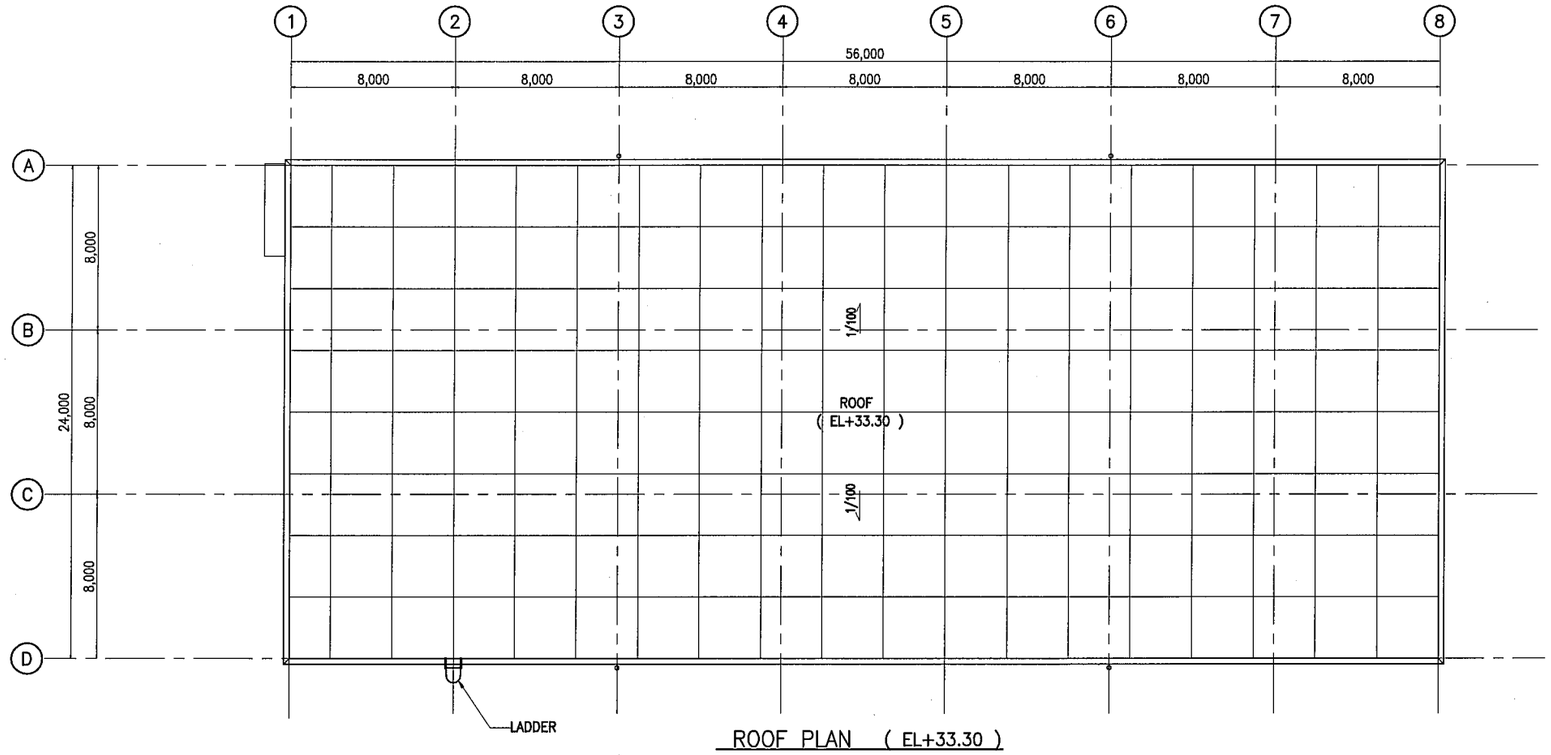
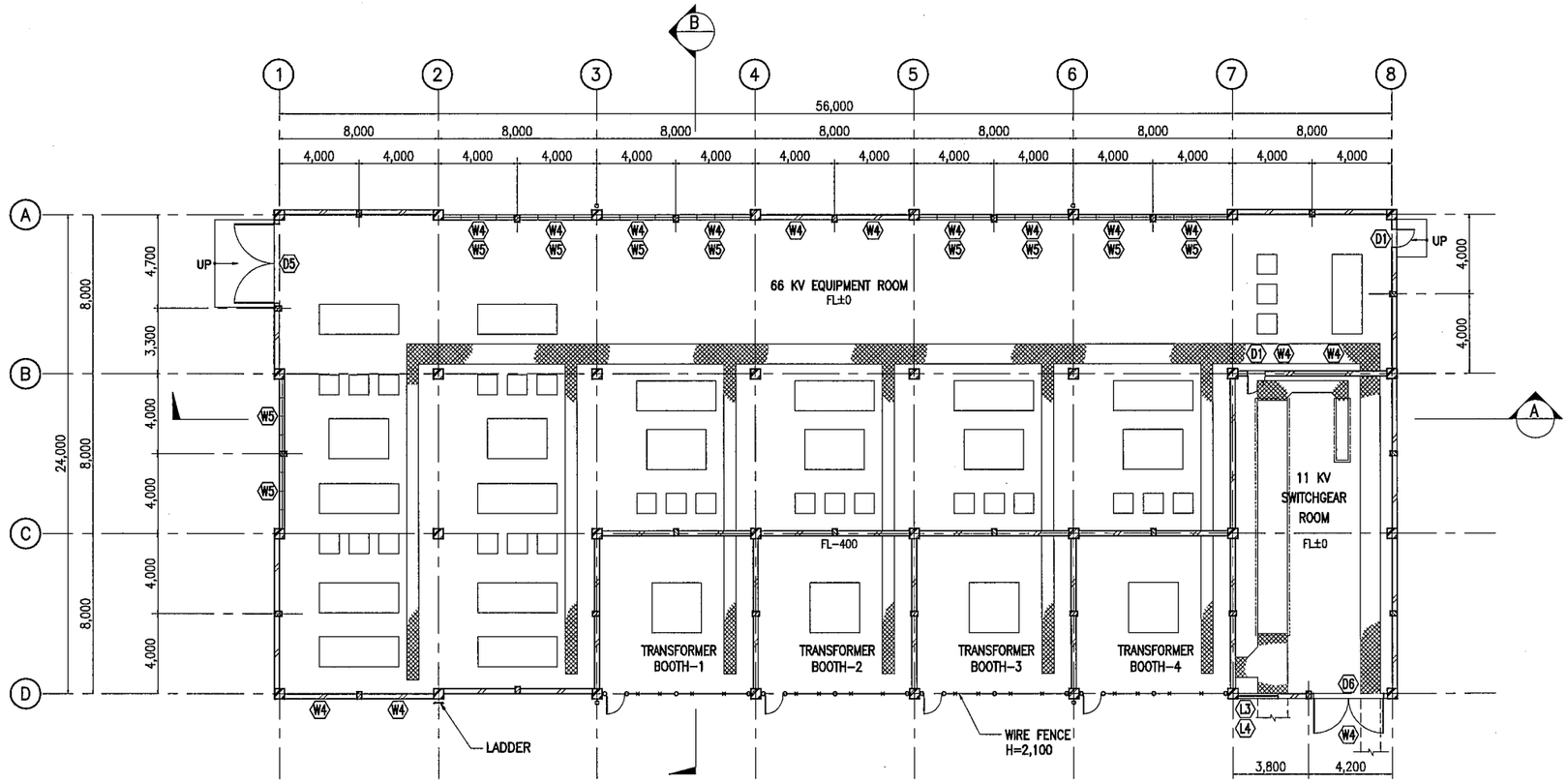


ROOF PLAN (EL+33.30)



GROUND FLOOR PLAN (EL+25.30)

0 5 10 15m

SCALE 1:300

THE ARAB REPUBLIC OF EGYPT
MINISTRY OF WATER RESOURCES AND IRRIGATION
NORTH SINAI DEVELOPMENT ORGANIZATION

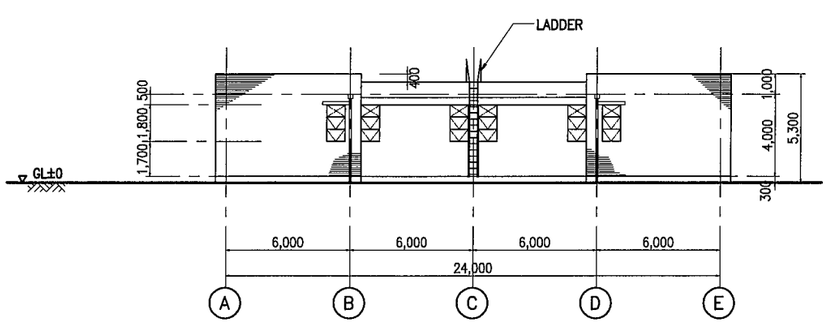
THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT (PHASE III)

CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
MAIN POWER SUBSTATION (FOR EL SALAAM No. 7 P.S.)

