



EMPLOYER:

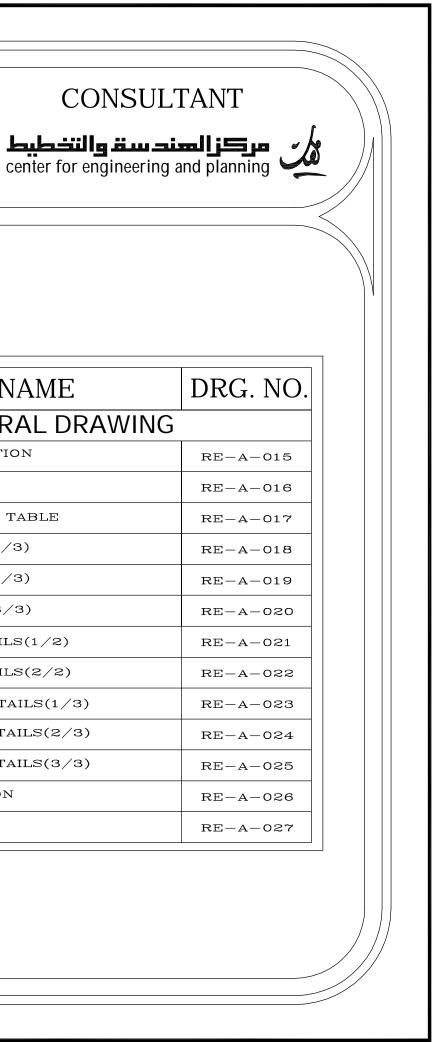


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE **DP** (UNDP/PAPP)

CLIENT

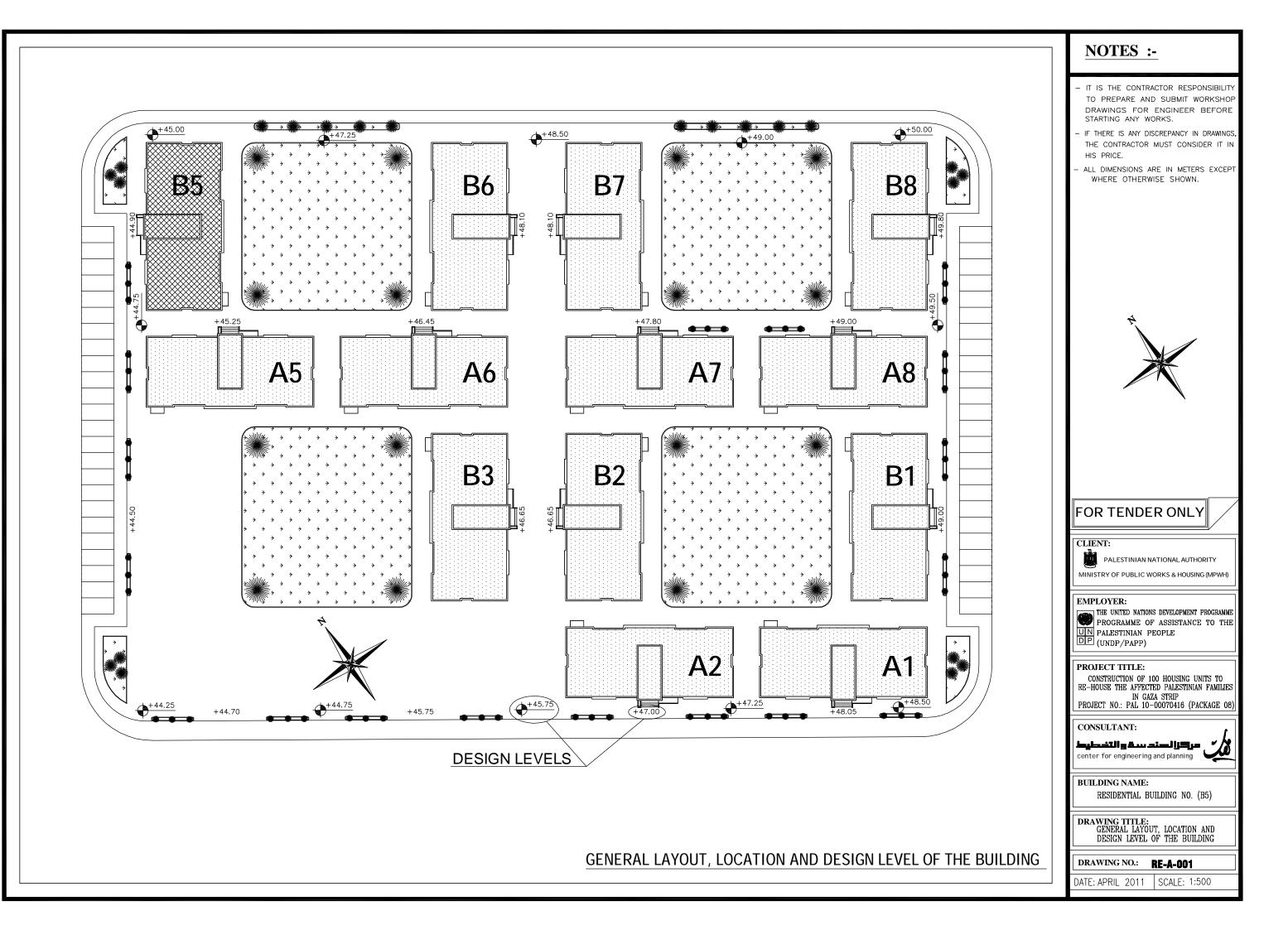


PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSI MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)



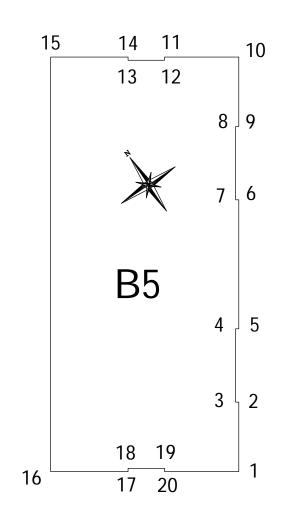
LIST OF DRAWINGS

| S/NO. | DRAWING NAME | DRG. NO. | | S/NO. | DRAWING NAME |
|-------|---|----------|---|-------|----------------------------|
| | ARCHITECTURAL DRAWING | | | I | ARCHITECTURAL DRA |
| 01/27 | GENERAL LAYOUT, LOCATION AND DESIGN LEVEL OF THE BUILDING | RE-A-001 | | 15/27 | LONGITUDINAL SECTION |
| 02/27 | COORDINATES FOR THE BUILDING | RE-A-002 | | 16/27 | CROSS SECTIONS |
| 03/27 | EXISTING LEVEL FOR THE BUILDING SITE | RE-A-003 | | 17/27 | WINDOWS & DOORS TABLE |
| 04/27 | FURNITURE FOR UNDERGROUND FLOOR | RE-A-004 | | 18/27 | FINISHES TABLE (1/3) |
| 05/27 | FURNITURE FOR GROUND FLOOR | RE-A-005 | | 19/27 | FINISHES TABLE (2/3) |
| 06/27 | FURNITURE FOR TYPICAL FLOOR | RE-A-006 | | 20/27 | FINISHES TABLE (3/3) |
| 07/27 | UNDERGROUND FLOOR PLAN | RE-A-007 | | 21/27 | METAL DOOR DETAILS $(1/2)$ |
| 08/27 | GROUND FLOOR PLAN | RE-A-008 | | 22/27 | METAL DOOR DETAILS(2/2) |
| 09/27 | TYPICAL FLOOR PLAN | RE-A-009 | | 23/27 | WOODEN DOOR DETAILS(1/3) |
| 10/27 | ROOF PLAN | RE-A-010 | | 24/27 | WOODEN DOOR DETAILS(2/3) |
| 11/27 | FINAL ROOF PLAN | RE-A-011 | | 25/27 | WOODEN DOOR DETAILS(3/3) |
| 12/27 | FRONT ELEVATION | RE-A-012 | | 26/27 | WINDOWS ELEVATION |
| 13/27 | BACK ELEVATION | RE-A-013 | | 27/27 | KITCHEN DETAILS |
| 14/27 | SIDE ELEVATIONS | RE-A-014 | F | | |

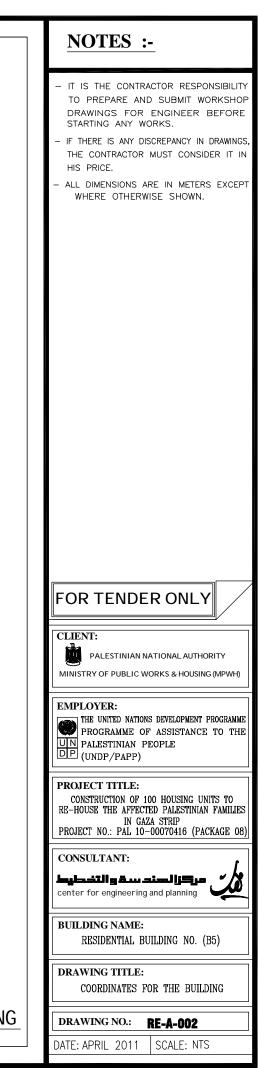


BUILDING NO. B5

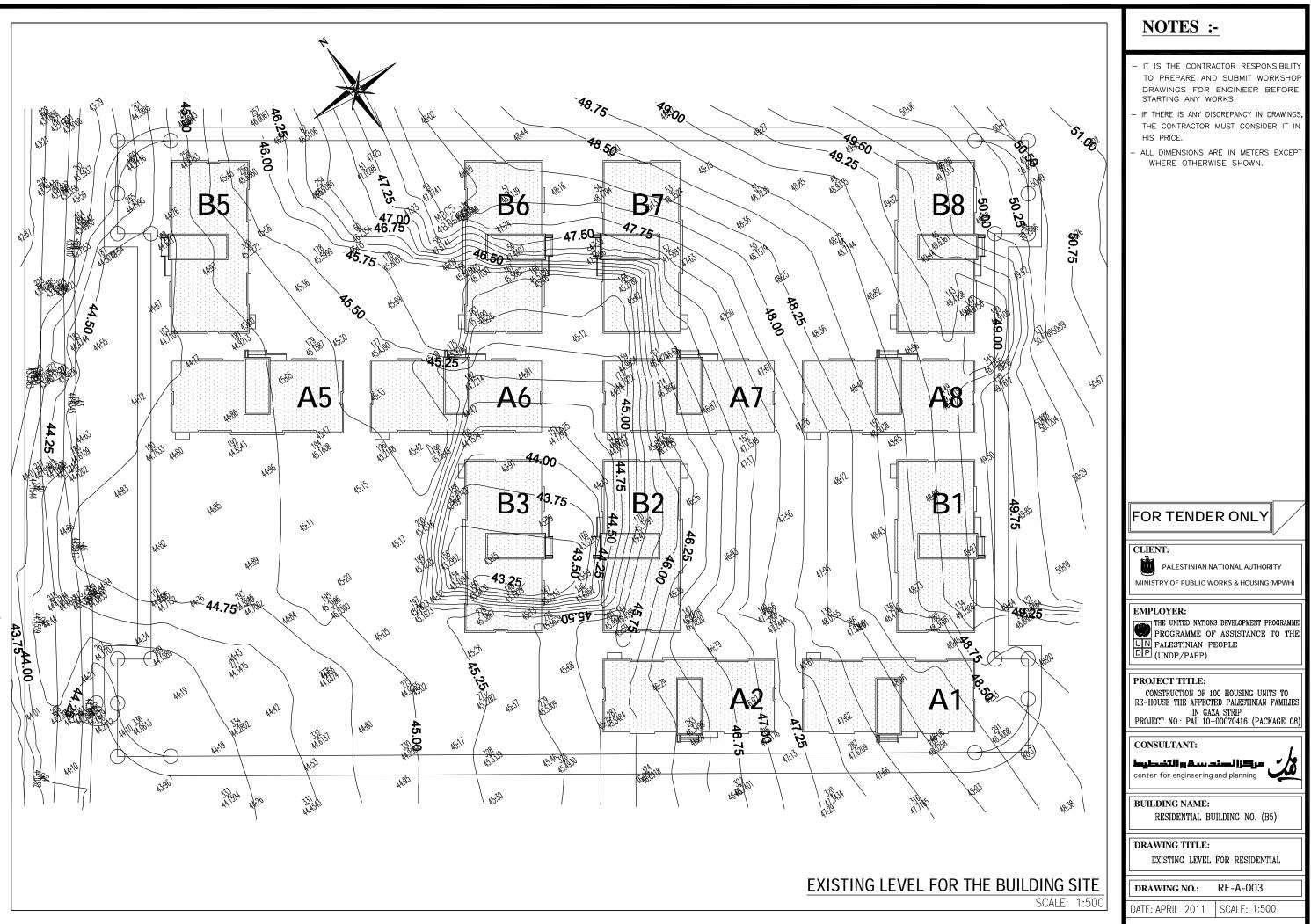
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| 3 | 100571.7142 | 107372.3088 |
| 4 | 100571.3332 | 107376.0905 |
| 5 | 100574.4976 | 107375.9766 |
| 6 | 100579.1092 | 107382.6357 |
| 7 | 10057.9448 | 107382.7495 |
| 8 | 100581.5638 | 107386.5312 |
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| 11 | 100580.3820 | 107392.6409 |
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| 14 | 100578.4912 | 107393.9504 |
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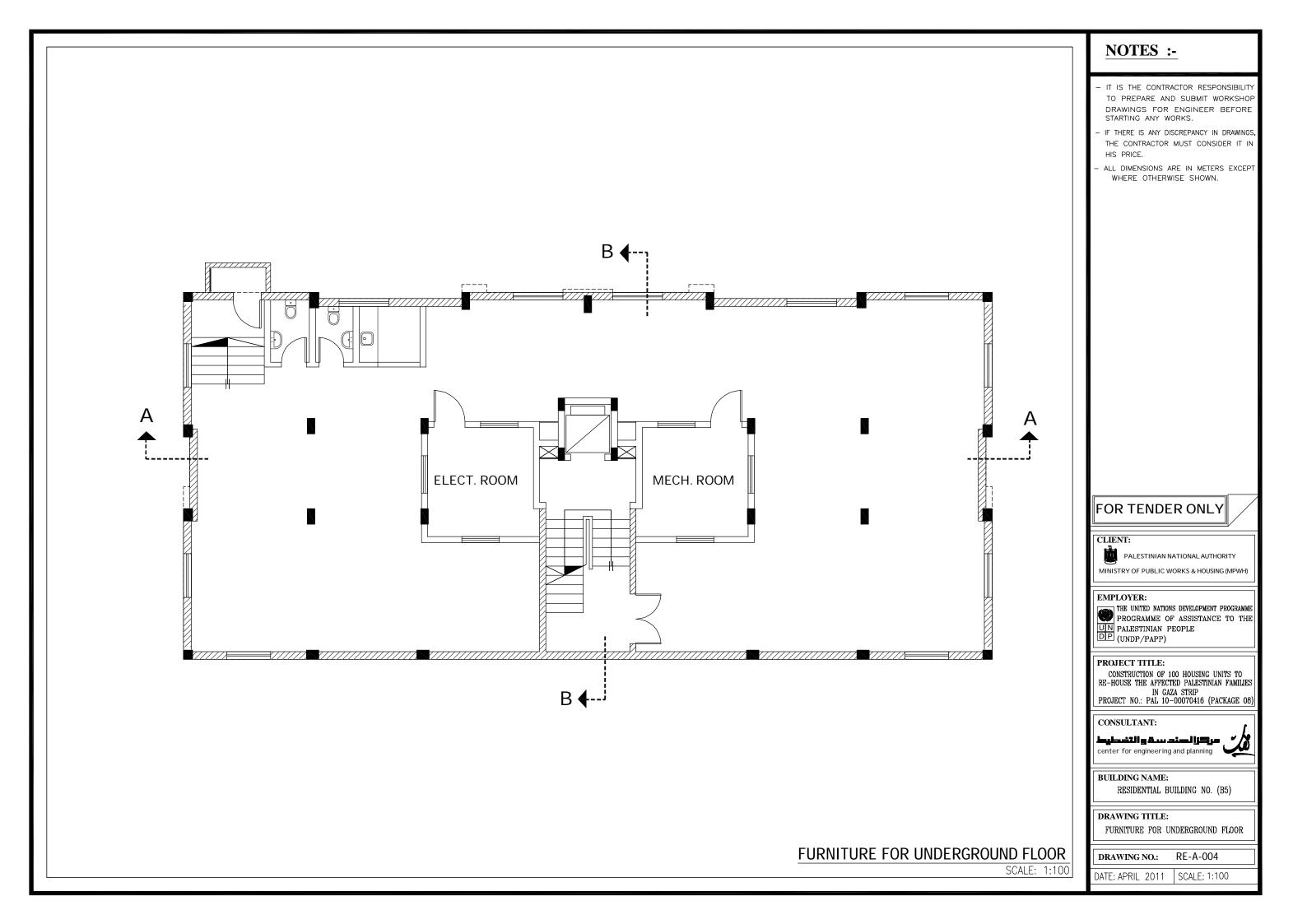


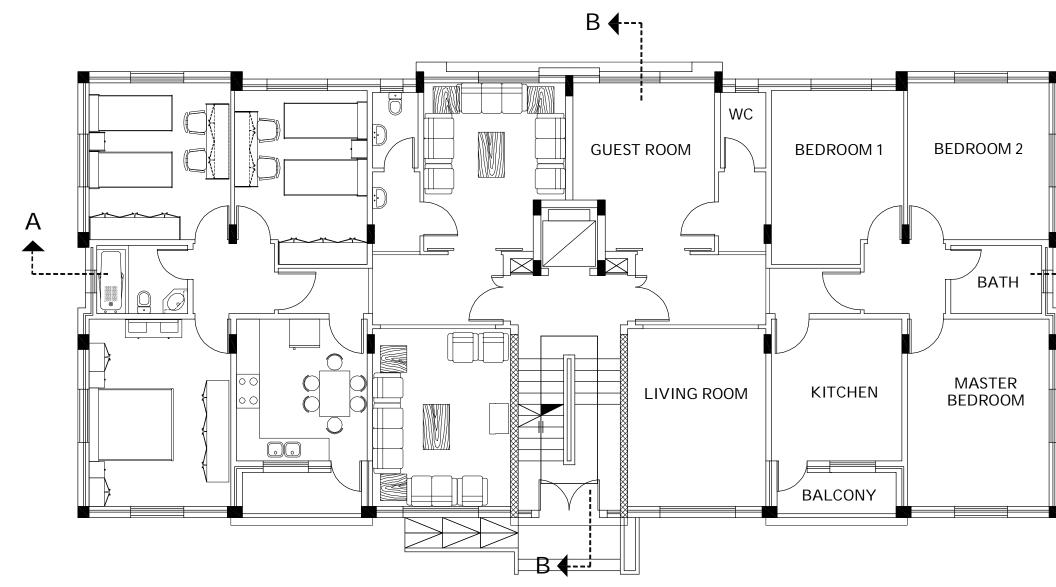
COORDINATES FOR THE BUILDING



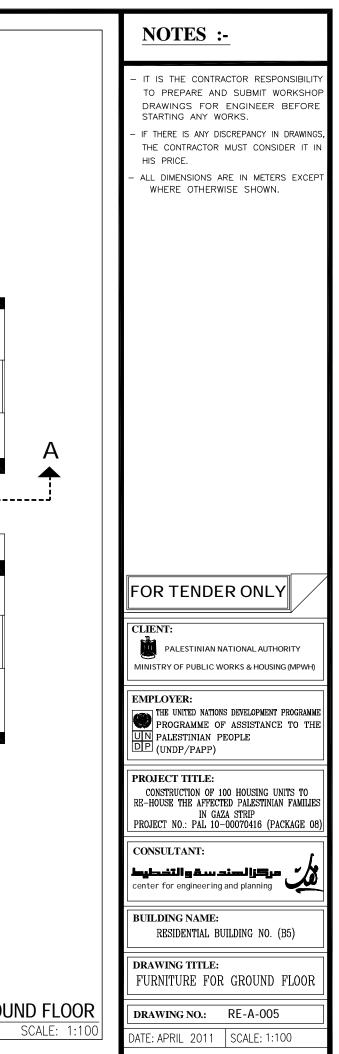


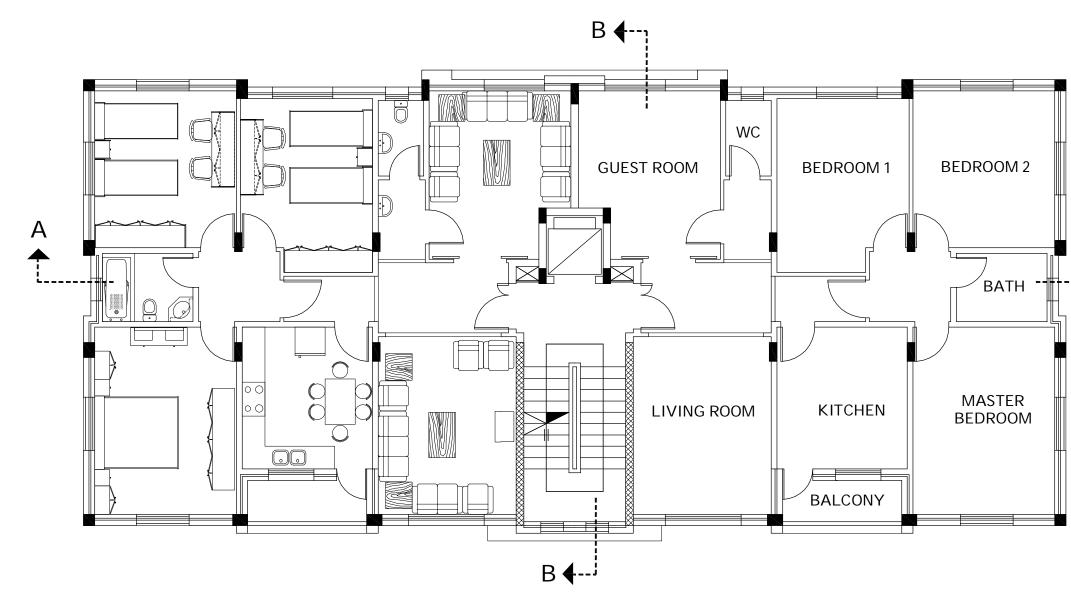




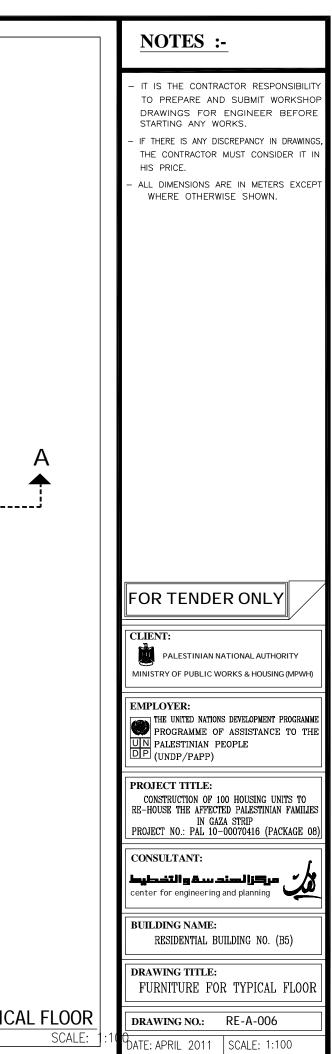


FURNITURE FOR GROUND FLOOR

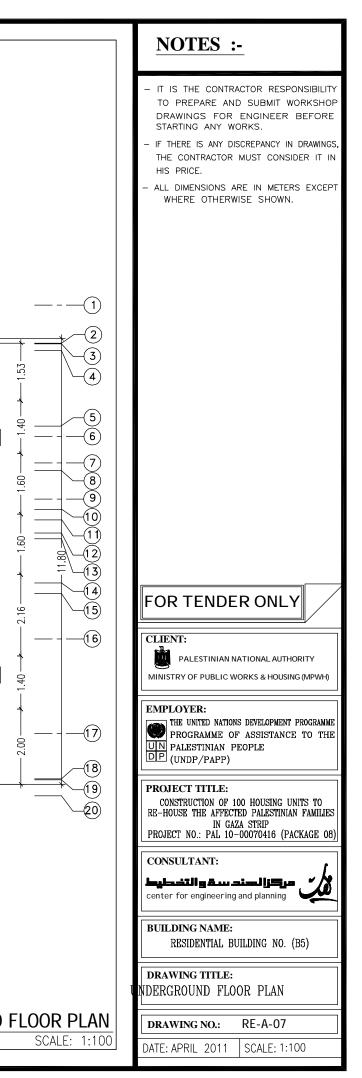


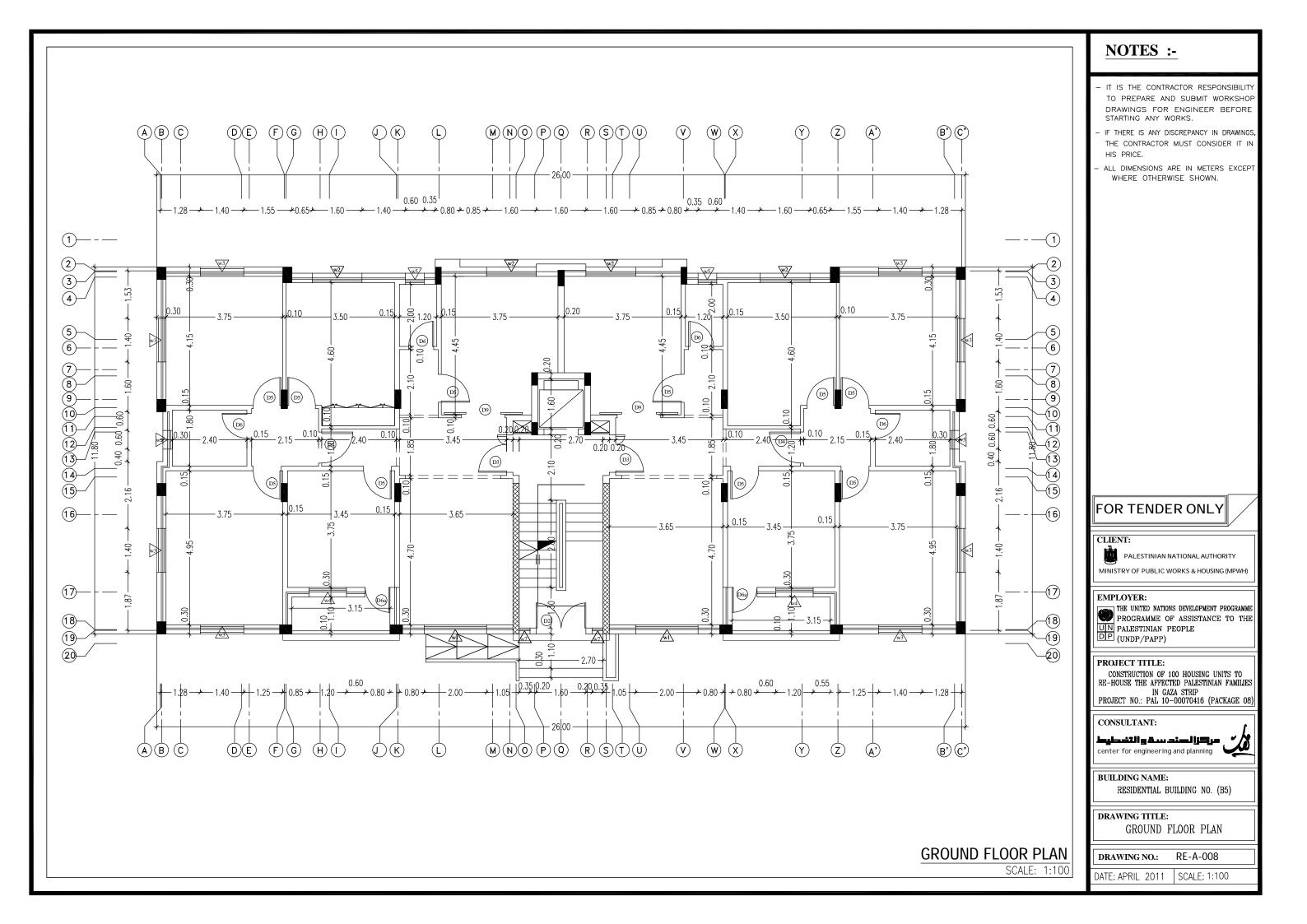


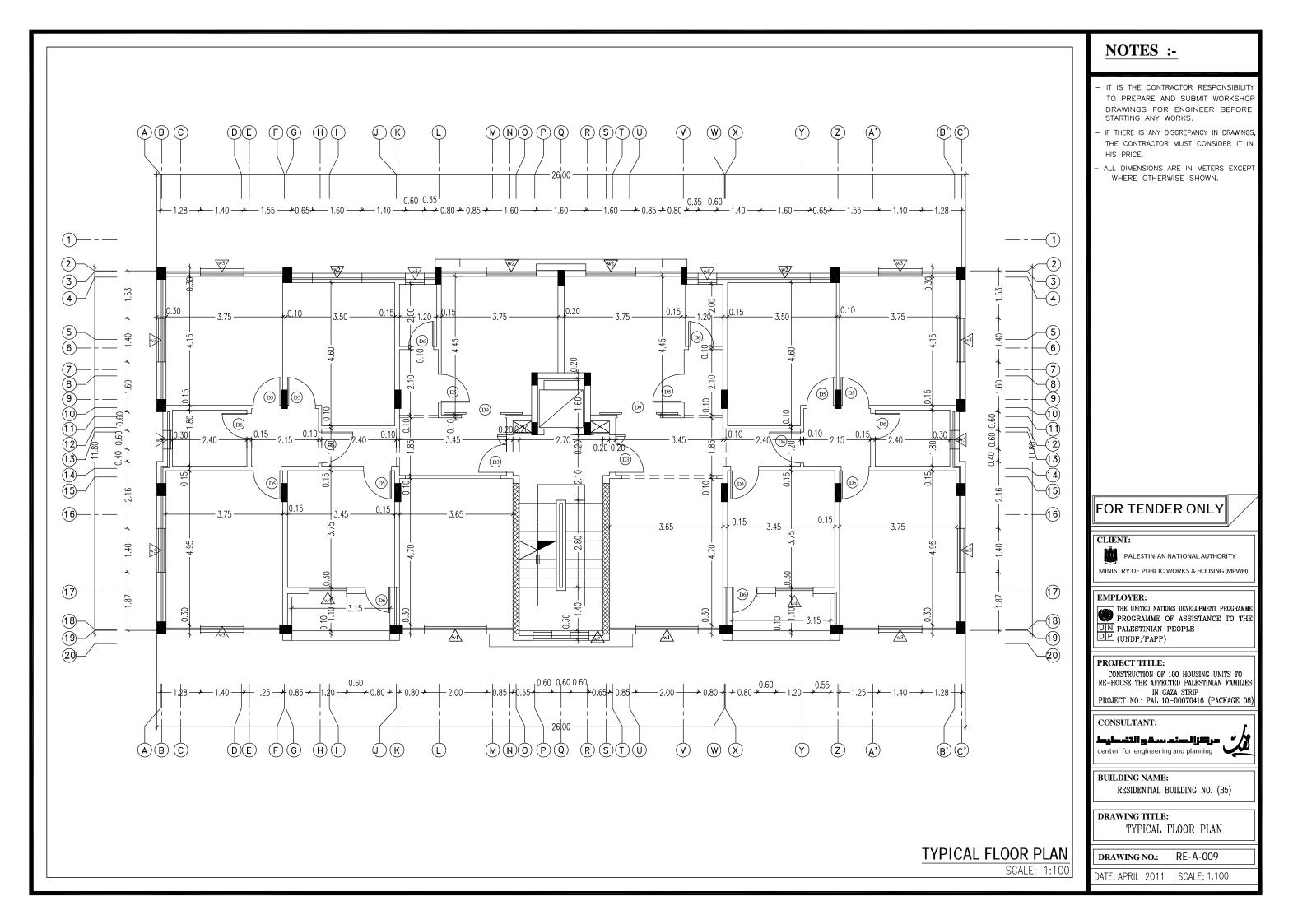
FURNITURE FOR TYPICAL FLOOR

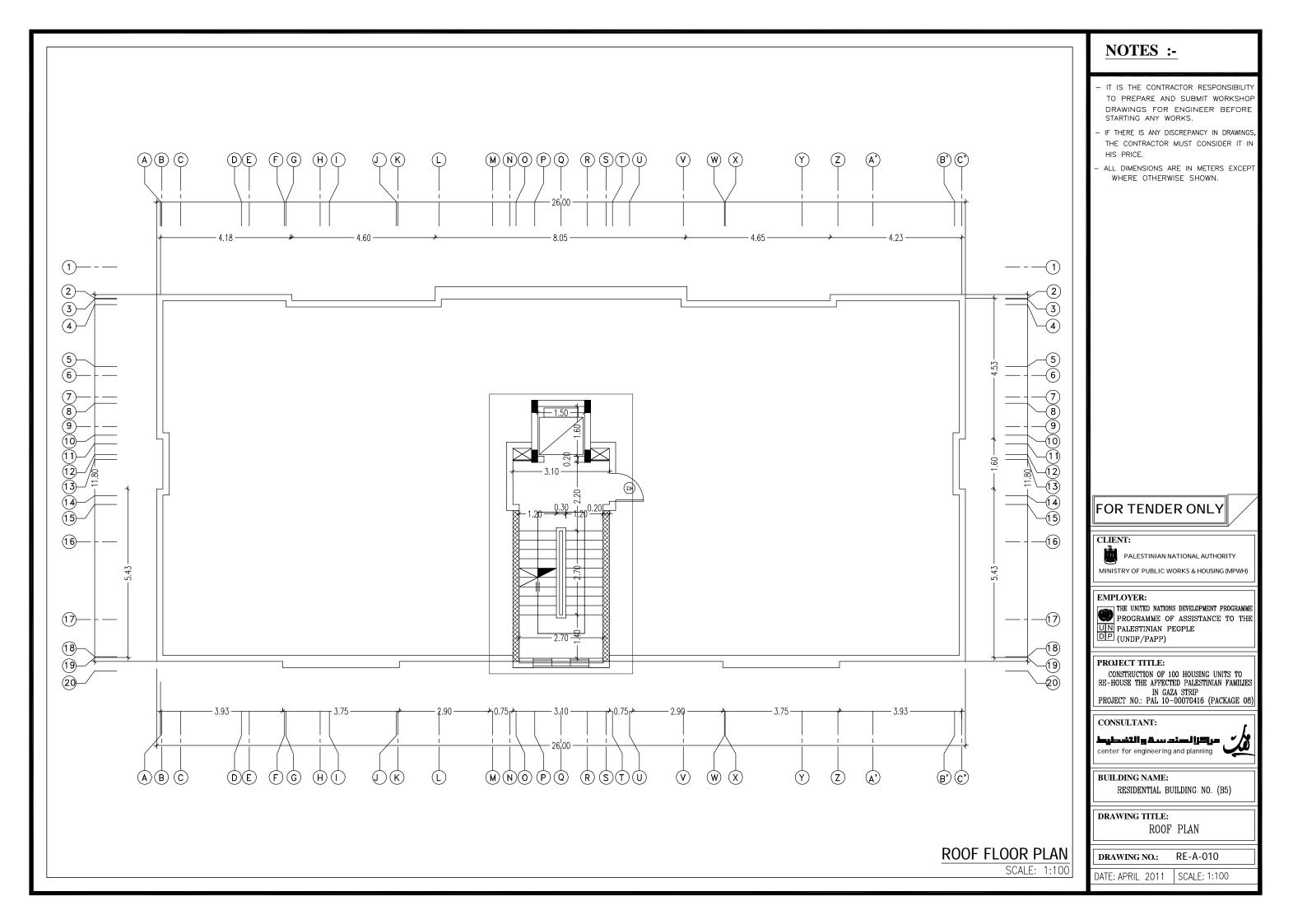


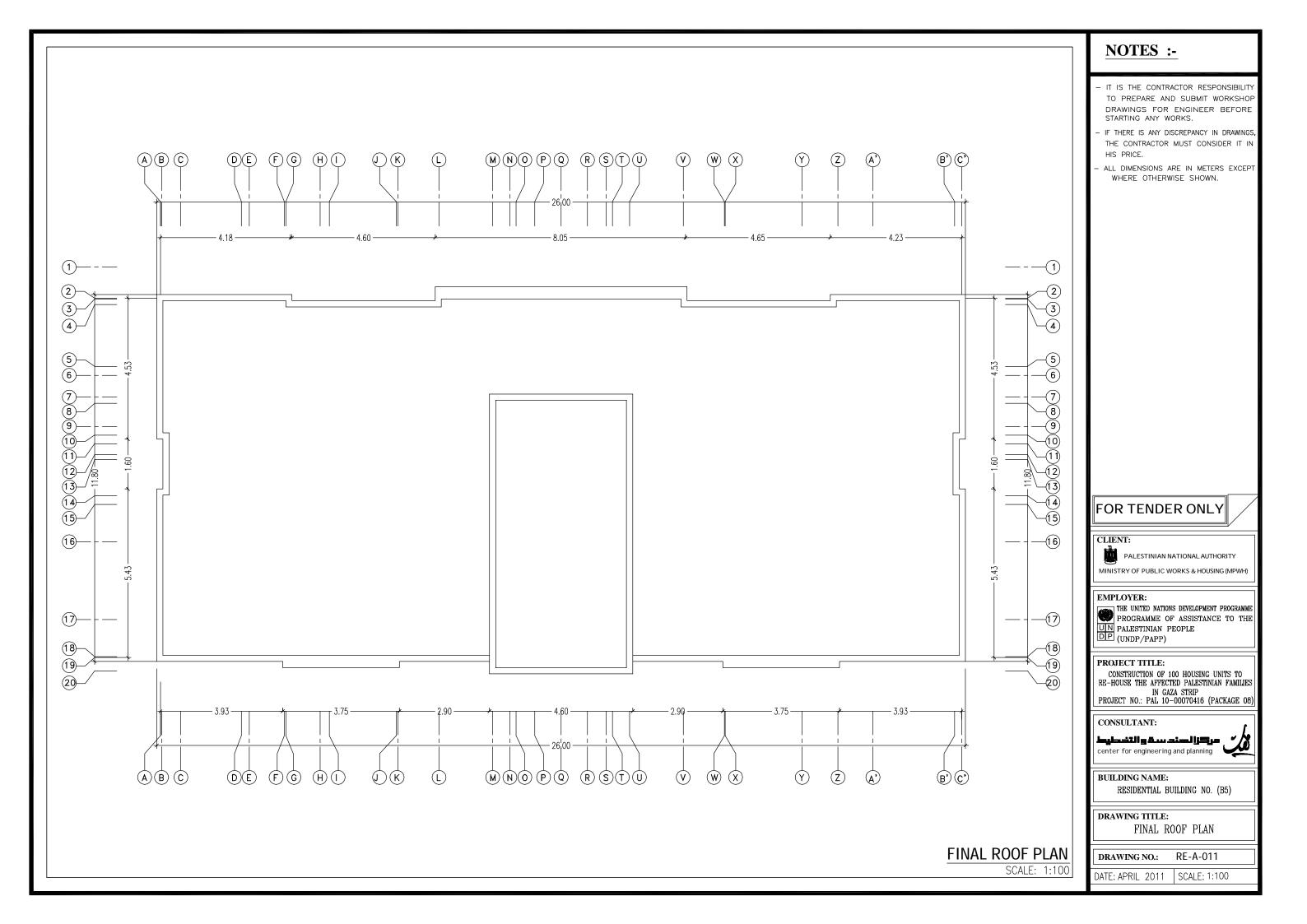
(M) (O) (P) (R) (S) (U)(A) (B) (C)(W) (X)(D)(E)(F)(G)(H)(I) $(\mathbf{J})(\mathbf{K})$ (\mathbf{V}) (\mathbf{Y}) (Z)(A')(B')(C')26,00 + 0.80 + 0.85 + 1.60 + 1.60 + 1.60 + 0.85 + 0.80 + +0.58+ ≁ 1.55 ≁0.65⊁ 1.60 ≁ - 2.35 ----- 2.35 --+ 1.60 + 0.65 + 1.55 + 1.40 + 1.28 -- 2.10 -(1)-7//////// (2)(3) D8) 53. (4)-8 80 0.20 0.20 -1.25 + 1.98 17.93 (5) 60 OF (6)w9 w9 8 0.25 2.35 1.90 $\overline{(7)}$ 0.25 - 11.80 (8) 0.20 G D7) (D7) (9) (10)- \triangleright (11)<(12)-(13)-0<u>5</u>° 0.20 3.50 8 0.20 Ш0.20 1110 20 (14)-N. 3.40 - 3.10 -7.20 3.40 7.20 ഹ 9.15 (15)-0.20 80 (16)- \mathbb{A} w9 w9 6 50 3.50 2.65 DI (17)--1.20 ----1.50 E 0.25 0.25 (18) (19)w9 _w9 (20)-— 1.40 — 🗕 – 1.28 – 20.40 26100 (M) (N) (P) (Q)(Y)(Z)(A)(B)(C)(F)(G)RSTU (\mathbf{v}) (A)(B, C, (D)(E) $(\mathbf{H})(\mathbf{I})$ (w) (J) (K)(L) (\mathbf{X}) UNDERGROUND FLOOR PLAN



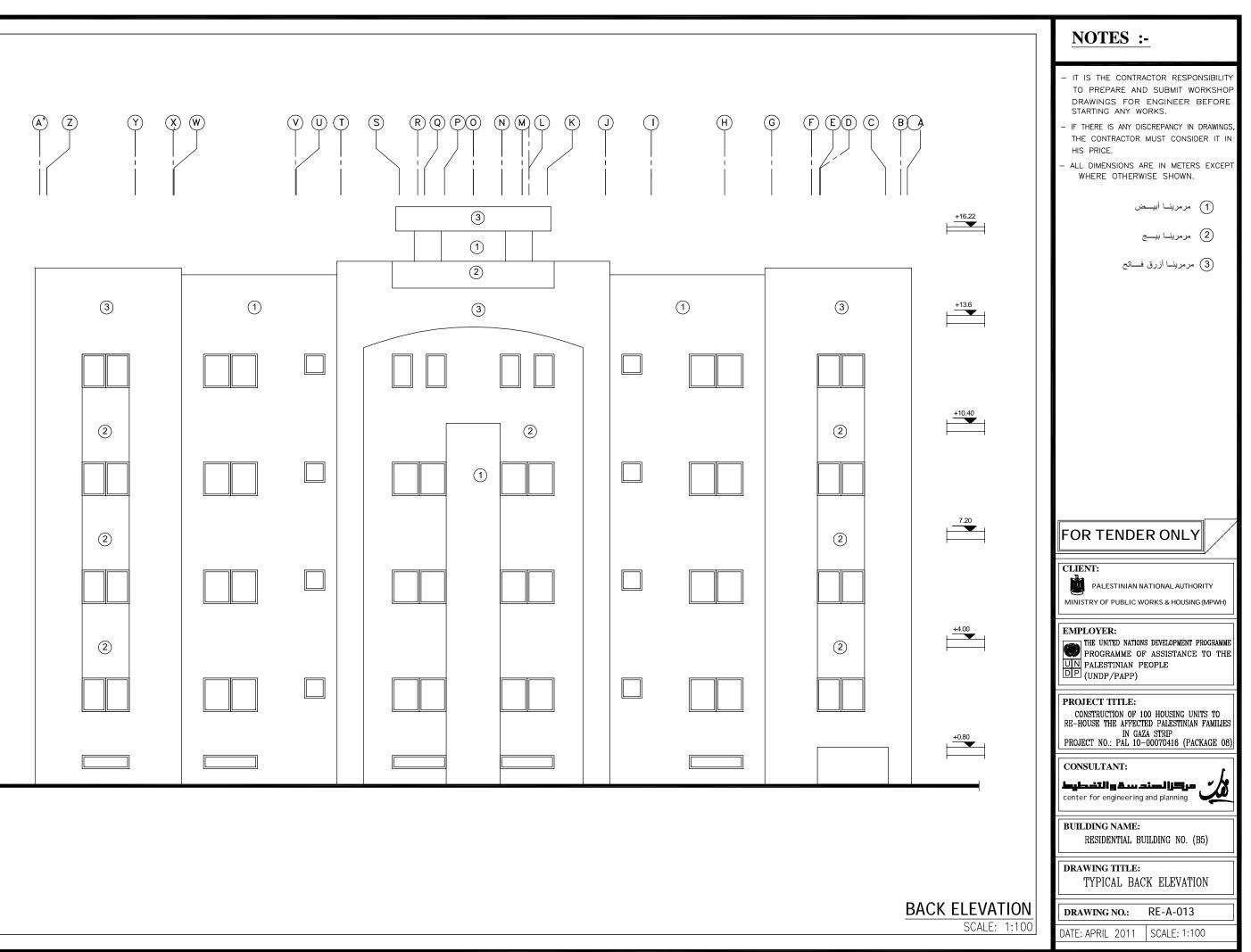


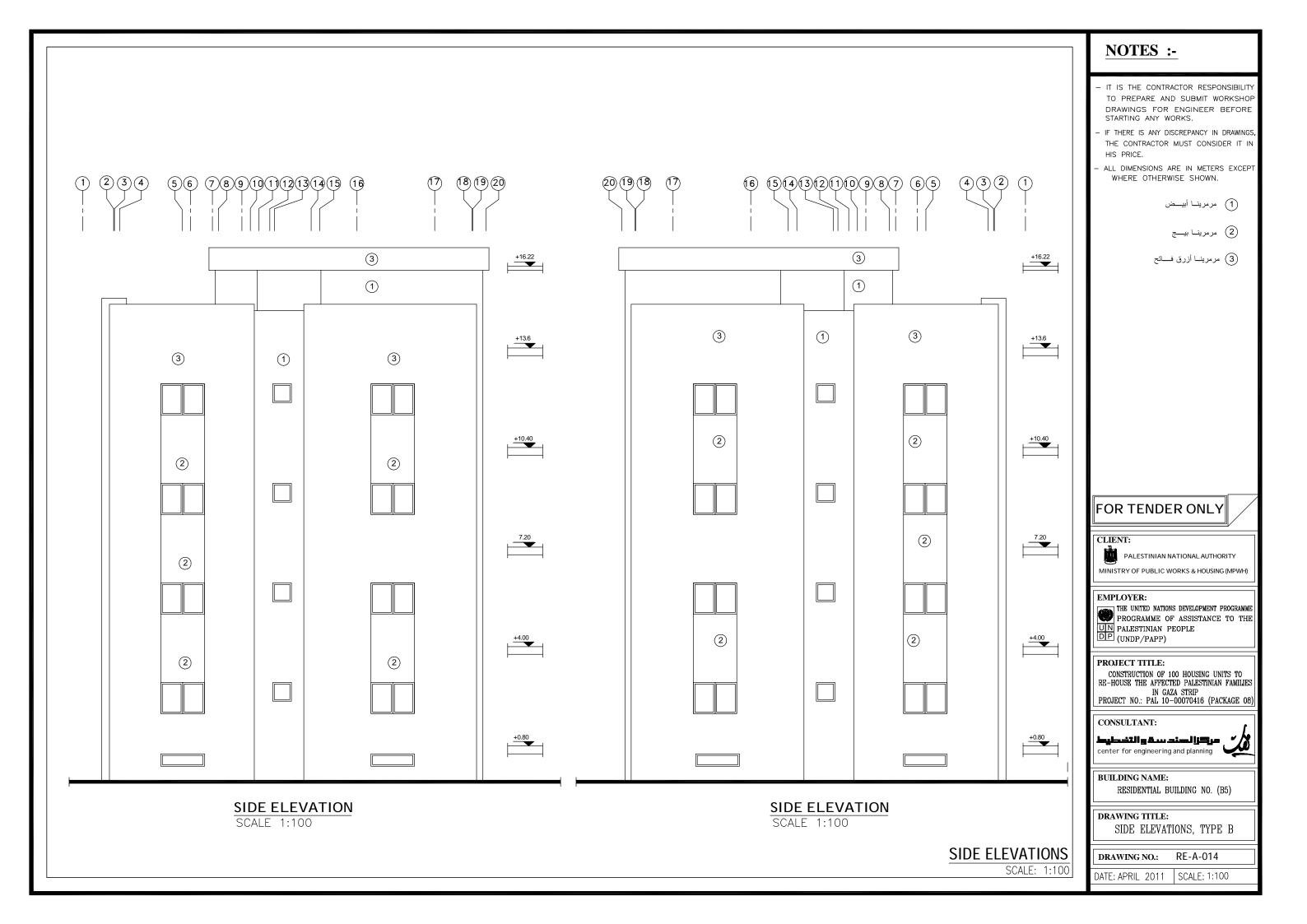






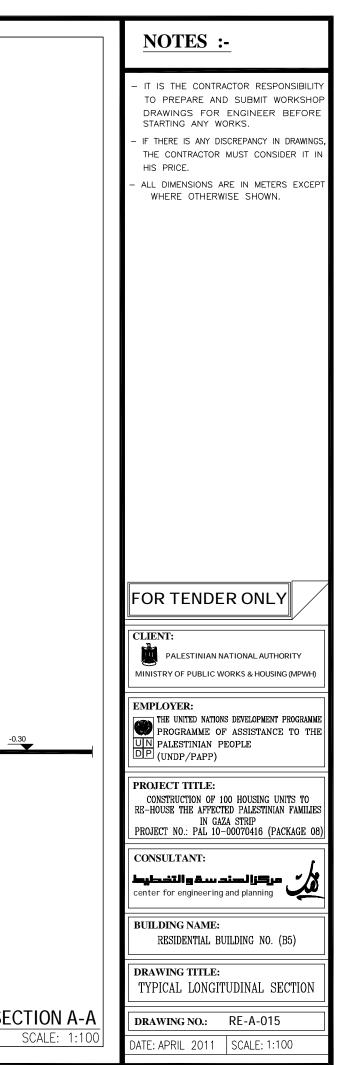


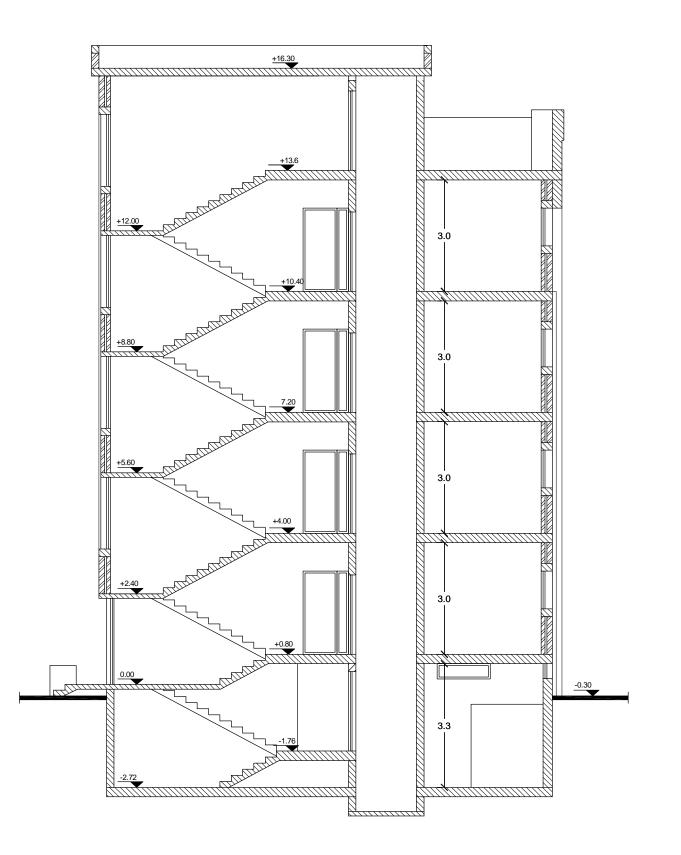


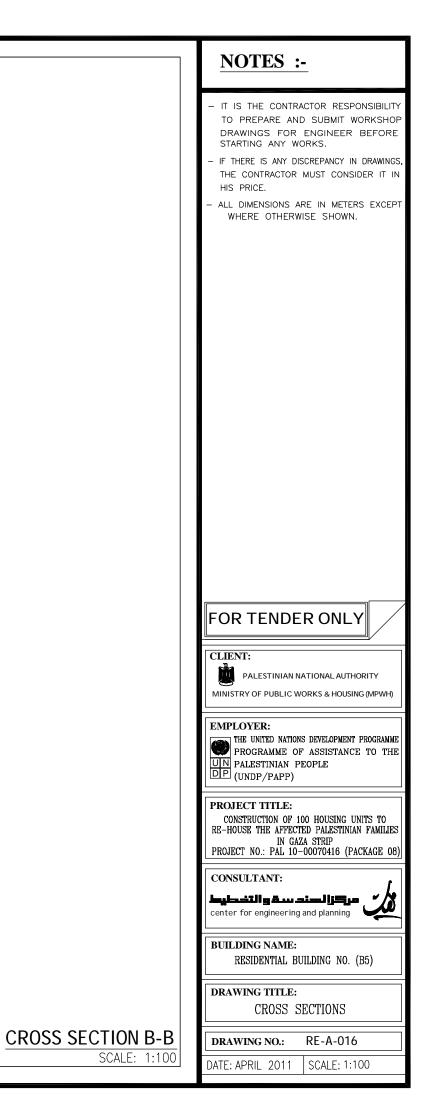




LONGITUDINAL SECTION A-A







جدول الشبابيك الفتحة الانشاكية نظام الفتح رقم الشباك نظام الفتح المادة الفتحة الانشائية المادة رقم الشباك \$ \$ W1 المئيرم سحاب W9 المنيوم سحا ب هباڪ اليدررم ≁____2.00-¢ ¢ − W10 المنيوم سحا ب W2 سحاب المنيرم **∤**___1.60___**∤** ¢ ¢ W11 لوفر حديد W3 سحا ب المنيرم +1.20--1.40---W4 المنيوم سحا ب € 0.60+ W5 قلاب المنيوم -1.90 W6 المنيرم قلاب شياڪ الدرجہ +0.60+ -1.42 W7 المنيرم قلاب شياڪ يجوار مدخل العمارة -0.40 المنيوم سدا ب W8 —1.60· شياك اليدروم

جدول الابواب

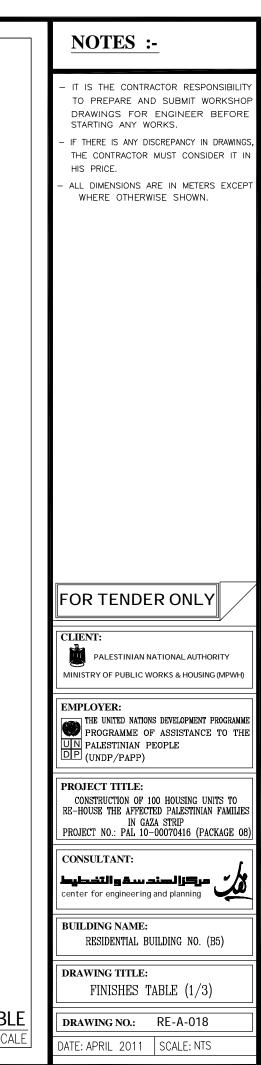
| نظام الفتح وعده الغبلف | المادة | الانشافية | الفتحة |
|------------------------|----------|-----------|--------|
| | 93 (4) (| الارتفاع | العرض |
| مفعلي ضلفتين | مديد | 230 | 160 |
| مفصلي ضلفتين | حديد | 230 | 160 |
| مفصلي ضلفتين | خشب | 230 | 120 |
| مفعبلي ضلفة واحدة | خشب | 230 | 100 |
| مفصلي ضلفة واحدة | خشب | 230 | 90 |
| مفصلي ضلفة واحدة | خشب | 230 | 80 |
| مفعبلي ضلفة واحدة | ھەيھ | 230 | 80 |
| مفصلي ضلفة واحدة | حديد | 230 | 100 |
| مفعبلي ضلفة واحدة | حديد | 230 | 90 |
| سحاب ضلفتين | خشب | 230 | 140 |

WINDOWS & DOO

| | | NOTES :- |
|---|-----------------------|---|
| | | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE STARTING ANY WORKS. IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. ALL DIMENSIONS ARE IN METERS EXCEPT WHERE OTHERWISE SHOWN. |
| | رقم الباب | |
| | D1 | |
| | D2 | |
| | D3 | |
| | D4 | |
| | D5 | |
| | D6 | |
| | D6a | |
| | D7 | FOR TENDER ONLY |
| | D8 | CLIENT: PALESTINIAN NATEONAL AUTHORITY MINISTRY OF FUEL IN WORKS & HOLEND AUTHOR |
| | D9 | EMPLOYER: |
| | | THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE (UNDP/PAPP) |
| | | PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | | CONSULTANT: |
| | | BUILDING NAME: RESIDENTIAL BUILDING NO. (B5) |
| | | DRAWING TITLE: WINDOWS & DOORS TABLE |
|) | RS TABI SCALE: 1:1 | |
| | JUALE: III | DATE: APRIL 2011 SCALE: 1:100 |

جدول التشطيبات الطبق التحت أرضي

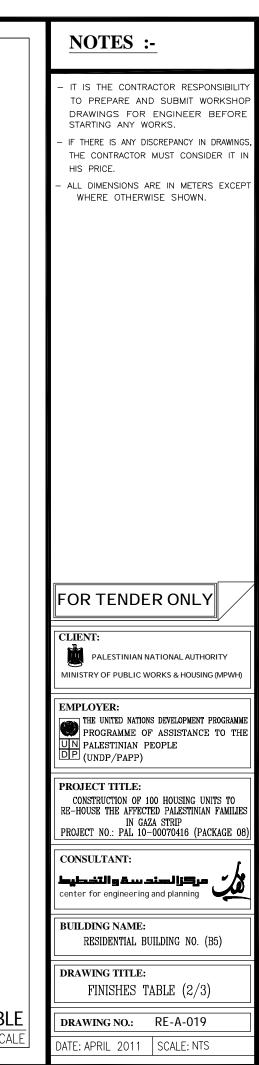
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|---------|--------------|-------------------|--------|----------|---------|--------|------------------------|---|
| | | | | | • | 1 | بلاط کسر رخام | |
| | ۲ | | | | | 2 | بلاط کرا میکا | €) " |
| | | | | | | 3 | رځام أو جرانيت | |
| ۲ | | ۲ | | • | ٥ | 1 | قصارة ودهان سوبركريل | Hangel I |
| | • | | 0 | | | 2 | بلاط کرامیکا حتی السقف | |
| | ٩ | | | | ٩ | 1 | قصارة ودهان بوليسيد | i dawa |
| | | | | | 0 | 1 | ڪسر رځام | |
| • | | | | | | 2 | رخام أو جرانيت | J: J. |



FINISHES TABLE SCALE: NOT TO SCALE

جدول التشطيبات الطابق الارضي

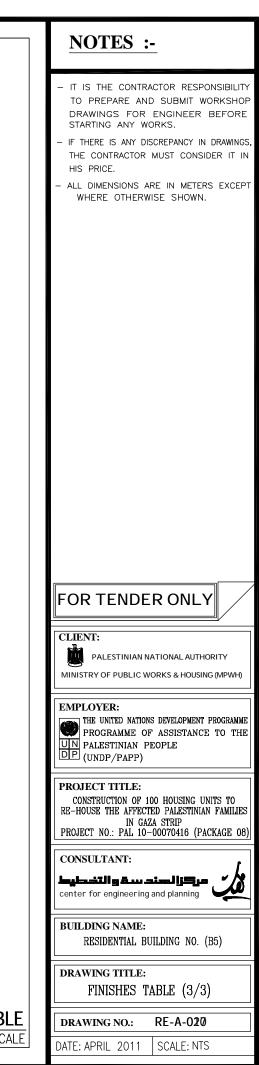
| البلاكين | الافراج ت | دورات العياه | الحما ما ت | غرف النوم | الموزعات | المطابغ | صالات المدخل | غرف الصعيشة | غرف الفيوف | الرقم | نوع التشطيب | البنه |
|----------|----------------------|--------------|------------|-----------|----------|---------|--------------|-------------|---------------------|-------|------------------------|--|
| ۲ | | | | ٢ | ٢ | | ٢ | ٥ | ٢ | | بلاط ڪسر رخام | Strand Contraction |
| | | ۲ | ۲ | | | ٩ | | | | 2 | بلاط کرا میکا | £) °* |
| | • | | | | | | | | | 3 | رخام أو جرانيت | |
| • | • | | | 0 | | | • | 0 | ٩ | 1 | قصارة ودهان سوبرڪريل | 1213-1 |
| | | ۲ | ۲ | | | ٩ | | | | 2 | بلاط کرامیکا حتی السقف | |
| ۲ | ۲ | 0 | ۲ | ٩ | | ٩ | ۲ | ٩ | ٩ | 1 | قصارة ودهان بوليسيد | jan and a start and a start a st |
| • | 0 | | | • | • | | 0 | • | ٢ | 1 | ڪسر رخام | |
| | ٥ | | | | | | | | | 2 | رخام أو جرانيت | Je la |
| | قصارة + رشقة شبرير 🌒 | | | | | | | | الحوائط الخارجية | | | |



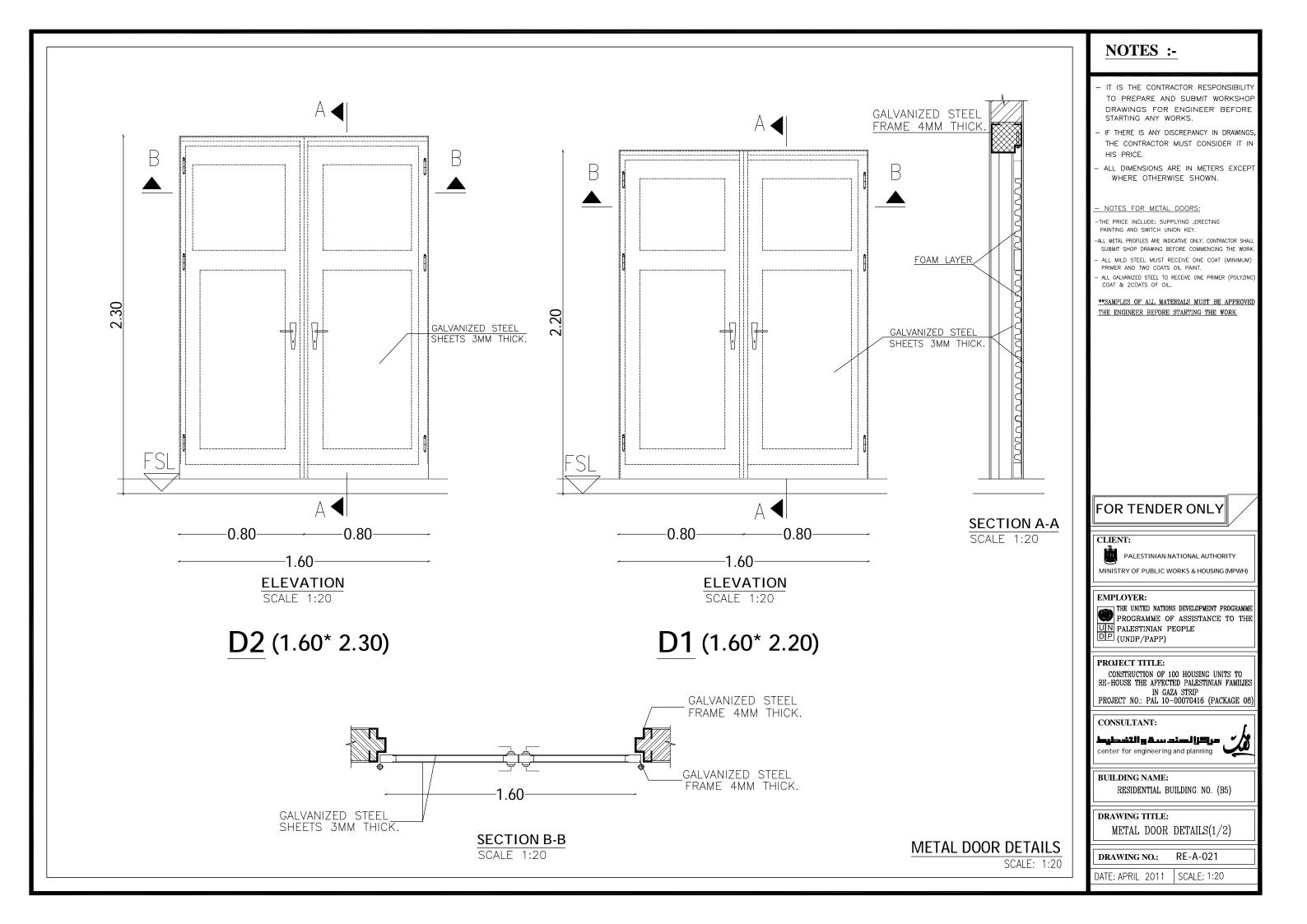
FINISHES TABLE SCALE: NOT TO SCALE

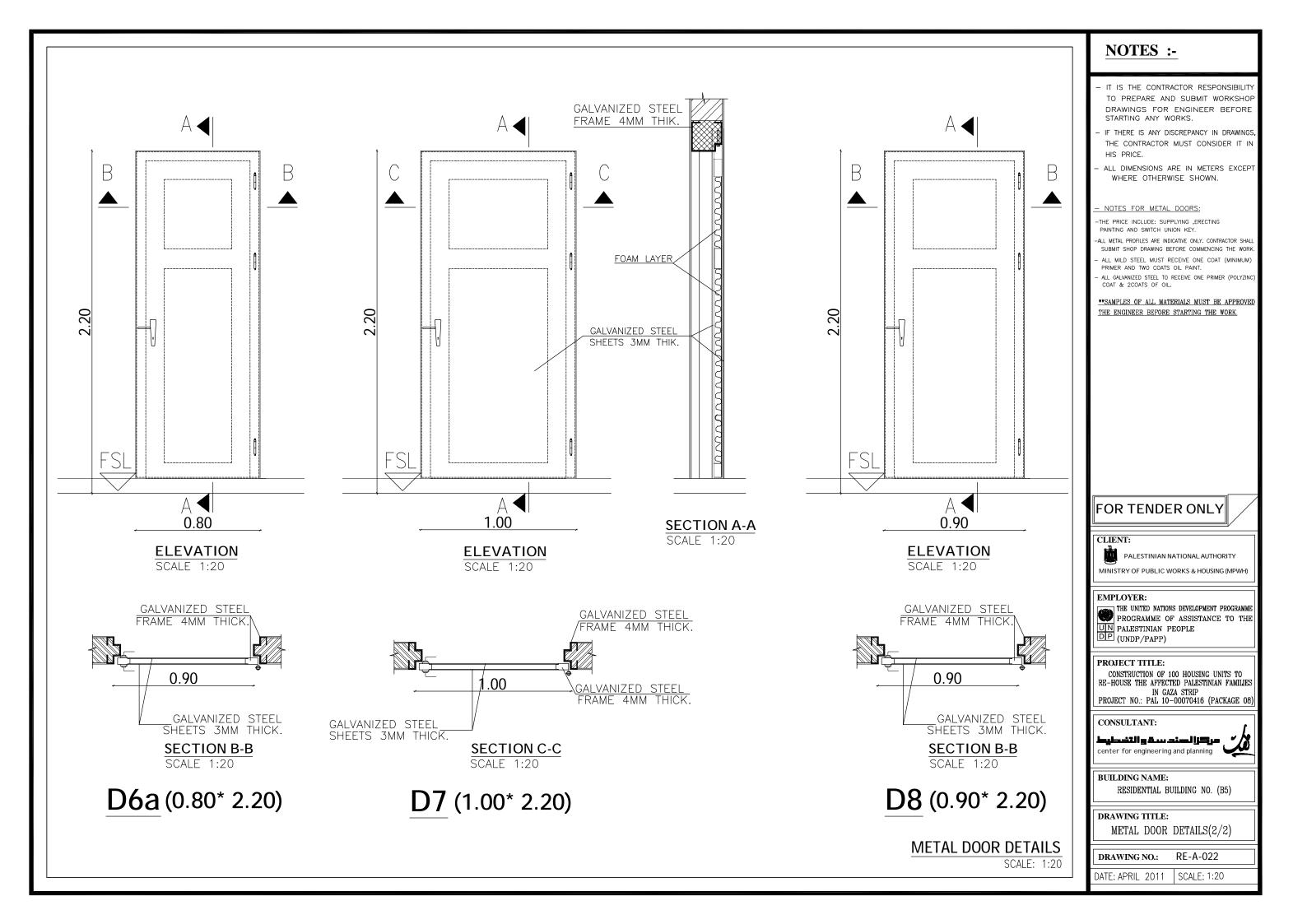
| التشطيبا ت | چدول |
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| ق المتكرر | į (b) (|

