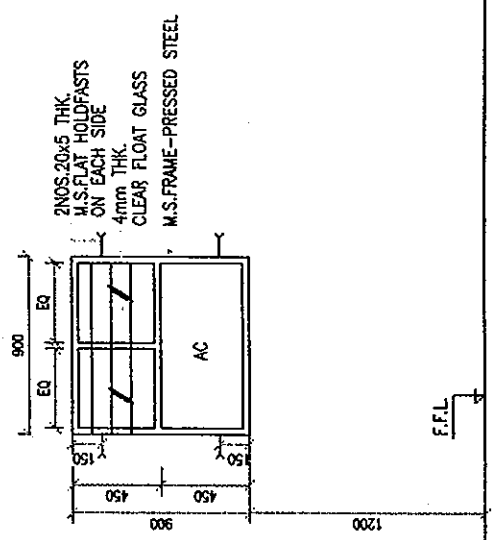
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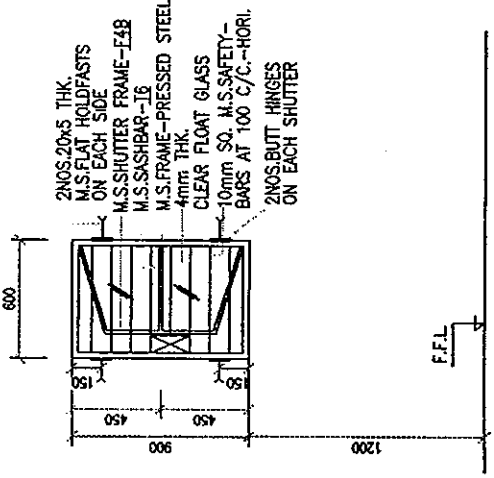
W1 = 1350x900 (M.S. POWDER COATED)  
(MASONRY OPENING)



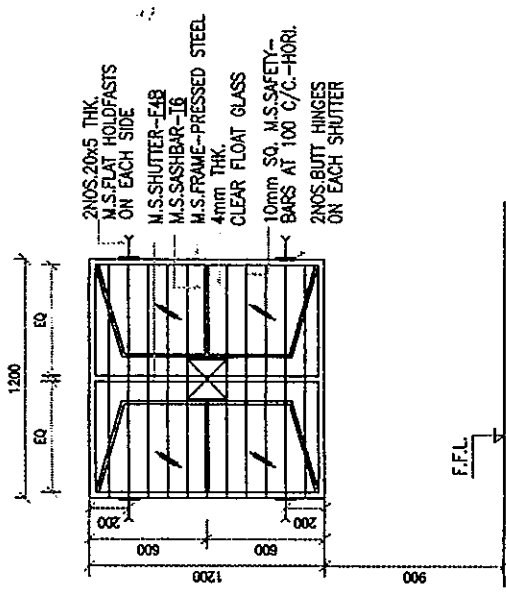
W2 = 900x900 (M.S. POWDER COATED)  
(MASONRY OPENING)



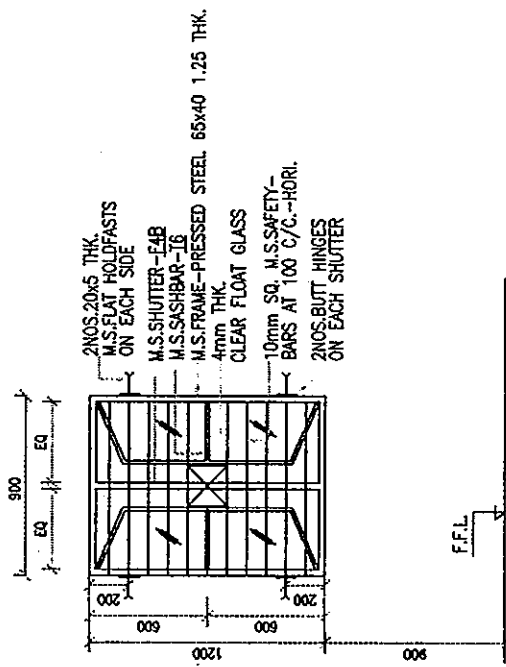
W2A = 900x900 (M.S. POWDER COATED)  
(MASONRY OPENING)



W3 = 600x900 (M.S. POWDER COATED)  
(MASONRY OPENING)



W4 = 1200x1200 (M.S. POWDER COATED)  
(MASONRY OPENING)



W5 = 900x1200 (M.S. POWDER COATED)  
(MASONRY OPENING)

- ABBREVIATIONS
- AL ALUMINIUM
  - BR BRICK
  - C/C CENTRE TO CENTRE
  - ENGG. ENGINEERING
  - EQ. EQUAL
  - F.G. FINISHED GLASS
  - F.F.L. FINISHED FLOOR LEVEL
  - HOR. HORIZONTAL
  - M.S. MILD STEEL
  - MM. MILLIMETRES
  - IRV. IRON
  - M.O. MASONRY OPENING
  - NOS. NUMBERS
  - S.S. STAINLESS STEEL
  - T.W. TEAK WOOD
  - THK. THICKNESS
  - TYP. TYPICAL
  - V. VENTILATOR
  - W.P.S. WIDTH AS PER SCHEDULE
  - W. WINDOW

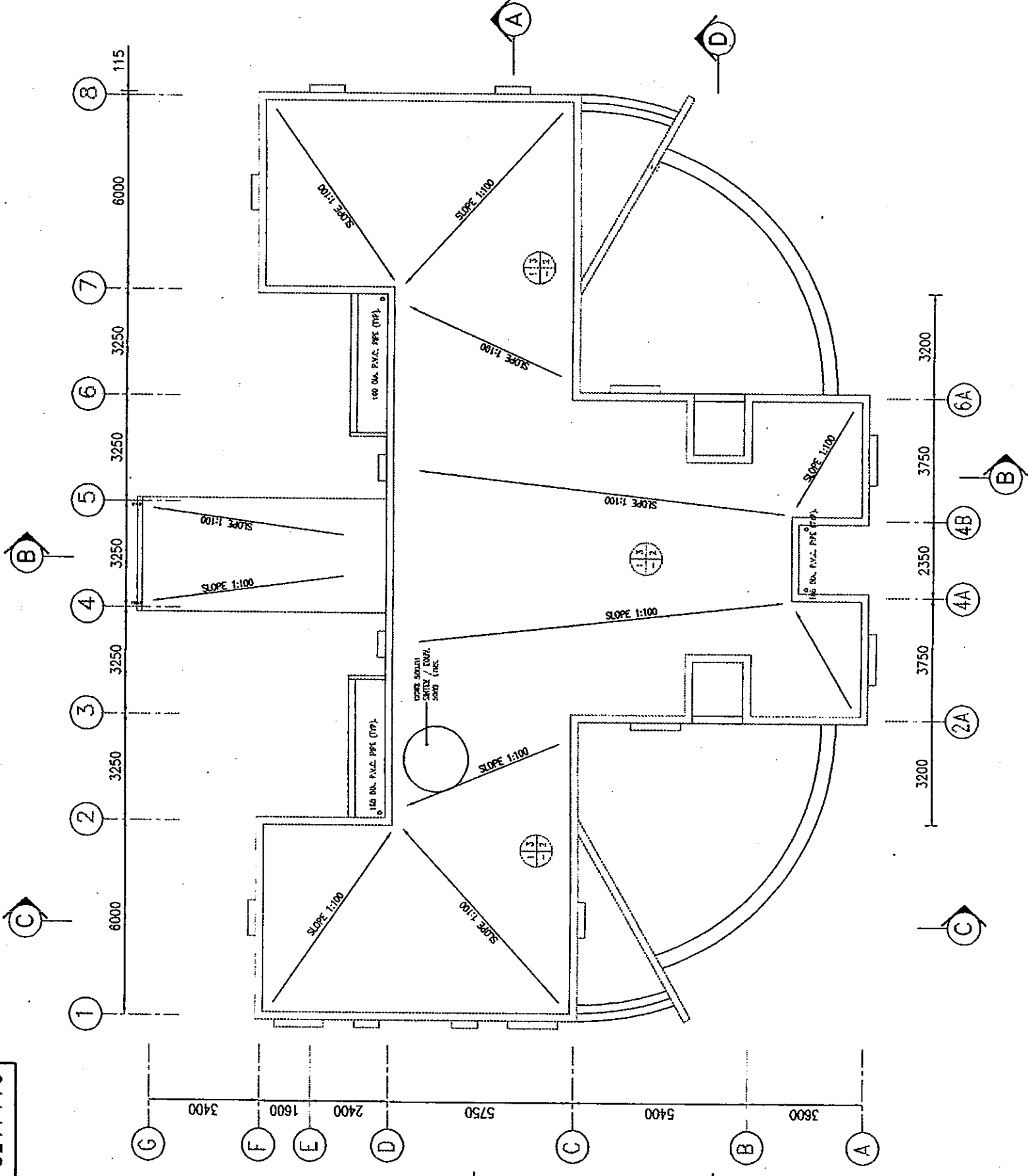
- NOTES:
- (1) ALL DIMENSIONS ARE IN MILLIMETRES.
  - (2) ALL AL SECTIONS ARE FROM 'INDIAL' SECTIONS WITH 15 MICRON ANODISING.
  - (3) ALL GLASSES SHALL BE CLEAR FLOAT GLASS FROM HONG KONG OR APPROVED EQUIVALENT.
  - (4) ALL SECTIONS MARKS GIVEN ON M.S. WINDOWS FAB, F78, TO ETC. ARE FROM AHMEDABAD STEELCRAFT.

<b>AS-BUILT DRAWING</b>		SCALE : 1:25
<b>THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA</b>		
CONTRACTOR <b>MITSUJI KENSETSU INDIA LIMITED</b> A-1/20, SAFDARJUNG ENCLAVE, NEW DELHI-110029, INDIA	PROJECT <b>WINDOW &amp; VENTILATORS : ELEVATIONS &amp; DETAILS</b> MUNDRA HOSPITAL	CLIENT <b>YAMASHITA SEKKEI INC.-NIHON SEKKEI, INC.</b> JAPAN
CONSULTANT <b>Delal Consultants And Engineers Ltd.</b> Engineers - Consultants - Contractors Ahmedabad - India		REV. <b>RO</b>
BY	CHK.	DEPT. MGR. ENGG.
ISSUED FOR CONSTRUCTION / BIDDING	DATE	REVISION
RO	9/8/01	REVISION
REFERENCE DRAWINGS		

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0114138-ABB-506



**FINISH SCHEDULE**

F : FLOOR  
 IW : INTERNAL SURFACE OF WALL  
 EW : EXTERNAL SURFACE OF WALL  
 C : CEILING

ITEM	DESCRIPTION
FLOOR	(1) F.F.S. WITH CONCRETE MASTER WATER RESISTING
WALL	(1) SINGLE COAT MUDA PLASTER WITH WIRE MESH - 12MM TH
	(2) DOUBLE COAT SURFACE PLASTER - (J.M.A. 7413-7) WITH GUNNET PART
	(3) 12 TH SINGLE COAT MUDA PLASTER WITH CONCRETE PAINT
CEILING	(1) 12MM TH. SINGLE COAT MUDA PLASTER WITH LINE WASH

**ABBREVIATIONS**

- AL = ALUMINIUM
- D = DOOR
- CH. = CHIMNEY
- F.F.L. = FINISHED FLOOR LEVEL
- IND. = INDIAN PATENT STONE
- NUM. = NUMBER
- TYP. = TYPICAL
- TH. = THICK
- V = VENTILATOR
- W = WINDOW

**NOTE:**

- (1) ALL DIMENSIONS ARE IN METRE/FEET.
- (2) DIMENSIONS GIVEN ARE EXCLUDING PLASTER THICKNESS.
- (3) ALL SILL DIMENSIONS ARE FROM F.F.L. TO TOP OF SILL.
- (4) ALL LITTLE DIMENSIONS ARE FROM F.F.L. TO BOTTOM OF LITTLE BEAM.
- (5) ALL DOORS, WINDOWS & VENTILATORS TO BE FROM APPROVED MANUFACTURER. MATERIAL & COLOURS OF INTERNAL & EXTERNAL FINISHES TO BE AS APPROVED BY OWNER.

**AS-BUILT DRAWING** SCALE : 1:100

**THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA**

**TERRACE PLAN**  
 MUNDRA HOSPITAL

**CONTRACTOR**  
 MITSUBI KENSETSU INDIA LIMITED  
 A-1/20, SAFDARJUNG ENCLAVE, NEW DELHI-110029, INDIA

**DESIGNER**  
 DALAL CONSULTANTS AND ENGINEERS LTD.  
 ENGINEERS - CONSULTANTS - CONTRACTORS  
 AHMEDABAD - INDIA

**CLIENT**  
 YAMASHITA SEKKI INC. - NIHON SEKKI, INC.  
 JAPAN

**PROJECT NO.** 0114138-ABB-506

**REV. R1**

NO.	DATE	REVISION
R1	5/9/01	FINISH SCHEDULE REVISED AS PER TECHNICAL SPECIFICATION
R0	10/9/01	ISSUED FOR CONSTRUCTION / BIDDING

**REFERENCE DRAWINGS**

CHK	DESIGNER	APP'D	DATE

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**SCHEDULE OF OPENINGS & BRIEF DESCRIPTION OF DOOR & VENTILATORS**

TYPE	SIZE	NOS	SILL TOP	LINTEL BOTTOM	REMARKS
D	900x2100	01	--	2100	M.S. PRESSED STEEL FRAME WITH M.S. SHUTTERS POWDER COATED
V	600x600	02	2400	3000	FIXED GLASS 'Z' TYPE M.S. POWDER COATED

**FINISH SCHEDULE**

F : FLOOR  
 IW : INTERNAL SURFACE OF WALL  
 EW : EXTERNAL SURFACE OF WALL  
 C : CEILING



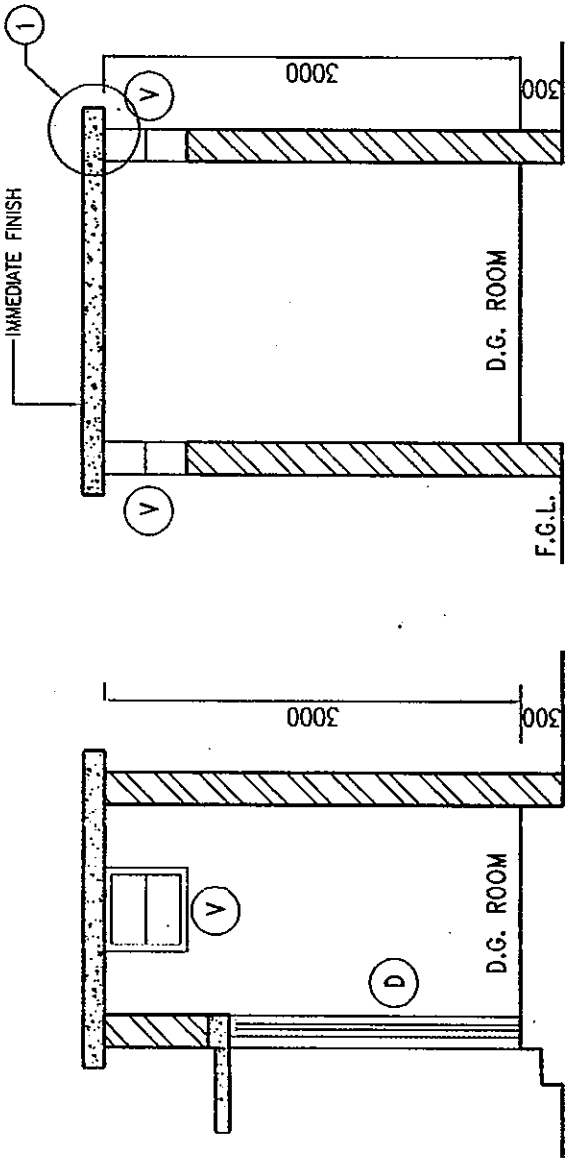
LOCATION	FINISH
FLOOR	(1) I.P.S. FLOORING
WALL	(1) 12mm THK. SINGLE COAT MALA PLASTER WITH WHITE WASH (2) DOUBLE COAT SANDFACED PLASTER-19MM THK. WITH CEMENT PANT
CEILING	(1) SINGLE COAT MALA PLASTER WITH WHITE WASH

**ABBREVIATIONS**

- D = DOOR
- DRG. = DRAWING
- F.F.L. = FINISHED FLOOR LEVEL
- I.P.S. = INDIAN PATENT STONE
- NO. = NUMBER
- TYP. = TYPICAL
- THK. = THICK.
- V = VENTILATOR

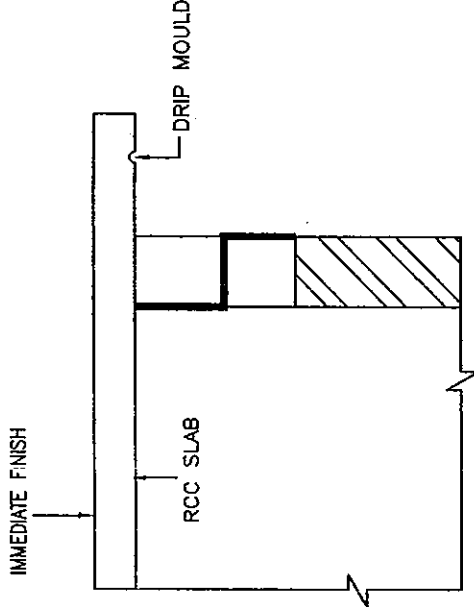
**NOTE:**

- (1) ALL DIMENSIONS ARE IN MILLIMETRES.
- (2) DIMENSIONS GIVEN ARE EXCLUDING PLASTER THICKNESS.
- (3) ALL SILL DIMENSIONS ARE FROM F.F.L. TO TOP OF SILL.
- (4) ALL LINTEL DIMENSIONS ARE FROM F.F.L. TO BOTTOM OF LINTEL BEAM.
- (5) ALL DOORS, WINDOWS & VENTILATORS TO BE FROM APPROVED MANUFACTURER, MATERIAL & COLOURS OF INTERNAL & EXTERNAL FINISHES TO BE AS APPROVED BY OWNER.

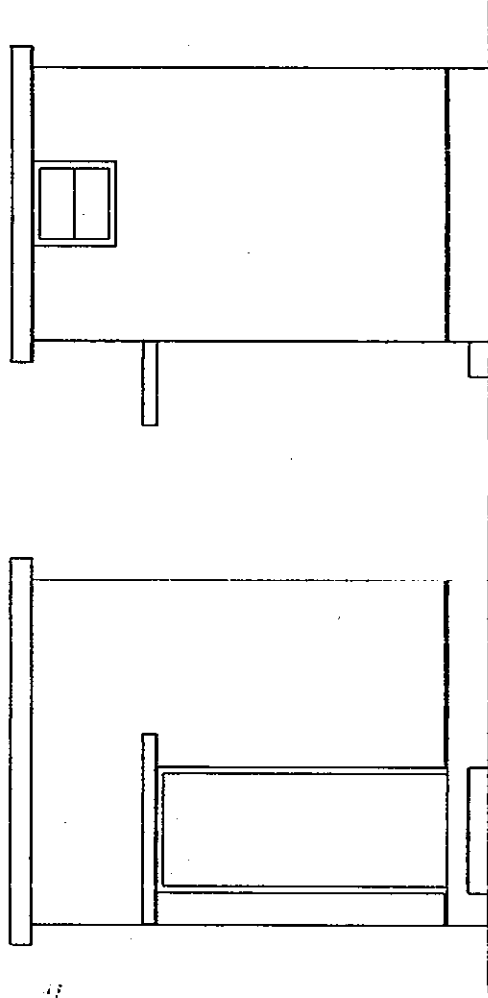


SECTION-AA

SECTION-BB

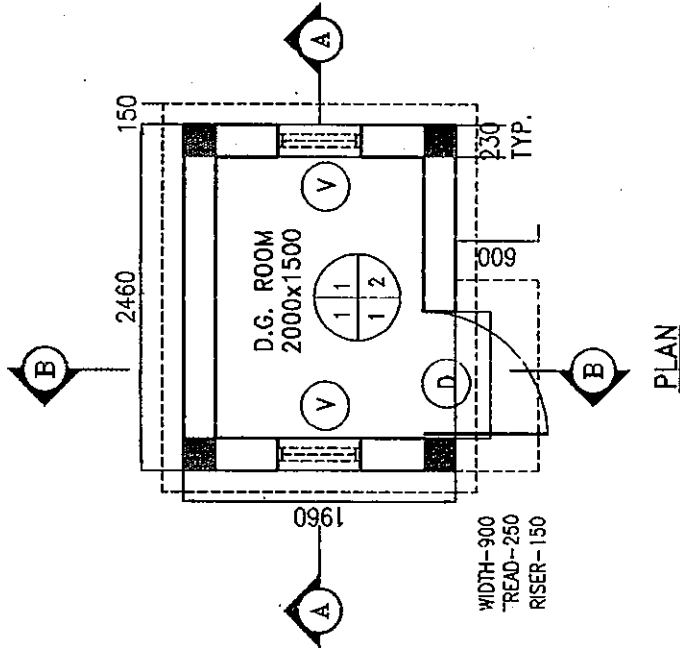


DET. 1



FRONT ELEVATION

SIDE ELEVATION



PLAN

CONTRACTOR  
**MITSU KENSETSU INDIA LIMITED**  
 A-1/20, SAFARJUNG ENCLAVE,  
 NEW DELHI-110029, INDIA

**AS-BUILT DRAWING**

SCALE : 1:50

**THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTED AREAS IN INDIA**

D.G. ROOM  
 MUNDRA HOSPITAL

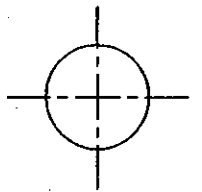
YAMASHITA SEKKI INC.-NIHON SEKKI, INC. JAPAN

**Dalal Consultants And Engineers Ltd.**  
 Engineers - Consultants - Contractors  
 Ahmedabad - India

REV. 0114138-ABC-507 R0

RO 24/07/01 ISSUED FOR CONSTRUCTION/BIDDING  
 REV. DATE REVISION

REFERENCE DRAWINGS

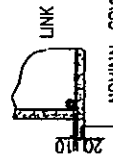


**FOR EARTH WORK (FOUNDATIONS)**

- ENTIRE BUILDING SHALL BE FOUNDED AT THE SAME LEVEL AND ON THE SAME TYPE OF SOIL IN ORDER TO AVOID DIFFERENTIAL SETTLEMENT AND FOUNDATION SHALL BE LAID BELOW ANY LOOSE FINE SAND, SILT AND/OR ANY EXPANSIVE CLAYS. ALTERNATIVELY ANY ERRATIC FOUNDATION SOIL CAPACITY SHALL BE IMPROVED BY CODE SUGGESTED METHODS AS APPROVED BY ENGINEER.
- THE FOUNDING LEVEL FOR COLUMN FOOTINGS SHALL BE KEPT AT MINIMUM SPECIFIED DEPTH FROM THE NATURAL GROUND LEVEL. IF FISSURES OR CRACKS ARE FOUND AT THE FOUNDING LEVEL THE SAME SHALL BE FILLED AND GROUTED WITH CEMENT MORTAR PROPORTION 1:3. AS SOON AS EXCAVATION HAS REACHED FOUNDING LEVEL, THE BOTTOM OF PIT SHALL BE CLEARED OF ANY STANDING WATER MUD, DEBRIS AND SHALL BE WELL COMPACTED AND IMMEDIATELY FILLED WITH P.C.C. 1:4:8, ALL TO APPROVAL OF ENGINEER.
- PITS SHALL BE MAINTAINED DRY BY HAVING A PUMP BEYOND THE LEAN CONCRETE ZONE AND BY CONTINUOUS PUMPING OF WATER.
- RUBBLE USED FOR PACKING UNDER FLOORS SHALL BE HARD, DURABLE, FREE FROM DEFECTS AND OF 200mm-230mm SIZE. RUBBLE SHALL BE LAID CLOSELY IN POSITION AND ALL SMALL INTERSTICES SHALL BE FILLED WITH SMALLER STONES AND MURRUM AND WELL RAMMED TO ENSURE TIGHT PACKING AND ROLLED WITH 8/10 T. ROAD ROLLER.
- WHERE ONLY BLACK SOIL IS MET, EXCAVATION SHALL BE DONE DEEPER UPTO 300mm IN YELLOW SOIL IN SUCH FOOTINGS THE FOUNDING LEVEL SHALL BE KEPT THE SAME AS IN OTHER FOOTINGS AND BELOW THE FOOTINGS, ADDITIONAL RUBBLE SOLING LAYERS FILLED UP WITH PLUM CONCRETE (1:4:8 USING 200 TO 230mm SIZE STONES) UPTO FOUNDING LEVEL, OR WITH ADDITIONAL RUBBLE SOLING LAYERS.
- MATERIAL FOR PLINTH AND GRADE FILLING SHALL BE NON SWELLING/NON EXPANSIVE TYPE OF MURRUM OR STABILIZED MATERIAL APPROVED BY ENGINEER PRIOR TO PLINTH FILLING/GRADE FILLING. TOP SOIL UP TO NECESSARY DEPTH SHALL BE CLEARED OF ALL VEGETATION. PLINTH /GRADE FILLING SHALL BE DONE IN LAYERS OF 200mm. THICKNESS AND WELL COMPACTED TO 95% PROCTOR DENSITY.
- ANTITERMITE TREATMENT TO FOUNDATIONS AND PLINTH FILLING SHALL CONFORM TO IS:6313 CODE OF PRACTICE.

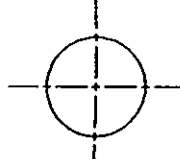
**FOR CONCRETE WORK**

- CONTROLLED CONCRETE SHALL BE OF M20 GRADE UNLESS SPECIFIED OTHERWISE (FOR MILD ENVIRONMENTAL EXPOSURE) AND SHALL CONFORM TO IS:456-2000 FOR DURABILITY REQUIREMENTS.
- FOR LIQUID RETAINING STRUCTURES CONCRETE SHALL BE M20 GRADE WITH INCREASED COVER TO MAIN STEEL AS SPECIFIED.
- ALL CONTROLLED CONCRETE WORK SHALL BE MACHINE MIXED AND MACHINE VIBRATED. SIX CUBES SHALL BE TAKEN FROM EACH SPECIFIED POUR, THREE FOR TESTING AFTER 7 DAYS & THREE AFTER 28 DAYS & THE SAME SHALL BE DONE TRUE TO DIMENSIONS, LINES & LEVELS, TOLERANCES COMPLYING IS:456.
- FOR CONTROLLED REINFORCED CONCRETE MINIMUM CEMENT CONTENT SHALL BE 300kg/m<sup>3</sup> AND WATER CEMENT RATIO SHALL NOT EXCEED 0.50. FOR MILD EXPOSURE WITH MAXIMUM SLUMP 100mm; AND MIXING TIME MIN. 2 MINUTES.
- POZZOLANA CEMENT SHALL NOT BE USED IN R.C.C. WORK UNLESS SPECIALLY PERMITTED. ORDINARY PORTLAND CEMENT SHALL BE 43 GRADE CONFORMING TO IS:8112 FOR ORDINARY CONC.
- ALL CEMENT LOTS SHALL BE TESTED IN ACCORDANCE WITH IS:4031 FOR CEMENT AND IN ACCORDANCE WITH IS:516 FOR CONCRETE, FOR INITIAL & FINAL SETTING TIME FOR PREPARING MORTAR CUBES AND CONCRETE CUBES. ONLY UPON CONFIRMATION THAT THE CEMENT IS OF SATISFACTORY QUALITY, SHALL THE SAME BE USED FOR STRUCTURAL CONCRETE WORK.
- AGGREGATES SHALL BE HARD, STRONG, DURABLE, CLEAN AND FREE FROM ADHERENT COATINGS, FLAKY AND ELONGATED PIECES SHALL BE AVOIDED.
- MAXIMUM SIZE OF AGGREGATE SHALL BE 40mm. FOR FOOTING AND 20mm. FOR ALL OTHER WORKS.
- APPROPRIATE KEYS SHALL BE PROVIDED AT ALL CONSTRUCTION JOINTS.
- AT ALL COLD CONSTRUCTION JOINTS THE HARDENED CONCRETE SHALL BE CHIPPED TO REMOVE ALL LOOSE MATERIALS & LANTANCE; AND BEFORE POURING FRESH CONCRETE, THE SURFACE SHALL BE CLEANED WITH A WATER JET & A LAYER OF RICH CEMENT GROUT PLACED.
- EXPANSION JOINTS SHALL BE FILLED WITH PREMOULDED JOINT FILLER BOARD AND SEALED WITH SILICONE OR POLYSULPHIDE SEALANT AS SPECIFIED.
- IN ALL LIQUID RETAINING STRUCTURES RIBBED TYPE 230 WIDE PVC WATER BARS SHALL BE PROVIDED AT EACH CONSTRUCTION JOINT AND EMBEDDED AS PER MANUFACTURER'S RECOMMENDATIONS. JOINT SHALL BE LAPPED & WELDED AS RECOMMENDED BY MANUFACTURER & AS PER GOOD PRACTICE.
- SHUTTERING SHALL BE OF FRAMED PHENOL- FORMALDYHIDE RESIN BONDED PLYWOOD PANELS OR METAL PANELS OR EQUIVALENT, TO PRODUCE SURFACE IN ONE PLANE, FREE FROM LIPS, FINS, ETC. AND NO CONCRETE SHALL BE PLACED IN FORMS WITH STANDING WATER OR MUD. STRIPPING TIME OF FORMS & CURING (MINIMUM 10 DAYS) SHALL COMPLY IS:456.
- THE INTERIOR SURFACE OF THE SHUTTERING SHALL BE COATED WITH APPROVED "MOULD OIL" AND USE SHALL BE SUCH THAT IT WILL NOT CAUSE STAINS TO APPEAR ON THE CONCRETE.
- NOMINAL COVER TO REINFORCEMENT UNLESS SPECIFIED CONFORMING DURABILITY & FIRE RESISTANCE:
  - a - 50mm. IN FOOTING
  - b - 40mm. IN COLUMN PLUS 10mm EXTRA COVER FOR COLUMN BELOW GROUND LEVEL.
  - c - 30mm. IN BEAM / 35mm. IN PLINTH BEAM
  - d - 20mm. IN SLAB / LINTEL
  - e - 25mm. IN WALL PLUS 10mm EXTRA COVER FOR WALL BELOW GROUND LEVEL



**FOR BRICK MASONRY WORK**

- BRICK MASONRY SHALL BE CONSTRUCTED IN ENGLISH BOND CONFORMING TO IS:2212 CODE OF PRACTICE FOR BRICK WORK AND IS:1905 CODE OF PRACTICE FOR STRUCTURAL SAFETY OF BLDG. MASONRY WALLS, EARTH QUAKE RESISTANT DESIGN AND CONSTRUCTION OF BUILDINGS SHALL CONFORM TO IS:4326.
- CONVENTIONAL BRICK UNITS SHALL BE STRONG WITH SHARP EDGES, DURABLE AND OF UNIFORM SIZE, CONFORMING TO IS:1077 HAVING MINIMUM CRUSHING STRENGTH NOT LESS THAN 3.5N/mm<sup>2</sup>.
- MINIMUM THREE BRICKS SHALL BE SELECTED AT RANDOM FROM EACH LOT AND SHALL BE TESTED FOR CRUSHING STRENGTH AND WATER ABSORPTION & TEST RESULTS SHALL BE IN CONFORMITY WITH RELEVANT STANDARDS FOR TESTING.
- BRICK MASONRY SHALL BE CONSTRUCTED IN CEMENT MORTAR 1:6 (TYPE M2) UNLESS SPECIFIED OTHERWISE.
- MORTAR FOR MASONRY SHALL CONFORM TO IS:2250.
- ALL MASONRY JOINTS SHALL BE RAKED TO A DEPTH OF 6mm TO ENSURE EFFECTIVE BOND WITH PLASTER.
- ALL PARTITION (HALF BRICK THICK) WALLS LENGTH UP TO 6.0M SHALL BE PROVIDED WITH REINFORCEMENT AT EVERY FOURTH COURSE WITH 2 NOS 6mm DIA BARS. HALF THE MORTAR SHALL BE LAID FIRST AND OTHER HALF LAID AFTER THE REINFORCEMENT IS LAID.