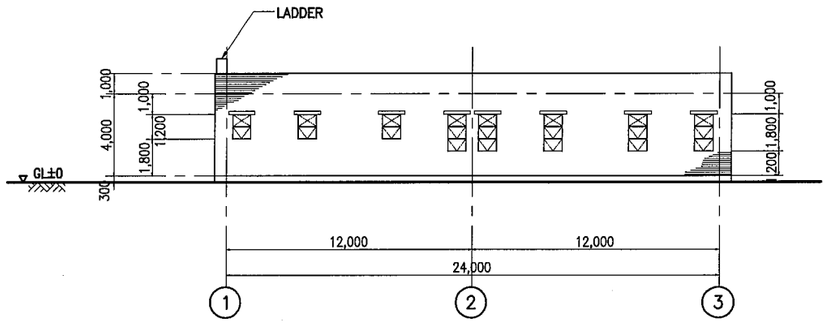
MAIN SUBSTATION
GROUND FLOOR AND ROOF PLANS

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIONAL

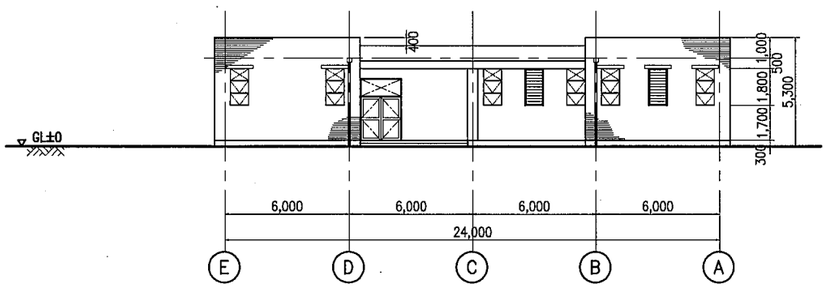
DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	SBM-404



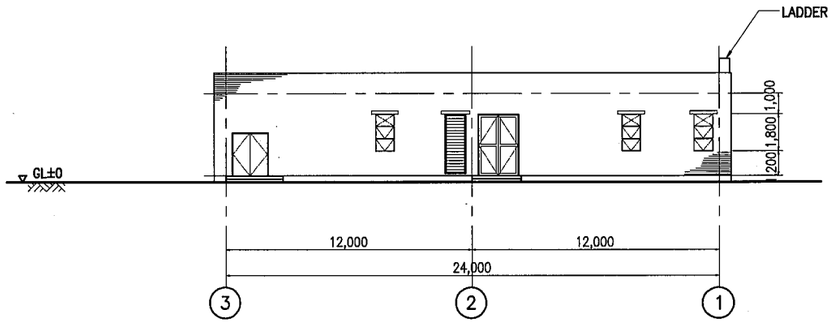
WEST ELEVATION



SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION

0 5 10 15m

SCALE 1:300

THE ARAB REPUBLIC OF EGYPT
MINISTRY OF WATER RESOURCES AND IRRIGATION
NORTH SINAI DEVELOPMENT ORGANIZATION

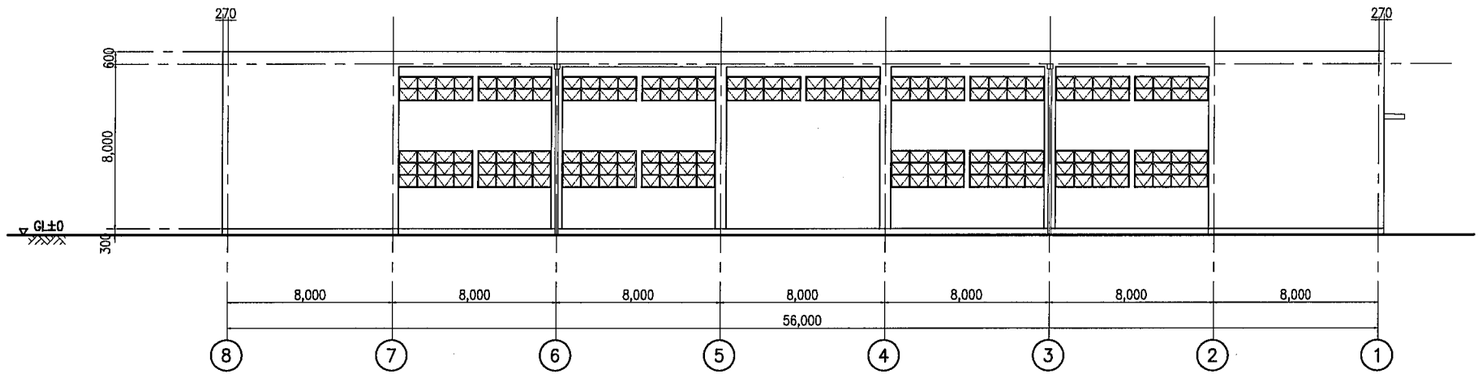
THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT (PHASE III)

CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
MAIN POWER SUBSTATION (FOR EL SALAAM No.7 P.S.)

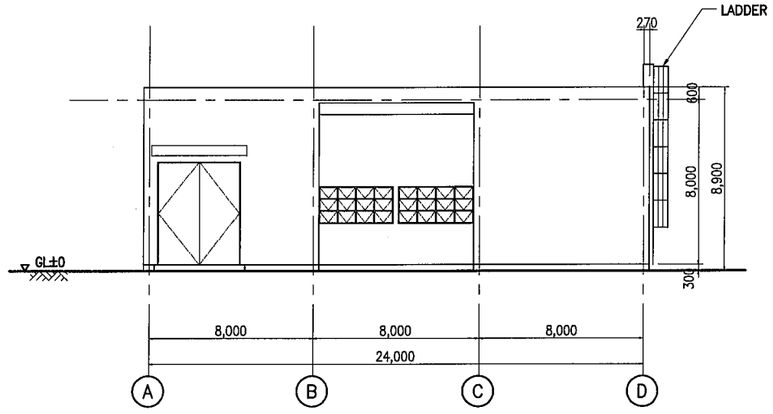
ADMINISTRATION BUILDING
ELEVATIONS

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIONAL

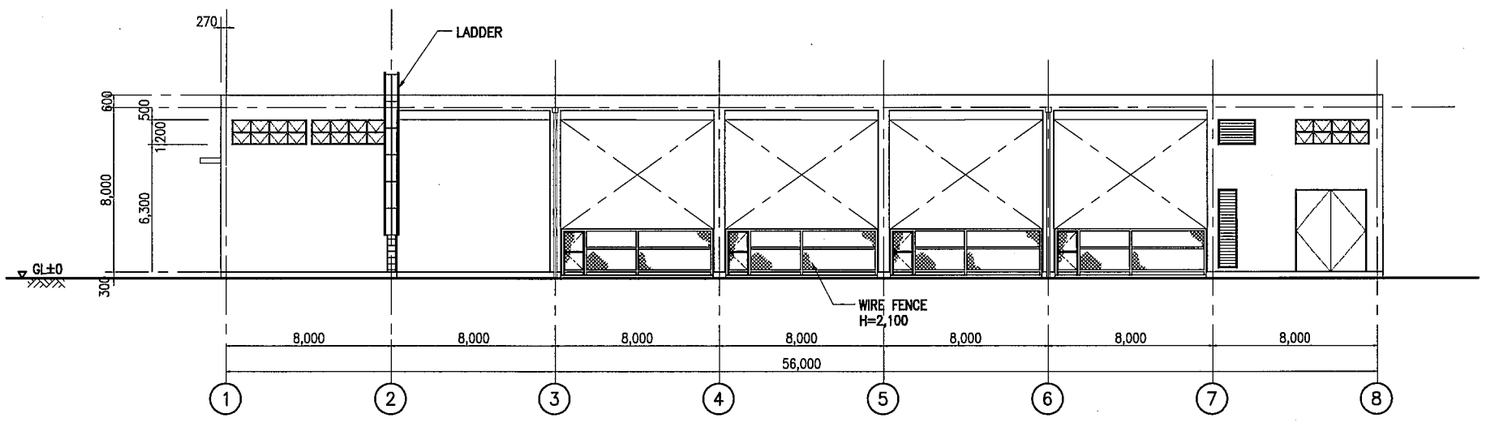
DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	SBW-405



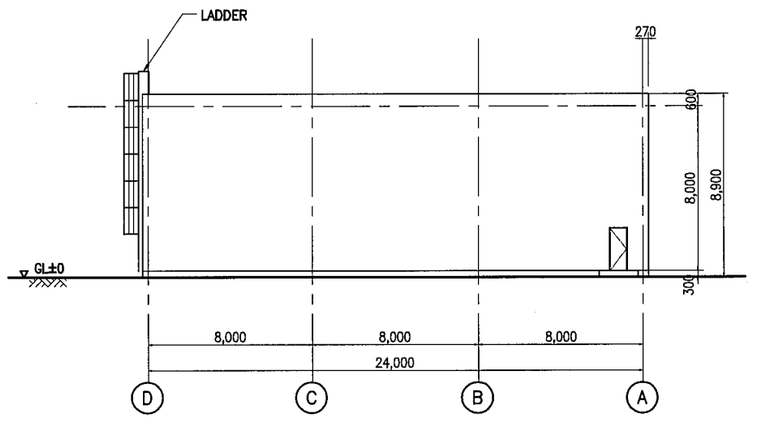
NORTH ELEVATION



WEST ELEVATION



SOUTH ELEVATION



EAST ELEVATION

0 5 10 15m

SCALE 1:300

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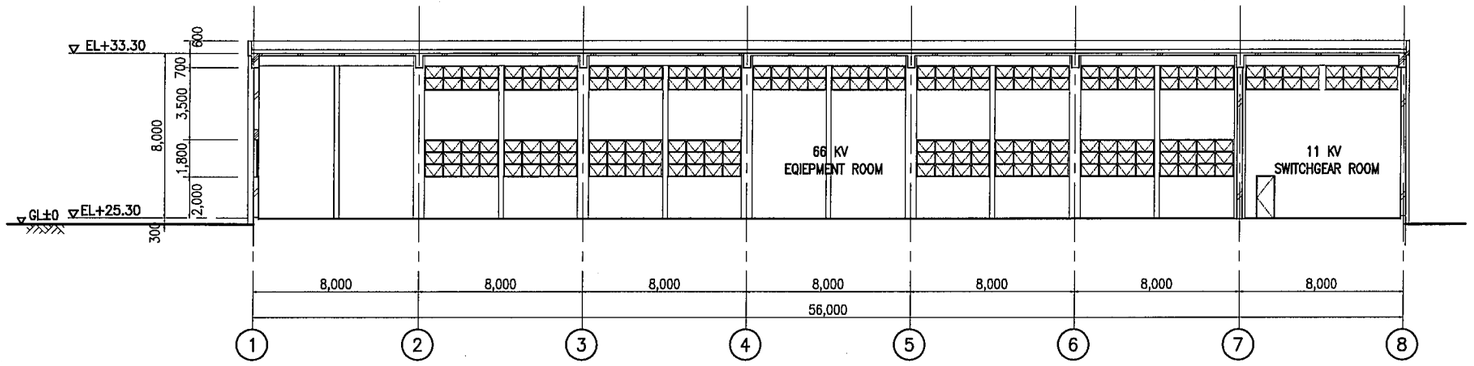
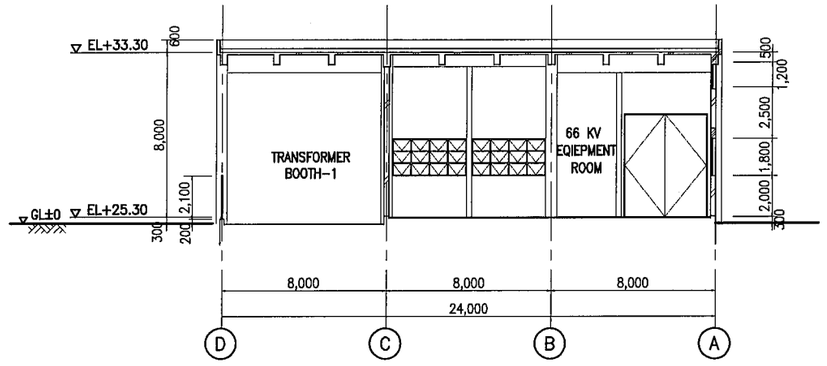
MAIN SUBSTATION
ELEVATIONS