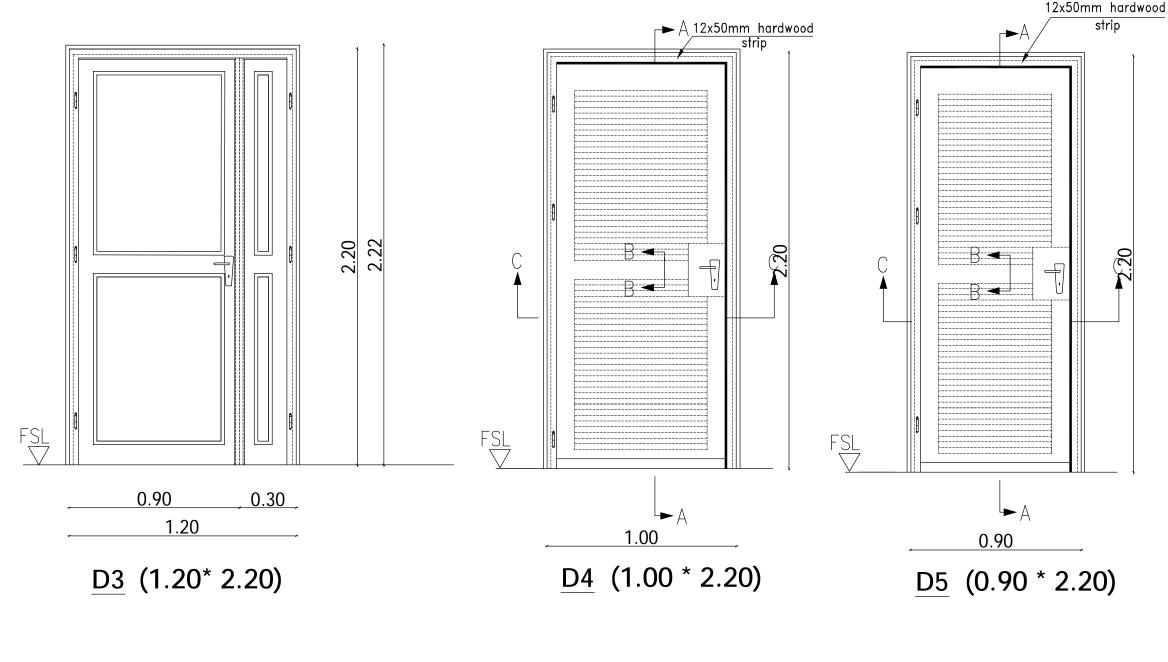
| البلاكين | الادراج | دورات الصياه | الدمامات | غرف النوم | ا لمورْعا ت | المطابخ | ميالات المدخل | غرف الصعيشة | غرف الفيوف | الرقح | نوع التشطيب | البند |
|----------|-----------|--------------|----------|-----------|-------------|---------|---------------|-------------|---------------------|-------|------------------------|---|
| ۲ | | | | ٩ | • | | ٠ | ۲ | ٩ | 1 | بلاط کسر رخام | |
| | | ۲ | ۲ | | | ۲ | | | | 2 | بلاط کرا میکا | € |
| | • | | | | | | | | | Ŋ | رځام أو جرانيت | |
| ۲ | ۲ | | | • | ۲ | | • | • | ۲ | 1 | قصارة ودهان سوبرڪريل | |
| | | ۲ | • | | | ٢ | | | | 2 | بلاط كراميكا حتى السقف | A Part |
| ٩ | ۲ | ۲ | 0 | ٠ | ٠ | ٠ | • | • | • | 1 | قصارة ودهان بوليسيد | in the second |
| ۲ | • | | | ٩ | ٩ | | ۲ | ۲ | ۲ | 1 | کسر رځام | |
| | ۲ | | | | | | | | | 2 | رځام أو جرانيت | y. |
| | ی مرمرینا | | | | | | | | الحوائط الخارجية | | | |



FINISHES TABLE SCALE: NOT TO SCALE

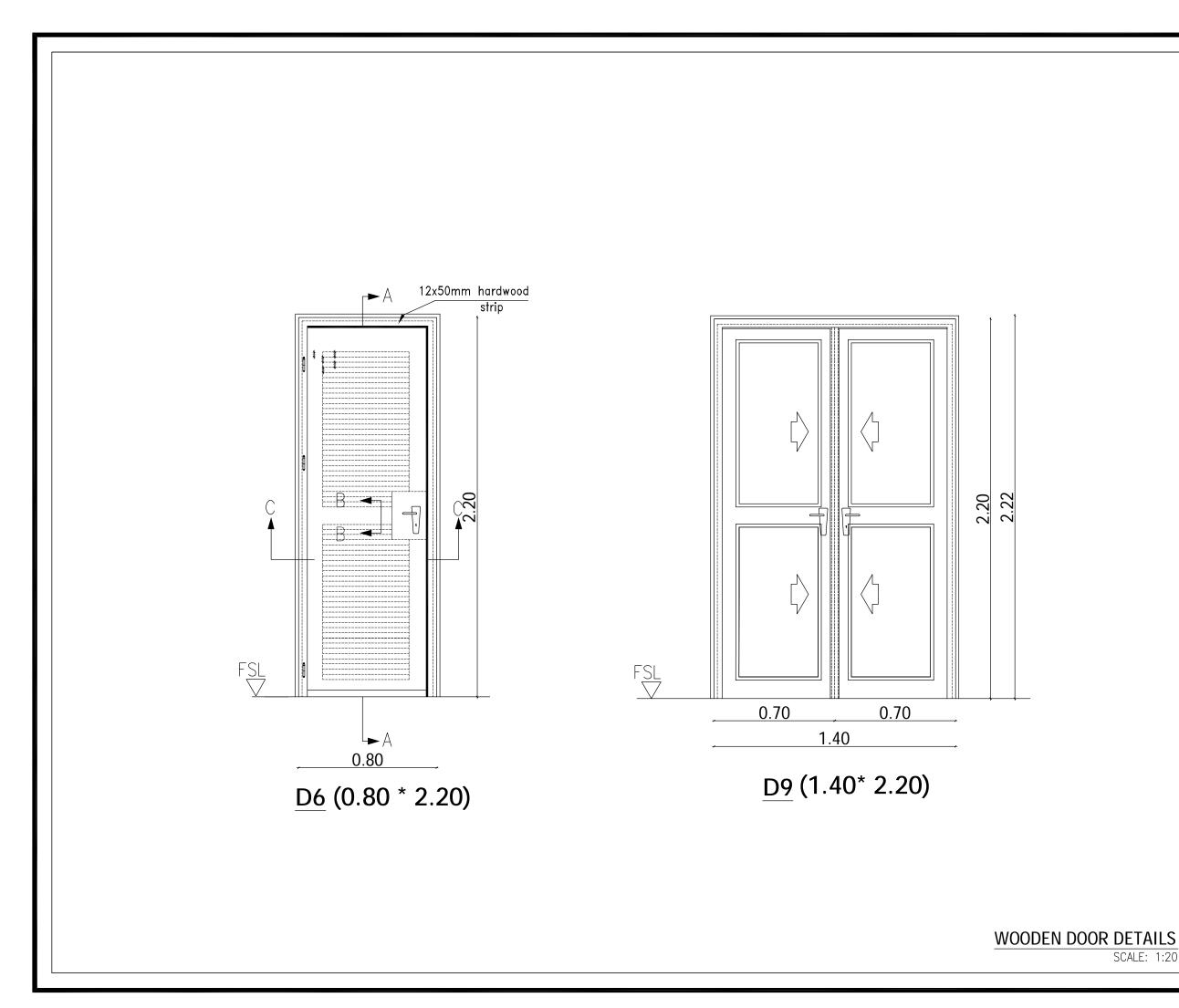


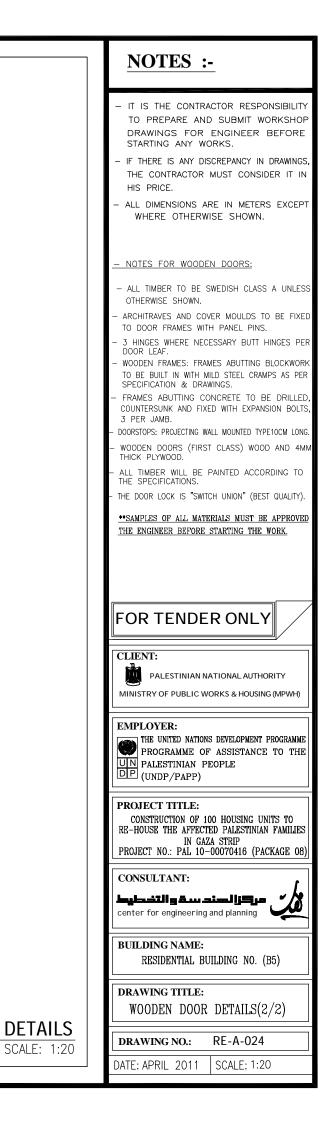


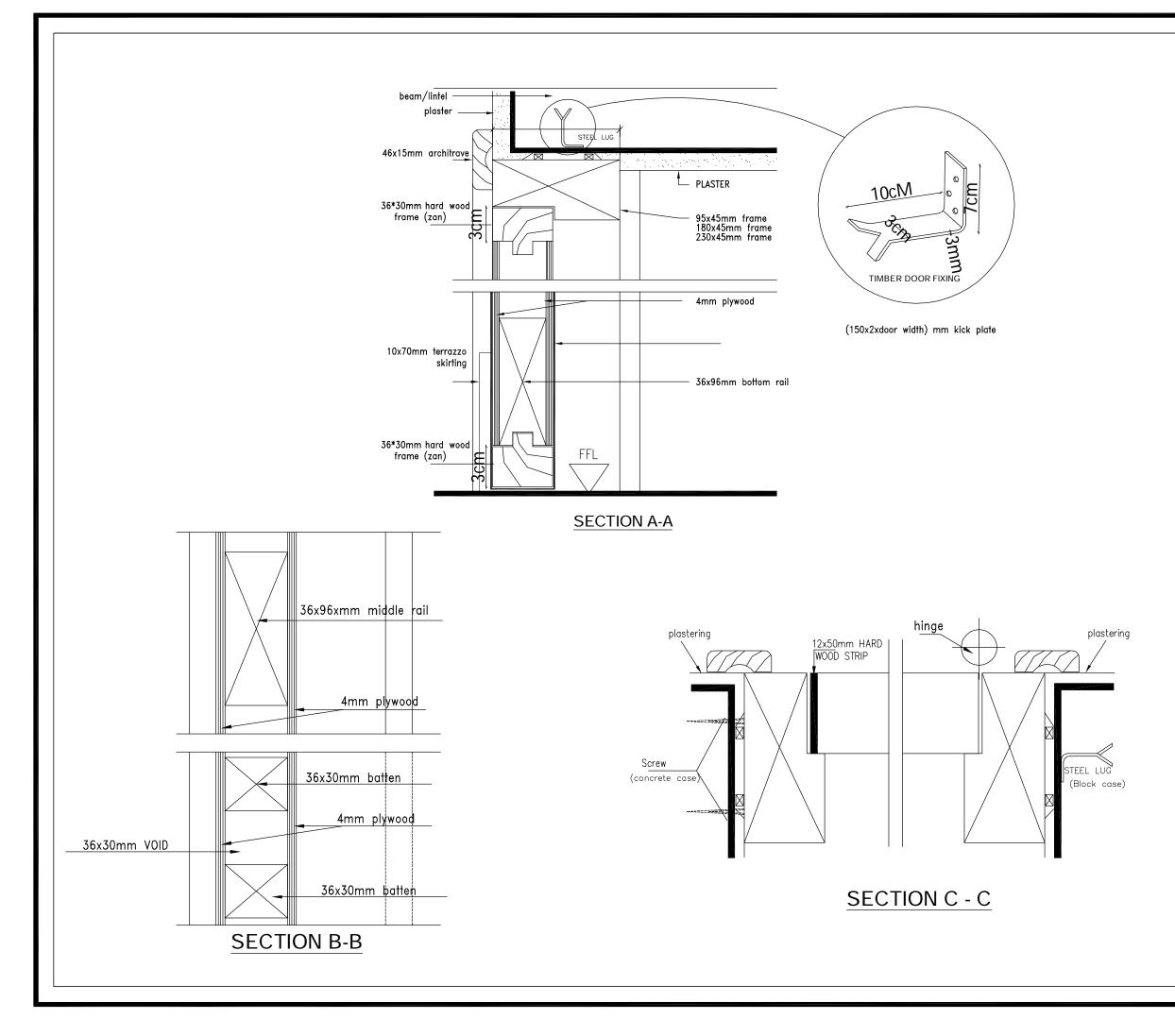


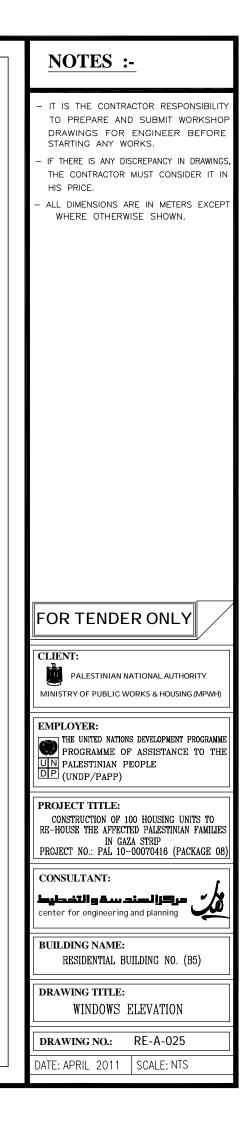
WOODEN DOOR DETAILS

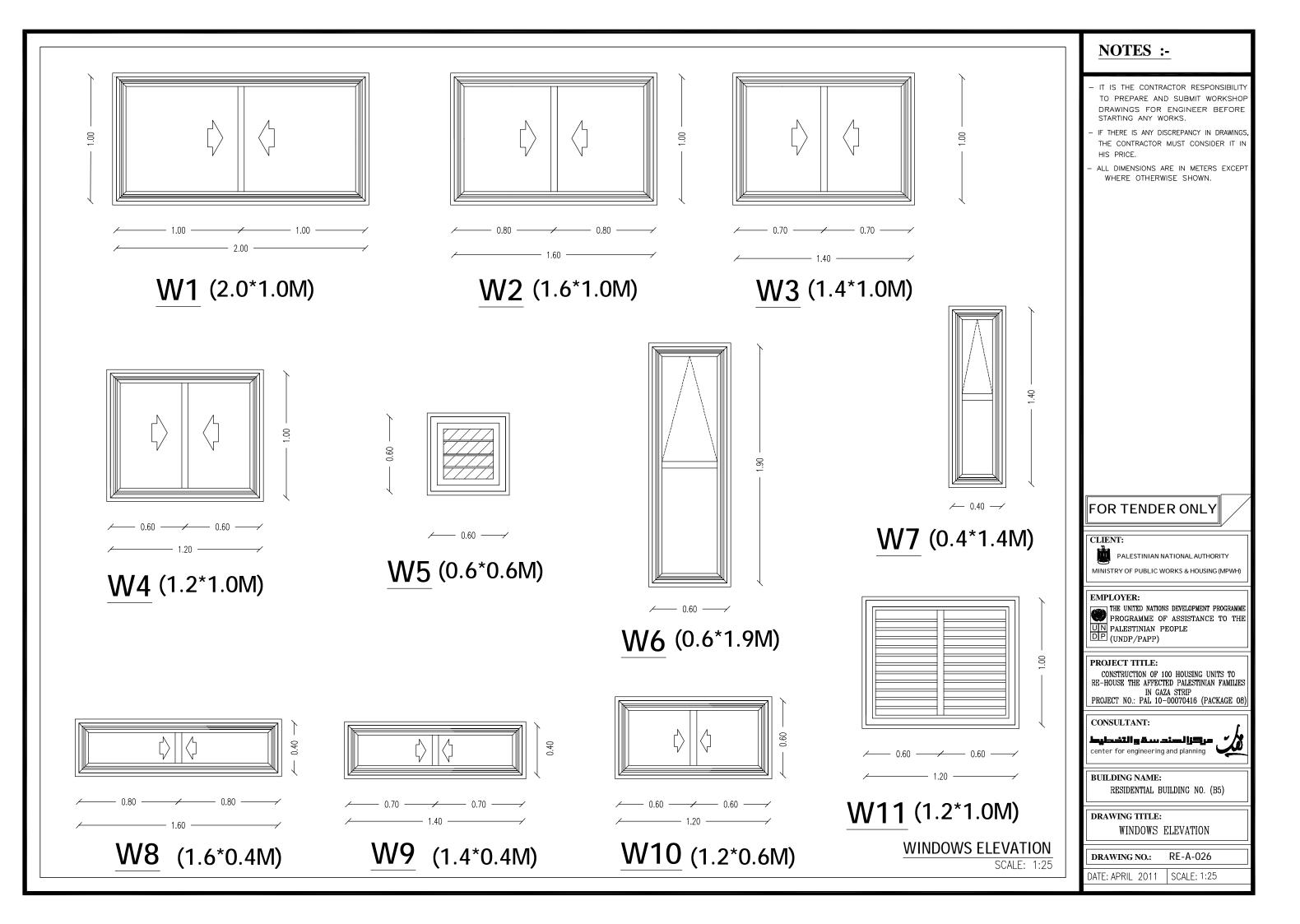
NOTES :-- IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE STARTING ANY WORKS. IF THERE IS ANY DISCREPANCY IN DRAWINGS THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. ALL DIMENSIONS ARE IN METERS EXCEPT WHERE OTHERWISE SHOWN. - NOTES FOR WOODEN DOORS: ALL TIMBER TO BE SWEDISH CLASS A UNLESS OTHERWISE SHOWN. ARCHITRAVES AND COVER MOULDS TO BE FIXED TO DOOR FRAMES WITH PANEL PINS. 3 HINGES WHERE NECESSARY BUTT HINGES PER DOOR LEAF. WOODEN FRAMES: FRAMES ABUTTING BLOCKWORK TO BE BUILT IN WITH MILD STEEL CRAMPS AS PER SPECIFICATION & DRAWINGS. FRAMES ABUTTING CONCRETE TO BE DRILLED COUNTERSUNK AND FIXED WITH EXPANSION BOLTS 3 PER JAMB. DOORSTOPS: PROJECTING WALL MOUNTED TYPE10CM LONG. WOODEN DOORS (FIRST CLASS) WOOD AND 4MM THICK PLYWOOD. ALL TIMBER WILL BE PAINTED ACCORDING TO THE SPECIFICATIONS. THE DOOR LOCK IS "SWITCH UNION" (BEST QUALITY). 20 **SAMPLES OF ALL MATERIALS MUST BE APPROVED Ň THE ENGINEER BEFORE STARTING THE WORK. FOR TENDER ONLY CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) **EMPLOYER:** PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE DP (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: مرکزا لسند سقو التخطيط center for engineering and planning **BUILDING NAME:** RESIDENTIAL BUILDING NO. (B5) DRAWING TITLE: WOODEN DOOR DETAILS(1/2)RE-A-023 DRAWING NO .: SCALE: 1:20 DATE: APRIL 2011 | SCALE: 1:20

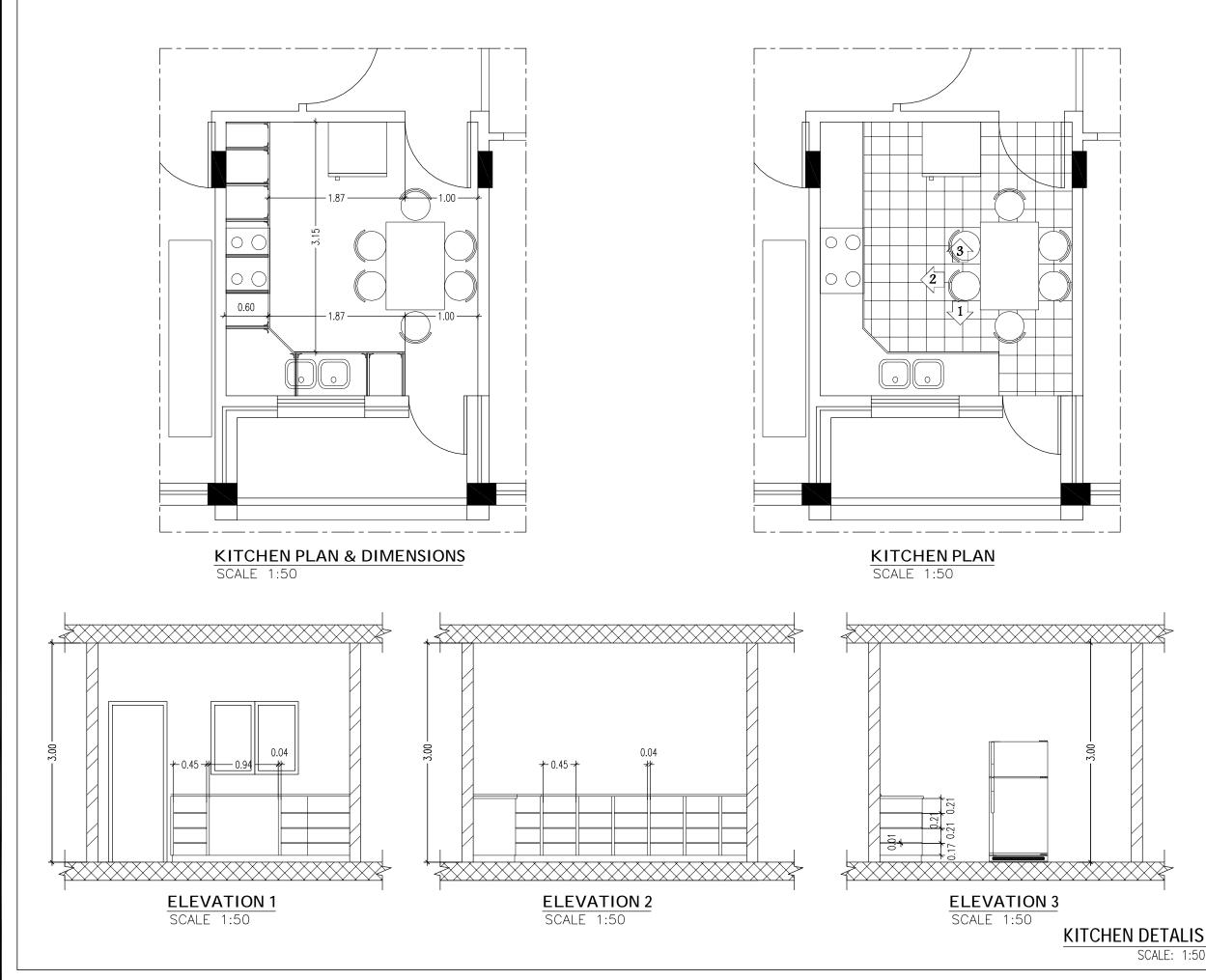


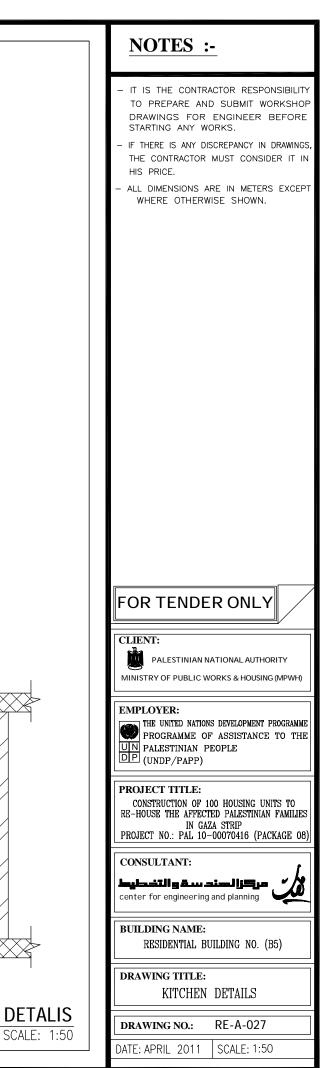


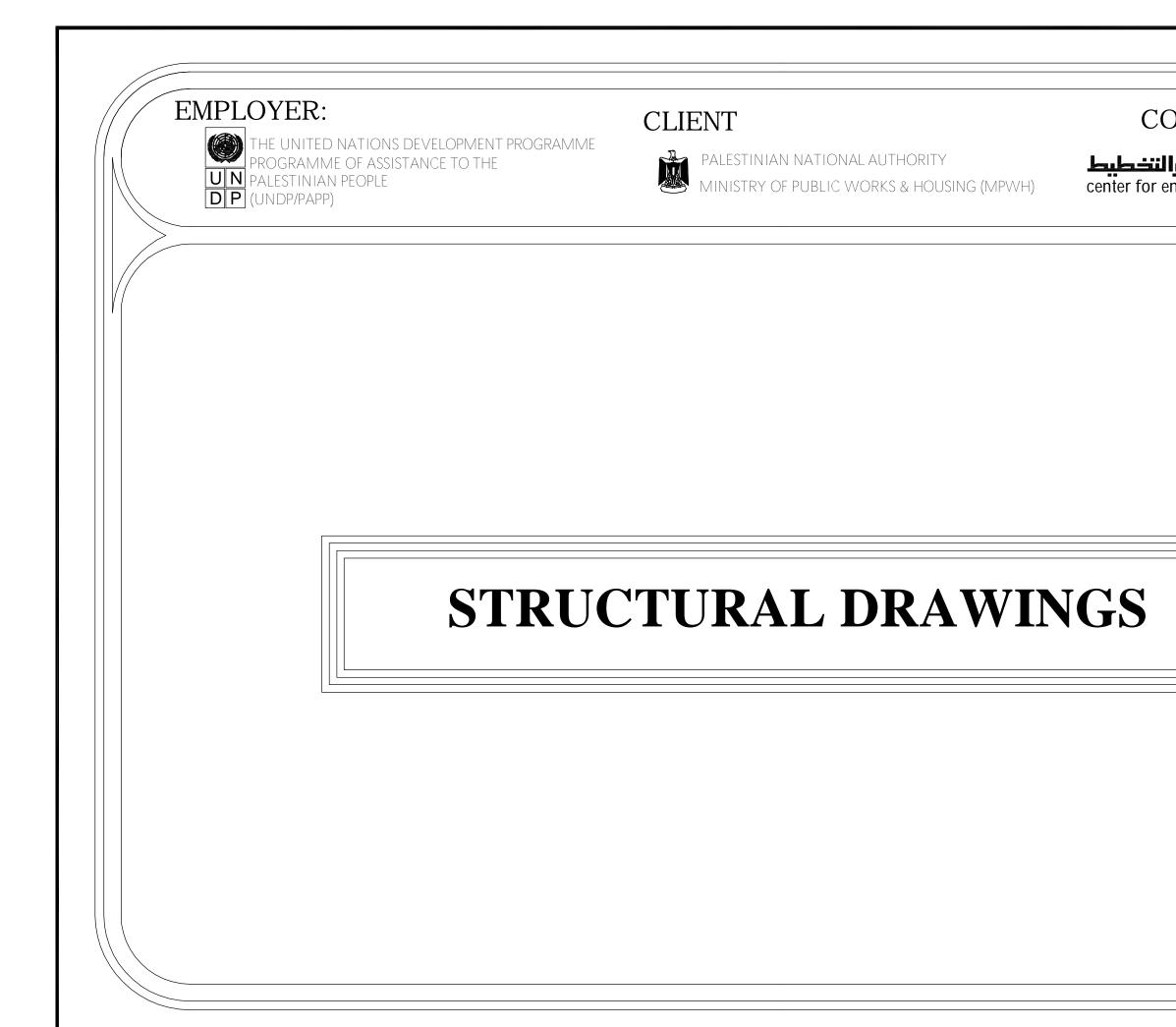














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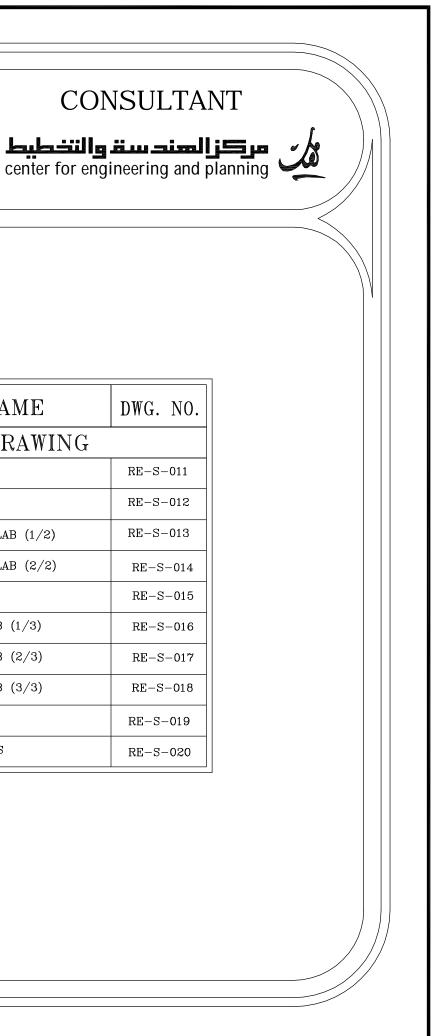


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE DP (UNDP/PAPP)

CLIENT



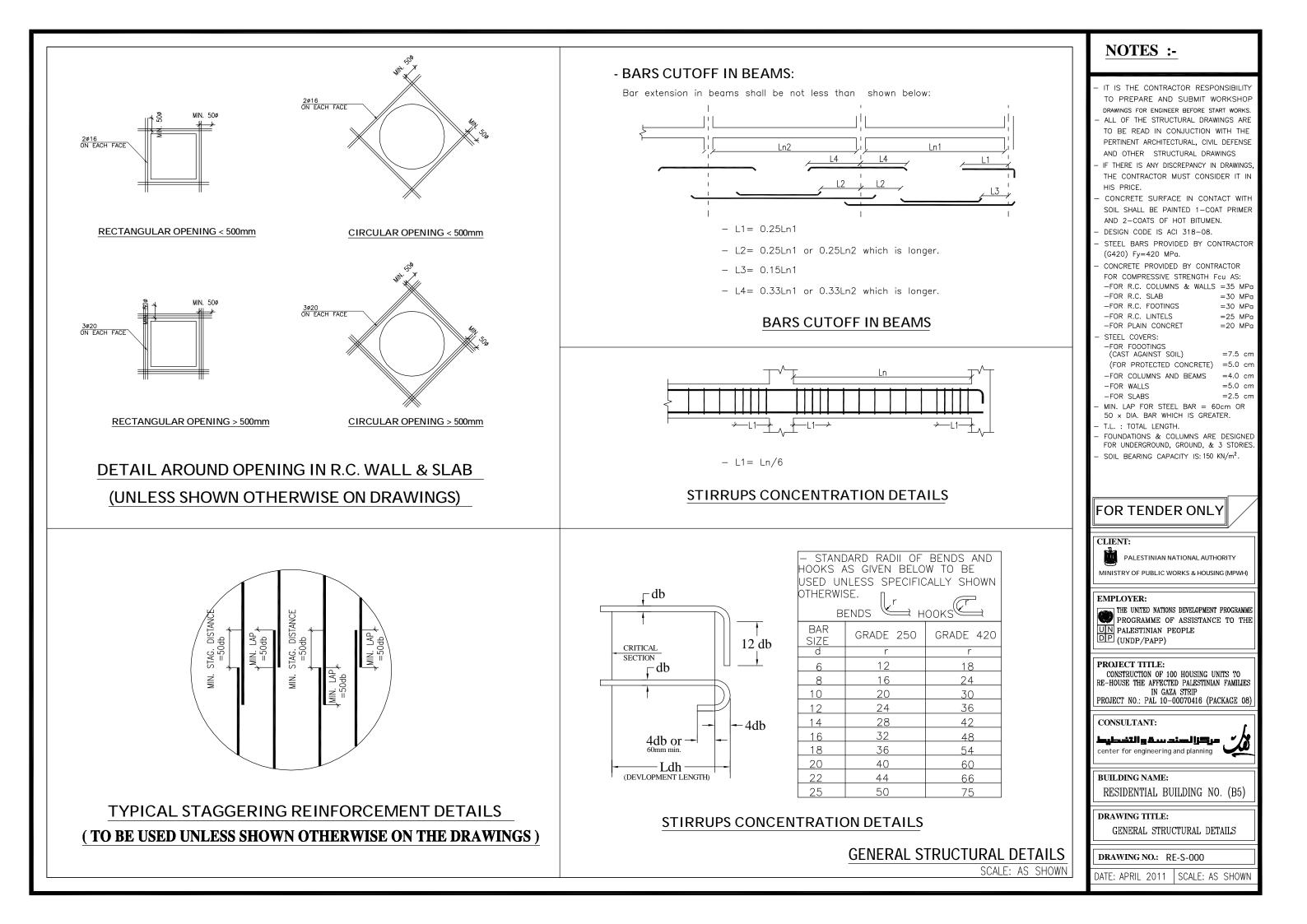
PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSI MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

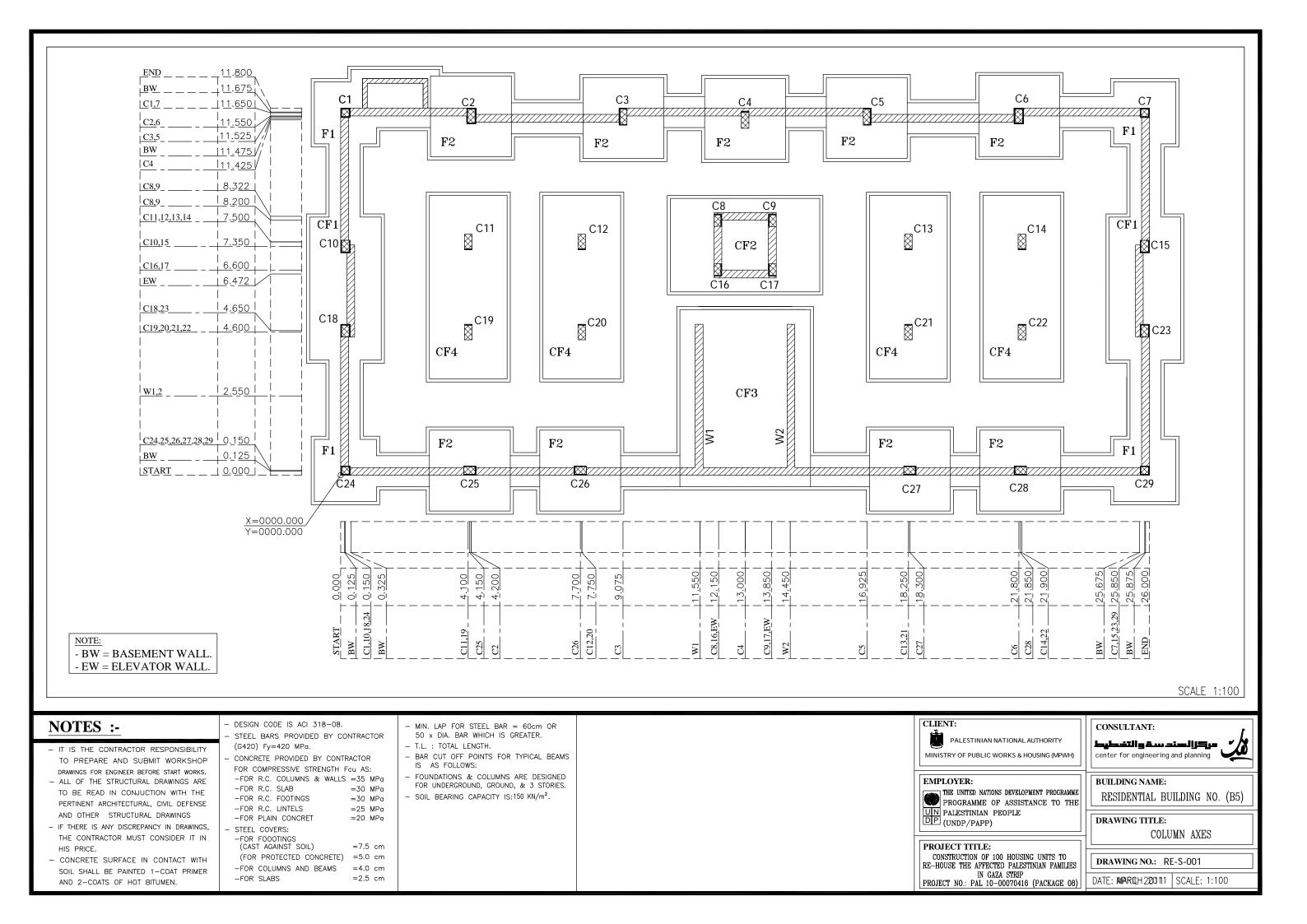


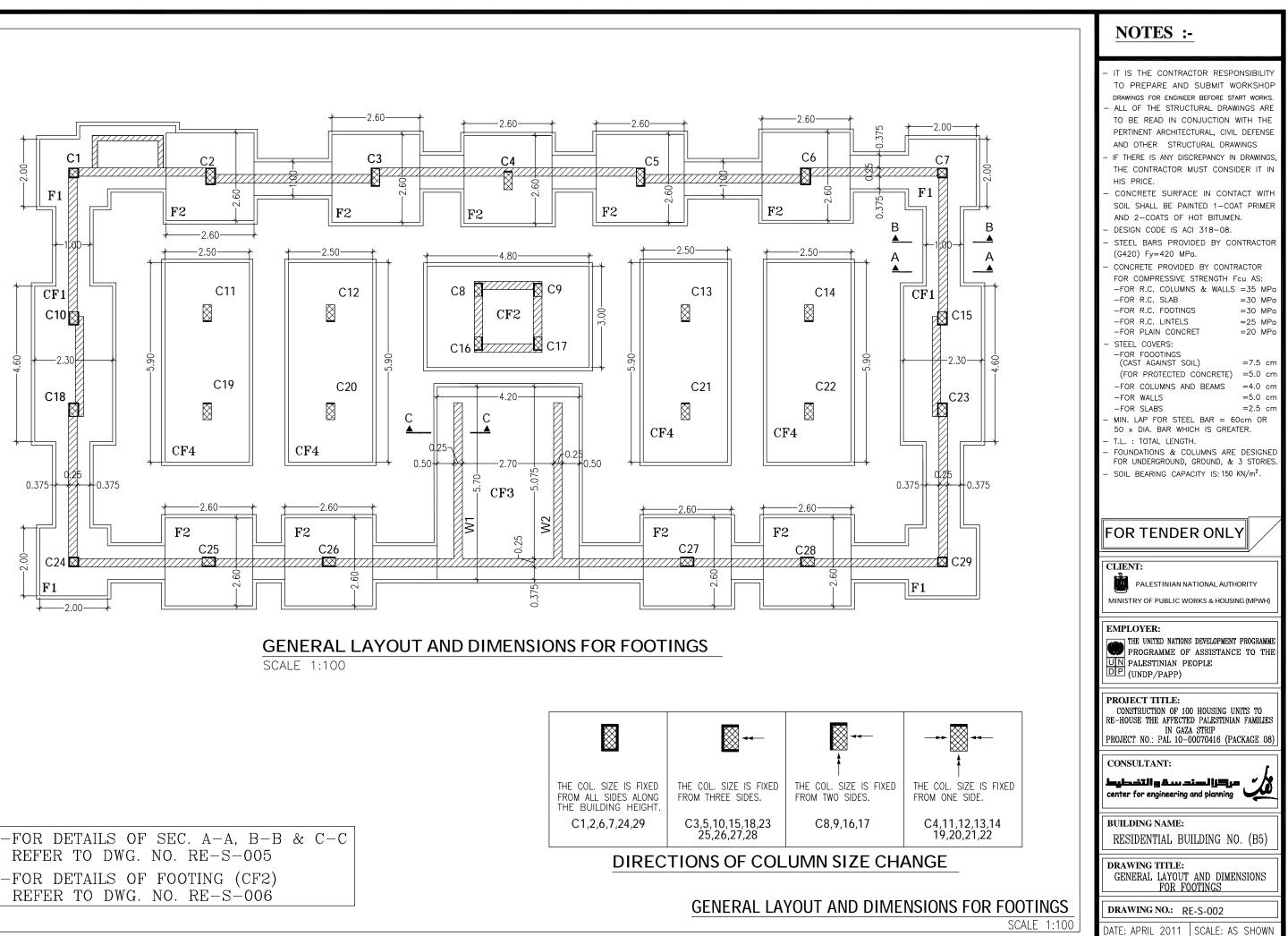
LIST OF DRAWINGS

| S/NO. | DRAWING NAME | DWG. NO. | | | | | |
|-------|--|----------|--|--|--|--|--|
| | STRUCTURAL DRAWING | | | | | | |
| 01/21 | GENERAL STRUCTURAL DETAILS | RE-S-000 | | | | | |
| 02/21 | COLUMN AXES | RE-S-001 | | | | | |
| 03/21 | GENERAL LAYOUT AND DIMENSIONS FOR FOOTINGS | RE-S-002 | | | | | |
| 04/21 | FOOTING DETAILS (1/2) | RE-S-003 | | | | | |
| 05/21 | FOUNDATIONS DETAILS (2/2) | RE-S-004 | | | | | |
| 06/21 | BASEMENT WALL & SHEAR WALL DETAILS | RE-S-005 | | | | | |
| 07/21 | ELEVATOR WALL DETAILS | RE-S-006 | | | | | |
| 08/21 | COLUMNS DETAILS (1/4) | RE-S-007 | | | | | |
| 09/21 | COLUMNS DETAILS (2/4) | RE-S-008 | | | | | |
| 10/21 | COLUMNS DETAILS (3/4) | RE-S-009 | | | | | |
| 11/21 | COLUMNS DETAILS (4/4) | RE-S-010 | | | | | |

| S/NO. | DRAWING NAME | | | | | | | |
|-------|--------------------------------------|--|--|--|--|--|--|--|
| | STRUCTURAL DRAWING | | | | | | | |
| 12/21 | GROUND BEAMS DETAILS | | | | | | | |
| 13/21 | BASEMENT SLAB DETAILS | | | | | | | |
| 14/21 | BEAMS DETAILS OF BASEMENT SLAB (1/2) | | | | | | | |
| 15/21 | BEAMS DETAILS OF BASEMENT SLAB (2/2) | | | | | | | |
| 16/21 | TYPICAL SLAB DETAILS | | | | | | | |
| 17/21 | BEAMS DETAILS OF TYPICAL SLAB (1/3) | | | | | | | |
| 18/21 | BEAMS DETAILS OF TYPICAL SLAB (2/3) | | | | | | | |
| 19/21 | BEAMS DETAILS OF TYPICAL SLAB (3/3) | | | | | | | |
| 20/21 | STAIRS ROOF SLAB DETAILS | | | | | | | |
| 21/21 | STRUCTURAL DETAILS FOR STAIRS | | | | | | | |
| | | | | | | | | |



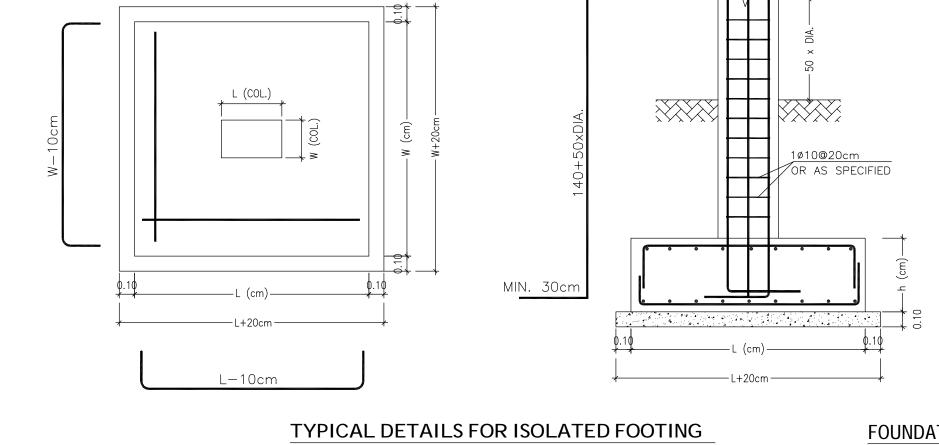




| -FOR DETAILS OF SEC. A-A, B-B REFER TO DWG. NO. RE-S-005 | & | С-С |
|---|---|-----|
| -FOR DETAILS OF FOOTING (CF2) REFER TO DWG. NO. RE-S-006 | | |

| Table of | Footings | (ISOLATED) |
|----------|----------|------------|
|----------|----------|------------|

| Foot | ing | tal | Foot | ings | size | F | Reinforcen | nent |
|-----------|--------------------------|--------|-------|-------|-------|-------------|-------------|--|
| FOOT. NO. | COL. NO. | 0 E | L(cm) | W(cm) | h(cm) | LONG DIR. | SHORT DIR. | Shape |
| F1 | 1,7,24,29 | 4 | 200 | 200 | 40 | 1ø12@15cm | 1ø12@15cm | TOP/190cm 20 BOT/190cm T.L=230cm |
| F2 | 2,3,4,5,6 25,26,27,28 | 9 | 260 | 260 | 50 | 1ø12@12.5cm | 1ø12@12.5cm | TOP/250cm 30 BOT/250m T.L=310cm |



FOUNDATIONS DETAILS (1/2)

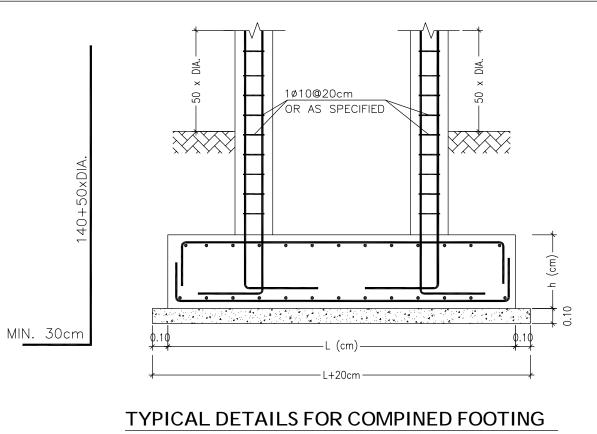
SCALE: AS SHOWN

| IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE AND OTHER STRUCTURAL DRAWINGS. IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1–COAT PRIMER AND 2–COATS OF HOT BITUMEN. DESIGN CODE IS ACI 318–08. STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH FCu AS: |
|--|
| -FOR R.C. COLUMNS & WALLS = 35 MPa -FOR R.C. SLAB = 30 MPa -FOR R.C. FOOTINGS = 30 MPa -FOR R.C. LINTELS = 25 MPa -FOR PLAIN CONCRET = 20 MPa STEEL COVERS: -FOR FOOOTINGS (CAST AGAINST SOIL) = 7.5 cm (FOR PROTECTED CONCRETE) = 5.0 cm -FOR COLUMNS AND BEAMS = 4.0 cm -FOR WALLS = 5.0 cm -FOR SLABS = 2.5 cm MIN. LAP FOR STEEL BAR = 60cm OR 50 x DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, GROUND, & 3 STORIES. SOIL BEARING CAPACITY IS: 150 KN/m ² . |



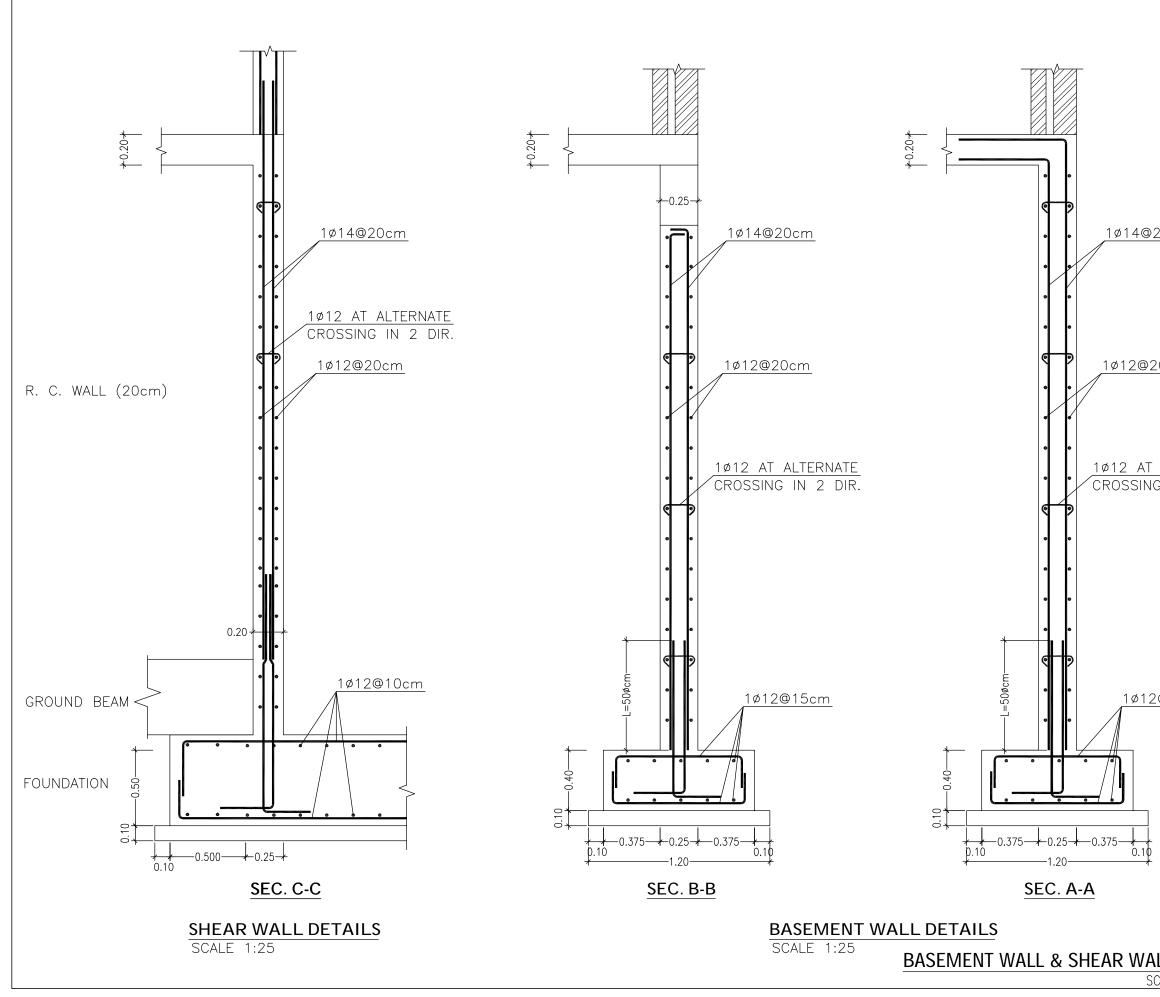
Table of Footings (COMBINED)

| Footing | | tal | Foot | ings | size | F | Reinforce | ment |
|-----------|----------------------------|-------|-------|-------|-------|---------------------------|----------------------------|-------------------------------|
| FOOT. NO. | COL. NO. | Total | L(cm) | W(cm) | h(cm) | LONG DIR. (TOP & BOT.) | SHORT DIR. (TOP & BOT.) | Shape |
| CF1 | 10,15,18,23 | 2 | 460 | 230 | 40 | 1ø12@15cm | 1ø12@15cm | 20 BOT. L OR W-10cm |
| CF2 | 8,9,16,17 | 1 | 480 | 300 | 30 | 1ø12@20cm | 1ø12@20cm | TOP 15 BOT. L OR W-10cm |
| CF3 | W1,W2 | 1 | 570 | 420 | 50 | 1ø12@10cm | 1ø12@10cm | TOP 30 BOT. L OR W-10cm |
| CF4 | 11,19,12,20 13,21,14,22 | 4 | 590 | 250 | 50 | 1ø12@10cm | 1ø12@10cm | TOP 30 BOT. L OR W-10cm |

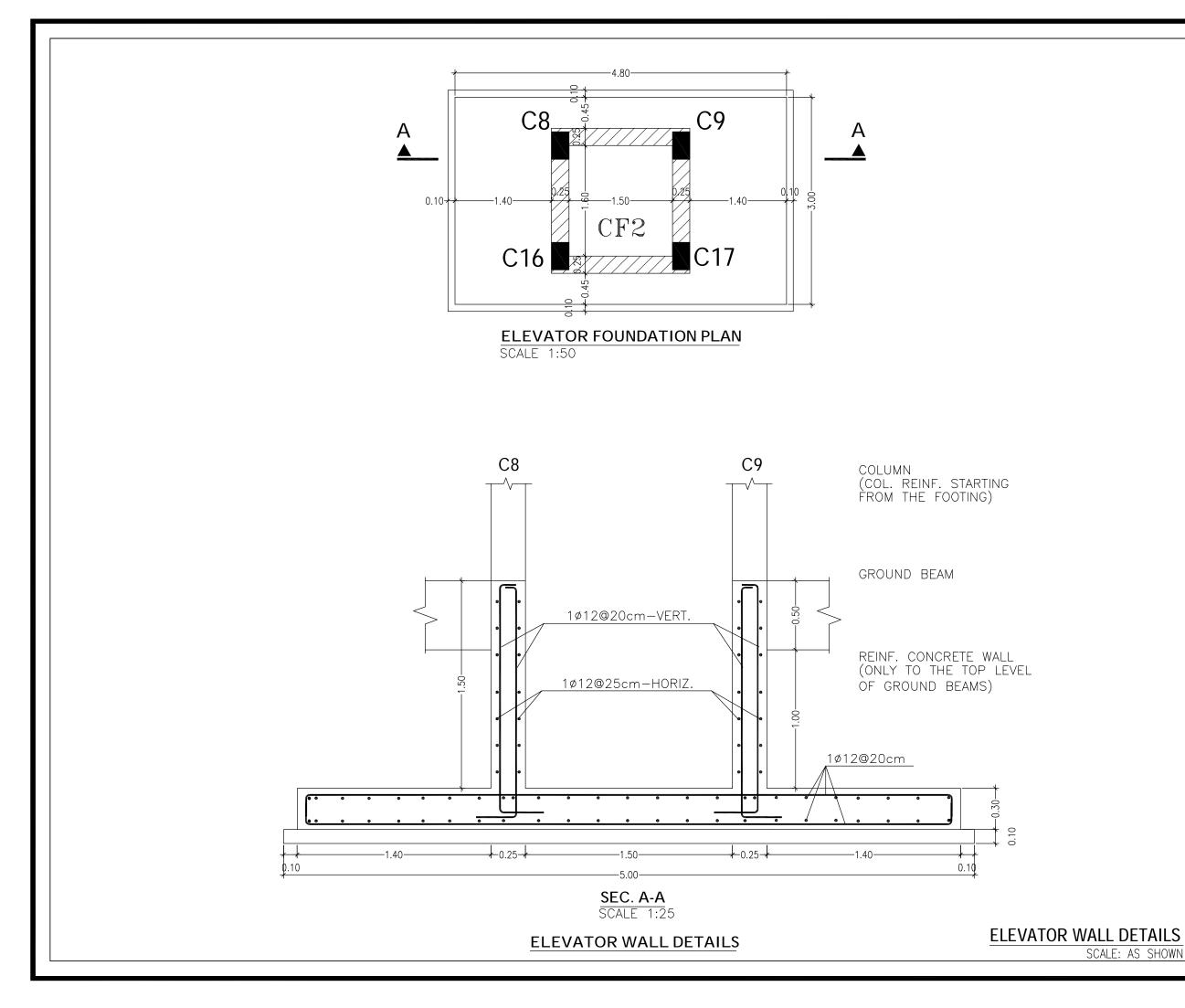


| | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. | | | | | |
|--|--|--|--|--|--|--|
| | ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE | | | | | |
| | AND OTHER STRUCTURAL DRAWINGS – IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN | | | | | |
| | HIS PRICE. – CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1–COAT PRIMER AND 2. CONTR OF UNIT | | | | | |
| | AND 2-COATS OF HOT BITUMEN. - DESIGN CODE IS ACI 318-08. - STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. | | | | | |
| | CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH Fcu AS: FOR R.C. COLUMNS & WALLS =35 MPa FOR R.C. SLAB =30 MPa FOR R.C. FOOTINGS =30 MPa | | | | | |
| | $\begin{array}{llllllllllllllllllllllllllllllllllll$ | | | | | |
| | (FOR PROTECTED CONCRETE)=5.0 cm-FOR COLUMNS AND BEAMS=4.0 cm-FOR WALLS=5.0 cm-FOR SLABS=2.5 cm | | | | | |
| | MIN. LAP FOR STEEL BAR = 60cm OR 50 × DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED | | | | | |
| | FOR UNDERGROUND, GROUND, & 3 STORIES. – SOIL BEARING CAPACITY IS: 150 KN/m ² . | | | | | |
| | | | | | | |
| | FOR TENDER ONLY | | | | | |
| | FOR TENDER ONLY | | | | | |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY | | | | | |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE | | | | | |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE UIN PALESTINIAN PEOPLE (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP | | | | | |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE UIN PALESTINIAN PEOPLE UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Lage=110 & Location (Consultant) | | | | | |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Laberting Ban simplicate center for engineering and planning BUILDING NAME: | | | | | |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Laberill B & Laberill Construction of planning CONSULTANT: Laberill B & Laberill Construction of planning CONSULTANT: Mathematical Construction of planning CONSULTANT | | | | | |



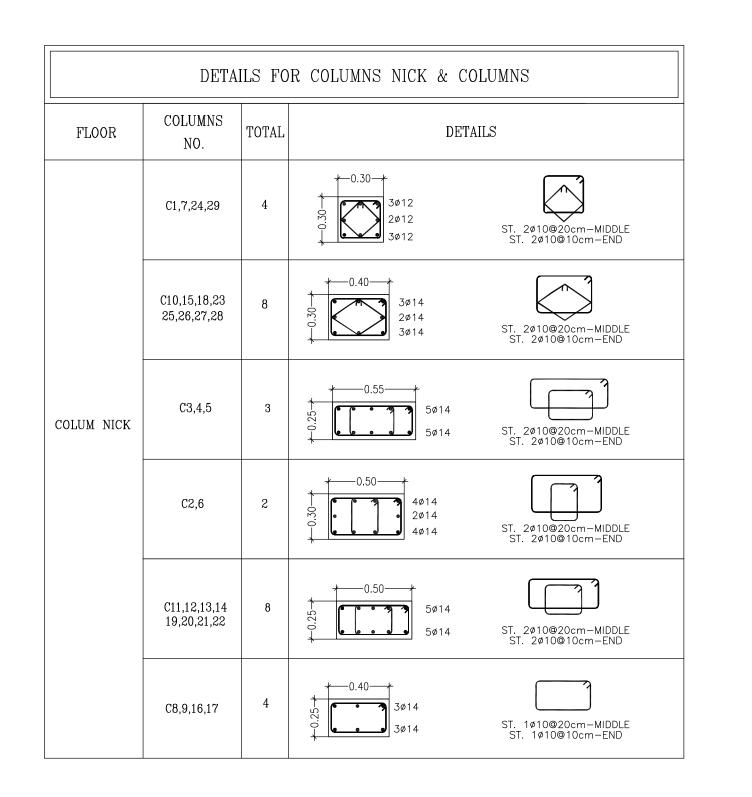


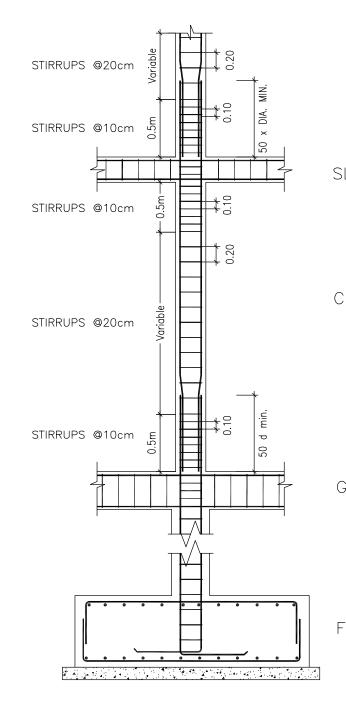
| | <u>NOTES :-</u> |
|---------------------------------|---|
| | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE AND OTHER STRUCTURAL DRAWINGS IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1-COAT PRIMER AND 2-COATS OF HOT BITUMEN. DESIGN CODE IS ACI 318-08. |
| <u>20cm</u> | STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH Fcu AS: -FOR R.C. COLUMNS & WALLS =35 MPa FOR R.C. SLAB = 30 MPa FOR R.C. FOOTINGS = 30 MPa |
| <u>!0cm</u> | -FOR R.C. LINTELS=25 MPa-FOR PLAIN CONCRET=20 MPa- STEEL COVERS:-FOR FOOOTINGS (CAST AGAINST SOIL)=7.5 cm(FOR PROTECTED CONCRETE)=5.0 cm-FOR COLUMNS AND BEAMS=4.0 cm-FOR WALLS=5.0 cm |
| <u>ALTERNATE</u> G IN 2 DIR. | -FOR SLABS =2.5 cm MIN. LAP FOR STEEL BAR = 60cm OR 50 × DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, GROUND, & 3 STORIES. SOIL BEARING CAPACITY IS: 150 KN/m². |
| | FOR TENDER ONLY |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) |
| <u>@15cm</u> | EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE UNDP/PAPP) |
| | PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | CONSULTANT: مرکزالسند سقوالتخطیط center for engineering and planning |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B5) |
| | DRAWING TITLE: BASEMENT WALL & SHEAR WALL DETAILS |
| LL DETAILS | DRAWING NO.: RE-S-005 |
| CALE: AS SHOWN | DATE: APRIL 2011 SCALE: AS SHOWN |
| | |



| - IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP |
|--|
| DRAWINGS FOR ENGINEER BEFORE START WORKS. – ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE |
| AND OTHER STRUCTURAL DRAWINGS – IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN |
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| AND 2-COATS OF HOT BITUMEN. - DESIGN CODE IS ACI 318-08. - STEEL BARS PROVIDED BY CONTRACTOR |
| (G420) Fy=420 MPa. - CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH Fcu AS: |
| -FOR R.C. COLUMNS & WALLS =35 MPa -FOR R.C. SLAB =30 MPa -FOR R.C. FOOTINGS =30 MPa -FOR R.C. LINTELS =25 MPa |
| FOR PLAIN CONCRET =20 MPa STEEL COVERS: FOR FOODTINGS (CAST AGAINST SOIL) =7.5 cm |
| (FOR PROTECTED CONCRETE) =5.0 cm -FOR COLUMNS AND BEAMS =4.0 cm -FOR WALLS =5.0 cm |
| FOR SLABS =2.5 cm MIN. LAP FOR STEEL BAR = 60cm OR 50 x DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. |
| FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, GROUND, & 3 STORIES. SOIL BEARING CAPACITY IS: 150 KN/m². |
| |
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| FOR TENDER ONLY |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE UIN PALESTINIAN PEOPLE (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Lage-atilg & u. atimal (LED) a |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Laboriting and planning Consultant: Laboriting and planning |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE UN PALESTINIAN PEOPLE UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: CONSULTANT: Consultant: RESIDENTIAL BUILDING NO. (B5) DRAWING TITLE: |







TYPICAL DETAILS FOR COLUMN STIRRUP SPACING

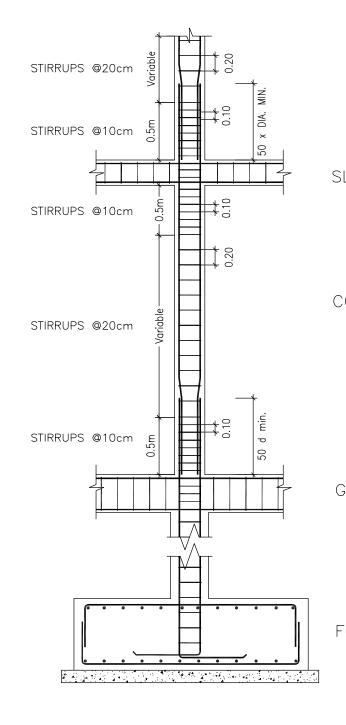
NOT TO SCALE

COLUMNS DE

SC

| | NOTES :- |
|-------------------------------|--|
| COLUMN | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE AND OTHER STRUCTURAL DRAWINGS. IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1–COAT PRIMER AND 2–COATS OF HOT BITUMEN. DESIGN CODE IS ACI 318–08. STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH Fcu AS: –FOR R.C. COLUMNS & WALLS =35 MPa –FOR R.C. SLAB =30 MPa FOR R.C. LINTELS =25 MPa FOR FLAIN CONCRET =20 MPa STEEL COVERS: –FOR FOR FOOTINGS (CAST AGAINST SOIL) =7.5 cm (FOR PROTECTED CONCRETE) =5.0 cm –FOR WALLS =5.0 cm FOR WALLS =5.0 cm FOR WALLS =5.0 cm FOR SLABS =2.5 cm |
| | 50 × DIA. BAR WHICH IS GREATER. - T.L. : TOTAL LENGTH. - FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, GROUND, & 3 STORIES. - SOIL BEARING CAPACITY IS: 200 KN/m ² . |
| G. BEAM | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: |
| OUND. | THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES |
| | IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B5) |
| | DRAWING TITLE: COLUMNS DETAILS (1/4) |
| TAILS (1/3) CALE: AS SHOWN | DRAWING NO.: RE-S-007 DATE: APRIL 2011 SCALE: AS SHOWN |

| DETAILS FOR COLUMNS NICK & COLUMNS | | | | | | | |
|------------------------------------|-----------------------------|-------|--------------------------------------|---|--|--|--|
| FLOOR | COLUMNS NO. | TOTAL | DETAILS | | | | |
| | C1,7,24,29 | 4 | 0.30 3ø12 2ø12 3ø12 3ø12 | ST. 2ø10@20cm-MIDDLE ST. 2ø10@10cm-END | | | |
| BASEMENT FLOOR | C10,15,18,23 25,26,27,28 | 8 | 0.40 3ø14 2ø14 3ø14 | ST. 2ø10@20cm-MIDDLE ST. 2ø10@10cm-END | | | |
| | C3,4,5 | 3 | 0.55 5ø14 5ø14 5ø14 | ST. 2ø10@20cm-MIDDLE ST. 2ø10@10cm-END | | | |
| | C2,6 | 2 | 0.50 4ø14 2ø14 4ø14 | ST. 2Ø10@20cm-MIDDLE ST. 2Ø10@10cm-END | | | |
| | C11,12,13,14 19,20,21,22 | 8 | 0.50 5ø14 5ø14 | ST. 2ø10@20cm-MIDDLE ST. 2ø10@10cm-END | | | |
| | C8,9,16,17 | 4 | 0.40 3ø14 3ø14 | ST. 1ø10@20cm-MIDDLE ST. 1ø10@10cm-END | | | |