**FOR REINFORCEMENT WORK**

- INDICATES MILD STEEL OF YIELD STRENGTH 250 N/mm<sup>2</sup> CONFORMING TO IS:432.
- INDICATES HIGH STRENGTH COLD TWISTED DEFORMED BARS CONFORMING TO IS:1786. WITH 0.2% PROOF STRESS NOT LESS THAN 415N/mm<sup>2</sup> THERMO MECHANICALLY TREATED (TMT) DEFORMED BARS OF GRADE Fe 415 COMBINING DUCTILITY & HIGH STRENGTH SHALL BE DEFORMED TYPE PREFERRED TO CTD BARS.
- ALL LAPS AND ANCHORAGE LENGTHS (LAPS SHALL BE AVOIDED AT POINTS OF HIGHER TENSION STRESS BUT IF UNAVOIDABLE) SHALL BE 50 X DIA. OF BARS FOR COLD TWISTED DEFORMED BARS & 45 X DIA. OF BARS FOR PLAIN BARS. LAP LENGTH FOR TOP TENSION BARS WITH MIN. COVER LESS THAN TWICE THE BARS DIA. SHALL BE INCREASED BY 40% AND FOR BARS WHOSE CLEAR SPACING IS LESS THAN 75mm AND FOR TOP CORNER THIS AS WELL AS NOT MAINTAINING MINI. COVER AS MENTIONED ABOVE SHALL ALSO BE INCREASED BY 40% FOR THOSE BARS NOT MEETING EITHER THIS AS WELL AS NOT MAINTAINING MINI. CLEAR DISTANCE BETWEEN ADJACENT LAPS. THE LAP LENGTH SHALL BE INCREASED BY TWICE THE REQUIRED LAP LENGTH ie. 100 x DIA. OF BARS FOR Fe 415 GRADE & 90 x DIA. OF Fe 250 GRADE FOR CONCRETE GRADE M20.
- BAR BENDING SHALL CONFORM TO IS:2502.
- ALL REINFORCEMENT SHALL BE THOROUGHLY CLEANED OF ALL GREASE, MILL SCALE, LOOSE RUST OR ANYTHING LIKELY TO DESTROY THE ADHESION OF THE STEEL TO THE CONCRETE.
- PROVIDE SUFFICIENT CHAIRS AND SPACERS TO KEEP THE BARS IN PROPER POSITION.
- GOOD QUALITY DUCTILE BINDING WIRE OF 1.25mm. DIA. SHALL BE USED AT ALL BAR INTERSECTIONS.
- NO CONCRETING SHALL COMMENCE UNTILL THE BARS HAVE BEEN PROPERLY PLACED, TIED, AND HAVE BEEN INSPECTED AND APPROVED BY ENGINEER-IN-CHARGE.
- COLUMNS BARS TO BE LAPPED BY 50 X BAR DIA. FOR COLD TWISTED DEFORMED BARS AND ALL SUCH LAPS SHALL BE STAGGERED WITH ADJACENT BARS. MINIMUM 300mm. SPLICING/LAPPING IN BEAMS AND COLUMNS SHALL CONFORM TO IS:13920 FOR DUCTILE DETAILING OF R.C.C. STRUCTURES SUBJECTED TO EARTH QUAKE INTENSITY MSK SCAL VIII & MORE & FALLING UNDER EQ. ZONE IV & V.

**DESIGN NOTES**

- THESE NOTES SHALL HAVE PRECEDENCE OVER OTHER SIMILAR NOTES MENTIONED IN THIS AND OTHER DRGS.
- FOLLOWING DESIGN PARAMETERS HAVE BEEN ADOPTED FOR STRUCTURAL DESIGN.
  - (i) NET SAFE BEARING CAPACITY OF SOIL ADOPTED (AT 1.5m FROM N.G.L. FOR ANJAR & AT 2.0m FROM N.G.L. FOR MUNDRA) 150KN/m<sup>2</sup> BASED ON SOIL INVESTIGATION REPORT CARRIED OUT AND SUBMITTED BY K.C.I. SOIL TESTING CONSULTANCY SERVICES OF DATED 28/07/2001, AHMEDABAD, FOR EQ. DISASTER AREA IN KUTCHH, GUJARAT.
  - (ii) LIVE LOAD (G) HOSPITAL BLOCK=3KN/m<sup>2</sup> & STAFF QUARTERS BLOCK=2KN/m<sup>2</sup> (b) ROOF SLAB 1.50KN/m<sup>2</sup>.
  - (iii) WIND VELOCITY : 50 METRES/SECOND - SHALL CONFORM TO IS:875 (PART-II).
  - (iv) SEISMIC COEFFICIENT : 0.08 FOR ZONE-V (EXCLUDING SOIL FOUNDATION & BUILDING IMPORTANCE FACTOR) FOR EQ. RESISTANT DESIGN & DUCTILITY DETAILING & CONSTRUCTION ETC SHALL CONFORM TO IS:1893, IS:13920 AND IS:4326 RESPECTIVELY.
- MATERIALS OF CONSTRUCTION SHALL HAVE THE FOLLOWING STRENGTHS:
  - (a) CONCRETE CHARACTERISTIC STRENGTH M20 (MILD EXPOSURE ENVIRONMENT), FOR ORDINARY CONCRETE WORK AND M15 .....15N/mm<sup>2</sup> FOR P.C.C.
  - (b) CONVENTIONAL BRICK UNITS .....MIN. CRUSHING STRENGTH 3.5N/mm<sup>2</sup> (CONFORM TO IS:1077 & MASONRY DESIGN & CONSTRUCTION SHALL CONFORM TO IS:1905 & IS:4326
  - (c) HIGH YIELD STRENGTH COLD TWISTED DEFORMED BARS Fe415 .....415N/mm<sup>2</sup> AND THERMO MECHANICALLY TREATED (TMT) BARS PREFERRED TO CTD BARS.
- CONCRETE GRADE : AS SPECIFIED ON DRAWINGS SHALL BE CONFORMING TO IS:456-2000 FOR DURABILITY REQUIREMENTS.
- BUILDING FOUNDATIONS SHALL BE DESIGNED TAKING INTO ACCOUNT SEISMIC FORCES SPECIFIED IN IS:1893, IS:1080, IS 1904, IS:2950 (PART-I), IS:2911 (PART-I & II) SUITABLE TO TYPE OF GROUND SOIL/WATER TABLE ENCOUNTERED AND SBC & DESIGN SOIL PARAMETERS ASSUMED SHALL BE AS RECOMMENDED IN SOIL INVESTIGATION REPORT.

CONTRACTOR  
MITSUJI KENSETSU  
INDIA LIMITED  
A-1/20, SAFDARJUNG ENCLAVE,  
NEW DELHI-110029, INDIA

**AS-BUILT DRAWING**

SCALE : 1:100

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT  
EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA  
GENERAL NOTES. (CIVIL STRUCTURAL)

(RECONSTRUCTION SUPPORT PROJECT IN EQ. DISASTER DEVASTATED AREA IN KUTCH REGION OF GUJ. (INDIA)).  
YAMASHITA SEKKEI INC.-NIHON SEKKEI, INC. JAPAN

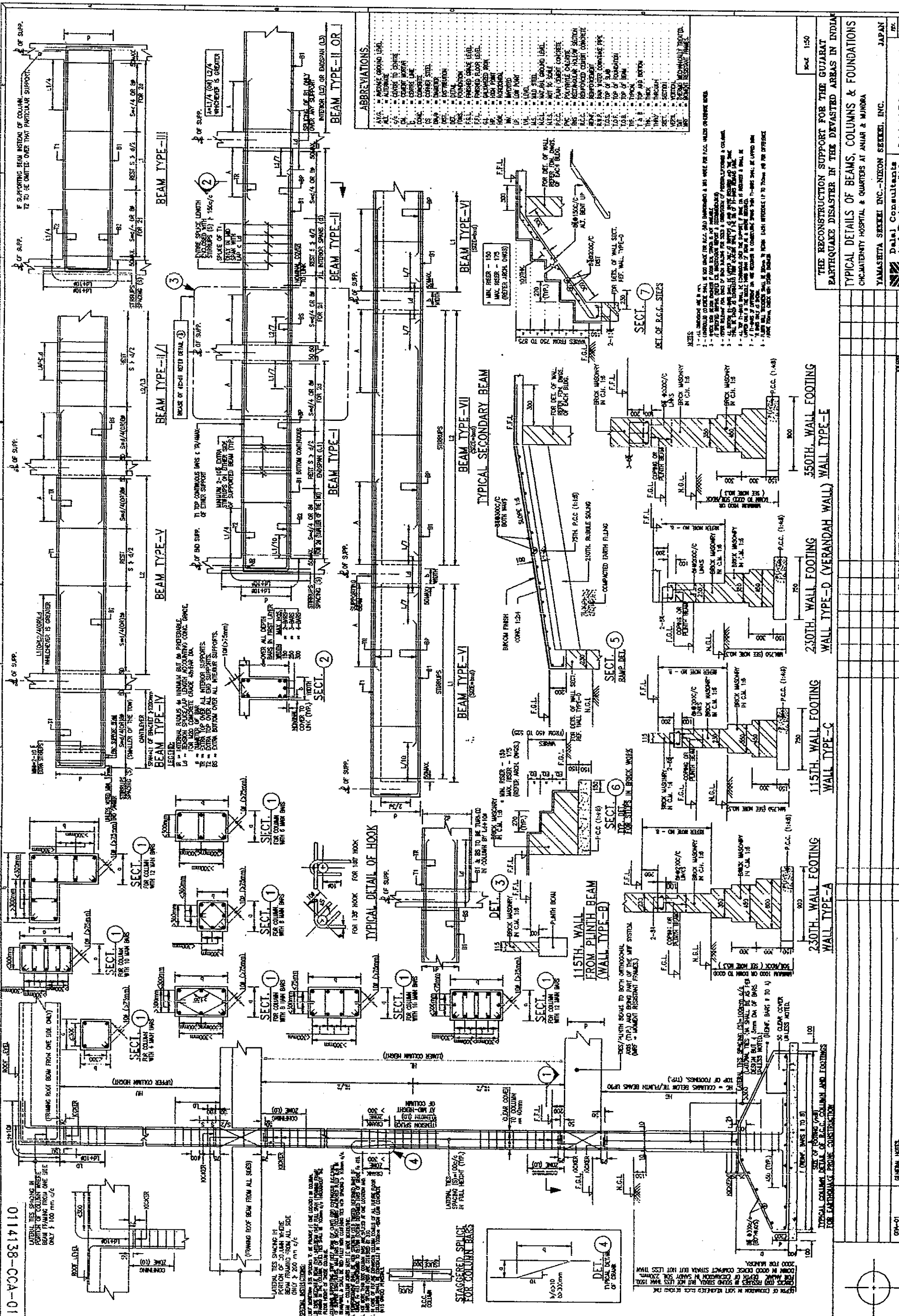
Dalal Consultants  
And Engineers Ltd.  
Engineers - Consultants - Contractors  
Ahmedabad - India

0114138-GSA-01

REV. RO

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10-CC-821710



THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA

TYPICAL DETAILS OF BEAMS, COLUMNS & FOUNDATIONS

CHC MATERNITY HOSPITAL & QUARTERS AT ANJAR & MUNDRA

YAMASETTA SREEKRI INC. - NEON SREEKRI, INC. JAPAN

Dalel Consultants And Engineers Ltd. Ahmedabad - India

0114138-CCA-01 RO

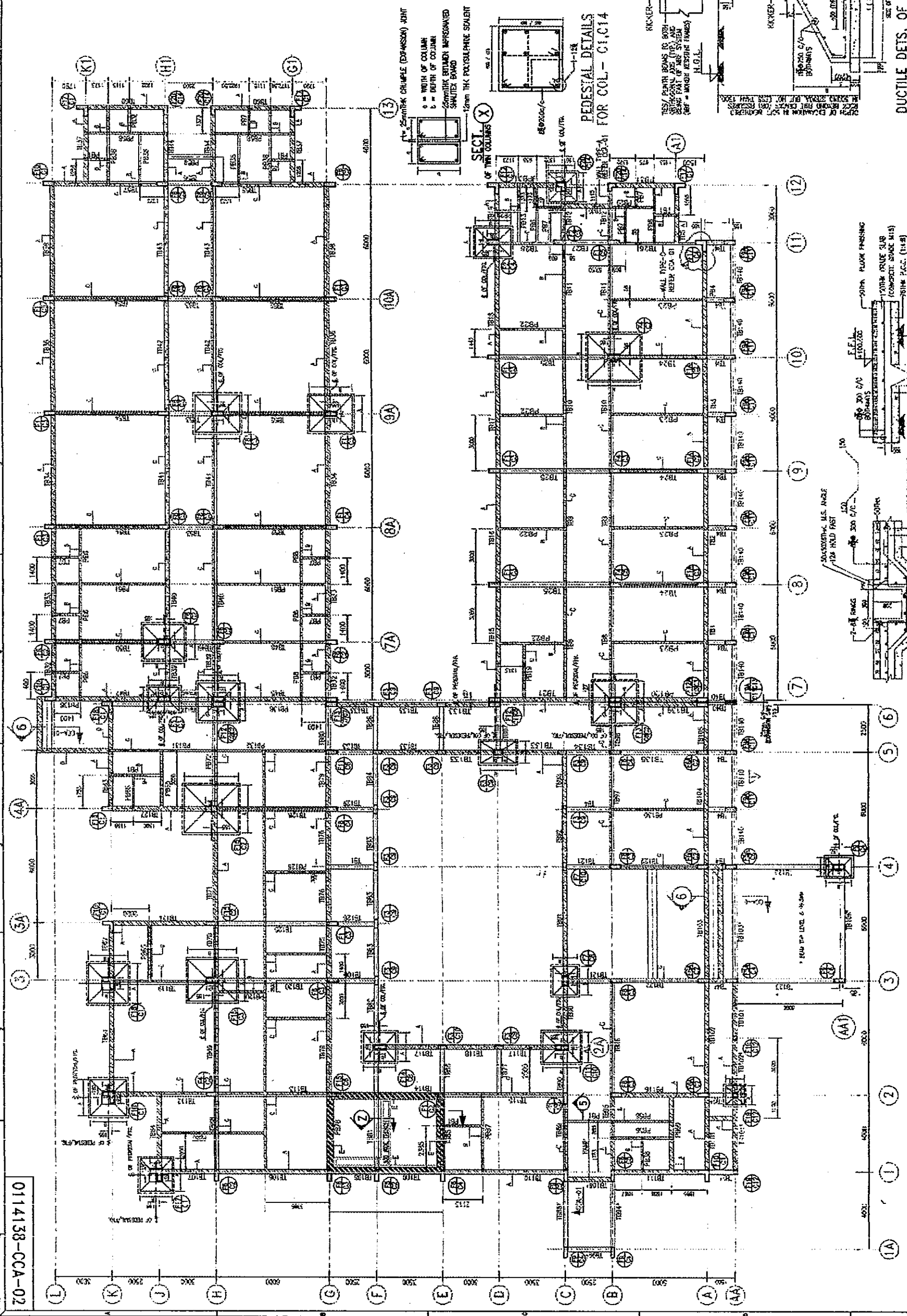
0114138-CCA-02

**SCHEDULE OF R.C. FOOTINGS**

NO.	TYPE	QTY	UNIT	REMARKS
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**SCHEDULE OF R.C. COLUMNS**

NO.	TYPE	QTY	UNIT	REMARKS
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**AS-BUILT DRAWING**  
 THIS RECONSTRUCTION SUPPORT FOR THE GUJARAT  
 EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIAN  
**STRUCTURAL LAYOUT & DETAILS OF FOUNDATION & TIE/PLINTH BEAMS.**  
 COMMUNITY HEALTH CENTER AT - ANJAR

**CONTRACTOR**  
 MITSUBI KENSETSU  
 INDIA LIMITED  
 14/70, SARVODAYA BLDG.,  
 1ST FLOOR, 110028, BANG.

**DATE:** 11/01/20

**DESIGNER**  
 YAMAHITA SEKKI INC.-NIHON SEKKI, INC.  
 JAPAN

**PROJECT NO.** 0114138-CCA-02  
**R2**

**DETAIL OF GRADE SLAB**

**DETAILS OF TWIN COLUMNS AND FOOTING**

**FOUNDATION PLAN**

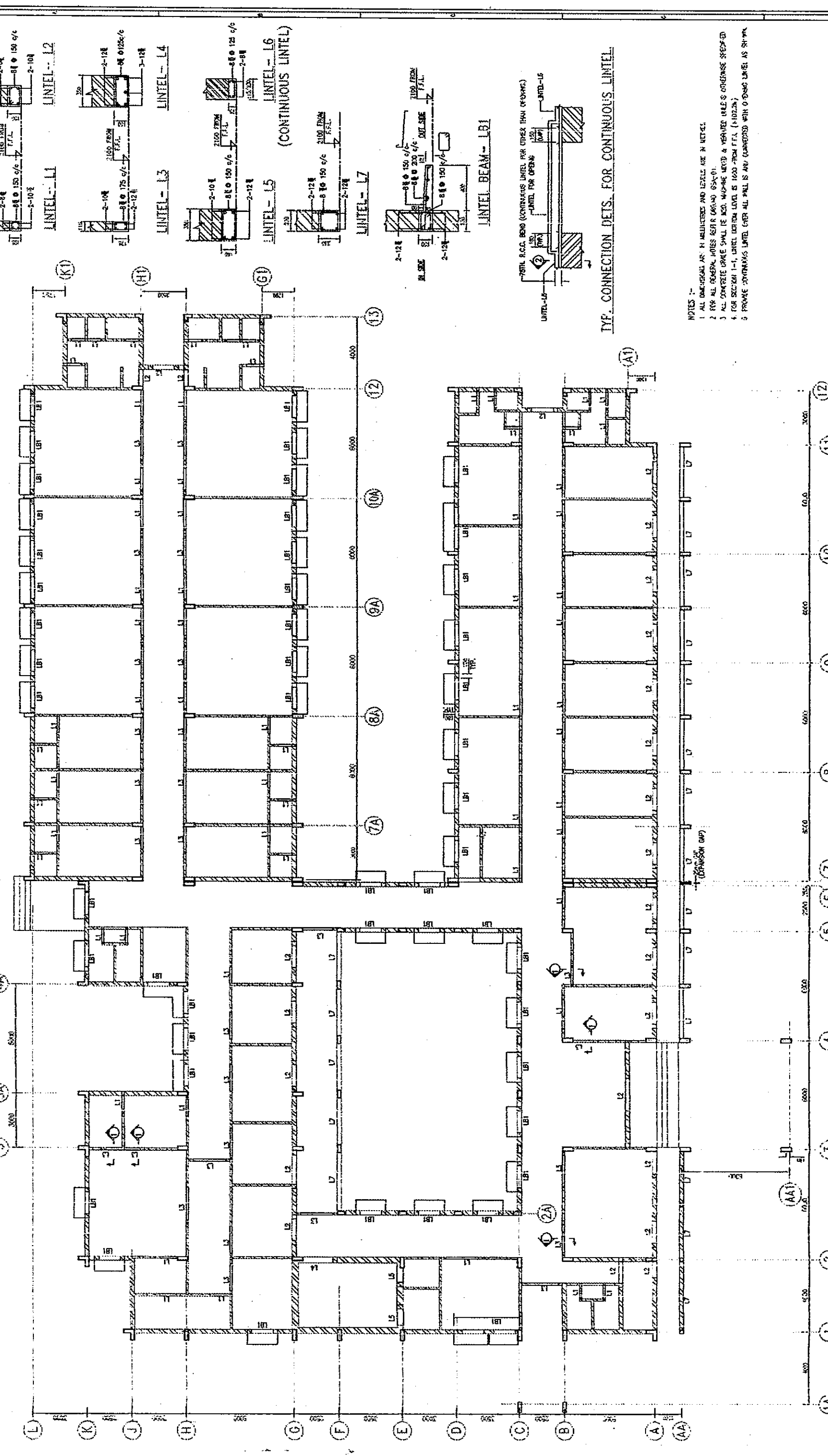
SCALE: 1:100

NOTES:  
 1. ALL DIMENSIONS ARE IN METRES AND LEVELS ARE IN METRES.  
 2. FOR ALL GENERAL NOTES REFER DRG. NO. CCA-01  
 3. ALL CONCRETE GRADE SHALL BE M20, MACHINE MIXED & VIBRATED UNLESS OTHERWISE SPECIFIED.  
 4. FOR ALL GENERAL SECTION REFER DRG. NO. CCA-01  
 5. FOR ALL COLUMN SECTION REFER DRG. NO. CCA-01.

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0114138-CCA-03



TYP. CONNECTION DETS. FOR CONTINUOUS LINTEL

- NOTES :-
1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS.
  2. FOR ALL REINFORCING NOTES REFER DRAWING 05A-01.
  3. ALL CONCRETE GRADE SHALL BE M20. WALLS, MISC. & VERTICAL WALLS OTHERWISE SPECIFIED.
  4. FOR SECTION 1-1, LINTEL BOTTOM LEVEL IS 1000 FROM F.F.L. (+102.20).
  5. PROVIDE CONTINUOUS LINTEL OVER ALL WALLS AS SHOWN COMPARED WITH OTHER LINTEL AS SHOWN.

**AS-BUILT DRAWING**

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT  
EARTHQUAKE DISASTER IN THE DRYASTED AREAS IN INDIA

**STRUCTURAL LAYOUT & DETAILS AT LINTEL LEVEL.**

COMMUNITY HEALTH CENTER AT ANAR

YAMASHITA SATEKI INC.-NISHIN SHIKKI, INC. JAPAN

Detail Consultants  
And Engineers Ltd.  
Ahmedabad - India

0114138-CCA-03 RO

SCALE: 1:100 (L20)

CONTRACTOR: **MITSUBI KENSETSU INDIA LIMITED**  
A-1/7A, SARVAMANGAL ENCLAVE, NEW DELHI-110028, INDIA

NO.	REV.	DATE	BY	CHK.	REVISION

NO.	REV.	DATE	BY	CHK.	REVISION

SECOND FLOOR PLAN

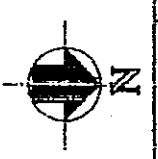
STRUCTURAL LAYOUT & DETAILS OF FOUNDATIONS

GENERAL NOTE:

TYPICAL FOUNDATION DETAILS

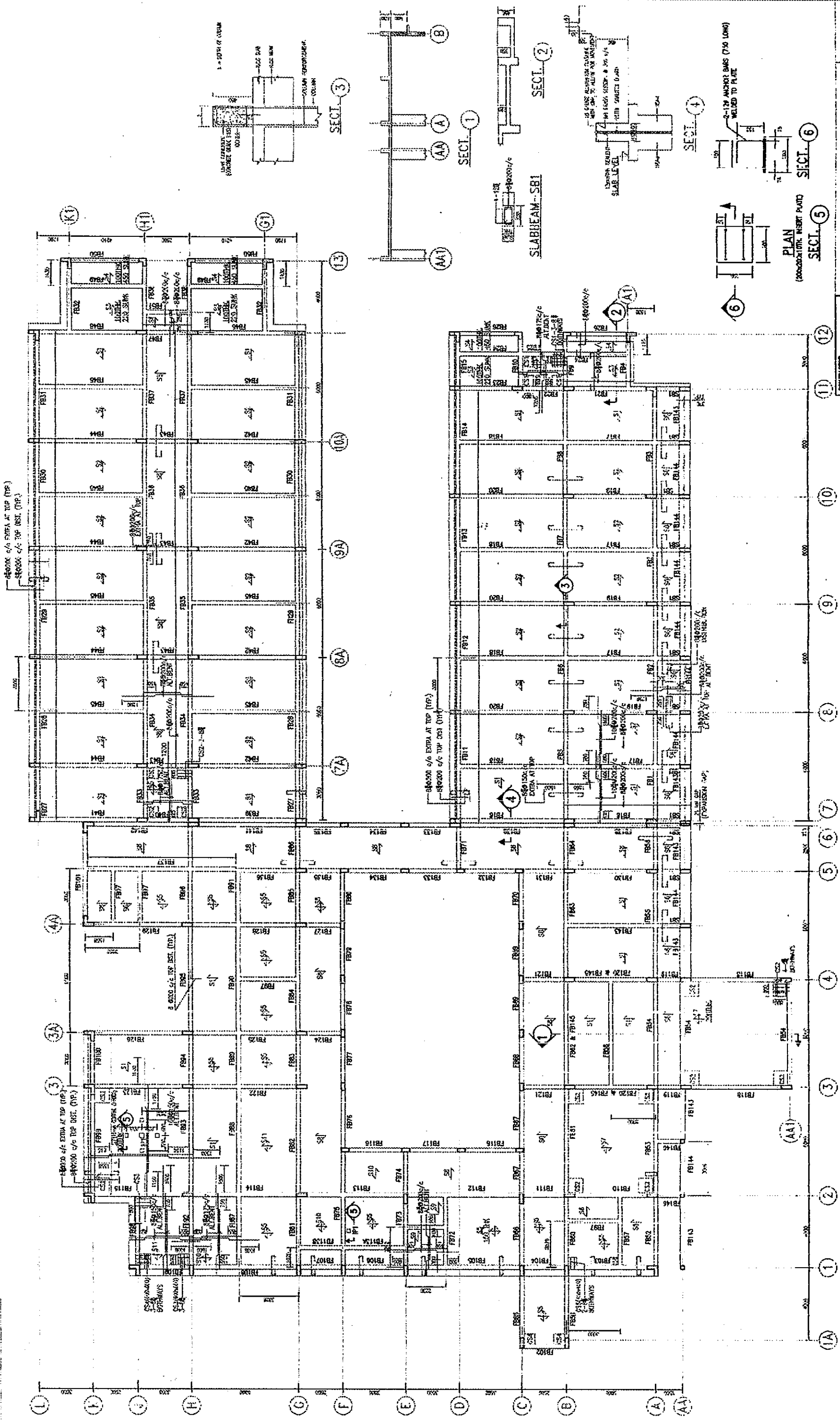
REFERENCE DRAWING:

STRUCTURAL LAYOUT AT LINTEL LEVEL (+102.700)



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0114138-CCA-04



STRUCTURAL LAYOUT AT FIRST FLOOR SLAB  
(ALL SLABS ARE 125THK. UNLESS OTHERWISE SPECIFIED)

CONTRACTOR  
**MITSUJI KENSETSU  
INDIA LIMITED**  
A-1/2A, SARFANGI BLDG.,  
NEW DELHI-110028, INDIA

AS-BUILT DRAWING

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT  
EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA

- NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
  2. FOR ALL SECTION NOTES REFER DRAWING SHEET 0114138-CCA-01.
  3. ALL CONCRETE GRADES SHALL BE M20, M30, M40, M50, M60, M70, M80, M90, M100, M110, M120, M130, M140, M150, M160, M170, M180, M190, M200, M210, M220, M230, M240, M250, M260, M270, M280, M290, M300, M310, M320, M330, M340, M350, M360, M370, M380, M390, M400, M410, M420, M430, M440, M450, M460, M470, M480, M490, M500, M510, M520, M530, M540, M550, M560, M570, M580, M590, M600, M610, M620, M630, M640, M650, M660, M670, M680, M690, M700, M710, M720, M730, M740, M750, M760, M770, M780, M790, M800, M810, M820, M830, M840, M850, M860, M870, M880, M890, M900, M910, M920, M930, M940, M950, M960, M970, M980, M990, M1000.
  4. FOR ALL BEAM DETAILS REFER DWS. NO. CCA-17.

AS-B-01	GROUND FLOOR PLAN	REVISION (DATE)
AS-B-02	GENERAL NOTES	
AS-B-03	TYPICAL FOUNDATION DETAILS	



STRUCT. LAYOUT & DETS. OF FIRST FLOOR SLAB  
AND BEAMS.

COMMUNITY HEALTH CENTER AT - ANUR

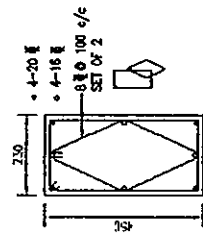
YAMASETHA SEKREI INC. - NIEUN SEKREI, INC. JAPAN

DRAIN CONSULTANTS  
DRAIN ENGINEERS LTD.  
Aurangabad - India

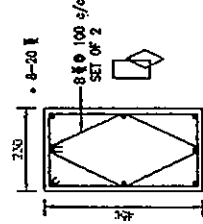
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NO.	REV.	DATE	BY	CHK.	APP.