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	SBW-406

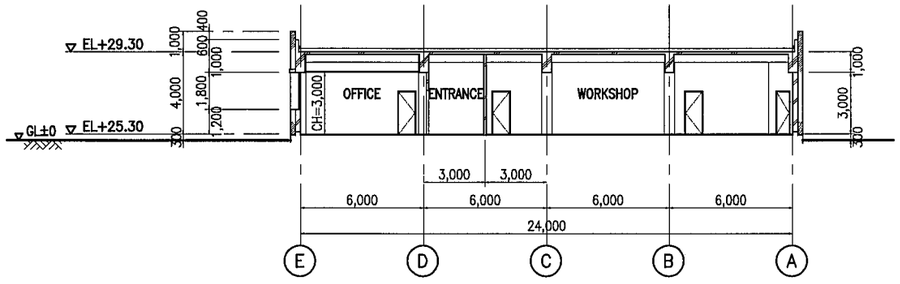


A SECTION

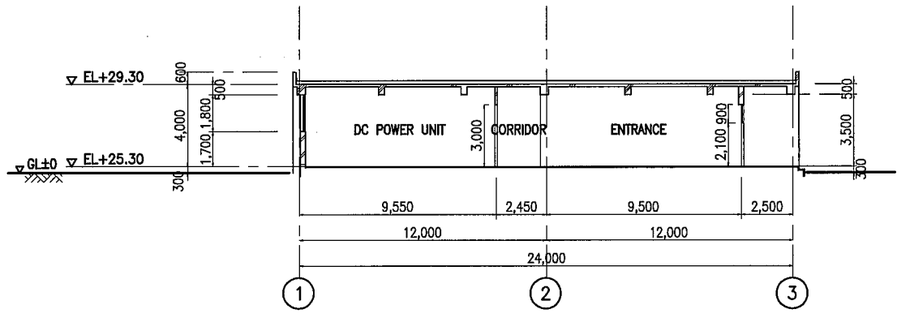


B SECTION

MAIN SUBSTATION



A SECTION



B SECTION

ADMINISTRATION BUILDING

0 5 10 15m

SCALE 1:300

THE ARAB REPUBLIC OF EGYPT
MINISTRY OF WATER RESOURCES AND IRRIGATION
NORTH SINAI DEVELOPMENT ORGANIZATION

THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT (PHASE III)

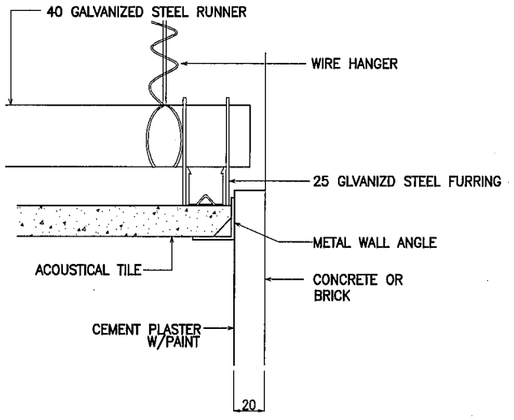
CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
MAIN POWER SUBSTATION (FOR EL SALAAM No.7 P.S.)

MAIN SUBSTATION & ADMINISTRATION BUILDING
SECTIONS

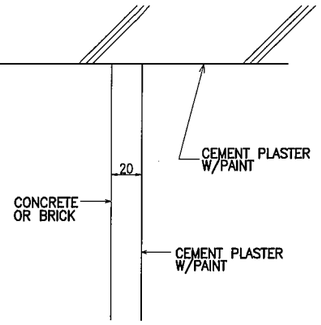
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	SBW-407

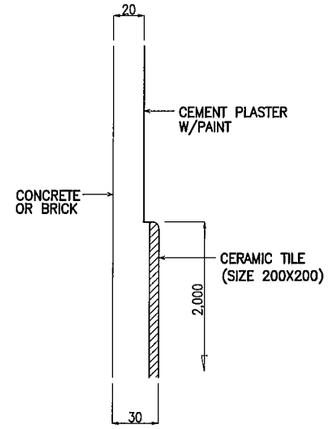
CEILNG:CEILNG TILE — SCALE 1:4



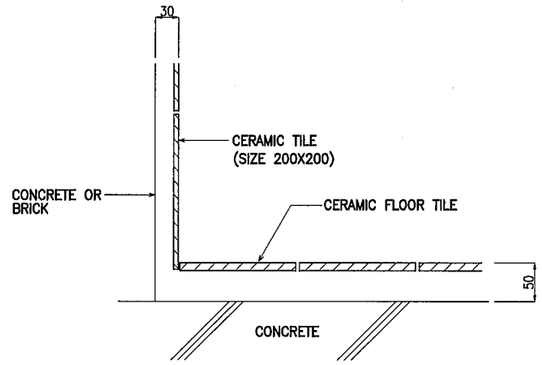
CELING:EXPOSED — SCALE 1:4



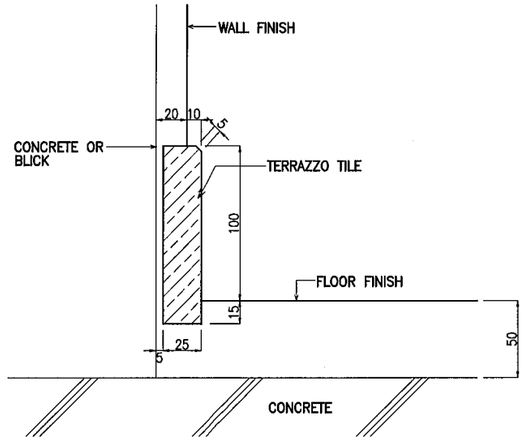
WALL:CEMENT PLASTER AND CERAMIC TILE — SCALE 1:4



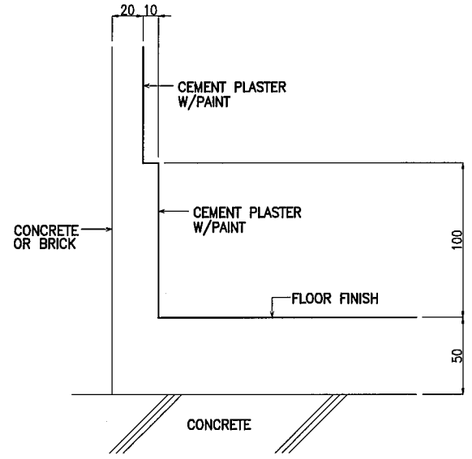
BASE:CERAMIC WALL TILE (GRAND FLOOR) — SCALE 1:8



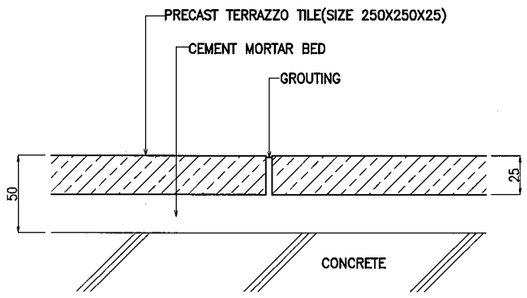
BASE:TERRAZZO TILE — SCALE 1:4



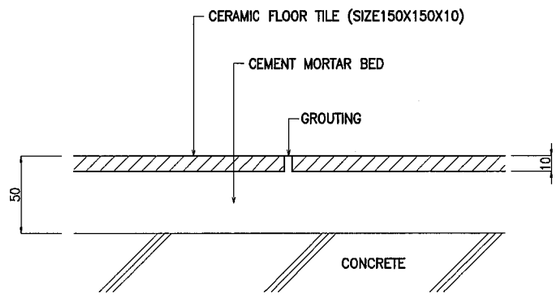
BASE:CEMENT MORTAR STEEL TROWEL — SCALE 1:4



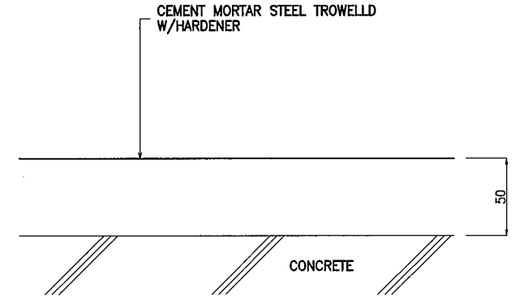
FLOOR:TERRAZZO TILE — SCALE 1:4



FLOOR:CERAMIC FLOOR TILE — SCALE 1:4



FLOOR:STEEL TROWELLED W/HARDENER — SCALE 1:4



THE ARAB REPUBLIC OF EGYPT
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THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT (PHASE III)

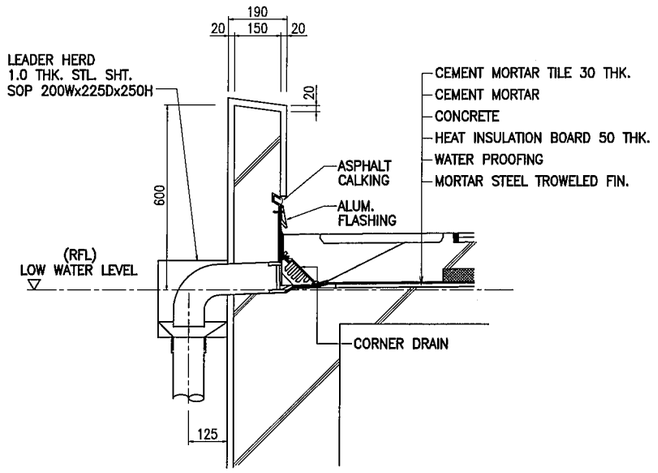
CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
MAIN POWER SUBSTATION (FOR EL SALAAM No.7 P.S.)