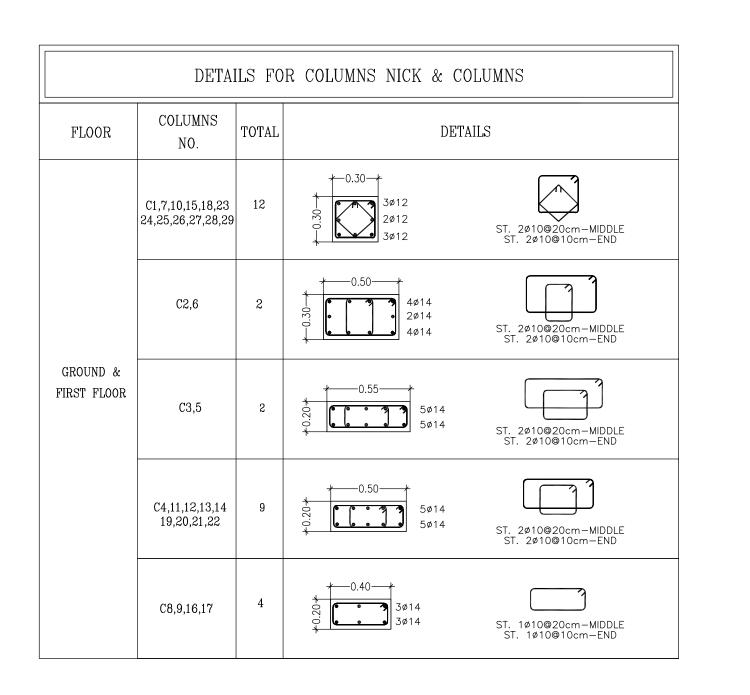
TYPICAL DETAILS FOR COLUMN STIRRUP SPACING

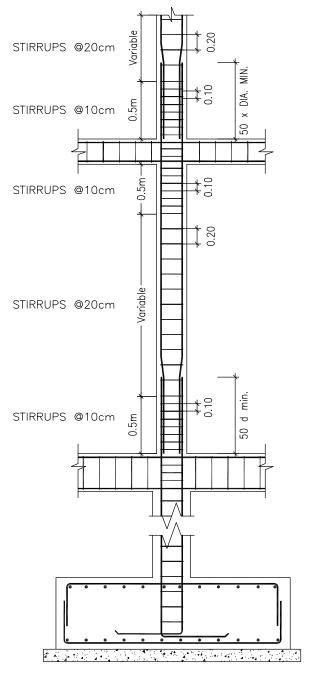
NOT TO SCALE

COLUMNS DE

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| | <u>NOTES :-</u> |
|-------------------------------|---|
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| OLUMN | (CAST AGAINST SOIL) =7.5 cm (FOR PROTECTED CONCRETE) =5.0 cm -FOR COLUMNS AND BEAMS =4.0 cm -FOR WALLS =5.0 cm -FOR SLABS =2.5 cm MIN. LAP FOR STEEL BAR = 60cm OR 50 x DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. - FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, GROUND, & 3 STORIES. - SOIL BEARING CAPACITY IS: 200 KN/m². |
| G. BEAM | FOR TENDER ONLY |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) |
| OUND. | EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE UNDP/PAPP) |
| | PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | CONSULTANT: مركزا لهندسة والتخطيط center for engineering and planning |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B5) |
| | DRAWING TITLE: COLUMNS DETAILS (2/4) |
| TAILS (1/3) CALE: AS SHOWN | DRAWING NO.: RE-S-008 DATE: APRIL 2011 SCALE: AS SHOWN |
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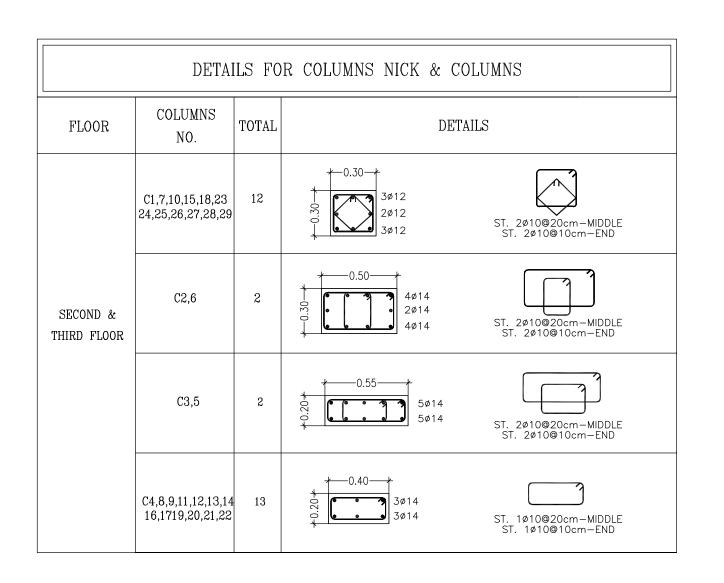


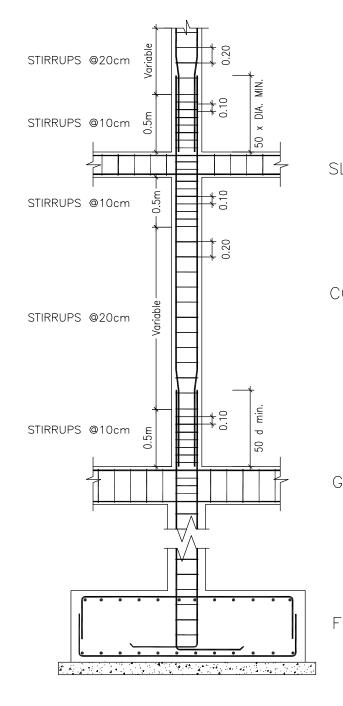


TYPICAL DETAILS FOR COLUMN STIRRUP SPACING NOT TO SCALE

COLUMNS DE

| | NOTES :- |
|----------------------------------|---|
| SLAB | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE AND OTHER STRUCTURAL DRAWINGS IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1–COAT PRIMER AND 2–COATS OF HOT BITUMEN. DESIGN CODE IS ACI 318–08. STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH Fcu AS: –FOR R.C. COLUMNS & WALLS =35 MPa FOR R.C. FOOTINGS =30 MPa FOR R.C. LINTELS =25 MPa FOR RCL LINTELS =25 MPa FOR ROTOTINGS (CAST AGAINST SOIL) =7.5 cm (FOR PROTECTED CONCRETE) =5.0 cm FOR RULLS =5.0 cm FOR COLUMNS AND BEAMS =4.0 cm FOR WALLS =5.0 cm FOR SILABS =2.5 cm MIN. LAP FOR STEEL BAR =60cm OR 50 × DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. |
| G. BEAM | FILL : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, CROUND, & 3 STORIES. SOIL BEARING CAPACITY IS: 200 KN/m². FOR TENDER ONLY CLIENT: PALESTINIAN NATIONAL AUTHORITY |
| FOUND. | MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE UN DP/PAPP) PROJECT TITLE: |
| | CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B5) DRAWING TITLE: COLUMNS DETAILS (3/4) |
| DETAILS (2/3) SCALE: AS SHOWN | DRAWING NO.: RE-S-009 DATE: APRIL 2011 SCALE: AS SHOWN |
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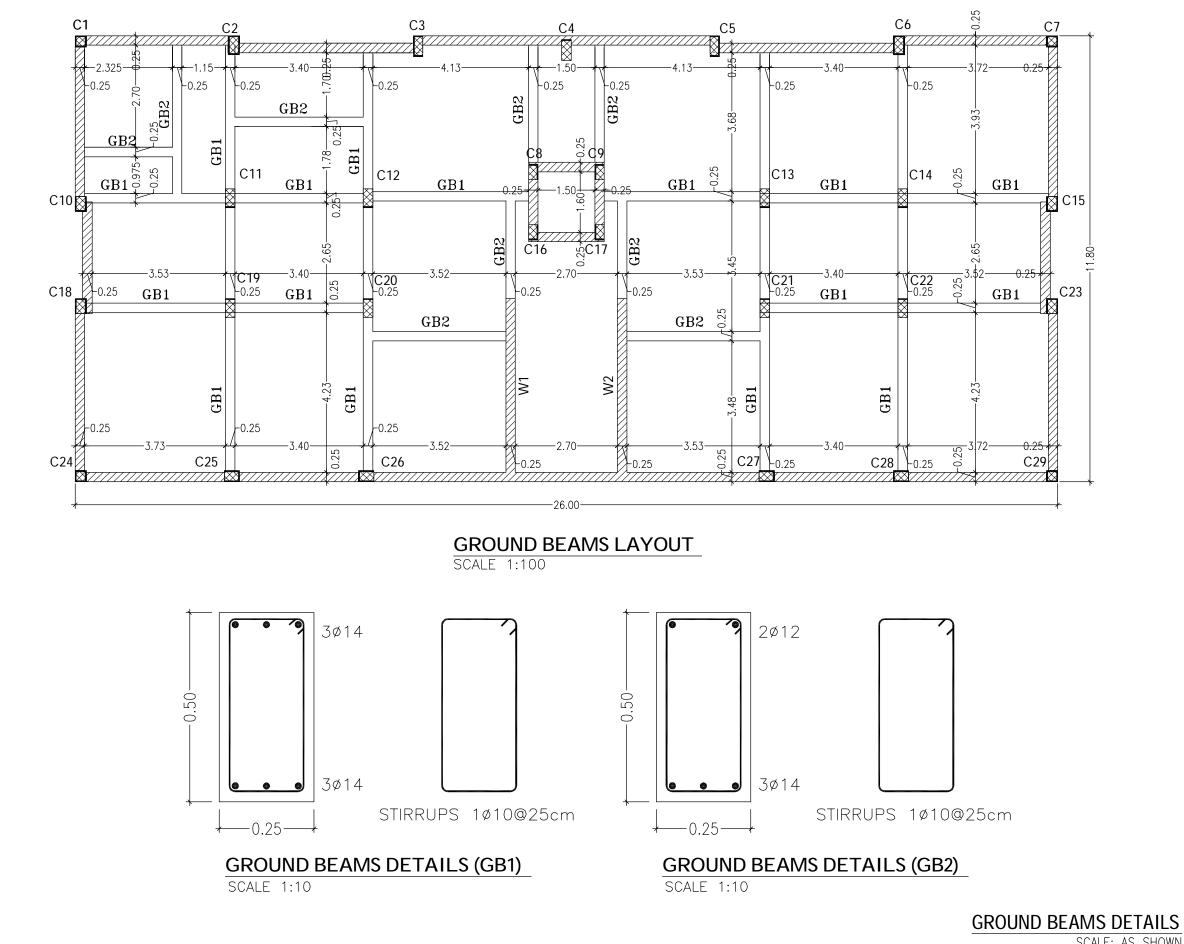




TYPICAL DETAILS FORCOLUMN STIRRUP SPACINGNOT TO SCALE

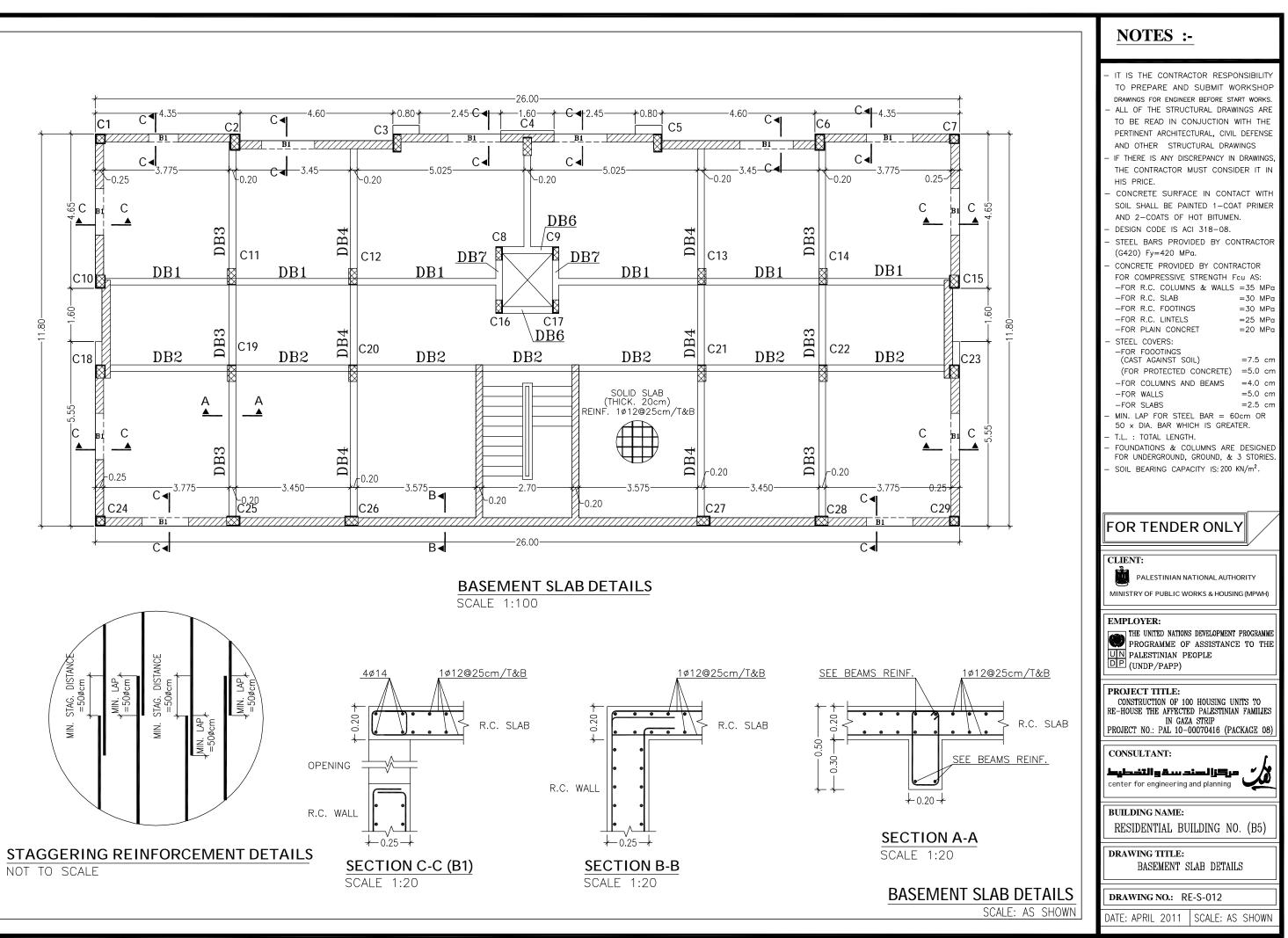
COLUMNS DE

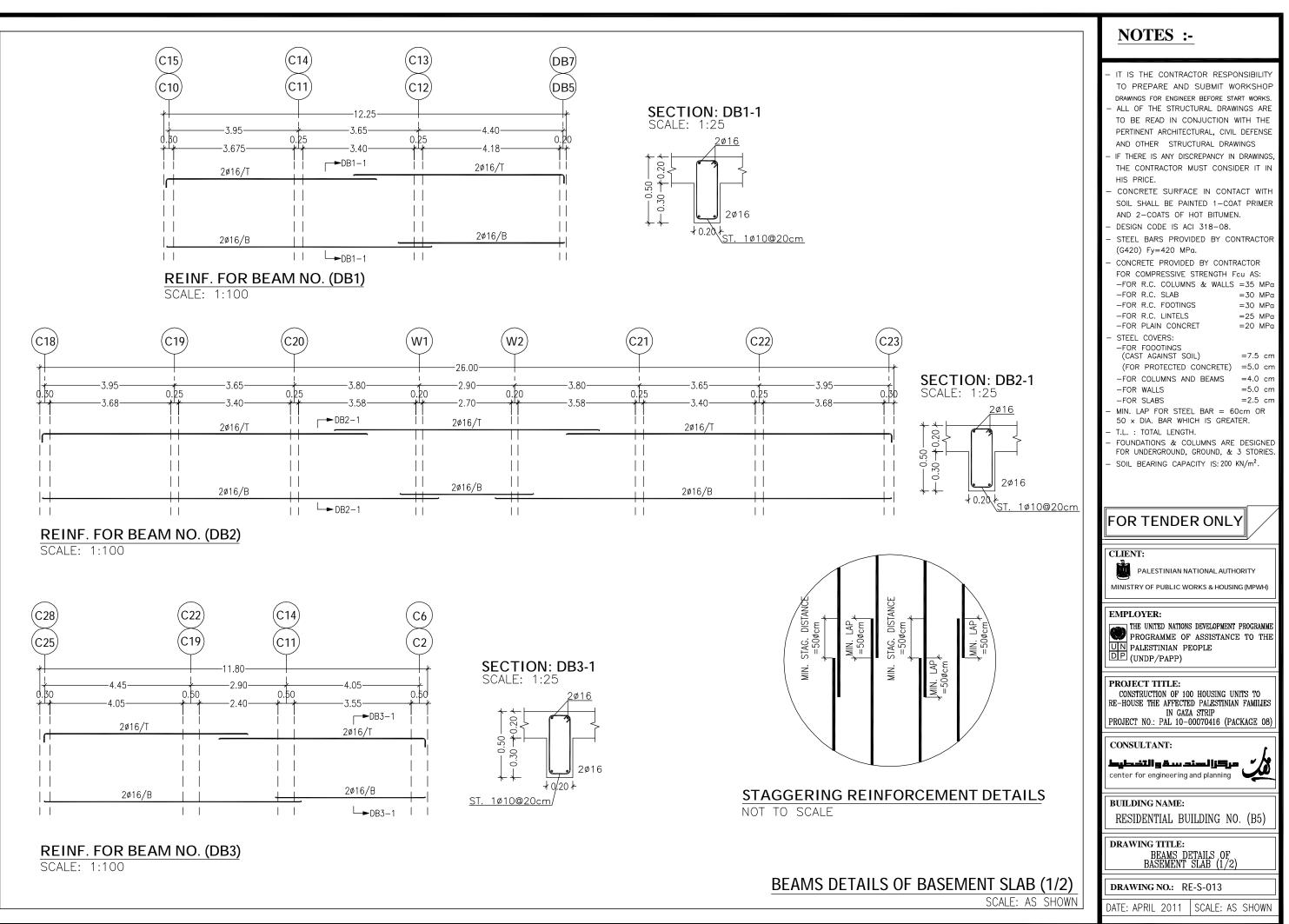
| | <u>NOTES :-</u> |
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| LAB OLUMN | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE AND OTHER STRUCTURAL DRAWINGS IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1–COAT PRIMER AND 2–COATS OF HOT BITUMEN. DESIGN CODE IS ACI 318–08. STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH FCU AS: -FOR R.C. COLUMNS & WALLS =35 MPa -FOR R.C. SLAB =30 MPa -FOR R.C. LINTELS =25 MPa -FOR R.C. LINTELS =25 MPa -FOR PLAIN CONCRET =20 MPa STEEL COVERS: -FOR FOOTINGS (CAST AGAINST SOIL) =7.5 cm (FOR PROTECTED CONCRETE) =5.0 cm -FOR COLUMNS AND BEAMS =4.0 cm -FOR SLABS =2.5 cm MIN. LAP FOR STEEL BAR = 60cm OR 50 × DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, & 3 STORES. |
| | - SOIL BEARING CAPACITY IS: 200 KN/m ² . |
| G. BEAM | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) |
| OUND. | EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE DP (UNDP/PAPP) |
| | PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | CONSULTANT: مرکزا لسند سط والتخطیط center for engineering and planning |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B5) |
| | DRAWING TITLE: COLUMNS DETAILS (4/4) |
| TAILS (3/3) CALE: AS SHOWN | DRAWING NO.: RE-S-010 |
| JALL. AS SHUWIN | DATE: APRIL 2011 SCALE: AS SHOWN |

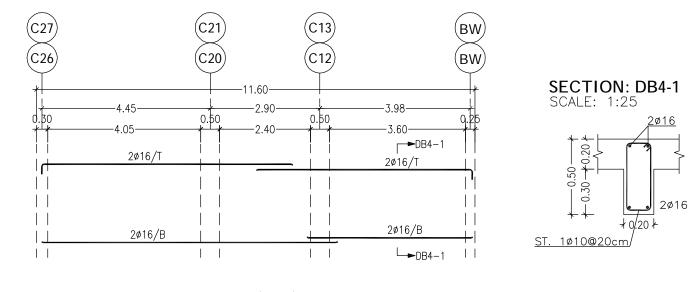


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| FOR TENDER ONLY |
| FOR TENDER ONLY |
| CLIENT: Palestinian National Authority |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP |
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| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNTED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Labertill Bau and planning Center for engineering and planning BUILDING NAME: RESIDENTIAL BUILDING NO. (B5) |

SCALE: AS SHOWN







REINF. FOR BEAM NO. (DB4) SCALE: 1:100

| BEAMS | REL | NFORCE | MENT | TABLE |
|-------|-----|--------|------|-------|
| | FOR | GROUND | SLAB | |

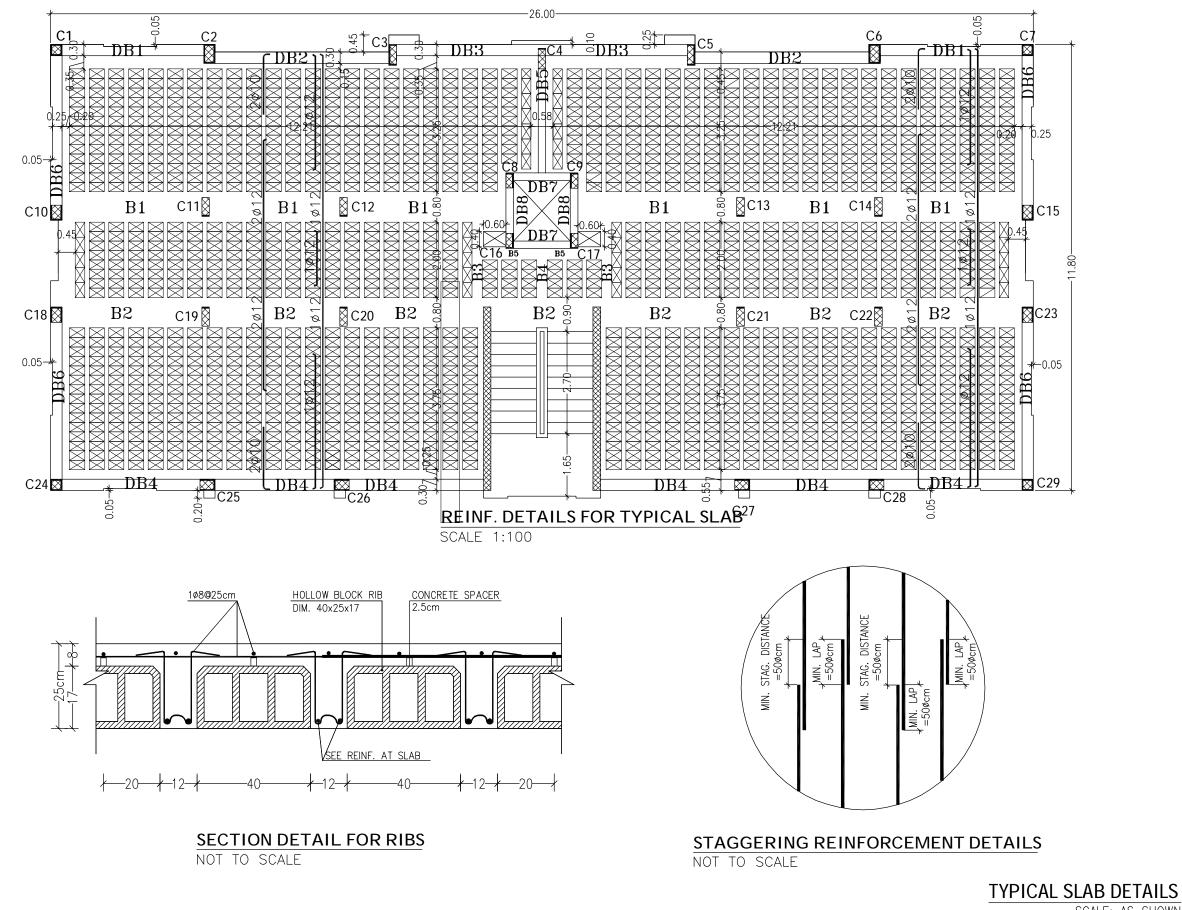
| NO. | DIM | | воттом | TOP | STIRRUPS |
|-----|------------|----|--------|--------|-----------|
| | <i>W</i> . | Н. | REINF. | REINF. | |
| DB5 | 20 | 50 | 2ø16 | 2ø16 | 1ø10/20cm |
| DB6 | 20 | 50 | 2ø16 | 2ø16 | 1ø10/20cm |
| DB7 | 20 | 50 | 2ø16 | 2ø16 | 1ø10/20cm |

BEAMS DETAILS OF BASEMENT SLAB (2/2

NOTES .

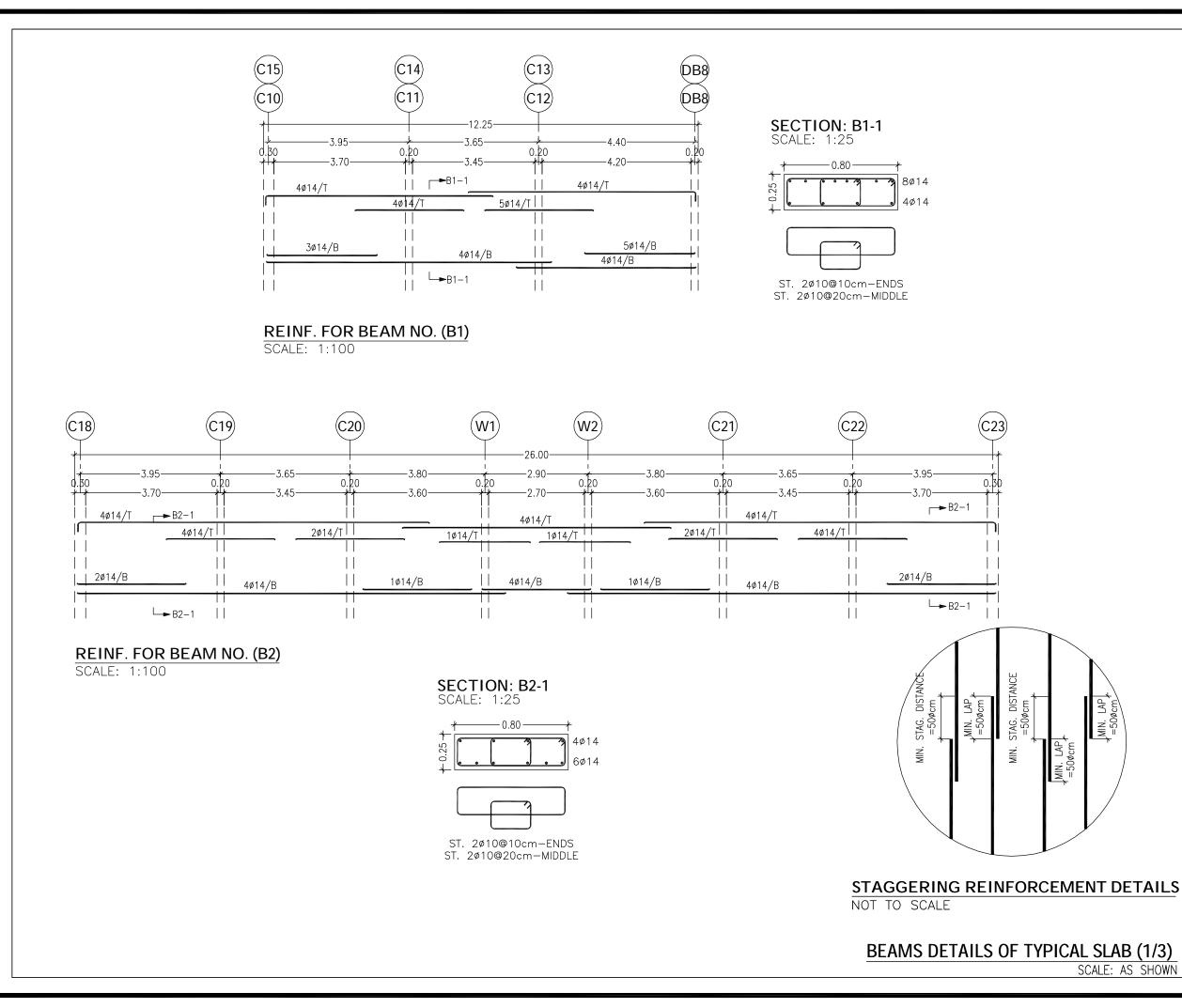
| | NOILS |
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| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Labertill g & Labertill Jack |
| 2) | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Labertill & Aun and Joseph center for engineering and planning EDILDING NAME: RESIDENTIAL BUILDING NO. (B5) |

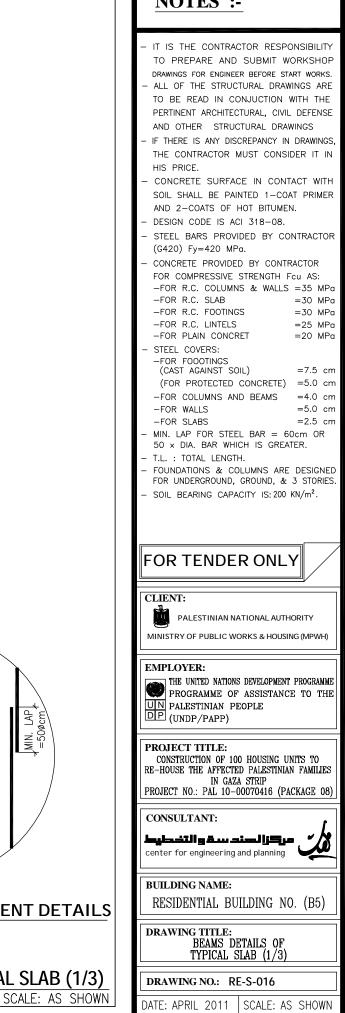
SCALE: AS SHO

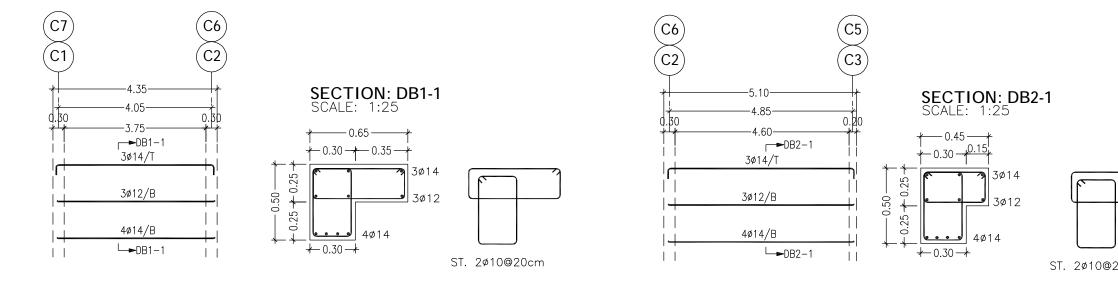


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| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10–00070416 (PACKAGE 08) CONSULTANT: Laberill g and signal planning CONSULTANT: Laberill g and planning |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: MINISTRY OF PUBLIC WORKS & MOUSING WITS TO CENTER FOR ENDING MOL (B5) DRAWING TITLE: |

SCALE: AS SHOWN

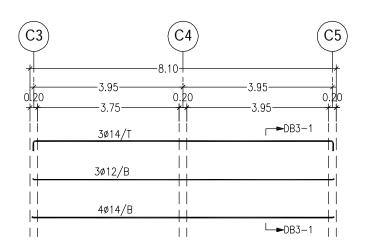


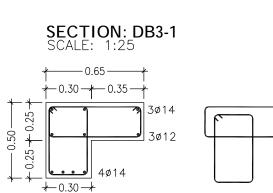




REINF. FOR BEAM NO. (DB1)

SCALE: 1:100





ST. 2ø10@20cm

SECTION: DB4-1 SCALE: 1:25

4ø14

3ø14

y 3ø12

ST. 2ø10@20cm

∤ 0.50 − **∤**

+ 0.30 + 0.20 +

+−0.30*-+*

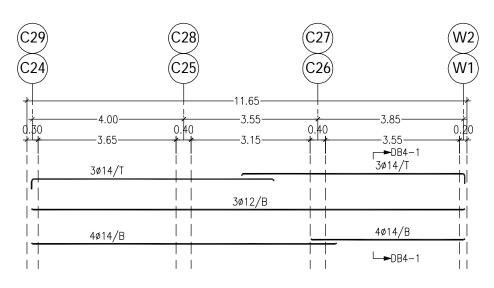
0.25

- 0.50 -- 0.25 + 0

+ +

REINF. FOR BEAM NO. (DB3)

SCALE: 1:100



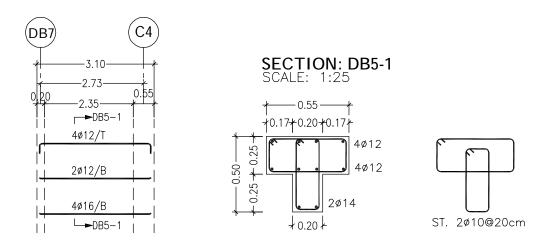
REINF. FOR BEAM NO. (DB4)

SCALE: 1:100

BEAMS DETAILS OF TYPICAL SL

SCAL

| 20cm | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE AND OTHER STRUCTURAL DRAWINGS IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1-COAT PRIMER AND 2-COATS OF HOT BITUMEN. DESIGN CODE IS ACI 318-08. STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH Fcu AS: -FOR R.C. COLUMNS & WALLS =35 MPa -FOR R.C. SLAB =30 MPa -FOR R.C. LINTELS =25 MPa -FOR R.C. LINTELS =25 MPa -FOR R.C. LINTELS =25 MPa -FOR R.C. LINTELS =25 MPa -FOR FOODTINGS (CAST AGAINST SOIL) =7.5 cm (FOR PROTECTED CONCRETE) =5.0 cm -FOR WALLS =5.0 cm -FOR WALLS =5.0 cm -FOR SLABS =2.5 cm MIN. LAP FOR STEEL BAR = 60cm OR 50 × DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGOUND, GROUND, & 3 STORIES. SOIL BEARING CAPACITY IS: 200 KN/m². |
|-------------|---|
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| | DRAWING TITLE: BEAMS DETAILS OF TYPICAL SLAB (2/3) |
| LAB (2/3) | DRAWING NO.: RE-S-017 |
| E: AS SHOWN | DATE: APRIL 2011 SCALE: AS SHOWN |



REINF. FOR BEAM NO. (DB5)

SCALE: 1:100

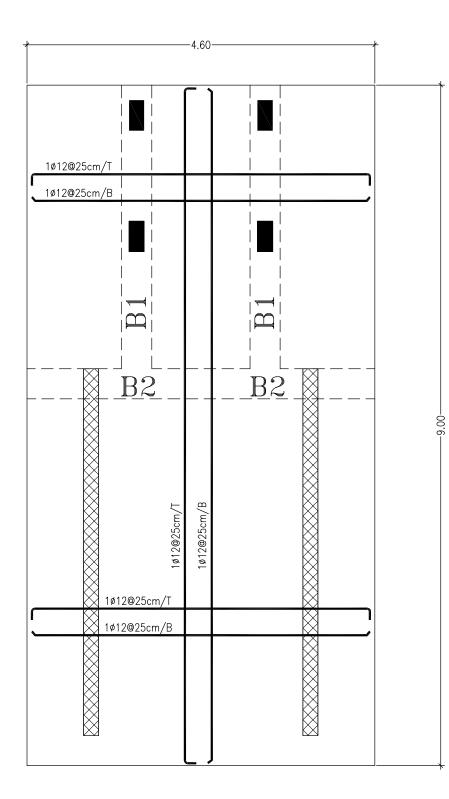
BEAMS REINFORCEMENT TABLE FOR TYPICAL SLAB

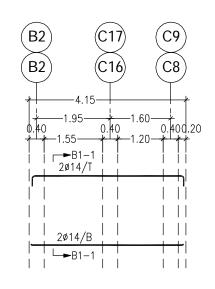
| NO. | DIM | | воттом | TOP | STIRRUPS |
|-----------|------------|----|--------|--------|-----------|
| | <i>W</i> . | Н. | REINF. | REINF. | |
| DB6 | 30 | 50 | 4ø16 | 2ø12 | 1ø10/20cm |
| DB7 | 20 | 40 | 2ø14 | 2ø12 | 1ø10/20cm |
| DB8 | 20 | 40 | 2ø14 | 2ø12 | 1ø10/20cm |
| <i>B3</i> | 25 | 25 | 2ø12 | 2ø12 | 1ø10/20cm |
| <i>B4</i> | 25 | 25 | 2ø12 | 2ø12 | 1ø10/20cm |
| <i>B5</i> | 30 | 25 | 2ø14 | 2ø12 | 1ø10/20cm |

NOTEC

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| | FOR TENDER ONLY CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) |
| | EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE UNDP/PAPP) PROJECT TITLE: |
| | CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | مرکزا لصند سط و التخطیط center for engineering and planning |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B5) |
| | DRAWING TITLE: BEAMS DETAILS OF TYPICAL SLAB (3/3) |
| B (3/3) AS SHOWN | DRAWING NO.: RE-S-018 |
| S SHORN | DATE: APRIL 2011 SCALE: AS SHOWN |

SCALE: A







★ 0.40 - ★

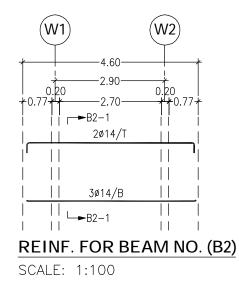
7 2ø14 2ø14

SCALE: 1:25

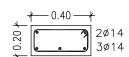
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REINF. FOR BEAM NO. (B1)

SCALE: 1:100







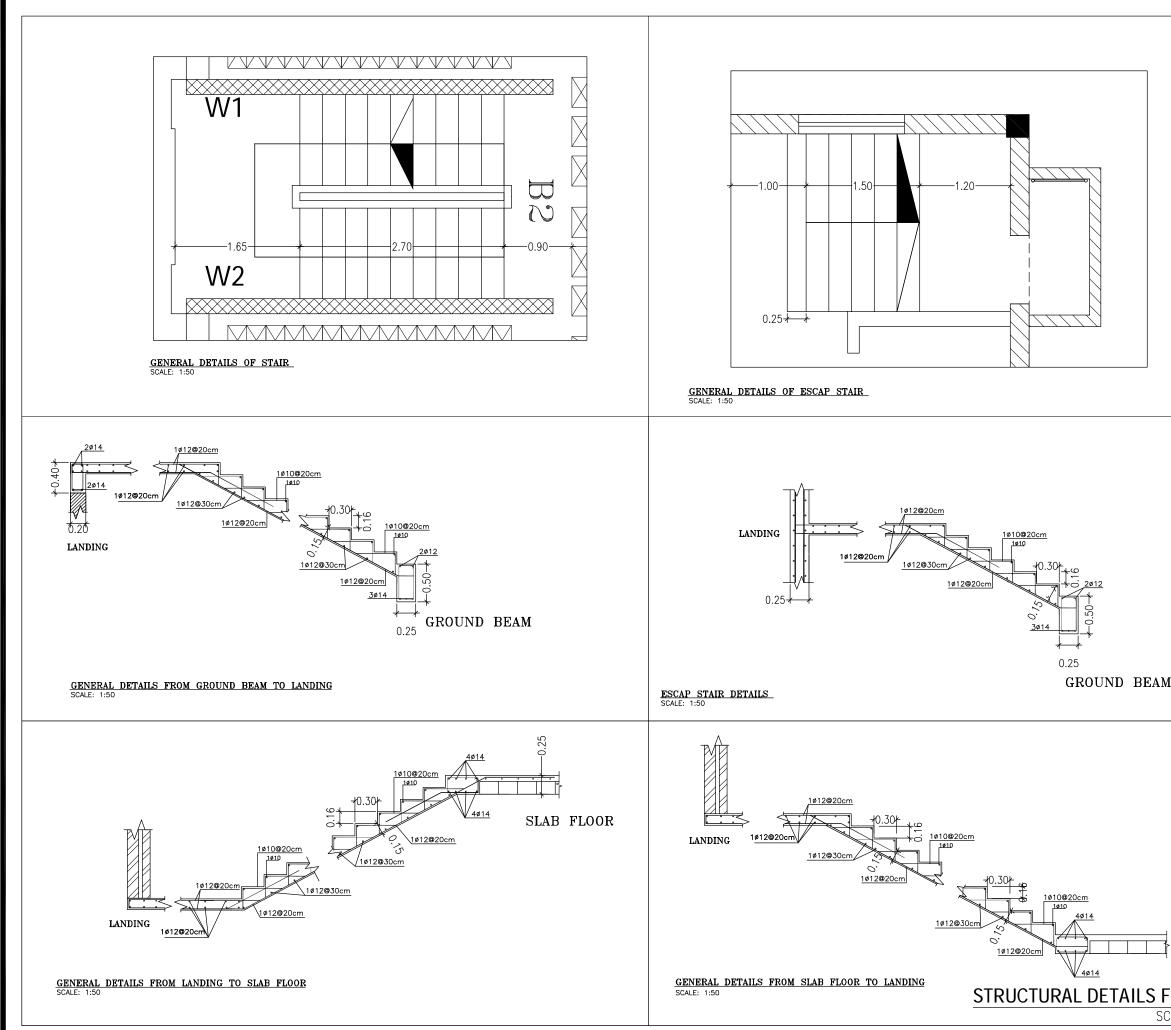


ST. 1ø10@7.5cm-ENDS ST. 1ø10@15cm-MIDDLE

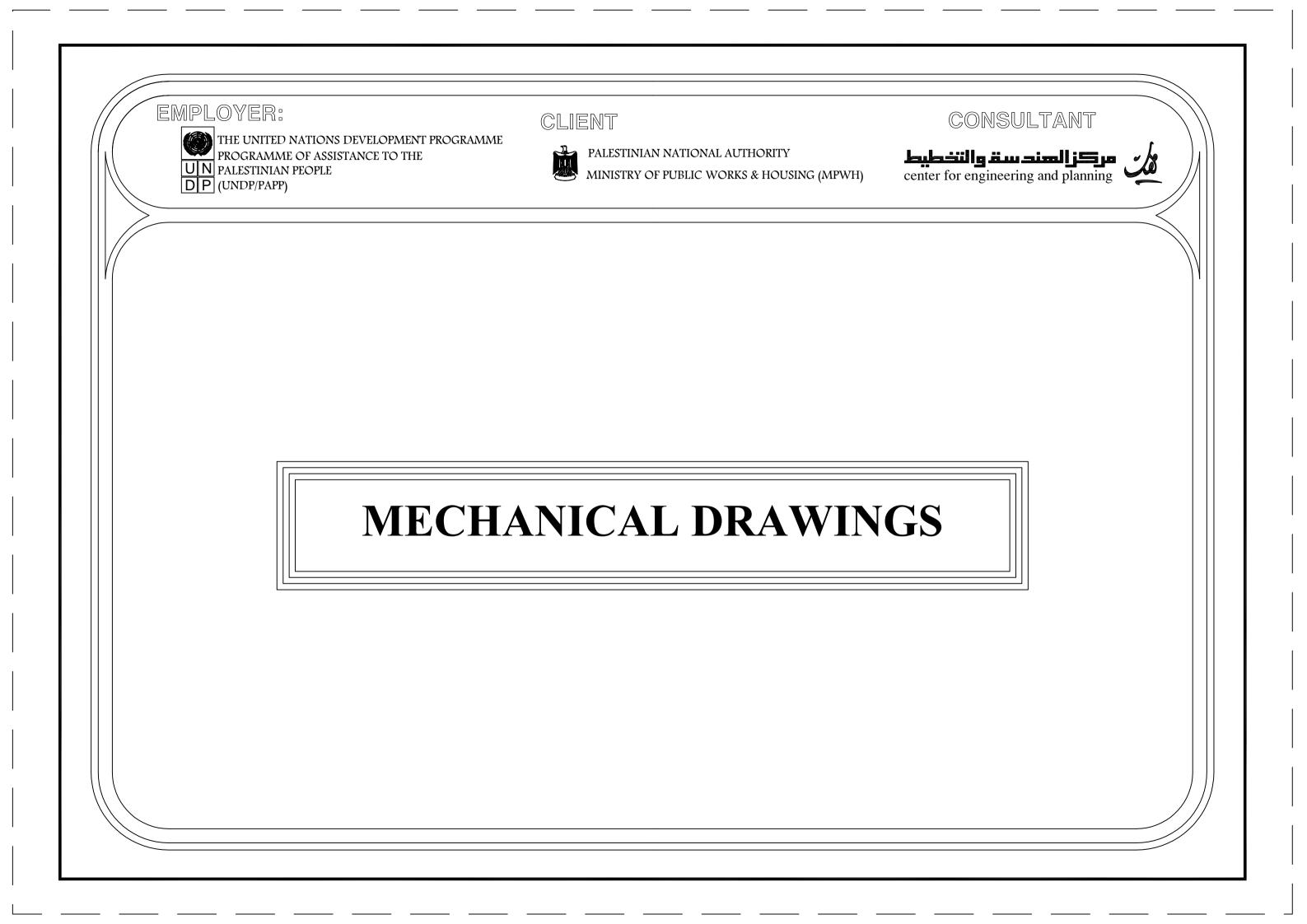
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| | FOR R.C. LINTELS =25 MPa FOR PLAIN CONCRET =20 MPa STEEL COVERS: |
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| | |
| | FOR TENDER ONLY |
| | CLIENT: |
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| | CLIENT: PALESTINIAN NATIONAL AUTHORITY |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE DP (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP |
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| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE UN PALESTINIAN PEOPLE DP (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE UNN PALESTINIAN PEOPLE UNN PALESTINIAN PEOPLE UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Lage=110 a.u.=110 [] [] [] [] [] [] [] [] [] [] [] [] [] |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: CUNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Laboratil g and simplify for center for engineering and planning |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Lagh-JIII g a.u. Jimiljog.co center for engineering and planning CONSULTANT: Lagh-JIII g a.u. Jimiljog.co BUILDING NAME: RESIDENTIAL BUILDING NO. (B5) |

SCALE: AS SHOWN



| | <u>NOTES :-</u> |
|------------|--|
| | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE AND OTHER STRUCTURAL DRAWINGS IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1-COAT PRIMER AND 2-COATS OF HOT BITUMEN. DESIGN CODE IS ACI 318-08. STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH FCU AS: -FOR R.C. CLUMNS & WALLS =35 MPa -FOR R.C. SLAB = 30 MPa -FOR R.C. SLAB = 30 MPa -FOR R.C. COUTINES = 30 MPa -FOR R.C. CONCRET = 20 MPa STEEL COVERS: -FOR FOOTINGS (CAST AGAINST SOIL) =7.5 cm (FOR PROTECTED CONCRETE) =5.0 cm -FOR SLABS = 5.0 cm -FOR SLABS = 2.5 cm MIN. LAP FOR STEEL BAR = 60cm OR 50 × DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED EOR DEVENDED DEN CONTRACTOR. |
| | FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, GROUND, & 3 STORIES. SOIL BEARING CAPACITY IS: 200 KN/m². FOR TENDER ONLY CLIENT: |
| | PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) |
| | EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UIN PALESTINIAN PEOPLE DIP (UNDP/PAPP) |
| | PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | CONSULTANT: مرکزالسند سق و التخطیط center for engineering and planning |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B5) |
| SLAB FLOOR | DRAWING TITLE: STRUCTURAL DETAILS FOR STAIRS |
| OR STAIRS | DRAWING NO.: RE-S-020 |
| | DATE: APRIL 2011 SCALE: AS SHOWN |



EMPLOYER:



THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE

CLIENT

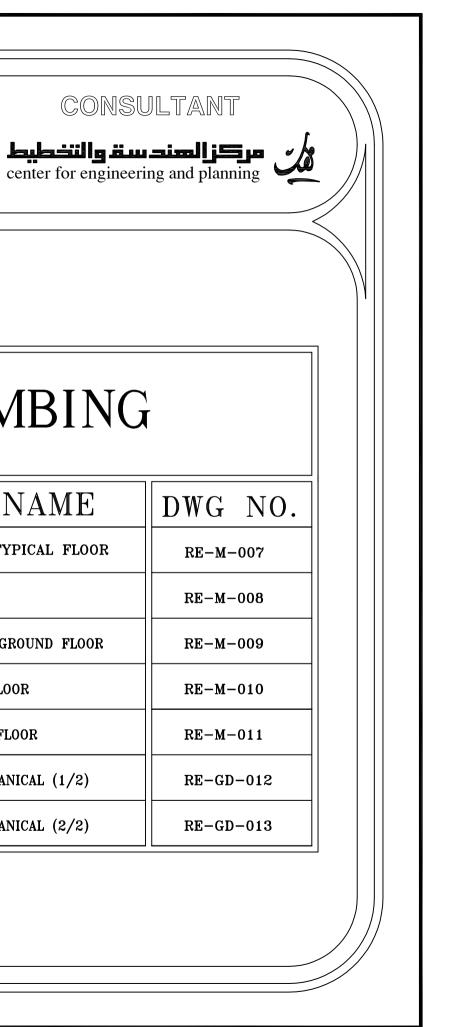


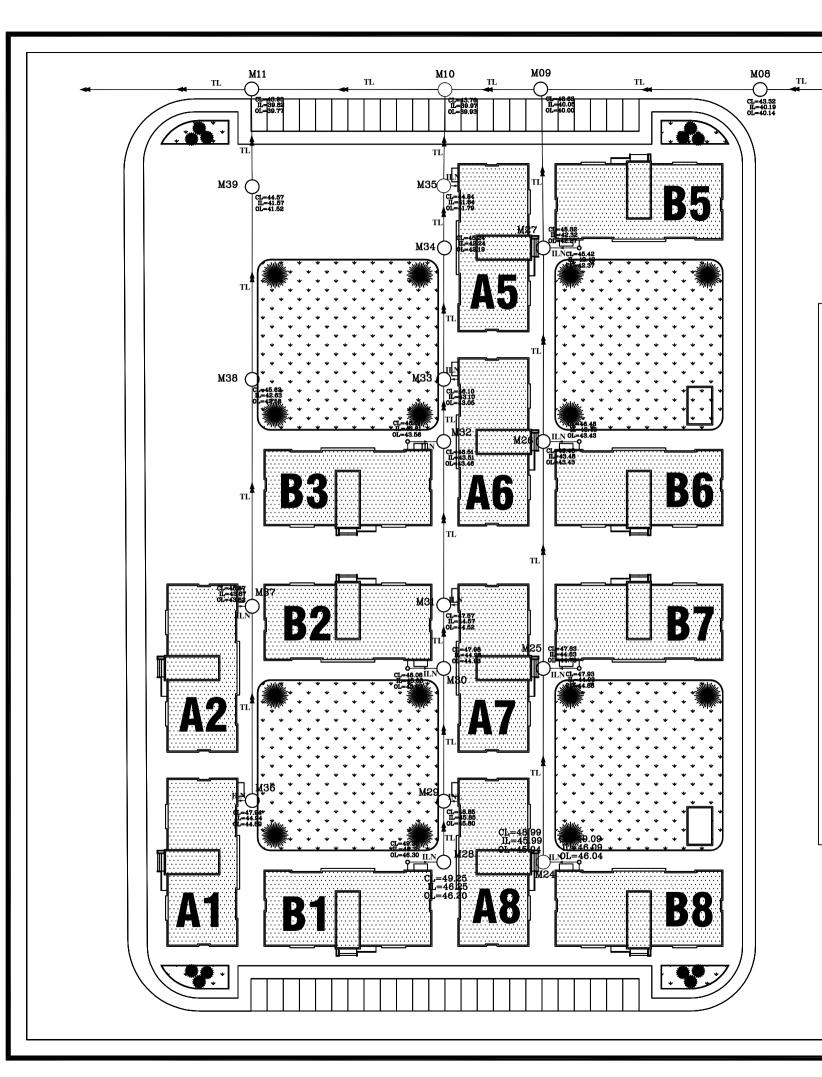
PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUS

MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

LIST OF DRAWINGS FOR PLUMBING

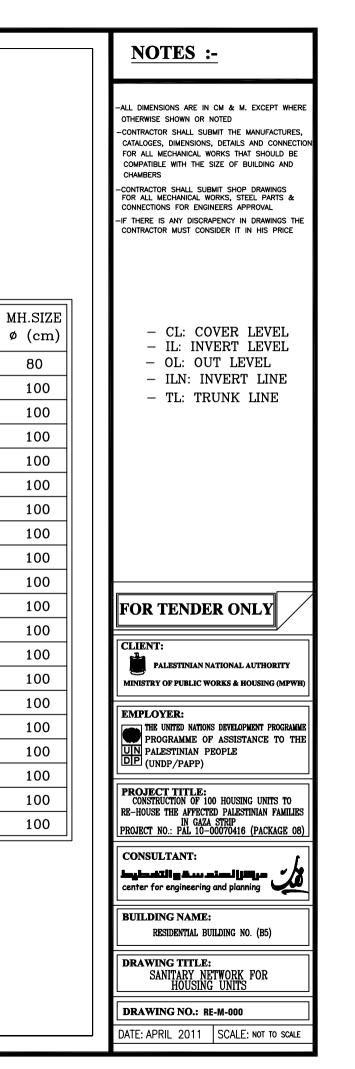
| NO. | DRAWING NAME | DWG NO. | NO. | DRAWING NAME |
|-----|--|----------|-----|--------------------------------------|
| 00 | SANITARY NETWORK FOR HOUSING UNITS | RE-M-000 | 07 | SANITARY NETWORK FOR TYPICAL FLOOR |
| 01 | SEWER PIPE FOR THE BUILDING | RE-M-001 | 08 | RAIN WATER FOR ROOF PLAN |
| 02 | WATER NETWORK FOR UNDERGROUND FLOOR | RE-M-002 | 09 | WATER NETWORK FOR UNDERGROUND FLOOR |
| 03 | WATER NETWORK FOR GROUND FLOOR | RE-M-003 | 10 | WATER NETWORK FORROOF FLOOR |
| 04 | WATER NETWORK FOR TYPICAL FLOOR | RE-M-004 | 11 | WATER NETWORK FOR ROOF FLOOR |
| 05 | SANITARY NETWORK FOR UNDERGROUND FLOOR | RE-M-005 | 12 | GENERAL DETAILS FOR MECHANICAL (1/2) |
| 06 | SANITARY NETWORK FOR GROUND FLOOR | RE-M-006 | 13 | GENERAL DETAILS FOR MECHANICAL (2/2) |

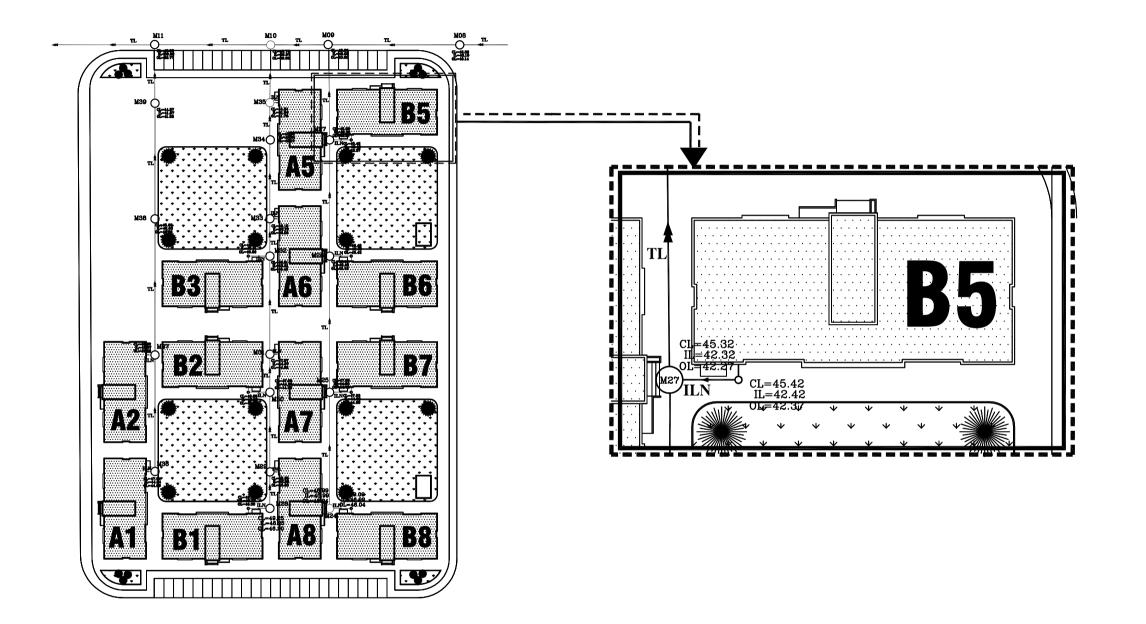


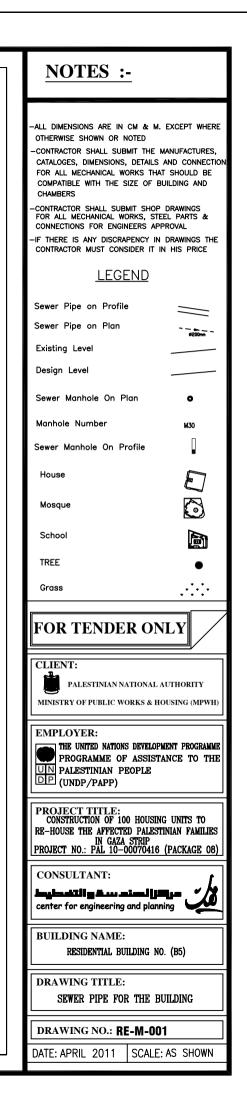


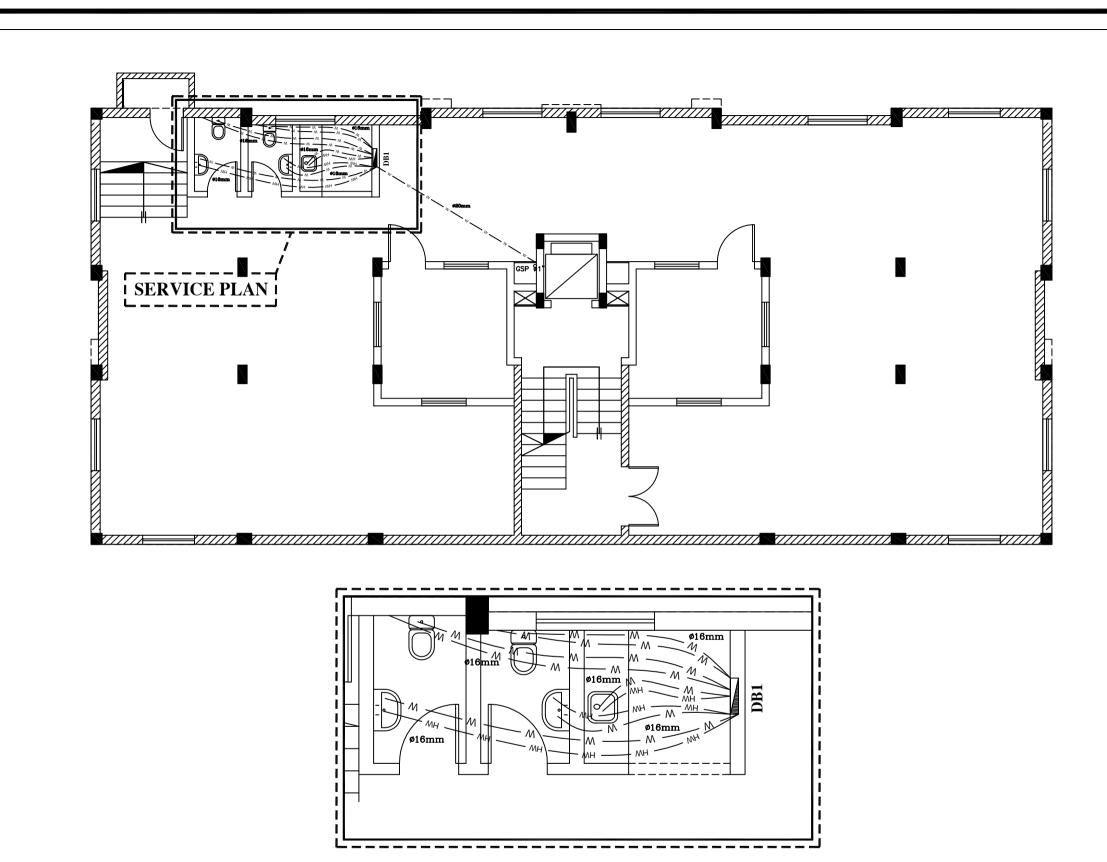
MANHOLES SCHEDULE

| M.No. | COVER LEVEL | INVERT LEVEL | OUTLET LEVEL | DEPTH (m) |
|-------|----------------|-----------------|-----------------|--------------|
| M08 | 43.32 | 40.19 | 40.14 | 3.13 |
| M09 | 43.63 | 40.05 | 40.00 | 3.58 |
| M10 | 43.76 | 39.97 | 39.93 | 3.79 |
| M11 | 43.93 | 39.82 | 39.77 | 4.11 |
| M24 | 48.99 | 45.99 | 45.94 | 3.00 |
| M25 | 47.83 | 44.83 | 44.78 | 3.00 |
| M26 | 46.48 | 43.48 | 43.43 | 3.00 |
| M27 | 45.32 | 42.32 | 42.17 | 3.00 |
| M28 | 49.25 | 46.25 | 46.20 | 3.00 |
| M29 | 48.85 | 45.85 | 45.80 | 3.00 |
| М30 | 47.98 | 44.98 | 44.93 | 3.00 |
| M31 | 47.57 | 44.57 | 44.52 | 3.00 |
| M32 | 46.51 | 43.51 | 43.46 | 3.00 |
| М33 | 46.10 | 43.10 | 43.05 | 3.00 |
| M34 | 45.24 | 42.24 | 42.19 | 3.00 |
| M35 | 44.84 | 41.84 | 41.79 | 3.00 |
| M36 | 47.94 | 44.94 | 44.89 | 3.00 |
| M37 | 46.87 | 43.87 | 43.82 | 3.00 |
| M38 | 45.63 | 42.63 | 42.58 | 3.00 |
| M39 | 44.57 | 41.57 | 41.52 | 3.00 |