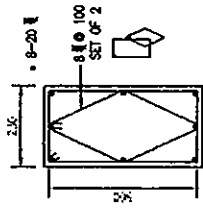
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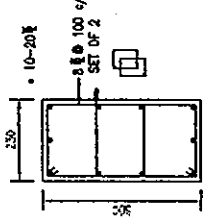
COLUMN-C2



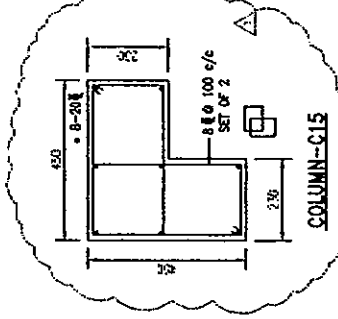
COLUMN-C9



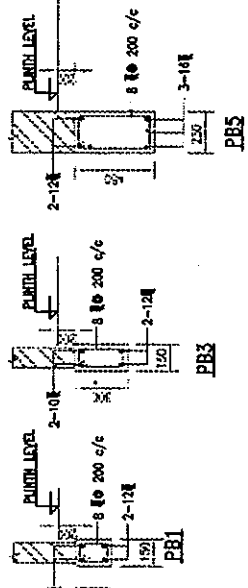
COLUMN-C6, C7, C8, C10, & C12



COLUMN-C5, C13, & C14



COLUMN-C15

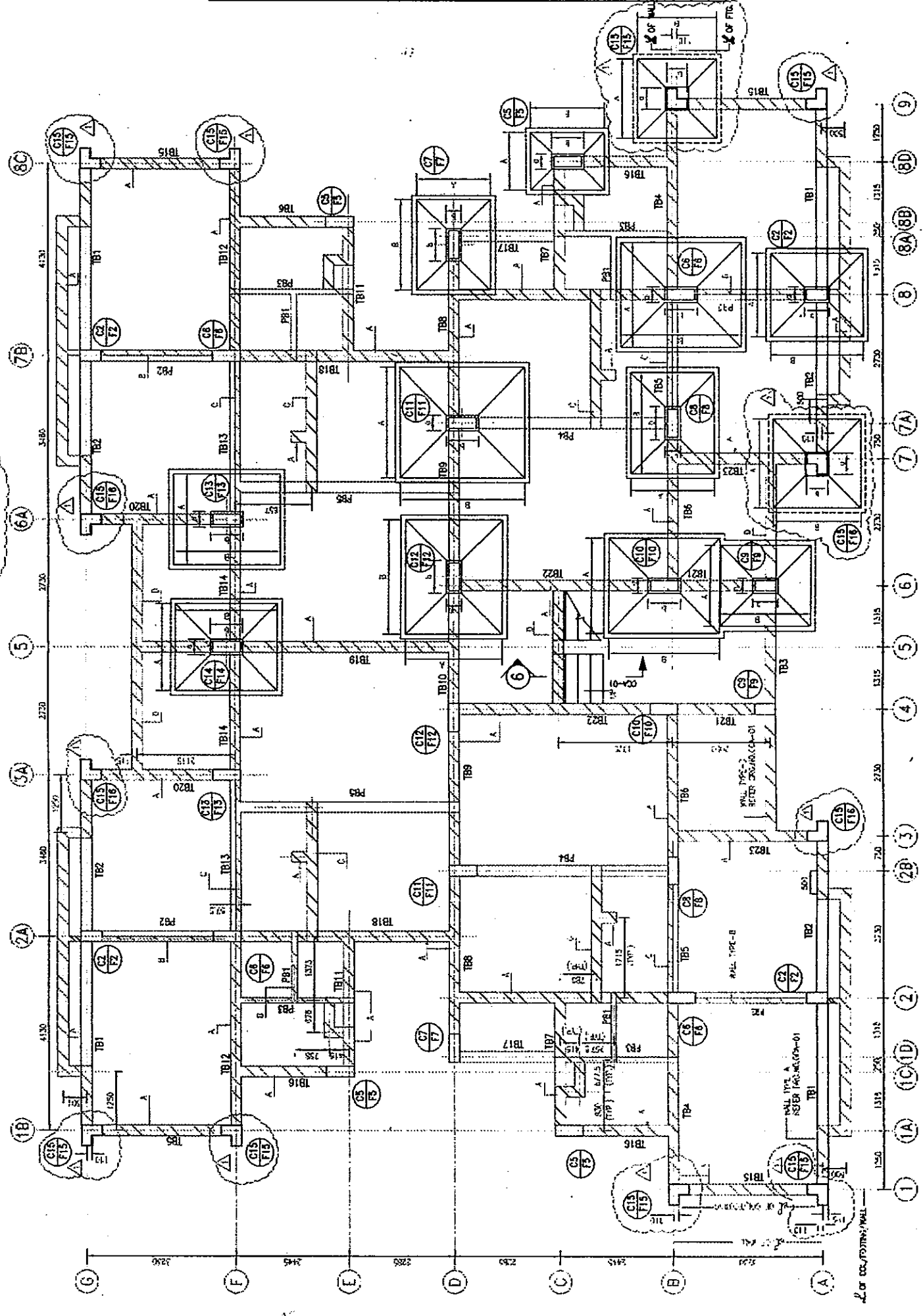


SCHEDULE OF R.C. FOOTINGS

F/C NO.	SIZE		REINFORCEMENT		REMARKS
	A	B	NO. OF BARS	SIZE	
F1	1800	2000	300	200	
F2	1500	1600	300	200	
F3	1500	1600	300	200	
F4	1500	1600	300	200	
F5	1500	1600	300	200	
F6	1500	1600	300	200	
F7	1500	1600	300	200	
F8	1500	1600	300	200	
F9	1500	1600	300	200	
F10	1500	1600	300	200	
F11	1500	1600	300	200	
F12	1500	1600	300	200	
F13	1500	1600	300	200	
F14	1500	1600	300	200	
F15	1500	1600	300	200	
F16	1500	1600	300	200	

SCHEDULE OF TIE BEAMS

BEAM MARKED	TYPE	SIZE	REINFORCEMENT				STIRRUPS	REMARKS	
			AT CENTRE	AT TOP	AT BOTTOM	AT SUPPORTS			
TB1	I	600	2	16	1	18	1	16	
TB2	I	600	2	16	1	18	1	16	
TB3	II	450	2	16	2	20	1	12	
TB4	I	600	2	16	1	18	1	16	
TB5	II	600	2	16	1	18	1	16	
TB6	I	600	2	16	1	18	1	16	
TB7	II	350	2	12	2	20	1	12	
TB8	I	600	2	16	1	18	1	16	
TB9	II	600	2	16	1	18	1	16	
TB10	II	600	2	16	1	18	1	16	
TB11	III	450	2	12	2	20	1	12	
TB12	I	600	2	16	1	18	1	16	
TB13	II	600	2	16	1	18	1	16	
TB14	II	600	2	16	1	18	1	16	
TB15	III	450	2	12	2	20	1	12	
TB16	III	450	2	12	2	20	1	12	
TB17	III	450	2	12	2	20	1	12	
TB18	III	600	2	16	1	18	1	16	
TB19	III	600	2	16	1	18	1	16	
TB20	III	600	2	16	1	18	1	16	
TB21	III	600	2	16	1	18	1	16	
TB22	III	600	2	16	1	18	1	16	
TB23	III	600	2	16	1	18	1	16	
TB24	III	600	3	16	1	18	1	16	
TB25	III	600	2	16	1	18	1	16	



FOUNDATION PLAN

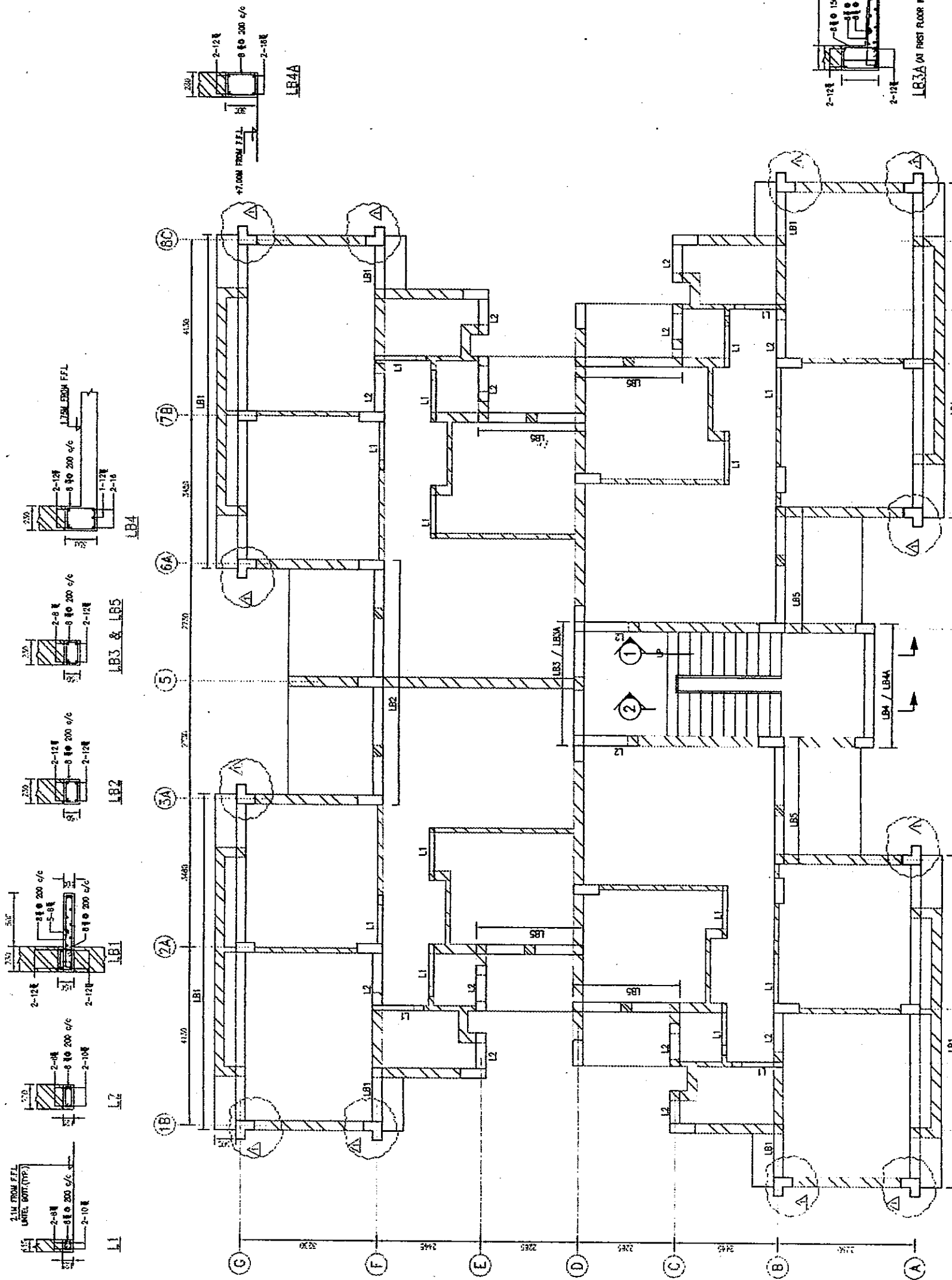
- 1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES
- 2. FOR ALL GENERAL NOTES REFER DRAWING CCA-01
- 3. ALL CONCRETE GRADE SHALL BE M20 UNLESS NOTED & VARIANTS
- 4. LOCATION OF WALLS SHALL BE DIFFERENT IN PLAN

NO.	REVISION	DATE	BY	CHK.	APP.

**AS-BUILT DRAWING** SCALE: 1:50  
**THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA**  
**STRUCTURE LAYOUT & DETAILS OF FDNs. & PLINTH BEAMS**  
 ANJAR HOSPITAL - STAFF QUARTERS-C3 CLASS (UNIT-102)  
 YAMASITA SEKKI INC.-NIHON SEKKI, INC. JAPAN  
 Delal Consultants And Engineers Ltd. Ahmedabad - India  
 0114138-CCA-05 R1



0114138-CCA-06



**AS-BUILT DRAWING** SCALE: 1:50

CONTRACTOR: MITSUBI KENSETSU INDIA LIMITED  
A-1/2A, SUPARNA ENCLAVE, NEW DELHI-110028, INDIA

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA

LAYOUT & DETAILS OF G.F. AND F.F. UNTEL LEVEL  
ANAR HOSPITAL - STAFF QUARTERS-C3 CLASS (UNITS 1 & 2)

YAMASHITA SEKKI INC. - NIBON SEKKI, INC. JAPAN  
Dalal Consultants And Engineers Ltd. Ahmedabad - India

NO.	REV.	DATE	BY	CHK.	APP.

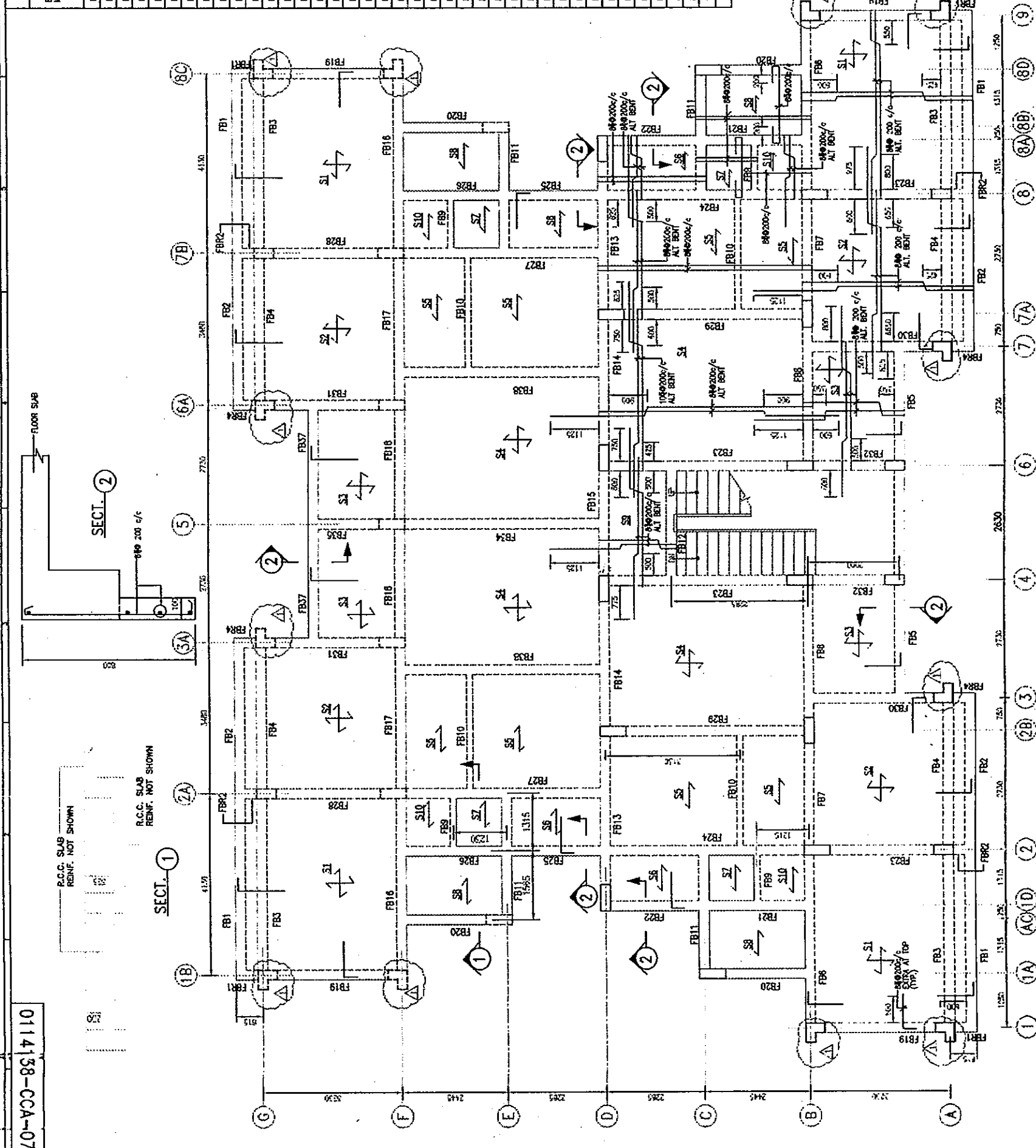
0114138-CCA-06 R1

**G.F. AND F.F. UNTEL LAYOUT** (NOTE - FIRST FLOOR IS FROM SPOT TO GRID (1) AND FOR UNIT-2 (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100) (101) (102) (103) (104) (105) (106) (107) (108) (109) (110) (111) (112) (113) (114) (115) (116) (117) (118) (119) (120) (121) (122) (123) (124) (125) (126) (127) (128) (129) (130) (131) (132) (133) (134) (135) (136) (137) (138) (139) (140) (141) (142) (143) (144) (145) (146) (147) (148) (149) (150) (151) (152) (153) (154) (155) (156) (157) (158) (159) (160) (161) (162) (163) (164) (165) (166) (167) (168) (169) (170) (171) (172) (173) 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NOTES:  
 1. ALL DIMENSIONS ARE IN METERS AND LEVELS ARE IN METERS.  
 2. FOR GENERAL NOTES REFER TO DRAWING NO. GA-01.  
 3. ALL CONCRETE SHALL BE M20 GRADE UNLESS NOTED OTHERWISE.  
 4. PROVIDE CONTINUOUS R.C.C. BAND ON ALL WALL AT UNTEL LEVEL AND CONNECTED WITH UNTELS OVER OPENING AS SHOWN.

NO.	REV.	DATE	BY	CHK.	APP.

0114138-CCA-07



### SCHEDULE OF BEAMS.

BEAM MARKED	TYPE	SIZE	AT CENTRE				AT SUPPORTS				REMARKS
			NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
FB1	V	230 x 350	3	12	3	12	3	12	3	12	175 e/c
FB2	V	230 x 350	3	12	3	12	3	12	3	12	200 e/c
FB3	I	230 x 350	3	12	3	12	3	12	3	12	200 e/c
FB4	I	230 x 350	3	12	3	12	3	12	3	12	200 e/c
FB5	II	230 x 350	2	12	2	12	2	12	2	12	175 e/c
FB6	I	230 x 450	2	12	2	12	2	12	2	12	110 e/c
FB7	I	230 x 450	2	12	2	12	2	12	2	12	170 e/c
FB8	I	230 x 450	2	12	2	12	2	12	2	12	110 e/c
FB9	II	150 x 450	2	12	2	12	2	12	2	12	200 e/c
FB10	II	150 x 350	2	12	2	12	2	12	2	12	200 e/c
FB11	II	230 x 450	3	12	3	12	3	12	3	12	140 e/c
FB12	II	230 x 350	3	12	3	12	3	12	3	12	150 e/c
FB13	I	230 x 575	2	16	2	16	2	16	2	16	125 e/c
FB14	II	230 x 575	2	20	2	20	2	20	2	20	115 e/c
FB15	I	230 x 575	2	20	2	20	2	20	2	20	115 e/c
FB16	I	230 x 450	2	12	2	12	2	12	2	12	110 e/c
FB17	II	230 x 450	2	12	2	12	2	12	2	12	100 e/c
FB18	II	230 x 450	2	12	2	12	2	12	2	12	135 e/c
FB19	V	230 x 450	2	12	2	12	2	12	2	12	130 e/c
FB20	II	230 x 450	2	12	2	12	2	12	2	12	170 e/c
FB21	V	230 x 450	2	12	2	12	2	12	2	12	200 e/c
FB22	I	230 x 450	2	12	2	12	2	12	2	12	200 e/c
FB23	V	230 x 450	3	12	3	12	3	12	3	12	110 e/c
FB24	I	230 x 450	3	12	3	12	3	12	3	12	150 e/c
FB25	I	230 x 450	3	12	3	12	3	12	3	12	150 e/c
FB26	V	230 x 450	3	12	3	12	3	12	3	12	125 e/c
FB27	I	230 x 450	2	12	2	12	2	12	2	12	100 e/c
FB28	I	230 x 450	2	12	2	12	2	12	2	12	100 e/c
FB29	I	230 x 450	2	12	2	12	2	12	2	12	125 e/c
FB30	V	230 x 450	2	12	2	12	2	12	2	12	140 e/c
FB31	I	230 x 450	3	12	3	12	3	12	3	12	150 e/c
FB32	I	230 x 575	3	16	3	16	3	16	3	16	115 e/c
FB33	I	230 x 575	3	16	3	16	3	16	3	16	125 e/c

**CONTRACTOR**  
MITSUBI KENSETSU  
INDIA LIMITED  
A-1/7A, SARAJAHN ENCLAVE,  
NEW DELHI-110028, INDIA

**AS-BUILT DRAWING**  
SCALE: 1:50  
THE RECONSTRUCTION SUPPORT FOR THE GUJARAT  
EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA  
**LAYOUT & R.C.C. DETAILS OF FIRST FLOOR LEVEL**  
ANJAR HOSPITAL - STAFF QUARTERS-C3 CLASS (UNIT 1 & 2)  
YAMASHITA SEKKI INC.-NIHON SEKKI, INC.  
Dalia Consultants  
And Engineers Ltd.  
Ahmedabad - India  
JAPAN  
0114138-CCA-07  
R1

**NOTES:**

- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METRES
- FOR ALL GENERAL NOTES REFER DRAWING PSM-01
- CONCRETE GRADE SHALL BE M20 FOR ALL BEAMS AND SLABS ETC. UNLESS NOTED OTHERWISE

**REVISIONS:**

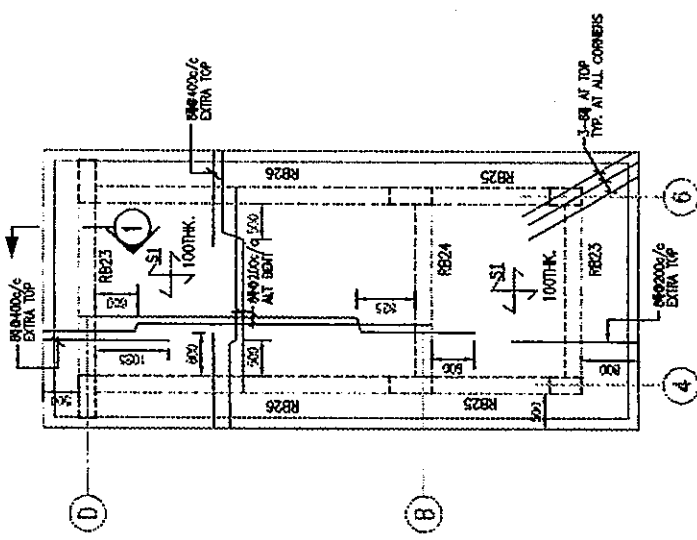
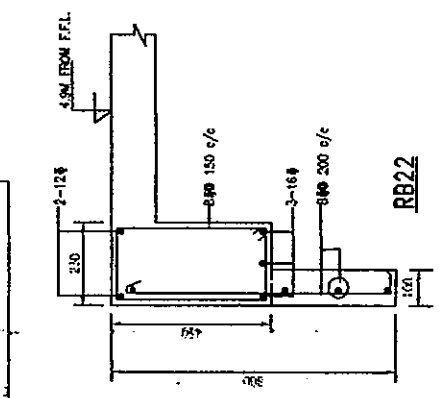
NO.	DATE	BY	CHK.	REVISION
01				ISSUED FOR CONSTRUCTION
02				REVISION AS SUPPLIED

**GENERAL NOTES:**

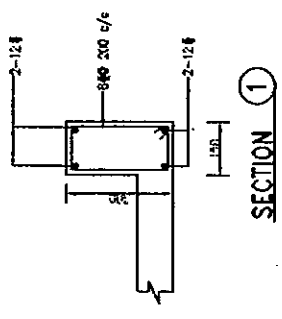
- SECTION & DIMENSIONS-C3 CLASS (UNIT-1 & UNIT-2)
- REINFORCEMENT-C3 CLASS (UNIT-1 & UNIT-2)
- FIRST FLOOR PLAN-C3 CLASS (UNIT-2)
- GENERAL FLOOR PLAN-C3 CLASS (UNIT-1 & UNIT-2)

01-01 GENERAL NOTES  
02-01 TYPICAL FOUNDATION DETAILS

0114138-8E11

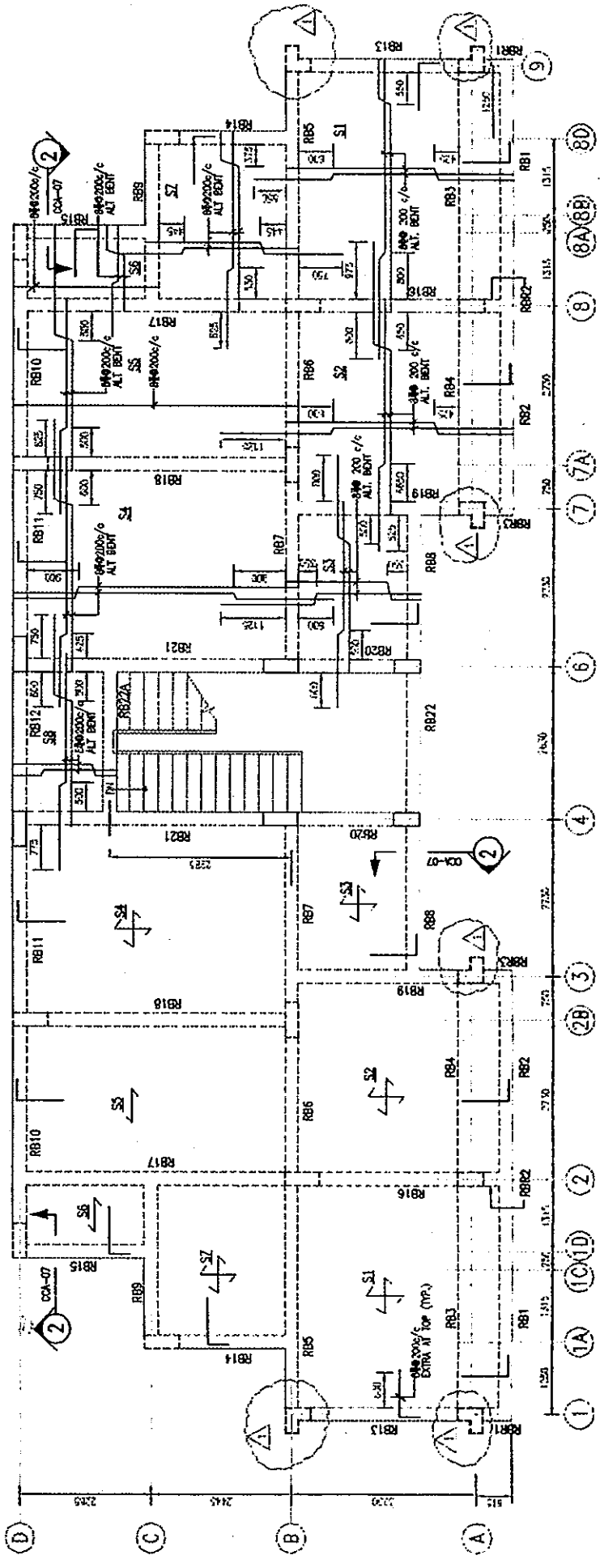


STAIR CABIN TOP SLAB



SCHEDULE OF BEAMS.

BEAM MARKED	TYPE	SIZE	REINFORCEMENT AT CENTRE						REINFORCEMENT AT SUPPORTS						REMARKS
			BOTTOM, BP		TOP		TR		BS		R2		R2		
			NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.		
RB1	W	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 200 c/c
RB2	W	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 200 c/c
RB3	I	230 x 350	2	12	2	12	2	16	2	16	1	12	1	12	● 200 c/c
RB4	I	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 200 c/c
RB5	I	230 x 350	2	12	2	12	2	16	2	16	1	12	1	12	● 130 c/c
RB6	W	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 175 c/c
RB7	I	230 x 350	2	12	2	12	2	16	2	16	1	12	1	12	● 120 c/c
RB8	W	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 200 c/c
RB9	W	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 175 c/c
RB10	I	230 x 350	2	12	2	12	2	16	2	16	2	16	2	16	● 120 c/c
RB11	W	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 150 c/c
RB12	I	230 x 350	2	12	2	12	2	16	2	16	2	16	2	16	● 150 c/c
RB13	V	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 200 c/c
RB14	W	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 200 c/c
RB15	V	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 200 c/c
RB16	V	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 160 c/c
RB17	W	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 150 c/c
RB18	W	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 120 c/c
RB19	V	230 x 350	2	12	2	12	-	-	-	-	-	-	-	-	● 180 c/c
RB20	I	230 x 350	2	12	2	12	2	16	2	16	2	16	2	16	● 115 c/c
RB21	I	230 x 350	2	12	2	12	2	16	2	16	2	16	2	16	● 200 c/c
RB22	I	230 x 350	2	12	2	12	2	16	2	16	2	16	2	16	● 200 c/c
RB23	I	230 x 350	2	12	2	12	2	16	2	16	2	16	2	16	● 200 c/c
RB24	I	230 x 350	2	12	2	12	2	16	2	16	2	16	2	16	● 200 c/c
RB25	I	230 x 350	2	12	2	12	2	16	2	16	2	16	2	16	● 200 c/c
RB26	I	230 x 350	2	12	2	12	2	16	2	16	2	16	2	16	● 150 c/c
RB27	I	230 x 350	2	12	2	12	2	16	2	16	2	16	2	16	● 150 c/c



LAYOUT OF BEAMS AT ROOF SLAB LEVEL

ALL SLABS ARE 125MM. UNLESS NOTED OTHERWISE  
SLAB TOP LEVEL (FINISHED) IS 8.3M FROM F.F.L.

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
  2. FOR ALL DIMENSION NOTES REFER DRAWING DWA-01.
  3. DIMENSION GRADE SHALL BE MARKED FOR ALL BEAMS AND SLABS ETC. WORKING WITH A REPORT.

REV	DATE	DESCRIPTION
01	15/08/2011	ISSUED FOR CONSTRUCTION
02	15/08/2011	ISSUED FOR CONSTRUCTION
03	15/08/2011	ISSUED FOR CONSTRUCTION
04	15/08/2011	ISSUED FOR CONSTRUCTION
05	15/08/2011	ISSUED FOR CONSTRUCTION
06	15/08/2011	ISSUED FOR CONSTRUCTION
07	15/08/2011	ISSUED FOR CONSTRUCTION
08	15/08/2011	ISSUED FOR CONSTRUCTION
09	15/08/2011	ISSUED FOR CONSTRUCTION
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12	15/08/2011	ISSUED FOR CONSTRUCTION
13	15/08/2011	ISSUED FOR CONSTRUCTION
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28	15/08/2011	ISSUED FOR CONSTRUCTION
29	15/08/2011	ISSUED FOR CONSTRUCTION
30	15/08/2011	ISSUED FOR CONSTRUCTION

**AS-BUILT DRAWING** SCALE: 1:50

CONTRACTOR: MITSUBI KENETSU INDIA LIMITED  
 4-1/2A, SARVODAYA ENCLAVE, NEW DELHI-110028, INDIA

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA

LAYOUT & R.C.C. DETAILS OF BEAM & SLABS AT ROOF LEVEL  
 ANJUR HOSPITAL - STAFF QUARTERS-03 CLASS (UNIT 2)

YAMASEITA SEKKI INC. - NEHON SEKKI, INC. JAPAN  
 Delal Consultants And Engineers Ltd. Ahmedabad - India

0114138-CCA-08 R1

0114138-CCA-09

**SCHEDULE OF PLINTH BEAMS**

BEAM MARKED	TYPE	REINFORCEMENT										REMARKS				
		AT CENTRE					AT SUPPORTS									
		b	d	NOS.	Ø	NOS.	Ø	NOS.	Ø	T1	T2		STIRRUPS	SPACING		
TB1	■	250	400	3	12	-	-	2	16	-	-	2	16	-	-	● 150c/c
TB2	■	230	450	3	12	-	-	3	12	-	-	-	-	-	-	
TB3	■	250	400	3	12	-	-	2	16	-	-	2	16	-	-	
TB4	■	230	450	3	12	-	-	2	16	-	-	3	20	-	-	
TB5	■	230	450	3	12	-	-	2	16	-	-	3	20	-	-	
TB6	■	230	450	3	12	-	-	3	12	-	-	2	16	-	-	
TB7	■	230	450	3	12	-	-	3	12	-	-	3	16	-	-	
TB8	■	230	350	3	12	-	-	3	12	-	-	-	-	-	-	
TB9	■	230	350	3	12	-	-	3	12	-	-	3	12	-	-	
TB10	■	230	450	3	12	-	-	2	16	-	-	2	16	-	-	
TB11	■	230	450	3	12	-	-	2	16	-	-	2	16	-	-	
TB12	■	230	450	3	12	-	-	2	16	-	-	2	16	-	-	
TB13	■	230	450	3	12	-	-	3	12	-	-	3	12	-	-	
TB14	■	230	600	3	12	-	-	3	12	-	-	3	12	-	-	
PB1	■	115	230	2	12	-	-	2	12	-	-	2	12	-	-	
PB2	■	115	230	2	12	-	-	2	12	-	-	2	12	-	-	

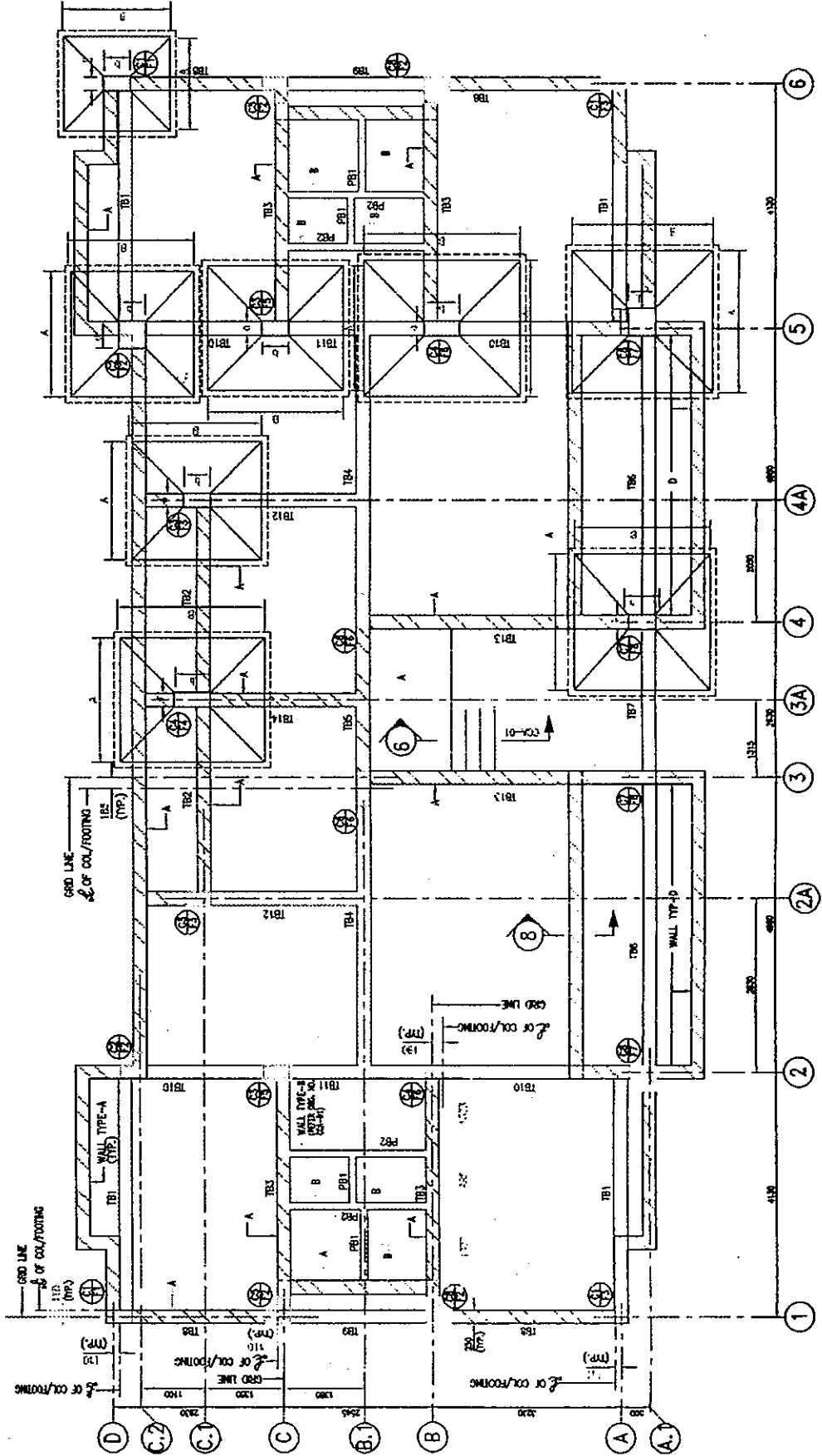
**SCHEDULE OF COLUMN FOOTINGS**

FIG. MKD.	R.C.C. FOOTINGS					REINFORCEMENT					REMARKS
	A	B	D	Ø	NOS.	A	B	D	Ø	NOS.	
F1	2100	1820	400	200	10	10	10	10	10	10	FOR STANDARD CROSS SECTION OF FOOTINGS. EXPLANATION FOR DIA. ØC SEE DRAWING.
F2	2100	2100	350	200	10	10	10	10	10	10	
F3	2000	2220	350	200	12	10	11	10	11	10	
F4	2100	2470	350	200	15	10	11	10	11	10	
F5	2100	2320	350	200	15	10	10	10	15	10	
F6	2300	2670	350	200	16	10	14	10	16	10	
F7	2400	2400	350	200	12	10	12	10	12	10	
F8	2300	2520	350	200	14	10	12	10	14	10	

**SCHEDULE OF R.C.C. COLUMNS**

COLUMN MKD.	SIZE		HGT. REFT. FRS.	NO. OF SPACINGS	REMARKS
	a	b			
C1	250	450	8	16	
C2	450	450	12	16	
C3	250	450	10	20	
C4	250	500	12	20	
C5	450	450	10	20	
C6	250	500	10	20	
C7	250	450	12	20	
C8	450	450	14	20	

NOTE:  
 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.  
 2. ALL DIMENSIONS SHALL BE IN METRES.  
 3. ALL DIMENSIONS SHALL BE AS SHOWN UNLESS OTHERWISE SPECIFIED.  
 4. ALL DIMENSIONS SHALL BE AS SHOWN UNLESS OTHERWISE SPECIFIED.