MAIN SUBSTATION & ADMINISTRATION BUILDING
STANDARD DETAILS (1/2)

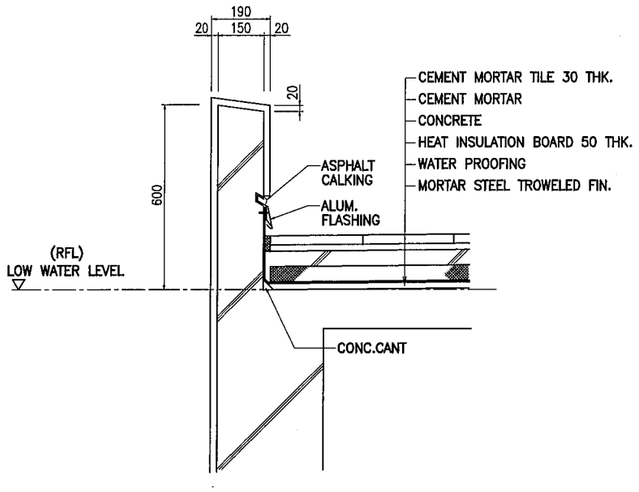
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	SBW-408

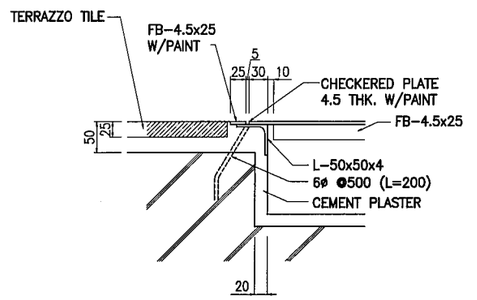
ROOF-1 SCALE 1:20



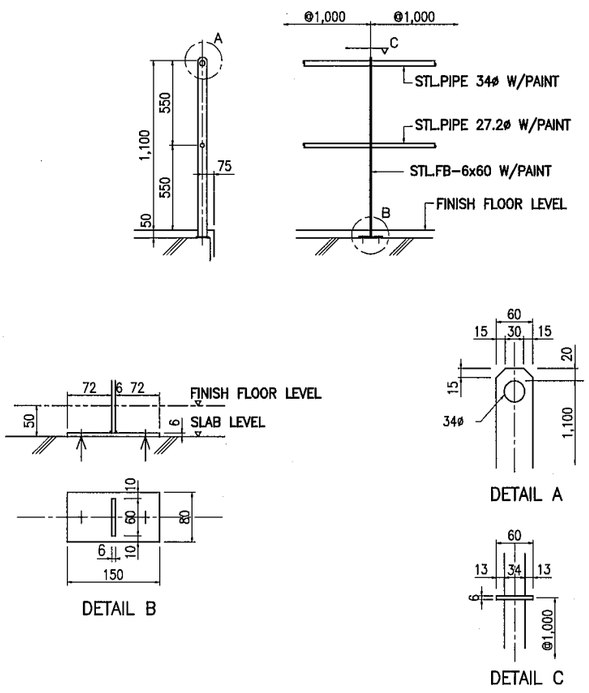
ROOF-2 SCALE 1:20



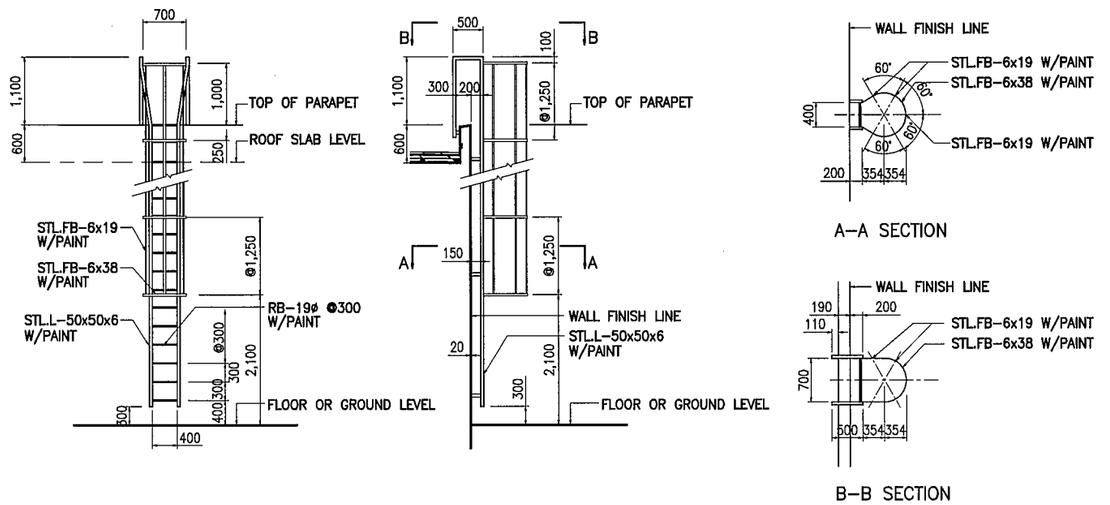
CHECKERED PLATE COVER SCALE 1:10



HANDRAIL SCALE 1:40,1:10



LADDER SCALE 1:100



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MAIN POWER SUBSTATION (FOR EL SALAAM No. 7 P.S.)

MAIN SUBSTATION & ADMINISTRATION BUILDING
STANDARD DETAILS (2/2)

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	
TRACED	
CHECKED	
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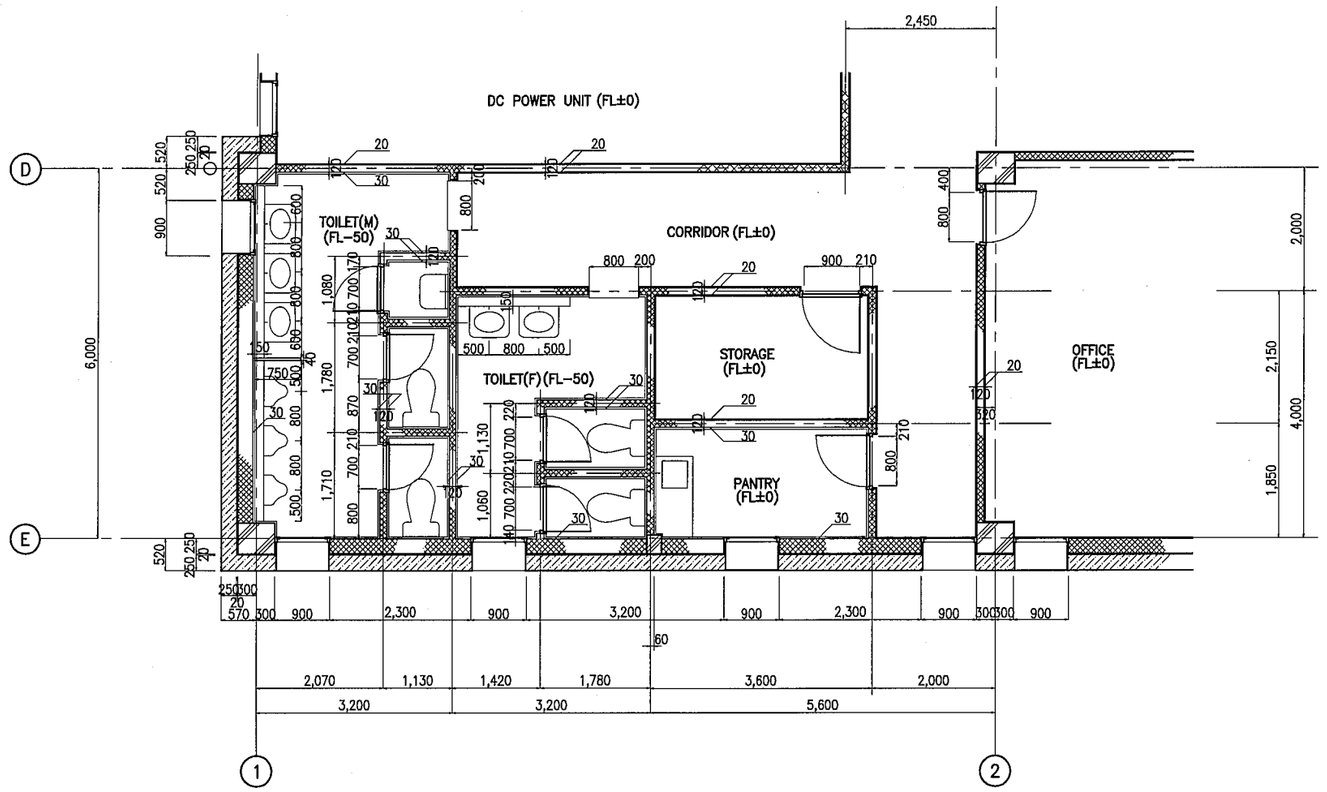
DRAWING NO.	SBW-409



TOILET DETAIL PLAN

LEGEND:

CEMENT BRICK (WALL)

SCALE 1:100

THE ARAB REPUBLIC OF EGYPT
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CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
MAIN POWER SUBSTATION (FOR EL SALAAM No. 7 P.S.)

ADMINISTRATION BUILDING
DETAIL

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	SBW-410

1–GENERAL : –

1 – ALL STRUCTURAL DRAWINGS SHOULD BE READ IN CONJUCTION WITH SPECIFICATIONS, ARCHITECTUAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.

2 – ALL DIMENSIONS SHOULD BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION.

3 – DO NOT SCALE. USE WRITTEN DIMENSIONS.

4 – ALL OPENINGS SHALL BE FORMED OR SLEEVED BEFORE PLACING CONCRETE.

5 – NO OPENINGS OR SLEEVES SHALL BE PLACED IN BEAMS OR COLUMNS EXCEPT AS INDICATED ON THE STRUCTURAL DRAWINGS.

6 – PROVIDE ALL NECESSARY INSERTS, CLIPS, ANCHORS, TIES AND OTHER FASTENING DEVICES AS REQUIRED TO BE CAST INTO CONCRETE.

7 – PROVIDE 20 mm CHAMFER AT CORNERS OF ALL CONCRETE BEAMS, WALLS AND SQUARE COLUMNS EXPOSED IN THE COMPLETED WORK, UNLESS OTHERWISE INDICATED.

8 – INDIVIDUAL PANELS OF CONCRETE SLAB ON GRADE SHALL BE BOUNDED BY CONTROL OR CONSTRUCTION JOINTS LOCATED ON COLUMN CENTERLINES AND AT INTERMEDIATE LOCATIONS AS REQUIRED AT A MAXIMUM SPACING OF 3600 MM IN EACH DIRECTION. LOCATE JOINTS SO THAT ALL COLUMNS OCCUR ON EDGES OF PANELS. PROVIDE EXPANSION JOINTS IN SLAB ON GRADE MATCHING LOCATION OF EXPANSION JOINTS ON STRUCTURAL SLAB AND BEAMS ABOVE.