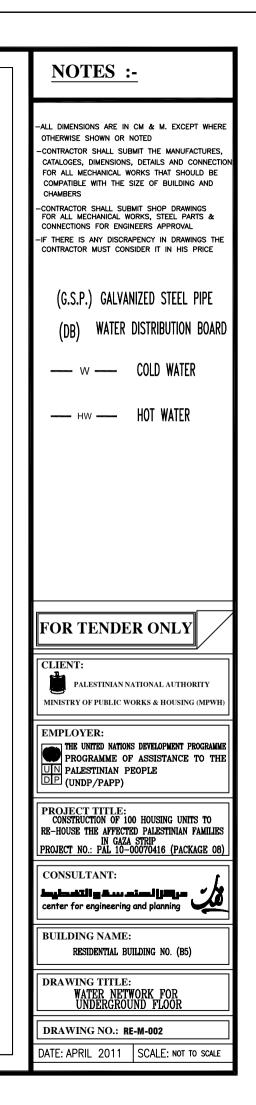


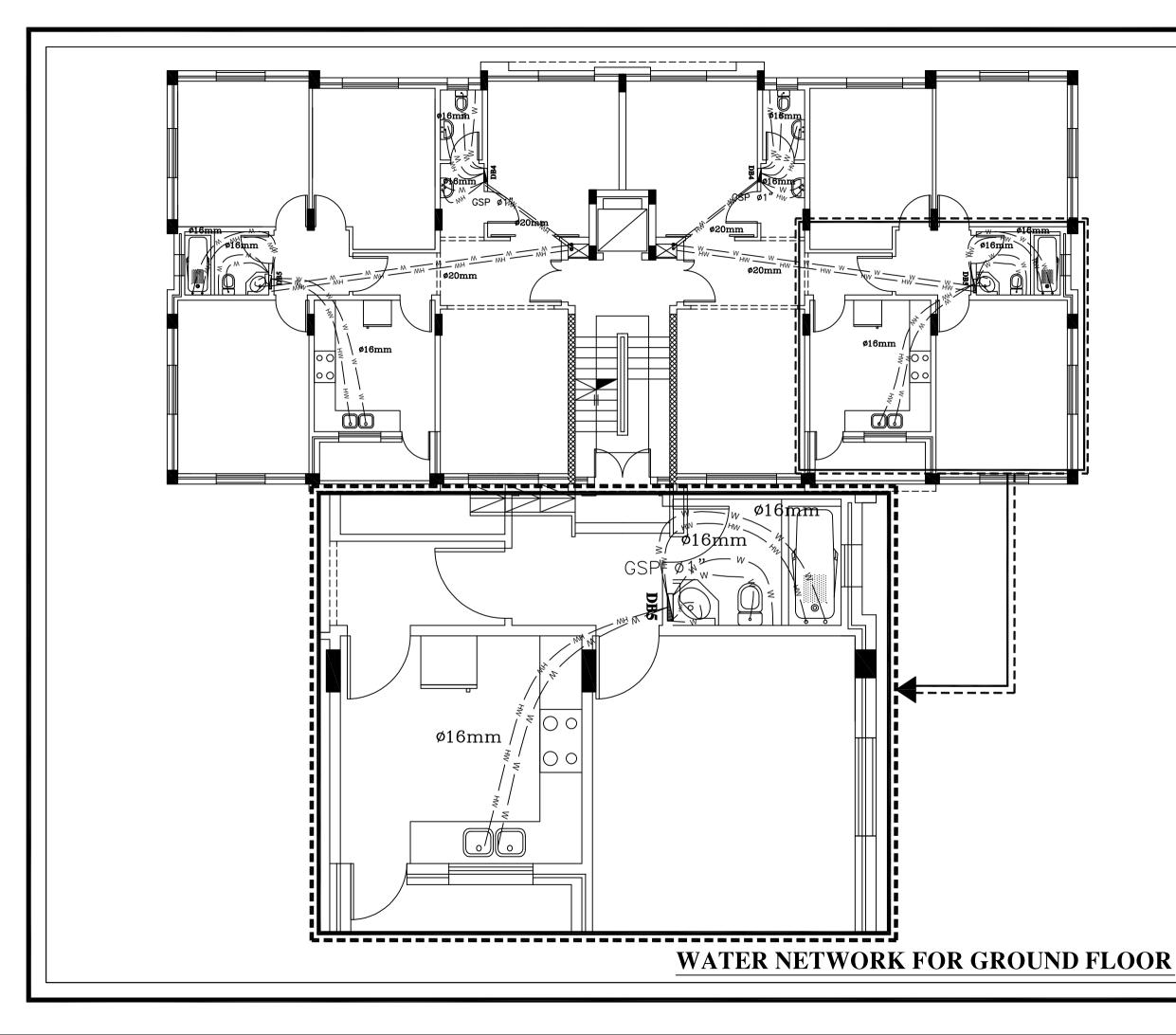


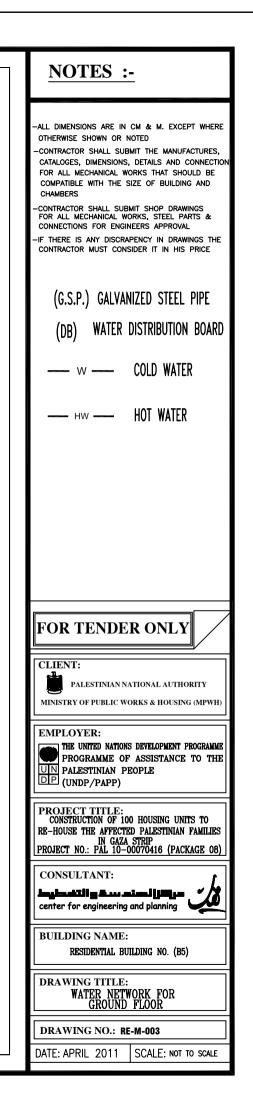
WATER NETWORK FOR SERVICE PLAN

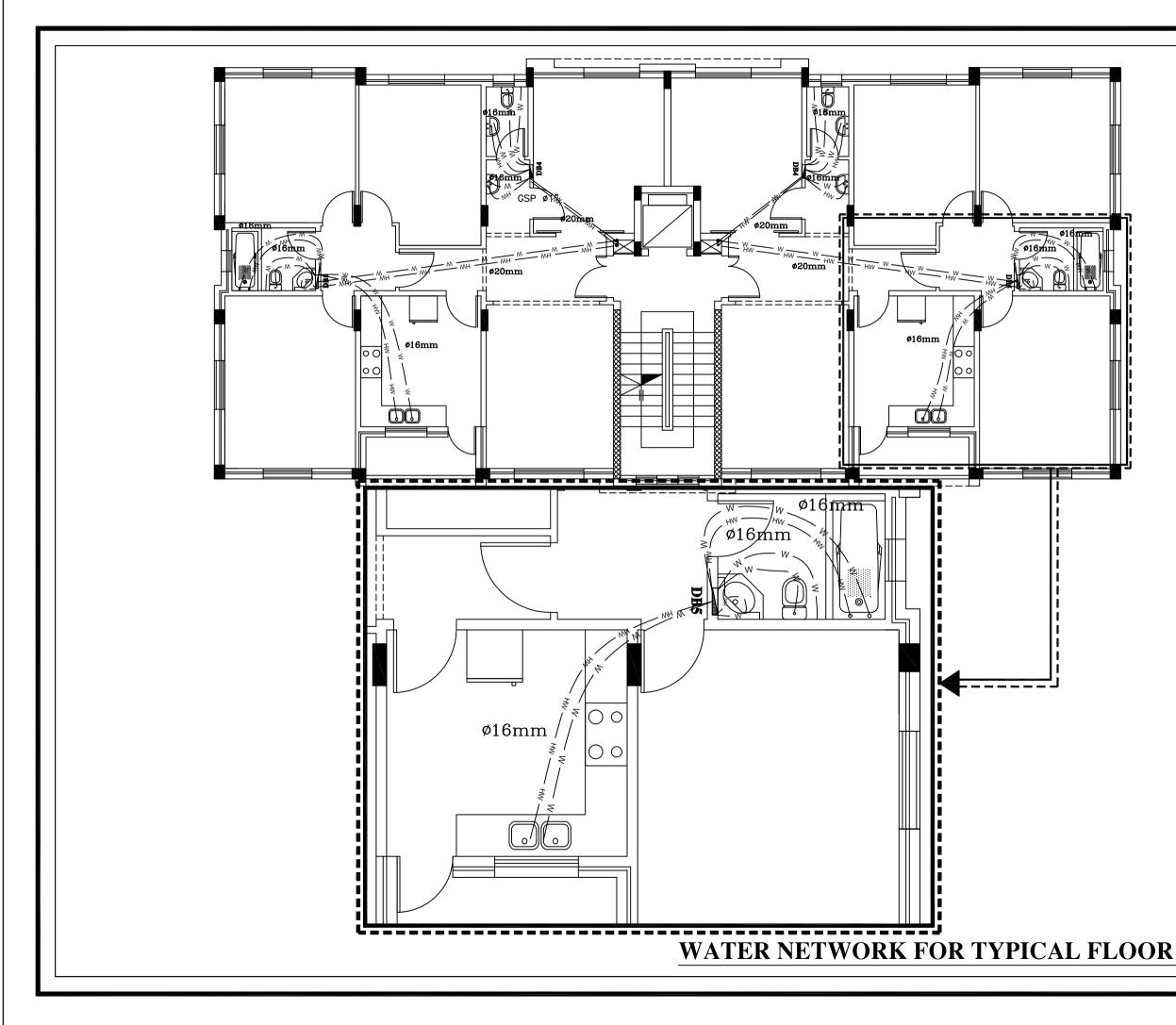
SCALE 1:50

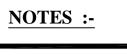
WATER NETWORK FOR UNDERGROUND FLOOR

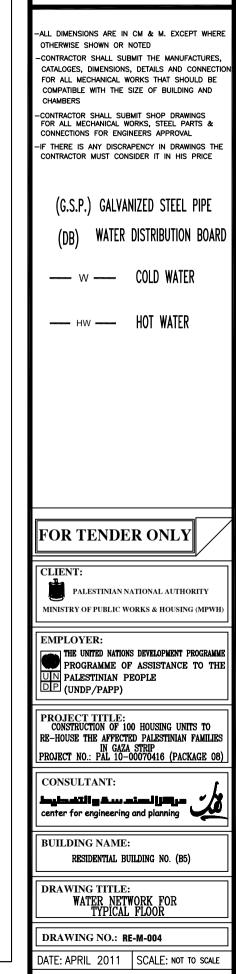


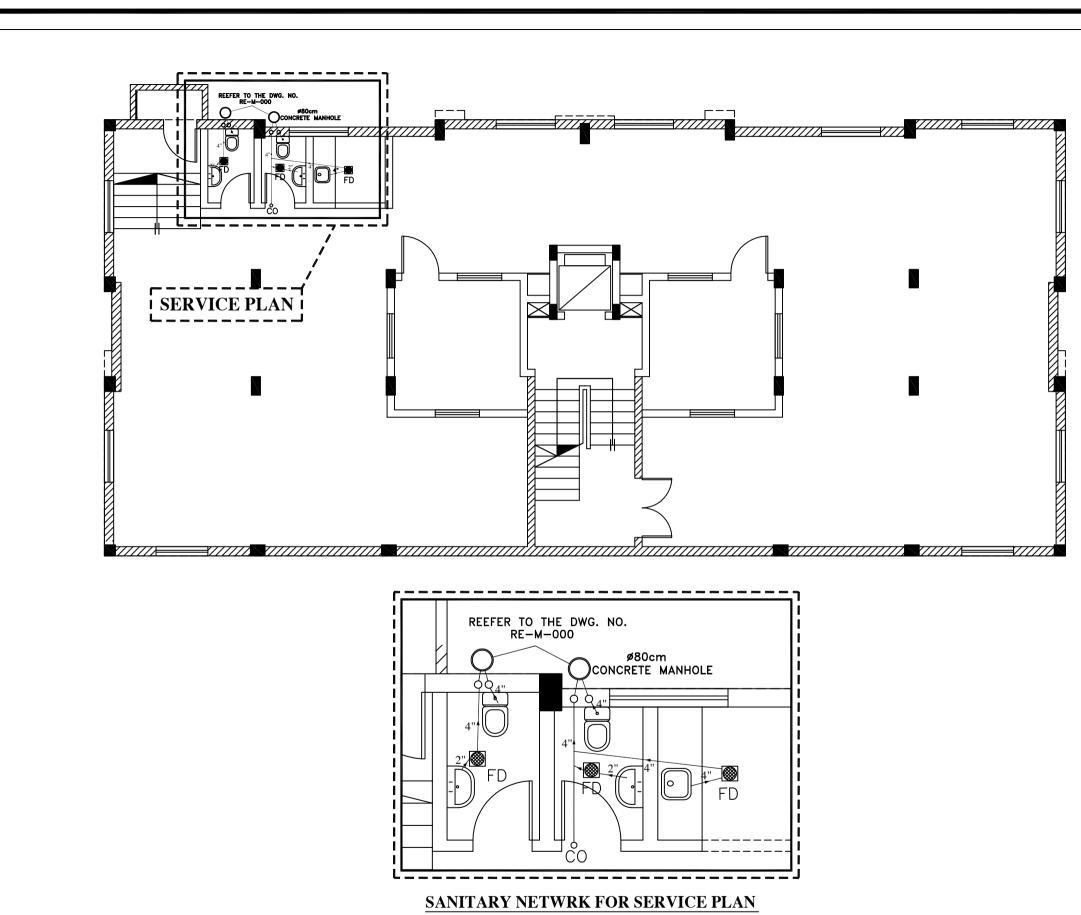






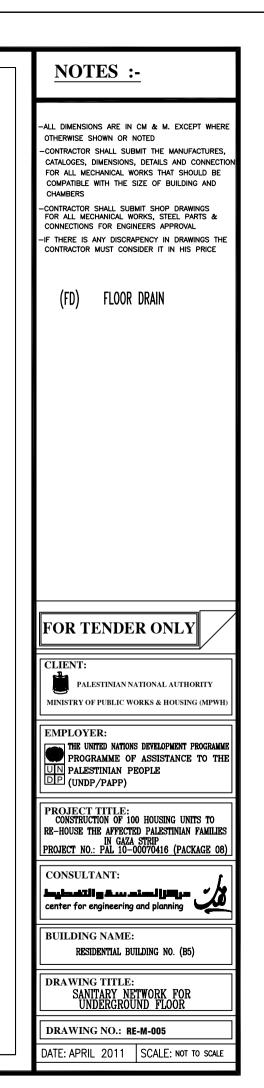


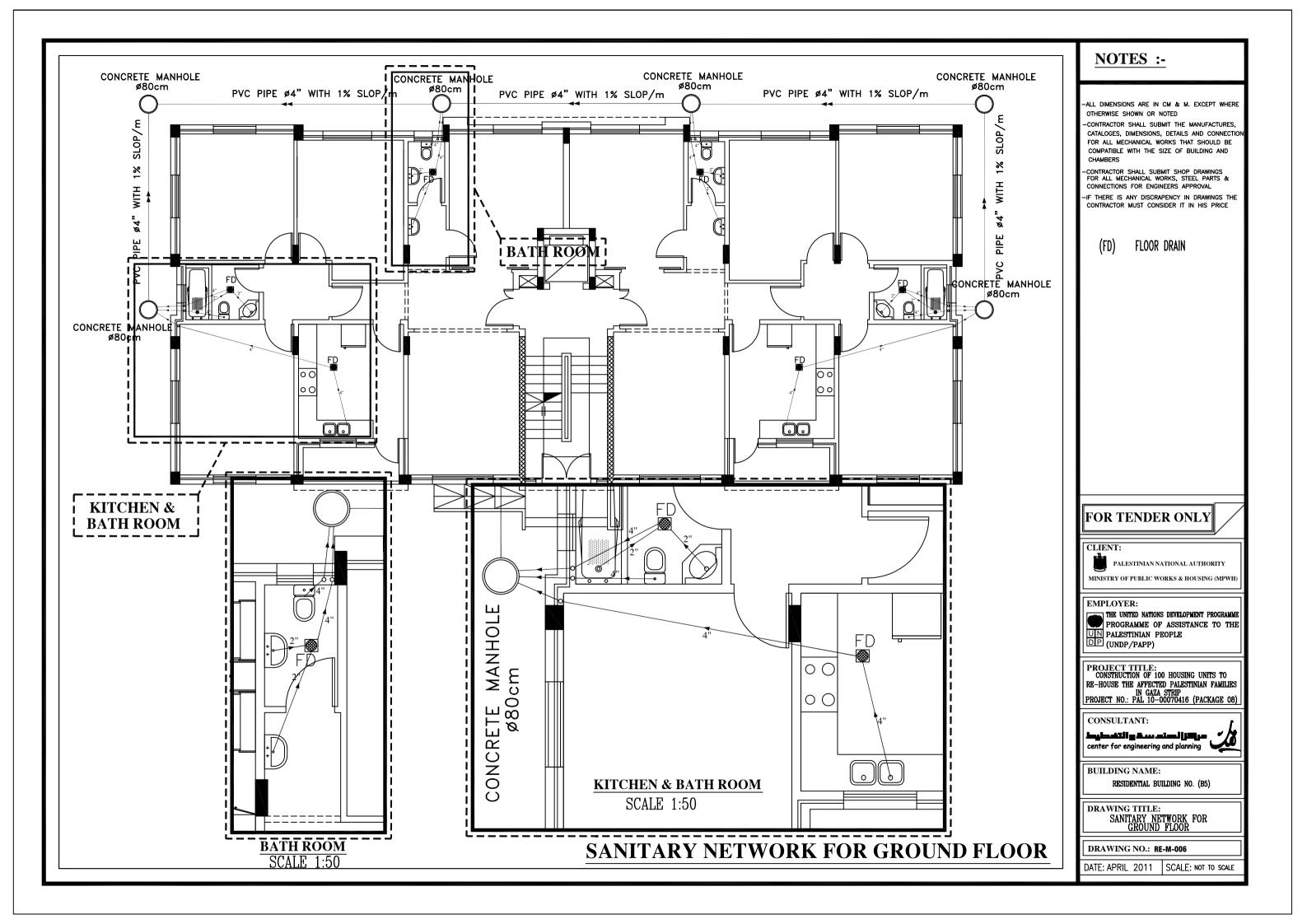


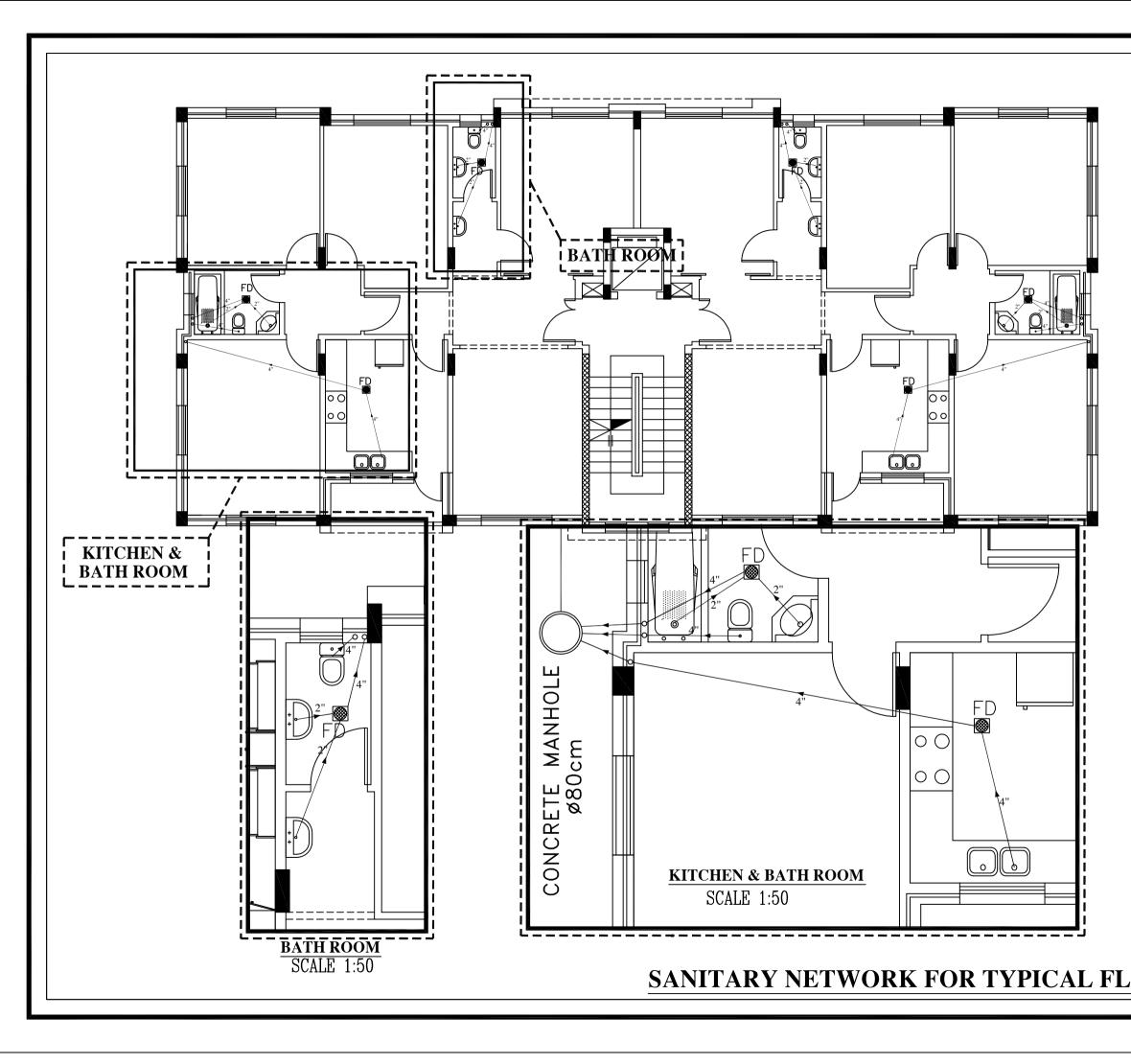


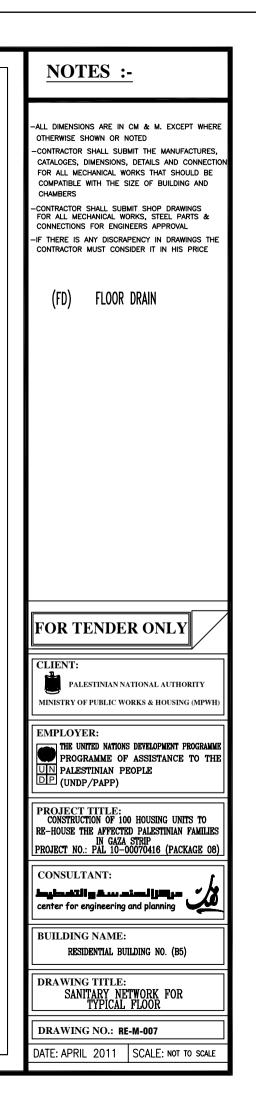
SCALE 1:50

SANITARY NETWORK FOR UNDERGROUND FLOOR

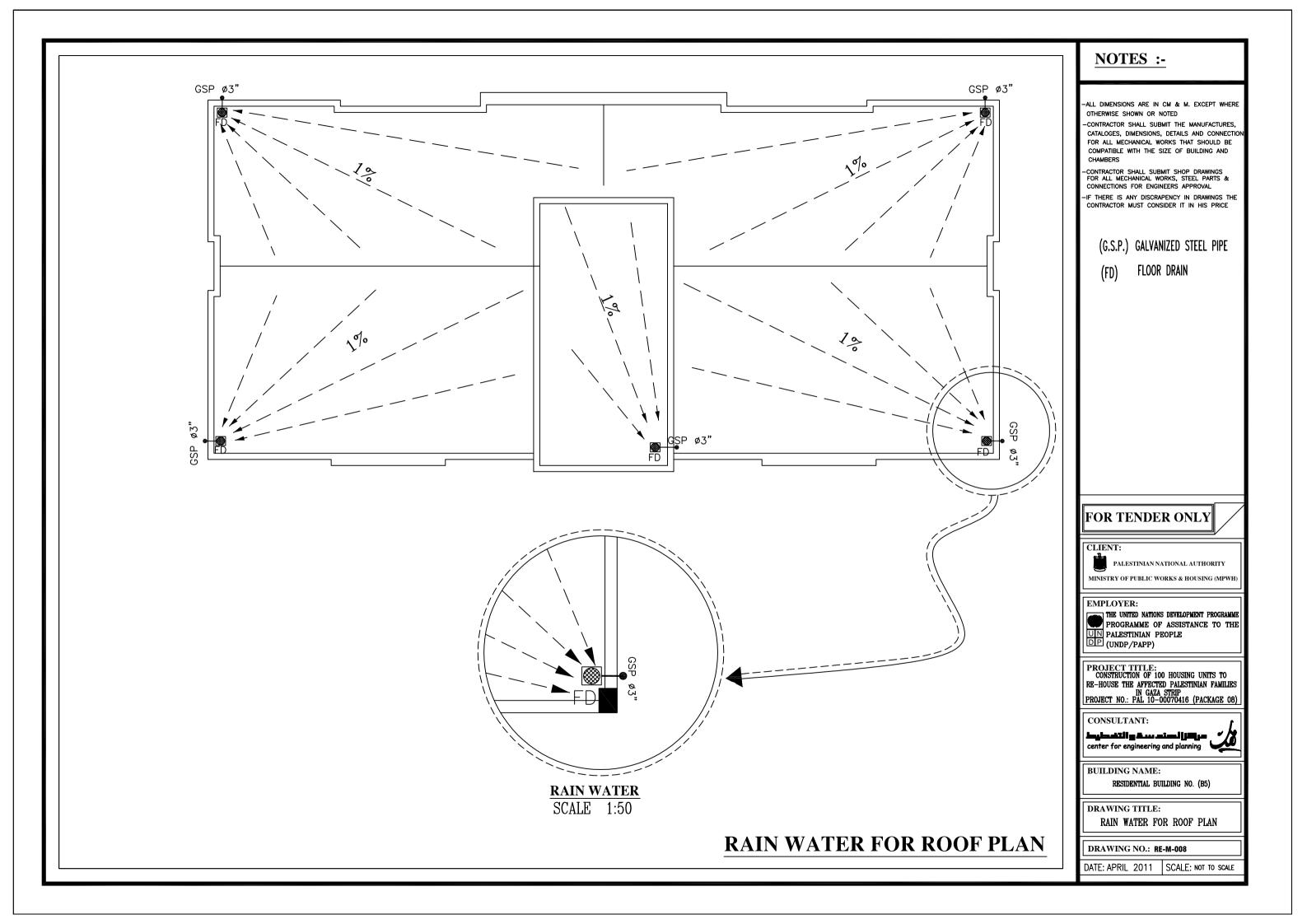


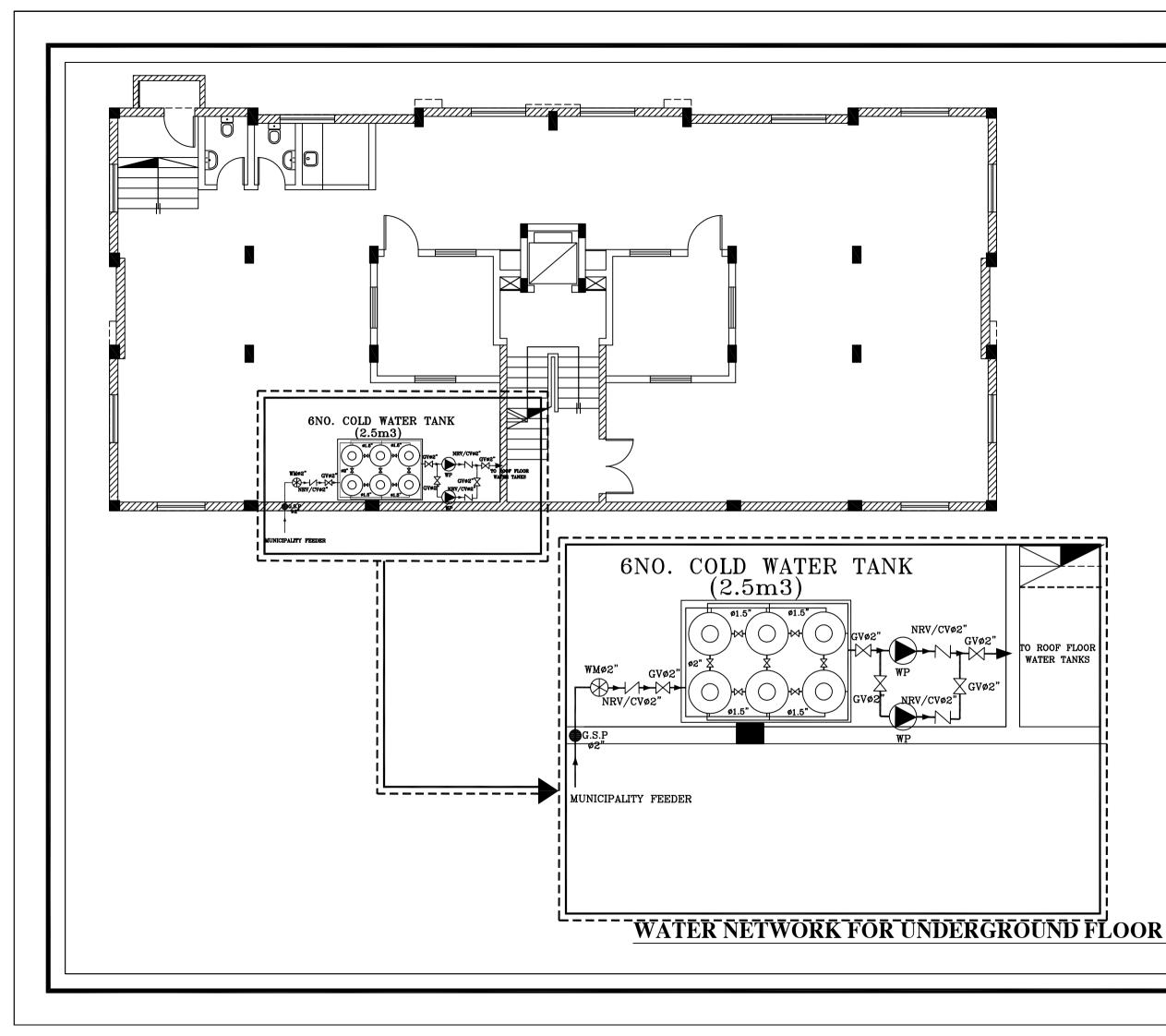


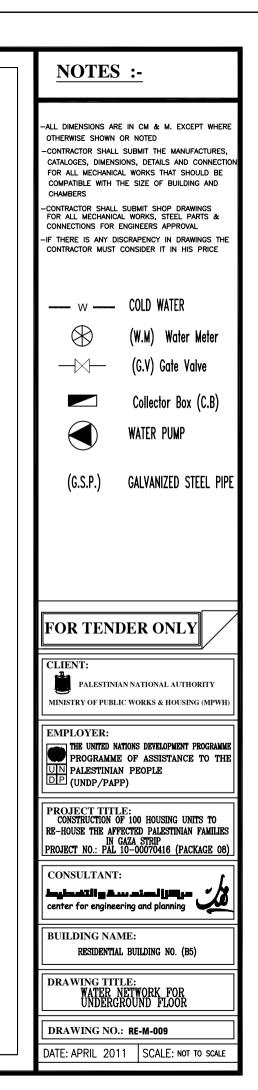




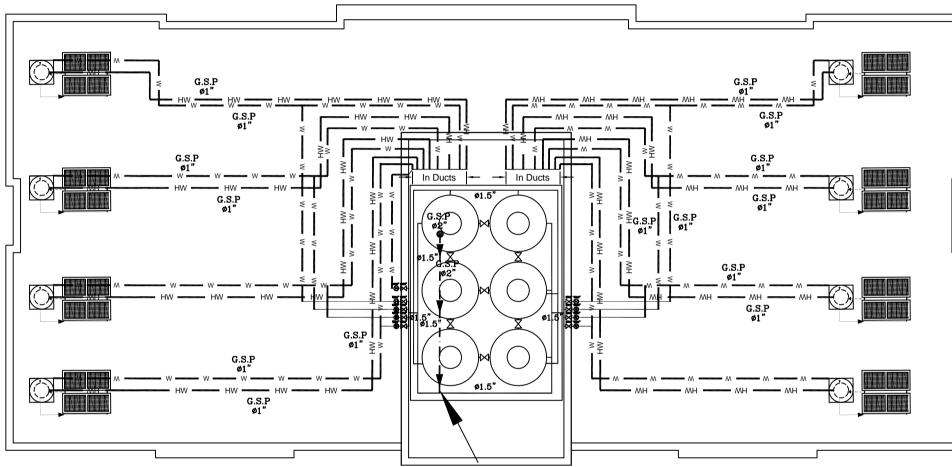
| OOF | R |
|-----|---|
|-----|---|





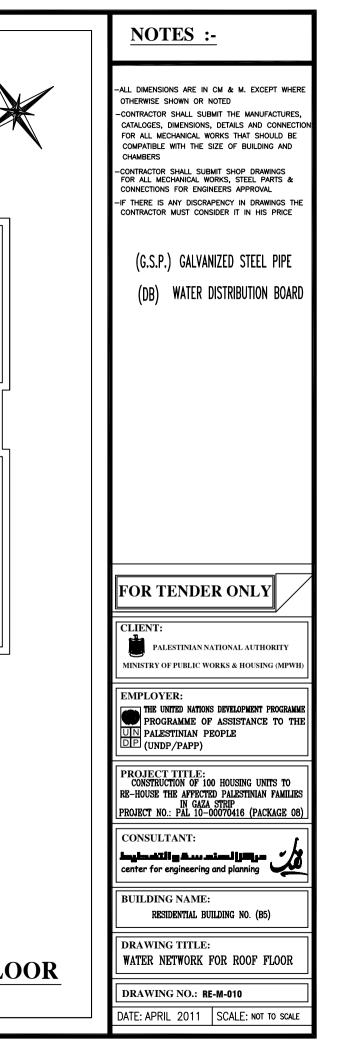


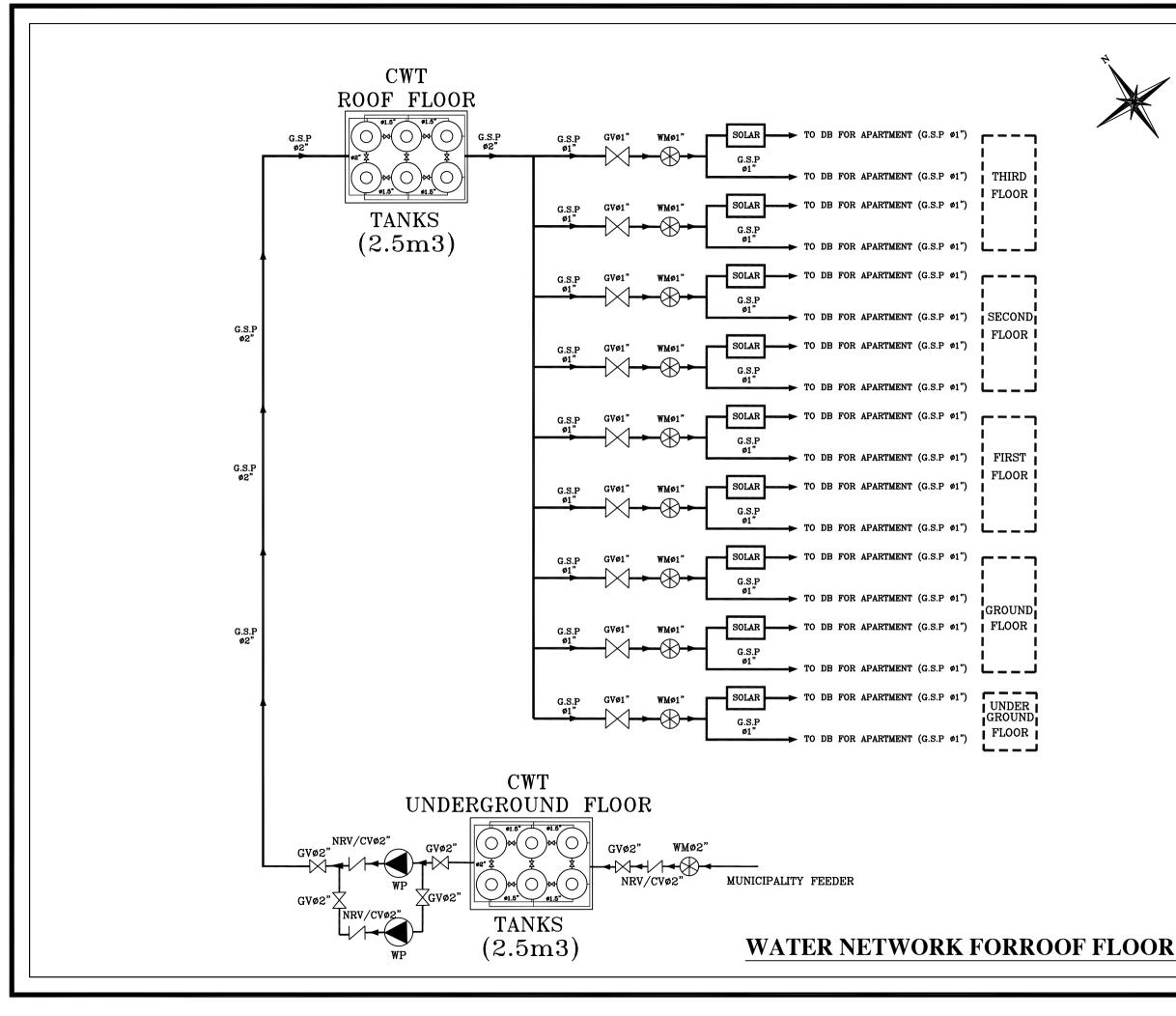
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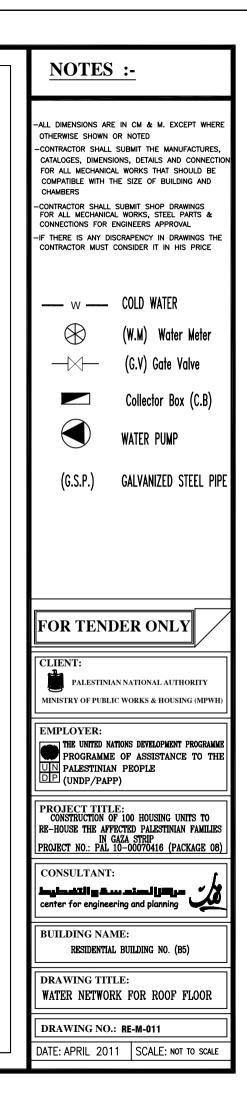
FROM UNDERGROUND FLOOR

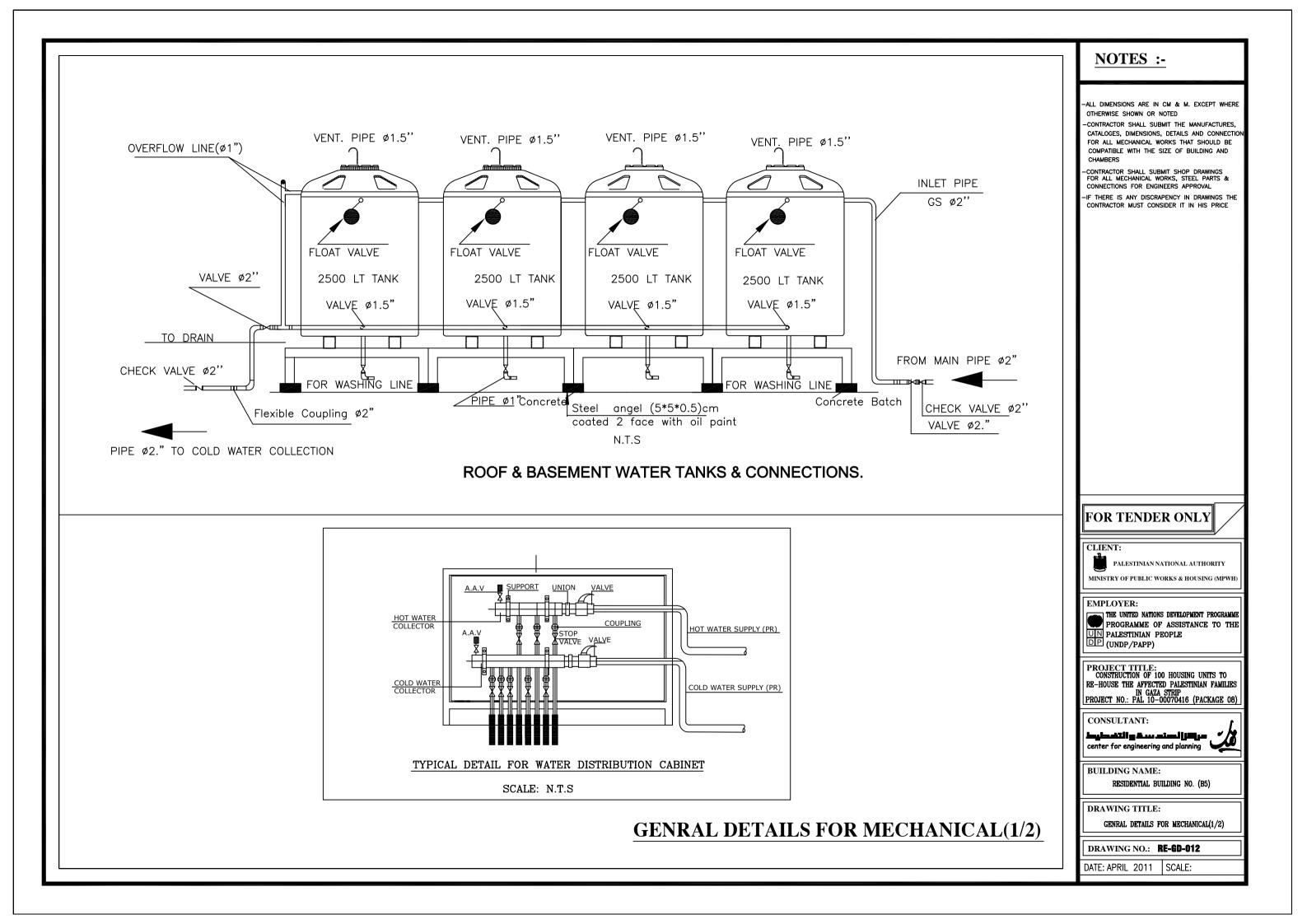
WATER NETWORK FORROOF FLOOR

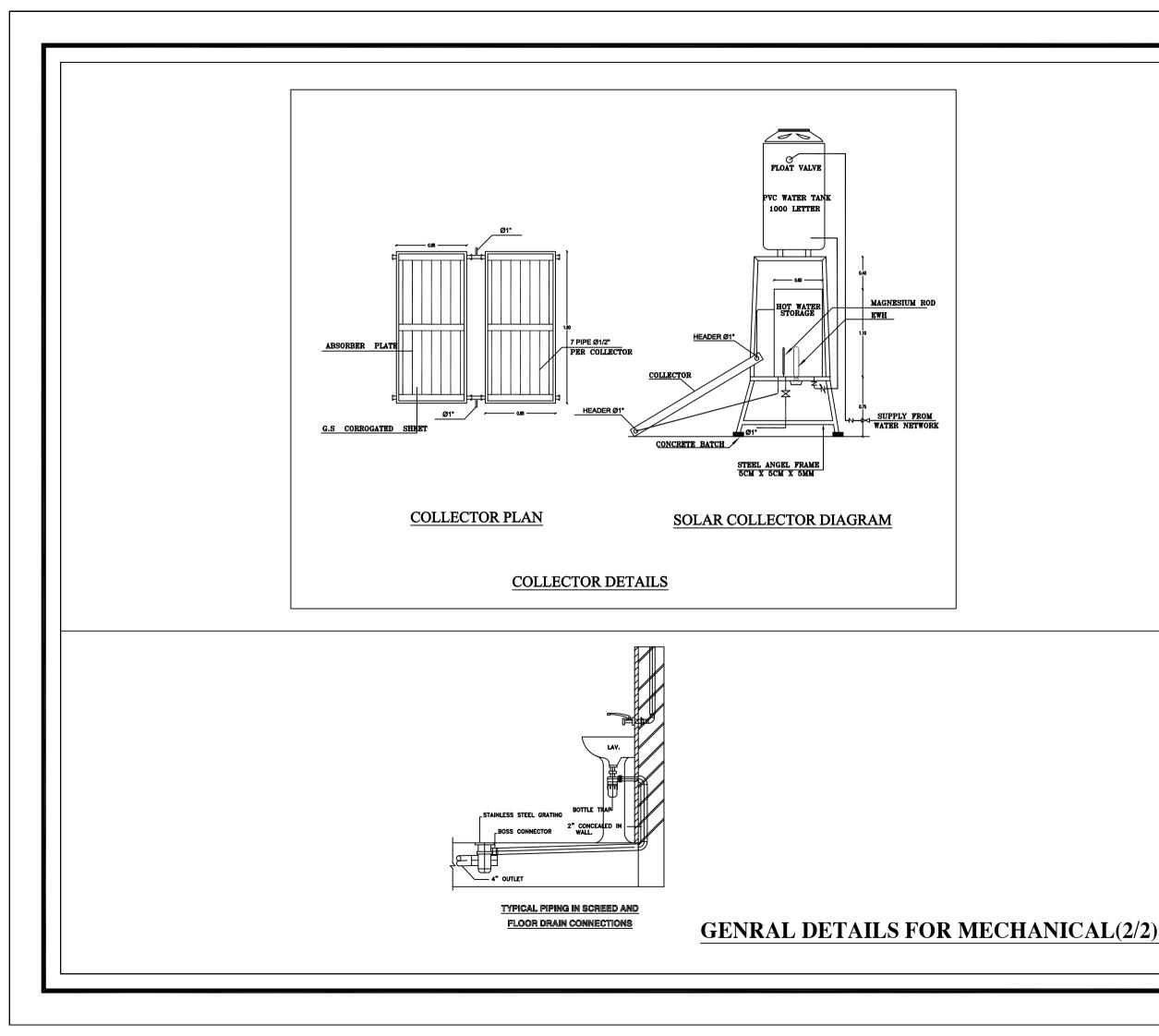


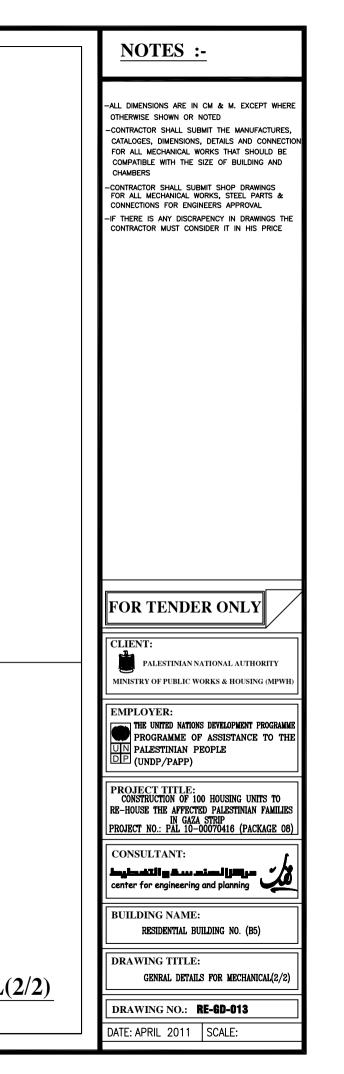


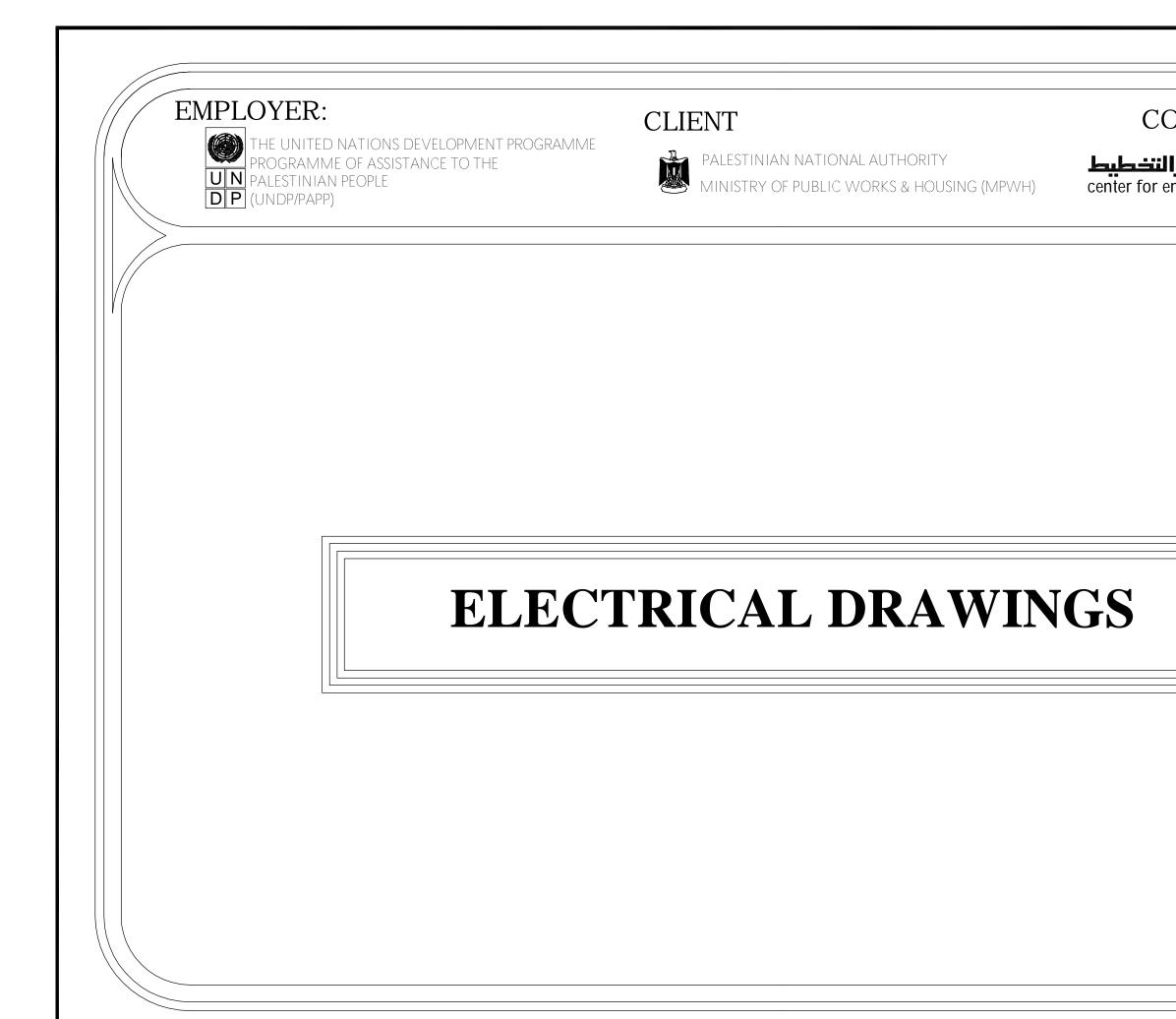














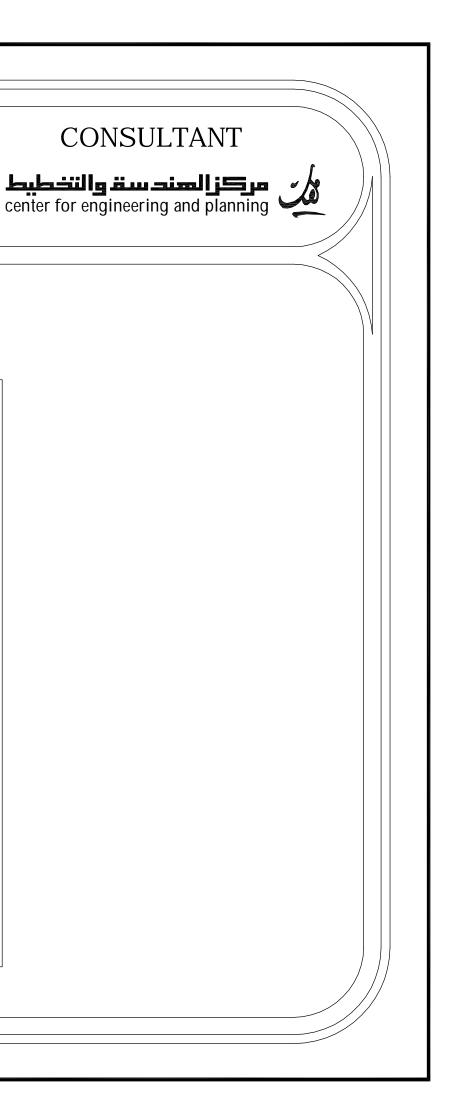


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE DP (UNDP/PAPP)

CLIENT



PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

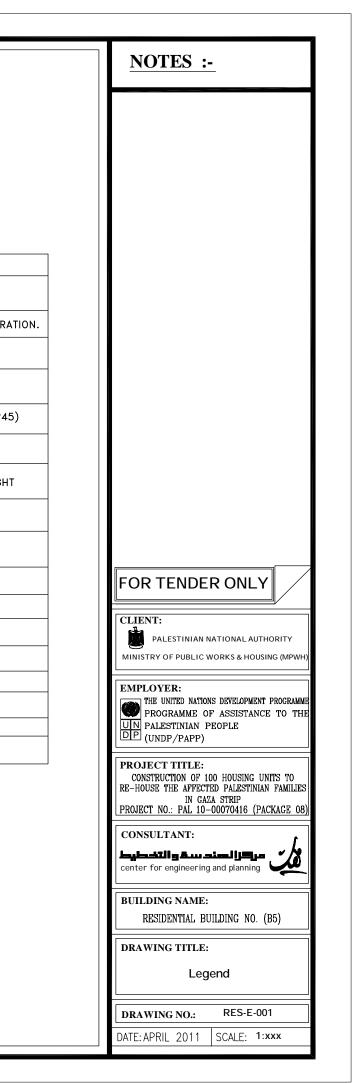


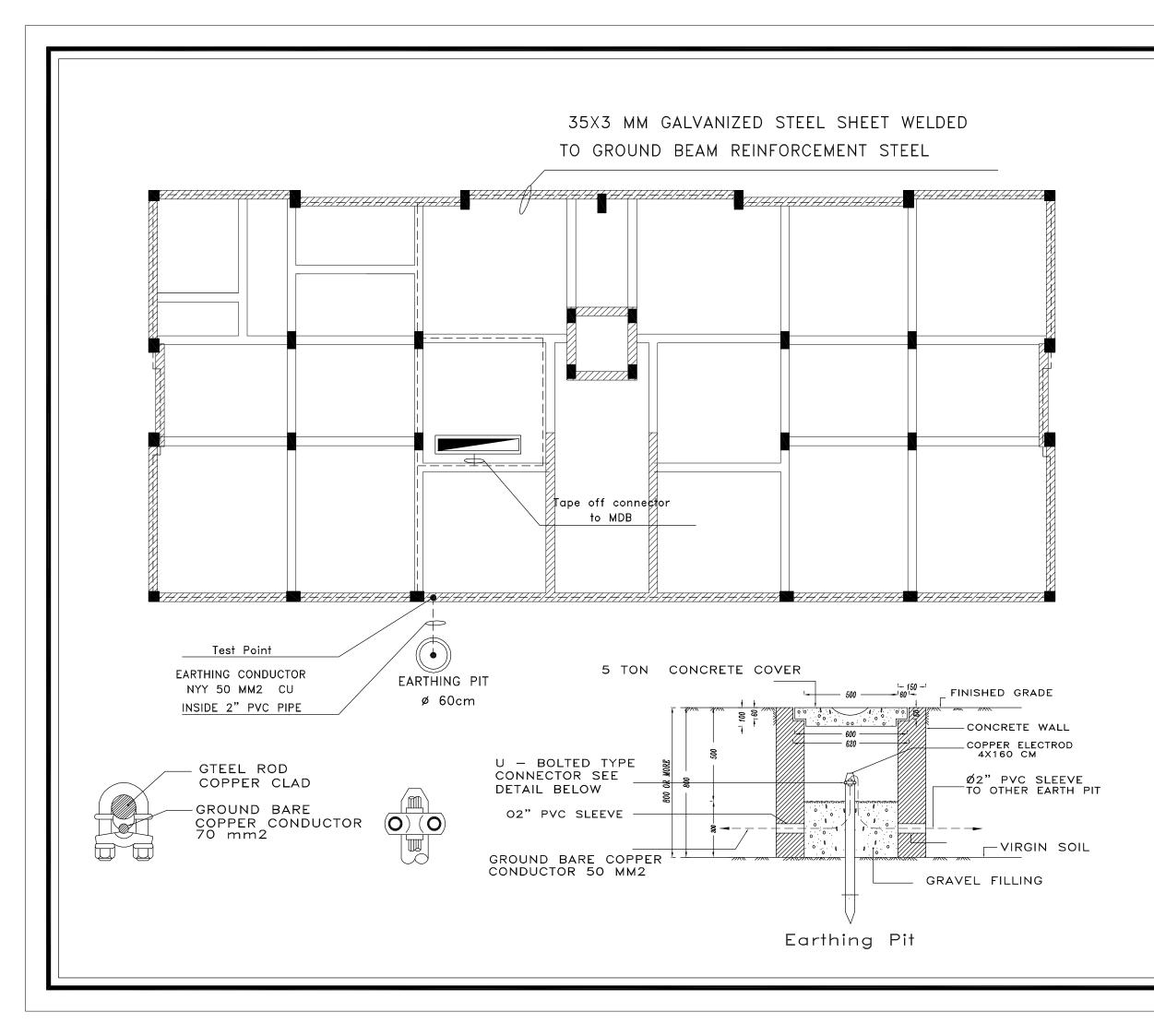
LIST OF DRAWINGS

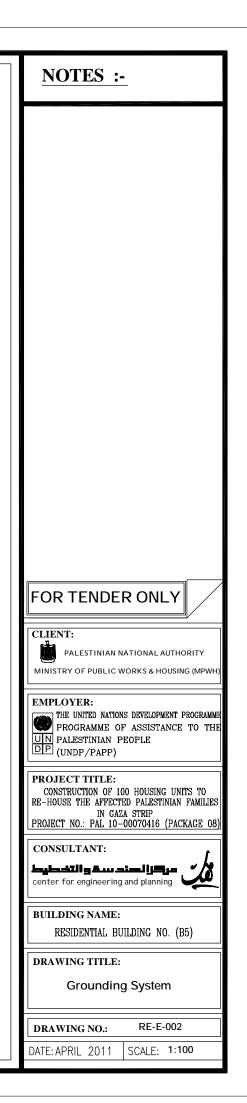
| S/NO. | DRAWING NAME | DRG. NO. |
|-------|---|----------|
| | ELECTRICAL DRAWING | |
| 01/16 | Legend | RE-E-001 |
| 02/16 | Grounding System | RE-E-002 |
| 03/16 | UNDERGROUND FLOOR-Electrical Arrangements | RE-E-003 |
| 04/16 | UNDERGROUND FLOOR-Lighting Fittings Layout | RE-E-004 |
| 05/16 | UNDERGROUND FLOOR-Power Fittings Layout | RE-E-005 |
| 06/16 | GROUND FLOOR-Lighting Fittings Layout | RE-E-006 |
| 07/16 | GROUND FLOOR-Power Fittings Layout | RE-E-007 |
| 08/16 | GROUND FLOOR-Telephone & TV Fittings Layout | RE-E-008 |
| 09/16 | TYPICAL FLOOR-Lighting Fittings Layout | RE-E-009 |
| 10/16 | TYPICAL FLOOR-Power Fittings Layout | RE-E-010 |
| 11/16 | TYPICAL FLOOR-Telephone & TV Fittings Layout | RE-E-011 |
| 12/16 | TYPICAL FLAT PANEL-DB-G1 Single Line Power Diagram | RE-E-012 |
| 13/16 | UNDERGROUND FLOOR-DB-B Single Line Power Diagram | RE-E-013 |
| 14/16 | UNDERGROUND FLOOR-MDB Main Distribution Board | RE-E-014 |
| 15/16 | Power Cables Riser Diagram | RE-E-015 |
| 16/16 | Telephone Cables Riser Diagram | RE-E-016 |

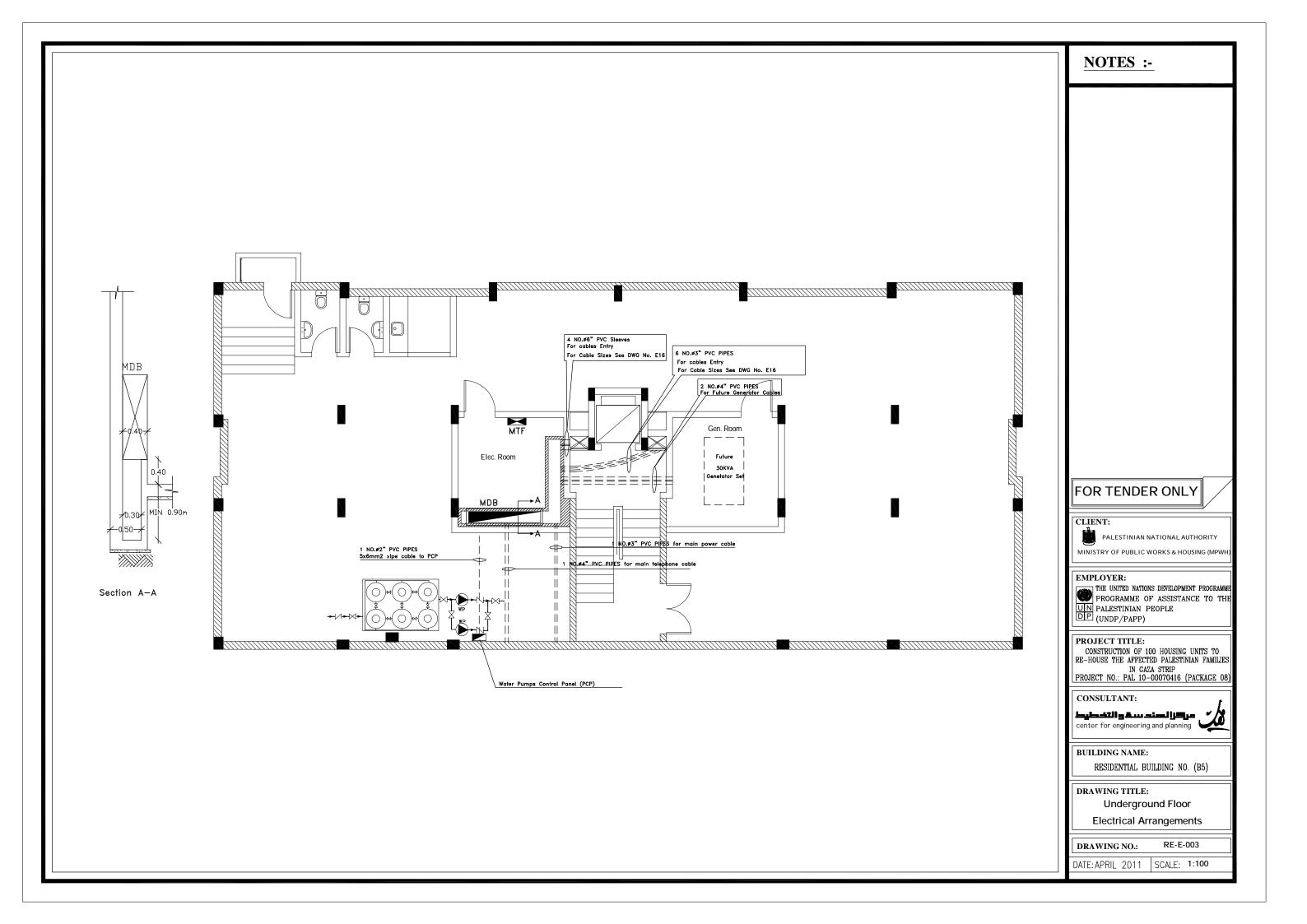
| SYMBOL | DESCRIPTION |
|------------------|--|
| -(| 16A SINGLE PHASE, 3-PIN SOCKET OUTLET H=45CM F.F.F.L |
| -1 | 16A SINGLE PHASE, 3-PIN SOCKET OUTLET, WATER PROOF.IP65 H=140CM F.F.F.L |
| À | 1×20A - 220V AIR CONDITIONING SOCKETOUTLET +CONTROL SWITCH WITH INDICATOR LAMP. H=160CM F.F.F.L |
| # - K | THREE PHASE, SOCKET OUTLET H=140CM F.F.F.L |
| (W.H) | ELECTRICAL WATER HEATER H=180CM F.F.F.L |
| | OUTDOOR A/C UNITS |
| | A/C SPLIT UNIT |
| | SUB-DISTRIBUTION BOARD H=160CM F.F.F.L |
| | MAIN DISTRIBUTION BOARD (MDB) |
| | WALL OR WINDOW MOUNTED EXHAUST FAN |
| \sim | Electrical Bell |
| \square | RJ11 TELEPHONE SOCKET OUTLET. |
| TEL | TELEPHONE JUNCTION BOX H=45CM F.F.L |
| | Intercom Indoor Handle H=160CM F.F.F.L |
| | Intercom Outdoor Panel H=160CM F.F.F.L |
| | TV SOCKET OUTLET H=45CM F.F.F.L |
| TV | TELEPHONE JUNCTION BOX H=45CM F.F.L |
| MTF | MAIN TELEPHONE FRAME H=45CM F.F.L |

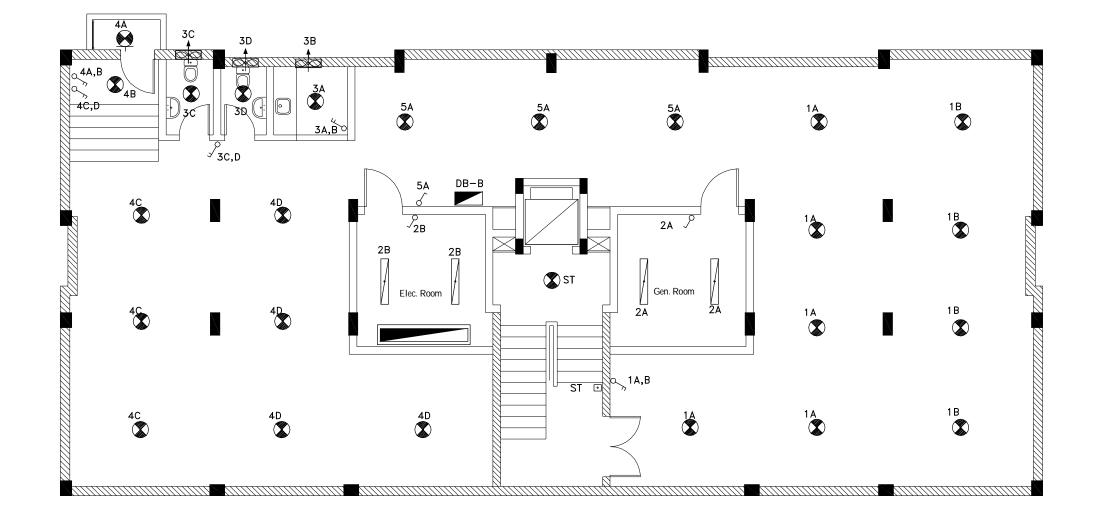
| SYMBOL | DESCRIPTION |
|--------|---|
| | 2x36W SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE WITH OUT REFLECTOR IP20 |
| EM | DITTO BUT WITH BACK UP POWER BUILT IN, FOR 1.5HR DURA |
| | 2x36W SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE WATER PROOF IP65 |
| EM | 2x36W SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE WATER PROOF IP65 |
| | 26W COMPACT FLUORESCENT SURFACE MOUNTED LIGHT (IP45 |
| - | DITTO BUT WALL MOUNTED |
| -18 | 10W INCANDESCENT WALL MOUNTED DECORATIVE NIGHT LIGHT |
| | CHNDELIER |
| 6 | 1-GANG LIGHTING SWITCH, ONE WAY 16A |
| 6 | DITTO BUT WATER PROOF IP 65 . |
| 6 | 2-GANG LIGHTING SWITCH, ONE WAY 16A |
| 6 | DITTO BUT WATER PROOF IP 65 . |
| F | 3-GANG LIGHTING SWITCH, ONE WAY 16A |
| J. | DITTO BUT WATER PROOF IP 65 . |
| Å | 2-WAY LIGHTING SWITCH, 16A |
| Å | DITTO BUT WATER PROOF IP 65 . |
| • | PUSHBUTTON LIGHTING SWITCH, ONE WAY 10A |
| • | • |