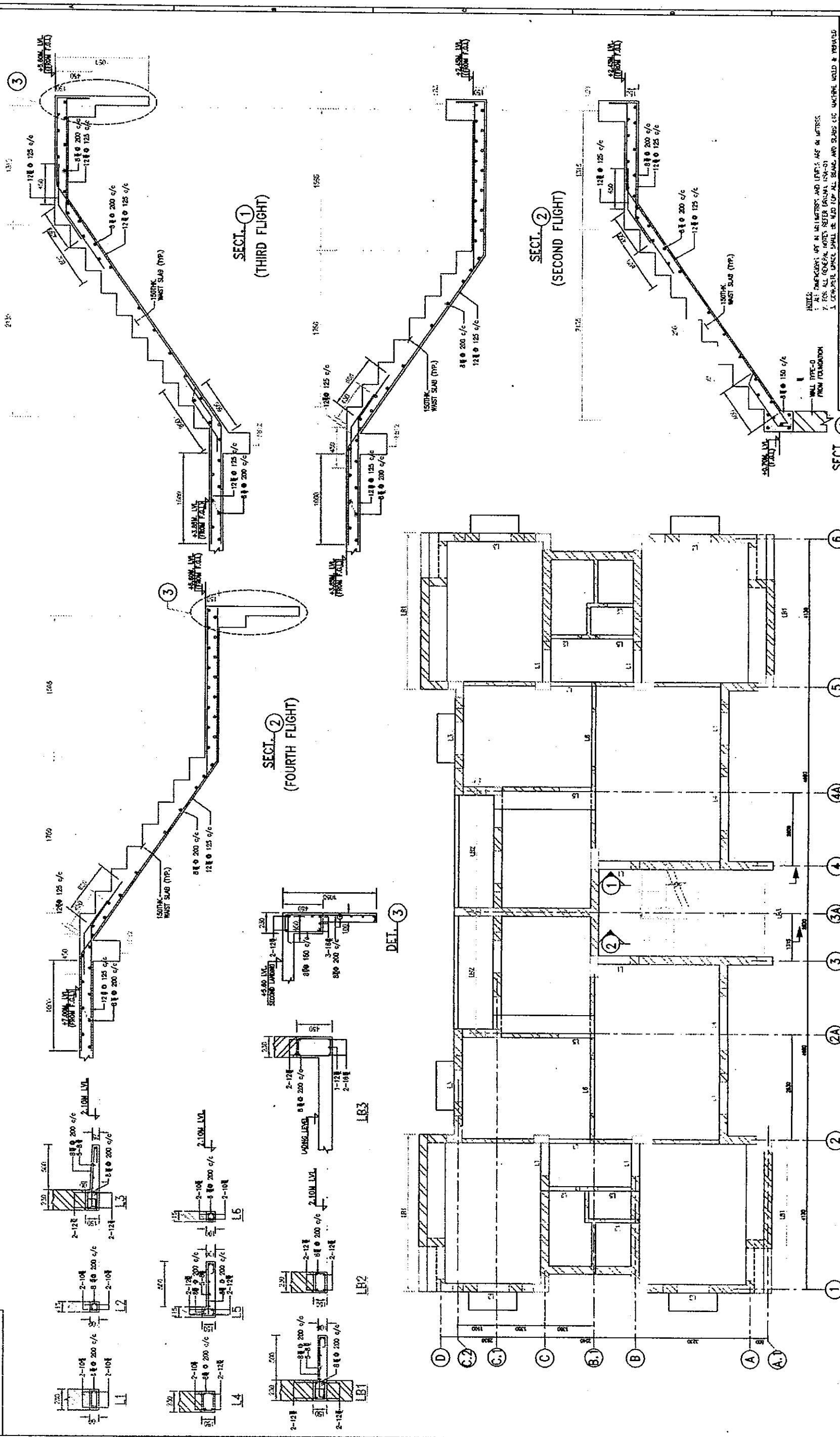
**FOUNDATION PLAN**

<b>CONTRACTOR</b> MITSUBI KENSETSU INDIA LIMITED 11/7, RAJAWADI ROAD, DELHI, NEW DELHI-110002, INDIA		<b>AS-BUILT DRAWING</b>		SCALE: 1:50
		THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA		
		LAYOUT & DETAILS OF FOUNDATION AMAR HOSPITAL-STAFF QUARTERS C1 CLASS (UNIT-1 & 2)		
		YAMASHITA SEKKI INC., NIBON SEKKI, INC.		JAPAN
		Dajaj Consultants And Engineers Ltd. Ahmedabad - India		0114138-CCA-09
				RO



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01-14138-CCA-10



**AS-BUILT DRAWING**

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA  
 LAYOUT & STRUCTURAL DETAILS AT LINTEL LEVEL  
 ANJAL HOSPITAL-STAFF QUARTERS C1 CLASS (UNIT-1 & 2)

CONTRACTOR: MITSUBI KENSETSU INDIA LIMITED  
 AS/72A, SARDARSAHIBU DRUMIC, NEW DELHI-110028, INDIA

SCALE: 1:50

REVISIONS:

NO.	DATE	BY	CHK.	REASON

DATE: 15/05/2012

PROJECT: ANJAL HOSPITAL-STAFF QUARTERS C1 CLASS (UNIT-1 & 2)

CLIENT: YAMASHITA SEIKKI INC.-NIHON SEIKKI, INC. JAPAN

CONSULTANT: Dalal Consultants And Engineers Ltd. Ahmedabad - INDIA

DWG NO: 0114138-CCA-10

REV: R1

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE AS NOTED.
2. FOR ALL GENERAL NOTES REFER IS:8003 (PART-1) & IS:8003 (PART-2).
3. COMPLETE WORK SHALL BE DONE FOR ALL BEAMS AND SLABS AND WALLS WITH WELDED REINFORCEMENT.

PLAN AT LINTEL LEVEL

GRID SYSTEM: 1-6 (Horizontal), A-D (Vertical)

REVISIONS:

NO.	DATE	BY	CHK.	REASON

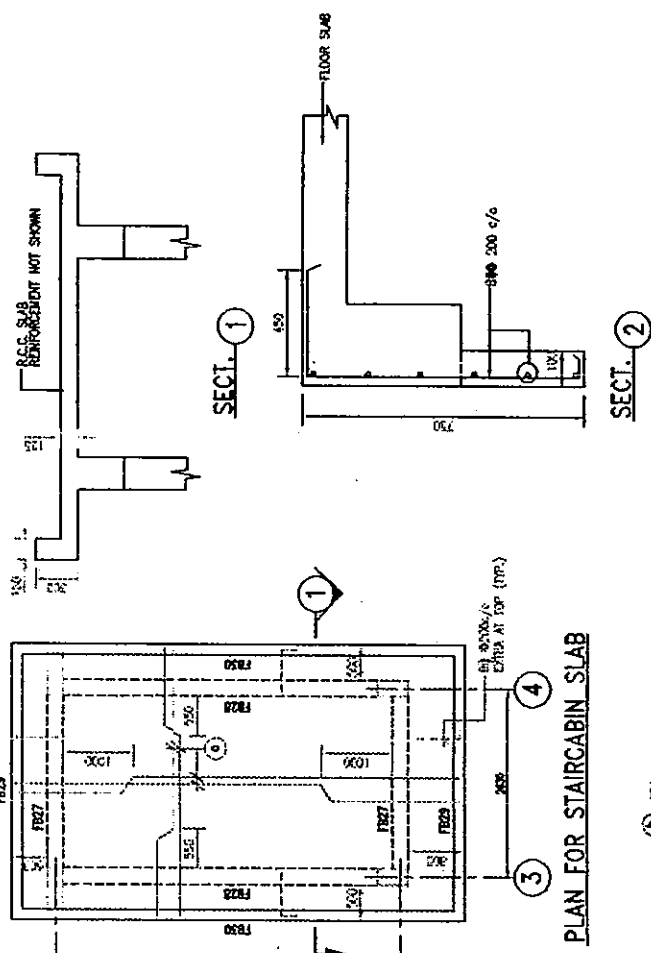
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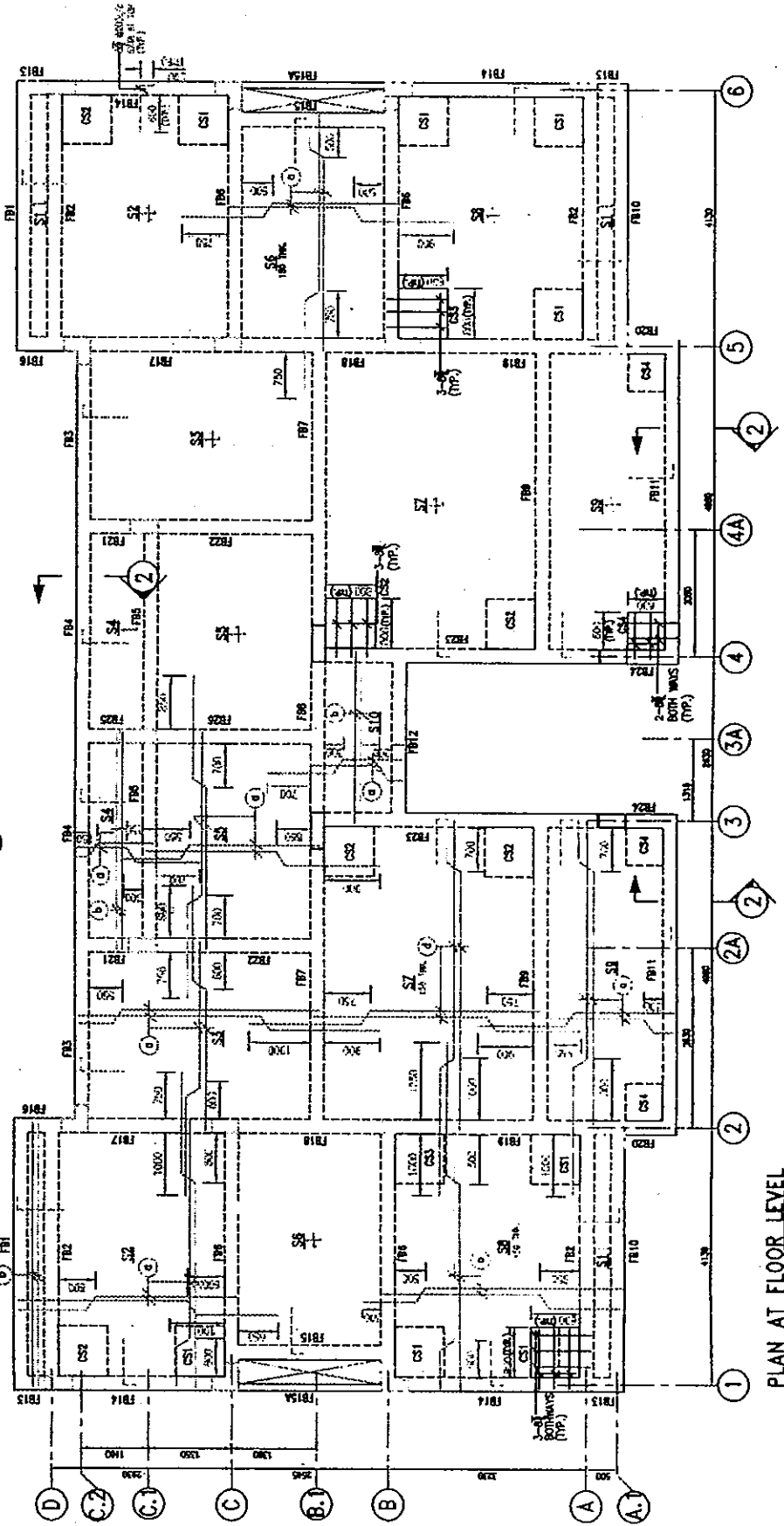
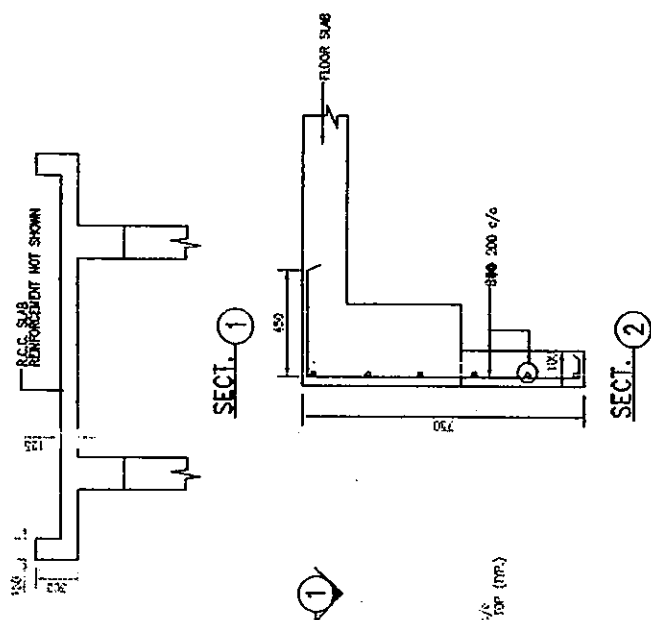
0114138-CCA-12

**SCHEDULE FOR SLAB REINFORCEMENT**

BAR MARKED	REINFORCEMENT	REMARK
①	200 c/c AT BENT UP	
②	200 c/c INST.	
③	200 c/c AT BENT BACK	
④	200 c/c AT BENT UP	



PLAN FOR STAIRCABIN SLAB



PLAN AT FLOOR LEVEL

**SCHEDULE OF BEAMS.**

BEAM MARKED	TYPE	SIZE	REINFORCEMENT												REMARKS		
			AT CENTRE		AT SUPPORTS		STIRRUPS		AT CENTRE		AT SUPPORTS		STIRRUPS				
			NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE			
FB1	II	350 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB2	II	450 x 150	3	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB3	II	350 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB4	VI	350 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB5	I	350 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB6	II	450 x 150	3	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB7	II	600 x 200	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB8	II	600 x 200	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB9	II	600 x 200	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB10	II	450 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB11	II	450 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB12	II	350 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB13	IV	350 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB14	IV	350 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB15A	II	800 x 200	2	12	2	12	2	12	2	12	2	12	2	12	2	12	2000/c
FB15	II	350 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB16	IV	350 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB17	V	450 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB18	II	600 x 200	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB19	V	600 x 200	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1000/c
FB20	IV	450 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB21	IV	450 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB22	V	600 x 200	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB23	V	600 x 200	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB24	IV	450 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB25	IV	450 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB26	V	450 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB27	II	350 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB28	II	450 x 150	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB29	II	150 x 300	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c
FB30	II	150 x 300	2	12	2	12	2	12	2	12	2	12	2	12	2	12	1500/c

\* FOR BEAM TYPE I, II, III, IV, V, VI & VII REFER DRG. NO. CCA-01

NOTES:  
 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.  
 2. FOR ALL OTHERS REFER DRG. NO. CCA-01.  
 3. CONCRETE GRADE SHALL BE M20 FOR ALL BEAMS AND SLABS ETC. UNLESS OTHERWISE SPECIFIED.

**AS-BUILT DRAWING**

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA

ANJAR HOSPITAL-STAFF QUARTERS C1 CLASS (UNIT-1 & 2)

0114138-CCA-12

CONTRACTOR: MITSUBI KENSETSU INDIA LIMITED

DESIGNER: Yamashita Seisaku Inc., Nihon Seisaku, Inc.

SCALE: 1:50

DATE: 12/03/03

PROJECT NO: 0114138-CCA-12

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

APPROVED FOR CONSTRUCTION:

DATE: 12/03/03

BY: [Signature]

PROJECT NO: 0114138-CCA-12

REVISIONS:

NO. DATE DESCRIPTION

1 12/03/03

2 12/03/03

3 12/03/03

4 12/03/03

5 12/03/03

6 12/03/03

7 12/03/03

8 12/03/03

9 12/03/03

10 12/03/03

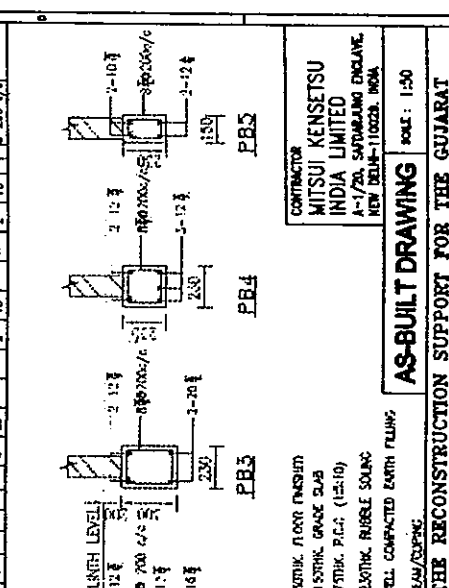
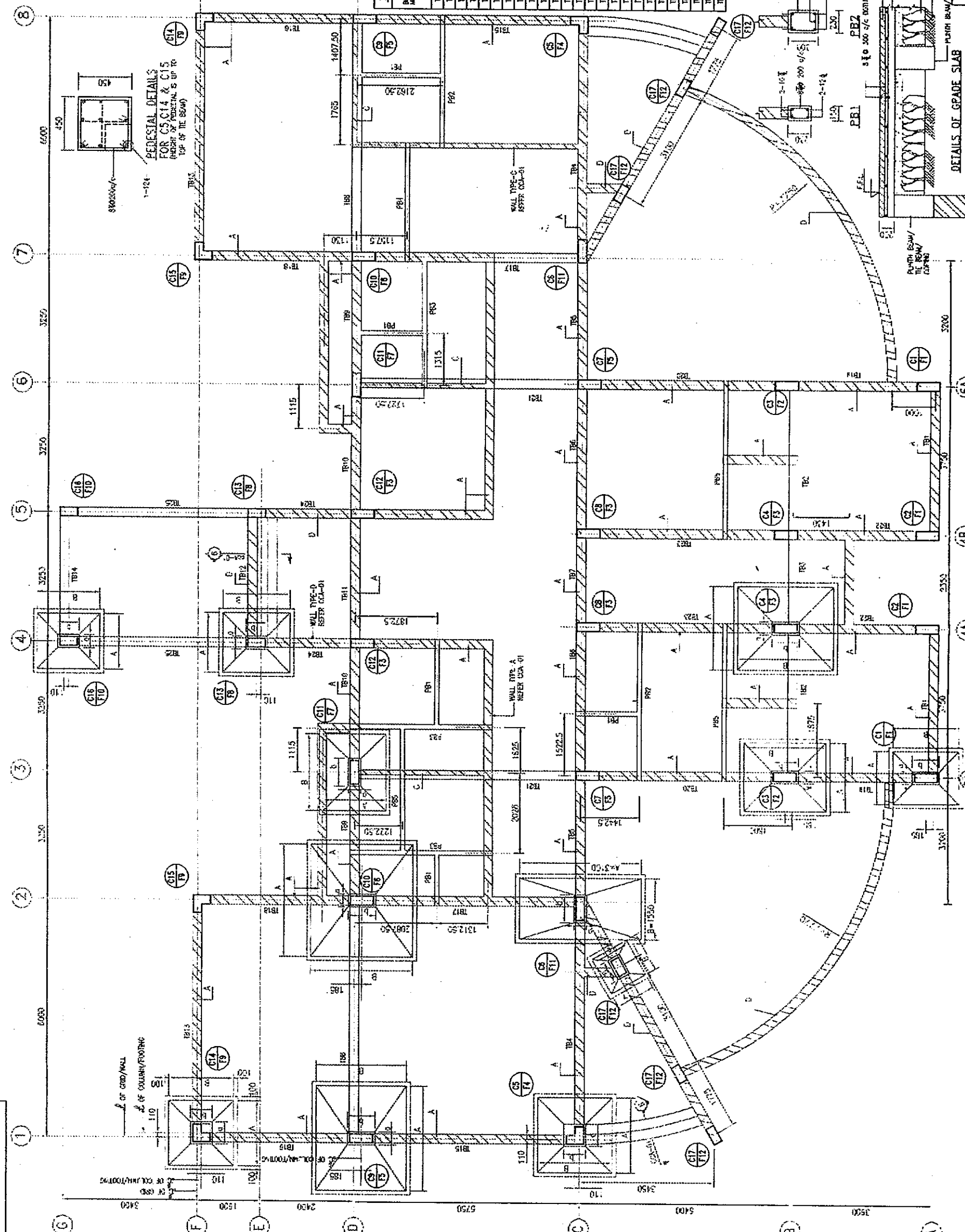
FTR. NO.	R. C. FOOTINGS				REMARKS			
	SIZE	NO.	SPACING	REMARKS	NO.	SPACING	REMARKS	NO.
F1	1500	800	2	10	8	10	10	
F2	1750	600	200	11	10	10	10	
F3	2100	600	200	13	10	12	16	
F4	1800	450	200	10	10	10	10	
F5	2200	450	200	14	10	12	10	
F6	2600	700	250	15	10	10	10	
F7	1000	400	200	10	10	10	10	
F8	1500	400	200	10	10	10	10	
F9	1650	350	200	9	10	10	10	
F10	1400	350	200	8	10	10	10	
F11	3100	600	300	11	12	14	10	
F12	1000	300	200	6	10	10	10	

SCHEDULE OF R.C. COLUMNS

COLUMN NO.	R.C. COLUMNS				REMARKS			
	SIZE	NO.	SPACING	REMARKS	NO.	SPACING	REMARKS	NO.
C1	300	600	10	8	100	1/6		
C2	300	450	8	20	8	100	1/6	
C3	300	600	10	20	8	100	1/6	
C4	300	600	12	20	8	100	1/6	
C5	300	450	8	20	8	100	1/6	
C6	300	450	8	16	8	100	1/6	

SCHEDULE OF TIE BEAMS

TIE BEAM NO.	R.C. TIE BEAMS				REMARKS				
	SIZE	NO.	SPACING	REMARKS	NO.	SPACING	REMARKS	NO.	
TB1	200	16	2	16	2	16	2	16	
TB2	200	16	2	16	2	16	2	16	
TB3	200	16	2	16	2	16	2	16	
TB4	200	16	2	16	2	16	2	16	
TB5	200	16	2	16	2	16	2	16	
TB6	200	16	2	16	2	16	2	16	
TB7	200	16	2	16	2	16	2	16	
TB8	200	16	2	16	2	16	2	16	
TB9	200	16	2	16	2	16	2	16	
TB10	200	16	2	16	2	16	2	16	
TB11	200	16	2	16	2	16	2	16	
TB12	200	16	2	16	2	16	2	16	
TB13	200	16	2	16	2	16	2	16	
TB14	200	16	2	16	2	16	2	16	
TB15	200	16	2	16	2	16	2	16	
TB16	200	16	2	16	2	16	2	16	
TB17	200	16	2	16	2	16	2	16	
TB18	200	16	2	16	2	16	2	16	
TB19	200	16	2	16	2	16	2	16	
TB20	200	16	2	16	2	16	2	16	
TB21	200	16	2	16	2	16	2	16	
TB22	200	16	2	16	2	16	2	16	
TB23	200	16	2	16	2	16	2	16	
TB24	200	16	2	16	2	16	2	16	
TB25	200	16	2	16	2	16	2	16	



**AS-BUILT DRAWING** Scale: 1:50

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA

STRUCT. LAYOUT & DETS. OF FDNS. & GRADE SLAB

MUMBARA HOSPITAL

CONTRACTOR: MITSUBI KENSETSU INDIA LIMITED  
A-1/20, SAKHARANG ENCLAVE, NEW DELHI-110028, INDIA

DATE: 15/08/2013

BY: [Signature]

CHK: [Signature]

REVISIONS:

NO.	DATE	DESCRIPTION

**NOTES:**

- ALL DIMENSIONS ARE IN METERS AND LEVELS ARE IN METERS.
- FOR ALL GENERAL NOTES REFER DRAWING DSAN-01.
- CONCRETE SHALL BE CAST FOR ALL COLUMNS AND BEAMS FOR ALL OTHER ELEMENTS LIKE PROTECTIVE BEAMS, PUNCH BEAMS, CORNER, GRADE SLAB ETC. MACHINE MIXED & VIBRATED.

REVISIONS:

NO.	DATE	DESCRIPTION

0114138-CCA-13

AS-BUILT DRAWING

DATE: 15/08/2013

BY: [Signature]

CHK: [Signature]

REVISIONS:

NO.	DATE	DESCRIPTION

0114138-CCA-13

AS-BUILT DRAWING

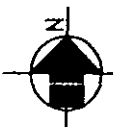
DATE: 15/08/2013

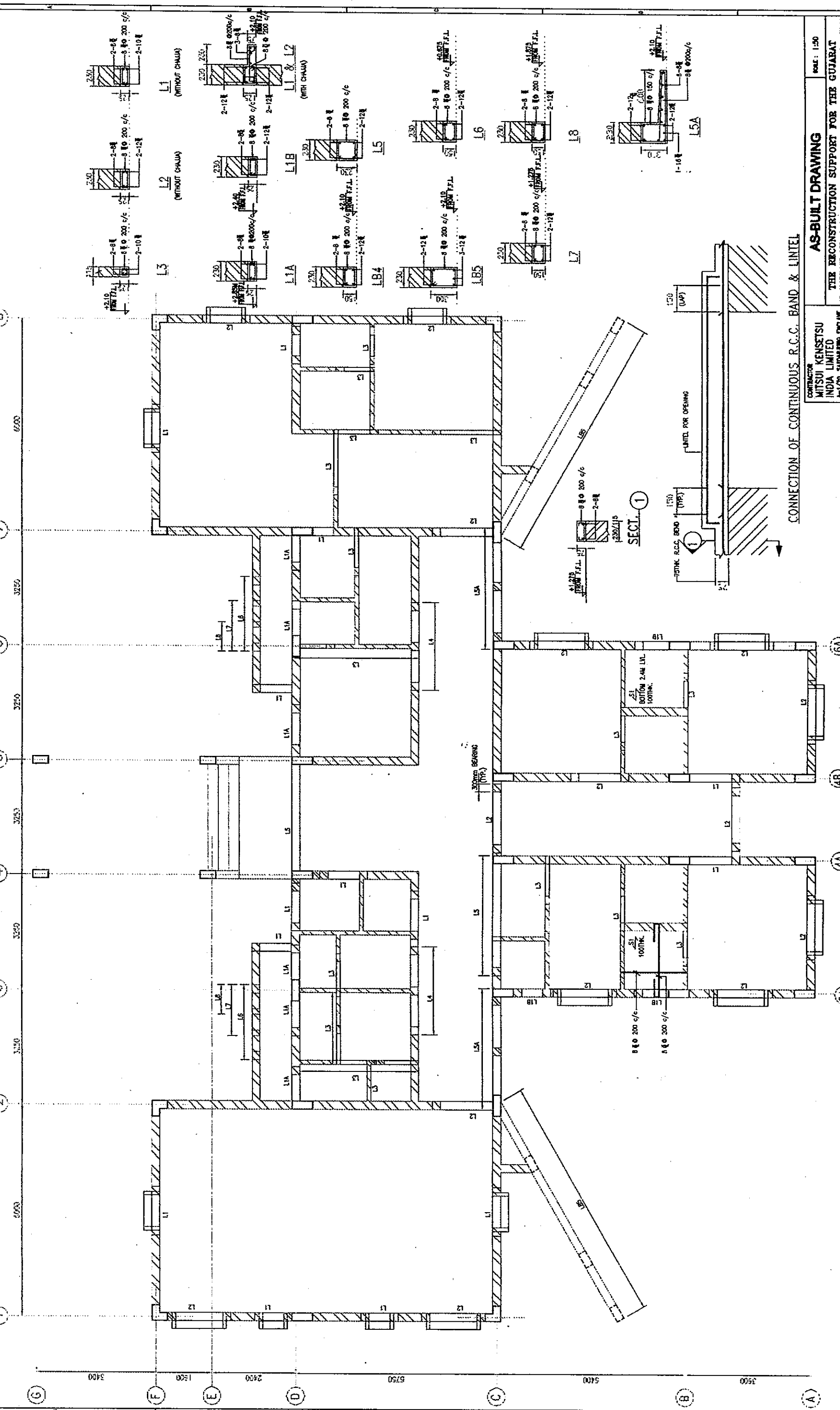
BY: [Signature]

CHK: [Signature]

REVISIONS:

NO.	DATE	DESCRIPTION





**AS-BUILT DRAWING** NO. 150

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA

**STRUCTURAL LAYOUT & DETAILS OF LINTEL**

MUNORA HOSPITAL

YAMASHITA SEKKI INC. - NIBON SEKKI, INC. JAPAN

Dadal Consultants And Engineers Ltd. Ahmedabad - India

CONTRACTOR: MITSUBI KENSETSU INDIA LIMITED  
 4/72A, SARVADAMA CHOWK, NETaji-BLDG., INDIA

DATE: 15/01/2014

BY: [Signature]

CHK: [Signature]

REVISIONS:

NO.	REVISION	DATE
1	ISSUED FOR CONSTRUCTION	15/01/2014

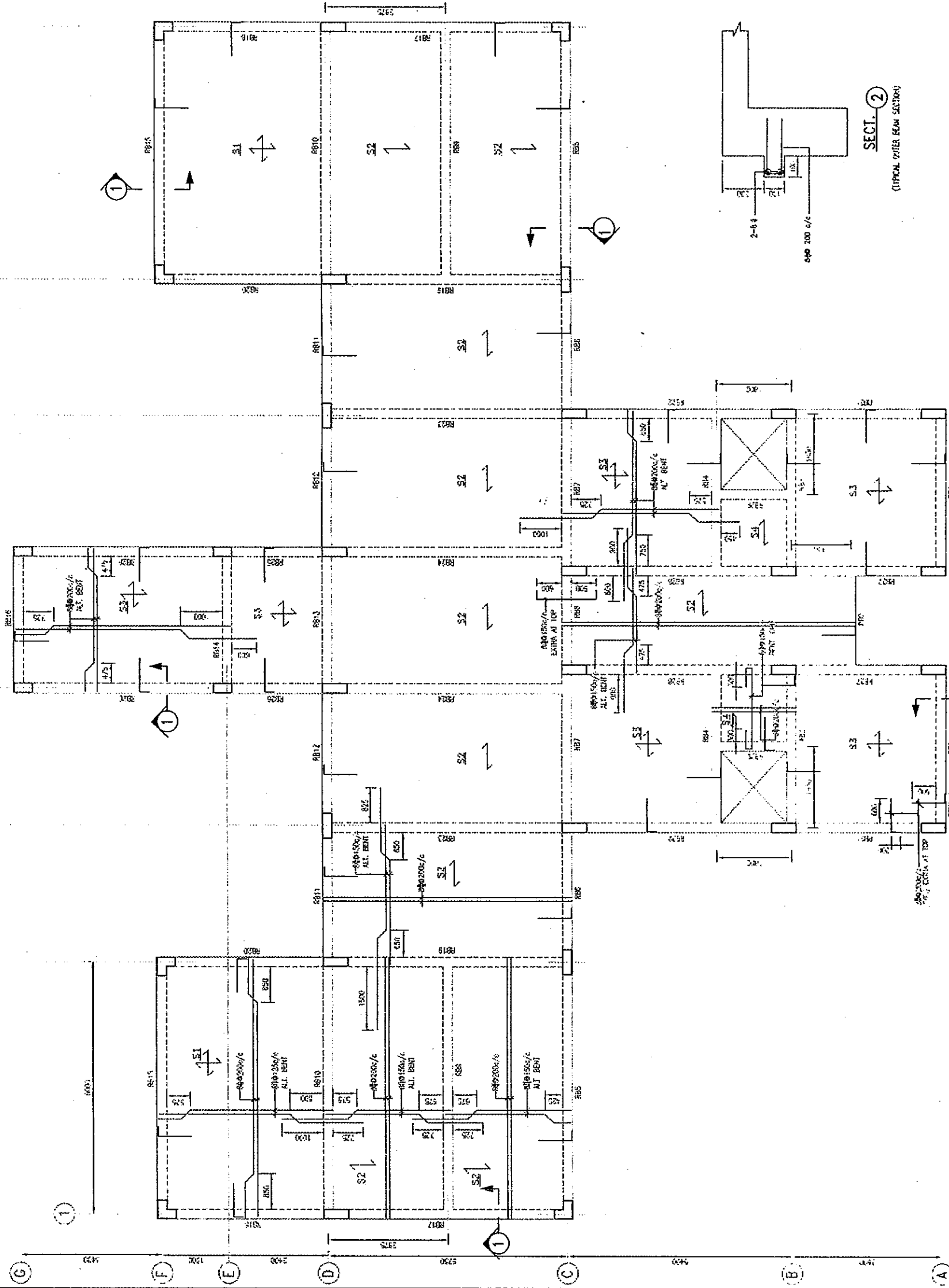
NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVEL ARE IN METRE.
- FOR ALL GENERAL NOTES REFER DRAWING GSA-01.
- CONCRETE GRADE SHALL BE M20, REINFORCEMENT SHALL BE HRB 415.
- PROVIDE CONTINUOUS R.C.C. BAND ON ALL WALL AT LINTEL LEVEL AND CONNECTED WITH LINTELS OVER OPENING AS SHOWN.