9 – ALL DIMENSIONS ARE IN MILLIMETERS AND ALL ELEVATIONS ARE IN METERS UNLESS OTHERWISE NOTED.

10 – FINISHES TO ALL EXPOSED FORMED SURFACES ARE CONSIDERED TO BE OF GREAT IMPORTANCE. THE CONTRACTOR SHALL DEMONSTRATE BEFORE COMMENCEMENT OF WORK THAT EACH TYPE OF SPECIFIED FINISH CAN BE CONSISTENTLY ACHIEVED.

11 – ALL FOOTINGS SHALL BE PLACED ON THE SOIL OF NET ALLOWABLE BEARING CAPACITY NOT LESS THAN 2.00 KPa (UNLESS OTHERWISE NOTED) AND SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
BEARING CAPACITY AND OTHER SOIL DATA SHALL BE VERIFIED BY THE CONTRACTOR BY CONDUCTING SUB–SOIL INVESTIGATION AT SITE UNDER THE SUPERVISION OF A QUALIFIED GEOTECHNICAL ENGINEER.

12 – DO NOT EXCAVATE BELOW THE ELEVATION OF ANY COMPLETED FOOTING ANY CLOSER TO THE FOOTING THAN A SLOPE OF 2 HORIZONTAL (MEASURED FROM EDGE OF FOOTING TO ANY POINT IN THE EXCAVATION) TO 1 VERTICAL.

13 – UNLESS OTHERWISE SHOWN, BAR BENDS, LAP SPLICES AND REINFORCEMENT DETAILS SHALL CONFORM TO E.S.S.

14 – ALL MATERIALS, WORKMANSHIP, WELDING AND TESTS SHALL CONFORM TO E.S.S.

15 – CONSTRUCTION JOINTS IN FLOORS SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF SPANS OF SLABS, BEAMS AND GIRDERS. CONSTRUCTION JOINTS IN GIRDERS SHALL BE OFFSET A MINIMUM DISTANCE OF TWO TIMES THE WIDTH OF INTERSECTING BEAMS.

16 – SURFACE OF CONCRETE CONSTRUCTION JOINTS SHALL BE CLEANED AND LAITANCE REMOVED.

17 – CONSTRUCTION JOINTS SHALL BE SO MADE AND LOCATED AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE.

18 – FOR STRUCTURAL STEEL ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS IN ACCORDANCE WITH E.S.S. STANDARDS. ALL WELDING SHALL BE DONE ON SURFACES FREE OF PAINT.

19 – CONTRACTOR SHALL SUBMIT FOR APPROVAL SHOP DRAWINGS SHOWING PROPOSED CONSTRUCTION JOINT LAYOUT BEFORE CONSTRUCTION.

2–DESIGN CRITERIA : –

2.1 DESIGN REFERENCES : –

– EGYPTIAN CODE OF PRACTICE E.S.S.

2.2 DESIGN LOADS : –

– THE DESIGN METHOD FOR ALL BUILDINGS SHALL BE " ULTIMATE STRENGTH DESIGN " AND ULTIMATE LOAD " U " SHOULD BE TAKEN FROM E.S.S.

a) DEAD LOADS : –
- WEIGHT OF REINFORCED CONCRETE----------2500 kg/m³
- WEIGHT OF STEEL----------7850 kg/m³
- CONCRETE FINISH TOPPING----------2200 kg/m³
- HANGING LOAD (CEILING, MECH., ELEC., ETC.)------- 75 kg/m²

- SOLID BLOCK----------1900 kg/m³
- MORTAR----------2100 kg/m³
- MARBLE----------2700 kg/m³

b) LIVE LOAD : –

b.1– ROOFS
- ACCESSIBLE----------200 kg/m²
- INACCESSIBLE----------100 kg/m²

b.2– FLOORS
- CORRIDORS----------400 kg/m²
- OFFICE AREA----------300 kg/m²
- STAIRS----------500 kg/m²
- LABORATORIES----------400 kg/m²
- MECHANICAL ROOMS----------VARIABLE
- TOILET ROOMS----------300 kg/m²
- STORAGE AREA----------1000 kg/m²

c) WIND LOAD : –
- AS PER E.S.S.

d) SEISMIC LOADS : –
- AS PER E.S.S.
- SEISMIC ZONE 2

3– CONSTRUCTION MATERIALS : –

3.1 – CONCRETE : (NORMAL WEIGHT)

MINIMUM 28 DAYS CUBE COMPRESSIVE STRENGTH (Fcu) SHALL BE AS FOLLOWS.

a) CAST IN PLACE :
- FOUNDATION, SLAB ON GRADE (SLAB ON METAL DECK, TOPPING)----------Fcu = 275 kg/cm²
- GRADE BEAMS, COLUMNS, WALLS, BEAMS, SLABS--Fcu = 300 kg/cm²
- ALL OTHER CONCRETE----------Fcu = 300 kg/cm²
- PLAIN CONCRETE----------Fcu = 180 kg/cm²

3.2 – CEMENT :

CEMENT SHALL CONFORM TO E.S.S.
THE WATER CEMENT RATIO SHALL NOT EXCEED 0.45.
FOR ALL CONCRETE IN CONTACT WITH SOIL USE SULPHATE RESISTING CEMENT.
FOR ALL CONCRETE ABOVE GROUND LEVEL, USE ORDINARY PORTLAND CEMENT TYPE (I)

3.3 – REINFORCING STEEL :

NORMAL MILD STEEL	24/35	Fy = 2400 kg/cm²
HIGH GRADE STEEL	36/52	Fy = 3600 kg/cm²

3.4 – STRUCTURAL STEEL :

– STEEL
UNLESS OTHERWISE SPECIFIED,
STRUCTURAL STEEL SHALL CONFORM TO JIS G3101 SS400, ASTM A36 OR EQUIVALENT.

– CONNECTION BOLT
CONNECTION BOLT FOR PRIMARY MEMBERS SHALL BE HIGH STRENGTH BOLT CONFORMING TO JIS B1186 F10T, ASTM A325F OR EQUIVALENT.

CONNECTION BOLT FOR SECONDARY MEMBERS SHALL BE ORDINARY BOLT CONFORMING TO JIS G3101 SS400, ASTM A36 OR EQUIVALENT.

ANCHOR BOLT SHALL CONFORM TO JIS G3101 SS400, ASTM A36 OR EQUIVALENT.
NUT : JIS B1181
WASHER : JIS B1256

– A SAMPLE FROM ALL THE MATERIALS USED SHALL BE APPROVED BY THE ENGINEER BEFORE CONSTRUCTION.
– STEEL DRAWINGS SHOULD BE CHECKED BY THE CONTRACTOR BEFORE FABRICATION.

4– CONCRETE COVER FOR REINFORCEMENT. : –

CONCRETE COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS :

A) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH (FOUNDATIONS) -------50 mm

B) ALL OTHER CONCRETE ABOVE G.L.
- SLAB AND WALLS ----------15 mm
- BEAMS AND COLUMNS ----------25 mm
- SHELLS AND DOMES ----------15 mm

5– DEVELOPMENT LENGTH (Ld) AND LAP SPLICE LENGTH (Lp) FOR STEEL REINFORCEMENT :

UNLESS NOTED OTHERWISE ON THE DRAWINGS MINIMUM DEVELOPMENT LENGTH (Ld) AND LAP SPLICE (Lp) SHALL BE AS FOLLOWS :

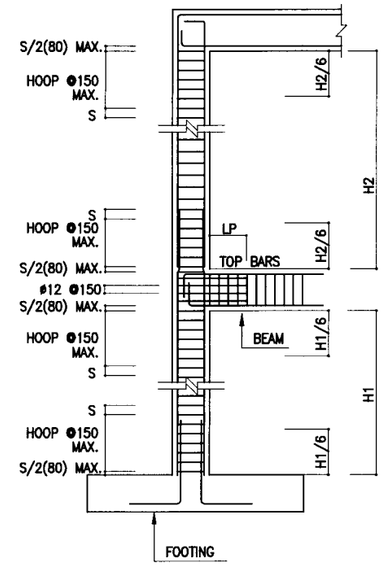
BAR DIAMETER mm.	8	10	12	14	16	18	20	22	25	28	32
DEVELOPMENT LENGTH Ld (mm) Fcu = 300 kg/cm²	350	350	350	400	450	500	550	600	800	1000	1200
LAP SPLICE LENGTH Lp (mm) (TENSION BARS) Fcu = 300 kg/cm²	400	400	550	650	700	800	850	1000	1300	1700	2100
LAP SPLICE LENGTH Lp (mm) (COMPRESSION BARS) Fcu = 300kg/cm²	350	350	400	450	500	550	600	700	800	900	1000

NOTES :

1 – FOR TOP BARS ALL TENSION SPLICE LENGTHS MENTIONED ABOVE SHALL BE MULTIPLIED BY 1.30. TOP BARS ARE ANY HORIZONTAL BARS PLACED SO THAT MORE THAN 300 mm OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT.
2 – UNLESS OTHERWISE MENTIONED TENSION LAP SPLICE LENGTH (Lp) SHALL BE USED AT :
- COLUMN TO FOOTING JUNCTION CONNECTED WITH GRADE BEAM.
- COLUMNS IN UPPER FLOORS.
- RETAINING WALLS TO FOOTING JUNCTION.

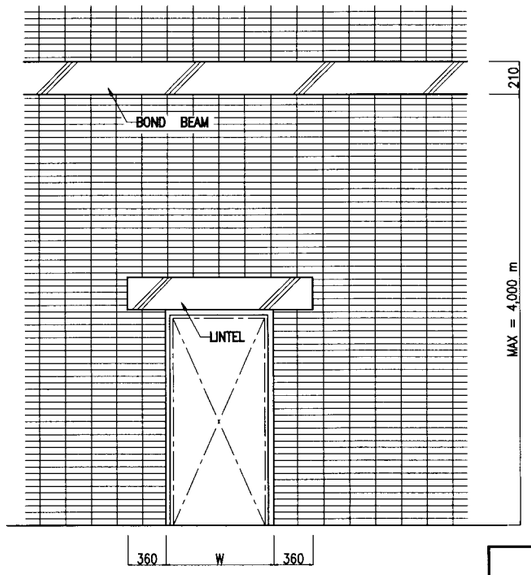
3 – AT COLUMN TO FOOTING JUNCTION WITHOUT GRADE BEAM, COMPRESSION LAP SPLICE LENGTH (Lp) SHALL BE USED.