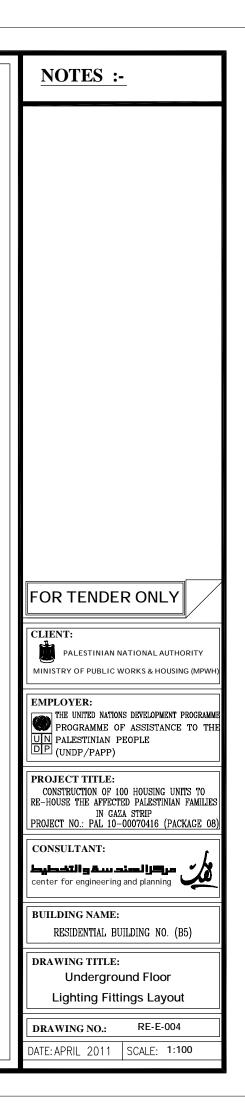


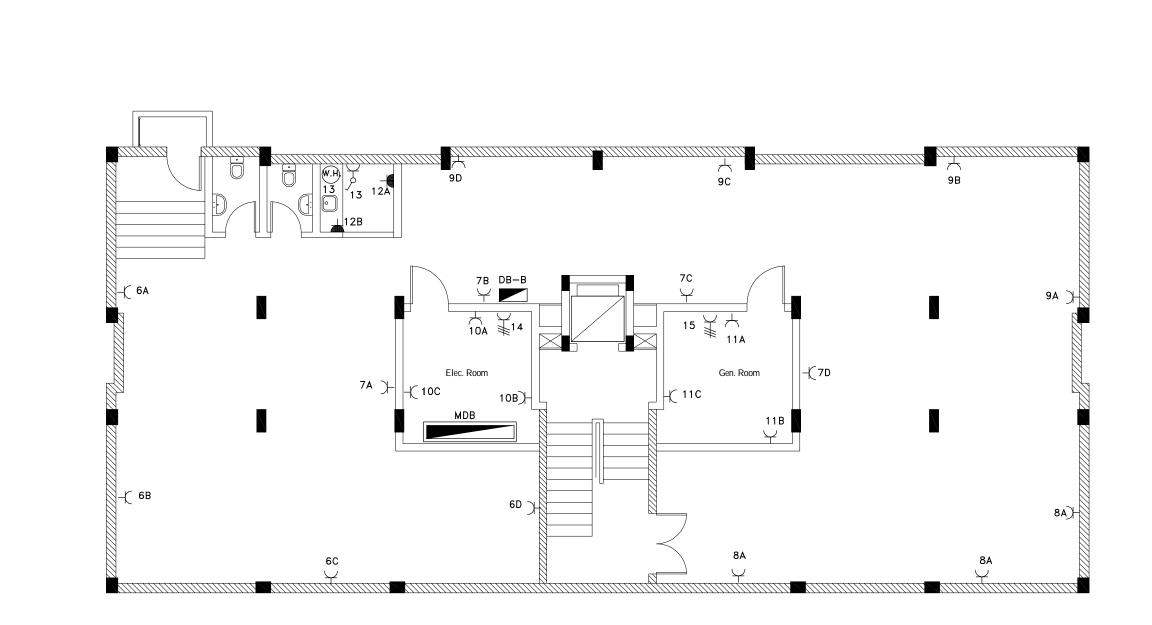


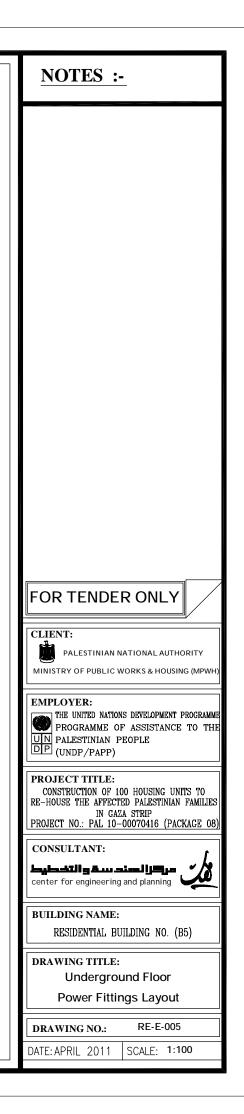


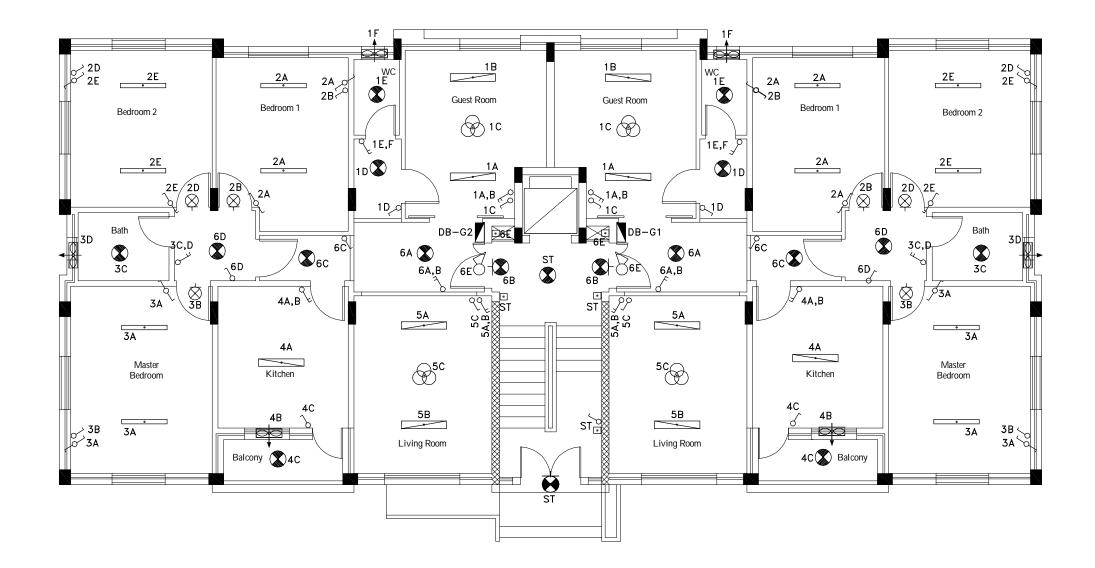


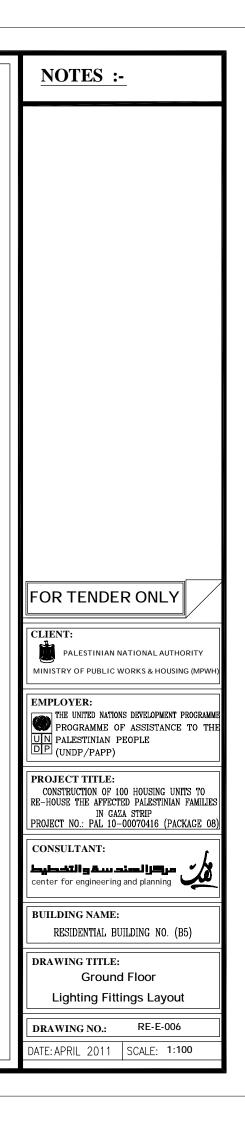


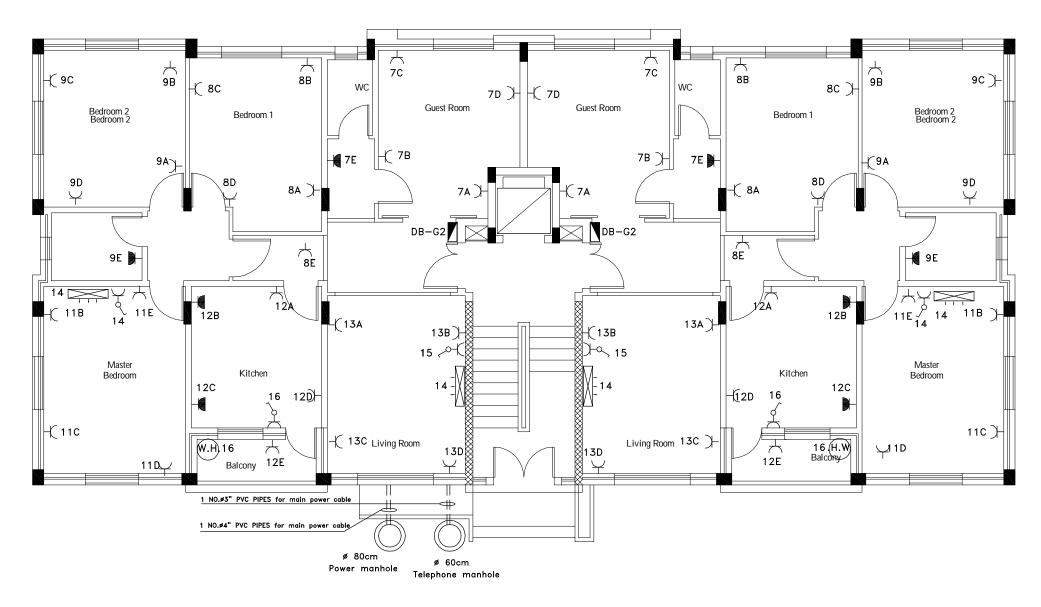


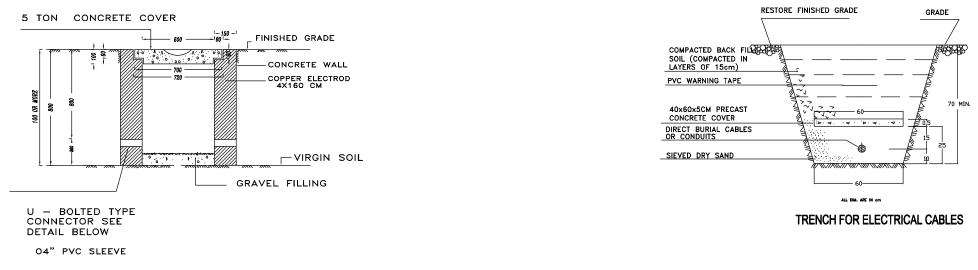




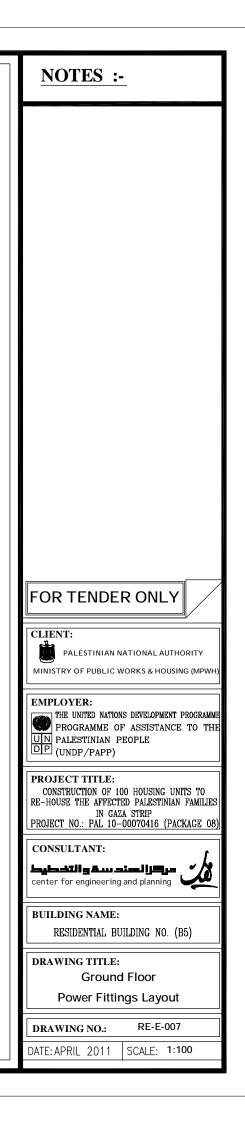


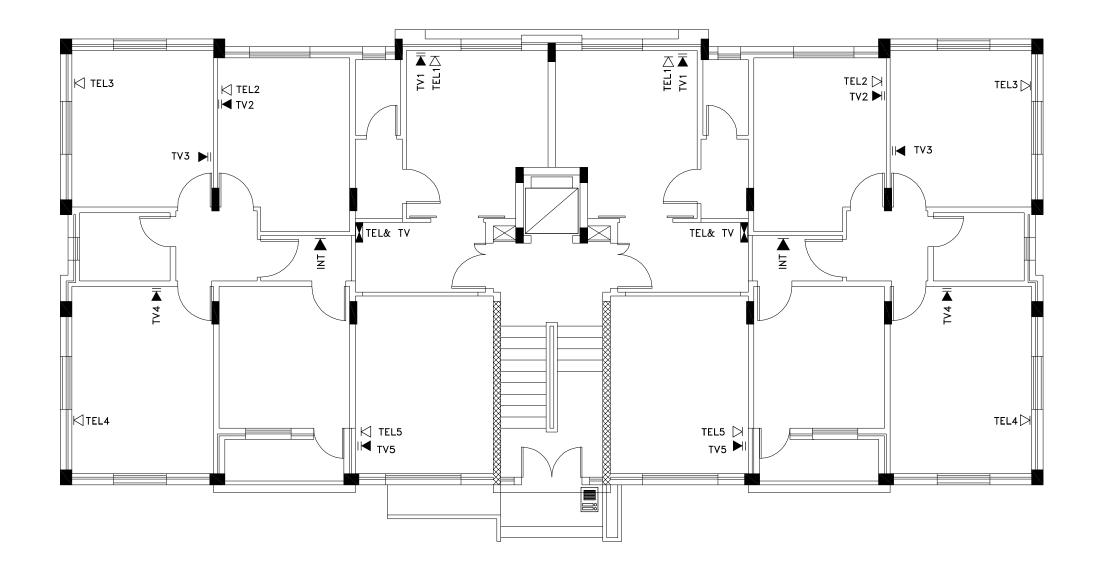


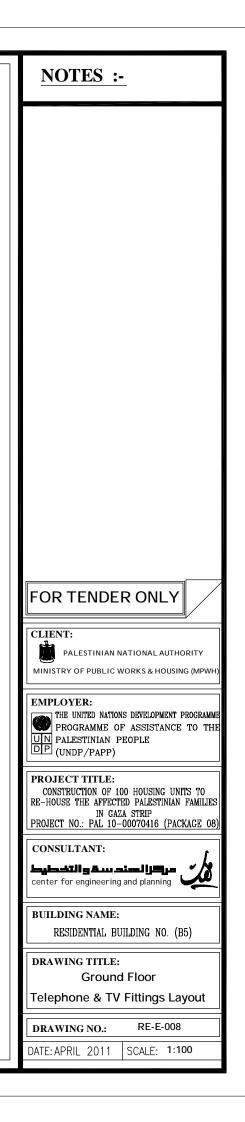


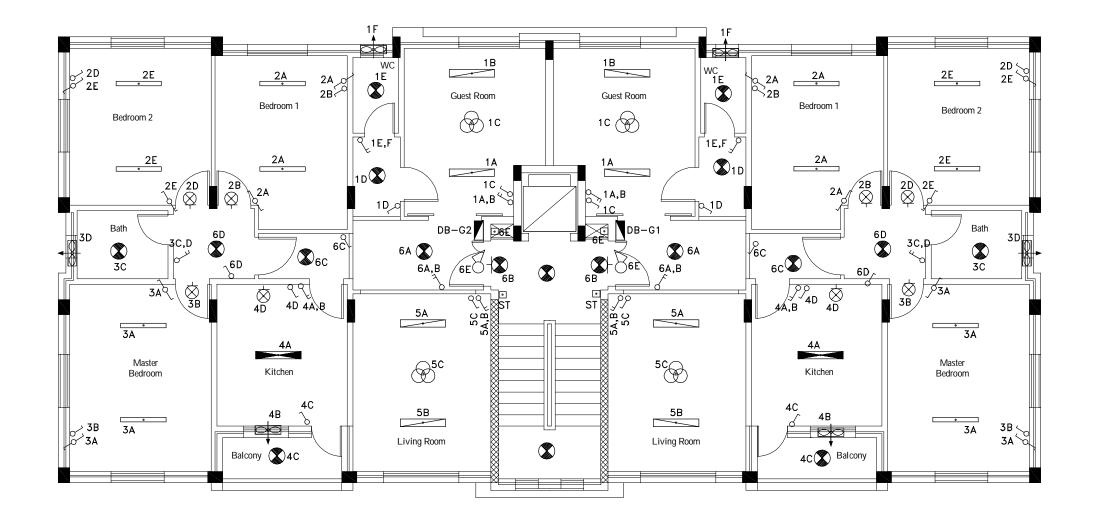


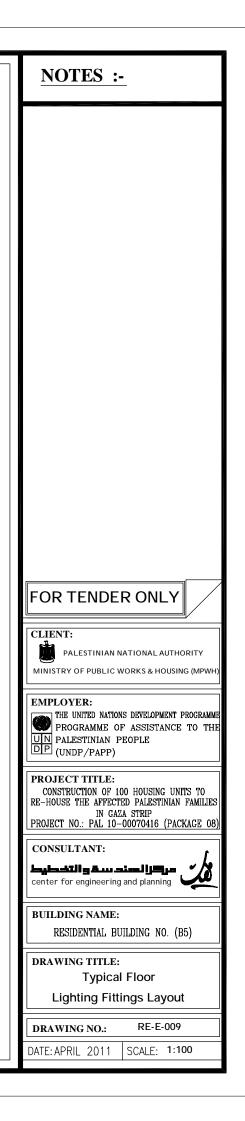
Power Manhole Details

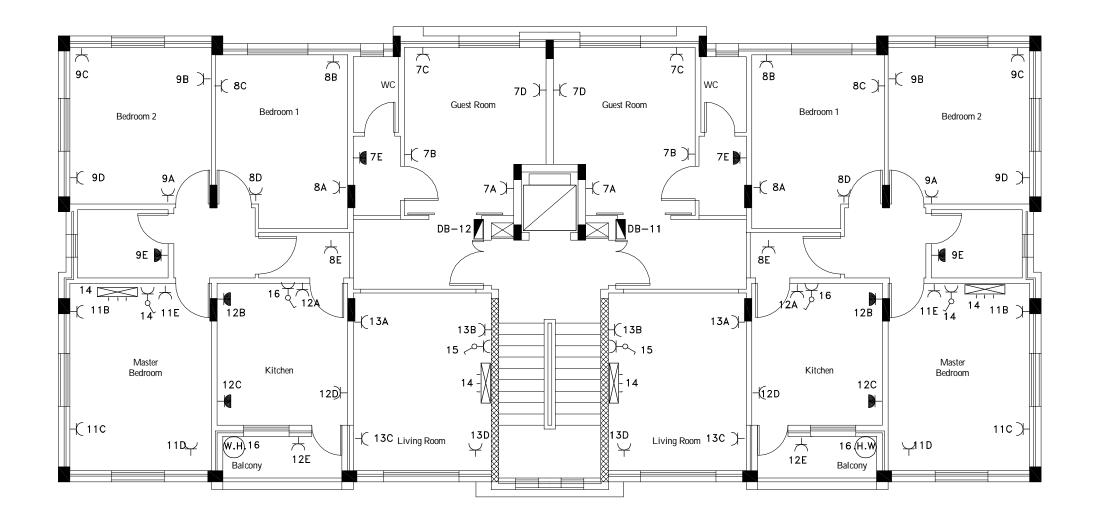


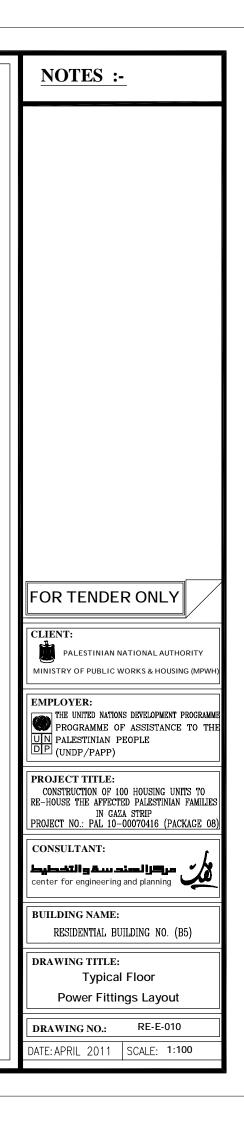


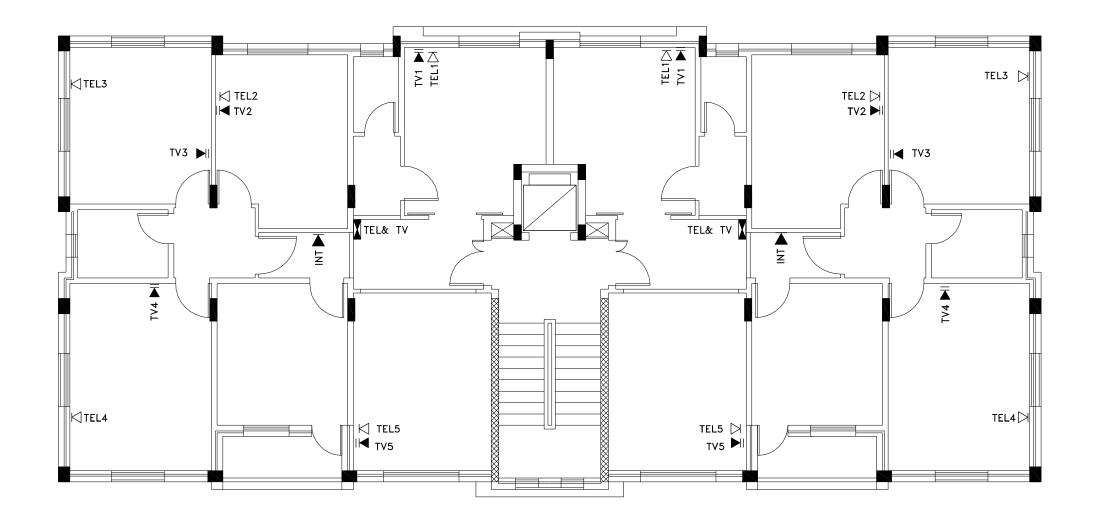


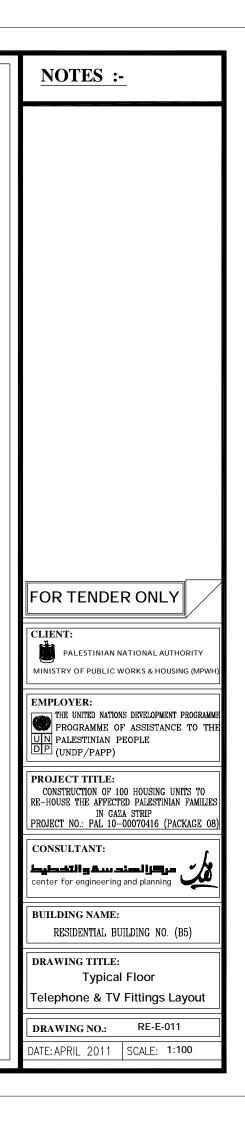


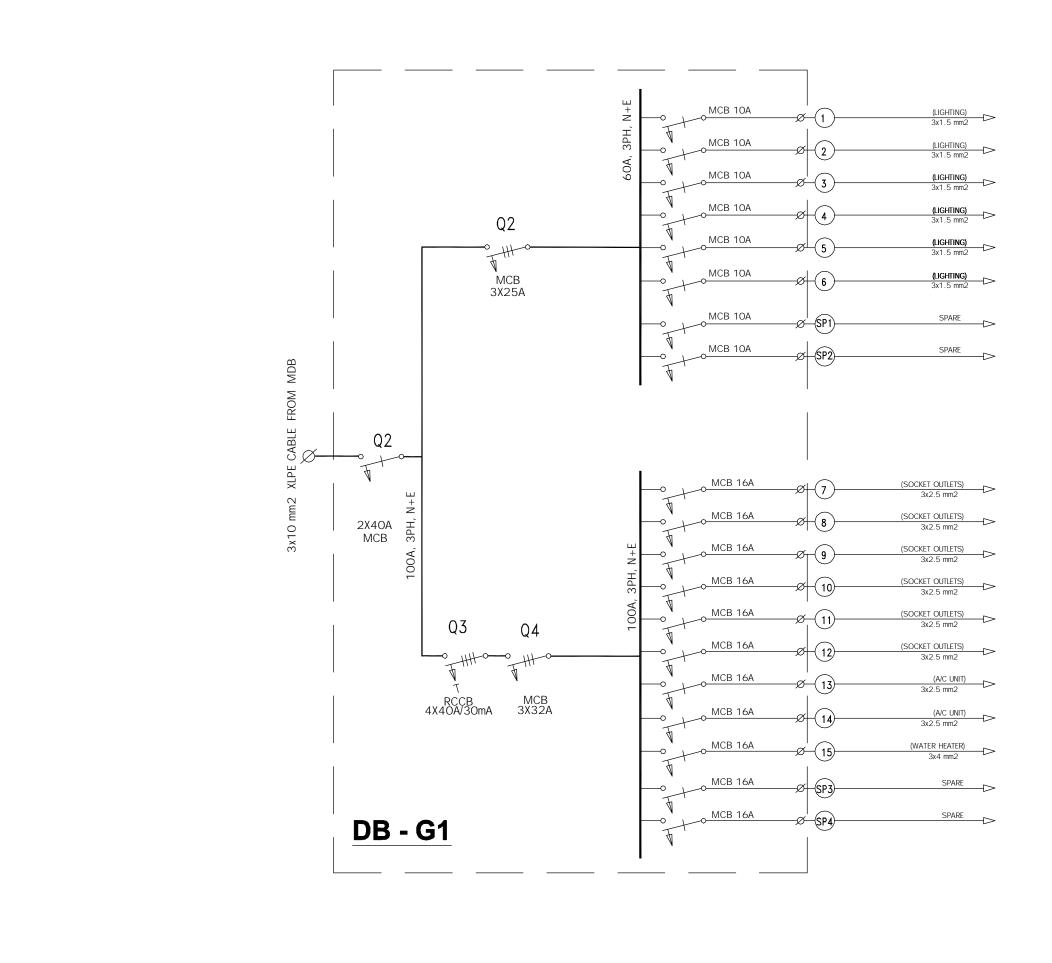


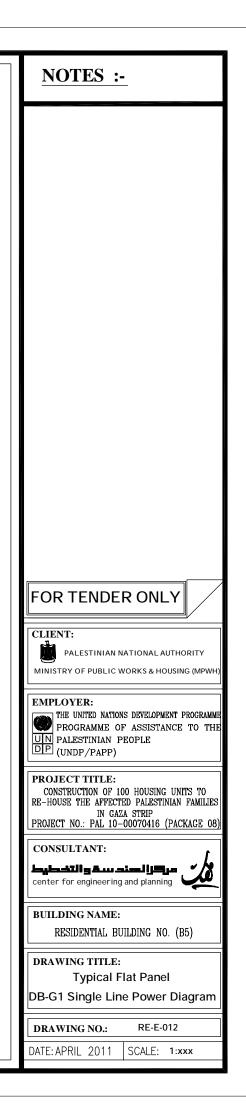


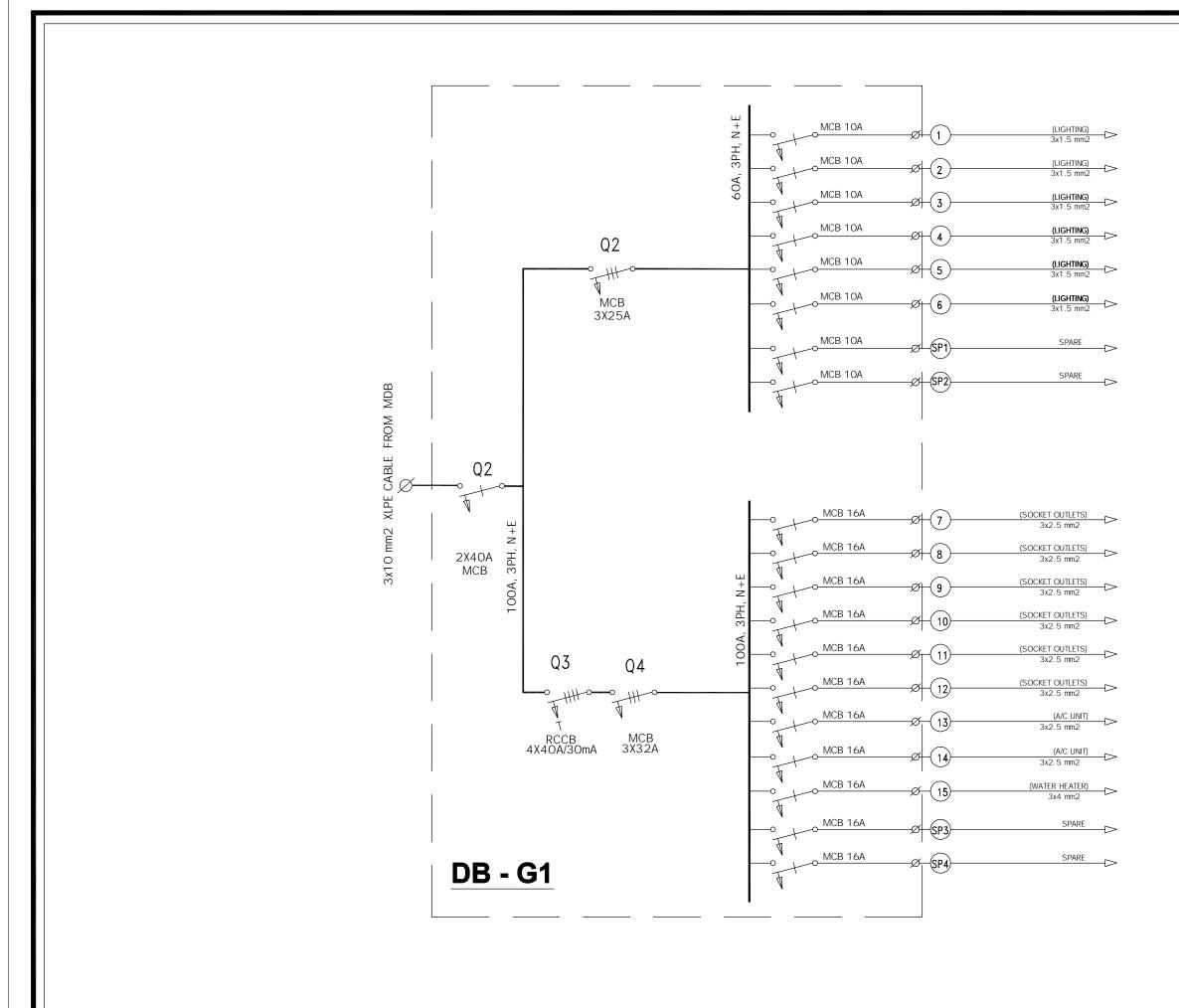


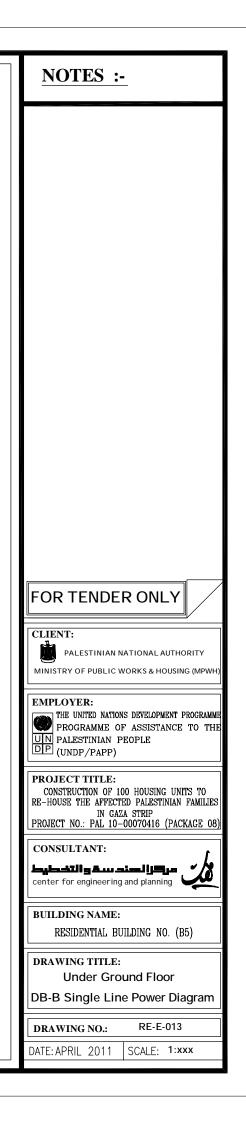


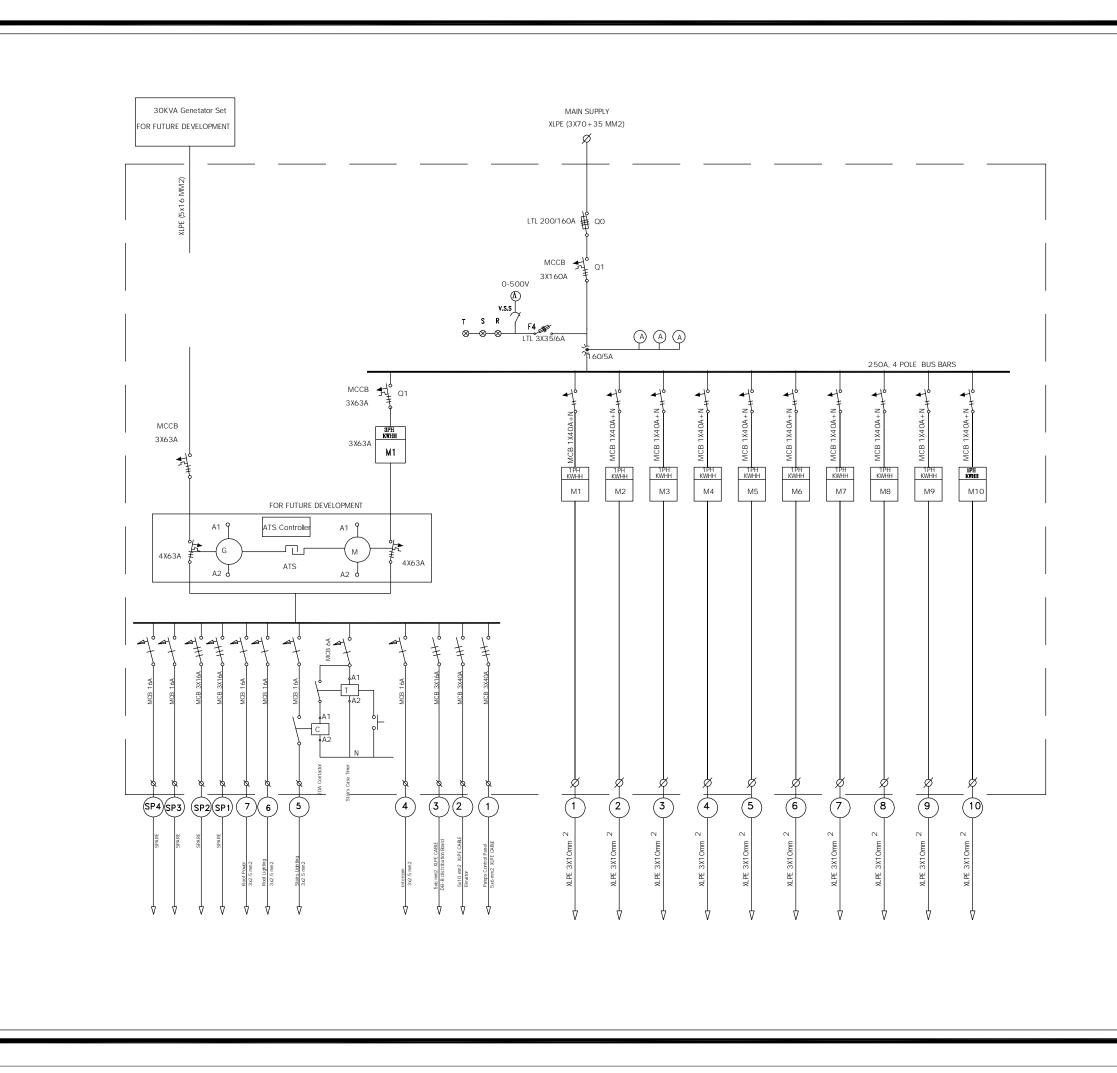


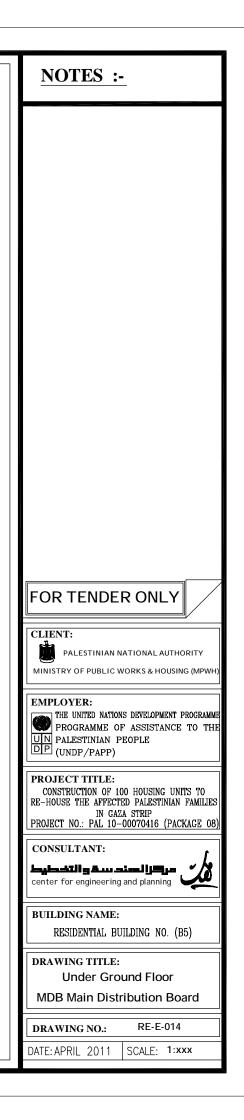


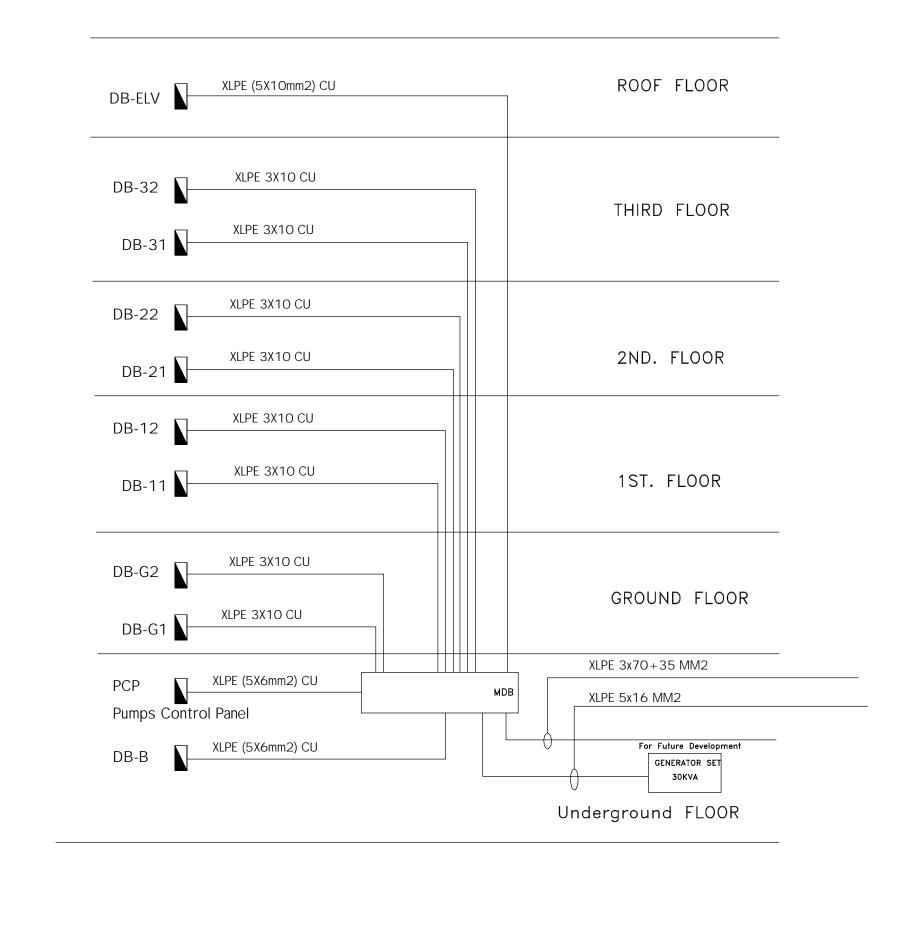


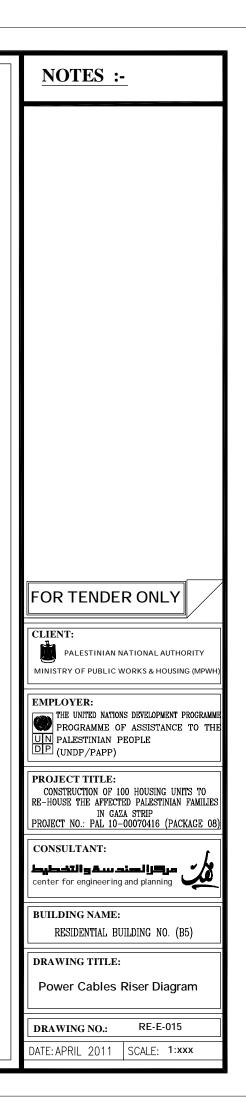


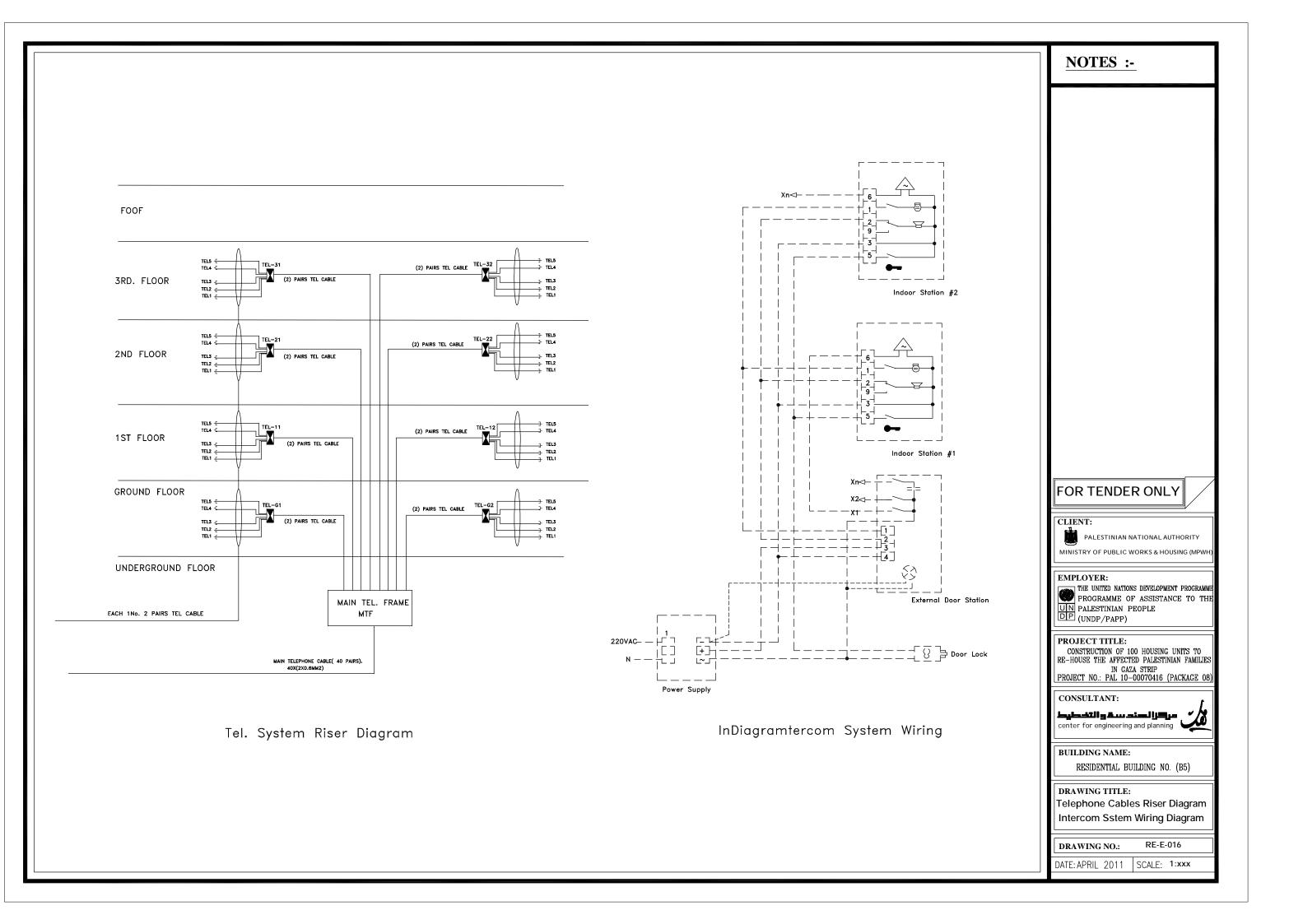


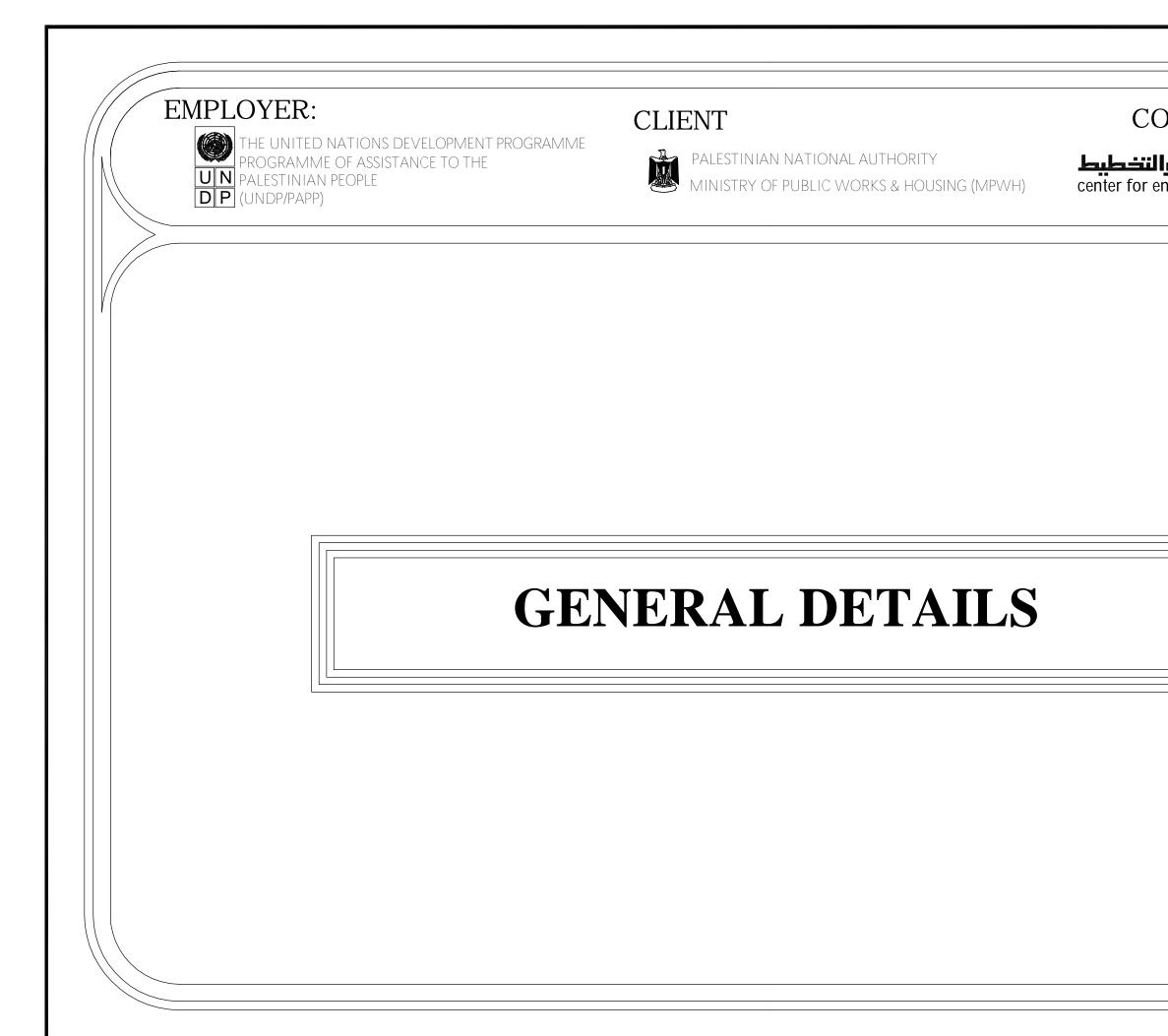


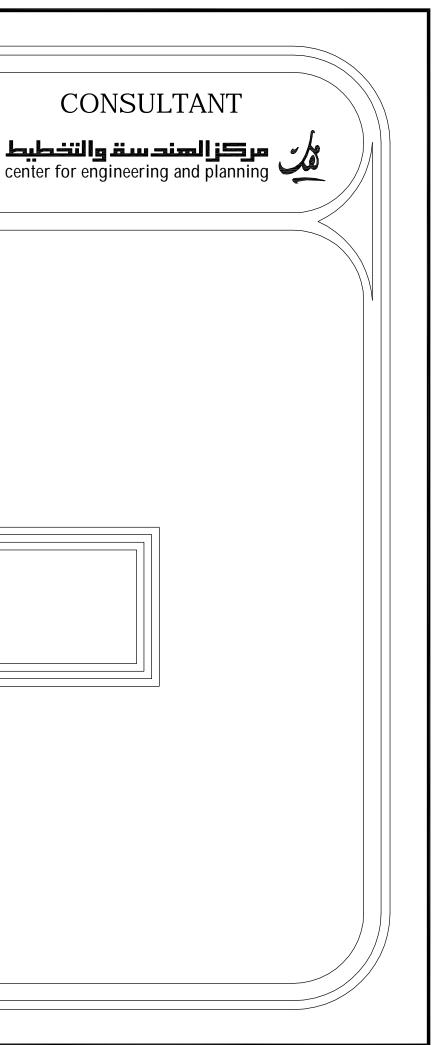












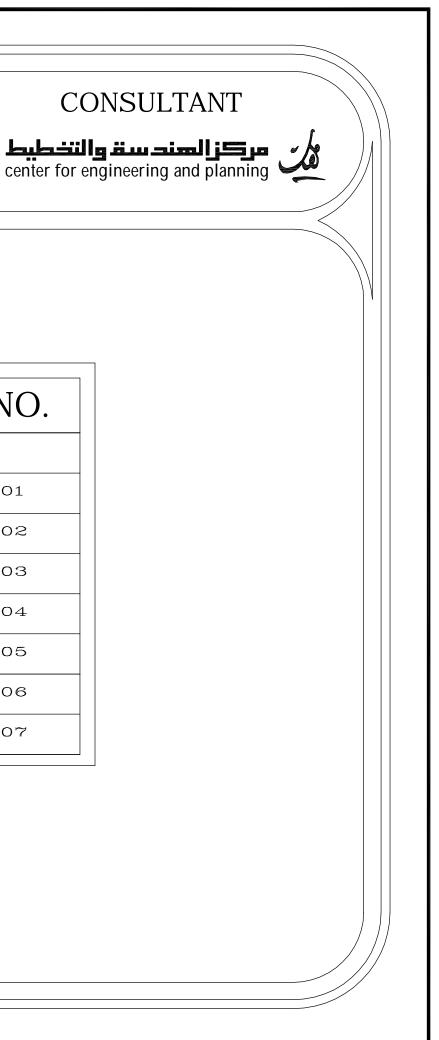


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE DP (UNDP/PAPP)

CLIENT

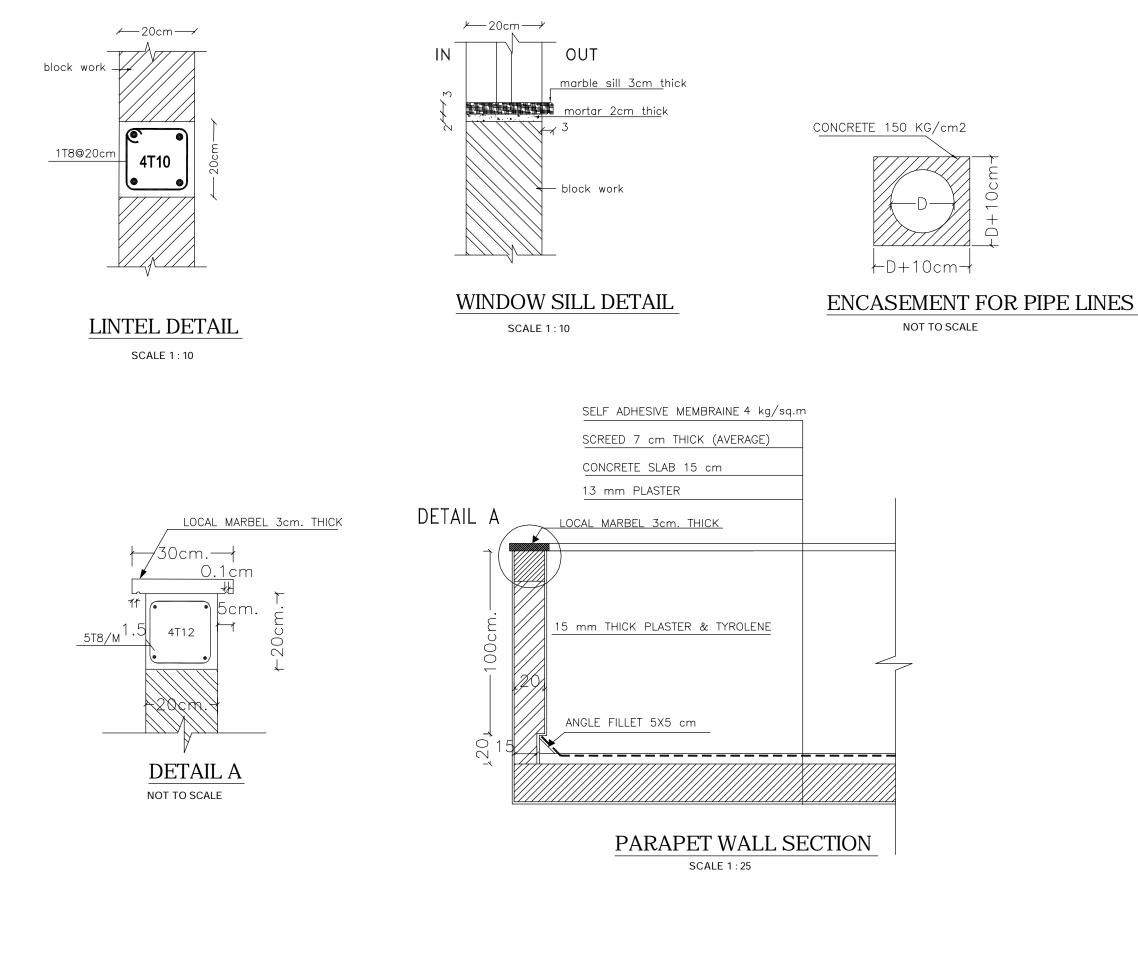


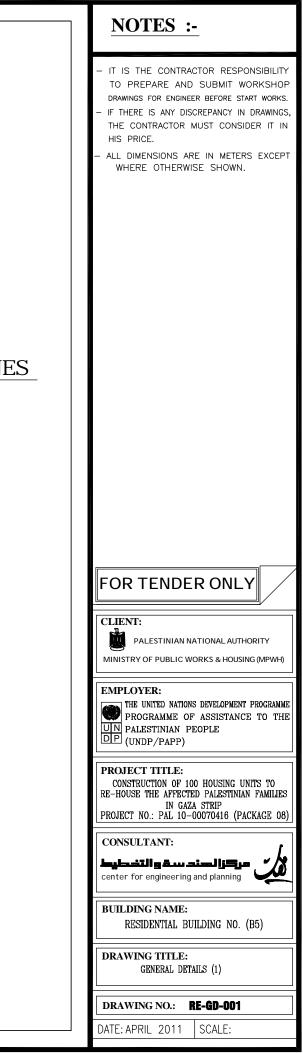
PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSI MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

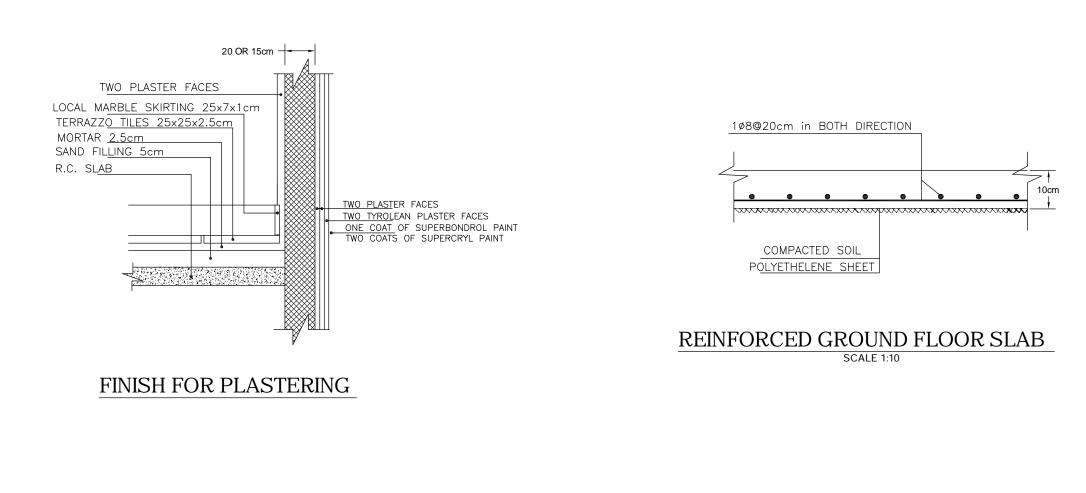


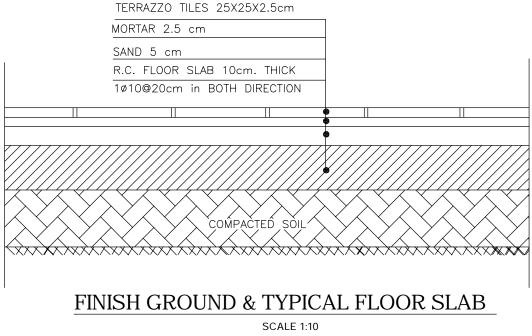
LIST OF DRAWINGS

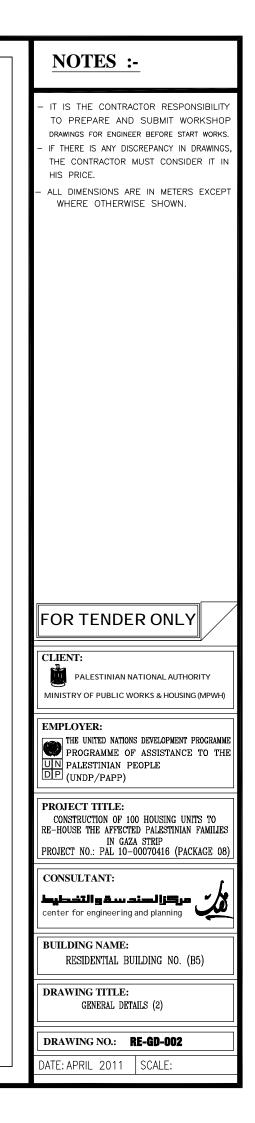
| S/NO. | DRAWING NAME | DRG. NO. |
|-------|---------------------|-----------|
| | GENERAL DETAILS | |
| 01/07 | GENERAL DETAILS (1) | RE-GD-001 |
| 02/07 | GENERAL DETAILS (2) | RE-GD-002 |
| 03/07 | GENERAL DETAILS (3) | RE-GD-003 |
| 04/07 | GENERAL DETAILS (4) | RE-GD-004 |
| 05/07 | GENERAL DETAILS (5) | RE-GD-005 |
| 06/07 | GENERAL DETAILS (6) | RE-GD-006 |
| 07/07 | GENERAL DETAILS (7) | RE-GD-007 |