REVISION DIVISION

NO.	REVISION	DATE
GSA-01	GENERAL NOTES	15/01/2014
GSA-02	TYPICAL FOUNDATION DETAILS	15/01/2014
GSA-03	GROUND FLOOR PLAN	15/01/2014
GSA-04	SECTION	15/01/2014

0114138-CCA-15



LAYOUT OF BEAMS AT FIRST FLOOR SLAB LEVEL

ALL SLABS ARE 150MM UNLESS NOTED OTHERWISE  
SLAB TOP LEVEL (FINISHED) IS 3.75M FROM F.F.L



SECTION	DESCRIPTION
GA-002	GROUND FLOOR PLAN
GA-001	STRUCTURE LAYOUT & DETAILS OF FOUNDATION AND GROUND SLAB
CCA-13	GENERAL NOTES
CCA-01	TYPICAL FOUNDATION DETAILS
CCA-01	INTRODUCTION DRAWINGS

- NOTES**
- 1 ALL DIMENSIONS ARE IN METRES AND LEVELS ARE IN METRES
  - 2 FOR ALL GENERAL NOTES REFER TO GA-01
  - 3 CURB-WALL TOP SURFACE SHALL BE 150 mm ABOVE ALL BEAMS AND SLABS. ETC. WALLS SHALL BE 200mm THICK.

LAYOUT OF BEAMS AT ROOF SLAB LEVEL

ALL SLABS ARE 150MM UNLESS NOTED OTHERWISE  
SLAB TOP LEVEL (FINISHED) IS 3.75M FROM F.F.L

SECTION	DESCRIPTION
GA-002	GROUND FLOOR PLAN
GA-001	STRUCTURE LAYOUT & DETAILS OF FOUNDATION AND GROUND SLAB
CCA-13	GENERAL NOTES
CCA-01	TYPICAL FOUNDATION DETAILS
CCA-01	INTRODUCTION DRAWINGS

NO.	REV.	DATE	BY	CHK.	REASON

CONTRACTOR  
**MITSUJ KENSETSU  
 INDIA LIMITED**  
 4-1/2A, SATYANAGAR COLONY,  
 NEW DELHI-110028, INDIA

**AS-BUILT DRAWING**

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT  
 EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA  
**LAYOUT & R.C.C. DETAILS AT ROOF SLAB LEVEL**  
 MUMDRA HOSPITAL

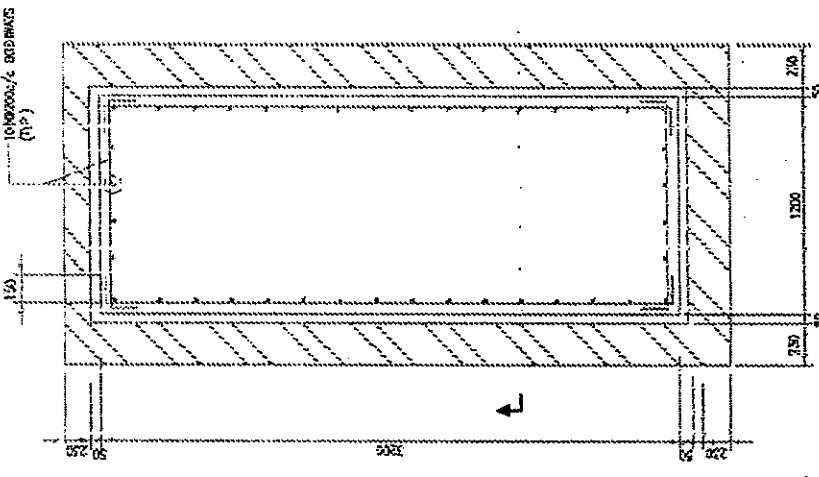
YAMASHITA SEKKI INC.-NISON SEKKI, INC. JAPAN  
**Dalal Consultants  
 And Engineers Ltd.**  
 10/11, Sector-10, Connaught Place  
 New Delhi-110028, INDIA

Scale: 1:50  
 0114138-CCA-15  
 R0

**SCHEDULE OF BEAMS**

BEAM TYPE	SIZE	AT CORNER	REINFORCEMENT AT SUPPORTS
RB1	200x250	4	4
RB2	200x250	4	4
RB3	200x250	4	4
RB4	200x250	4	4
RB5	200x250	4	4
RB6	200x250	4	4
RB7	200x250	4	4
RB8	200x250	4	4
RB9	200x250	4	4
RB10	200x250	4	4
RB11	200x250	4	4
RB12	200x250	4	4
RB13	200x250	4	4
RB14	200x250	4	4
RB15	200x250	4	4
RB16	200x250	4	4
RB17	200x250	4	4
RB18	200x250	4	4
RB19	200x250	4	4
RB20	200x250	4	4

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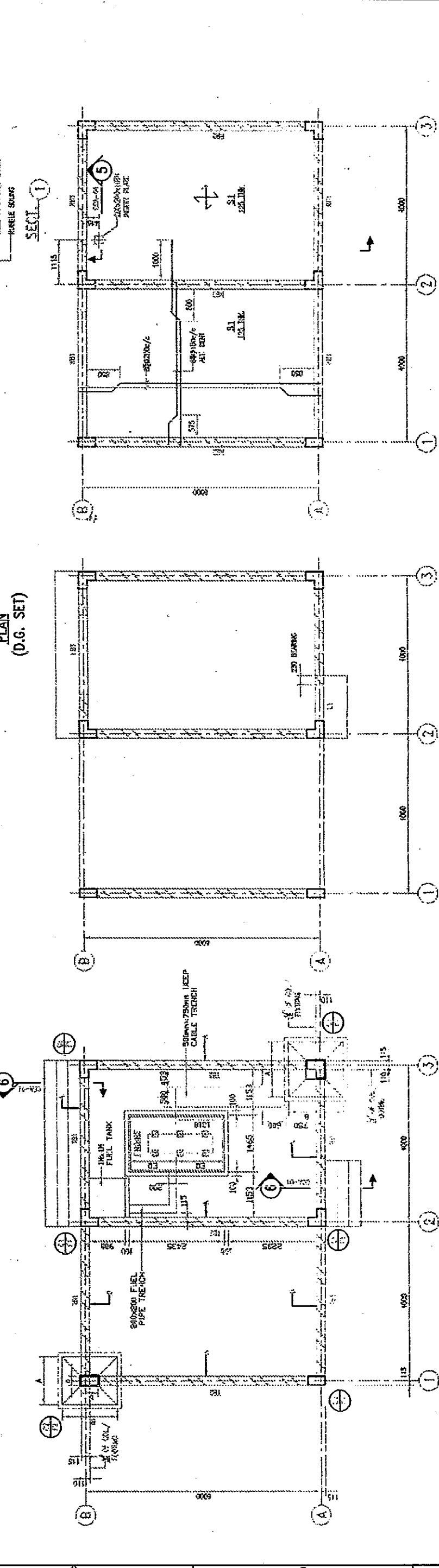
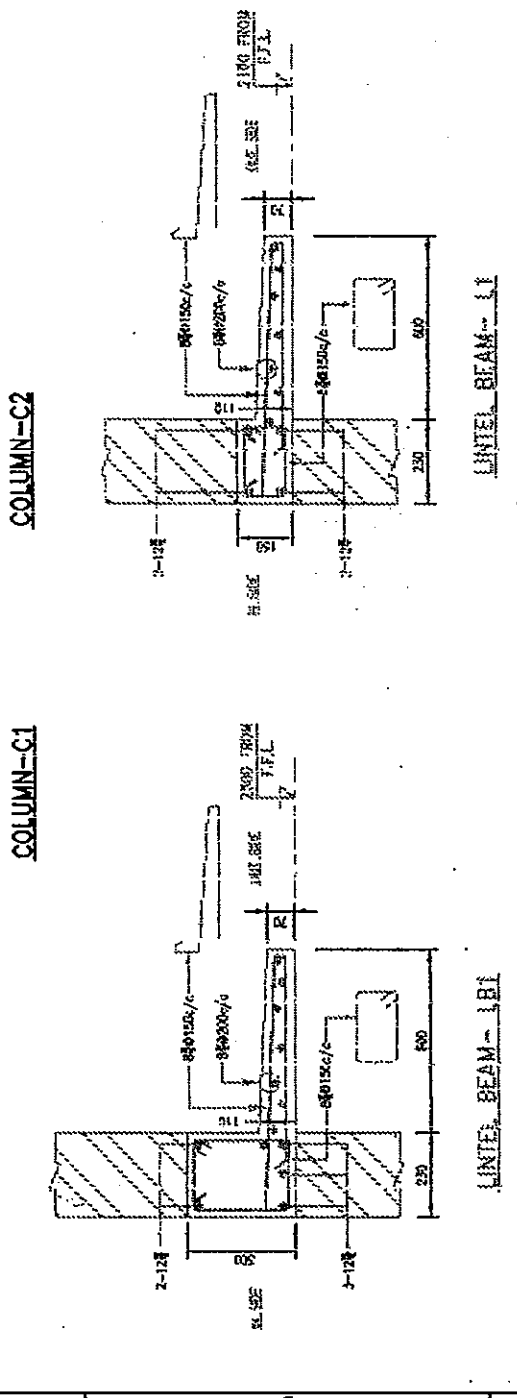


**SCHEDULE OF BEAMS**

BEAM MARKED	TYPE	SIZE	AT CENTRE	REINFORCEMENT	AT SUPPORTS	REMARKS
B1	1	250	100	4-12	4-12	
B2	1	250	100	4-12	4-12	
B3	1	250	100	4-12	4-12	
B4	1	250	100	4-12	4-12	
B5	1	250	100	4-12	4-12	
B6	1	250	100	4-12	4-12	
B7	1	250	100	4-12	4-12	
B8	1	250	100	4-12	4-12	
B9	1	250	100	4-12	4-12	
B10	1	250	100	4-12	4-12	
B11	1	250	100	4-12	4-12	
B12	1	250	100	4-12	4-12	
B13	1	250	100	4-12	4-12	
B14	1	250	100	4-12	4-12	
B15	1	250	100	4-12	4-12	
B16	1	250	100	4-12	4-12	
B17	1	250	100	4-12	4-12	
B18	1	250	100	4-12	4-12	
B19	1	250	100	4-12	4-12	
B20	1	250	100	4-12	4-12	

**SCHEDULE OF R.C. FOOTINGS**

FTG. MARK	TYPE	SIZE	REINFORCEMENT	REMARKS
F1	1	1400	4-12	
F2	1	1000	4-12	
F3	1	1400	4-12	
F4	1	1000	4-12	
F5	1	1400	4-12	
F6	1	1000	4-12	
F7	1	1400	4-12	
F8	1	1000	4-12	
F9	1	1400	4-12	
F10	1	1000	4-12	



STRUCT. LAYOUT AT SLAB LVL  
(AMBULANCE SHED AND GENERATOR ROOM)

STRUCT. LAYOUT AT LINTEL LVL  
(AMBULANCE SHED AND GENERATOR ROOM)

FOUNDATION PLAN  
(AMBULANCE SHED AND GENERATOR ROOM)

**AS-BUILT DRAWING**

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA

LAYOUT & R.C.C. DETS. OF FDS, LINTEL & ROOF SLAB.

AMBULANCE SHED & GENERATOR ROOM AT ANJAN

YAMASSETTA SKEKKI INC. - NEON SKEKKI, INC. JAPAN

Dalal Consultants And Engineers Ltd. Ahmedabad - India

0114138-CCA-16 (SHEET 1 OF 2)

**REVISIONS**

NO.	DATE	BY	CHKD.	REVISION

**NOTES:**

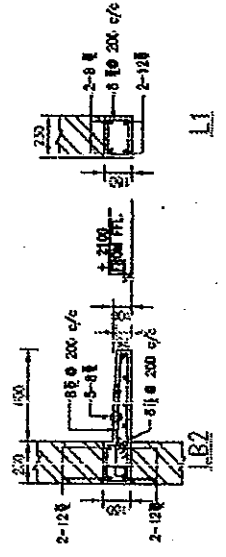
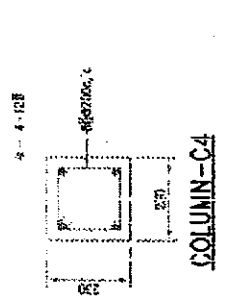
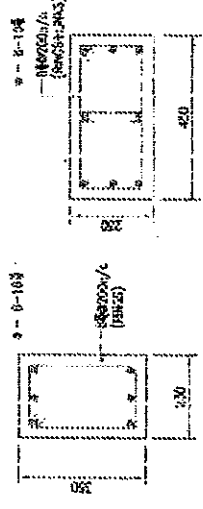
- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
- FOR ALL GENERAL NOTES REFER DRAWING USA-01.
- CONCRETE GRADE SHALL BE M20 FOR ALL BEAMS AND SLABS ETC. MACHINE MIXED & VIBRATED.
- FOR BEAM TYPES I, II & III REFER DETAIL I.D. CCH-01

NO.	DATE	BY	CHKD.	REVISION

PLAN, SECTION AND ELEVATION  
GENERAL NOTES  
TYPICAL FOUNDATION DETAILS  
REFERENCE DRAWING

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0114138-CCA-16

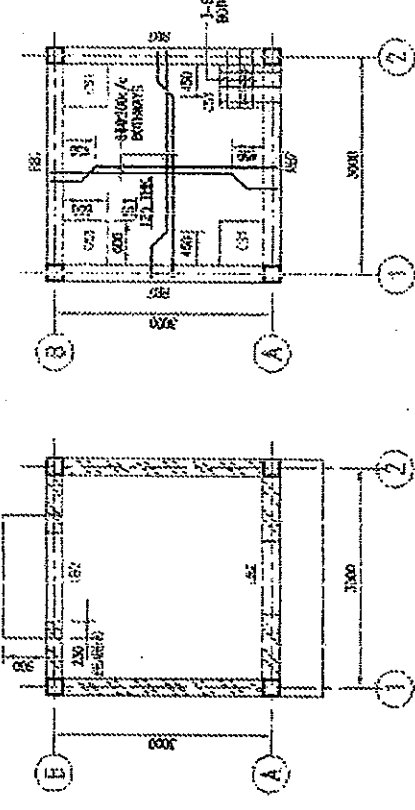


**SCHEDULE OF R.C. FOOTINGS**

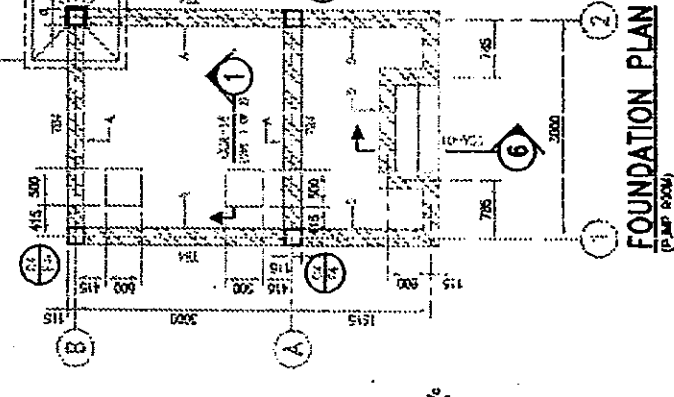
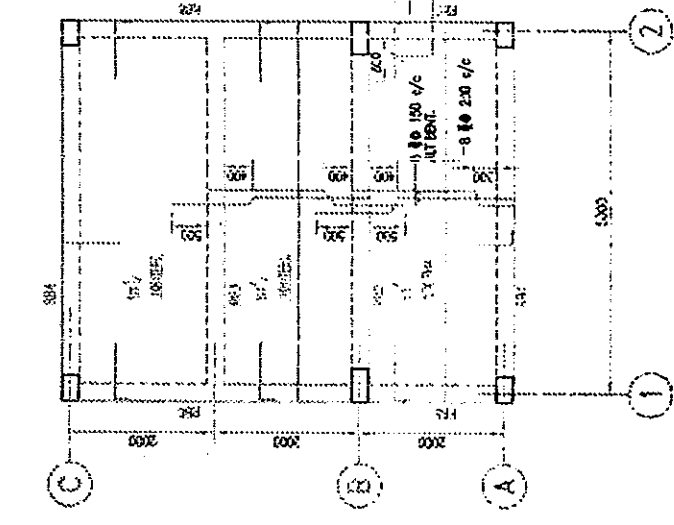
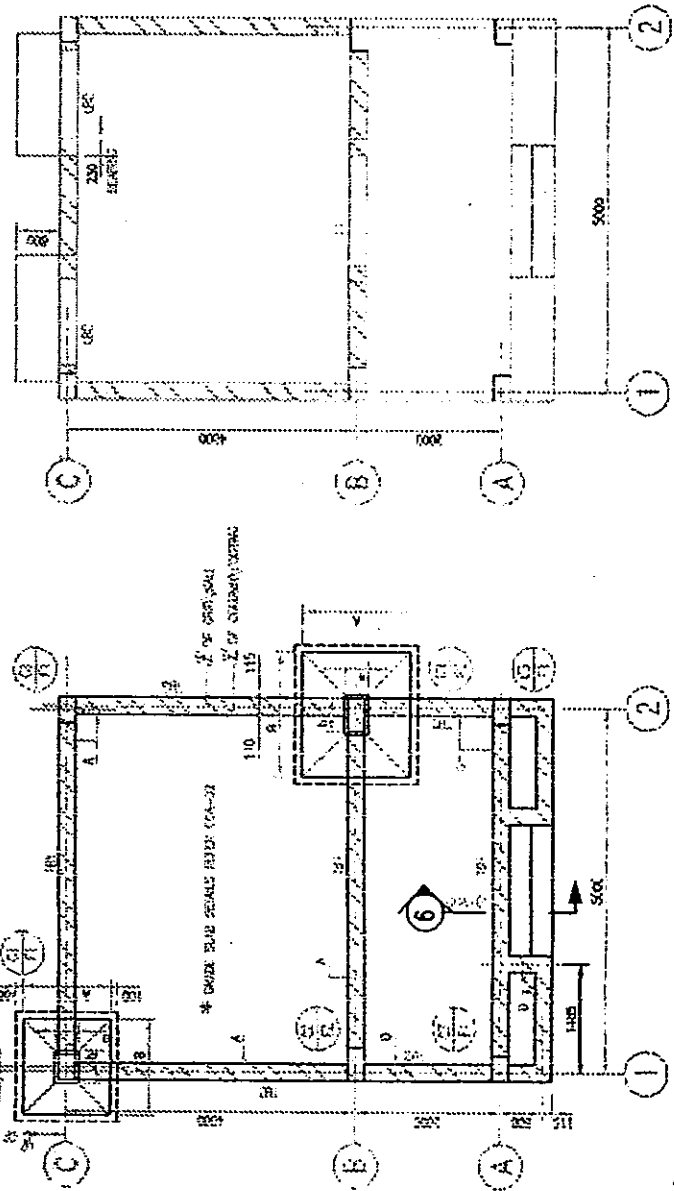
ITEM NO.	R.C. FOOTINGS				REINFORCEMENT			
	SIZE	A	B	D	NO. OF BARS	NO. OF BARS	NO. OF BARS	NO. OF BARS
F1	1200	1200	400	200	7	10	4	10
F2	1500	1700	450	300	8	10	8	10
F3	1500	1500	300	200	7	10	7	10

**SCHEDULE OF BEAMS**

BEAM MARKED	TYPE	SIZE	REINFORCEMENT				SUPPORTS
			AT CENTRE	AT SUPPORTS	AT SUPPORTS	AT SUPPORTS	
101	1	230	2	2	2	2	1
102	1	230	2	2	2	2	1
103	1	230	2	2	2	2	1
104	1	230	2	2	2	2	1
105	1	230	2	2	2	2	1
106	1	230	2	2	2	2	1
107	1	230	2	2	2	2	1
108	1	230	2	2	2	2	1
109	1	230	2	2	2	2	1
110	1	230	2	2	2	2	1
111	1	230	2	2	2	2	1
112	1	230	2	2	2	2	1
113	1	230	2	2	2	2	1
114	1	230	2	2	2	2	1
115	1	230	2	2	2	2	1
116	1	230	2	2	2	2	1
117	1	230	2	2	2	2	1
118	1	230	2	2	2	2	1
119	1	230	2	2	2	2	1
120	1	230	2	2	2	2	1



**STRUCT. LAYOUT AT SLAB LVL.**  
(PUMP ROOM)



**FOUNDATION PLAN**

(PUMP ROOM)

**STRUCT. LAYOUT AT LINTEL LVL.**

(PUMP ROOM)

**STRUCT. LAYOUT AT SLAB LVL.**

(PUMP ROOM)

**FOUNDATION PLAN**

(PUMP ROOM)



NO.	REVISION	DATE

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS AND UNLESS SPECIFIED OTHERWISE.
  - FOR ALL GENERAL NOTES REFER DRAWING CA-01.
  - CONCRETE GRADE SHALL BE 40 FOR ALL BEAMS AND 30 FOR FLOOR AND ROOF SLABS.
  - PROVIDE CONTINUOUS LINTEL OVER ALL WALLS AND CONNECTED WITH UTILITY LINTEL AS SHOWN.
  - TYPICAL CONNECTION DETAILS FOR CONTINUOUS LINTEL REFER DRAWING CA-03.

**AS-BUILT DRAWING**

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA

**LAYOUT & R.C.C. DETS. OF FDN, LINTEL, ROOF SLAB**

POSTMORTEM ROOM AND PUMP ROOM AT AHMAD

**FOUNDATION PLAN**

**STRUCT. LAYOUT AT SLAB LVL**

**STRUCT. LAYOUT AT LINTEL LVL**

**FOUNDATION PLAN**

CONTRACTOR: MITSUBI KENSETSU INDIA LIMITED  
 4-1/2, SARVODAYA BUILDING, NEW DELHI-110002, INDIA

SCALE: 1:50

DATE: 15.08.2015

PROJECT NO: 0114138-CCA-16 (PART 2 OF 2)

DESIGNER: YAMASEITA SIKKELI INC.-NIHON SIKKELI, INC. JAPAN

CHECKED: Delal Consultants And Engineers Pvt. Ltd. Ahmedabad - INDIA

DATE: 15.08.2015

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0114138-CCA-17

SCHEDULE OF BEAMS.

Table with columns: BEAM MARKED, TYPE, SIZE, REINFORCEMENT AT CENTRE, REINFORCEMENT AT SUPPORTS, STRIPS. Includes rows FB1 to FB50.

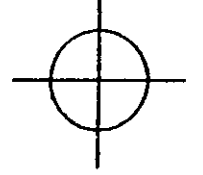
SCHEDULE OF BEAMS.

Table with columns: BEAM MARKED, TYPE, SIZE, REINFORCEMENT AT CENTRE, REINFORCEMENT AT SUPPORTS, STRIPS. Includes rows FB51 to FB100.

SCHEDULE OF BEAMS.

Table with columns: BEAM MARKED, TYPE, SIZE, REINFORCEMENT AT CENTRE, REINFORCEMENT AT SUPPORTS, STRIPS. Includes rows FB101 to FB150.

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REFERENCE MARKS

NO. DATE

ISSUED FOR CONSTRUCTION

REASON

BY

DATE

PROJ. NO.

OFF. NO.

REV.

CONTRACTOR  
MITSUJI KENSETSU  
INDIA LIMITED  
A-1/20, SAFARJUNG ENCLAVE,  
NEW DELHI-110028, INDIA

AS-BUILT DRAWING

SCALE: 1:100

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT  
EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA

SCHEDULE OF BEAMS AT FIRST FLOOR SLAB LEVEL  
COMMUNITY HEALTH CENTRE AT ANJAR

YAMASHITA SEKKEI INC.-NIHON SEKKEI, INC. JAPAN

Dalal Consultants  
And Engineers Ltd.  
Engineers - Consultants - Contractors  
Ahmedabad - India

0114138-CCA-17

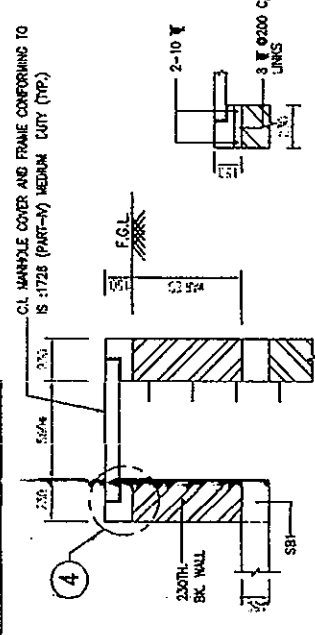
REV. R0

NOTES:  
\* READ THIS DRS. IN CONJUNCTION WITH DRG. NO. CCA-04.  
\* FOR ALL BEAMS TYPES REFER DRG. NO. CCA-01.

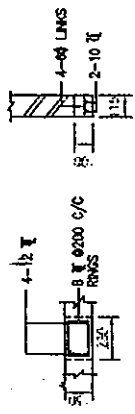




0114138-CRA-01

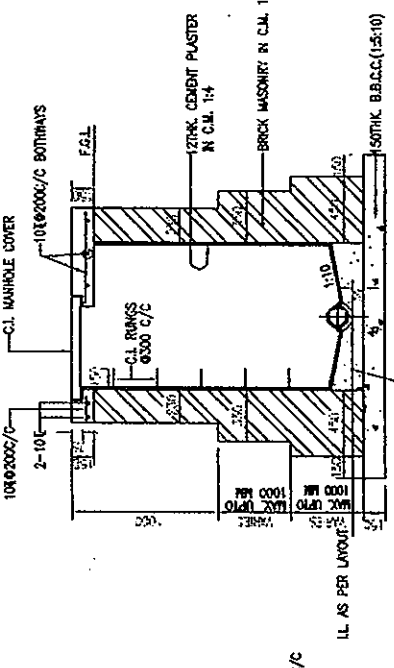
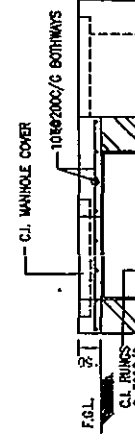


DETAIL 4



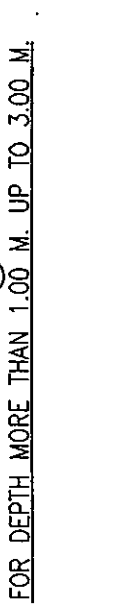
DETAIL 2

DETAIL 3



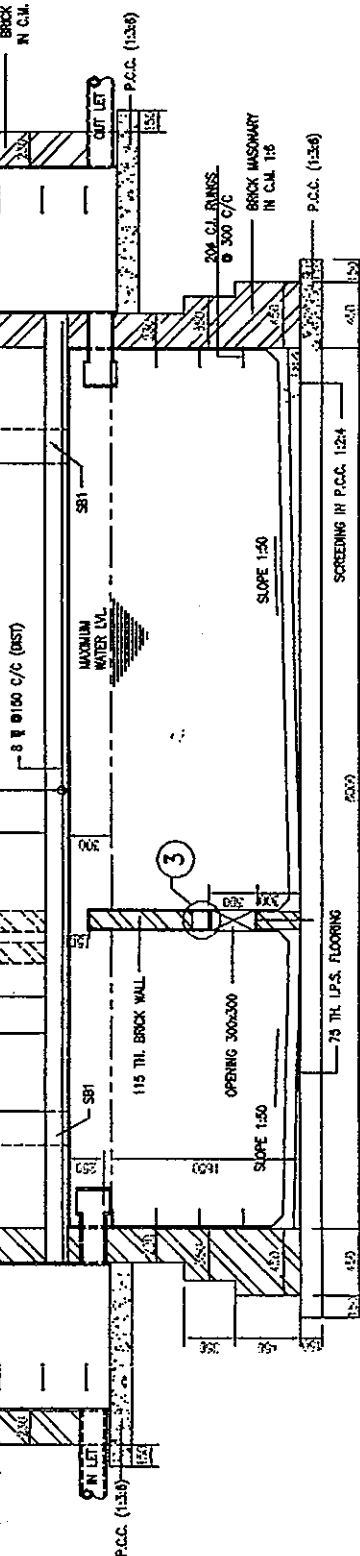
SECT. 2

FOR DEPTH UP TO 1.00 M.