6–TYPICAL SEISMIC–RESISTANT DETAILS FOR EXTERIOR COLUMNS AND BEAMS CONNECTIONS



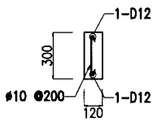
NOTE :
FOR SPACING (S) AND TIE DIAMETER, SEE MEMBER SCHEDULE.

7–LINTEL FOR CEMENT BRICK

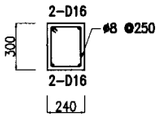


BOND BEAM

IN CASE WALL THICKNESS = 120mm



IN CASE WALL THICKNESS = 240mm



LINTEL

IN CASE WALL THICKNESS = 120mm

IN CASE WALL THICKNESS = 240mm

	MAIN BAR
W ≤ 1.0 m	2–D12
1 < W ≤ 2	2–D16
2 < W ≤ 3.0 m	2–D22

THE ARAB REPUBLIC OF EGYPT
MINISTRY OF WATER RESOURCES AND IRRIGATION
NORTH SINAI DEVELOPMENT ORGANIZATION

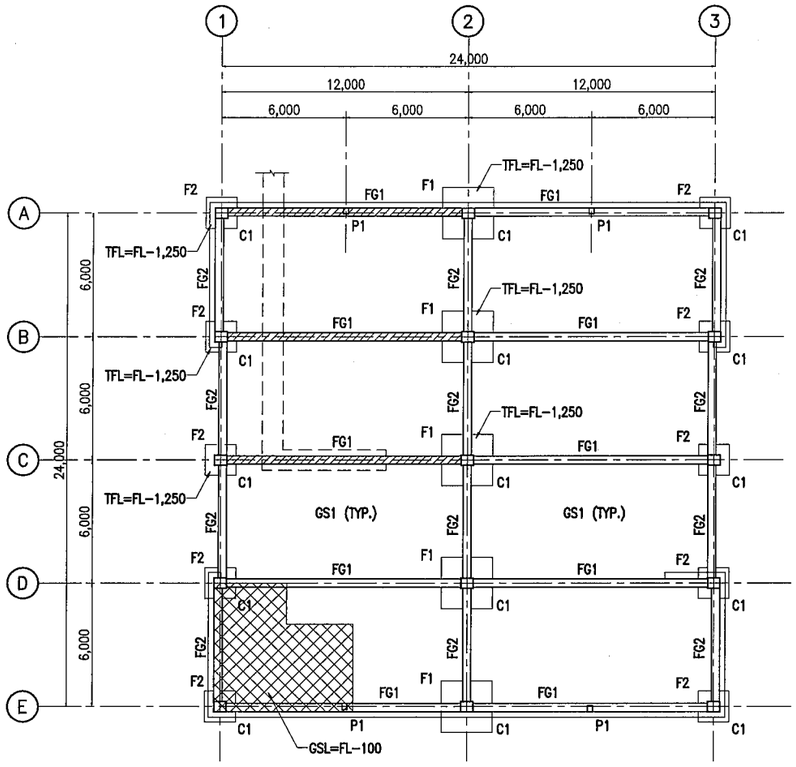
THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT (PHASE III)

CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
MAIN POWER SUBSTATION (FOR EL SALAAM No. 7 P.S.)

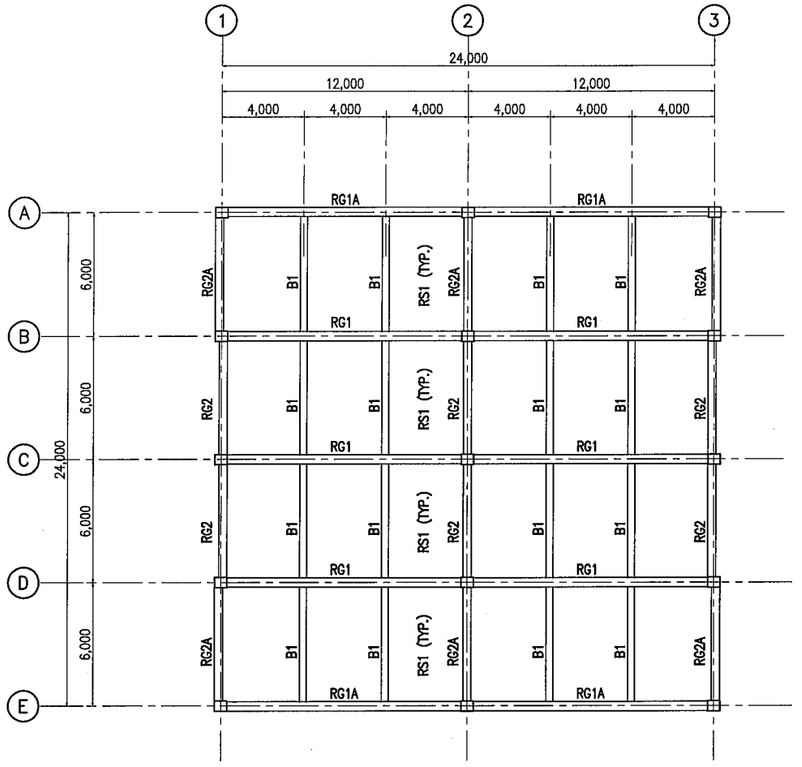
MAIN SUBSTATION & ADMINISTRATION BUILDING
GENERAL NOTES

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	SBM–411

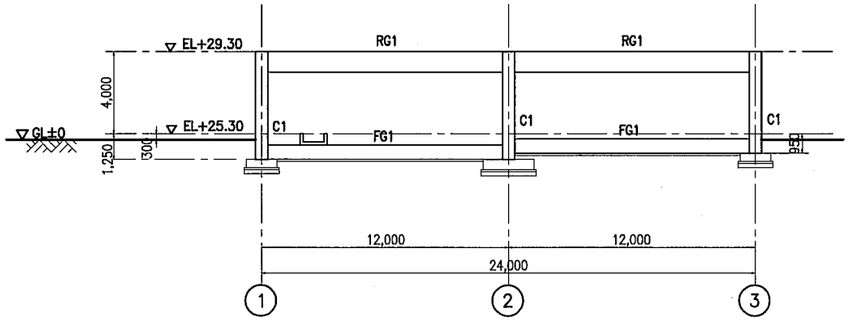


FOUNDATION PLAN

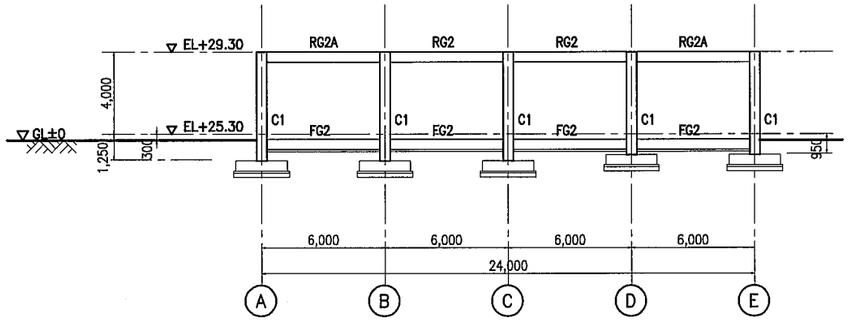


ROOF FRAMING PLAN

UNLESS OTHERWISE SHWON, TOP LEVEL OF GROUND FLOOR SLAB (GSL) = FL-50



Ⓑ LINE FRAMING ELEVATION



② LINE FRAMING ELEVATION

NOTES:

UNLESS OTHERWISE SHWON, BOTTOM LEVEL OF GRADE BEAM = FL-950

UNLESS OTHERWISE SHWON, TOP LEVEL OF FOUNDATION (TFL) = FL-950

LEGEND:

BOTTOM LEVEL OF GRADE BEAM = FL-1,250

0 5 10 15m

SCALE 1:300

THE ARAB REPUBLIC OF EGYPT
MINISTRY OF WATER RESOURCES AND IRRIGATION
NORTH SINAI DEVELOPMENT ORGANIZATION

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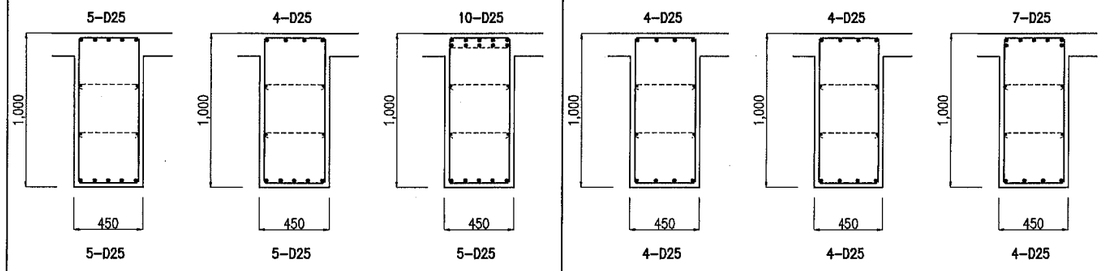
CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
MAIN POWER SUBSTATION (FOR EL SALAAM No.7 P.S.)