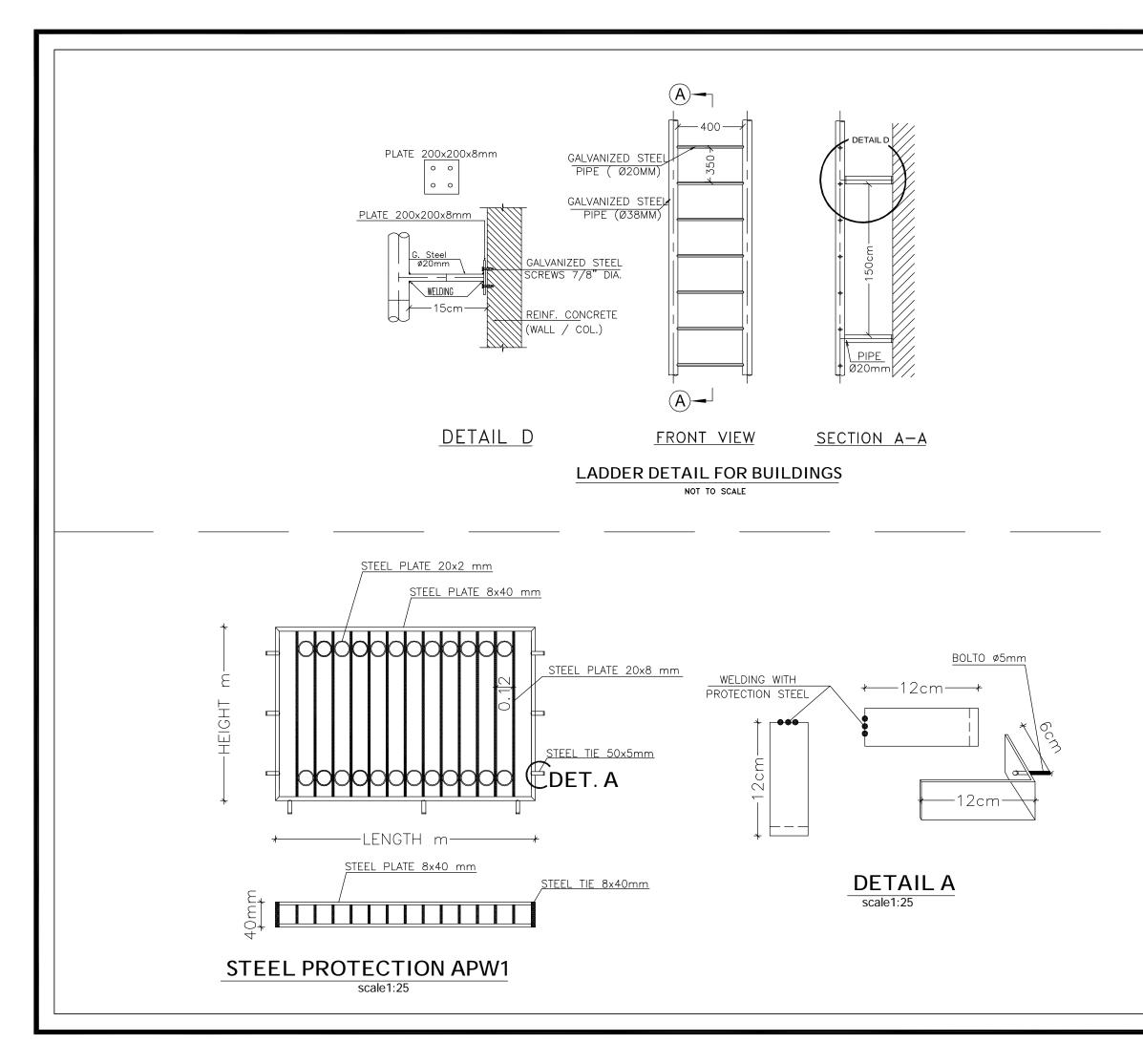


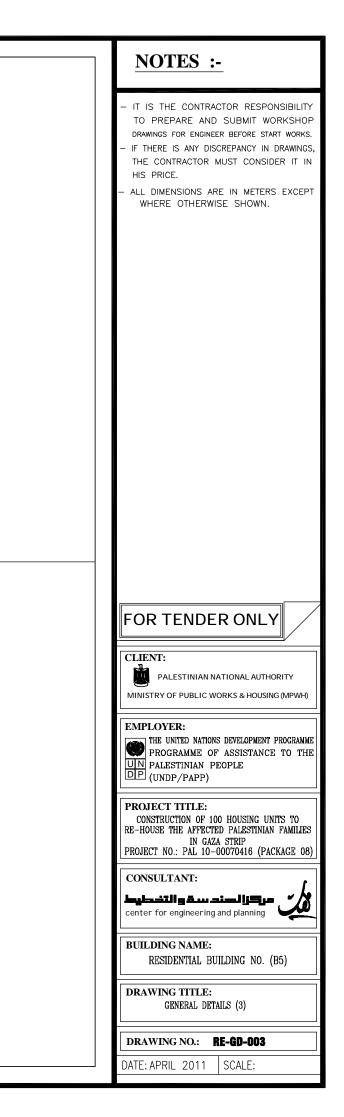


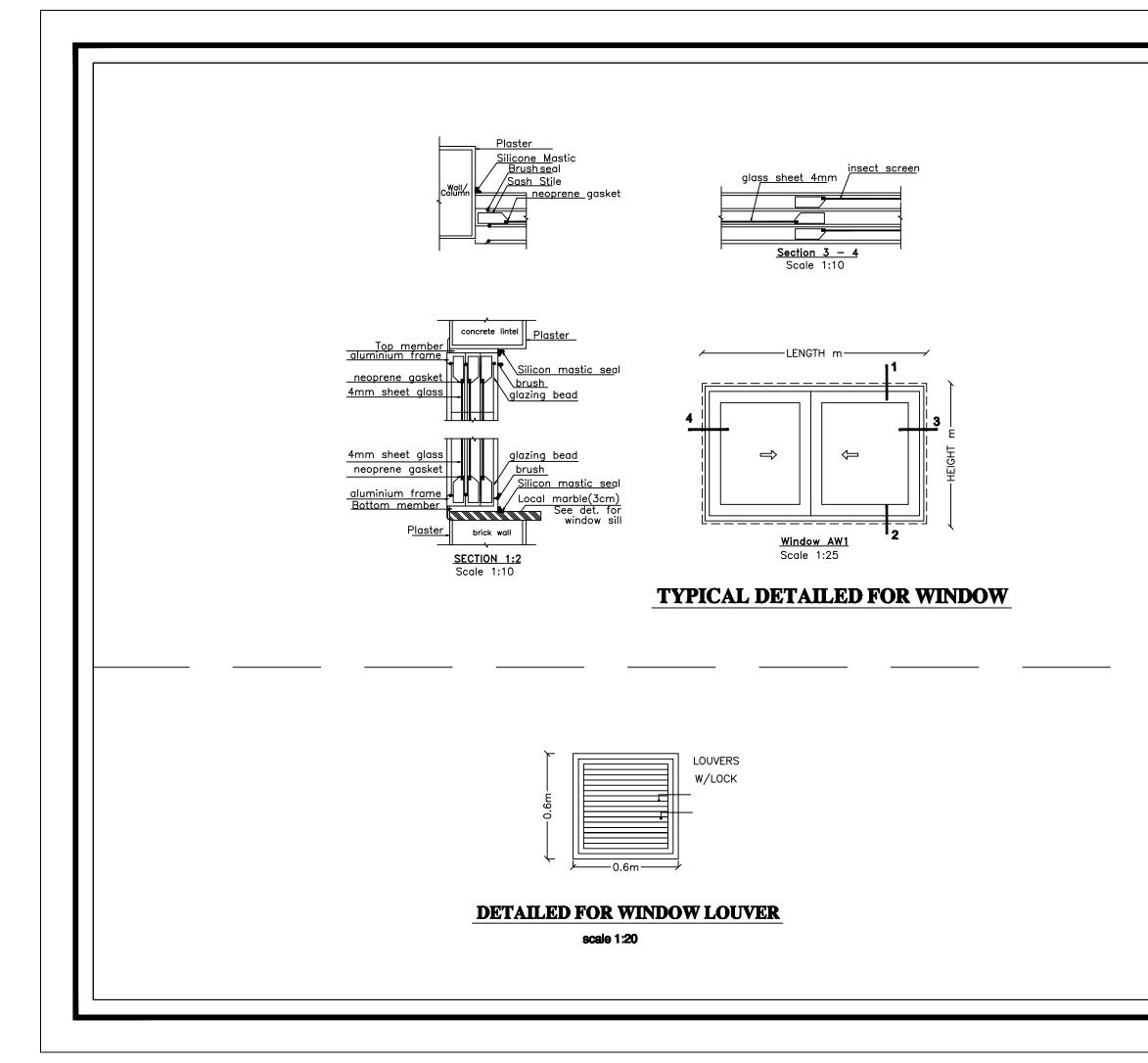


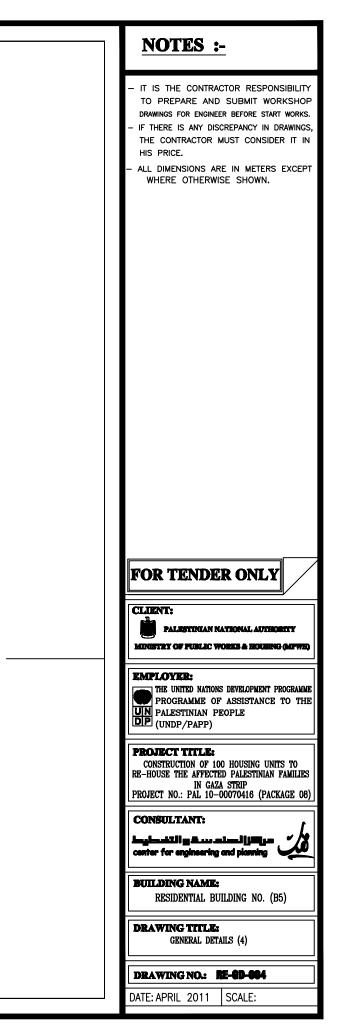


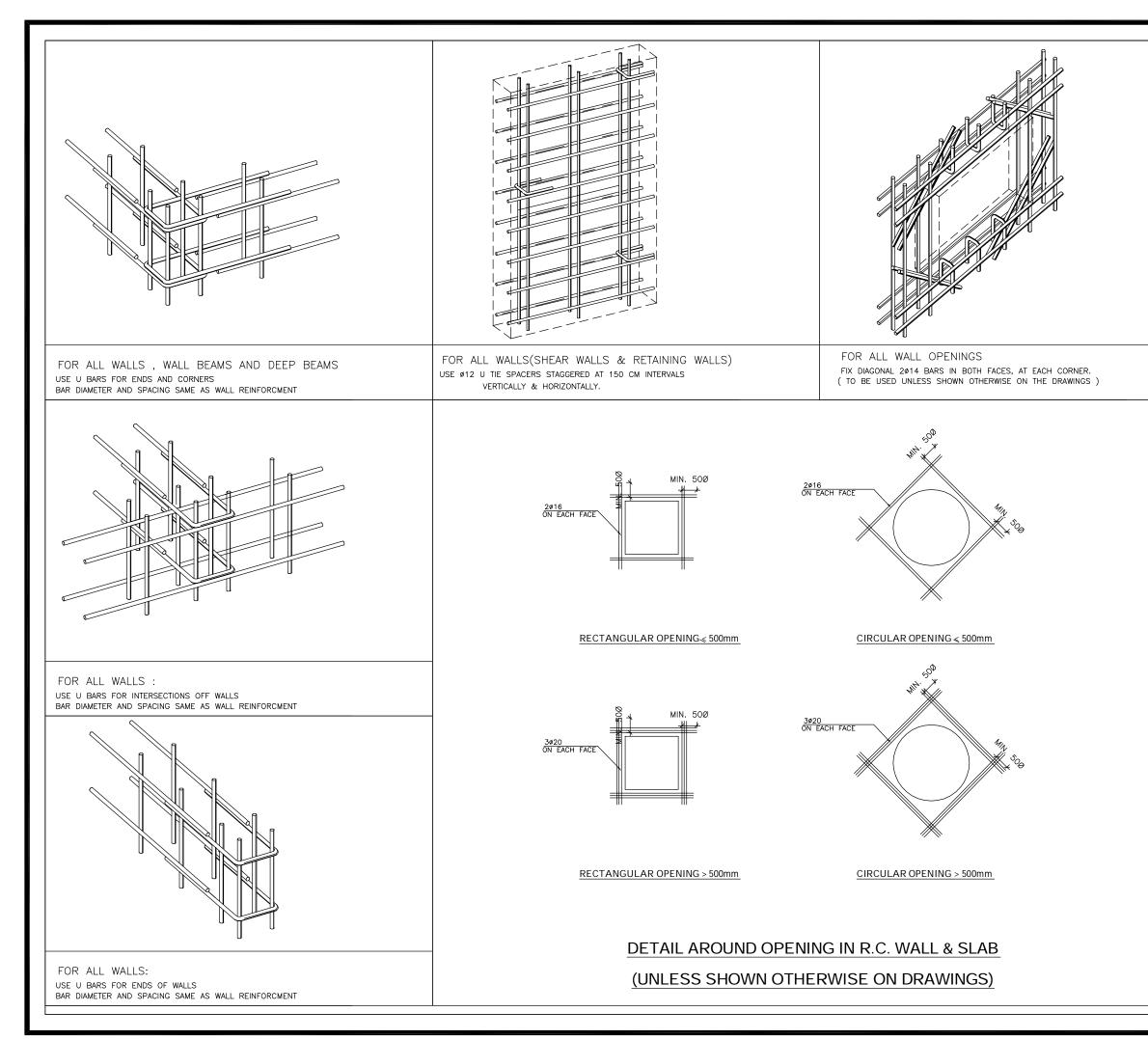


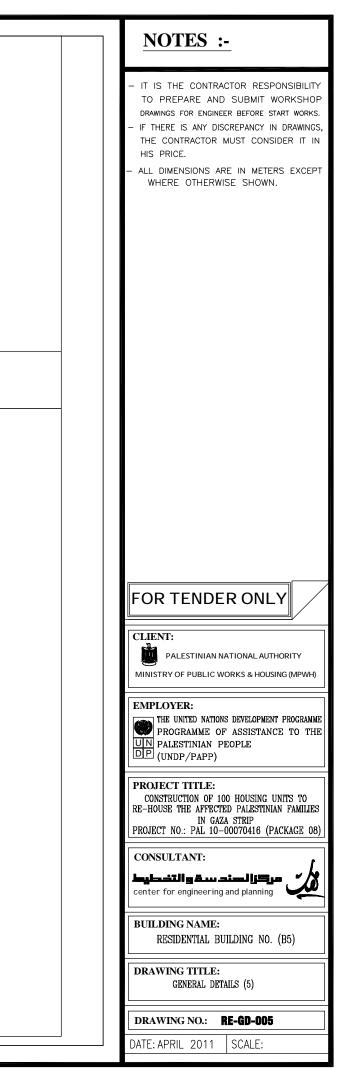






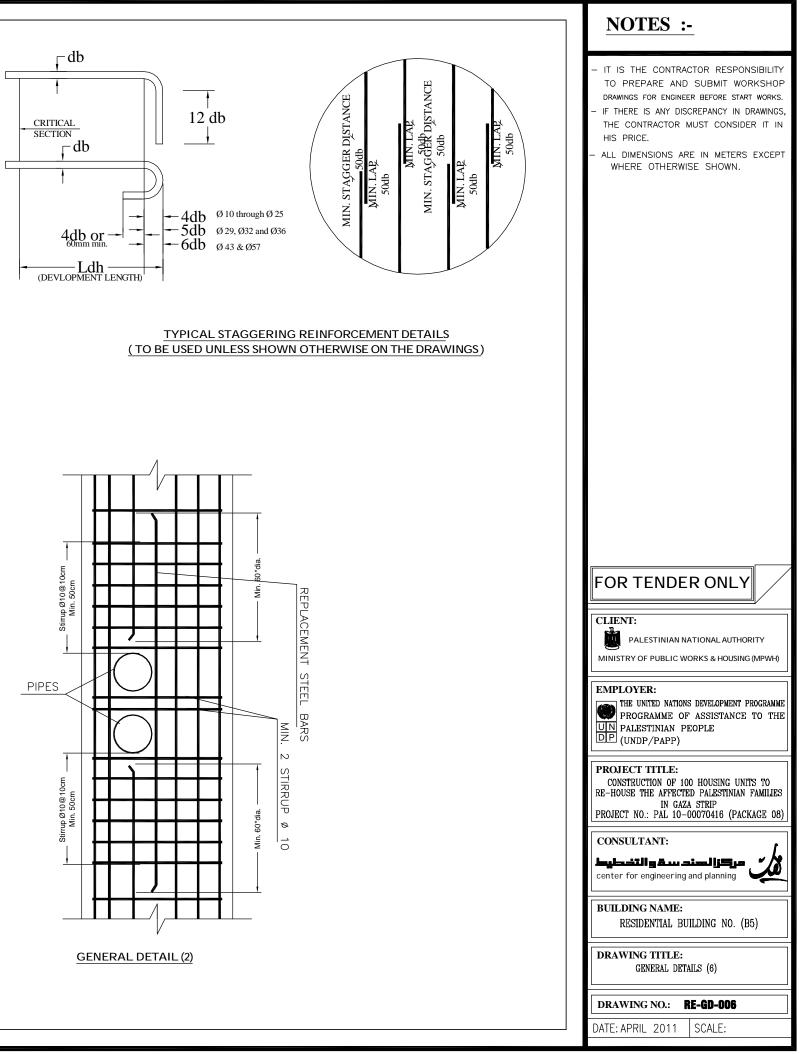


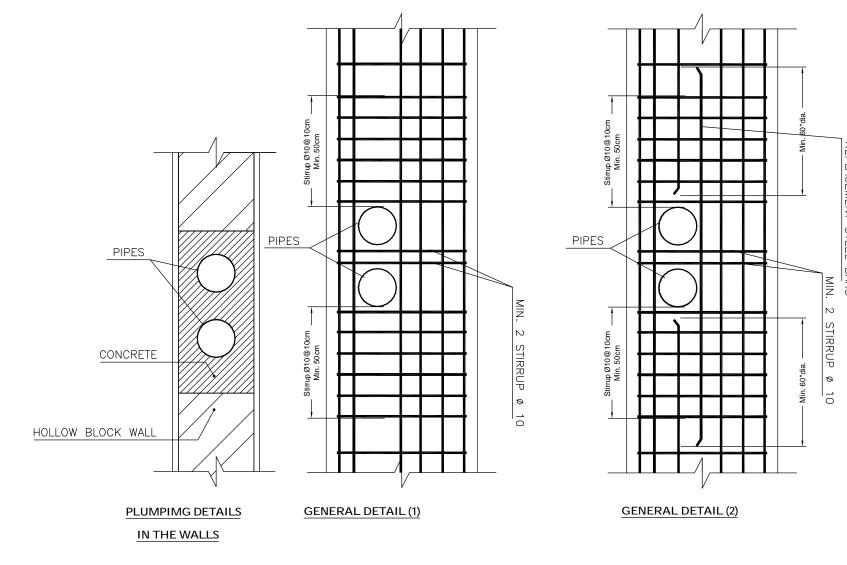


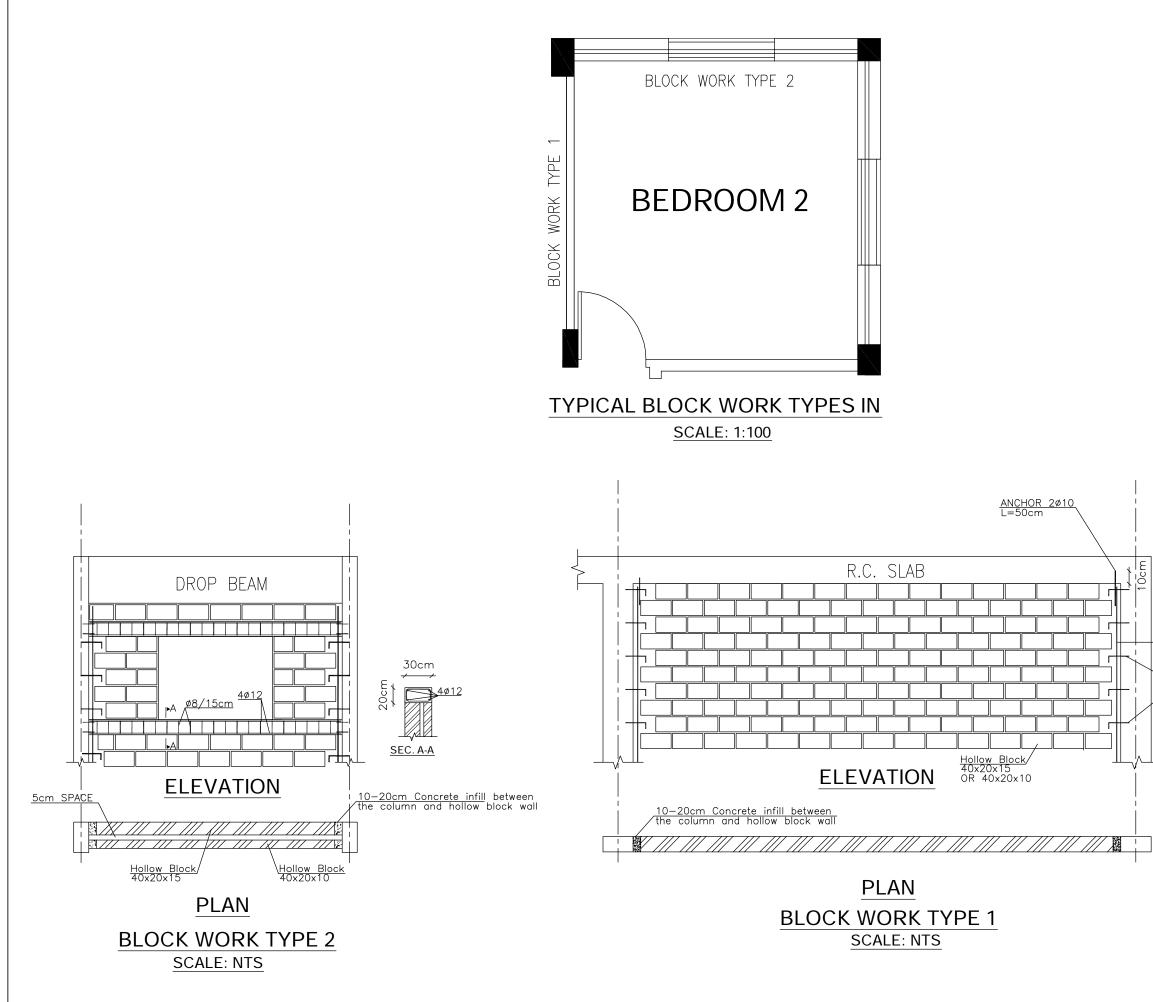


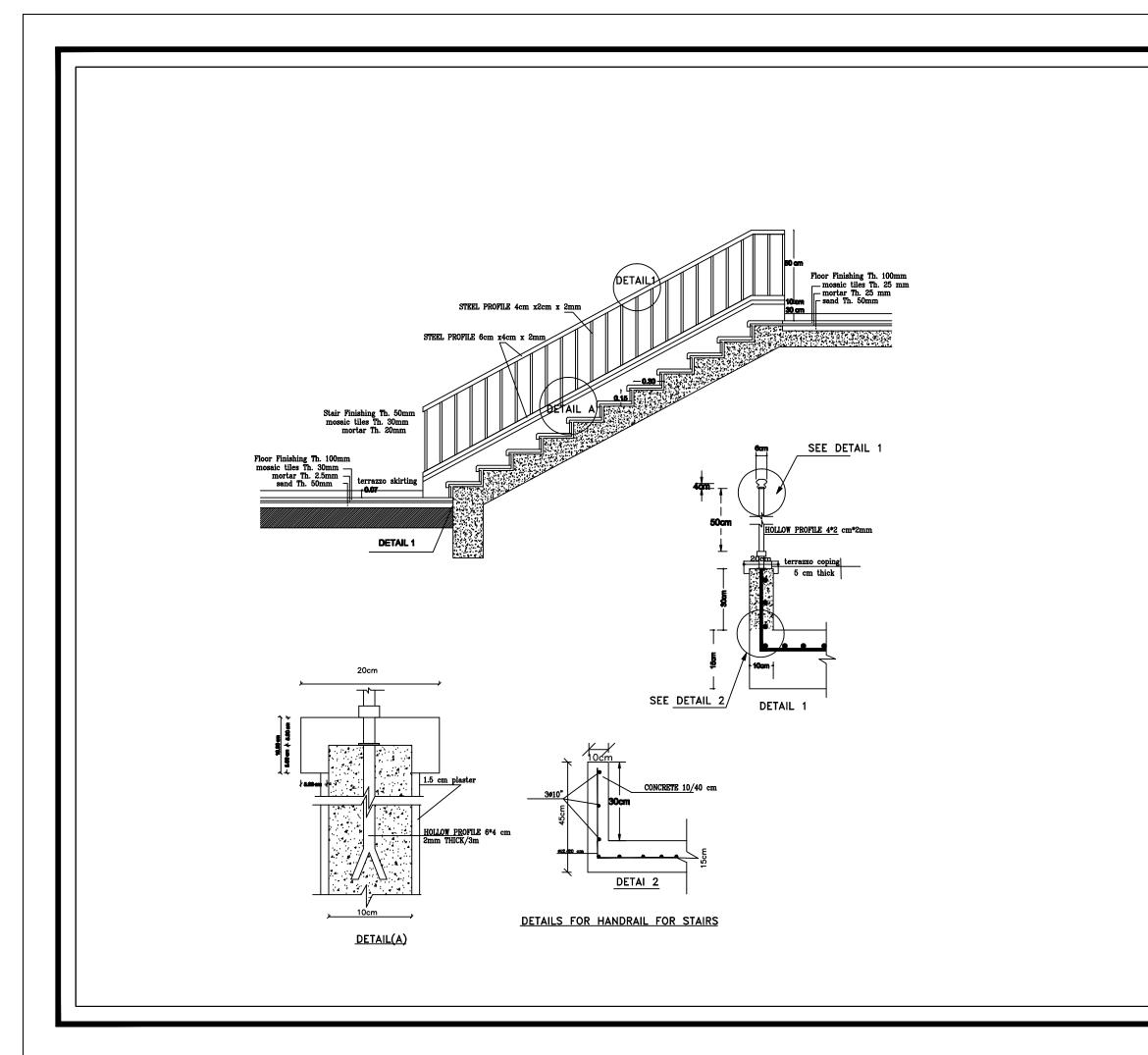
LINTELS DETAILS.

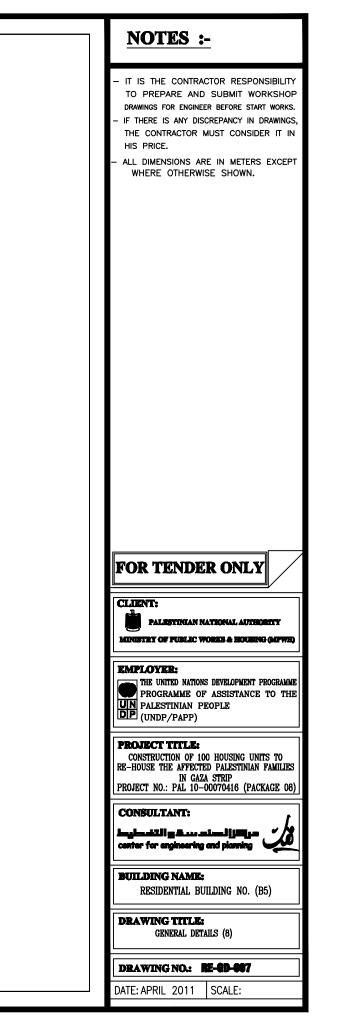
| SCHEDULE OF LINTELS REINFORCEMENT | | | | | | | | |
|-----------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|--------|-----------|
| LINTEL WIDTH =b | b=10cm. | | b=15cm. | | b=20cm./30cm. | | DEPTH= | |
| CLEAR SPAN | TOP REINF. | BOTTOM REINF. | TOP REINF. | BOTTOM REINF. | TOP REINF. | BOTTOM REINF. | d | STIRRUPS |
| < 200 | 1T12 | 1⊤14 | 2T12 | 2T12 | 2T12 | 2T14 | 20 | 1ø8@200mm |
| 200-300 | 1T12 | 1⊤14 | 2T12 | 2T14 | 2T12 | 2T16 | 25 | 1ø8@200mm |
| 301-400 | 1T12 | 1T16 | 2T12 | 2T14 | 2T12 | 2T16 | 30 | 1ø8@200mm |
| 401-500 | 1T12 | 1T16 | 2T14 | 2T16 | 2T14 | 2T20 | 35 | 1ø8@200mm |
| 501-600 | 1T14 | 1T20 | 2T14 | 2T16 | 2T14 | 2T20 | 40 | 1ø8@200mm |
| 601-700 | 1T14 | 1T20 | 2T14 | 2T20 | 2T14 | 2T20 | 50 | 1ø8@200mm |
| 701-800 | 1T14 | 1T20 | 2T16 | 2T20 | 2T16 | 3T20 | 55 | 1ø8@200mm |



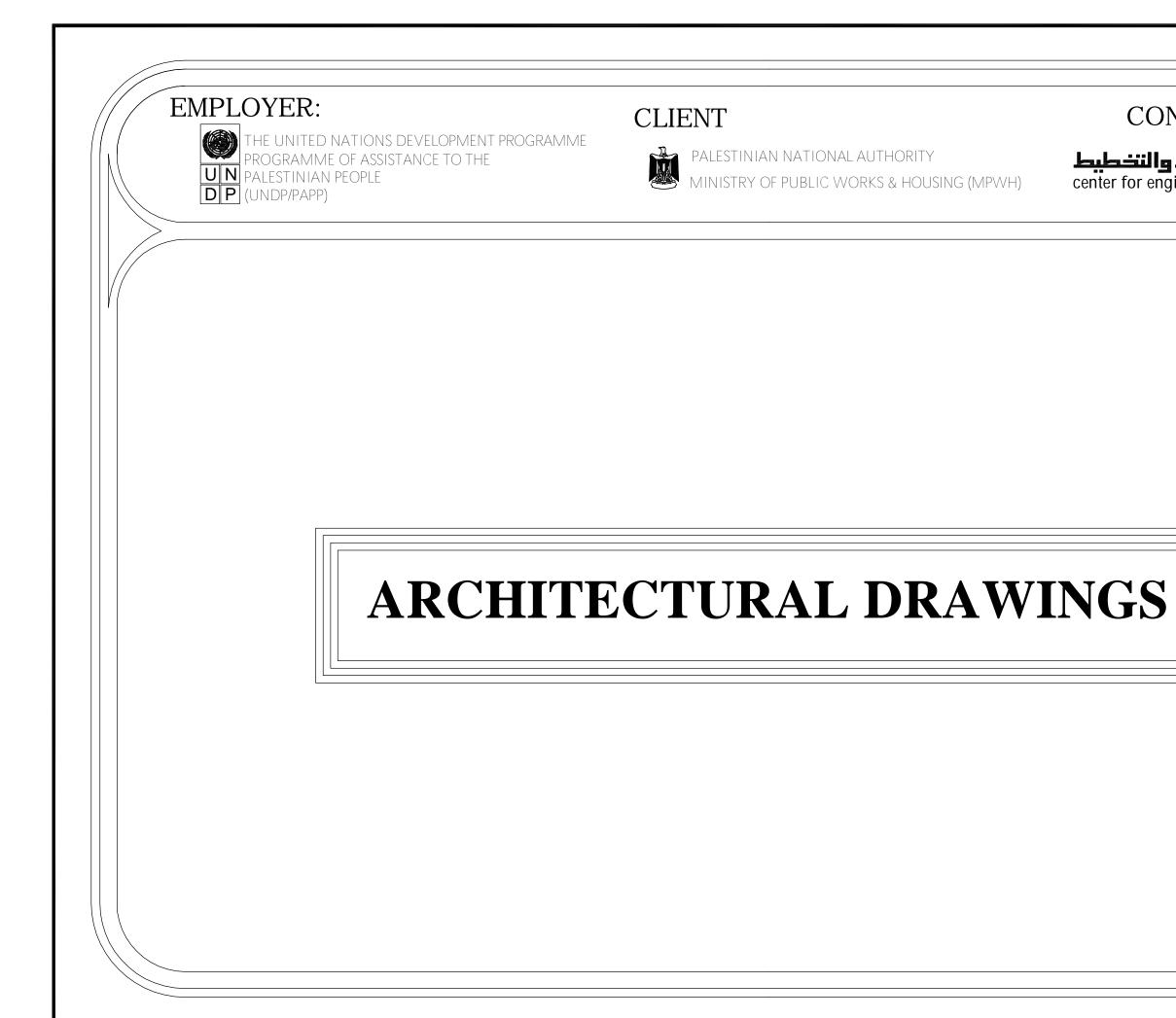














EMPLOYER:

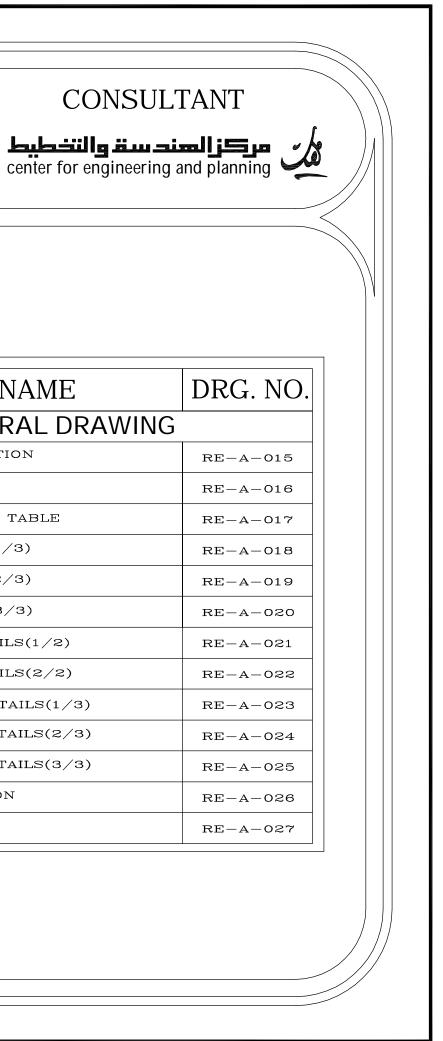


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE **DP** (UNDP/PAPP)

CLIENT

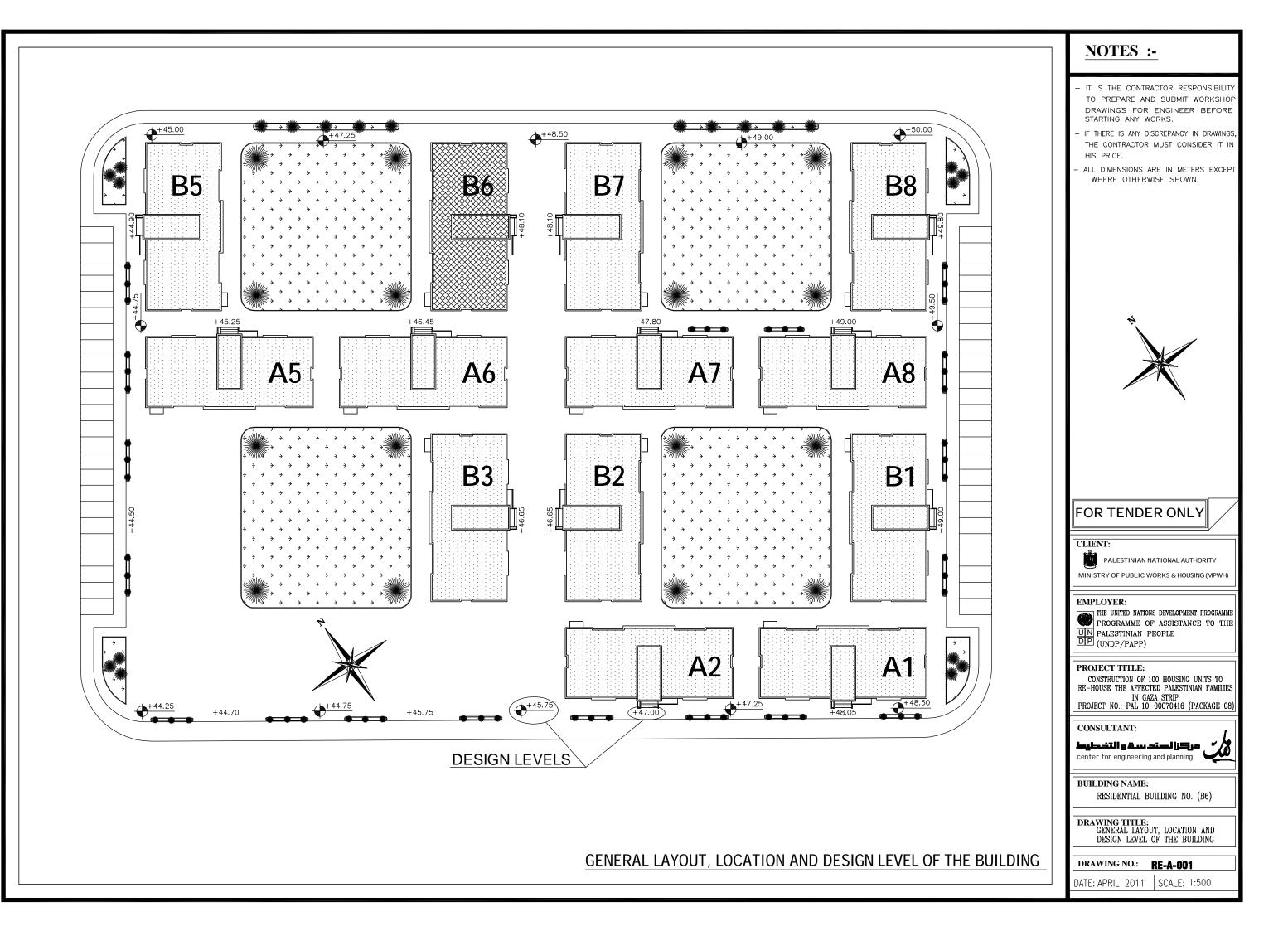


PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSI MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)



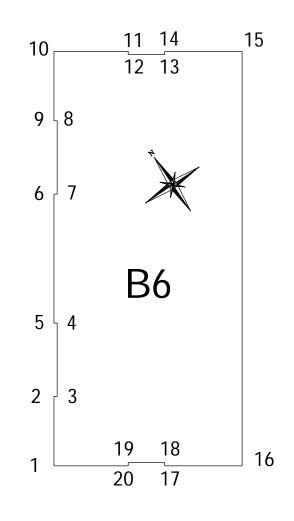
LIST OF DRAWINGS

| S/NO. | DRAWING NAME | DRG. NO. | | S/NO. | DRAWING NAME | |
|-----------------------|---|----------|--|------------------|--------------------------|--|
| ARCHITECTURAL DRAWING | | | | ARCHITECTURAL DR | | |
| 01/27 | GENERAL LAYOUT, LOCATION AND DESIGN LEVEL OF THE BUILDING | RE-A-001 | | 15/27 | LONGITUDINAL SECTION | |
| 02/27 | COORDINATES FOR THE BUILDING | RE-A-002 | | 16/27 | CROSS SECTIONS | |
| 03/27 | EXISTING LEVEL FOR THE BUILDING SITE | RE-A-003 | | 17/27 | WINDOWS & DOORS TABLE | |
| 04/27 | FURNITURE FOR UNDERGROUND FLOOR | RE-A-004 | | 18/27 | FINISHES TABLE (1/3) | |
| 05/27 | FURNITURE FOR GROUND FLOOR | RE-A-005 | | 19/27 | FINISHES TABLE (2/3) | |
| 06/27 | FURNITURE FOR TYPICAL FLOOR | RE-A-006 | | 20/27 | FINISHES TABLE (3/3) | |
| 07/27 | UNDERGROUND FLOOR PLAN | RE-A-007 | | 21/27 | METAL DOOR DETAILS(1/2) | |
| 08/27 | GROUND FLOOR PLAN | RE-A-008 | | 22/27 | METAL DOOR DETAILS(2/2) | |
| 09/27 | TYPICAL FLOOR PLAN | RE-A-009 | | 23/27 | WOODEN DOOR DETAILS(1/3) | |
| 10/27 | ROOF PLAN | RE-A-010 | | 24/27 | WOODEN DOOR DETAILS(2/3) | |
| 11/27 | FINAL ROOF PLAN | RE-A-011 | | 25/27 | WOODEN DOOR DETAILS(3/3) | |
| 12/27 | FRONT ELEVATION | RE-A-012 | | 26/27 | WINDOWS ELEVATION | |
| 13/27 | BACK ELEVATION | RE-A-013 | | 27/27 | KITCHEN DETAILS | |
| 14/27 | SIDE ELEVATIONS | RE-A-014 | | | | |

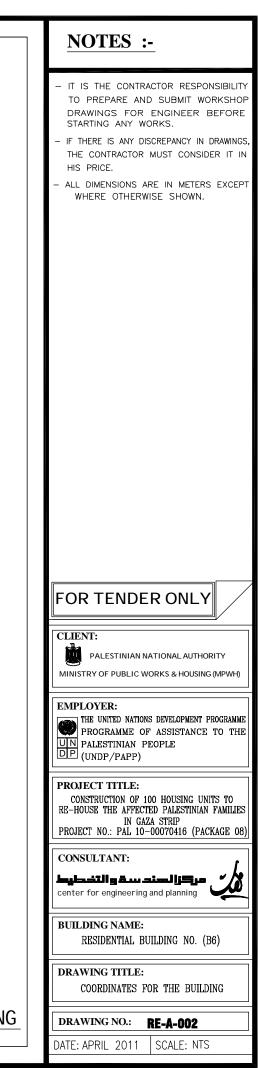


BUILDING NO. B6

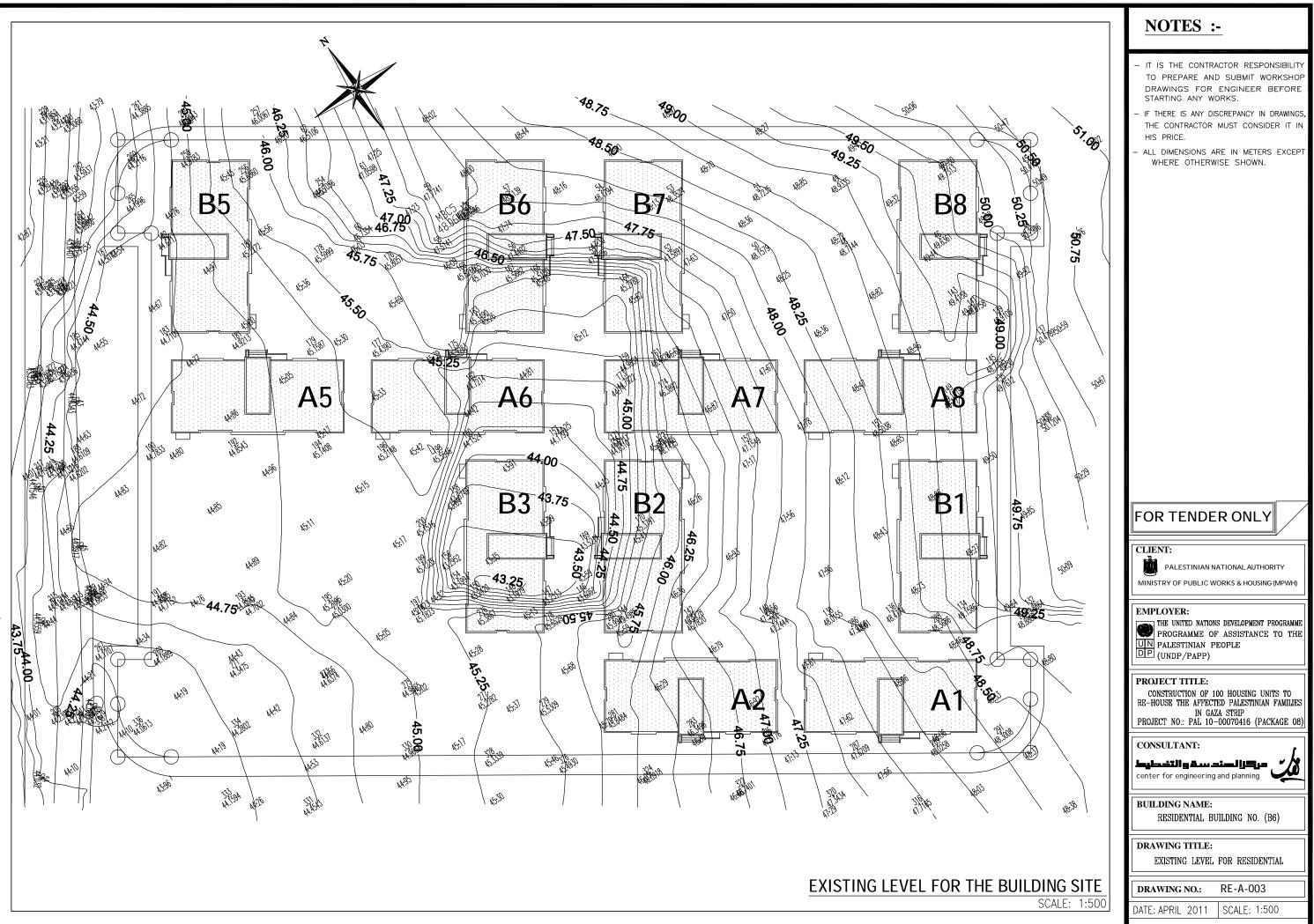
| Piont | Х | Y |
|-------|-------------|-------------|
| 1 | 100596.0382 | 107350.1723 |
| 2 | 100598.5148 | 107353.7484 |
| 3 | 100598.6792 | 107353.6345 |
| 4 | 100601.2982 | 107357.4162 |
| 5 | 100601.1337 | 107357.5301 |
| 6 | 100605.7454 | 107364.1891 |
| 7 | 100605.9098 | 107364.0753 |
| 8 | 100608.5288 | 107367.8569 |
| 9 | 100608.3643 | 107367.9708 |
| 10 | 100610.8410 | 107371.5470 |
| 11 | 100614.6637 | 107368.8995 |
| 12 | 100614.5499 | 107368.7351 |
| 13 | 100616.4407 | 107367.4256 |
| 14 | 100616.5546 | 107367.5901 |
| 15 | 100620.5418 | 107364.8288 |
| 16 | 100605.7390 | 107343.4541 |
| 17 | 100601.7518 | 107346.2514 |
| 18 | 100601.8657 | 107346.3798 |
| 19 | 100599.9748 | 107347.6893 |
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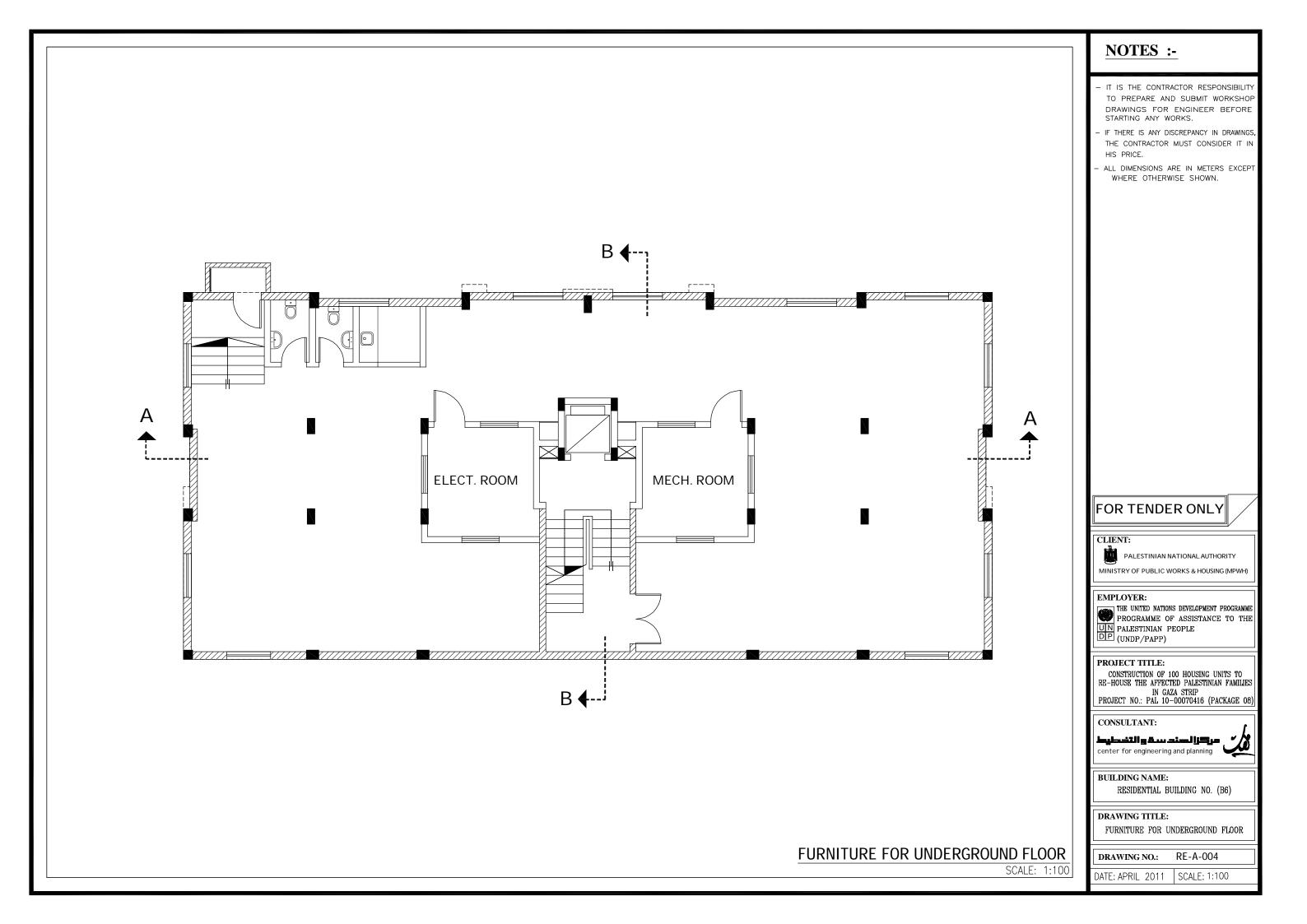


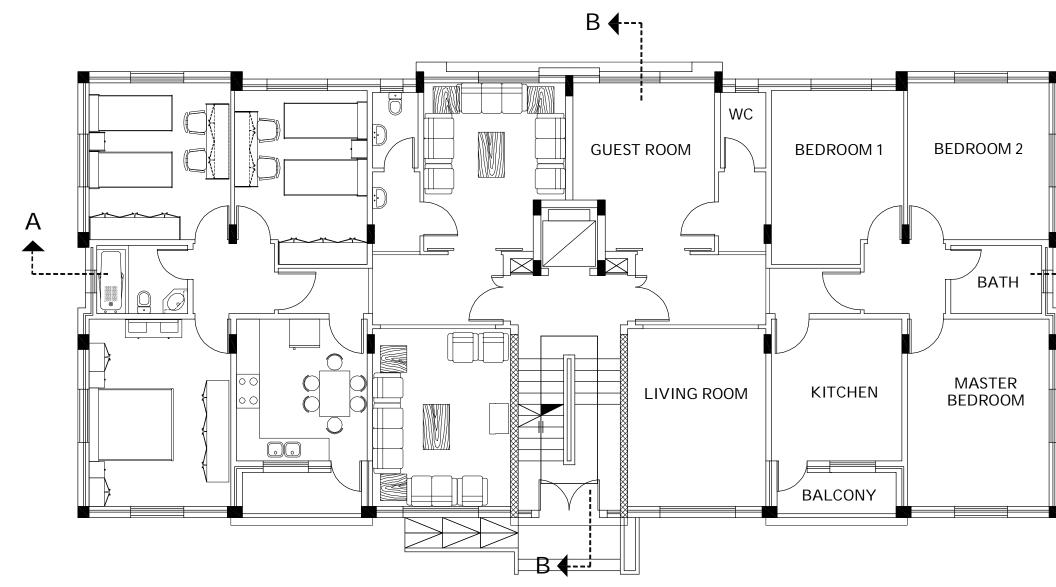
COORDINATES FOR THE BUILDING



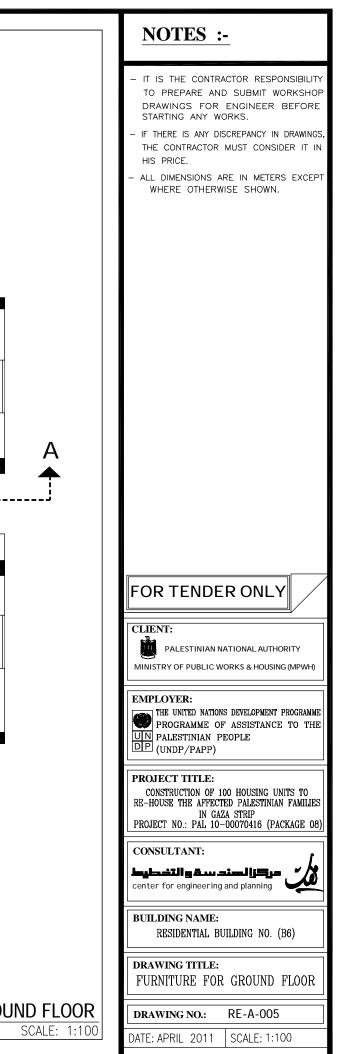


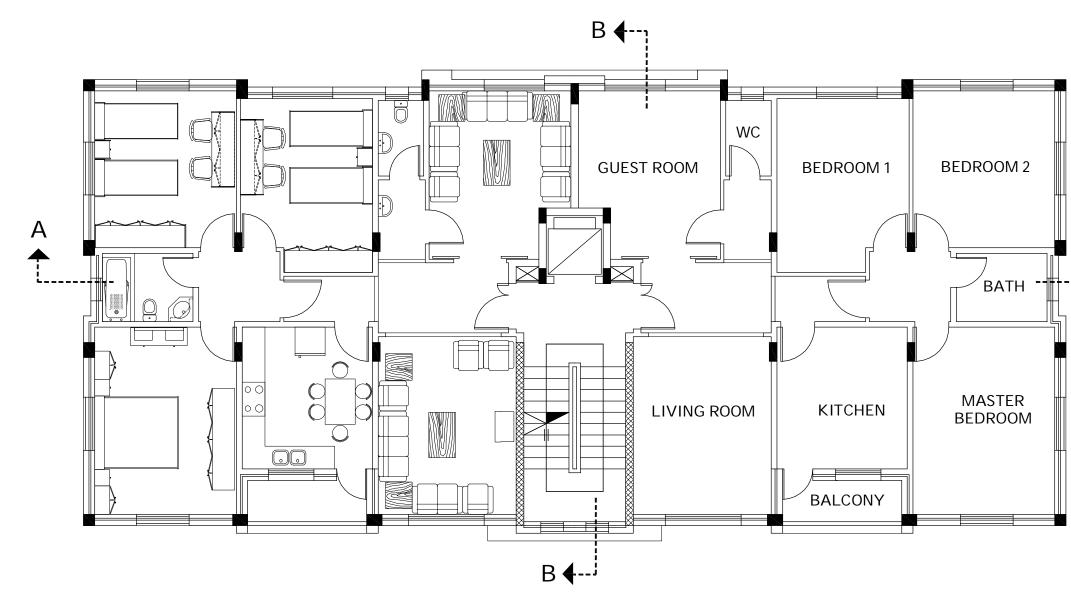




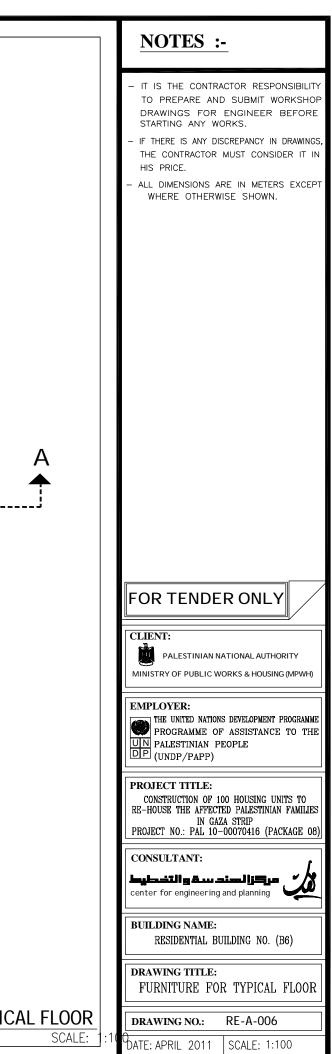


FURNITURE FOR GROUND FLOOR

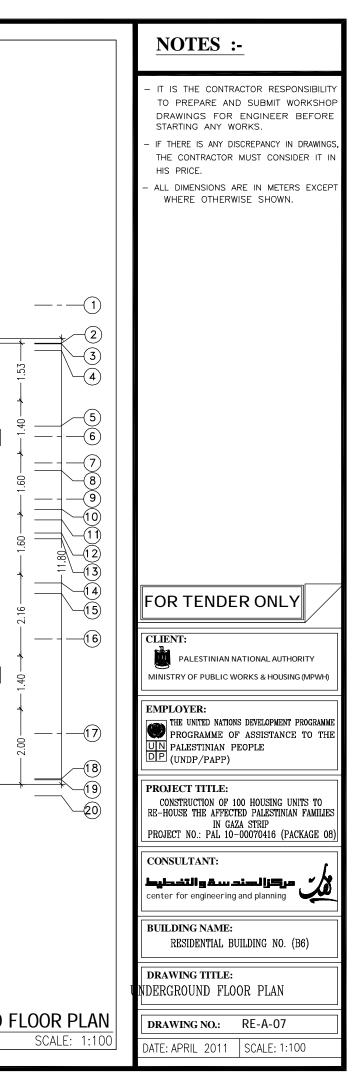


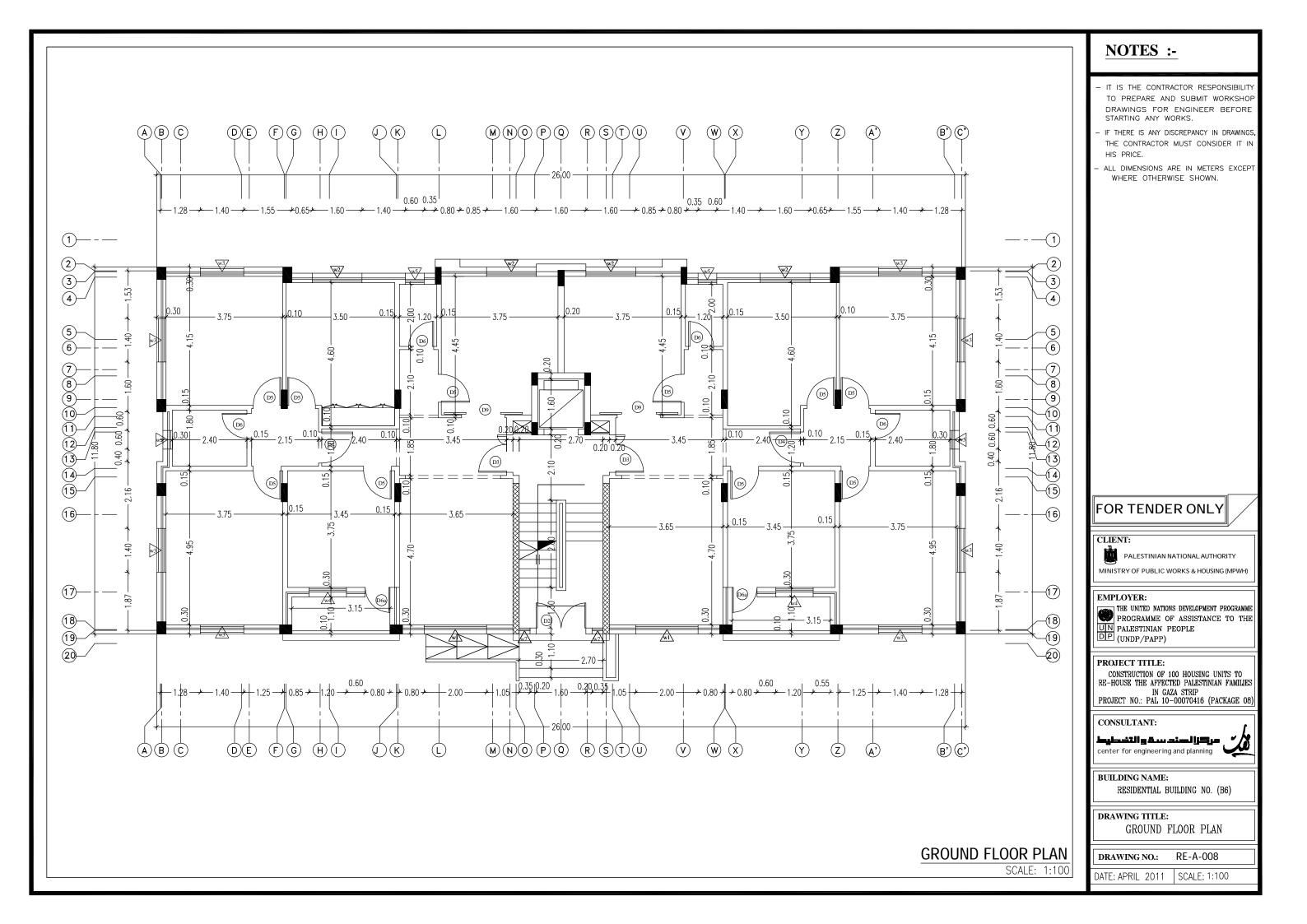


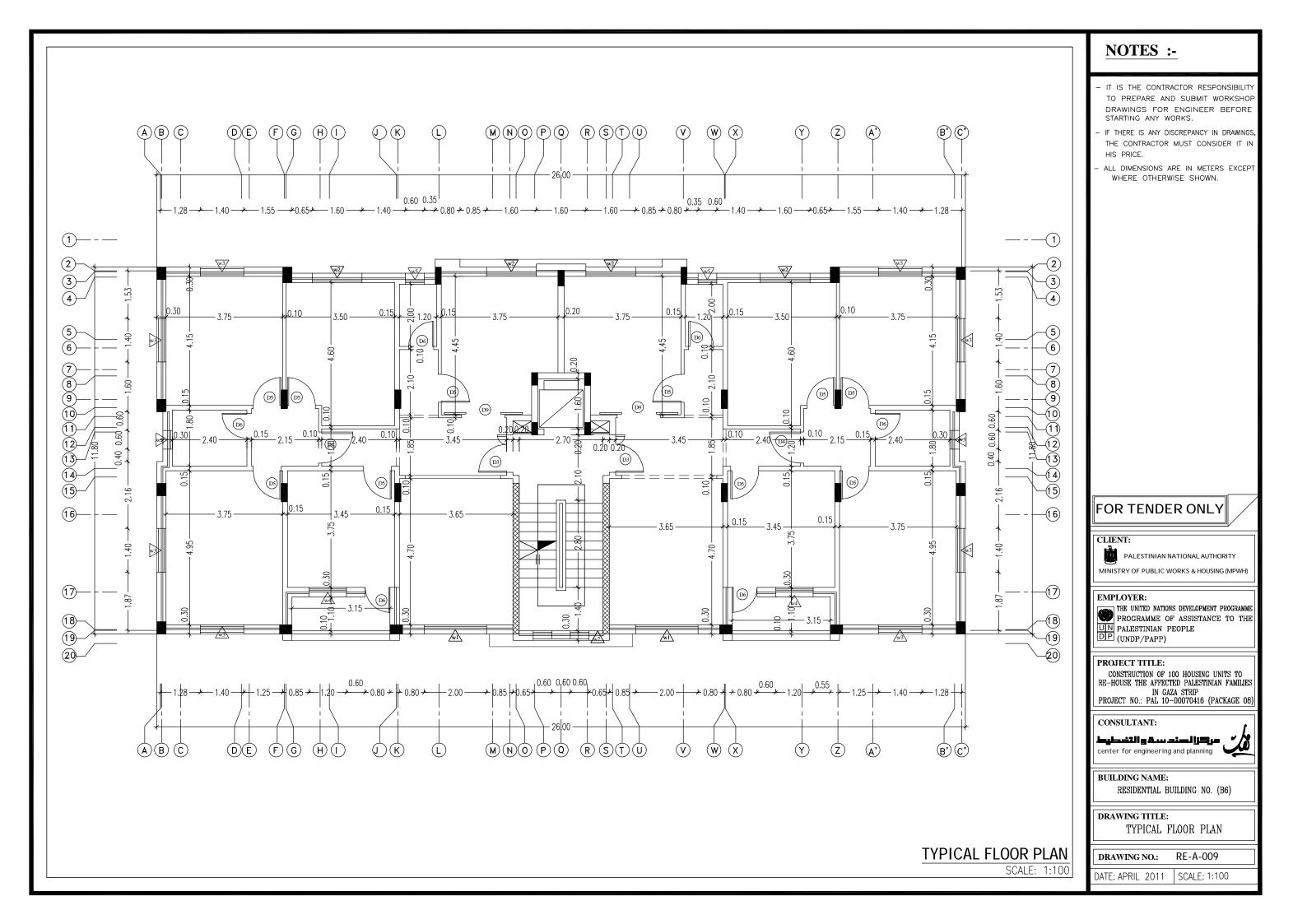
FURNITURE FOR TYPICAL FLOOR

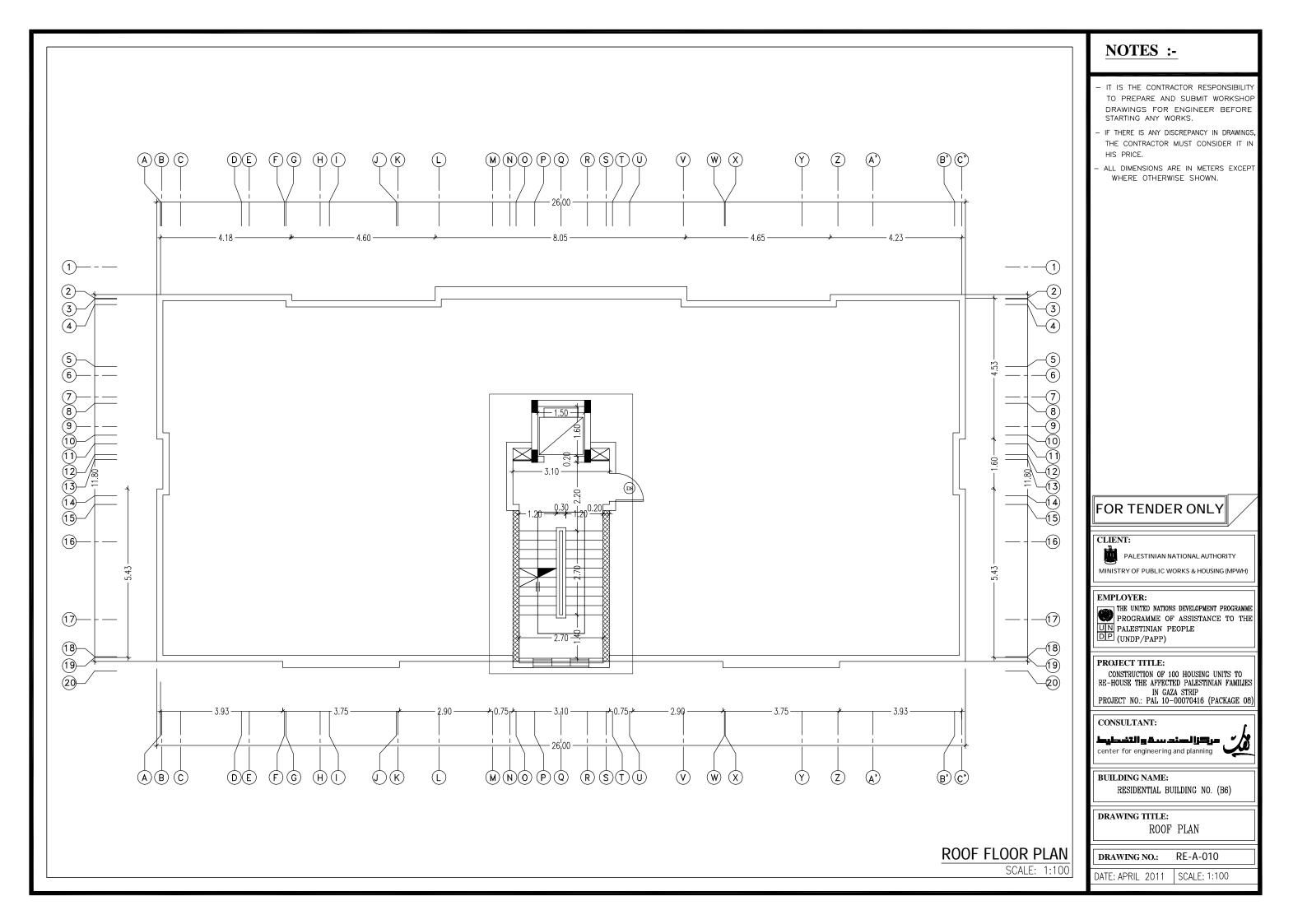


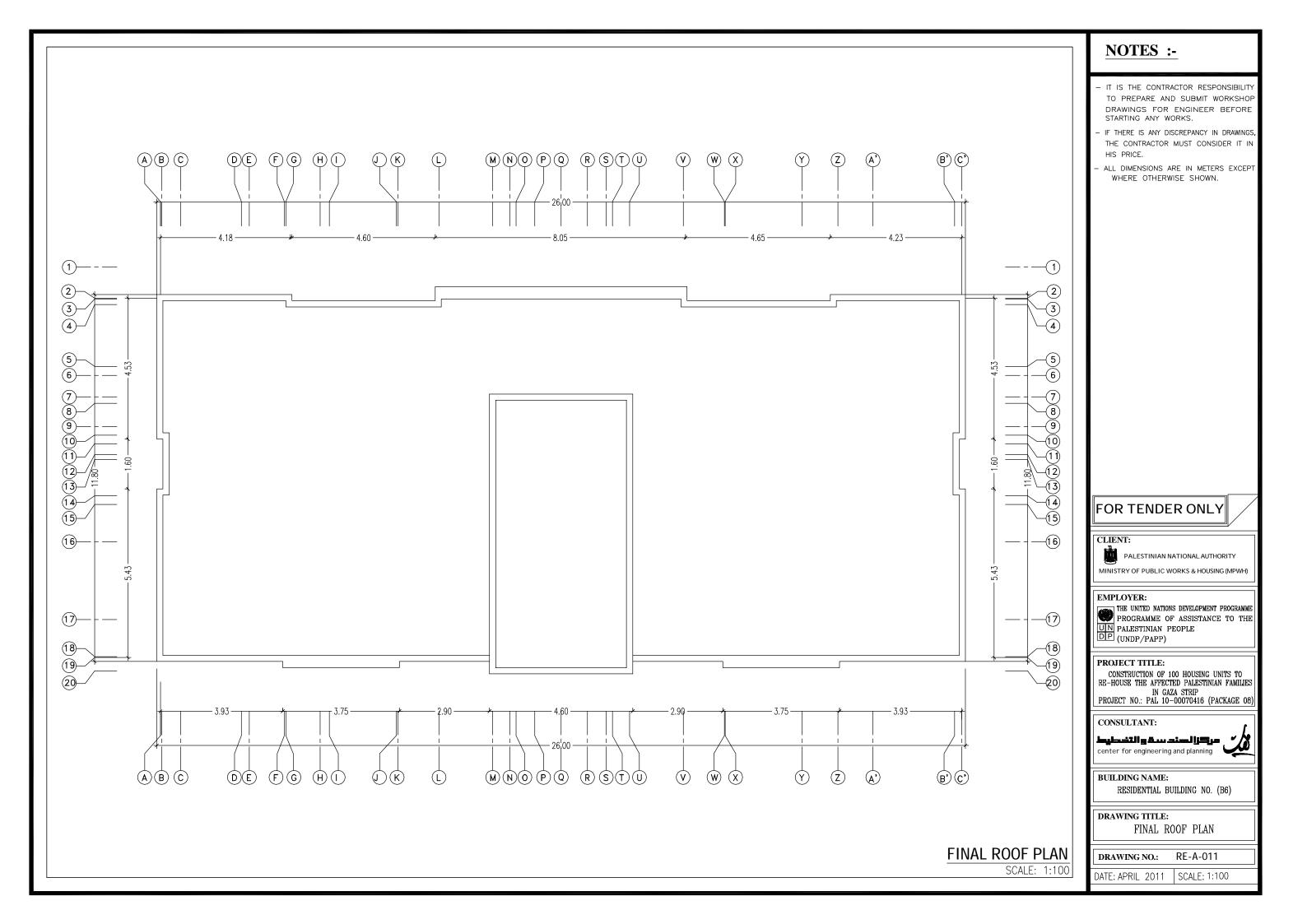
(M) (O) (P) (R) (S) (U)(A) (B) (C)(W) (X)(D)(E)(F)(G)(H)(I) $(\mathbf{J})(\mathbf{K})$ (\mathbf{V}) (\mathbf{Y}) (Z)(A')(B')(C')26,00 + 0.80 + 0.85 + 1.60 + 1.60 + 1.60 + 0.85 + 0.80 + +0.58+ ≁ 1.55 ≁0.65⊁ 1.60 ≁ - 2.35 ----- 2.35 --+ 1.60 + 0.65 + 1.55 + 1.40 + 1.28 -- 2.10 -(1)7//////// (2)(3) D8) 53. (4)-8 80 0.20 0.20 -1.25 + 1.98 17.93 (5) 60 OF (6)w9 w9 8 0.25 2.35 -1.90 $\overline{(7)}$ 0.25 - 11.80 (8) 0.20 G D7) (D7) (9) (10)- \triangleright (11)<(12)-(13)-0<u>5</u>° 0.20 3.50 8 0.20 Ш0.20 1110 20 (14)-N. 3.40 - 3.10 -7.20 3.40 7.20 ഹ 9.15 (15)-0.20 80 (16)- \mathbb{A} w9 w9 6 50 3.50 2.65 DI (17)--1.20 ----1.50 E 0.25 0.25 (18) (19)w9 _w9 (20)-— 1.40 — 🗕 – 1.28 – 20.40 26100 (M) (N) (P) (Q)(Y)(Z)(A) (B) (C)(F)(G)RSTU (\mathbf{v}) (A)(B, C, (D)(E) $(\mathbf{H})(\mathbf{I})$ (w) (J) (K)(L) (\mathbf{X}) UNDERGROUND FLOOR PLAN