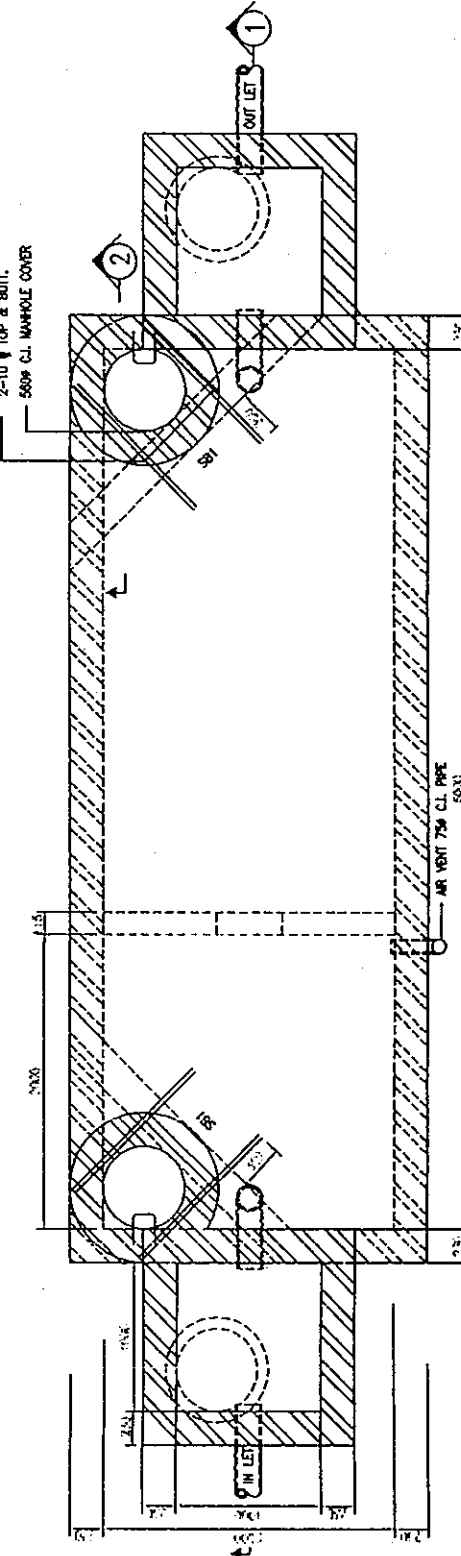


SECT. 7

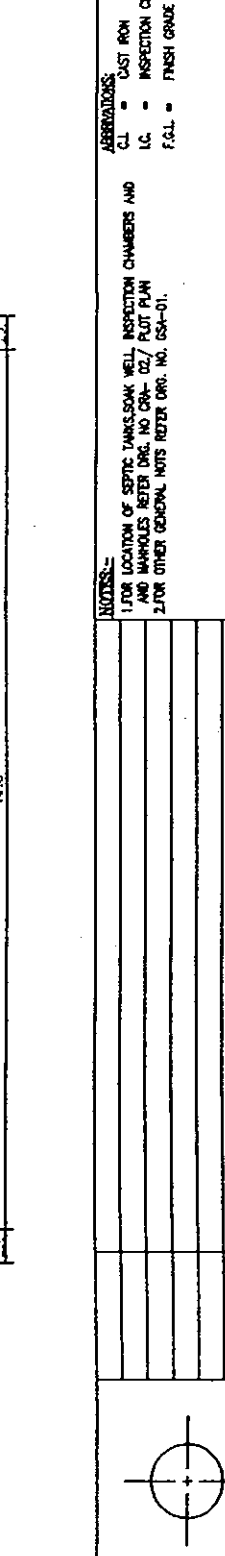
FOR DEPTH MORE THAN 1.00 M. UP TO 3.00 M.



SECT. 1



SECT. 5



PLAN

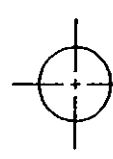
REF. THIS TABLE IF NOT SPECIFIED IN DRAINAGE DRAWING

DEPTH OF MANHOLE	LENGTH A	WIDTH B
UP TO 1.0 M.	600	600
1.0 M. TO 1.5 M.	1000	1000
1.5 M. TO 2.0 M.	1000	1200
2.0 M. TO 3.0 M.	1200	1500

PLAN: TYPICAL INSPECTION CHAMBER/MANHOLE

CONTRACTOR  
MITSUBI KENSETSU  
INDIA LIMITED  
A-1/222, SARAJWARI ENCLAVE,  
NEW DELHI-110028, INDIA

SCALE: 1:25  
AS-BUILT DRAWING  
THE RECONSTRUCTION SUPPORT FOR THE GUJARAT  
EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA  
DETS.OF SEPTIC TANK, SOAK WELL, I.C., MANHOLE  
ANJAR & MANDRA HOSPITAL  
YAMASHITA SEIKI INC.-NIHON SEIKI, INC. JAPAN  
Delal Consultants  
And Engineers Ltd.  
New Delhi-110028, India  
0114138-CRA-01  
RO



NOTES:-  
1 FOR LOCATION OF SEPTIC TANK/SOAK WELL, INSPECTION CHAMBERS AND  
AND MANHOLES REFER DRG. NO. CRA-02/ FLUT PLAN  
2 FOR OTHER GENERAL NOTES REFER DRG. NO. GSA-01.

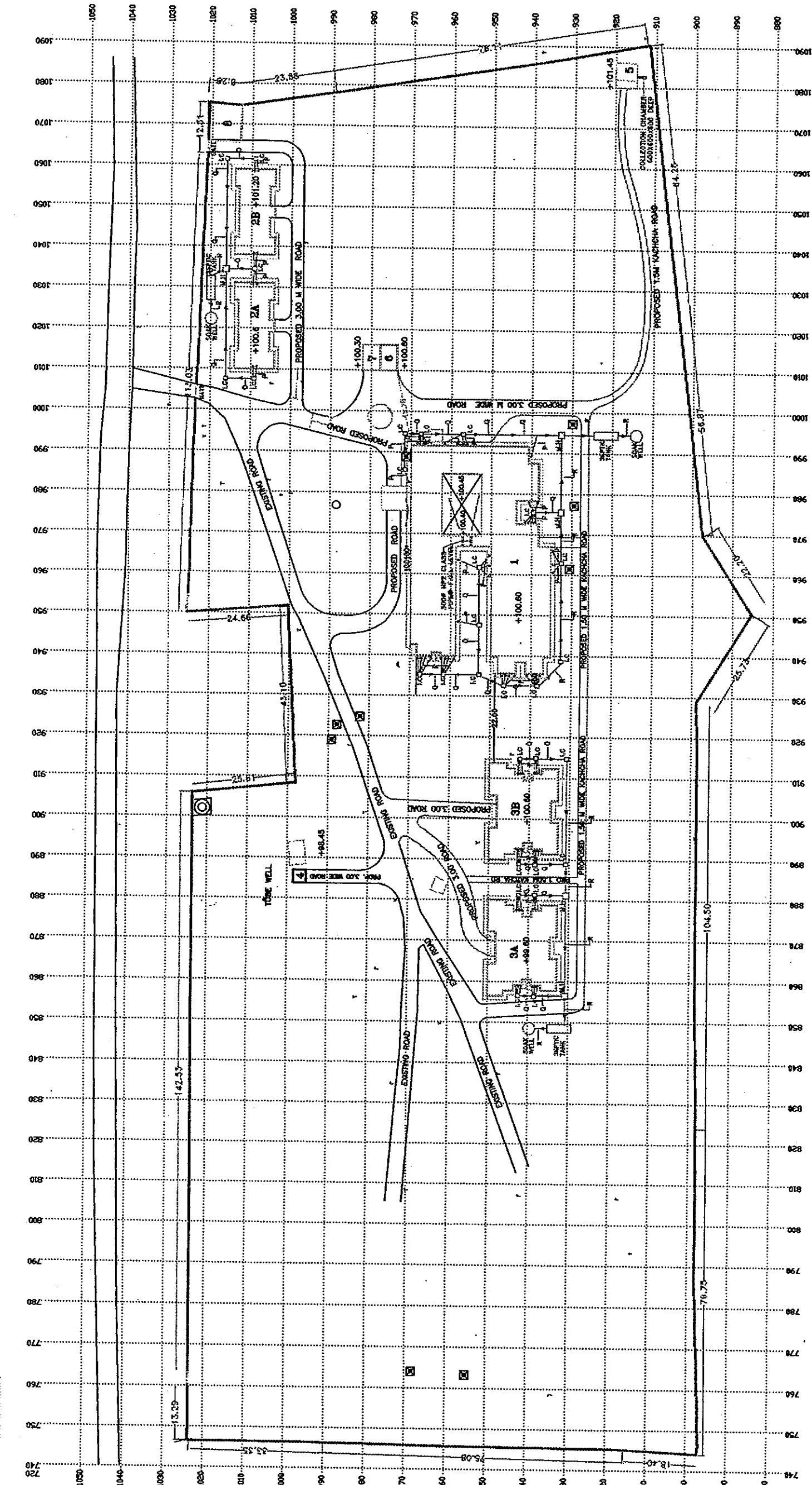
ABBREVIATIONS:  
C.I. = CAST IRON  
I.C. = INSPECTION CHAMBER  
F.C.L. = FINISH GRADE LEVEL.

NO.	DATE	BY	CHK.	REV.	REVISION

REVISION

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0114138-CRA-02



PLANNING COMMUNITY HEALTH CENTER  
AT ANAP (BUDH)

- (1) ELECTRICAL BUILDING
- (2) MANHOLE
- (3) MANHOLE
- (4) TELEPHONE
- (5) TELEPHONE
- (6) TELEPHONE
- (7) TELEPHONE
- (8) TELEPHONE
- (9) TELEPHONE
- (10) TELEPHONE
- (11) TELEPHONE
- (12) TELEPHONE
- (13) TELEPHONE
- (14) TELEPHONE
- (15) TELEPHONE
- (16) TELEPHONE
- (17) TELEPHONE
- (18) TELEPHONE
- (19) TELEPHONE
- (20) TELEPHONE

MANHOLE, ELECTRICAL, TEL  
(9) GARAGE

- 1 - 150 DIA 5 M. PIPE WITH MINIMUM SLOPE 1:50
- 2 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 3 - 250 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 4 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 5 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 6 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 7 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 8 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 9 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 10 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 11 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 12 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 13 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 14 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 15 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 16 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 17 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 18 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 19 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50
- 20 - 100 DIA 3.0 M. PIPE WITH MINIMUM SLOPE 1:50

1.	MANHOLE
2.	ELEC. POLE
3.	TEL. POLE
4.	TRUSS
5.	LAMP POLE

CONTRACTOR  
MITSUBI KENETSU  
INDIA LIMITED  
A-1/2A, SHARADHAPUR ENCLAVE,  
NEW DELHI-110028, INDIA

**AS-BUILT DRAWING**

THE RECONSTRUCTION SUPPORT FOR THE GULFST  
EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDI  
DATE: 15/03/2005

**DRAINAGE LAYOUT (PLOT PLAN)**

CRC AT-ANAP  
KAMASHITA SENSU INC., SHIRO ASAKI, JPN

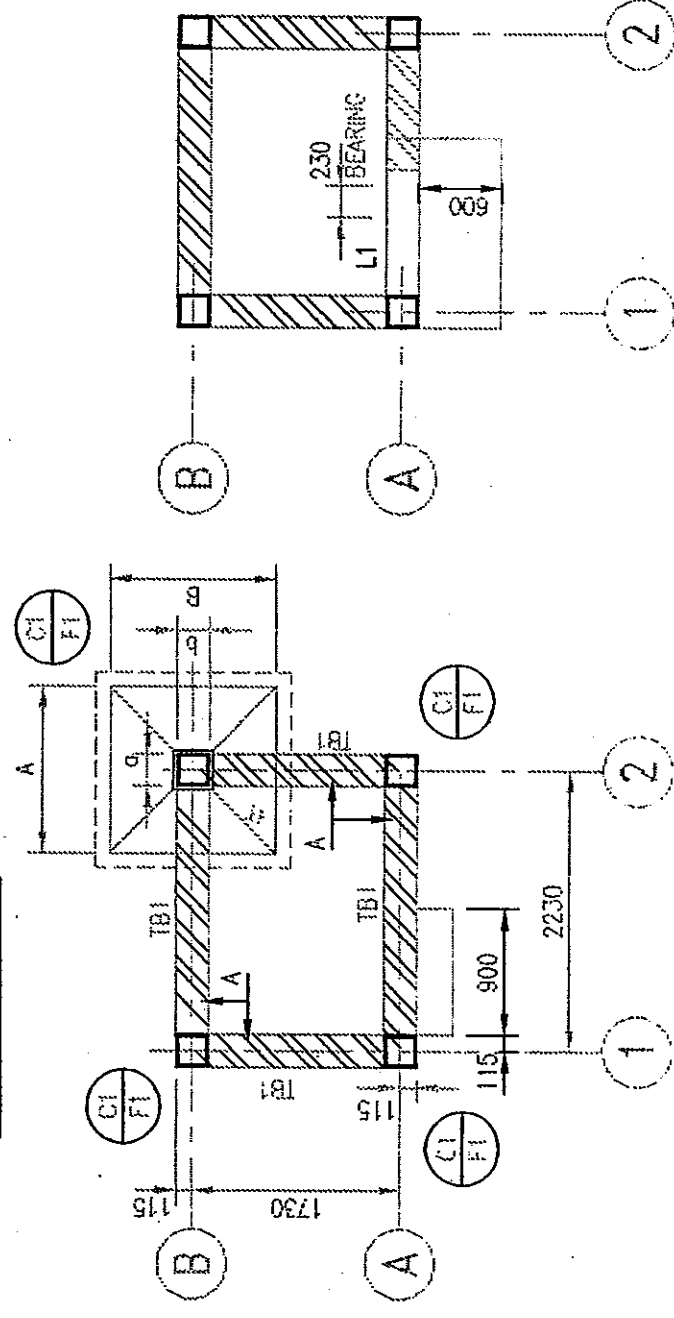
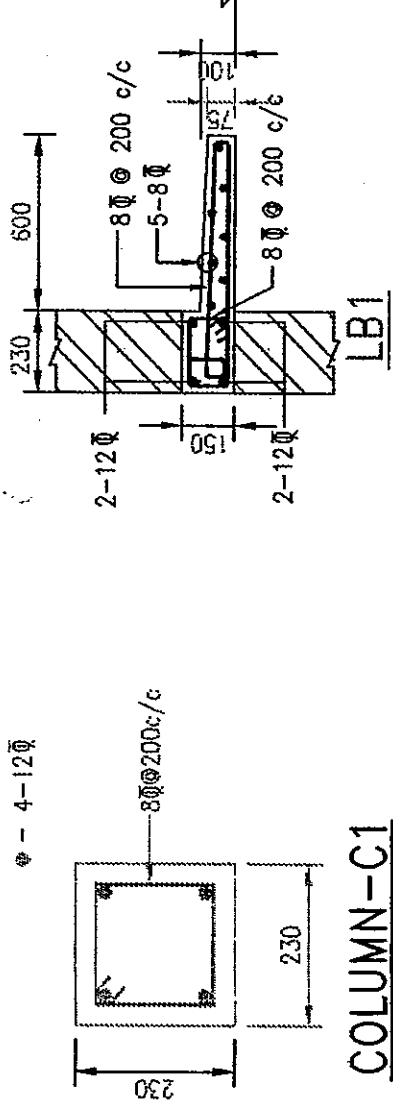
DATE: 15/03/2005  
SCALE: 1:500

0114138-CRA-02  
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**SCHEDULE OF R.C.FOOTINGS.**

FIG. MKD.	R. C. FOOTINGS				REMARKS	
	SIZE		REINFORCEMENT			
	A	B	D	NOS.	e	f
F1	1200	1200	350	7	10	10



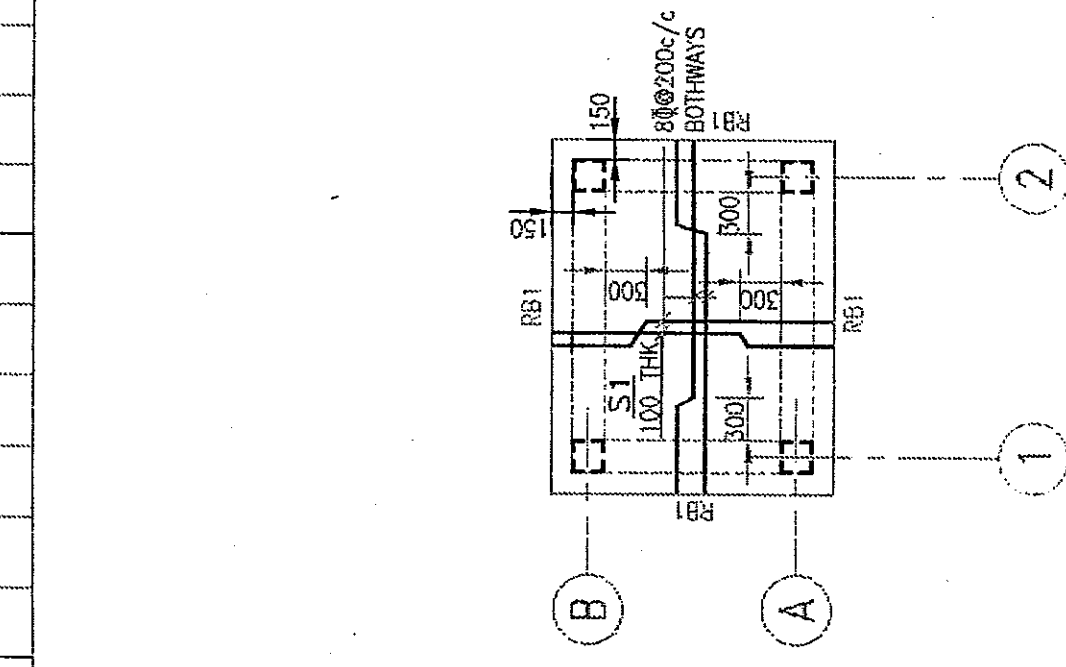
**FOUNDATION PLAN**  
(D.G. ROOM)

**NOTE:**

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
- FOR ALL GENERAL NOTES REFER DRG.NO. GSA-01.

**SCHEDULE OF BEAMS.**

BEAM MARKED	TYPE	SIZE	REINFORCEMENT								REMARKS	
			AT BOTTOM		AT CENTRE		AT TOP		AT SUPPORTS			STIRRUPS
			B1	NOS.	Ø	NOS.	Ø	TR	T2			
RB1	III	230	2	16	2	16	2	16	1	12	Ø 150 c/c	
RB1	III	230	3	12	2	16	2	16	1	12	Ø 200 c/c	



**STRUCT. LAYOUT AT SLAB LVL.**  
(D.G. ROOM)

**STRUCT. LAYOUT AT LINTEL LVL.**  
(D.G. ROOM)

**CONTRACTOR**

MITSUBISHI KENSETSU  
INDIA LIMITED  
A-1/20, SAFDARJUNG ENCLAVE,  
NEW DELHI-110029, INDIA

**AS-BUILT DRAWING**

SCALE : 1:50  
THE RECONSTRUCTION SUPPORT FOR THE GUJARAT  
EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA

LAYOUT & R.C.C. DETAILS OF FDNS., LINTEL, ROOF SLAB  
D.G. ROOM AT MUNDRA HOSPITAL

YAMASHITA SEKKI INC. - NIHON SEKKI, INC.  
JAPAN

Dalal Consultants  
And Engineers Ltd.  
Engineers - Consultants - Contractors  
Ahmedabad - India

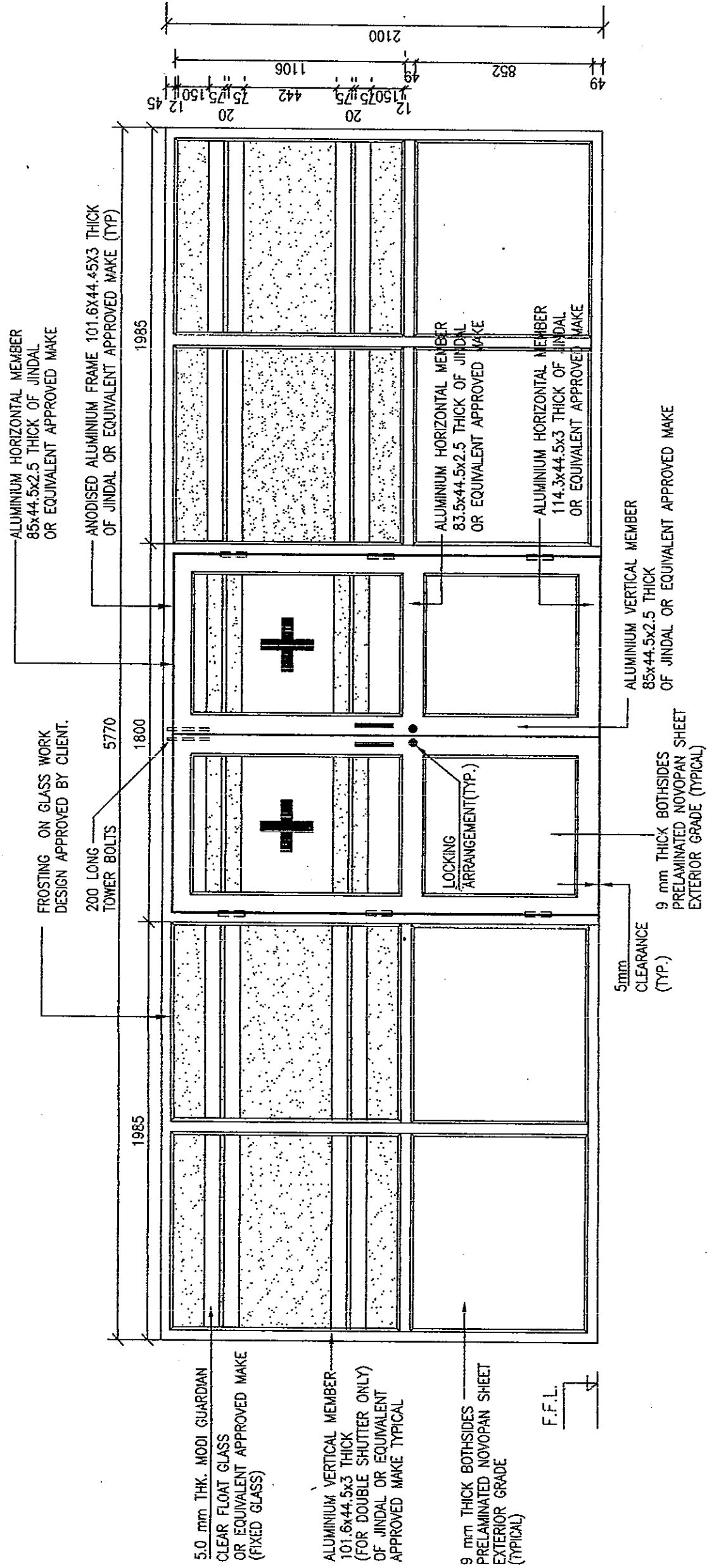
0114138-CCC-04  
REV. RO

DEPT. PROJ. MGR.  
CHK. HEAD INGR. ENGG.

ISSUED FOR CONSTRUCTION  
REV. DATE

REFERENCE DRAWINGS

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AS-BUILT DRAWING

**ELEVATION**

D1A1 = 5770x2100

(ALUMINIUM ENTRANCE DOOR)

(FIXED GLASS PANEL ON BOTH SIDES)

**PROPOSED ALUMINIUM PARTITION  
COMMUNITY HEALTH CENTER.**

ANJAR.

KUTCHH.

DATE : 22-01-02

DRG. NO.: AKD-01

SCALE : N.T.S.

JOB NO.: 0114138

DRAWN: MAYANK

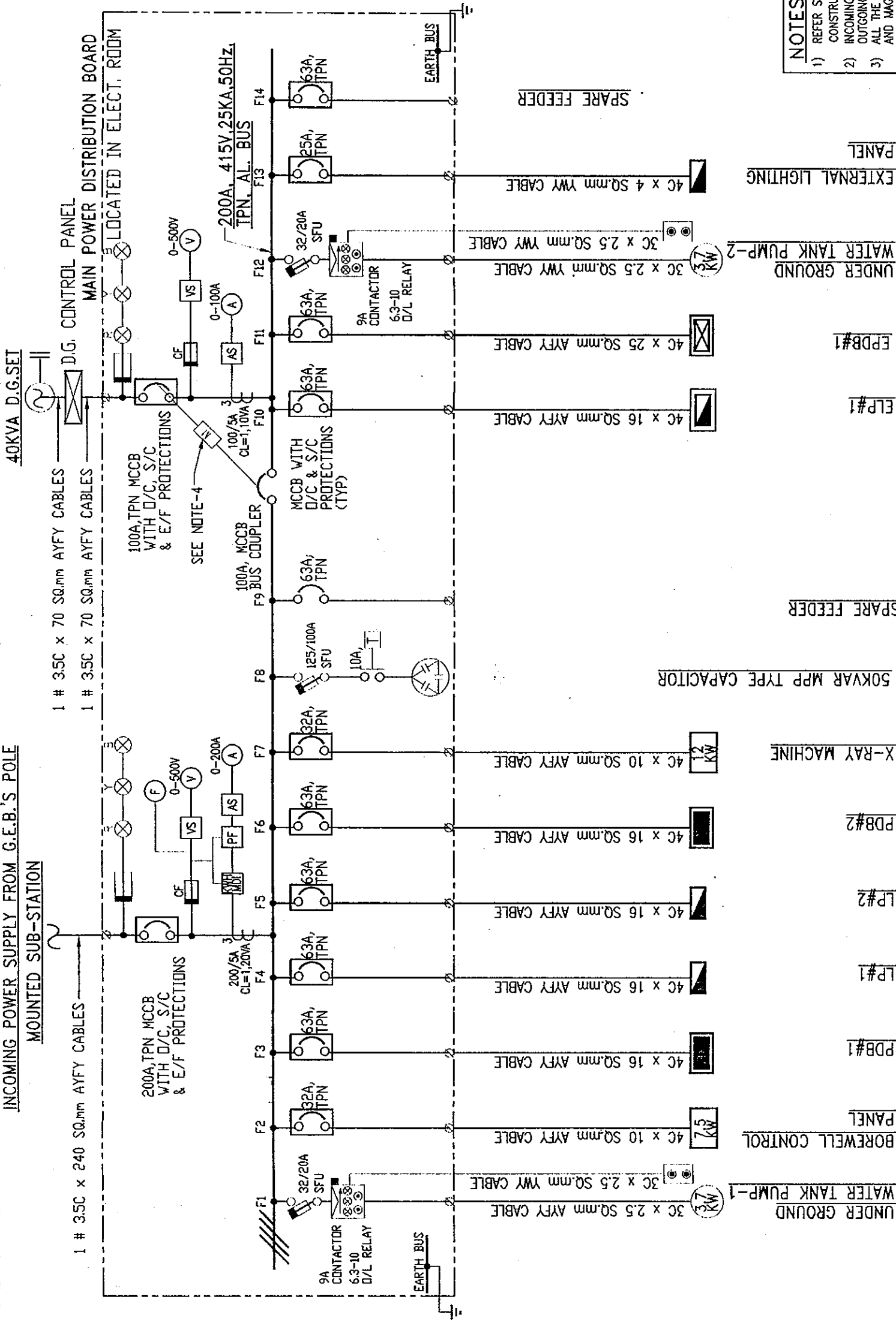
REV. NO.: PO

CONTRACTOR  
**MITSUBI KENSETSU  
INDIA LIMITED**  
 A-1/20, SAFDARJUNG ENCLAVE,  
 NEW DELHI-110029. INDIA

**Dalal Consultants  
And Engineers Ltd**

Ahmedabad India

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**LEGEND**

- MOULDED CASE CIRCUIT BREAKER (MCCB)
- HRC FUSE LINK
- R-PHASE INDICATING LAMP
- Y-PHASE INDICATING LAMP
- B-PHASE INDICATING LAMP
- VOLTMETER SELECTOR SWITCH
- VOLTMETER
- AMMETER SELECTOR SWITCH
- POWER FACTOR METER
- KILO WATT HOUR METER WITH MDI
- AMMETER
- CURRENT TRANSFORMER
- DOL STARTER COMPRISING OF ON/OFF/TRIP INDICATING LAMPS & STAY PUT TYPE STOP & TRIP RESET PUSH BUTTONS
- LOCAL PUSH BUTTON STATION (INSTALLED NR. MOTOR) COMPRISING OF ON & STAY PUT TYPE OFF PUSH BUTTONS

**ABBREVIATIONS**

- AL - ALUMINIUM
- AYFY - AL CONDUCTOR CABLE, PVC INSULATED, STEEL WIRE/STRIP WIRE/STRIP ARMoured & PVC SHEATHED OVERALL.
- TPN - TRIPLE POLE & NEUTRAL
- LP - LIGHTING PANEL
- ELP - EMERGENCY LIGHTING PANEL
- PDB - POWER DISTRIBUTION BOARD
- EPDB - EMERGENCY POWER DISTRIBUTION BOARD

**NOTES**

- 1) REFER STANDARD SPECIFICATION OF MV SWITCHGEAR FOR CONSTRUCTION DETAILS.
- 2) INCOMING CABLE ENTRY - TOP
- 3) OUTGOING CABLE ENTRY - TOP
- 4) ALL THE MCCBs SHALL BE CONSIDERED WITH ADJUSTABLE THERMAL AND MAGNETIC RELEASES.
- 5) MECHANICAL INTERLOCK SHALL BE PROVIDED BETWEEN BUSCOUPLER AND D.G. INCOMER SUCH THAT AT A TIME ONLY ONE CAN BE ON.