ADMINISTRATION BUILDING
FRAMING PLAN AND ELEVATION

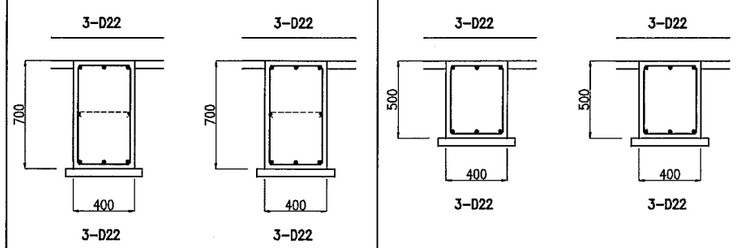
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	SBN-412

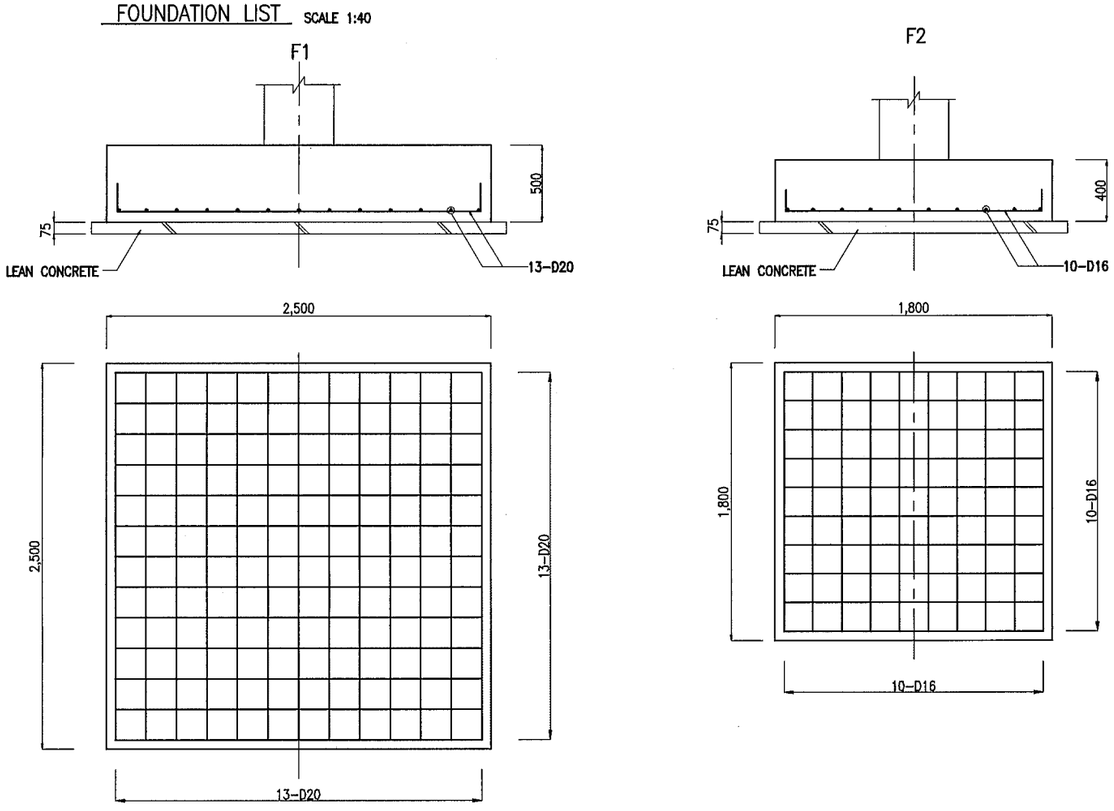
ROOF GIRDER / BEAM LIST SCALE 1:40

MARK	RG1			RG1A			RG2		RG2A		
POSITION	OUTER END	CENTER	INNER END	OUTER END	CENTER	INNER END	BOTH END	CENTER	OUTER END	CENTER	INNER END
SECTION											
STIRRUP	□ D12 @200			□ D12 @200			□ D10 @200		□ D10 @200		
WEB BER	4 – D10			4 – D10			–		–		

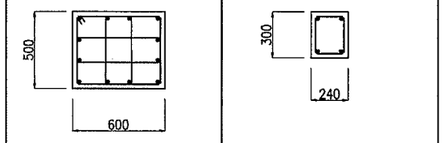
GRADE BEAM LIST SCALE 1:40

MARK	FG1		FG2	
POSITION	BOTH END	CENTER	BOTH END	CENTER
SECTION				
STIRRUP	□ D10 @200		□ D10 @200	
WEB BER	2 – D10		–	

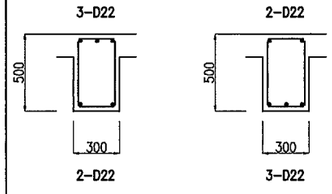
FOUNDATION LIST SCALE 1:40



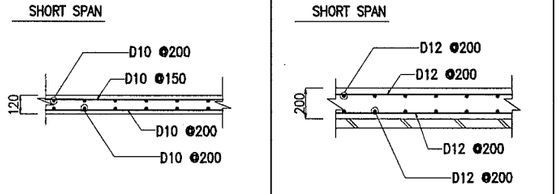
COLUMN LIST SCALE 1:40

MARK	C1	P1
SECTION		
MAIN BAR	12–D22	4–D16
HOOP	□ D10 @150	□ D10 @200
CROSS TIE	D10 @300	–

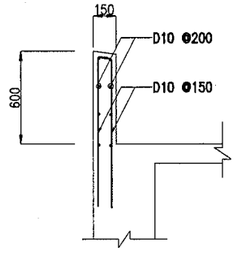
BEAM LIST SCALE 1:40

MARK	B1	
POSITION	BOTH END	CENTER
SECTION		
STIRRUP	□ D10 @200	
WEB BER	–	

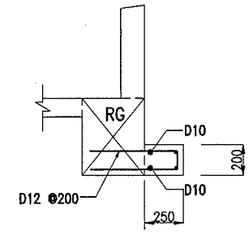
SLAB LIST SCALE 1:40

MARK	RS1	GS1
SECTION		

PARAPET



LINTEL FOR BRICK WALL



THE ARAB REPUBLIC OF EGYPT
MINISTRY OF WATER RESOURCES AND IRRIGATION
NORTH SINAI DEVELOPMENT ORGANIZATION

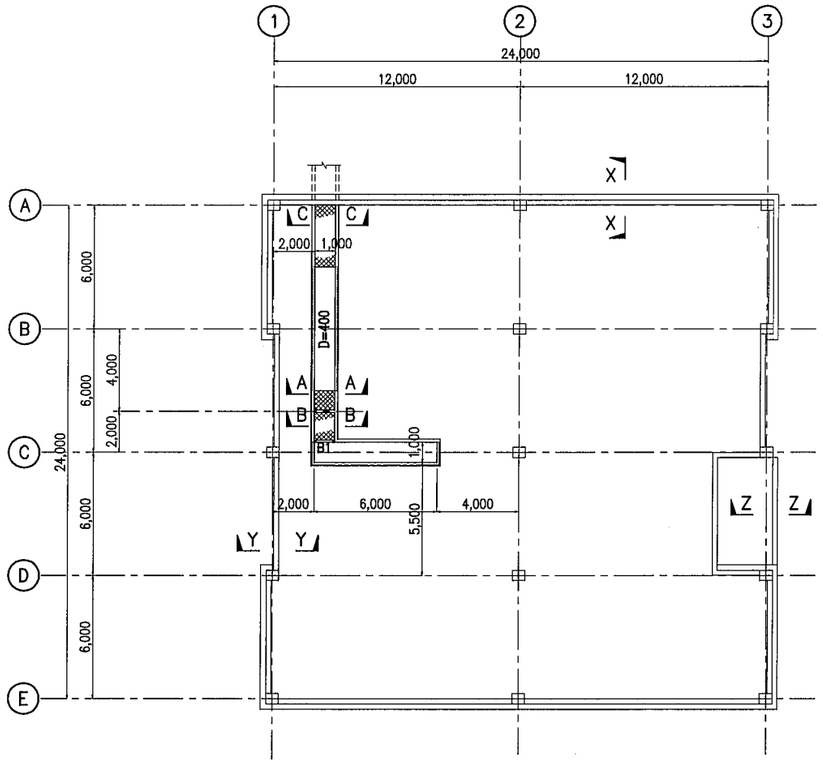
THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT (PHASE III)

CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
MAIN POWER SUBSTATION (FOR EL SALAAM No.7 P.S.)