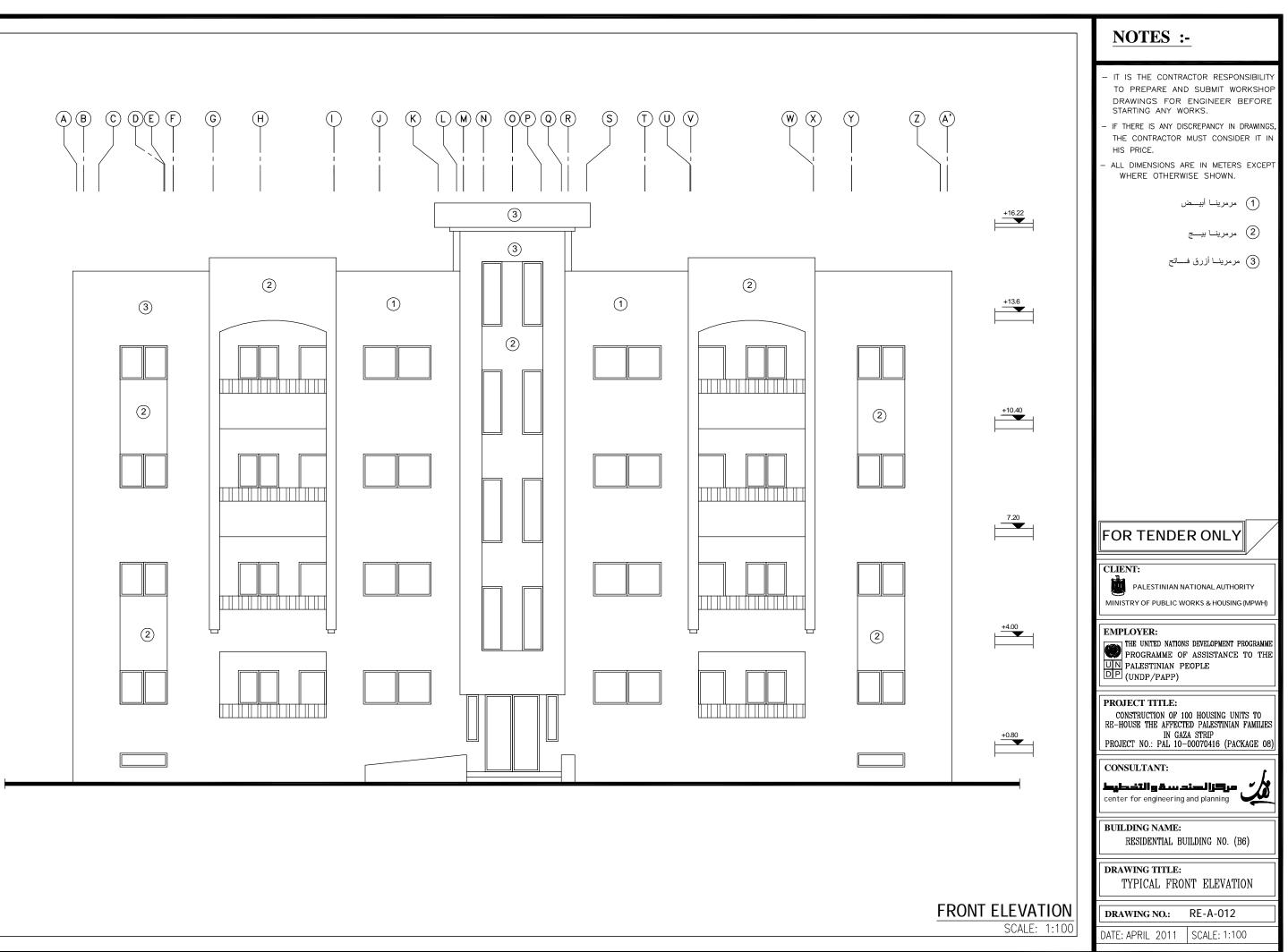


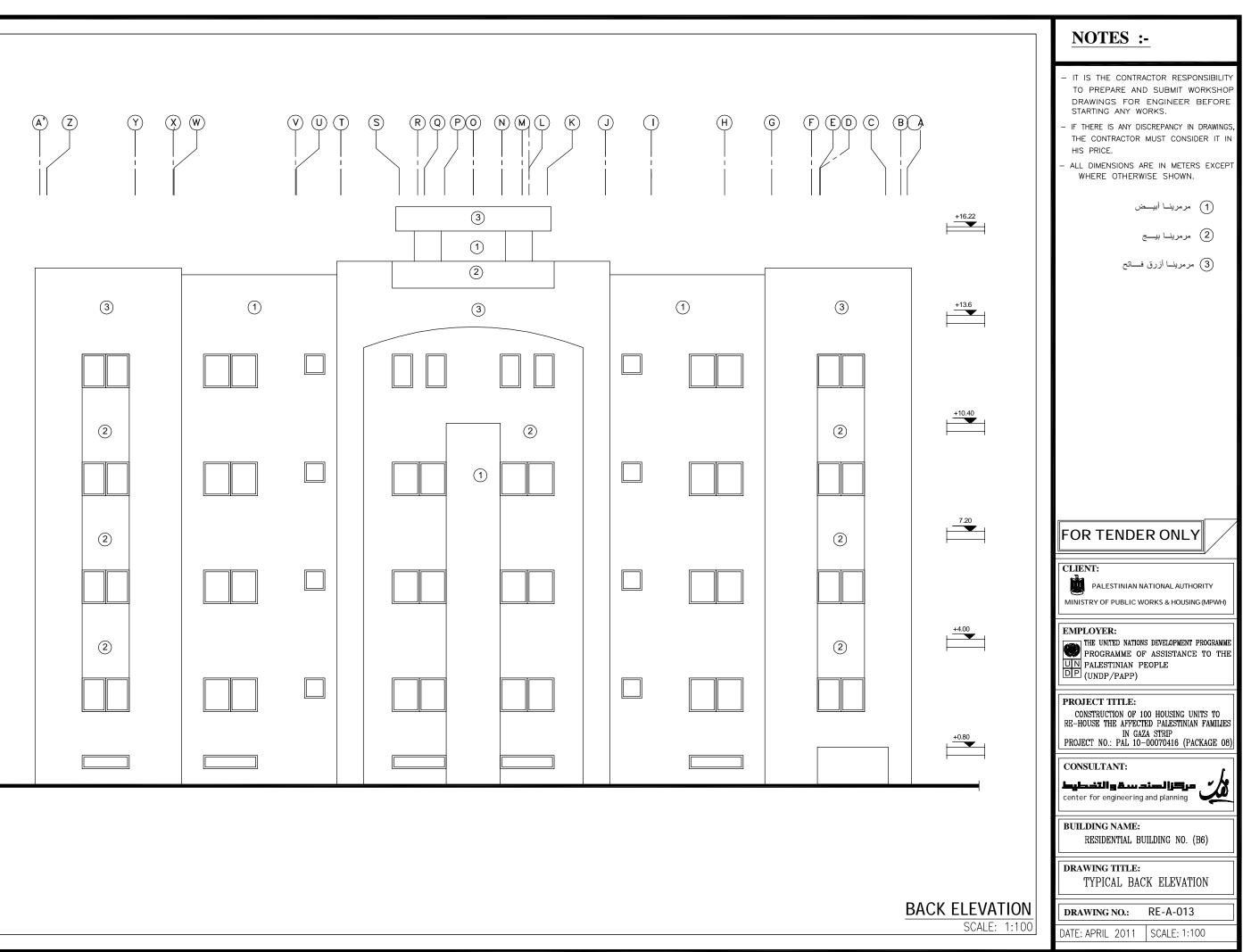


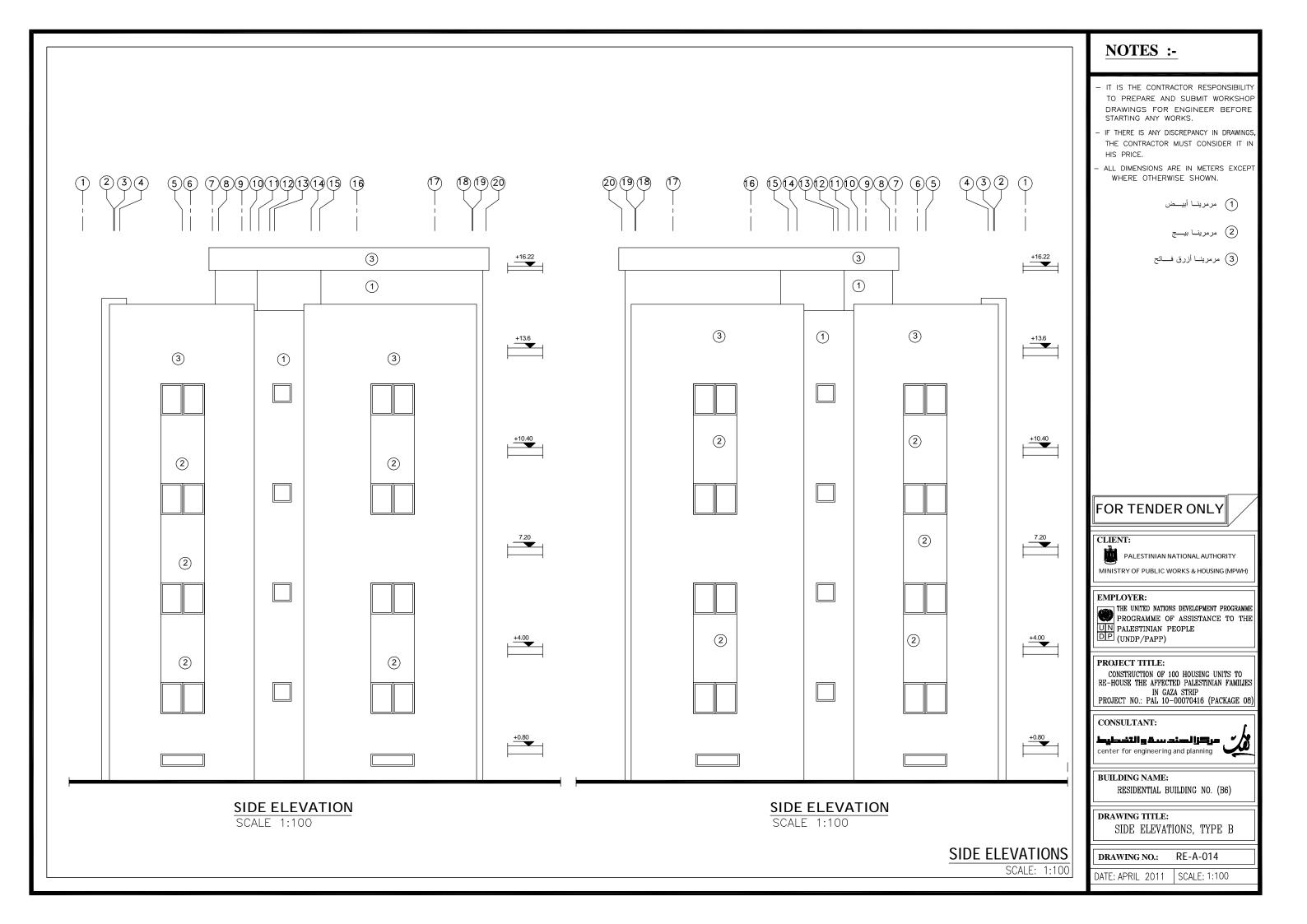






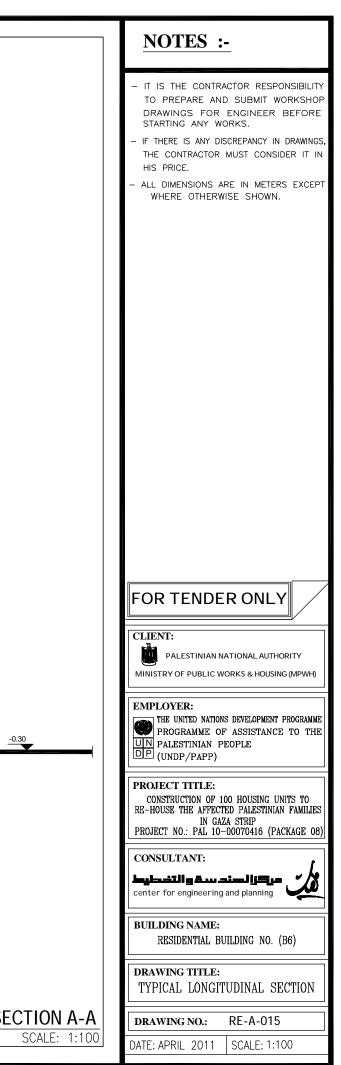


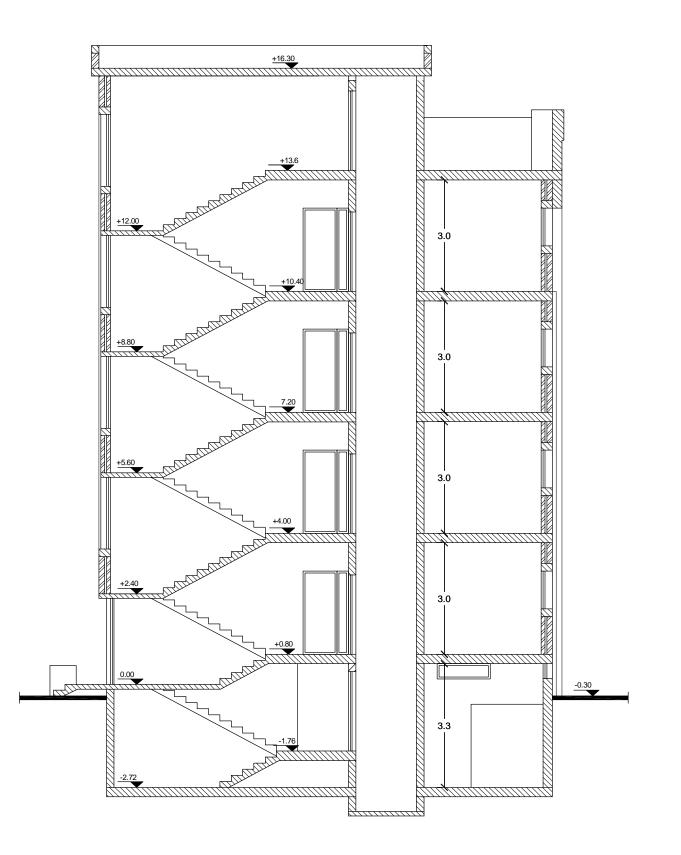


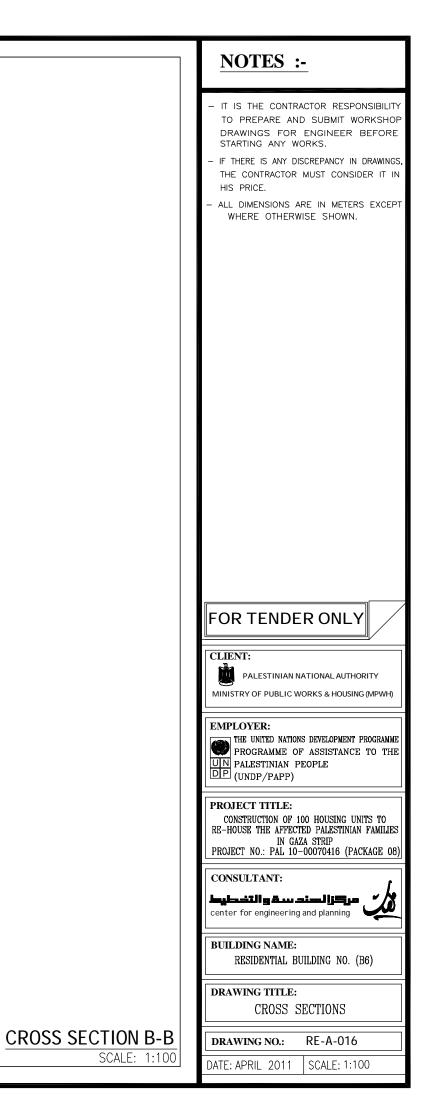




LONGITUDINAL SECTION A-A







جدول الشبابيك الفتحة الانشاكية نظام الفتح رقم الشباك نظام الفتح المادة الفتحة الانشائية المادة رقم الشباك \$ \$ W1 المئيرم سحاب W9 المنيوم سحا ب هباڪ اليدررم ≁_____2.00-¢ ¢ − W10 المنيوم سحا ب W2 سحاب المنيرم **∤**___1.60___**∤** ¢ ¢ W11 لوفر حديد W3 سحا ب المنيرم +1.20--1.40---W4 المنيوم سحا ب € 0.60+ W5 قلاب المنيوم -1.90 W6 المنيرم قلاب شياڪ الدرجہ +0.60+ -1.42 W7 المنيرم قلاب شياڪ يجوار مدخل العمارة -10.40+ -0.40 المنيوم سدا ب W8 —1.60· شياك اليدروم

جدول الابواب

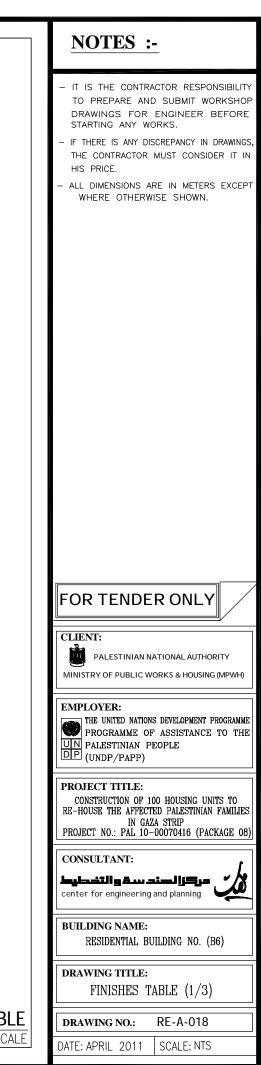
| نظام الفتح وعده الغبلف | المادة | الانشافية | الفتحة |
|------------------------|----------|-----------|--------|
| | 93 (4) (| الارتفاع | العرض |
| مفعلي ضلفتين | مديد | 230 | 160 |
| مفصلي ضلفتين | حديد | 230 | 160 |
| مفصلي ضلفتين | خشب | 230 | 120 |
| مفعبلي ضلفة واحدة | خشب | 230 | 100 |
| مفصلي ضلفة واحدة | خشب | 230 | 90 |
| مفصلي ضلفة واحدة | خشب | 230 | 80 |
| مفعبلي ضلفة واحدة | ھەيھ | 230 | 80 |
| مفصلي ضلفة واحدة | حديد | 230 | 100 |
| مفعبلي ضلفة واحدة | حديد | 230 | 90 |
| سحاب ضلفتين | خشب | 230 | 140 |

WINDOWS & DOO

| | | NOTES :- |
|---|-------------|---|
| | | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE STARTING ANY WORKS. IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. ALL DIMENSIONS ARE IN METERS EXCEPT WHERE OTHERWISE SHOWN. |
| | رقم الباب | |
| | D1 | |
| | D2 | |
| | D3 | |
| | D4 | |
| | D5 | |
| | D6 | |
| | D6a | |
| | D7 | FOR TENDER ONLY |
| | D8 | CLIENT: PALESTINIAN NATEONAL AUTHORITY LUMINING OF MUSI IN MINING A MATERIAL AUTHORITY |
| | D9 | EMPLOYER: |
| | | THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE (UNDP/PAPP) |
| | | PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | | CONSULTANT: |
| | | BUILDING NAME: RESIDENTIAL BUILDING NO. (B6) |
| | | DRAWING TITLE: WINDOWS & DOORS TABLE |
|) | RS TABL | |
| | SCALE: 1:10 | DATE: APRIL 2011 SCALE: 1:100 |

جدول التشطيبات الطبق التحت أرضي

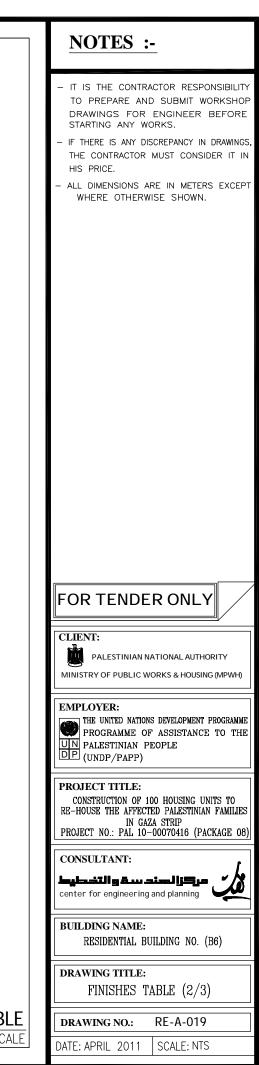
| الادراج | دورات الصياه | الغرف الميكانيكية | المطبخ | المورعات | العيالة | ا لرقم | نوع التشطيب | البند |
|---------|--------------|-------------------|--------|----------|---------|--------|------------------------|----------|
| | | | | | • | 1 | بلاط کسر رخام | |
| | ۲ | | | | | 2 | بلاط کرا میکا | €) " |
| | | | | | | 3 | رځام أو جرانيت | |
| ۲ | | ۲ | | • | ٥ | 1 | قصارة ودهان سوبركريل | Hangel I |
| | • | | 0 | | | 2 | بلاط کرامیکا حتی السقف | |
| | ٩ | | | | ٩ | 1 | قصارة ودهان بوليسيد | i dawa |
| | | | | | 0 | 1 | ڪسر رځام | |
| • | | | | | | 2 | رخام أو جرانيت | J: Jul |



FINISHES TABLE SCALE: NOT TO SCALE

جدول التشطيبات الطابق الارضي

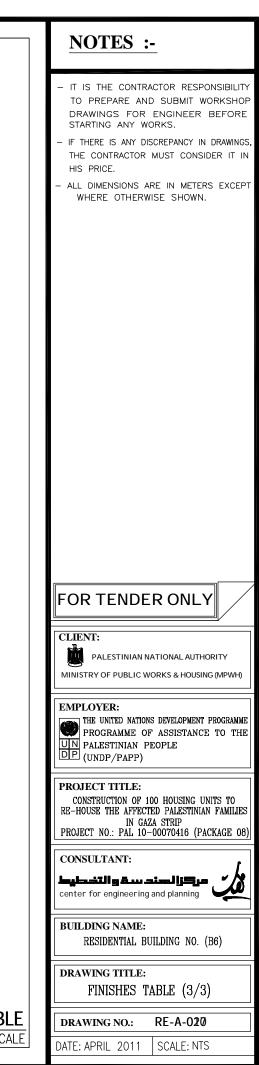
| البلاكين | الافراج ت | دورات العياه | الحما ما ت | غرف النوم | الموزعات | المطابغ | صالات المدخل | غرف الصعيشة | غرف الفيوف | الرقم | نوع التشطيب | البنه |
|----------|--------------|--------------|------------|-----------|----------|---------|--------------|-------------|------------|-------|------------------------|--|
| ۲ | | | | ٢ | ٢ | | ٢ | ٥ | ٢ | | بلاط ڪسر رخام | Strand Contraction |
| | | ۲ | ۲ | | | ٩ | | | | 2 | بلاط کرا میکا | £) °* |
| | • | | | | | | | | | 3 | رخام أو جرانيت | |
| • | • | | | 0 | | | • | 0 | ٩ | 1 | قصارة ودهان سوبرڪريل | 1213-1 |
| | | ۲ | ۲ | | | ٩ | | | | 2 | بلاط کرامیکا حتی السقف | |
| ۲ | ۲ | 0 | ۲ | ٩ | | ٩ | ۲ | ٩ | ٩ | 1 | قصارة ودهان بوليسيد | jan and a start and a start a st |
| • | 0 | | | • | • | | 0 | • | ٢ | 1 | ڪسر رخام | |
| | ٥ | | | | | | | | | 2 | رخام أو جرانيت | Je la |
| | | | | | | | | | | | قصارة + رشقة شبرير | الحوائط الخارجية |



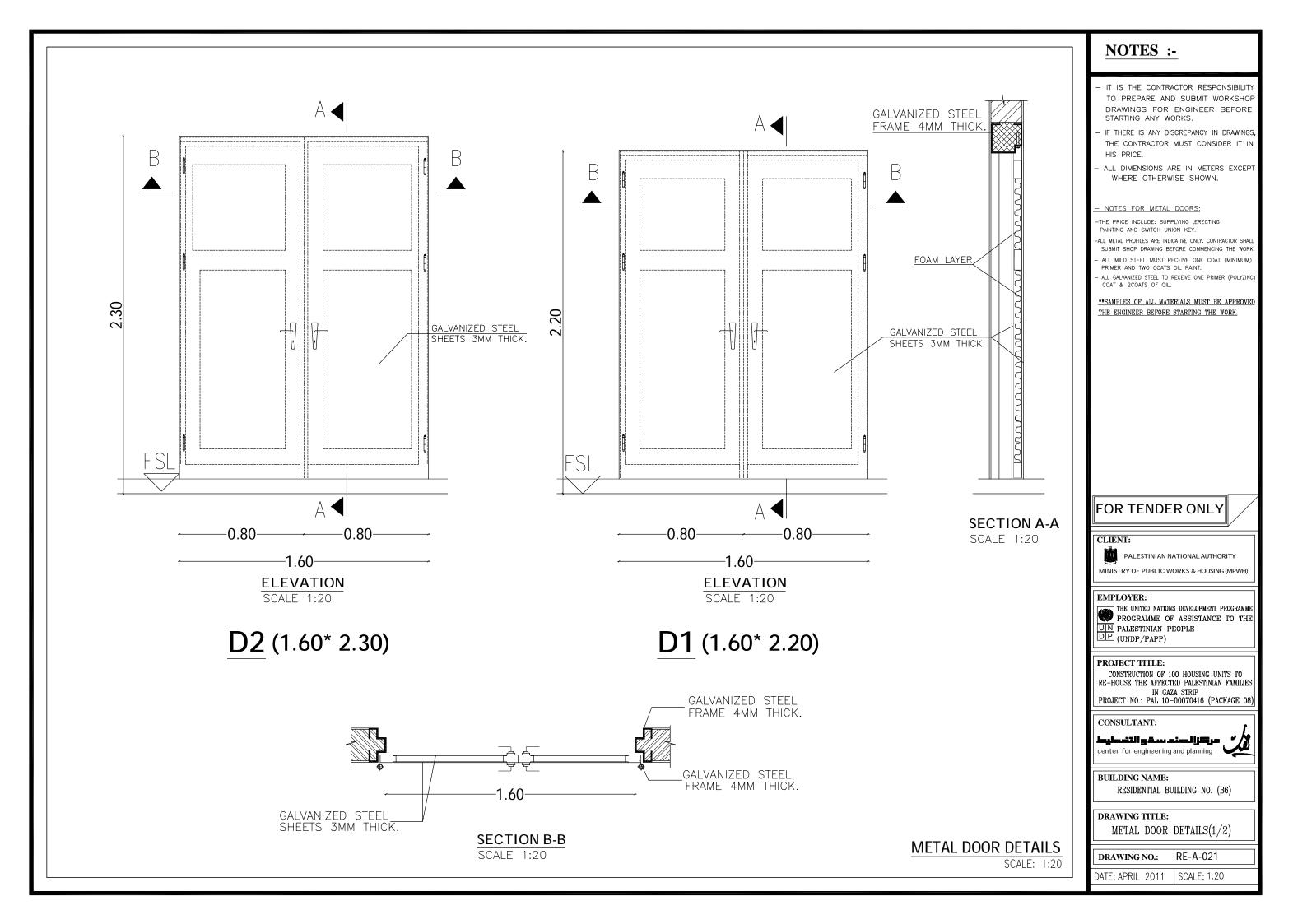
FINISHES TABLE SCALE: NOT TO SCALE

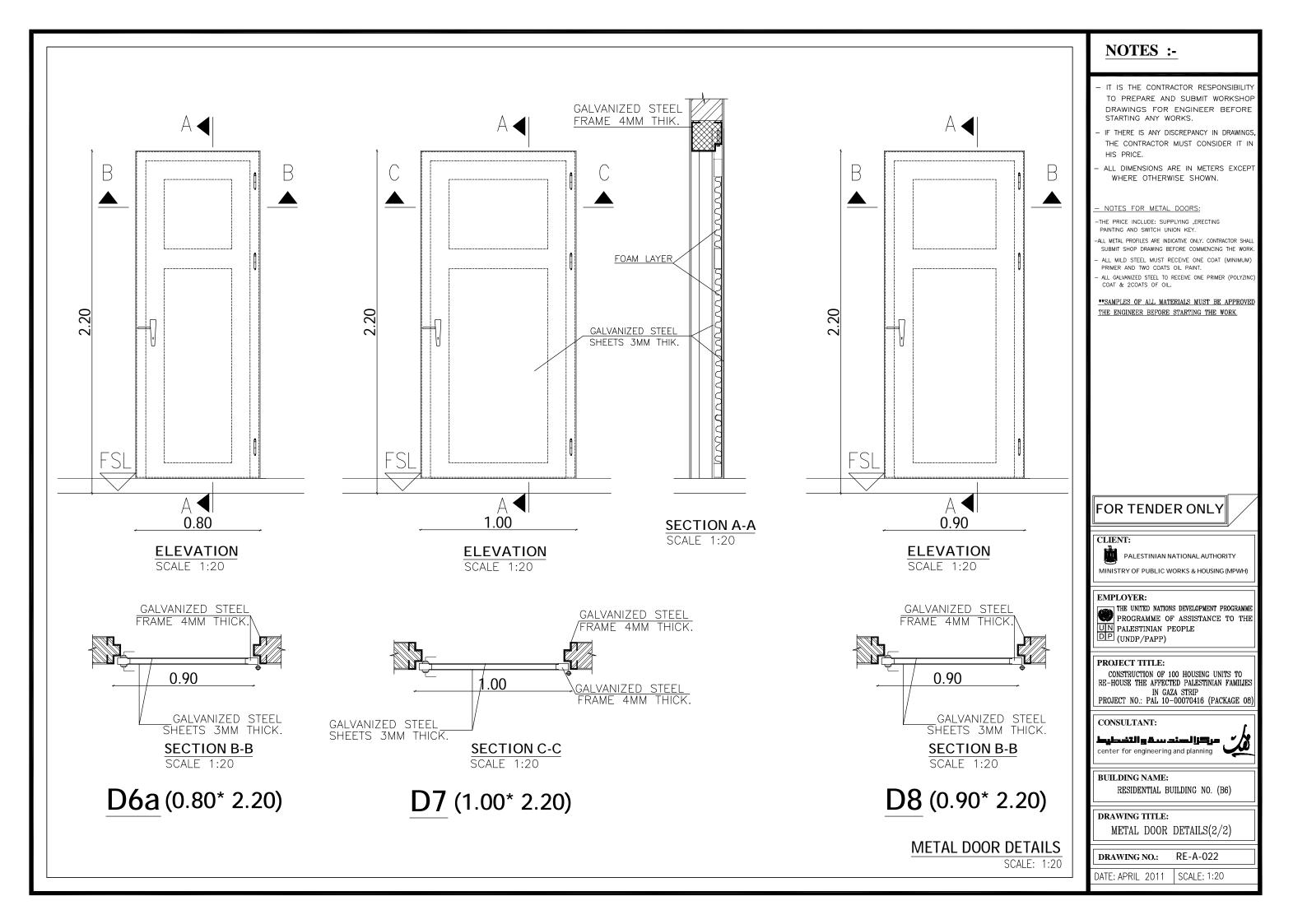
| التشطيبا ت | چدول |
|------------|---------|
| ق المتكرر | į (b) (|

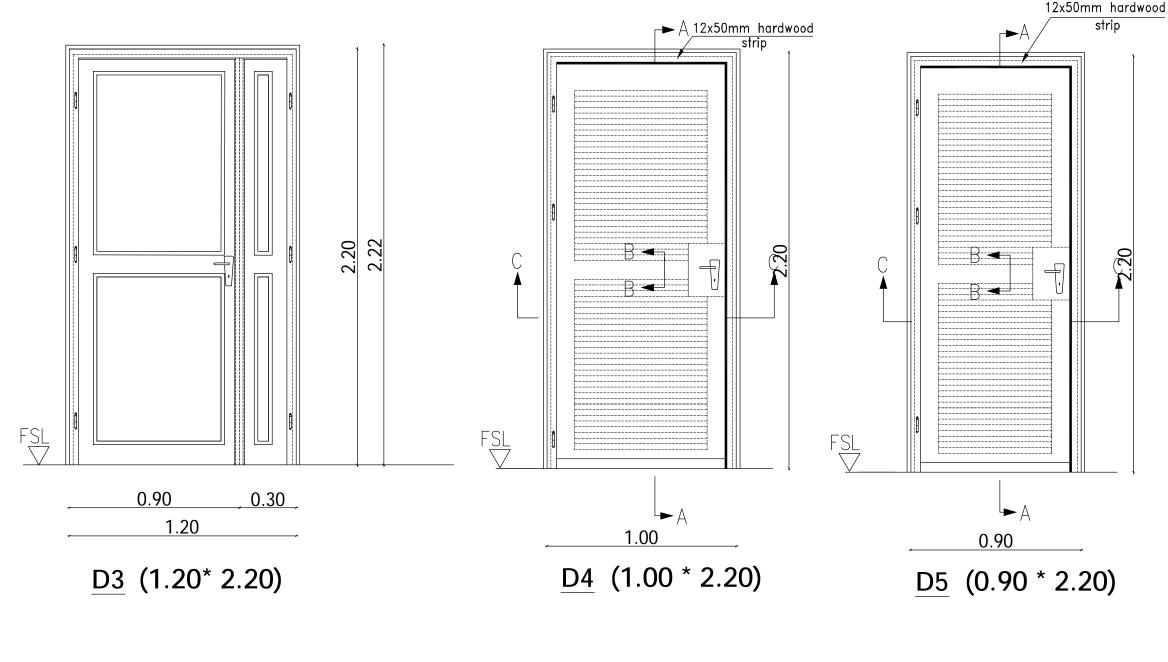
| البلاكين | الادراج | دورات الصياه | الدمامات | غرف النوم | ا لمورْعا ت | المطابخ | مالات المدخل | غرف الصعيشة | غرف الفيوف | الرقح | نوع التشطيب | البند |
|----------|---------|--------------|----------|-----------|-------------|---------|--------------|-------------|------------|-------|------------------------|---|
| ۲ | | | | ٩ | • | | ٠ | ۲ | ٩ | 1 | بلاط کسر رخام | |
| | | ۲ | ۲ | | | ۲ | | | | 2 | بلاط کرا میکا | € |
| | • | | | | | | | | | Ŋ | رځام أو جرانيت | |
| ۲ | ۲ | | | • | ٢ | | • | • | ۲ | 1 | قصارة ودهان سوبرڪريل | |
| | | ۲ | • | | | ٢ | | | | 2 | بلاط كراميكا حتى السقف | A Part |
| ٩ | ۲ | ۲ | 0 | ٠ | ٠ | ٠ | • | • | • | 1 | قصارة ودهان بوليسيد | in the second |
| ۲ | • | | | ٩ | ٩ | | ۲ | ۲ | ۲ | 1 | کسر رځام | |
| | ۲ | | | | | | | | | 2 | رځام أو جرانيت | y. |
| | | | | | | | | | | | مرمرينا | الحوائط الخارجية |



FINISHES TABLE SCALE: NOT TO SCALE

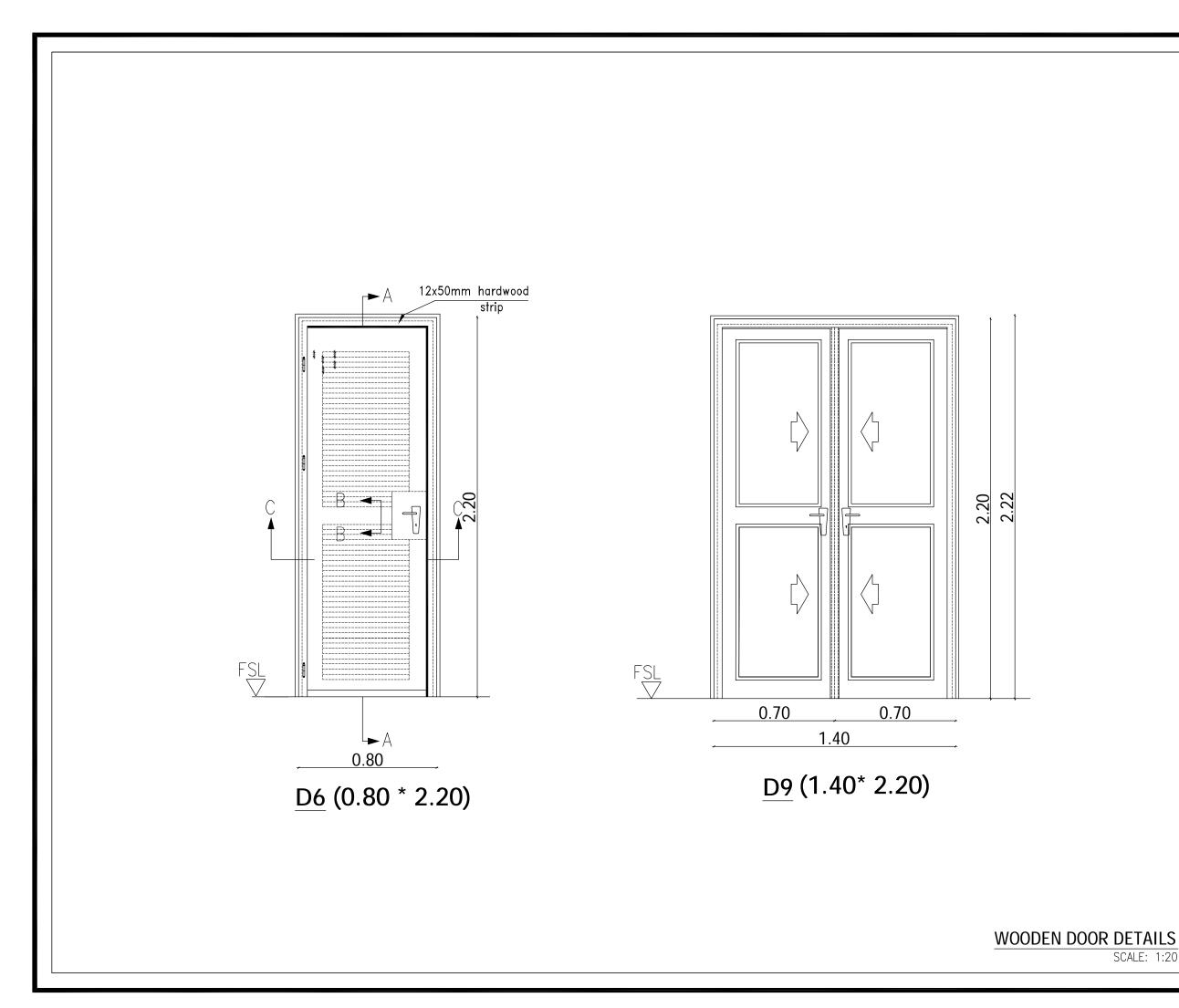


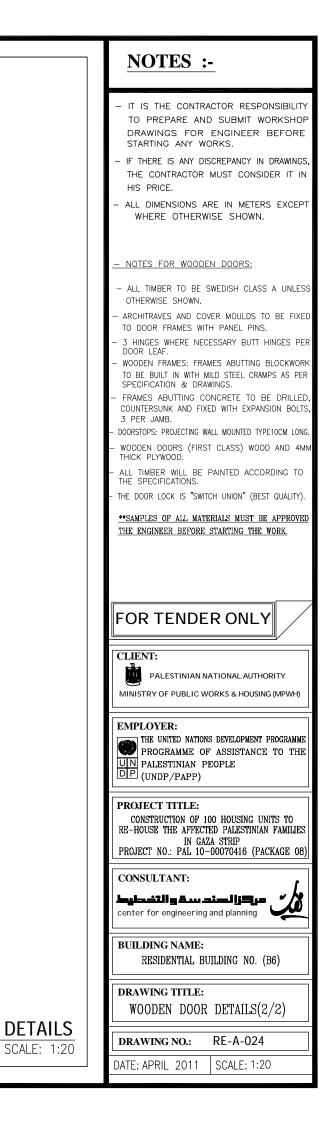


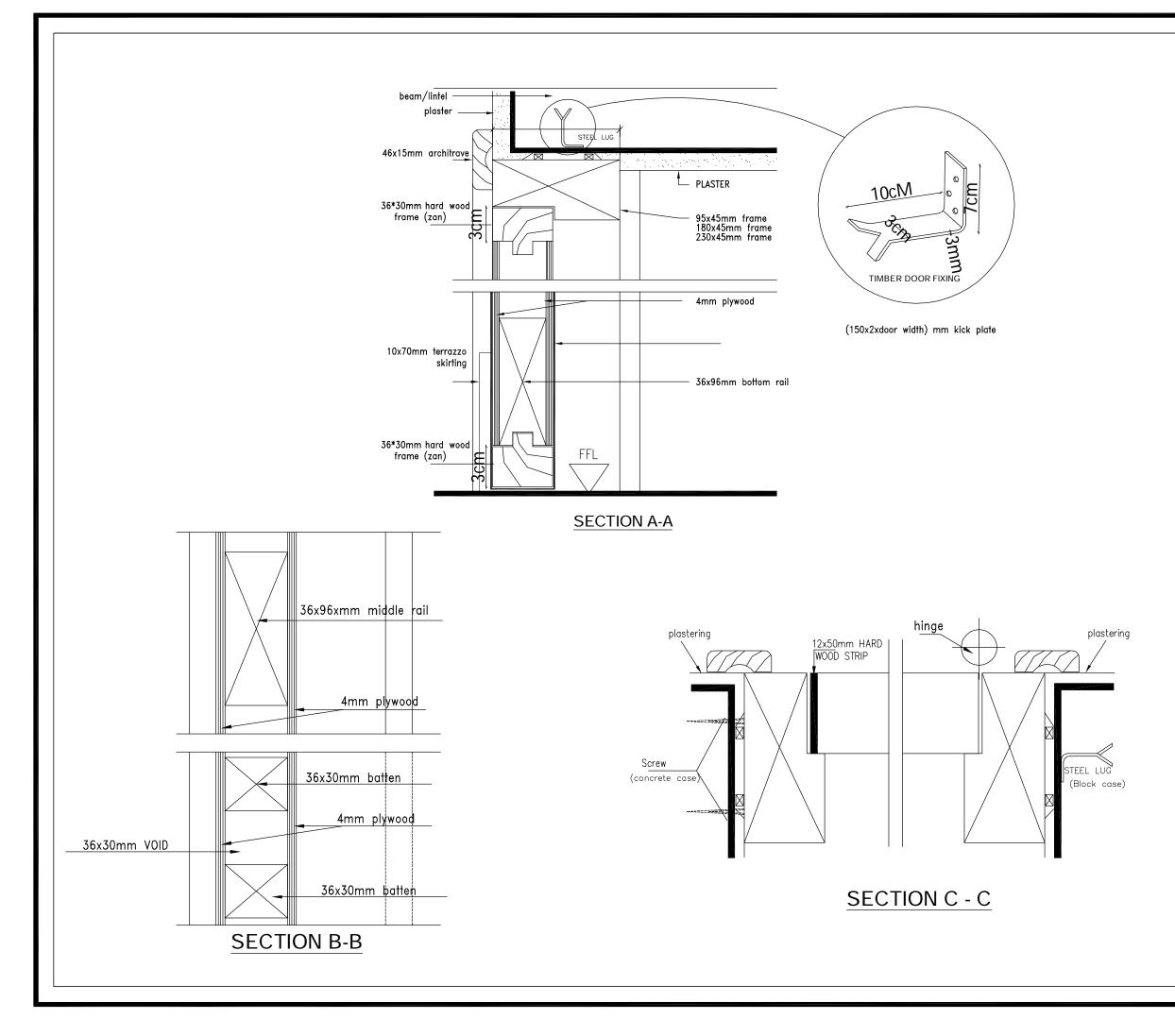


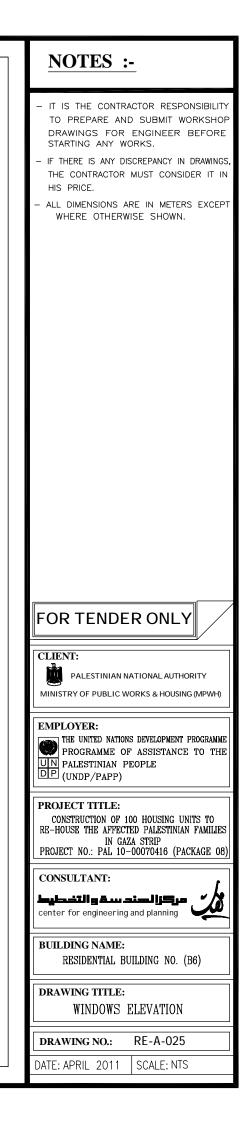
WOODEN DOOR DETAILS

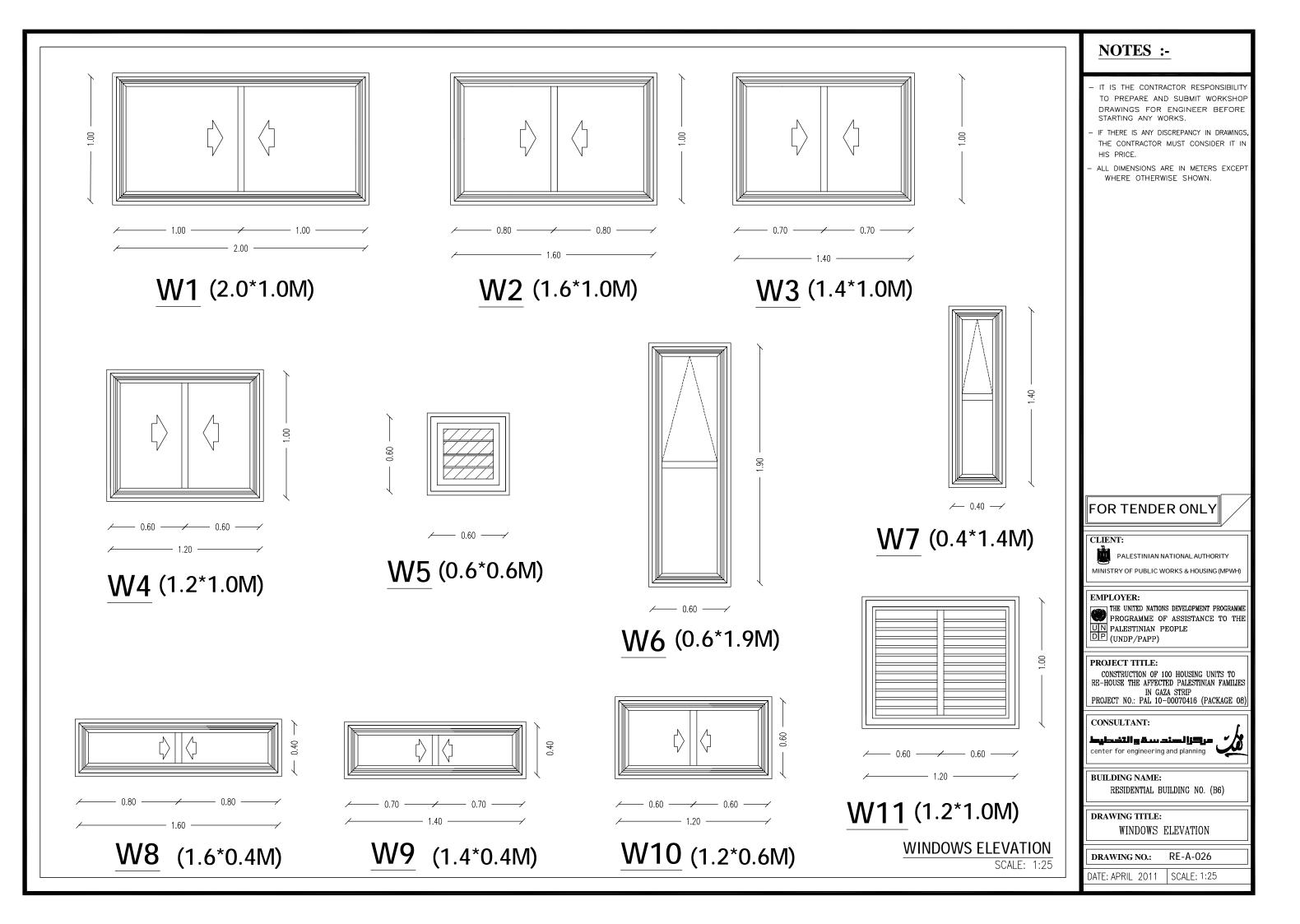
NOTES :-- IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE STARTING ANY WORKS. IF THERE IS ANY DISCREPANCY IN DRAWINGS THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. ALL DIMENSIONS ARE IN METERS EXCEPT WHERE OTHERWISE SHOWN. - NOTES FOR WOODEN DOORS: ALL TIMBER TO BE SWEDISH CLASS A UNLESS OTHERWISE SHOWN. ARCHITRAVES AND COVER MOULDS TO BE FIXED TO DOOR FRAMES WITH PANEL PINS. 3 HINGES WHERE NECESSARY BUTT HINGES PER DOOR LEAF. WOODEN FRAMES: FRAMES ABUTTING BLOCKWORK TO BE BUILT IN WITH MILD STEEL CRAMPS AS PER SPECIFICATION & DRAWINGS. FRAMES ABUTTING CONCRETE TO BE DRILLED COUNTERSUNK AND FIXED WITH EXPANSION BOLTS 3 PER JAMB. DOORSTOPS: PROJECTING WALL MOUNTED TYPE10CM LONG. WOODEN DOORS (FIRST CLASS) WOOD AND 4MM THICK PLYWOOD. ALL TIMBER WILL BE PAINTED ACCORDING TO THE SPECIFICATIONS. THE DOOR LOCK IS "SWITCH UNION" (BEST QUALITY). 20 **SAMPLES OF ALL MATERIALS MUST BE APPROVED Ň THE ENGINEER BEFORE STARTING THE WORK. FOR TENDER ONLY CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) **EMPLOYER:** PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE DP (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: مرکزا لسند سقو التخطيط center for engineering and planning **BUILDING NAME:** RESIDENTIAL BUILDING NO. (B6) DRAWING TITLE: WOODEN DOOR DETAILS(1/2)RE-A-023 DRAWING NO .: SCALE: 1:20 DATE: APRIL 2011 | SCALE: 1:20

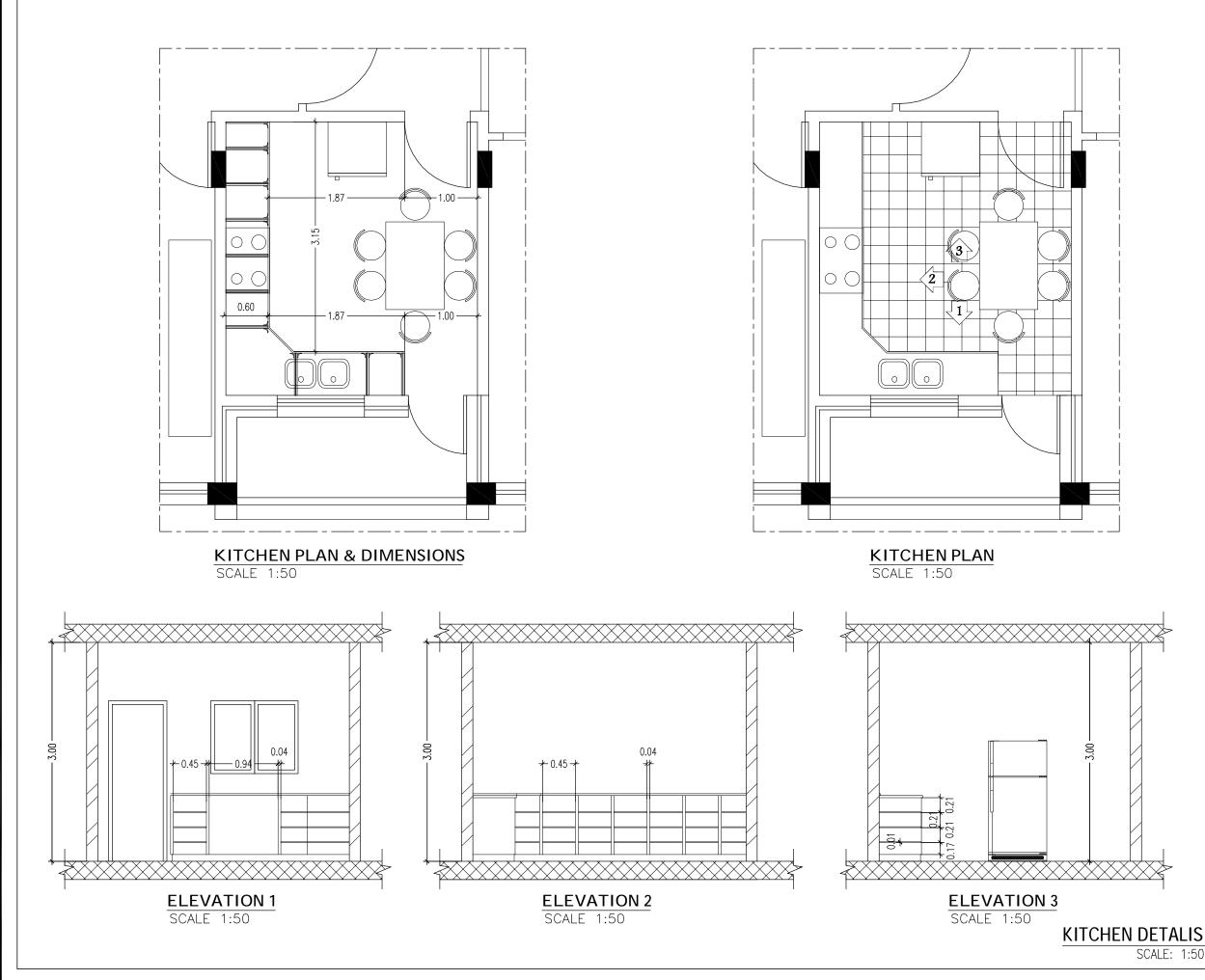


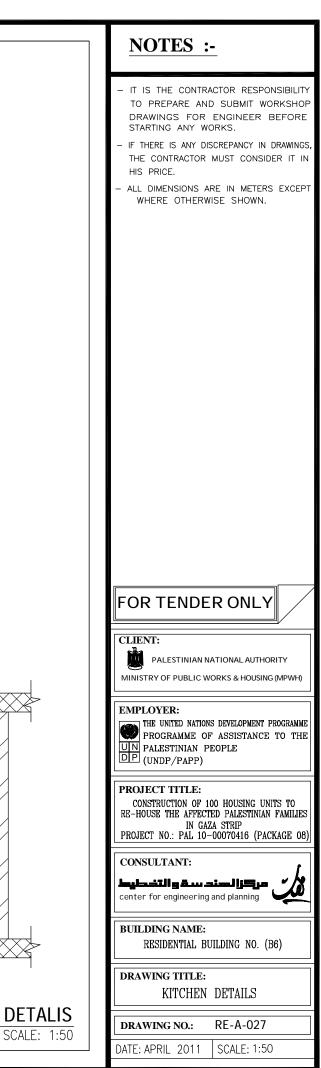


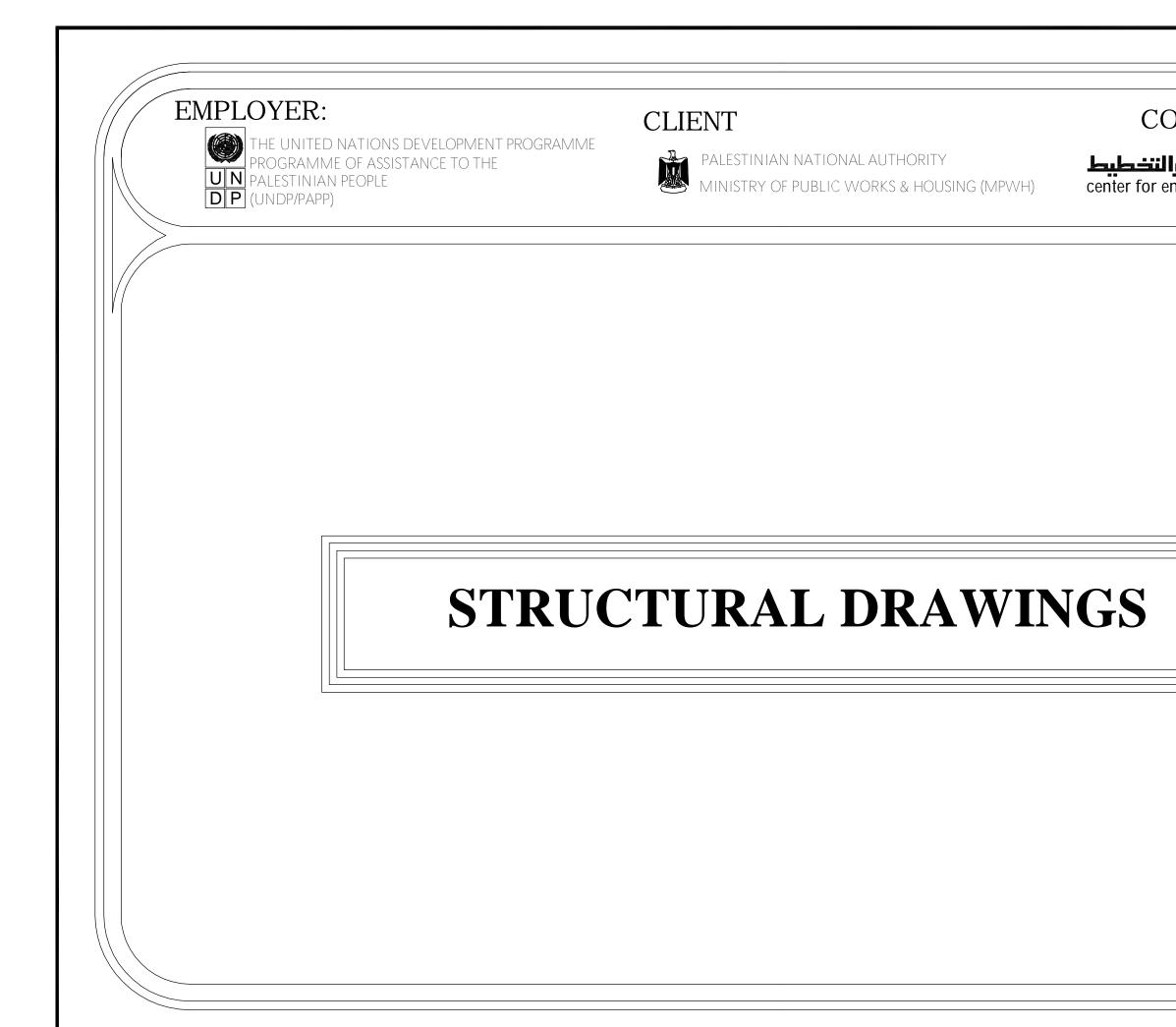














EMPLOYER:

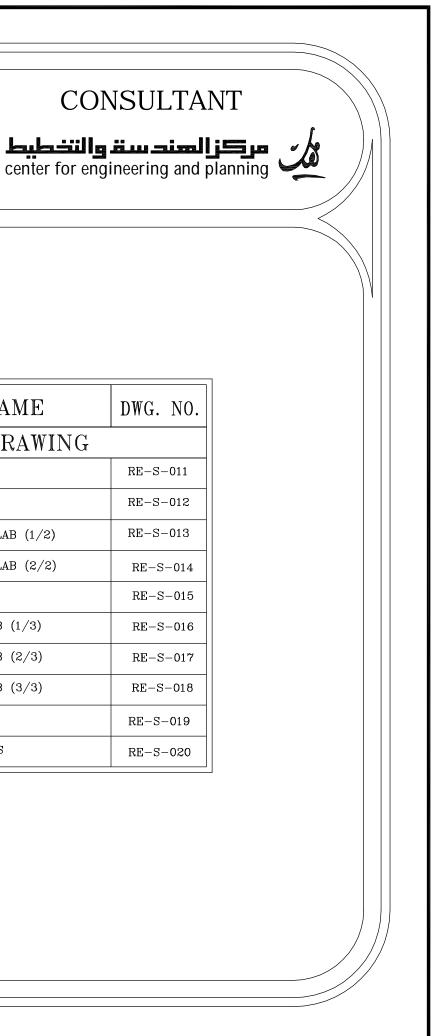


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE DP (UNDP/PAPP)

CLIENT



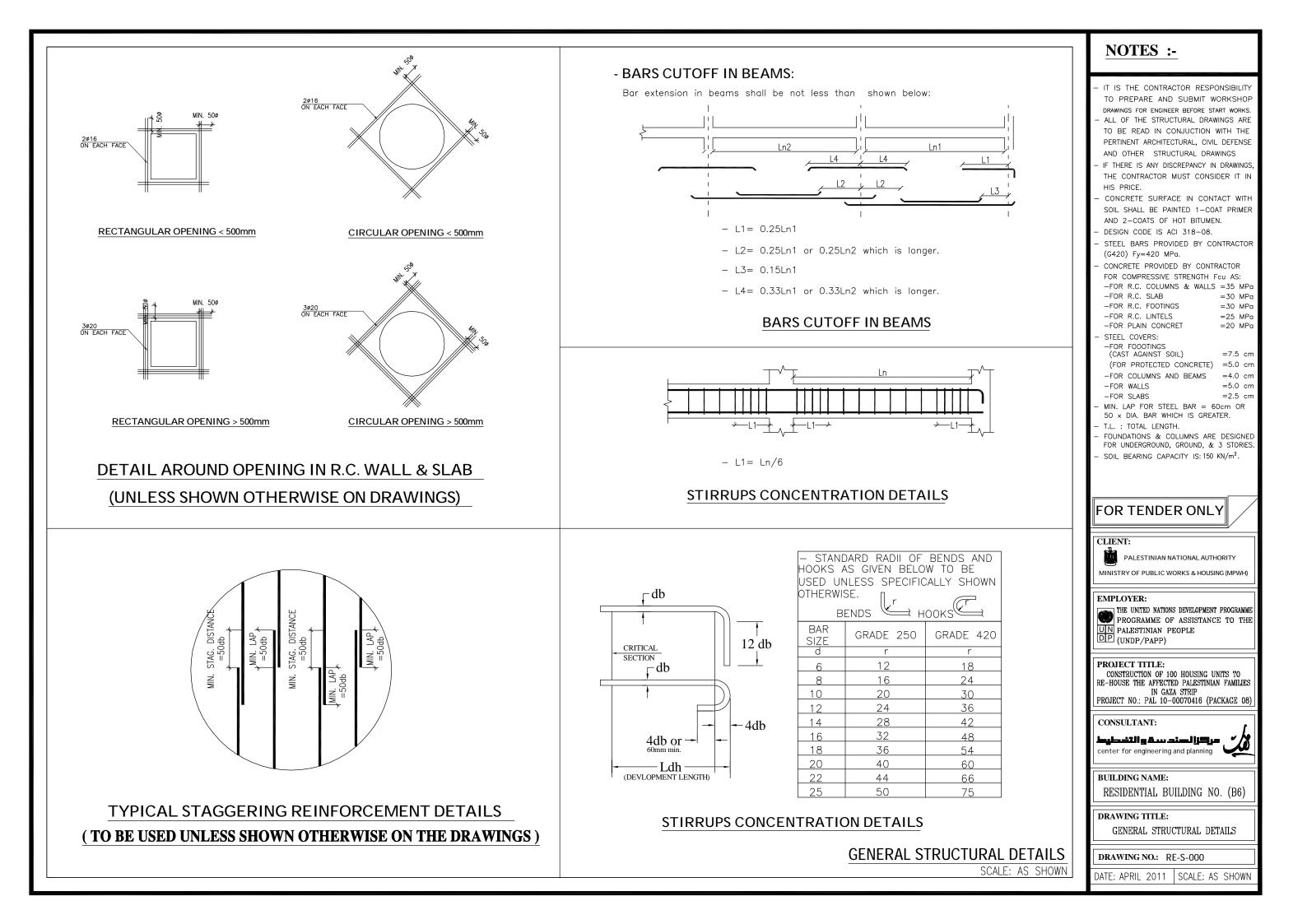
PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSI MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