SCALE : ---

**THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA**

SINGLE LINE DIAGRAM OF MAIN POWER DISTRIBUTION BOARD (MPDB) FOR COMMUNITY HEALTH CENTER AT ANJAR

YAMASHITA SEKKEI INC., NIIHON SEKKEI, INC. JAPAN

Dalal Consultants And Engineers Ltd. Engineers - Consultants - Contractors Ahmedabad - India

0114138-EIC-01

REV. NO. DATE

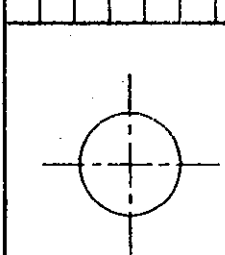
ISSUED FOR CONSTRUCTION

OVERALL POWER, EARTHING AND AREA LIGHTING LAYOUT

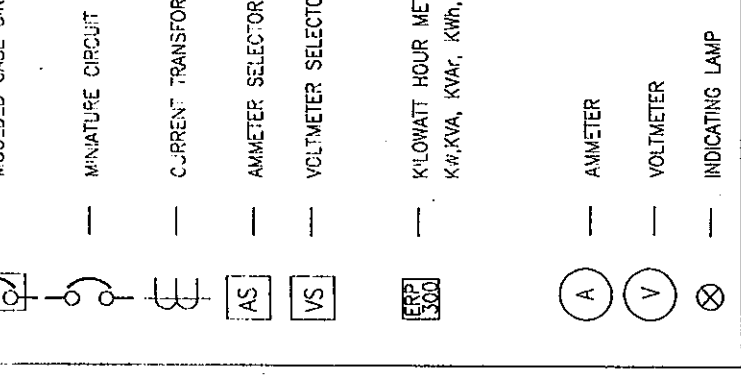
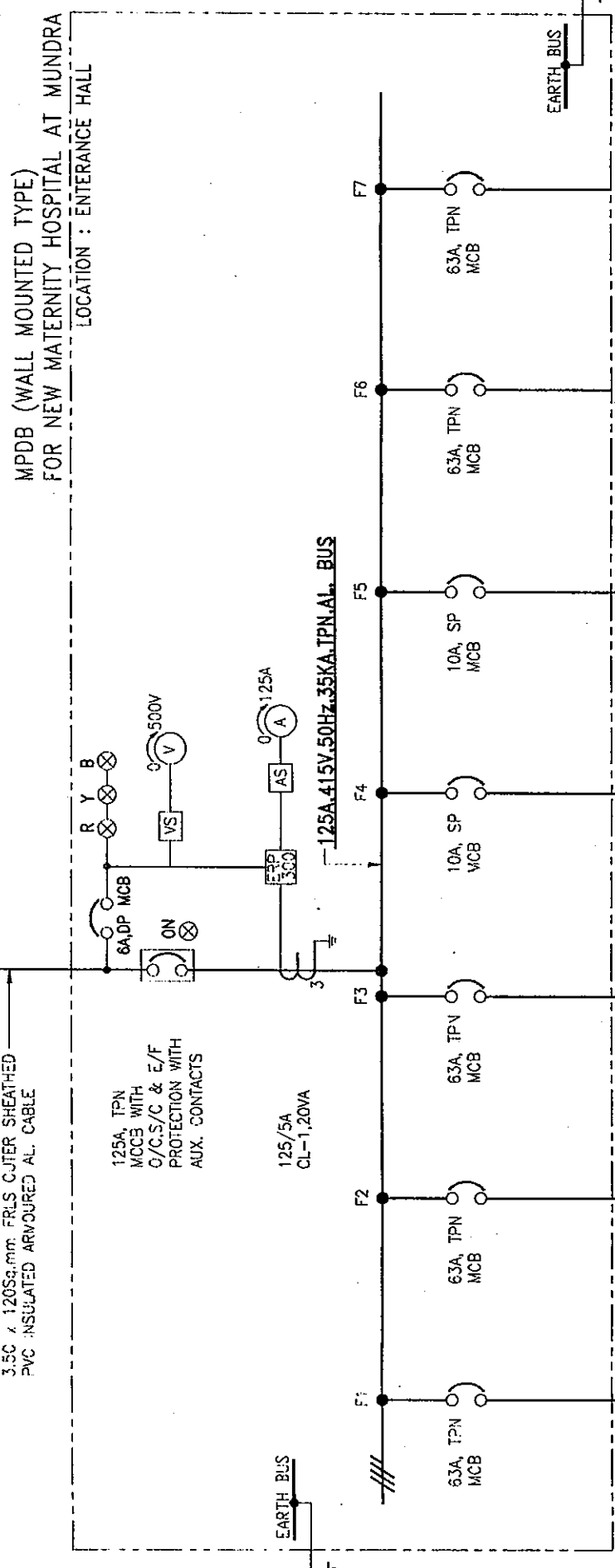
COMMUNITY HEALTH CENTRE AT ANJAR

REFERENCE DRAWINGS

ELA-06



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**ABBREVIATION**

MCCB	-	MOULDED CASE CIRCUIT BREAKER
MCB	-	MINIATURE CIRCUIT BREAKER
VS	-	VOLTMETER SELECTOR SWITCH
AS	-	AMMETER SELECTOR SWITCH
CT	-	CURRENT TRANSFORMER
V	-	VOLT
A	-	AMPERE
TPN	-	TRIPLE POLE NUTRAL
E	-	EARTHED
Kw	-	KILO WATT
Hz	-	HERTZ
E/F	-	EARTH FAULT
S/C	-	SHORT CIRCUIT
O/C	-	OVER CURRENT
SP	-	SINGLE POLE
KWH	-	KILO WATT HOUR
MDI	-	MAXIMUM DEMAND INDICATOR
Cu	-	COPPER
Al	-	ALUMINIUM
SL	-	STREET LIGHTS

**AS-BUILT DRAWING** SCALE : ---

**CONTRACTOR**  
**mitsui kensetsu india limited**  
 A-1/20, SAFDARJUNG ENCLAVE,  
 NEW DELHI-110029, INDIA

**THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA**

**SINGLE LINE DIAGRAM OF MAIN POWER DISTRIBUTION BOARD (MPDB) FOR MATERNITY HOSPITAL AT MUNDRA.**

**YAMASHITA SEKKI INC., NIHON SEKKI, INC. JAPAN**

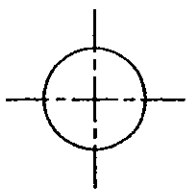
**Dalal Consultants And Engineers Ltd.**  
 Engineers - Consultants - Contractors  
 Ahmedabad - India

0114138-EIC-02

NO.	REVISION	DATE	BY	CHK.	DEPT. MGR.	HEAD MGR. ENGS.
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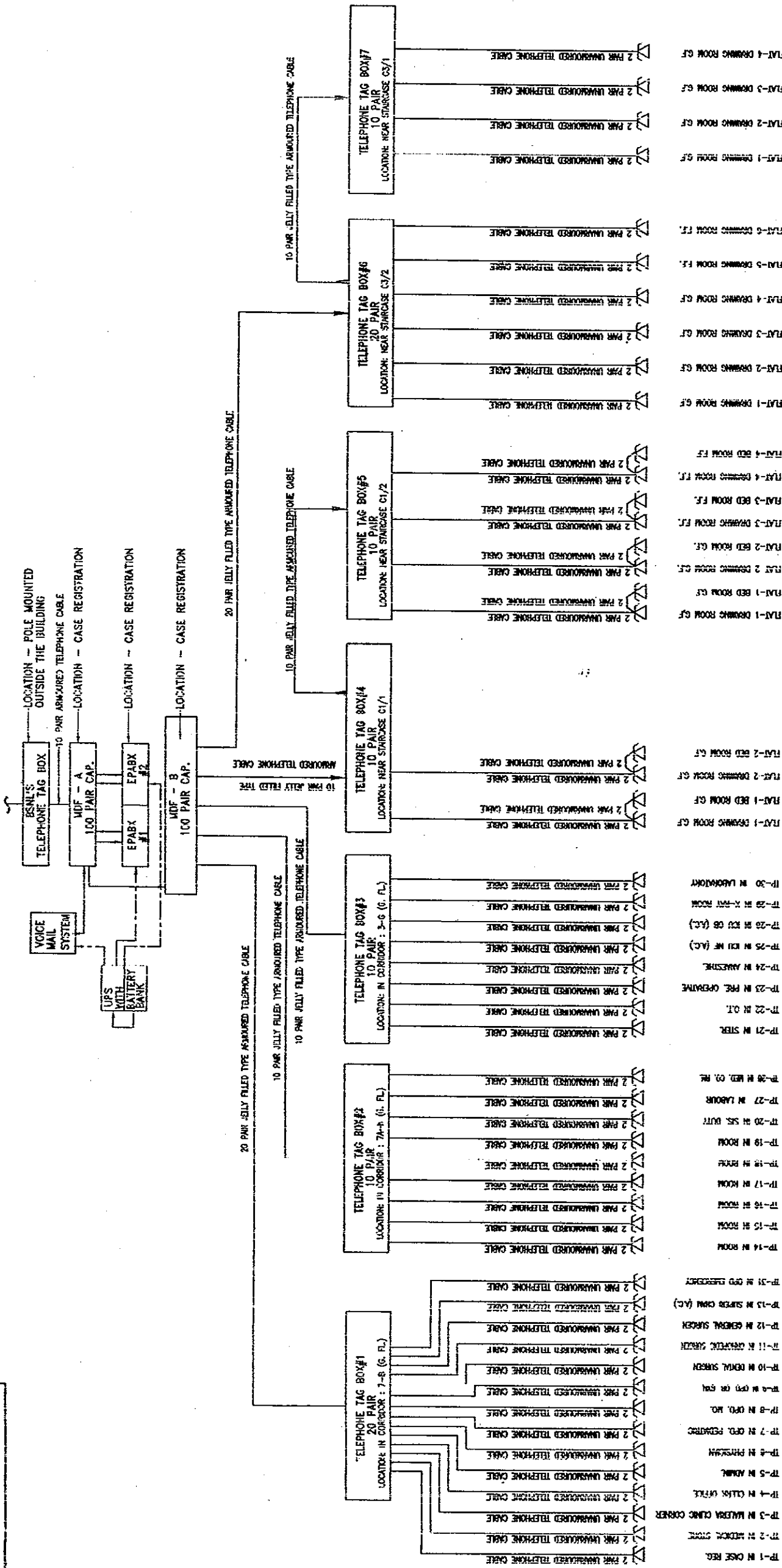
REFERENCE DRAWINGS

ELA-06 LTG. LAYOUT MATERNITY HOSPITAL-MUNDRA



0114138-EIA-03

INCOMING TELEPHONE LINE FROM BSNL DEEL



**TELEPHONE SYSTEM DESCRIPTIONS**

EXCHANGE: MAKE - PANASONIC (DIGITAL SUPER HYBRID SYSTEM);  
 MODEL: KX-TD1232 x 2NOS  
 CAPACITY: INCOMING LINES - 16 NOS  
 EXTENSION - 72 NOS (ANALOG);  
 EXTENSION - 40 NOS (DIGITAL)

DIGITAL TELEPHONE INSTRUMENT  
 MAKE - PANASONIC  
 MODEL: KX-T7433 x 1NO.  
 MODEL: KX-T7565 x 1NO.  
 MODEL: KX-T7440 x 1NO. (OSS CONSOLE)

ANALOG TELEPHONE INSTRUMENT  
 MAKE - PANASONIC  
 MODEL: KX-TS3MX x 30NO.

VOICE MAIL SYSTEM  
 MAKE - PANASONIC  
 MODEL: KX-TVP50 x 1NOS  
 MAIN FEATURES: MAIL BOX SETUP, RECEIVING MESSAGES, SENDING MESSAGES, SPECIAL FEATURES, CALL FORWARDING, CALL WAITING, MESSAGE RECEPTION MODE, ETC.

LEGEND  
 ∇ TELEPHONE POINT

**AS-BUILT DRAWING**

**THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA**

**SINGLE LINE DIAGRAM FOR TELEPHONE SYSTEM**

CHC-ANJAR

CONTRACTOR: MITSUBI KENSETSU INDIA LIMITED  
 A-1/20, SAFARJUNG ENCLAVE, NEW DELHI-110029, INDIA

SCALE: ---

YAMASHITA SEKKEI INC.-NIHON SEKKEI, INC. JAPAN

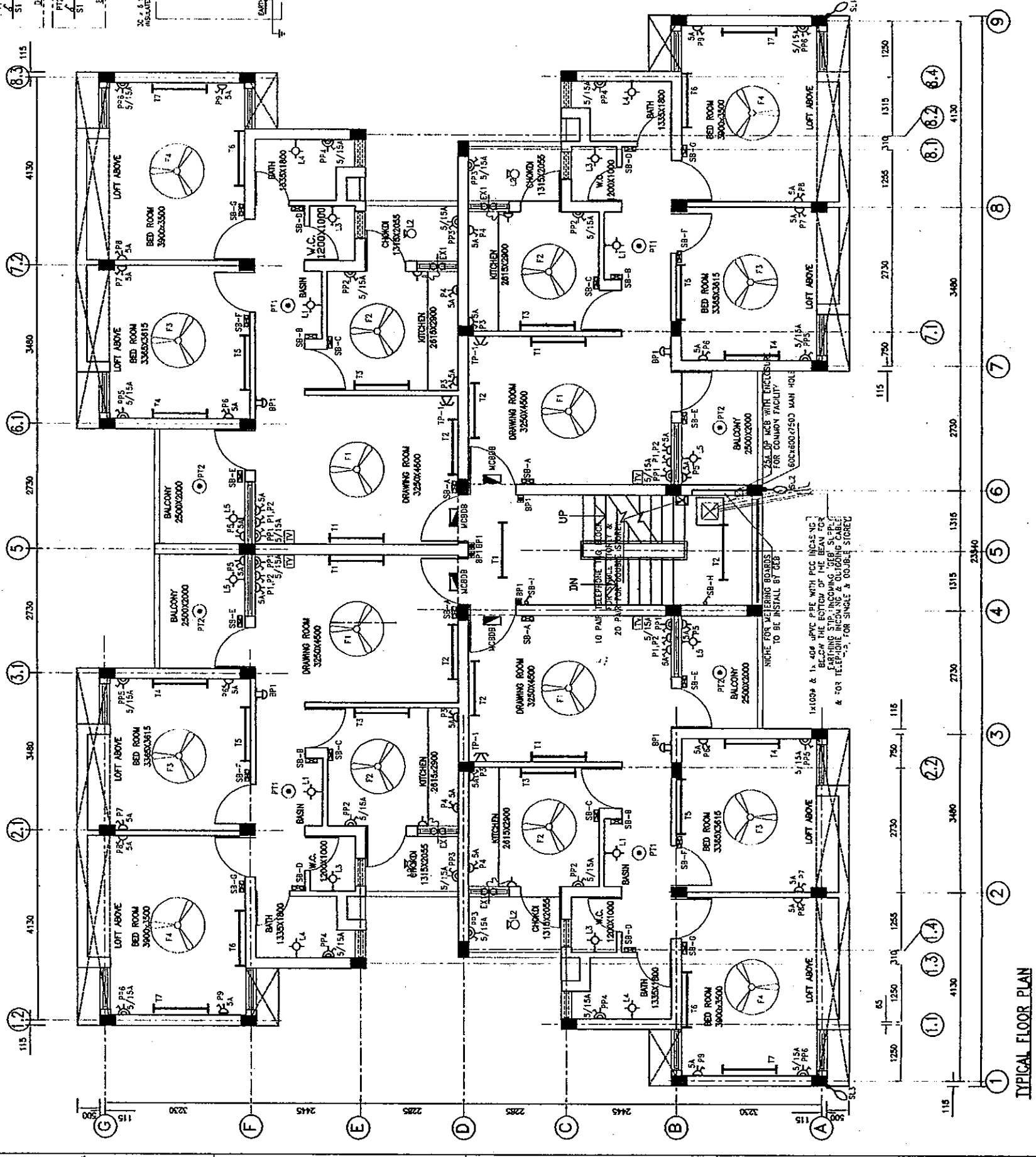
Dalal Consultants And Engineers Ltd.  
 Engineers - Consultants - Computer Ahmedabad - India

0114138-EIA-03

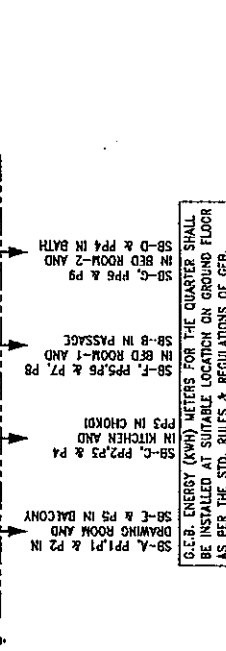
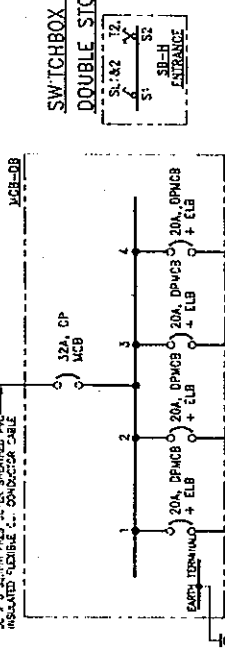
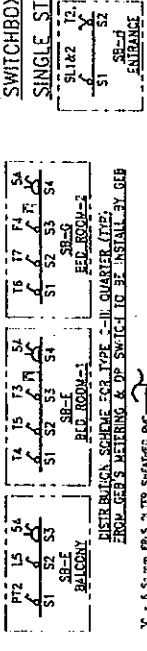
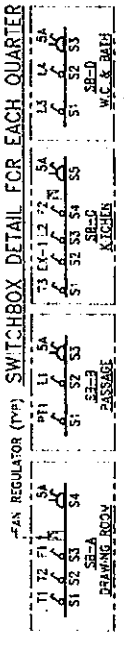
BY: CHC REG: MR. ENCL: REV: DATE: REVISION

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0114138-ELA-01



TYPICAL FLOOR PLAN



CONDUIT SIZE - MAXIMUM NOS. OF WIRES IN A CONDUIT

MM	2.5 SQ.MM	4 SQ.MM
10	4	2
12	6	3
16	10	5

10) ONE NUMBER COUPLER (RC-67) GOING UP TO TERRACE FROM EACH FLOOR FOR TV SYSTEM

LEGEND

SR NO.	SYMBOL	DESCRIPTION	QTY.	TOTAL QTY.
1	(Symbol)	1 X 18W TUBE LIGHT FITTURE	7 NOS.	80 NOS.
2	(Symbol)	1000TMR SWEEP CEILING FAN	4 NOS.	40 NOS.
3	(Symbol)	BULK-HEAD LAMP	5 NOS.	30 NOS.
4	(Symbol)	CILING POINT	2 NOS.	20 NOS.
5	(Symbol)	5A CONVENTIONAL TYPE SWITCH SOCKET	9 NOS.	90 NOS.
6	(Symbol)	5/15A CONVENTIONAL TYPE SWITCH	6 NOS.	60 NOS.
7	(Symbol)	3000W BA CH-415T FAN	1 NOS.	10 NOS.
8	(Symbol)	BELL PUSH	1 NOS.	10 NOS.
9	(Symbol)	LIGHTING PANEL	1 NOS.	10 NOS.
10	(Symbol)	TELEPHONE POINT	1 NOS.	10 NOS.
11	(Symbol)	TELEVISION POINT	1 NOS.	10 NOS.
12	(Symbol)	SECONDARY ROAD TYPE LIGHTING FITTURE	1 NOS.	20 NOS.
13	(Symbol)	5/15A SW. FOR 1.8W J.L.	2 NOS.	20 NOS.
14	(Symbol)	20 PAIR TELEPHONE TAG BLOCK	1 NOS.	1 NOS.
15	(Symbol)	30 PAIR TELEPHONE TAG BLOCK	1 NOS.	1 NOS.

**CONTRACTOR**  
**MITSUBI KENSETSU**  
**INDIA LIMITED**  
 A-1/2A, SATYANAGAR ENCLAVE,  
 NEW DELHI-110028, INDIA

**AS-BUILT DRAWING**  
 SCALE: 1:50  
**THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA**

**LIGHTING LAYOUT**  
 C-III QUARTERS AT ANUAR (CHC)

YAMASHITA SEKKEI INC.-NIHON SEKKEI, INC. JAPAN.  
 Delal Consultants  
 And Engineers  
 Ahmedabad - India  
**0114138-ELA-01**

0114138-ELA-01

Overall Powering and Area Lighting Layout  
 Community Health Centre at Anuar

WATERLOG DRAWINGS

DATE: 11/11/2005

BY: [Signature]

CHECKED: [Signature]

APPROVED: [Signature]

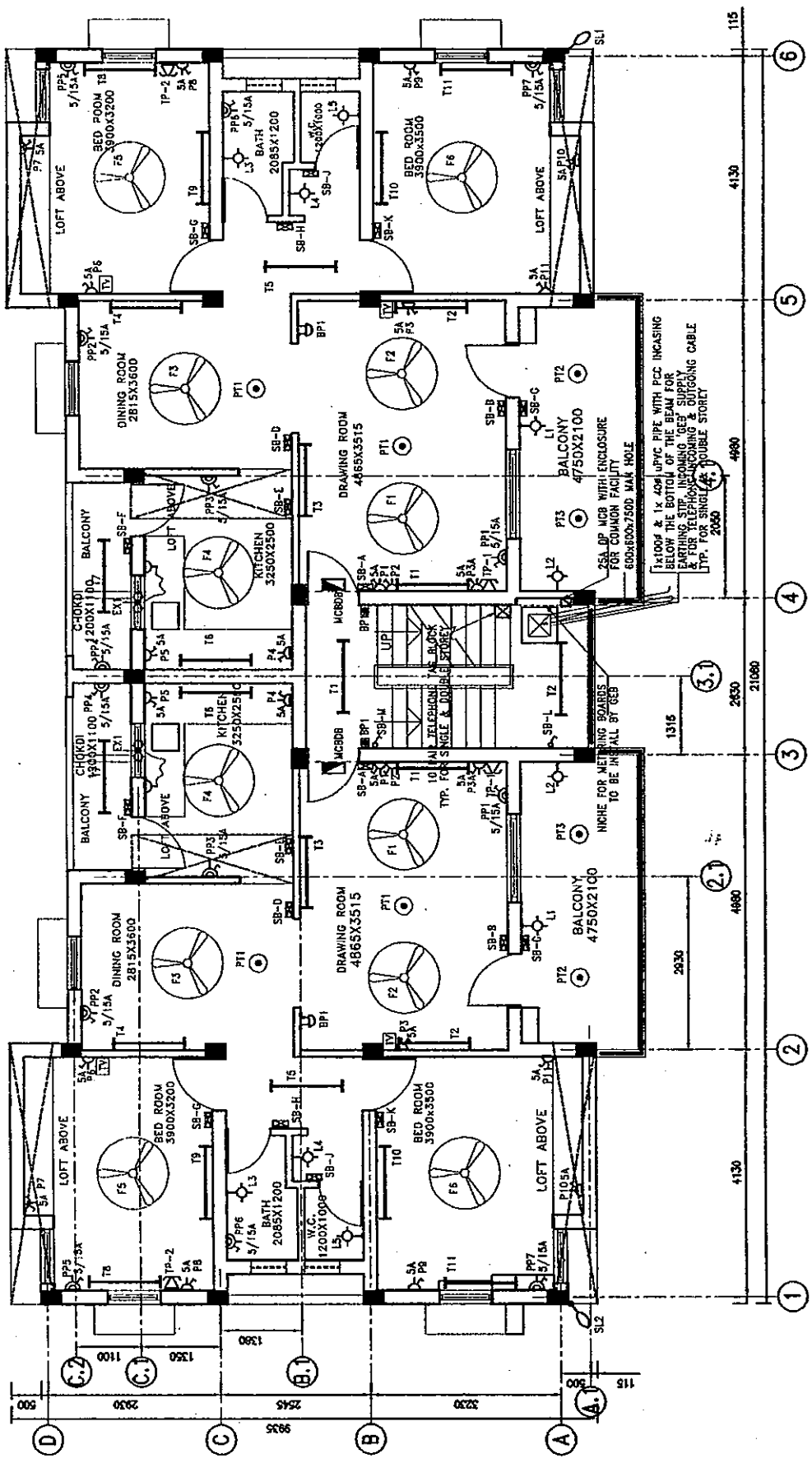
PROJECT: COMMUNITY HEALTH CENTRE AT ANUAR

NO. OF SHEETS: 01

TOTAL SHEETS: 01



0114138-ELA-02



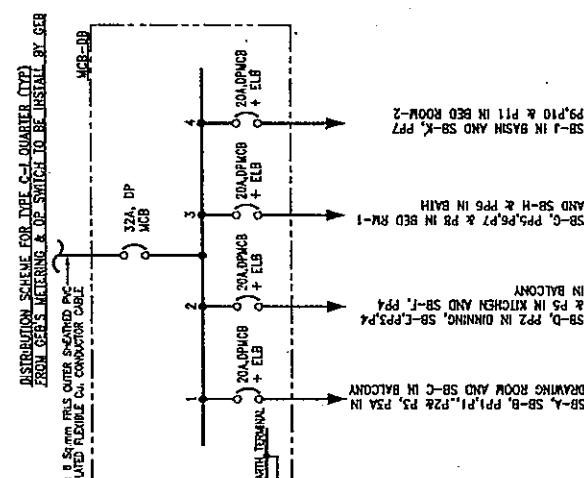
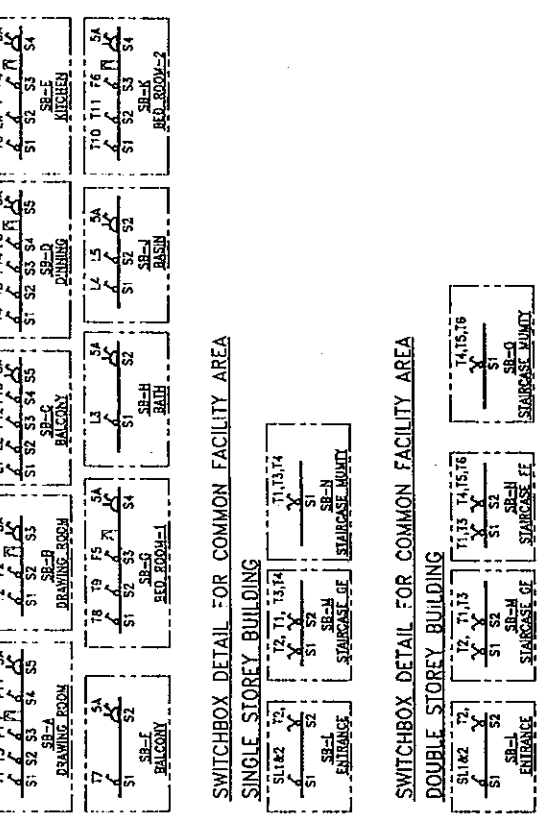
TYPICAL FLOOR PLAN

**LEGEND**

SR.NO.	SYMBOL	DESCRIPTION	QTY. PER QUARTER (G/L & B/L)	TOTAL QTY.
1	(Symbol)	1 X 36W TUBE LIGHT FIXTURE	11 NOS.	76 NOS.
2	(Symbol)	1200mm SWEEP CEILING FAN	6 NOS.	38 NOS.
3	(Symbol)	BULK HEAD LAMP	5 NOS.	30 NOS.
4	(Symbol)	CEILING POINT	4 NOS.	24 NOS.
5	(Symbol)	5A COMMERCIAL TYPE SWITCH SOCKET	12 NOS.	72 NOS.
6	(Symbol)	5/15A COMMERCIAL TYPE SWITCH SOCKET & PLUS UNIT	7 NOS.	42 NOS.
7	(Symbol)	300mm J.A. EXHAUST FAN	1 NO.	6 NOS.
8	(Symbol)	SWITCHBOX	10 NOS.	67 NOS.
9	(Symbol)	BELL PUSH	1 NO.	6 NO.
10	(Symbol)	BELL POINT	1 NO.	6 NO.
11	(Symbol)	UCB-08	2 NOS.	12 NOS.
12	(Symbol)	TELEPHONE POINT	2 NOS.	18 NOS.
13	(Symbol)	TELEVISION POINT	2 NOS.	18 NOS.
14	(Symbol)	SECONDARY ROAD TYPE LIGHTING FIXTURE SUITABLE FOR 1 X 36W, FTL	2 NOS.	4 NOS.
15	(Symbol)	25 A DP MCB BOX	2 NOS.	2 NOS.
16	(Symbol)	10PAIR TELEPHONE TAG BLOCKS	2 NOS.	2 NOS.

- NOTES**
4. 5mm PVC FLS WIRES SHALL BE USED TO FEED 5/15A PLUG POINT(S) IN THE COT. BUZZER POINTS IN OTKS SHALL BE FEED BY 2.5 5mm PVC FLS WIRES.
  - ALL DIMENSIONS ARE IN MILLIMETRES.
  - LIGHTING FIXTURES AND SWITCHES SHALL BE PARTED BY 1.5 5mm PVC FLS CABLES TO BE READ FROM THE DRAWING AND NOT TO BE MEASURED.
  - ARE PANNING IN THE COUNTRY AND CONNECTED TO THE NEAREST PART. BUS.
  - SWITCHES, SWITCHES, LIGHTING PANELS, ETC. SHALL BE MOUNTED IN SUCH A MANNER THAT THEIR BOTTOM EDGE SHALL REMAIN AT A HEIGHT OF 900mm ABOVE THE FINISHED FLOOR LEVEL.
  - WORKING FOR LIGHTING FIXTURES AND 1 PHASE RECEPTACLES SHALL BE CARRIED OUT WITH 250V, 600V, STRANDED, 2.5 50MM<sup>2</sup> COPPER, PVC FLS ASSOCIATED, WIRES, IN HEAVY GAUGE PVC CONDUIT.
  - LOADING OF RECEPTACLES SHOULD BE MADE FROM FUTURE TO FUTURE.
  - WORKING SHALL BE COLOUR CODED AND ONLY #PES OF THE SAME PHASE SHALL RUN IN THE SAME CONDUIT.
  - A MARKING OF THE FOLLOWING NOS. AND SIZES OF WIRES CAN BE TAKEN THROUGH EACH CONDUIT OF THE SIZES INDICATED. (CONDUITS OF LESS THAN 19 MM DIA SHALL NOT BE USED).
- | CONDUIT SIZE | MAXIMUM NOS. OF WIRES IN A CONDUIT |
|--------------|------------------------------------|
| 19           | 4                                  |
| 25           | 6                                  |
| 38           | 10                                 |
| 50           | 15                                 |
- 10) ONE NUMBER CORNER (RC-6) COMING UP TO TERRACE FROM EACH FLAT FOR TV SYSTEM

SWITCHBOX DETAIL FOR EACH QUARTER



**AS-BUILT DRAWING**  
**THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA**  
**LIGHTING LAYOUT FOR TYPICAL FLOOR**  
**C - 1 QUARTERS AT ANAR (CHC)**

SCALE: 1 : 50

**CONTRACTOR**  
**DAIIC CONSTRUCTION SERVICES PRIVATE LIMITED**  
 A-1/2A, SATYANAGAR ENCLAVE,  
 NEW DELHI-110028, INDIA

**DESIGNER**  
**YAMASHITA SEKKI INC. - NIIHON SEKKI, INC.**  
 JAPAN

**PROJECT NO.**  
**0114138-ELA-02**

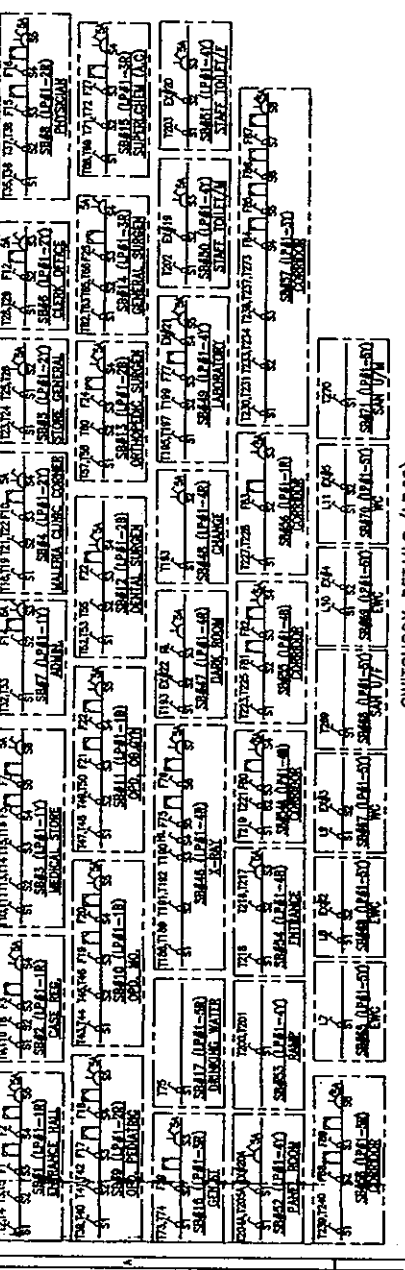
**REVISIONS**

NO.	DATE	BY	CHK.	REV. DATE	REV. NO.	REASON

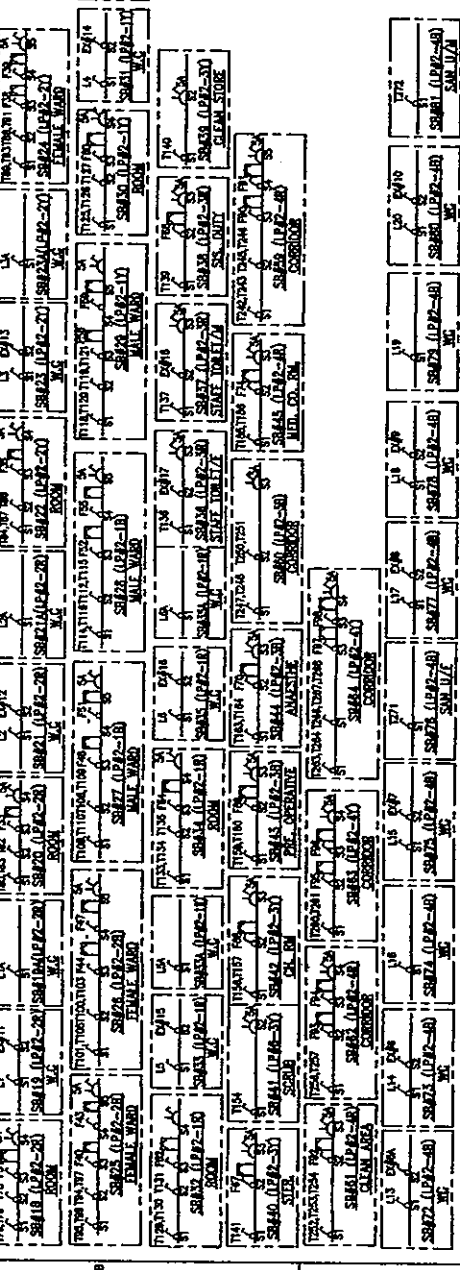
**OVERALL POWER, LIGHTING AND AREA LIGHTING LAYOUT**  
**COMMUNITY HEALTH CENTRE AT ANAR**  
 REFERENCE DRAWING