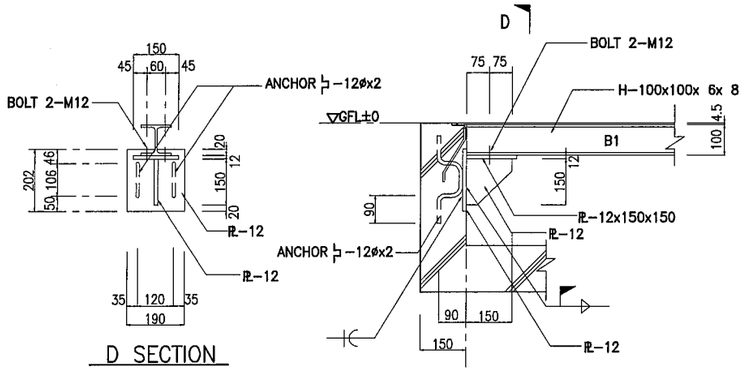
ADMINISTRATION BUILDING
MEMBER SCHEDULE

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	SBW-413



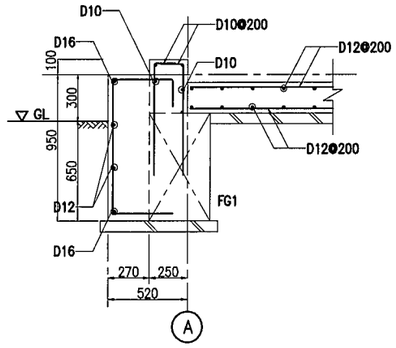
GROUND FLOOR PLAN



D SECTION

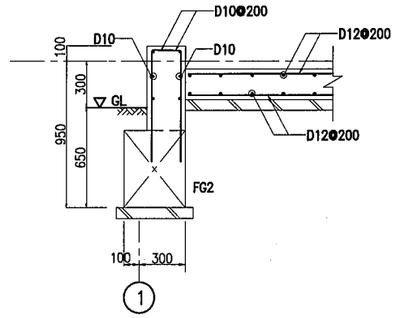
DETAIL OF EMBEDDED PLATE FOR B1

SCALE 1:20



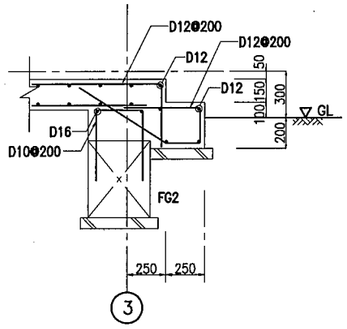
X-X SECTION

SCALE 1:40



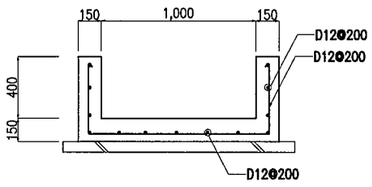
Y-Y SECTION

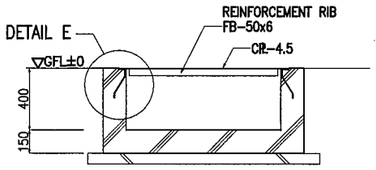
SCALE 1:40



Z-Z SECTION

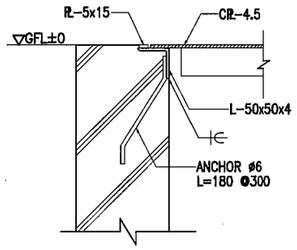
SCALE 1:40





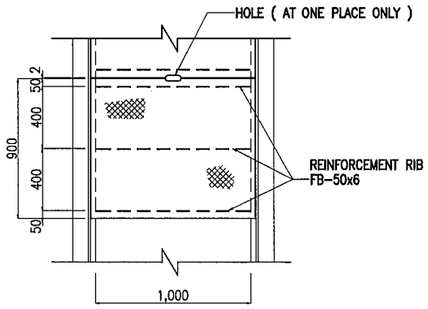
A-A SECTION

SCALE 1:40



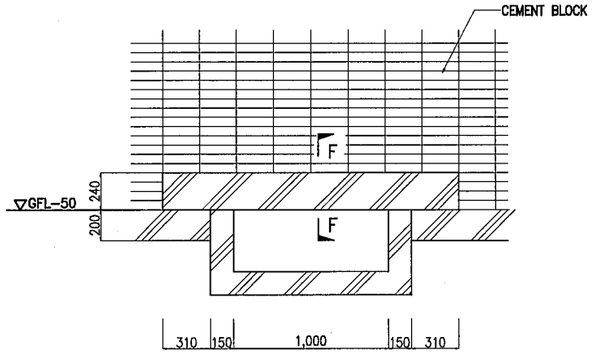
DETAIL E

SCALE 1:10



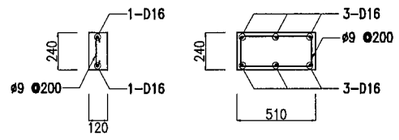
CABLE PIT COVER (TYPE-A)

SCALE 1:40



B-B & C-C SECTION

SCALE 1:40



FOR B-B SECTION FOR C-C SECTION

F-F SECTION

SCALE 1:40

0 5 10 15m

SCALE 1:300

THE ARAB REPUBLIC OF EGYPT
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CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
MAIN POWER SUBSTATION (FOR EL SALAAM No.7 P.S.)

ADMINISTRATION BUILDING
MISC. DETAIL OF GROUND FLOOR

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	
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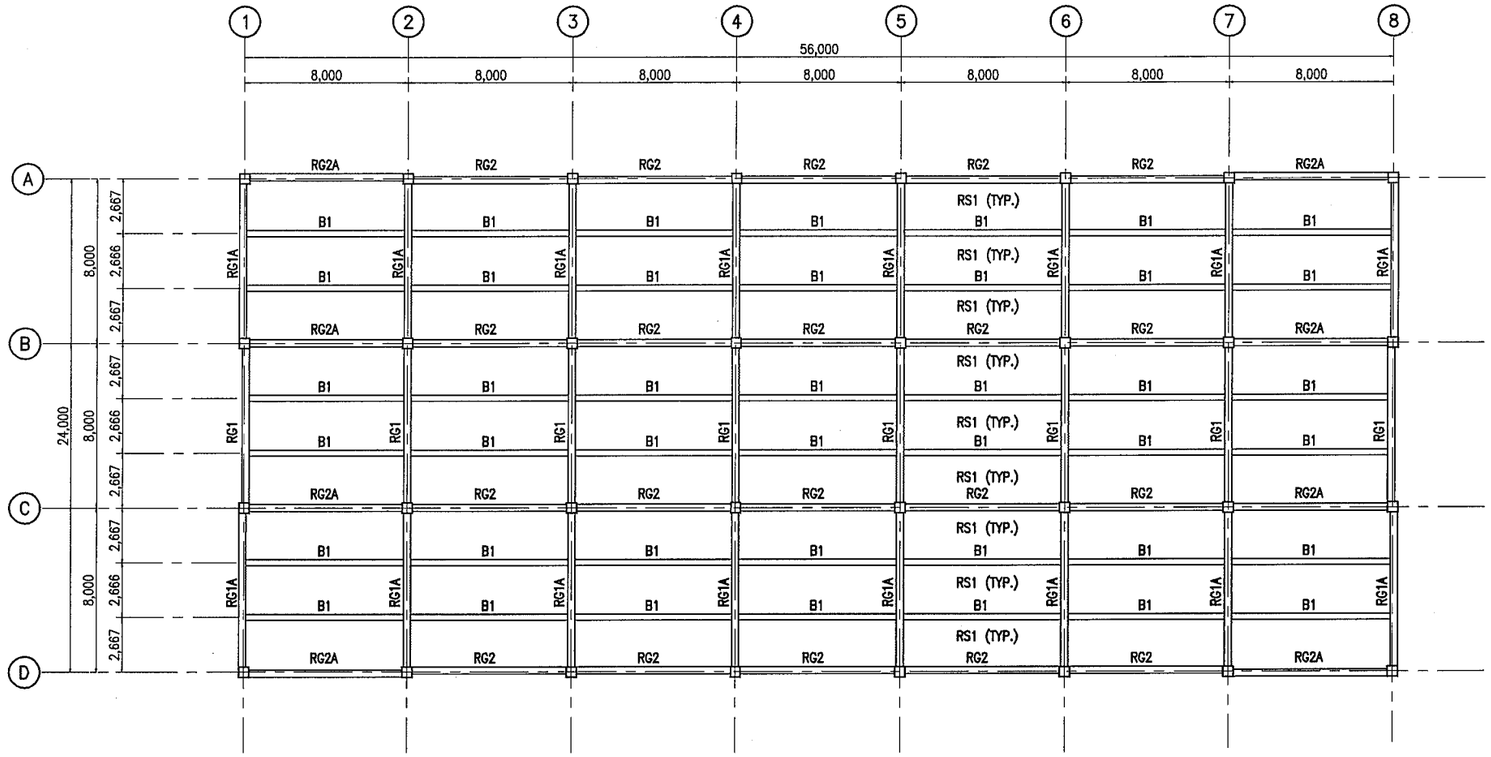
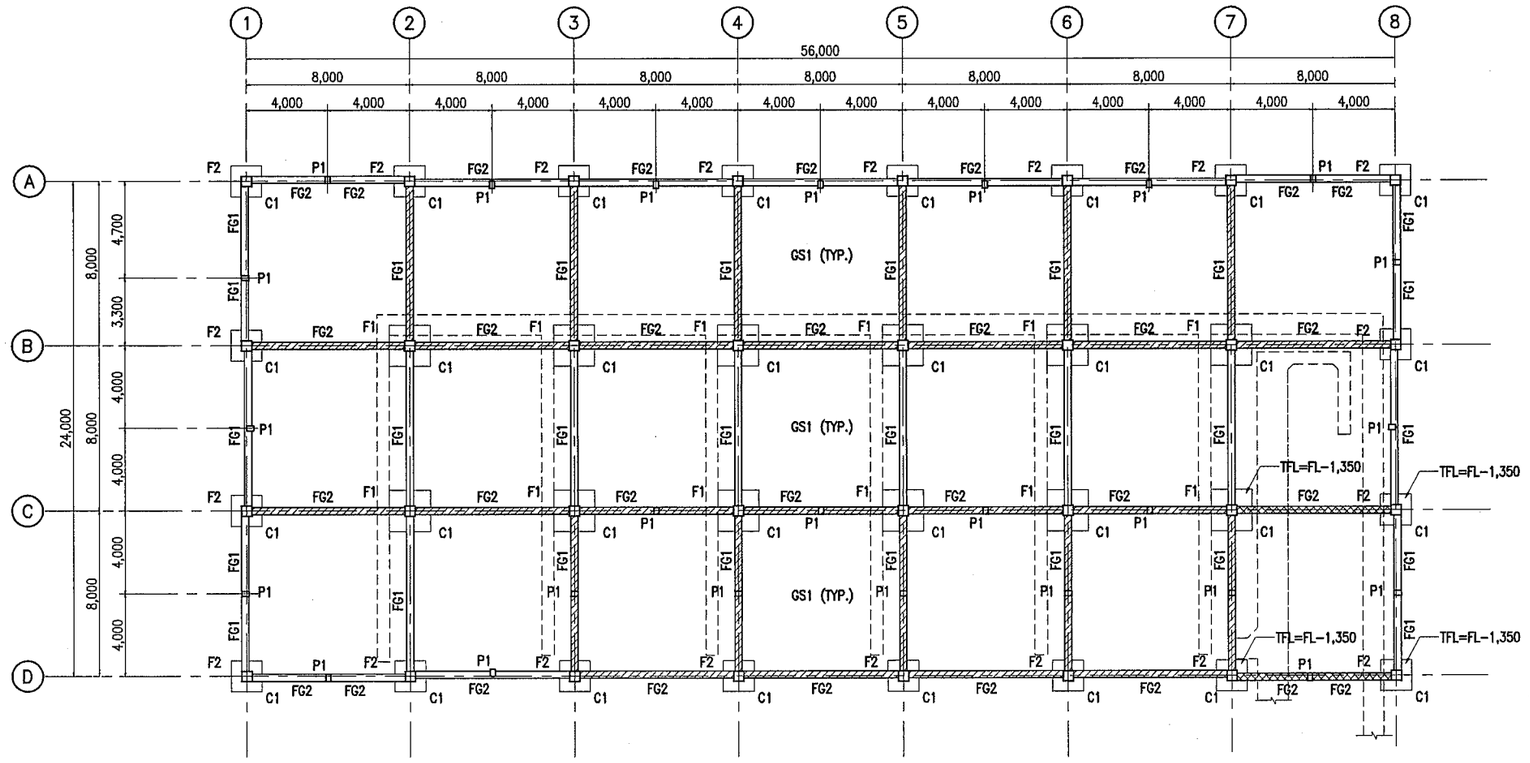
CHECKED	
APPROVED	
DRAWING NO.	SBW-414



ROOF FRAMING PLAN



FOUNDATION PLAN

NOTES:

UNLESS OTHERWISE SHWON, BOTTOM LEVEL OF GRADE BEAM = FL-1,000

UNLESS OTHERWISE SHWON, TOP LEVEL OF FOUNDATION (TFL) = FL-1,150

LEGEND:

BOTTOM LEVEL OF GRADE BEAM = FL-1,150

BOTTOM LEVEL OF GRADE BEAM = FL-1,350

0 5 10 15m

SCALE 1:300

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CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
MAIN POWER SUBSTATION (FOR EL SALAAM No.7 P.S.)

MAIN SUBSTATION FRAMING PLAN

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIONAL

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TRACED	
CHECKED	
APPROVED	
DRAWING NO.	SBW-415