0114138-ELA-034

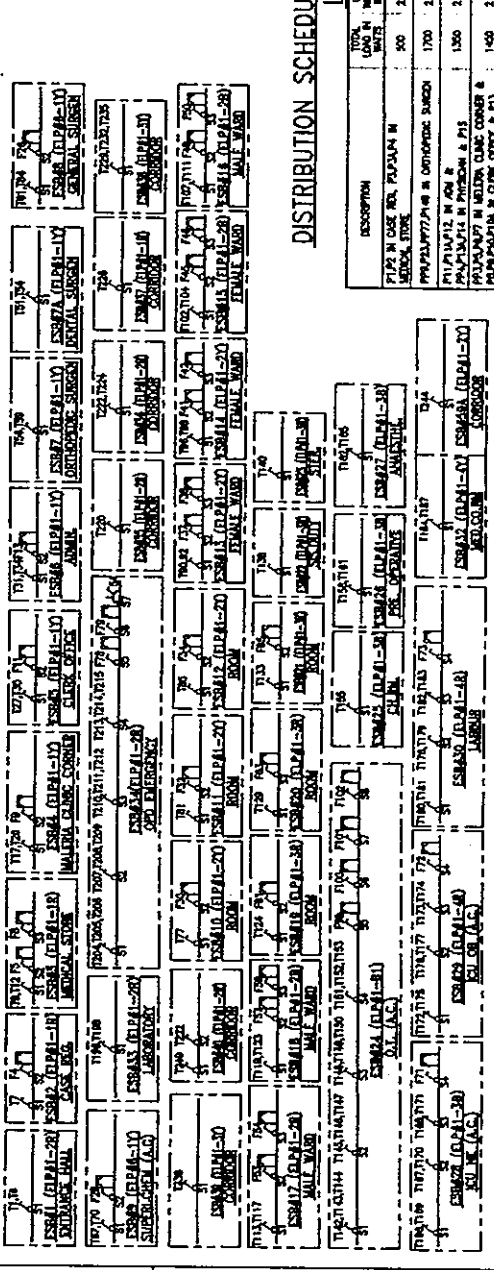
SWITCHBOX DETAILS (LP#1)



SWITCHBOX DETAILS (LP#2)



EMERGENCY SWITCHBOX DETAILS (ELP#1)



DISTRIBUTION SCHEDULE FOR LIGHTING PANEL # 1 (LP#1)

LOCATION : CORRIDOR (GRID : 5-C)

DESCRIPTION	NO.	WATTAGE	LOAD	WATTAGE	LOAD
SP#1, SP#2, SP#3	40	2 x 2.5	1R		
SP#4, SP#5	70	2 x 2.5	1Y		
SP#6, SP#7	60	2 x 2.5	1B		
SP#8, SP#9	60	2 x 2.5	2R		
SP#10, SP#11	60	2 x 2.5	2Y		
SP#12, SP#13	60	2 x 2.5	2B		
SP#14, SP#15	60	2 x 2.5	3Y		
SP#16	70	2 x 2.5	4R		
SP#17, SP#18	110	2 x 2.5	4Y		
SP#19, SP#20, SP#21	70	2 x 2.5	4B		

DISTRIBUTION SCHEDULE FOR EMERGENCY POWER DISTRIBUTION BOARD # 1 (EPDB#1)

LOCATION : 2500 WIDE CORRIDOR (GRID : 4-H)

DESCRIPTION	NO.	WATTAGE	LOAD	WATTAGE	LOAD
PH#1 (AC) IN LAB	180	2 x 4	1R		
PH#2 (AC) IN LAB	280	2 x 4	1Y		
PH#3 (AC) IN LAB	300	2 x 4	1B		
PH#4 (AC) IN LAB	300	2 x 4	2R		
PH#5 (AC) IN LAB	180	2 x 4	2Y		
PH#6 (AC) IN LAB	180	2 x 4	2B		
PH#7 (AC) IN LAB	180	2 x 4	3R		
PH#8 (AC) IN LAB	240	2 x 4	3Y		
PH#9 (AC) IN LAB	180	2 x 4	3B		
PH#10 (AC) IN LAB	180	2 x 4	4R		
PH#11 (AC) IN LAB	180	2 x 4	4Y		
PH#12 (AC) IN LAB	170	2 x 4	4B		

DISTRIBUTION SCHEDULE FOR LIGHTING PANEL # 2 (LP#2)

LOCATION : CORRIDOR (GRID : 5-G)

DESCRIPTION	NO.	WATTAGE	LOAD	WATTAGE	LOAD
SP#21 TO SP#25	40	2 x 2.5	1R		
SP#26 TO SP#30	40	2 x 2.5	1Y		
SP#31 TO SP#35	200	2 x 2.5	1B		
SP#36 TO SP#40	40	2 x 2.5	2R		
SP#41 TO SP#45	40	2 x 2.5	2Y		
SP#46 TO SP#50	40	2 x 2.5	2B		
SP#51 TO SP#55	40	2 x 2.5	3R		
SP#56 TO SP#60	70	2 x 2.5	3Y		
SP#61 TO SP#65	70	2 x 2.5	3B		

DISTRIBUTION SCHEDULE FOR EMERGENCY LIGHTING PANEL # 1 (ELP#1)

LOCATION : CORRIDOR (GRID : 5-G)

DESCRIPTION	NO.	WATTAGE	LOAD	WATTAGE	LOAD
EMER. L. 20	700	2 x 2.5	1B		
EMER. L. 21	1000	2 x 2.5	2R		
EMER. L. 22	800	2 x 2.5	2B		
EMER. L. 23	470	2 x 2.5	3R		
EMER. L. 24	280	2 x 2.5	3Y		
EMER. L. 25	500	2 x 2.5	3B		

DISTRIBUTION SCHEDULE FOR EMERGENCY POWER DISTRIBUTION BOARD # 2 (EPDB#2)

LOCATION : CORRIDOR (GRID : 5-G)

DESCRIPTION	NO.	WATTAGE	LOAD	WATTAGE	LOAD
PH#13 (AC) IN LAB	180	2 x 4	1R		
PH#14 (AC) IN LAB	280	2 x 4	1Y		
PH#15 (AC) IN LAB	300	2 x 4	1B		
PH#16 (AC) IN LAB	300	2 x 4	2R		
PH#17 (AC) IN LAB	180	2 x 4	2Y		
PH#18 (AC) IN LAB	180	2 x 4	2B		
PH#19 (AC) IN LAB	180	2 x 4	3R		
PH#20 (AC) IN LAB	240	2 x 4	3Y		
PH#21 (AC) IN LAB	180	2 x 4	3B		
PH#22 (AC) IN LAB	180	2 x 4	4R		
PH#23 (AC) IN LAB	180	2 x 4	4Y		
PH#24 (AC) IN LAB	170	2 x 4	4B		

DISTRIBUTION SCHEDULE FOR POWER DISTRIBUTION BOARD # 1 (PDB#1)

LOCATION : CORRIDOR (GRID : 5-C)

DESCRIPTION	NO.	WATTAGE	LOAD	WATTAGE	LOAD
PH#25 (AC) IN LAB	180	2 x 4	1R		
PH#26 (AC) IN LAB	280	2 x 4	1Y		
PH#27 (AC) IN LAB	300	2 x 4	1B		
PH#28 (AC) IN LAB	300	2 x 4	2R		
PH#29 (AC) IN LAB	180	2 x 4	2Y		
PH#30 (AC) IN LAB	180	2 x 4	2B		
PH#31 (AC) IN LAB	180	2 x 4	3R		
PH#32 (AC) IN LAB	240	2 x 4	3Y		
PH#33 (AC) IN LAB	180	2 x 4	3B		
PH#34 (AC) IN LAB	180	2 x 4	4R		
PH#35 (AC) IN LAB	180	2 x 4	4Y		
PH#36 (AC) IN LAB	170	2 x 4	4B		

DISTRIBUTION SCHEDULE FOR POWER DISTRIBUTION BOARD # 2 (PDB#2)

LOCATION : CORRIDOR (GRID : 5-G)

DESCRIPTION	NO.	WATTAGE	LOAD	WATTAGE	LOAD
PH#37 (AC) IN LAB	180	2 x 4	1R		
PH#38 (AC) IN LAB	280	2 x 4	1Y		
PH#39 (AC) IN LAB	300	2 x 4	1B		
PH#40 (AC) IN LAB	300	2 x 4	2R		
PH#41 (AC) IN LAB	180	2 x 4	2Y		
PH#42 (AC) IN LAB	180	2 x 4	2B		
PH#43 (AC) IN LAB	180	2 x 4	3R		
PH#44 (AC) IN LAB	240	2 x 4	3Y		
PH#45 (AC) IN LAB	180	2 x 4	3B		
PH#46 (AC) IN LAB	180	2 x 4	4R		
PH#47 (AC) IN LAB	180	2 x 4	4Y		
PH#48 (AC) IN LAB	170	2 x 4	4B		

AS-BUILT DRAWING

CONTRACTOR: MITSUBISHI KENETSU INDIA LIMITED  
 4-1/20, AIRPORT ROAD, NEW DELHI-110028, INDIA

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA

SWITCHBOX DETAILS AND DISTRIBUTION SCHEDULE OF LP#1,2, ELP#1, EPDB#1 AND PDB#1 & 2

SCALE: ---

YAMASHITA SEKKI INC.-NIHON SEKKI, INC. JAPAN

Daiichi Consultants And Engineers Ltd. New Delhi-110028, India

0114138-ELA-03 (SHEET-2 OF 2)

DATE: ---

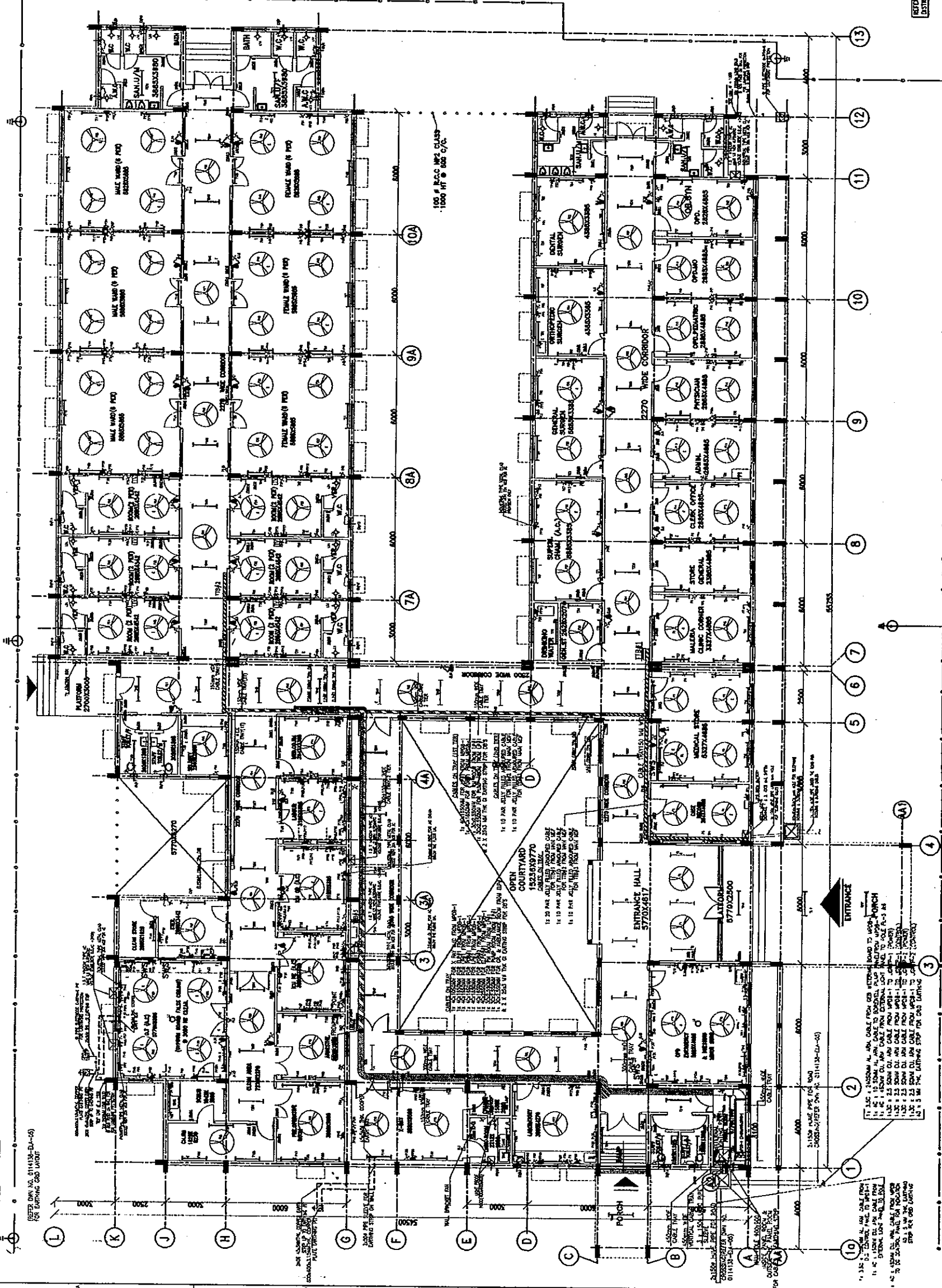
BY: ---

CHECKED: ---

APPROVED: ---

REVISIONS:

NO.	DATE	DESCRIPTION
1	---	LIGHTING, POWER, EARHING & GROUNDING PROTECTION LAYOUT
2	---	COMPLETION HEALTH CENTRE AT ANAR



**LEGEND**

SYMBOL	DESCRIPTION	QTY.
1	1 X 1 SW TUBE LIGHT FITTURE	277 NOS.
2	1200mm SWEP CEILING FAN	102 NOS.
3	BULK HEAD LAMP	25 NOS.
4	1A COMMERCIAL TYPE SWITCH SOCKET & PLUG POINT	129 NOS.
5	1/2" COMMERCIAL TYPE SWITCH SOCKET & PLUG POINT	79 NOS.
6	2" DIA. SPT INDUSTRIAL TYPE SWITCH SOCKET & PLUG POINT	12 NOS.
7	300MM DIA. EXHAUST FAN	24 NOS.
8	SWITCHBOARD	29 NOS.
9	EMERGENCY SWITCHBOARD	45 NOS.
10	TELEPHONE POINT	31 NOS.
11	EMERGENCY LIGHTING PANEL	1 NOS.
12	EMERGENCY POWER DISTRIBUTION BOARD	1 NOS.
13	POWER DISTRIBUTION BOARD	3 NOS.
14	TELEPHONE TAP BOX	3 NOS.
15	EMERGENCY LIGHT	30 NOS.
16	LAMP HOLDER	3 NOS.
17	CEILING POINT FOR D.T. LIGHT	2 NOS.
18	CEILING POINT WITH SWAMP SMALL PIPE TYPE ELECTRODE	2 NOS.
19	CEILING POINT WITH SWAMP SMALL PIPE TYPE ELECTRODE FOR LIGHTING DISTRIBUTION	2 NOS.
20	CEILING POINT WITH SWAMP SMALL PIPE TYPE ELECTRODE	8 NOS.
21	CEILING POINT WITH SWAMP SMALL PIPE TYPE ELECTRODE	2 NOS.
22	40MM X 5MM ELEVATING STOP	--
23	25MM X 8MM COPPER ELEVATING STOP	--
24	25MM X 8MM ALUMINUM STOP	--

- NOTES**
- 1) ALL DIMENSIONS ARE IN MILLIMETRES.
  - 2) DIMENSIONS ARE TO BE READ FROM THE FINISH AND NOT TO BE USED.
  - 3) LIGHTING FITTURES AND SWITCHES SHALL BE SUPPLIED BY 12 BAY COPPER WIRE RUNNING ALONG THE CONDUIT AND CONNECTED TO THE SEPARATE EARTH BUS.
  - 4) SWITCHES, SWITCHBOARDS, LIGHTING PANELS, ETC. SHALL BE MOUNTED IN SUCH A MANNER THAT THEIR BOTTOM SURFACE SHALL BE AT LEAST 1.80M ABOVE THE FINISHED FLOOR LEVEL.
  - 5) 1200MM SWEP CEILING FAN AND 300MM DIA. EXHAUST FAN SHALL BE MOUNTED 1.80M ABOVE THE FINISHED FLOOR LEVEL.
  - 6) LIGHTING OF WIRE/CABLES SHALL BE MADE FROM ABOVE TO BE COILED BUT WITH SWAMP SMALL PIPE TYPE ELECTRODE, AS SWAMP COPPER, PVC INSULATED, WPES, IN HEAVY GAUGE PVC CONDUIT.
  - 7) WIRING SHALL BE COLOUR CODED AND ONLY WIRES OF THE SAME PHASE SHALL RUN IN THE SAME CONDUIT.
  - 8) REFER STD. DGS NO. ETD-1-1 FOR G.I. PIPE TYPE ELECTRODE & ETD-2 FOR PIPE TYPE ELECTRODE.
  - 9) REFER STD. DGS NO. ETD-3 (PART 1 & 2) FOR POWER AND LIGHTING INSTALLATION NOTES.
  - 10) REFER STD. DGS NO. ETD-4 FOR DETAILS OF EQUIPMENT DURING WITH G. CONDUCTOR.
  - 11) ALL FINISHES SHALL BE AS PER THE ARCHITECT'S DRAWINGS.
  - 12) CONTRACTOR SHALL CO-ORDINATE EXISTING UTILITIES OF BUILDING WITH OTHER UTILITIES AS PER SITE CONVENIENCE CONDITIONS.
  - 13) EXISTING CONDUITORS / STOPS OUTSIDE BUILDING SHALL BE LAD AT A MINIMUM 1.80M ABOVE FINISHED GROUND LEVEL.
  - 14) EXISTING CONDUITORS / STOPS SHALL BE LAD IN 100MM DIA. RCP PIPES WHEREVER THEY CROSS ROADS OR DRAINS.
  - 15) ALL RCP PIPES SHALL BE SEALED PROPERLY WITH J-T OR FELT AND BRUSH BY THE ELECTRICAL CONTRACTOR AFTER LAYING OF THE CABLES.
  - 16) A MAJORITY OF THE FOLLOWING NOS. AND SIZES OF WIRES CAN BE TAKEN THROUGH EACH CONDUIT OF THE SIZES INDICATED (CONDUITS OF LESS THAN 19 MM DIA. SHALL NOT BE USED).
- | CONDUIT SIZE | MAXIMUM NOS. OF WIRES IN A CONDUIT |
|--------------|------------------------------------|
| 19           | 3                                  |
| 25           | 6                                  |
| 32           | 10                                 |
- 17) OUTDOOR COLLARS / RECEPTACLES SHOULD BE PROVIDED TO INTERFERE WITH FOR G.I. POWER & G.I. POWER SUPPLY.
- REFER DRAWING: ETD-1 (PART 1 & 2) FOR SWITCHBOARD DETAILS & ELEVATION; ETD-2 (PART 1 & 2) FOR SWITCHBOARD DETAILS & ELEVATION.

**GROUND FLOOR PLAN**

SCALE: 1 : 100

CONTRACTOR: MITSUBI KENETSU INDIA LIMITED  
 4-1/2A, SUDHAMA ENCLAVE, NEW DELHI-110028, INDIA

AS-BUILT DRAWING

THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA

LIGHTING, POWER & EARTHING AND LIGHTNING PROTECTION LAYOUT FOR G.F. PLAN, COMMUNITY HEALTH CENTRE, ANJAR

YAMASHITA SEKKI INC.-NIHON SEKKI, INC. JAPAN

Daiji Consultants And Engineers Ltd. Ahmedabad - India

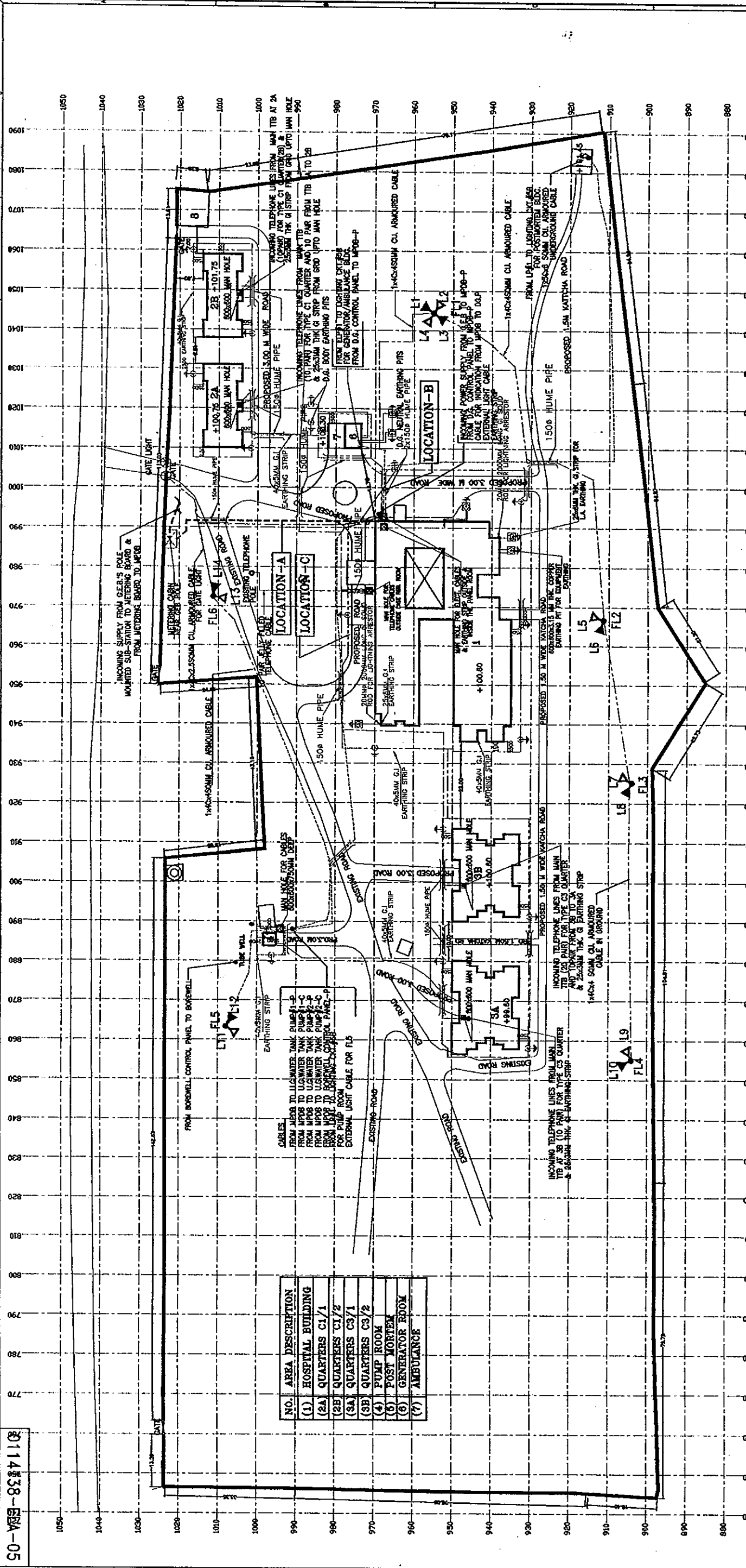
0114138-ELA-03 (SHEET-1 OF 2)

REV.	DATE	BY	CHK.	APP.	DESCRIPTION
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					

REVISIONS:

1. AS PER ARCHITECT'S DRAWING.
2. AS PER ARCHITECT'S DRAWING.
3. AS PER ARCHITECT'S DRAWING.
4. AS PER ARCHITECT'S DRAWING.
5. AS PER ARCHITECT'S DRAWING.
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11. AS PER ARCHITECT'S DRAWING.
12. AS PER ARCHITECT'S DRAWING.
13. AS PER ARCHITECT'S DRAWING.





NO.	SYMBOL	DESCRIPTION	QTY.
1	(Symbol)	150MM HIGH FLOOD LIGHT POLE WITH 2 NOS. OF 250W. HPSV FLOOD LIGHT FIXTURES	2 NOS.
2	(Symbol)	150MM HIGH FLOOD LIGHT POLE WITH 4 NOS. OF 250W. HPSV FLOOD LIGHT FIXTURES	4 NOS.
3	(Symbol)	BURIED CABLES	2 NOS.
4	(Symbol)	40 x 50mm GLASSING STRIP IN GROUND	2 NOS.
5	(Symbol)	24 x 6mm COPPER EARTHING STRIP	17 NOS.
6	(Symbol)	EARTHING PIT WITH 30MM DIA. GL. PIPE TYPE ELECTRODE FOR LIGHTNING PROTECTION	2 NOS.
7	(Symbol)	EARTHING PIT WITH 30MM DIA. GL. PIPE TYPE ELECTRODE FOR LIGHTNING PROTECTION	2 NOS.
8	(Symbol)	EARTHING PIT WITH 30MM DIA. GL. PIPE TYPE ELECTRODE FOR LIGHTNING PROTECTION	2 NOS.
9	(Symbol)	EARTHING PIT WITH 30MM DIA. GL. PIPE TYPE ELECTRODE FOR LIGHTNING PROTECTION	2 NOS.
10	(Symbol)	EARTHING PIT WITH 30MM DIA. GL. PIPE TYPE ELECTRODE FOR LIGHTNING PROTECTION	2 NOS.
11	(Symbol)	1 x 250W HPSV/SYSTEMIC BEAM FLOODLIGHT FIXTURES	7 NOS.
12	(Symbol)	1 x 250W HPSV/SYSTEMIC BEAM FLOODLIGHT FIXTURES	7 NOS.
13	(Symbol)	TELEPHONE CABLES	7 NOS.

**LEGEND**

**DETAILS OF CABLE ROUTING**

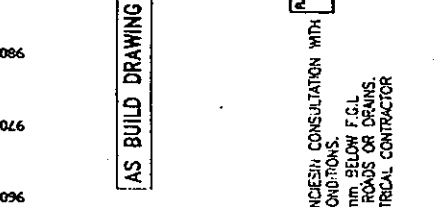
**LOCATION - A**  
INCOMING POWER SUPPLY FROM G.E.B TO MP08-P FROM GEB METERING BOARD TO EXTERNAL LIGHT CABLE TO POLE FL6

**LOCATION - B**  
FROM D.G. CONTROL PANEL TO MP08-P AREA LIGHTING CABLE CABLE TO CONNECTION FOR D.C. PANEL

**LOCATION - C**  
FROM MP08 TO U.G. WATER TANK PUMP#1-P FROM MP08 TO U.G. WATER TANK PUMP#1-C FROM MP08 TO U.G. WATER TANK PUMP#2-P FROM MP08 TO U.G. WATER TANK PUMP#2-C FROM MP08 TO BOREWELL CONTROL PANEL-P AREA LIGHTING CABLE FROM MP08 TO LIGHTING CRT#68 FOR PUMP ROOM EARTHING STRIP

**NOTES**

- 1) ALL DIMENSIONS ARE TO BE READ AND NOT TO BE MEASURED.
- 2) CONTRACTOR SHOULD CHECK FOR THE COMPACTNESS OF THE EARTH AT THE SOIL FILLED AREA PRIOR TO INSTALLING STREET LIGHT POLES.
- 3) ALL STREET LIGHTING BE BORED IN BERM AREA AT 600mm BELOW FINISH ROAD LEVEL.
- 4) REFER STANDARD SPECIFICATION ETD-2-2 FOR GENERAL NOTES ON LIGHTING.
- 5) ALL RCC PIPE SLEEVES SHALL BE SEALED PROPERLY BY THE CONTRACTOR WITH JUTE OR FELT & SEALING COMPOUND LIKE BITUMEN, AFTER LAYING OF THE CABLES.
- 6) CABLE SHALL BE LAID IN 150mm DIA. RCC PIPES WHEREVER THEY CROSS ROADS OF DRAINS.
- 7) ALL THE STREET LIGHT POLES SHALL BE INSTALLED 3000mm AWAY FROM THE ROAD SIDE.
- 8) REFER STD. DRG. NO. ETD-C-2 FOR CABLE BURIED IN THE GROUND.
- 9) REFER STD. DRG. NO. ETD-2-3 (SHEET 1 & 2) FOR POWER AND EARTHING INSTALLATION NOTES.
- 10) REFER STD. DRG. NO. ETD-3-2/3 FOR DETAILS OF EQUIPMENT EARTHING WITH G.I. CONDUCTOR.
- 11) ALL EARTHING STRIPS SHALL BE KEPT MIN 2000mm AWAY FROM THE BUILDING.
- 12) CONTRACTOR SHALL CO-ORDINATE EXCAVATION ACTIVITIES OF EARTHING INSTALLATION WITH OTHER AGENCIES CONSULTATION WITH OWNER'S SITE INCHARGE. EARTHING STATIONS TO BE SUITABLY LOCATED AS PER SITE CONVENIENCE/CONDITIONS.
- 13) EARTHING CONDUCTORS / STRIPS OUTSIDE BUILDINGS SHALL BE LAID AT A MINIMUM DEPTH OF 500mm BELOW F.G.L.
- 14) EARTHING CONDUCTORS / STRIPS SHALL BE LAID IN 100mm DIA. RCC PIPES WHEREVER THEY CROSS ROADS OR DRAINS.
- 15) ALL RCC PIPE SLEEVES SHALL BE SEALED PROPERLY WITH JUTE OR FELT AND BITUMEN BY THE ELECTRICAL CONTRACTOR AFTER LAYING OF THE CABLES.
- 16) A MAXIMUM OF THE FOLLOWING NOS. AND SIZES OF WIRES CAN BE TAKEN THROUGH EACH CONDUIT OF THE SIZES INDICATED. (CONDUITS OF LESS THAN 19 MM DIA. SHALL NOT BE USED).
- 17) REFER STD. DRG. NO. ETD-1-17 FOR FLOOD LIGHT POLE INSTALLATION.



**AS BUILT DRAWING**

**CONTROL SCHEME FOR AREA LIGHTING PANEL**

**CONTRACTOR**  
MITSUBI KENSETSU INDIA LIMITED  
A-1/2A, SARVAMANGALAVILAS, NEW DELHI-110028, INDIA

**SCALE**: 1:500

**AS - BUILT DRAWING**

**THE RECONSTRUCTION SUPPORT FOR THE GUJARAT EARTHQUAKE DISASTER IN THE DEVASTATED AREAS IN INDIA**

**AREA LIGHTING & OVERALL POWER EARTHING COMMUNITY HEALTH CENTRE AT ANJAR.**

**YAMASHITA SEKKI INC.-NIHOY SEKKI, INC.**

**Dalal Consultants And Engineers Ltd. Ahmedabad - India**

**011438-ELA-05**

**APR-01** PLOT PLAN COMMUNITY HEALTH CENTRE AT ANJAR.

**DATE** BY CHK. DATE BY CHK. DATE BY CHK. DATE BY CHK.

**REVISIONS**

**NO.** **DATE** **BY** **CHK.** **DESCRIPTION**