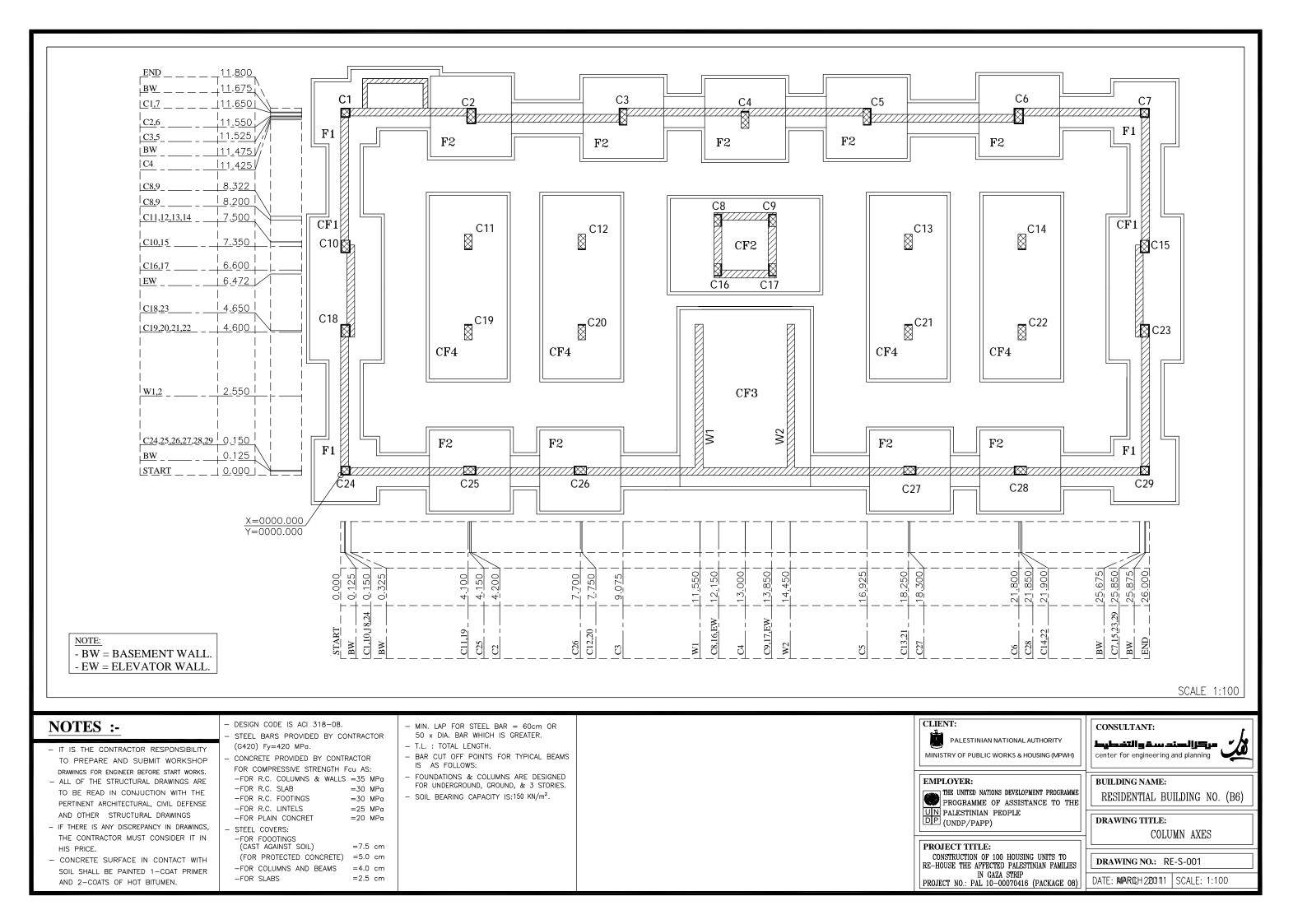


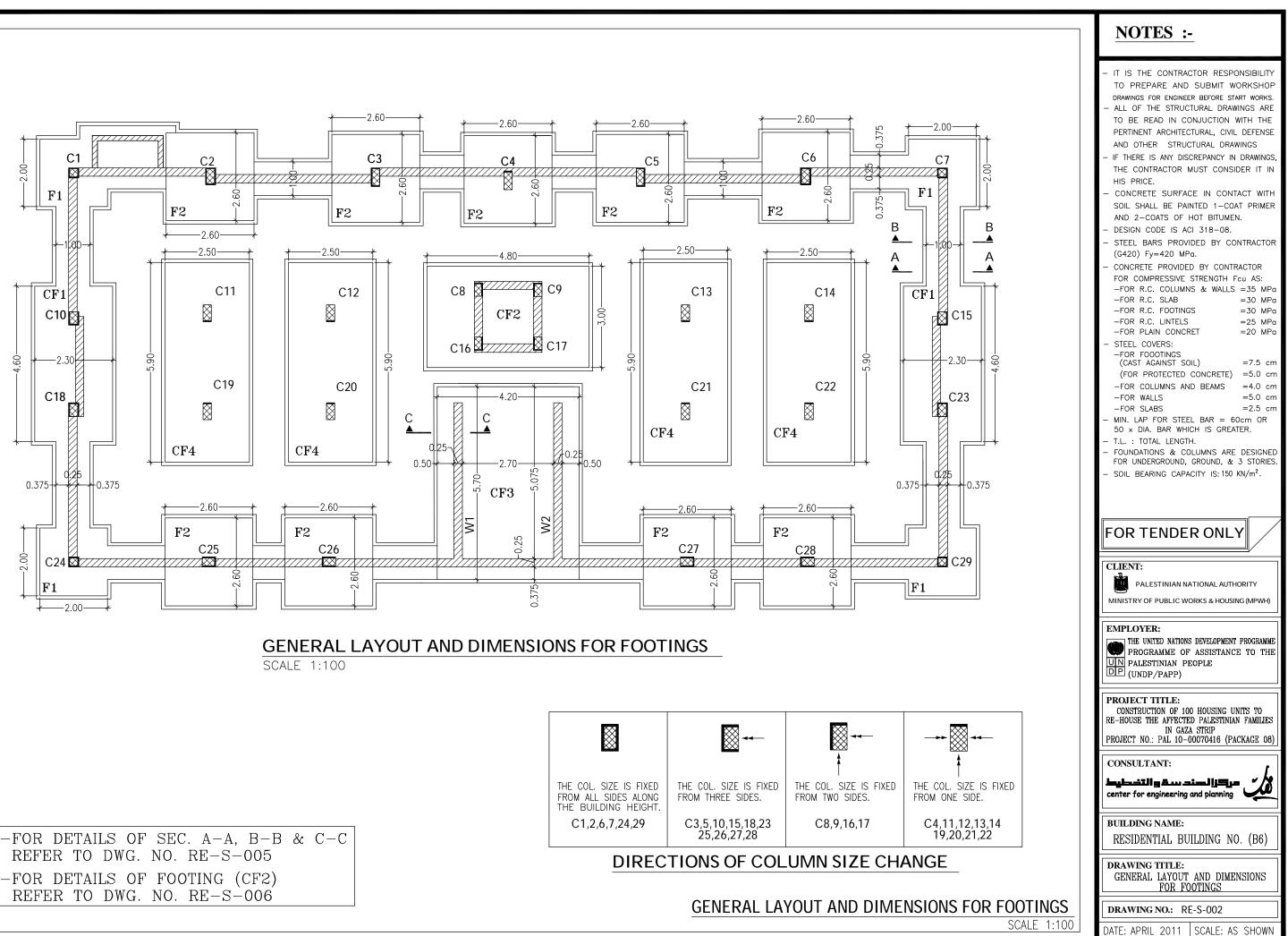
LIST OF DRAWINGS

| S/NO. | DRAWING NAME | DWG. NO. |
|-------|--|----------|
| | STRUCTURAL DRAWING | |
| 01/21 | GENERAL STRUCTURAL DETAILS | RE-S-000 |
| 02/21 | COLUMN AXES | RE-S-001 |
| 03/21 | GENERAL LAYOUT AND DIMENSIONS FOR FOOTINGS | RE-S-002 |
| 04/21 | FOOTING DETAILS (1/2) | RE-S-003 |
| 05/21 | FOUNDATIONS DETAILS (2/2) | RE-S-004 |
| 06/21 | BASEMENT WALL & SHEAR WALL DETAILS | RE-S-005 |
| 07/21 | ELEVATOR WALL DETAILS | RE-S-006 |
| 08/21 | COLUMNS DETAILS (1/4) | RE-S-007 |
| 09/21 | COLUMNS DETAILS (2/4) | RE-S-008 |
| 10/21 | COLUMNS DETAILS (3/4) | RE-S-009 |
| 11/21 | COLUMNS DETAILS (4/4) | RE-S-010 |

| S/NO. | DRAWING NAME |
|-------|--------------------------------------|
| | STRUCTURAL DRAWING |
| 12/21 | GROUND BEAMS DETAILS |
| 13/21 | BASEMENT SLAB DETAILS |
| 14/21 | BEAMS DETAILS OF BASEMENT SLAB (1/2) |
| 15/21 | BEAMS DETAILS OF BASEMENT SLAB (2/2) |
| 16/21 | TYPICAL SLAB DETAILS |
| 17/21 | BEAMS DETAILS OF TYPICAL SLAB (1/3) |
| 18/21 | BEAMS DETAILS OF TYPICAL SLAB (2/3) |
| 19/21 | BEAMS DETAILS OF TYPICAL SLAB (3/3) |
| 20/21 | STAIRS ROOF SLAB DETAILS |
| 21/21 | STRUCTURAL DETAILS FOR STAIRS |
| | |



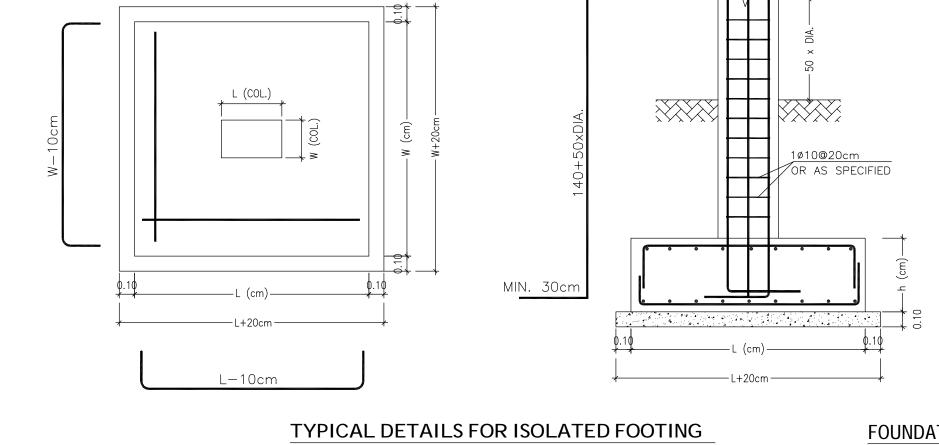




| -FOR DETAILS OF SEC. A-A, B-B | & | C - C |
|-------------------------------|---|-------|
| REFER TO DWG. NO. RE-S-005 | | |
| -FOR DETAILS OF FOOTING (CF2) | | |
| REFER TO DWG. NO. RE-S-006 | | |

| Table of | Footings | (ISOLATED) |
|----------|----------|------------|
|----------|----------|------------|

| Г | | | | | | | | | |
|---|-----------|--------------------------|-----|-------|-------|-------|-------------|-------------|--|
| | Foot | Ling | tal | Foot | ings | size | F | Reinforcen | nent |
| | FOOT. NO. | COL. NO. | | L(cm) | W(cm) | h(cm) | LONG DIR. | SHORT DIR. | Shape |
| | F1 | 1,7,24,29 | 4 | 200 | 200 | 40 | 1ø12@15cm | 1ø12@15cm | TOP/190cm 20 BOT/190cm T.L=230cm |
| | F2 | 2,3,4,5,6 25,26,27,28 | 9 | 260 | 260 | 50 | 1ø12@12.5cm | 1ø12@12.5cm | TOP/250cm 30 BOT/250m T.L=310cm |



FOUNDATIONS DETAILS (1/2)

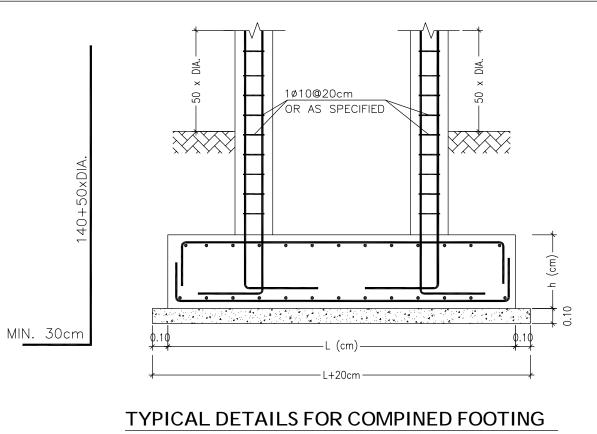
SCALE: AS SHOWN

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|---|
| -FOR PLAIN CONCRET =20 MPa STEEL COVERS: -FOR FOODTINGS (CAST AGAINST SOIL) =7.5 cm (FOR PROTECTED CONCRETE) =5.0 cm -FOR COLUMNS AND BEAMS =4.0 cm -FOR WALLS =5.0 cm -FOR SLABS =2.5 cm MIN. LAP FOR STEEL BAR = 60cm OR 50 × DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, GROUND, & 3 STORIES. SOIL BEARING CAPACITY IS: 150 KN/m². |



Table of Footings (COMBINED)

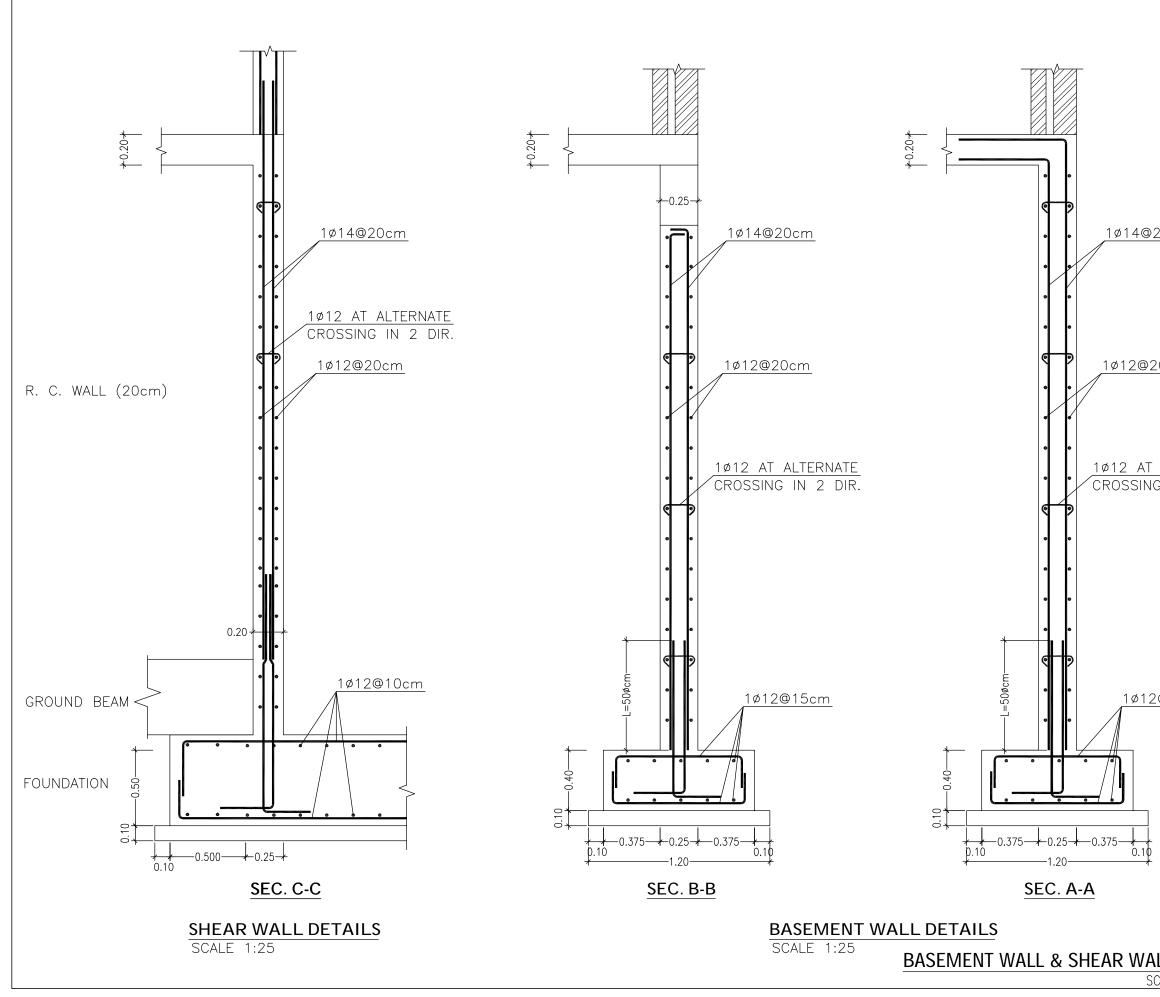
| Footing | | tal | Foot | ings | size | F | Reinforce | ment |
|-----------|----------------------------|-------|-------|-------|-------|---------------------------|----------------------------|-------------------------------|
| FOOT. NO. | COL. NO. | Total | L(cm) | W(cm) | h(cm) | LONG DIR. (TOP & BOT.) | SHORT DIR. (TOP & BOT.) | Shape |
| CF1 | 10,15,18,23 | 2 | 460 | 230 | 40 | 1ø12@15cm | 1ø12@15cm | 20 BOT. L OR W-10cm |
| CF2 | 8,9,16,17 | 1 | 480 | 300 | 30 | 1ø12@20cm | 1ø12@20cm | TOP 15 BOT. L OR W-10cm |
| CF3 | W1,W2 | 1 | 570 | 420 | 50 | 1ø12@10cm | 1ø12@10cm | TOP 30 BOT. L OR W-10cm |
| CF4 | 11,19,12,20 13,21,14,22 | 4 | 590 | 250 | 50 | 1ø12@10cm | 1ø12@10cm | TOP 30 BOT. L OR W-10cm |



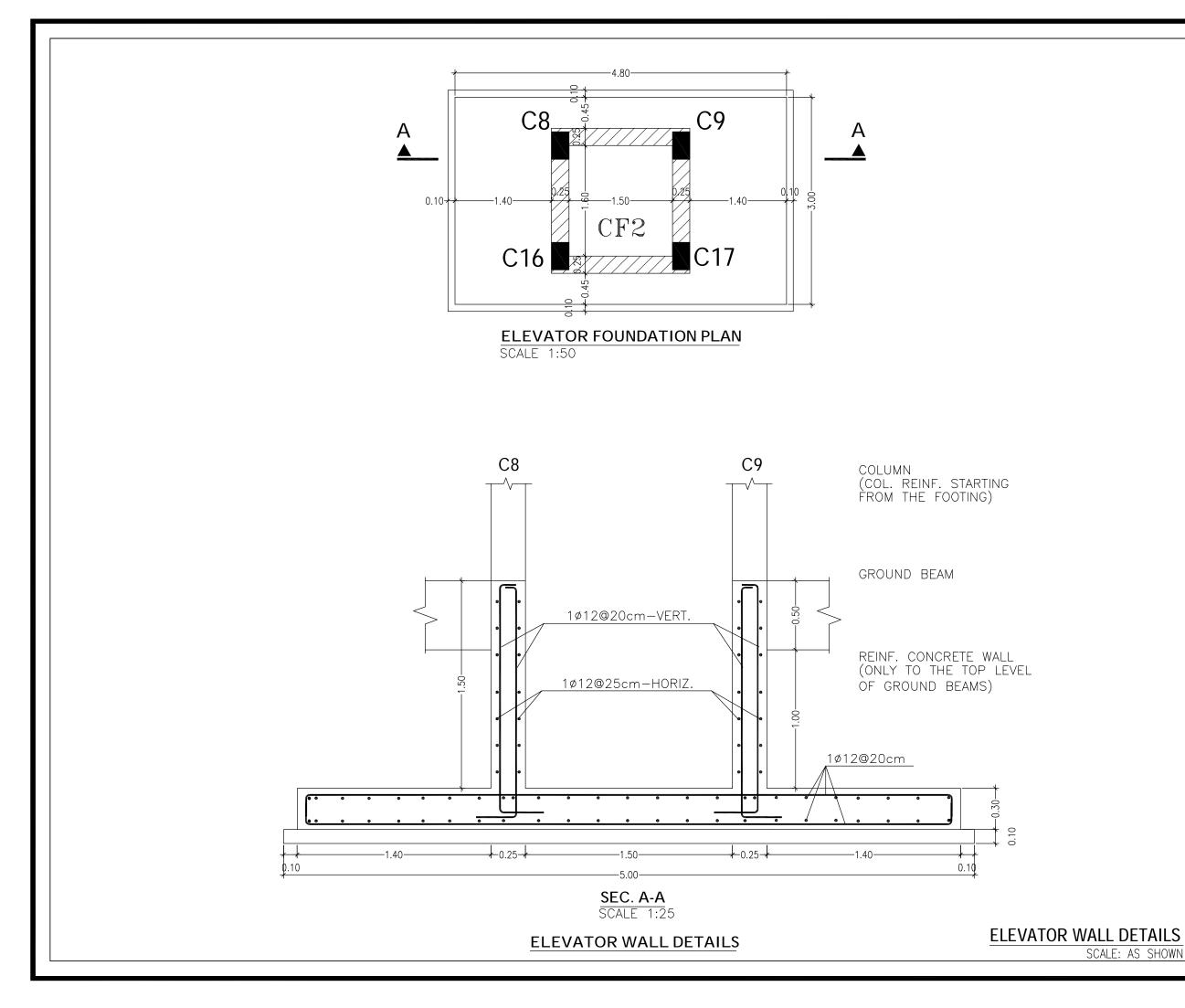
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|--|---|
| | |
| | FOR TENDER ONLY |
| | |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE UIN PALESTINIAN PEOPLE (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP |
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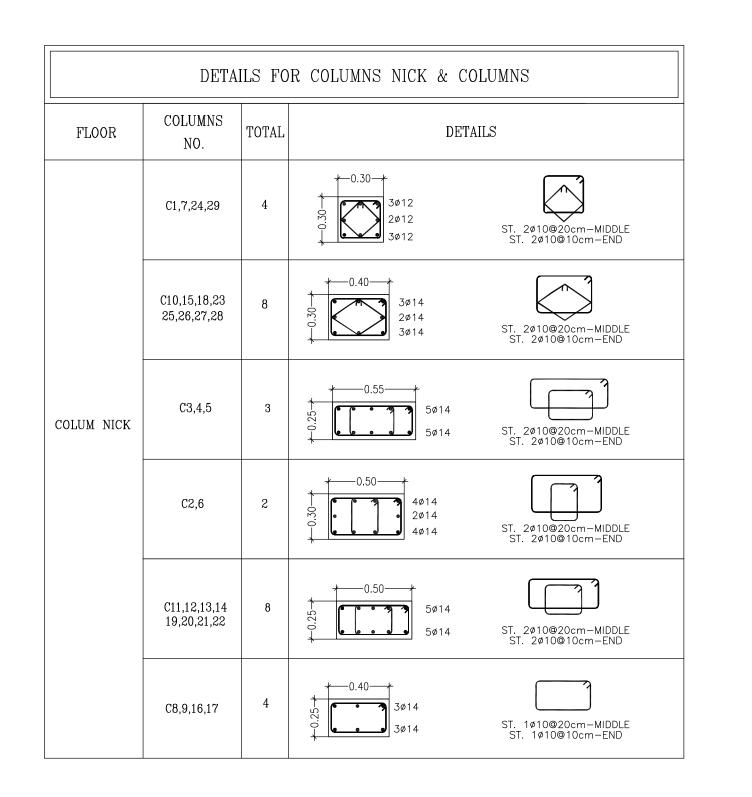
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| <u>20cm</u> | STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH Fcu AS: -FOR R.C. COLUMNS & WALLS =35 MPa |
| <u>!0cm</u> | -FOR R.C. SLAB =30 MPa -FOR R.C. FOOTINGS =30 MPa -FOR R.C. LINTELS =25 MPa -FOR PLAIN CONCRET =20 MPa -FOR PLAIN CONCRET =20 MPa -FOR FOODINGS (CAST AGAINST SOIL) =7.5 cm (FOR PROTECTED CONCRETE) =5.0 cm -FOR COLUMNS AND BEAMS =4.0 cm -FOR WALLS =5.0 cm -FOR SLABS =2.5 cm - MIN. LAP FOR STEEL BAR = 60cm OR |
| <u>alternate</u> G in 2 dir. | 50 x DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, GROUND, & 3 STORIES. SOIL BEARING CAPACITY IS: 150 KN/m². |
| | FOR TENDER ONLY |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) |
| <u>@15cm</u> | EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE DP (UNDP/PAPP) |
| | PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | CONSULTANT: مرکزالسند سے والتخطیط center for engineering and planning |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B6) |
| | DRAWING TITLE: BASEMENT WALL & SHEAR WALL DETAILS |
| LL DETAILS | DRAWING NO.: RE-S-005 |
| CALE: AS SHOWN | DATE: APRIL 2011 SCALE: AS SHOWN |
| | |

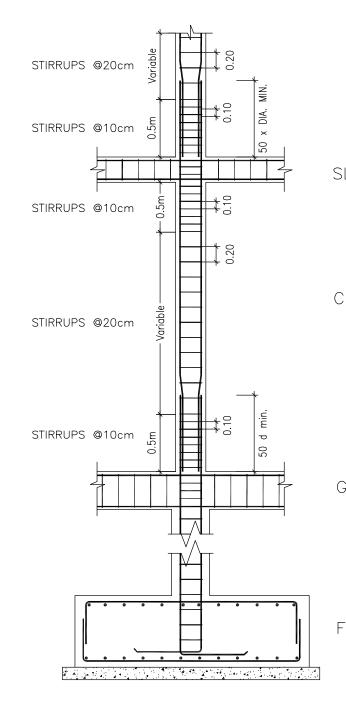


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| | FOR FOOLINGS SOIL) =7.5 cm (FOR PROTECTED CONCRETE) =5.0 cm FOR COLUMNS AND BEAMS =4.0 cm FOR WALLS =5.0 cm FOR SLABS =2.5 cm MIN. LAP FOR STEEL BAR = 60cm OR 50 × DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, GROUND, & 3 STORIES. SOIL BEARING CAPACITY IS: 150 KN/m². |
| | |
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| | CONSULTANT: |
| | CUIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Laboriting Bana signification center for engineering and planning BUILDING NAME: |
| Ī | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Center for engineering and planning CONSULTANT: CENSULT |







TYPICAL DETAILS FOR COLUMN STIRRUP SPACING

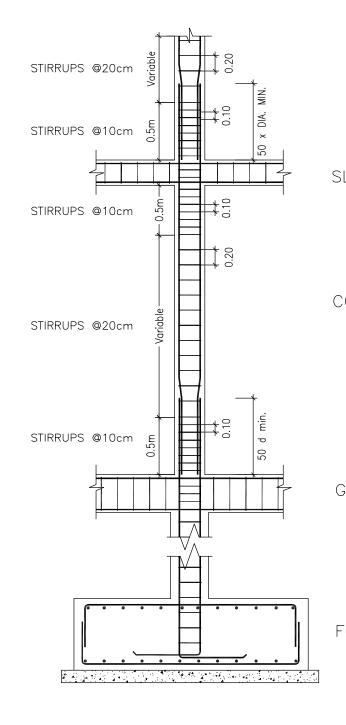
NOT TO SCALE

COLUMNS DE

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| | <u>NOTES :-</u> |
|-------------------------------|---|
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| OLUMN | STEEL COVERS: FOR FOOOTINGS (CAST AGAINST SOIL) =7.5 cm (FOR PROTECTED CONCRETE) =5.0 cm FOR COLUMNS AND BEAMS =4.0 cm FOR WALLS =5.0 cm FOR SLABS =2.5 cm MIN. LAP FOR STEEL BAR = 60cm OR 50 x DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, GROUND, & 3 STORIES. SOIL BEARING CAPACITY IS: 200 KN/m². |
| G. BEAM | FOR TENDER ONLY |
| | PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE (UNDP/PAPP) |
| OUND. | PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: |
| | مركزا لهند سقوالتخطيط center for engineering and planning BUILDING NAME: |
| | RESIDENTIAL BUILDING NO. (B6) DRAWING TITLE: COLUMNS DETAILS (1/4) |
| TAILS (1/3) CALE: AS SHOWN | DRAWING NO.: RE-S-007 |
| JALL, AS SHUWN | DATE: APRIL 2011 SCALE: AS SHOWN |

| DETAILS FOR COLUMNS NICK & COLUMNS | | | | | | | |
|------------------------------------|-----------------------------|-------|--------------------------------------|---|--|--|--|
| FLOOR | COLUMNS NO. | TOTAL | DETAILS | | | | |
| | C1,7,24,29 | 4 | 0.30 3ø12 2ø12 3ø12 3ø12 | ST. 2ø10@20cm-MIDDLE ST. 2ø10@10cm-END | | | |
| | C10,15,18,23 25,26,27,28 | 8 | 0.40 3ø14 2ø14 3ø14 | ST. 2ø10@20cm-MIDDLE ST. 2ø10@10cm-END | | | |
| BASEMENT FLOOR | C3,4,5 | 3 | 0.55 5ø14 5ø14 5ø14 | ST. 2ø10@20cm-MIDDLE ST. 2ø10@10cm-END | | | |
| | C2,6 | 2 | 0.50 4ø14 2ø14 4ø14 | ST. 2ø10@20cm-MIDDLE ST. 2ø10@10cm-END | | | |
| | C11,12,13,14 19,20,21,22 | 8 | 0.50 5ø14 5ø14 | ST. 2ø10@20cm-MIDDLE ST. 2ø10@10cm-END | | | |
| | C8,9,16,17 | 4 | 0.40 3ø14 3ø14 | ST. 1ø10@20cm-MIDDLE ST. 1ø10@10cm-END | | | |



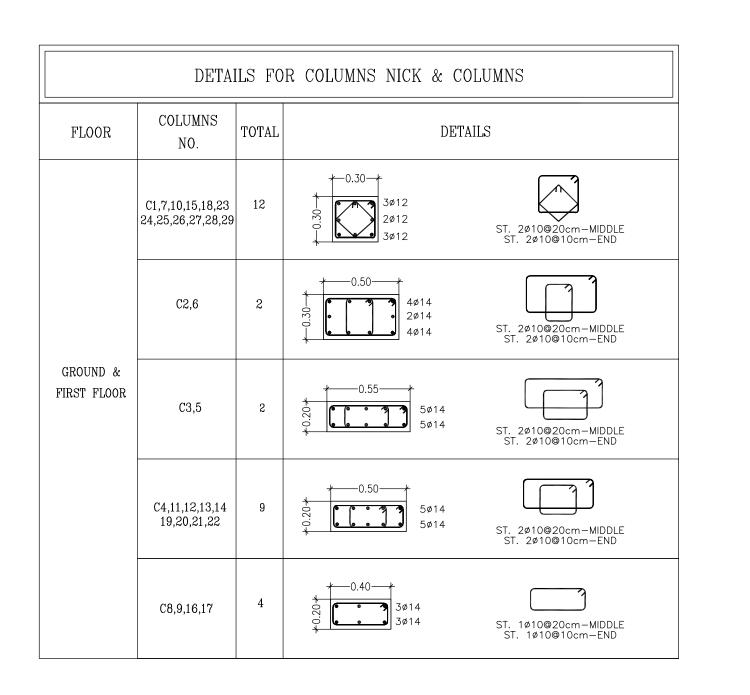
TYPICAL DETAILS FOR COLUMN STIRRUP SPACING

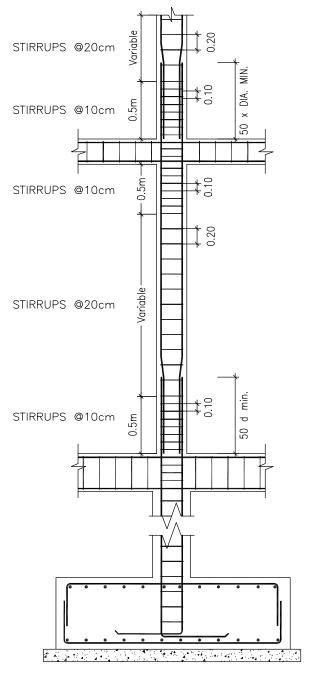
NOT TO SCALE

COLUMNS DE

SC

| | NOTES :- |
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| OLUMN | (CAST AGAINST SOLE) (FOR PROTECTED CONCRETE) =5.0 cm -FOR COLUMNS AND BEAMS =4.0 cm -FOR WALLS =5.0 cm -FOR SLABS =2.5 cm MIN. LAP FOR STEEL BAR = 60cm OR 50 × DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. - FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, GROUND, & 3 STORIES. - SOIL BEARING CAPACITY IS: 200 KN/m². |
| G. BEAM | FOR TENDER ONLY |
| | PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) |
| OUND. | EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE UNDP/PAPP) |
| | PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | CONSULTANT: مرکز لسند سقوالتخطیط center for engineering and planning |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B6) |
| | DRAWING TITLE: COLUMNS DETAILS (2/4) |
| TAILS (1/3) CALE: AS SHOWN | DRAWING NO.: RE-S-008 DATE: APRIL 2011 SCALE: AS SHOWN |

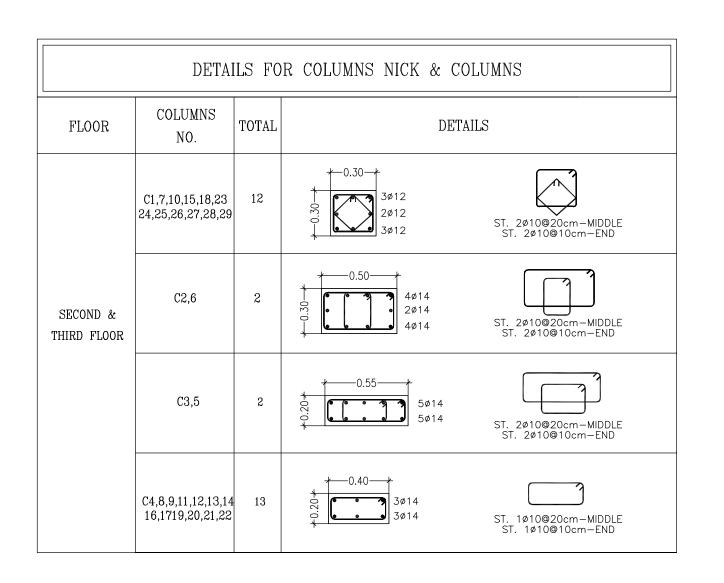


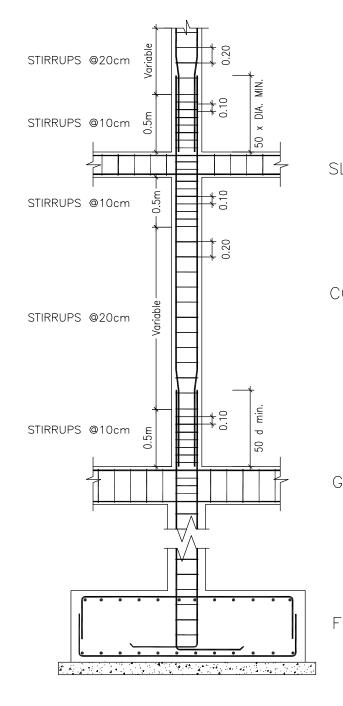


TYPICAL DETAILS FOR COLUMN STIRRUP SPACING NOT TO SCALE

COLUMNS DE

| | NOTES :- |
|----------------------------------|---|
| SLAB | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE AND OTHER STRUCTURAL DRAWINGS IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1–COAT PRIMER AND 2–COATS OF HOT BITUMEN. DESIGN CODE IS ACI 318–08. STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH Fcu AS: –FOR R.C. COLUMNS & WALLS =35 MPa FOR R.C. FOOTINGS =30 MPa FOR R.C. LINTELS =25 MPa FOR RC. LINTELS =25 MPa FOR ROUTINES: FOR PLAIN CONCRET =20 MPa STEEL COVERS: FOR FOOTINGS (CAST AGAINST SOIL) =7.5 cm (FOR PROTECTED CONCRETE) =5.0 cm FOR COLUMNS AND BEAMS =4.0 cm FOR RULLS =5.0 cm FOR SIABS =2.5 cm MIN. LAP FOR STEEL BAR =60cm OR 50 × DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. |
| G. BEAM | FILL : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, CROUND, & 3 STORIES. SOIL BEARING CAPACITY IS: 200 KN/m². FOR TENDER ONLY CLIENT: PALESTINIAN NATIONAL AUTHORITY |
| FOUND. | MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE UN DP/PAPP) PROJECT TITLE: |
| | CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B6) DRAWING TITLE: COLUMNS DETAILS (3/4) |
| DETAILS (2/3) SCALE: AS SHOWN | DRAWING NO.: RE-S-009 DATE: APRIL 2011 SCALE: AS SHOWN |
| | DATE, AFRIE ZUTT SUALE: AS SHUWN |

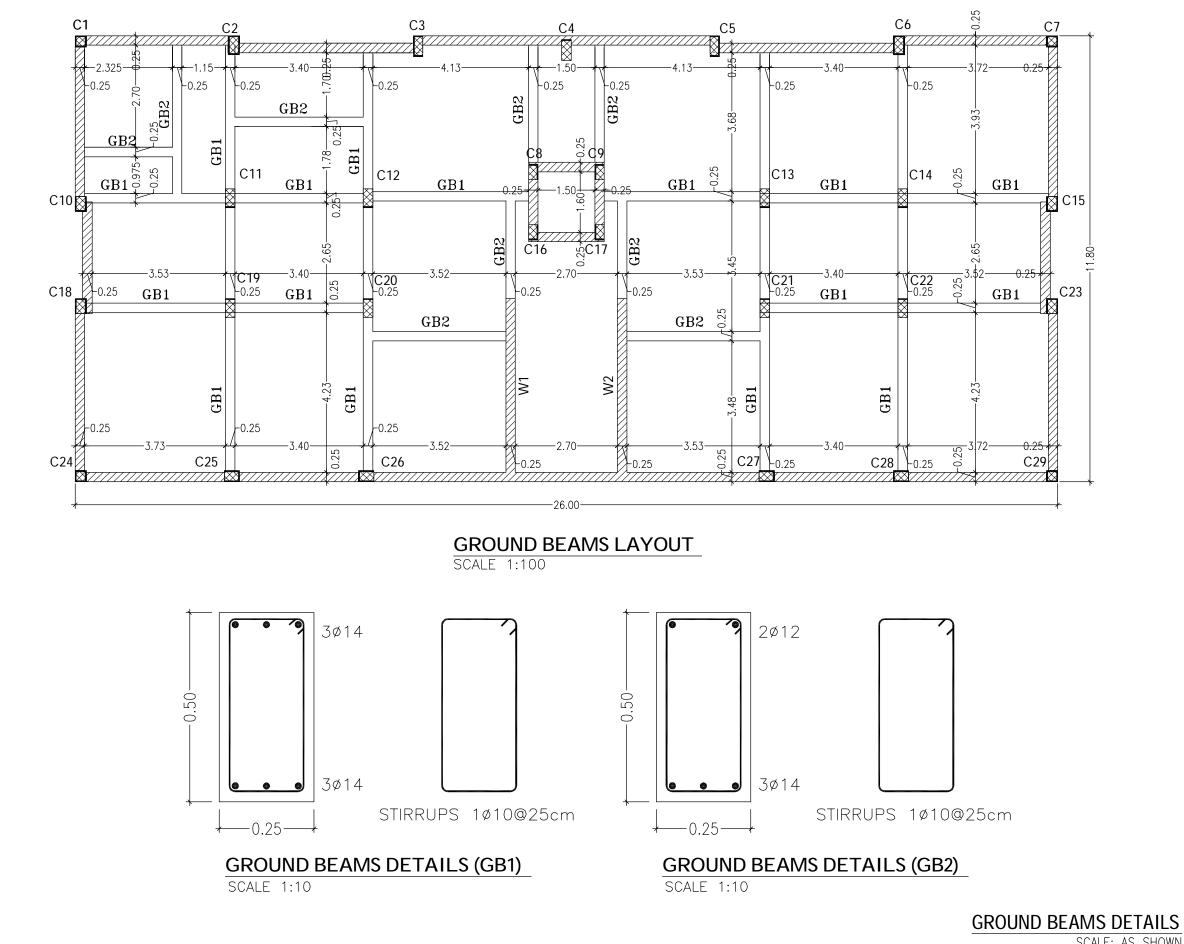




TYPICAL DETAILS FORCOLUMN STIRRUP SPACINGNOT TO SCALE

COLUMNS DE

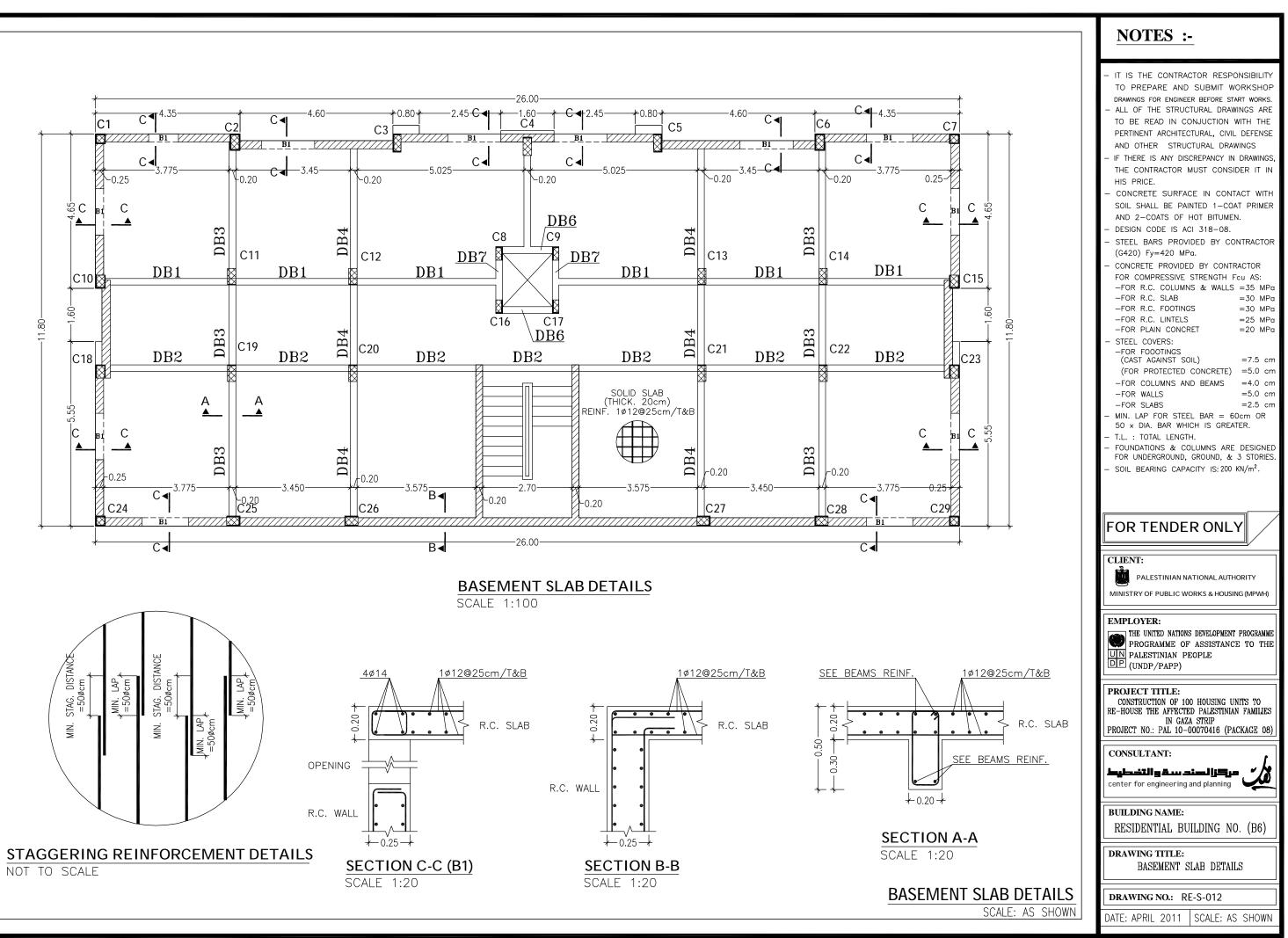
| | <u>NOTES :-</u> |
|-------------------------------|---|
| LAB | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE AND OTHER STRUCTURAL DRAWINGS IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1–COAT PRIMER AND 2–COATS OF HOT BITUMEN. DESIGN CODE IS ACI 318–08. STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH Fcu AS: –FOR R.C. COLUMNS & WALLS =35 MPa –FOR R.C. SLAB =30 MPa –FOR R.C. LINTELS =25 MPa –FOR PLAIN CONCRET =20 MPa STEEL COVERS: –FOR FOOOTINGS (CAST AGAINST SOIL) =7.5 cm (FOR PROTECTED CONCRETE) =5.0 cm |
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| G. BEAM | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) |
| OUND. | EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE UNDP/PAPP) |
| | PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | CONSULTANT: مرکزالسند سط والتخطیط center for engineering and planning |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B6) |
| | DRAWING TITLE: COLUMNS DETAILS (4/4) |
| TAILS (3/3) CALE: AS SHOWN | DRAWING NO.:RE-S-010DATE:APRIL2011SCALE:ASSHOWN |

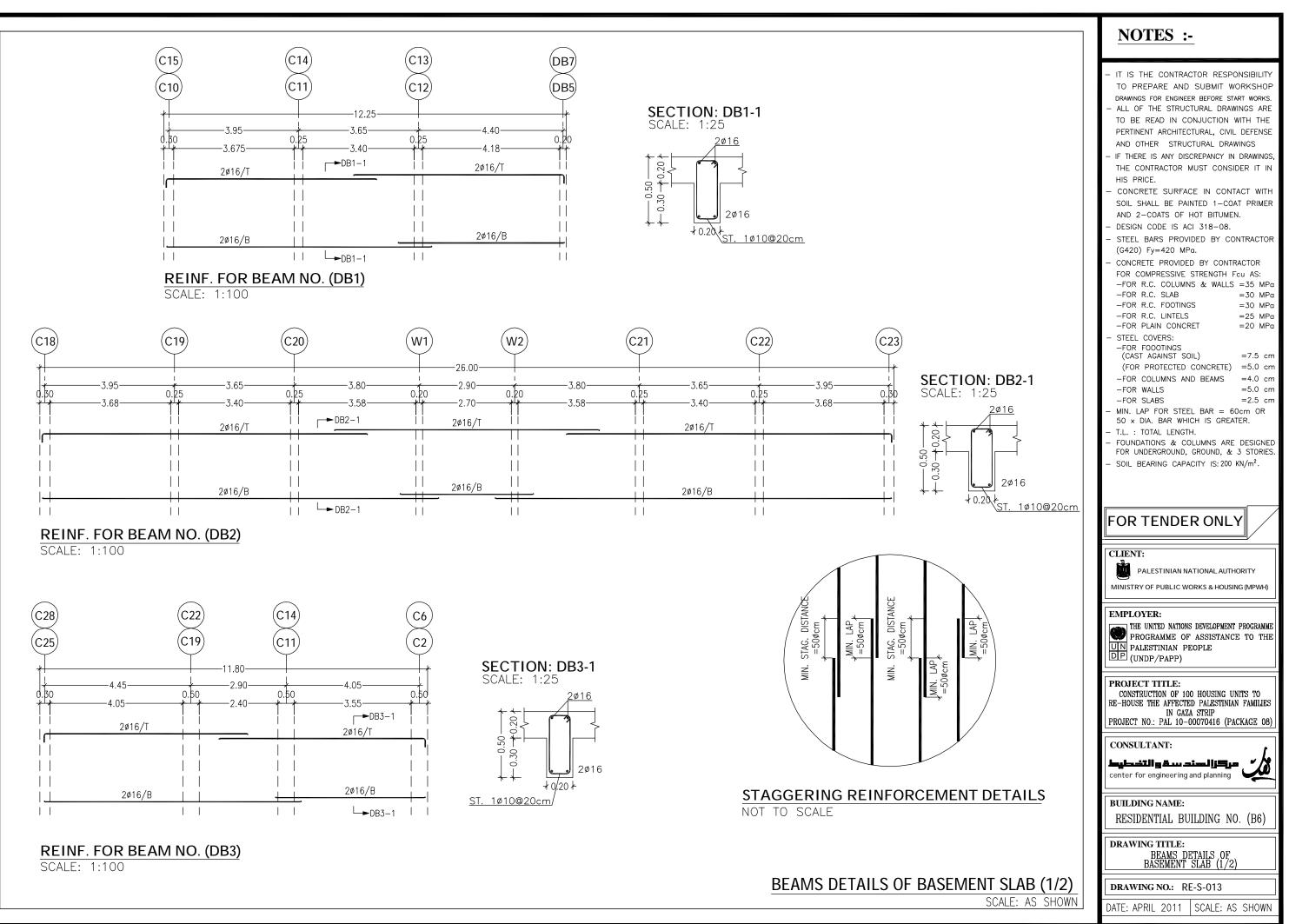


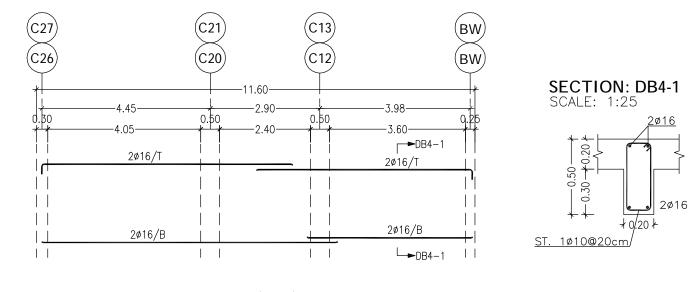
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| |
| FOR TENDER ONLY |
| FOR TENDER ONLY |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE |
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| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILLES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Labertillgau simplice center for engineering and planning |
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SCALE: AS SHOWN







REINF. FOR BEAM NO. (DB4) SCALE: 1:100

| BEAMS | REL | NFORCE | MENT | TABLE |
|-------|-----|--------|------|-------|
| | FOR | GROUND | SLAB | |

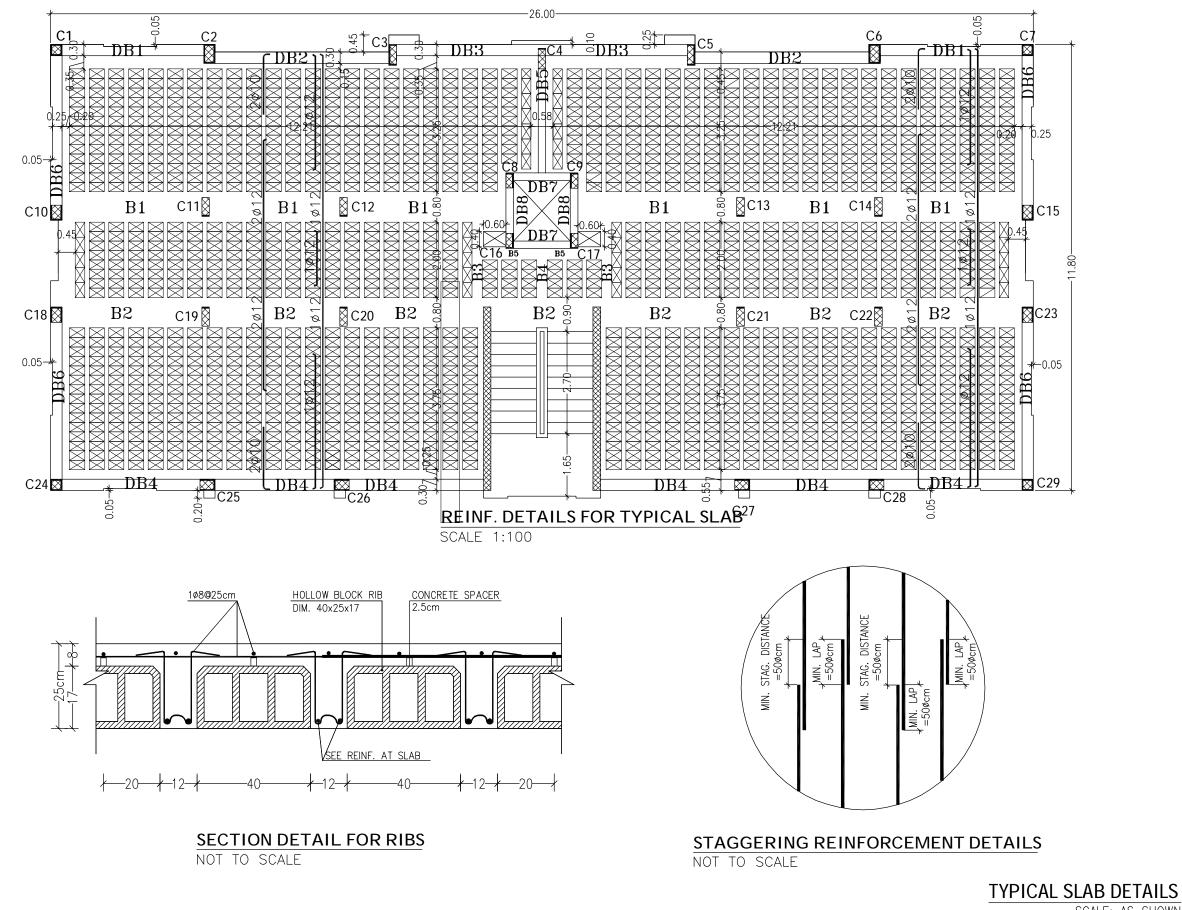
| NO. | DIM | | воттом | TOP | STIRRUPS |
|-----|------------|----|--------|--------|-----------|
| | <i>W</i> . | Н. | REINF. | REINF. | |
| DB5 | 20 | 50 | 2ø16 | 2ø16 | 1ø10/20cm |
| DB6 | 20 | 50 | 2ø16 | 2ø16 | 1ø10/20cm |
| DB7 | 20 | 50 | 2ø16 | 2ø16 | 1ø10/20cm |

BEAMS DETAILS OF BASEMENT SLAB (2/2

NOTES .

| | NOILS |
|----|--|
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| | CONSULTANT: |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Labertill g & Lo and Jiggor center for engineering and planning BUILDING NAME: |
| 2) | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Labertill & A. Jack (Jacka) center for engineering and planning CONSULTANT: Labertill & A. Jack (Jacka) CONSULTANT: Mathematical (Jacka |

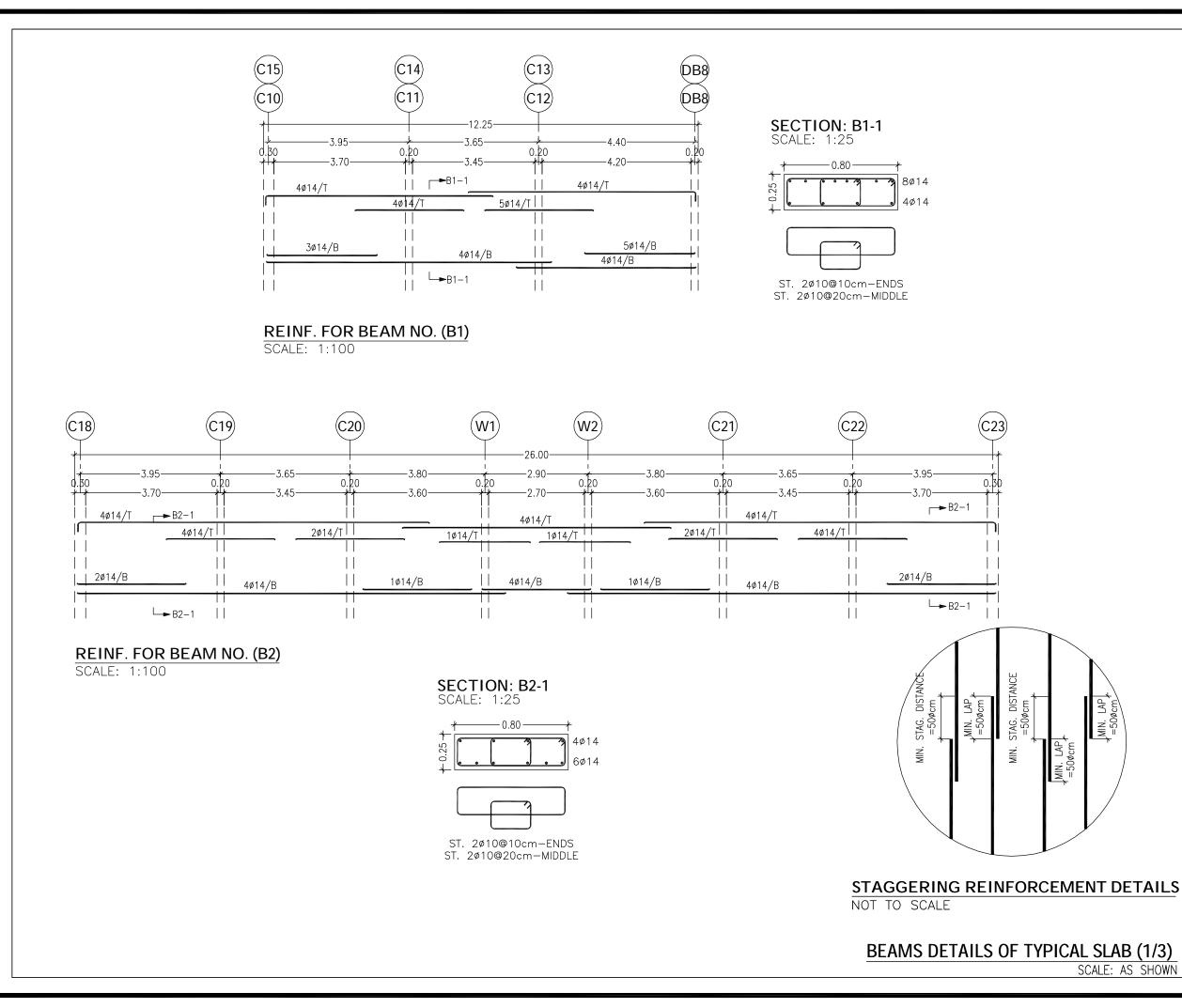
SCALE: AS SHO



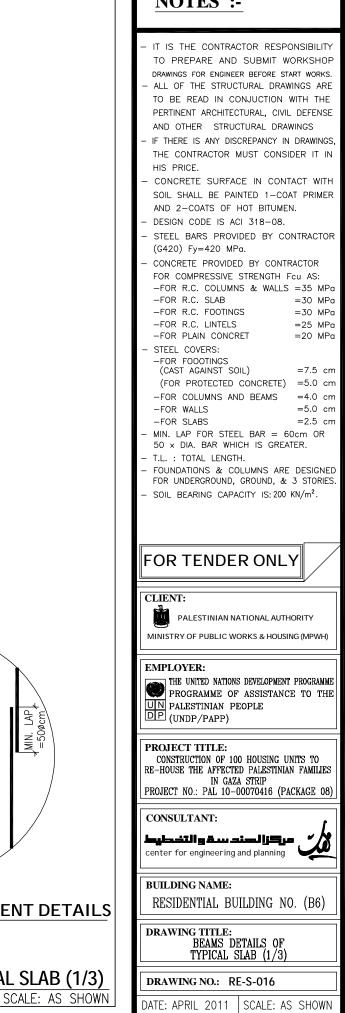
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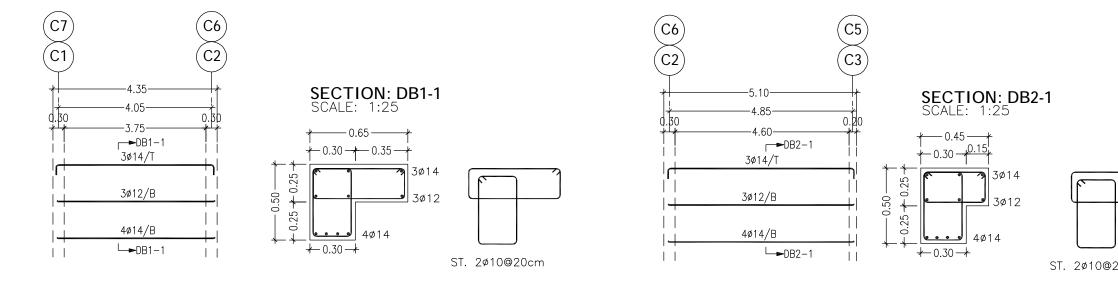
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| FOR TENDER ONLY |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE UN PALESTINIAN PEOPLE (UNDP/PAPP) |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE |
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| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILLES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Lubit Balancia and planning |
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SCALE: AS SHOWN



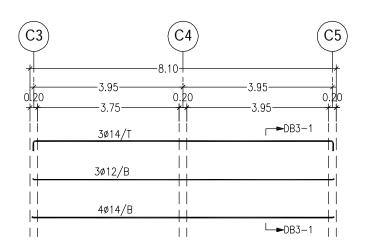
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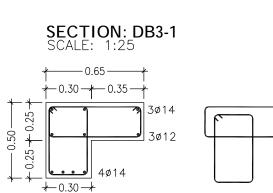




REINF. FOR BEAM NO. (DB1)

SCALE: 1:100





ST. 2ø10@20cm

SECTION: DB4-1 SCALE: 1:25

4ø14

3ø14

y 3ø12

ST. 2ø10@20cm

∤ 0.50 − **∤**

+ 0.30 + 0.20 +

+−0.30*-+*

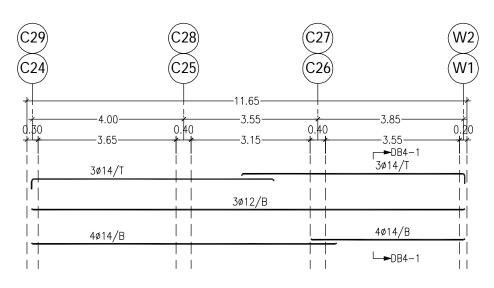
0.25

- 0.50 -- 0.25 + 0

+ +

REINF. FOR BEAM NO. (DB3)

SCALE: 1:100



REINF. FOR BEAM NO. (DB4)

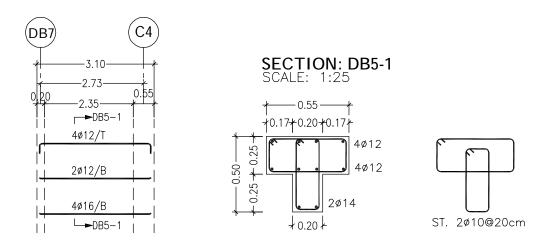
SCALE: 1:100

BEAMS DETAILS OF TYPICAL SL

SCAL

NOTES :-

| 20cm | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE AND OTHER STRUCTURAL DRAWINGS IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1–COAT PRIMER AND 2–COATS OF HOT BITUMEN. DESIGN CODE IS ACI 318–08. STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH FCU AS: -FOR R.C. COLUMNS & WALLS =35 MPa -FOR R.C. SLAB =30 MPa -FOR R.C. SLAB =30 MPa -FOR R.C. LINTELS =25 MPa -FOR PLAIN CONCRET =20 MPa STEEL COVERS: -FOR FOODTINGS (CAST AGAINST SOIL) =7.5 cm (FOR PROTECTED CONCRETE) =5.0 cm -FOR SLABS =2.5 cm MIN. LAP FOR STEEL BAR = 60cm OR 50 × DIA. BAR WHICH IS GREATER. T.L. : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, GROUND, & 3 STORIES. SOIL BEARING CAPACITY IS: 200 KN/m². |
|-------------|---|
| | FOR TENDER ONLY |
| | EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE (UNDP/PAPP) |
| | PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | CONSULTANT: مرکزالمند سقوالتخطیط center for engineering and planning |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B6) |
| | DRAWING TITLE: BEAMS DETAILS OF TYPICAL SLAB (2/3) |
| LAB (2/3) | DRAWING NO.: RE-S-017 |
| E: AS SHOWN | DATE: APRIL 2011 SCALE: AS SHOWN |



REINF. FOR BEAM NO. (DB5)

SCALE: 1:100

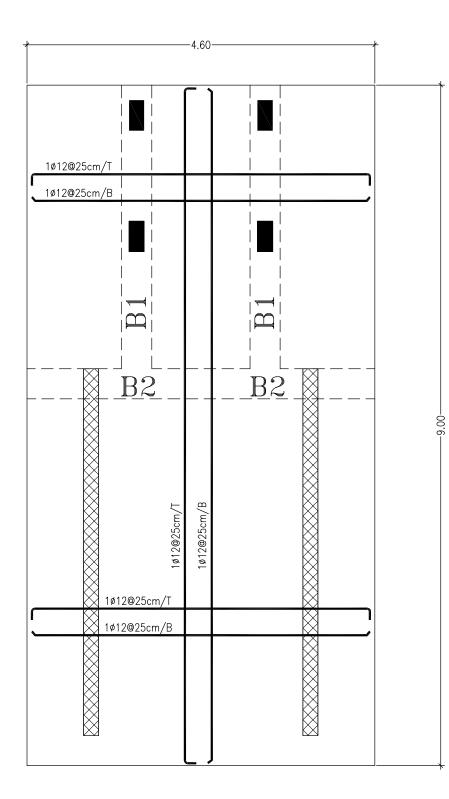
BEAMS REINFORCEMENT TABLE FOR TYPICAL SLAB

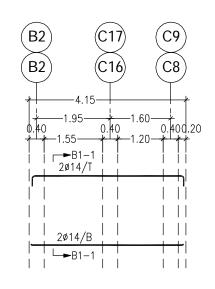
| NO. | DIM | | воттом | TOP | STIRRUPS |
|-----------|------------|----|--------|--------|-----------|
| | <i>W</i> . | Н. | REINF. | REINF. | |
| DB6 | 30 | 50 | 4ø16 | 2ø12 | 1ø10/20cm |
| DB7 | 20 | 40 | 2ø14 | 2ø12 | 1ø10/20cm |
| DB8 | 20 | 40 | 2ø14 | 2ø12 | 1ø10/20cm |
| <i>B3</i> | 25 | 25 | 2ø12 | 2ø12 | 1ø10/20cm |
| <i>B4</i> | 25 | 25 | 2ø12 | 2ø12 | 1ø10/20cm |
| <i>B5</i> | 30 | 25 | 2ø14 | 2ø12 | 1ø10/20cm |

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| | <u>NOTES :-</u> |
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| | FOR TENDER ONLY |
| | EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE (UNDP/PAPP) |
| | PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: |
| | CONSULTANT: مرکزالسند سدة والتخطيط center for engineering and planning |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B6) |
| | DRAWING TITLE: BEAMS DETAILS OF TYPICAL SLAB (3/3) |
| B (3/3) | DRAWING NO.: RE-S-018 |
| AS SHOWN | DATE: APRIL 2011 SCALE: AS SHOWN |

SCALE: A







★ 0.40 - ★

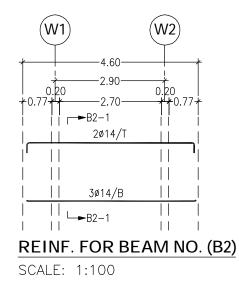
7 2ø14 2ø14

SCALE: 1:25

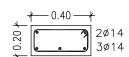
0.20

REINF. FOR BEAM NO. (B1)

SCALE: 1:100







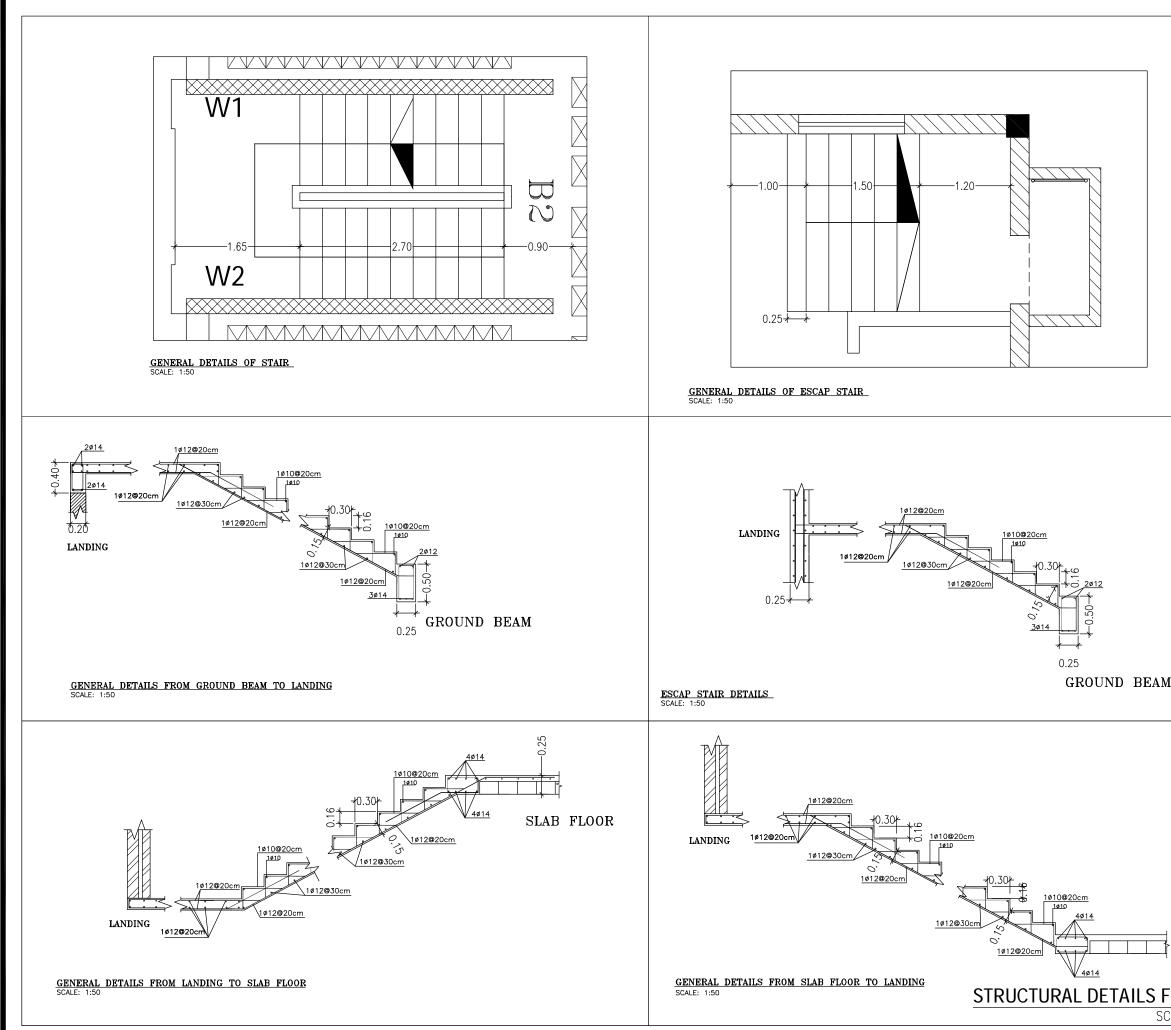


ST. 1ø10@7.5cm-ENDS ST. 1ø10@15cm-MIDDLE

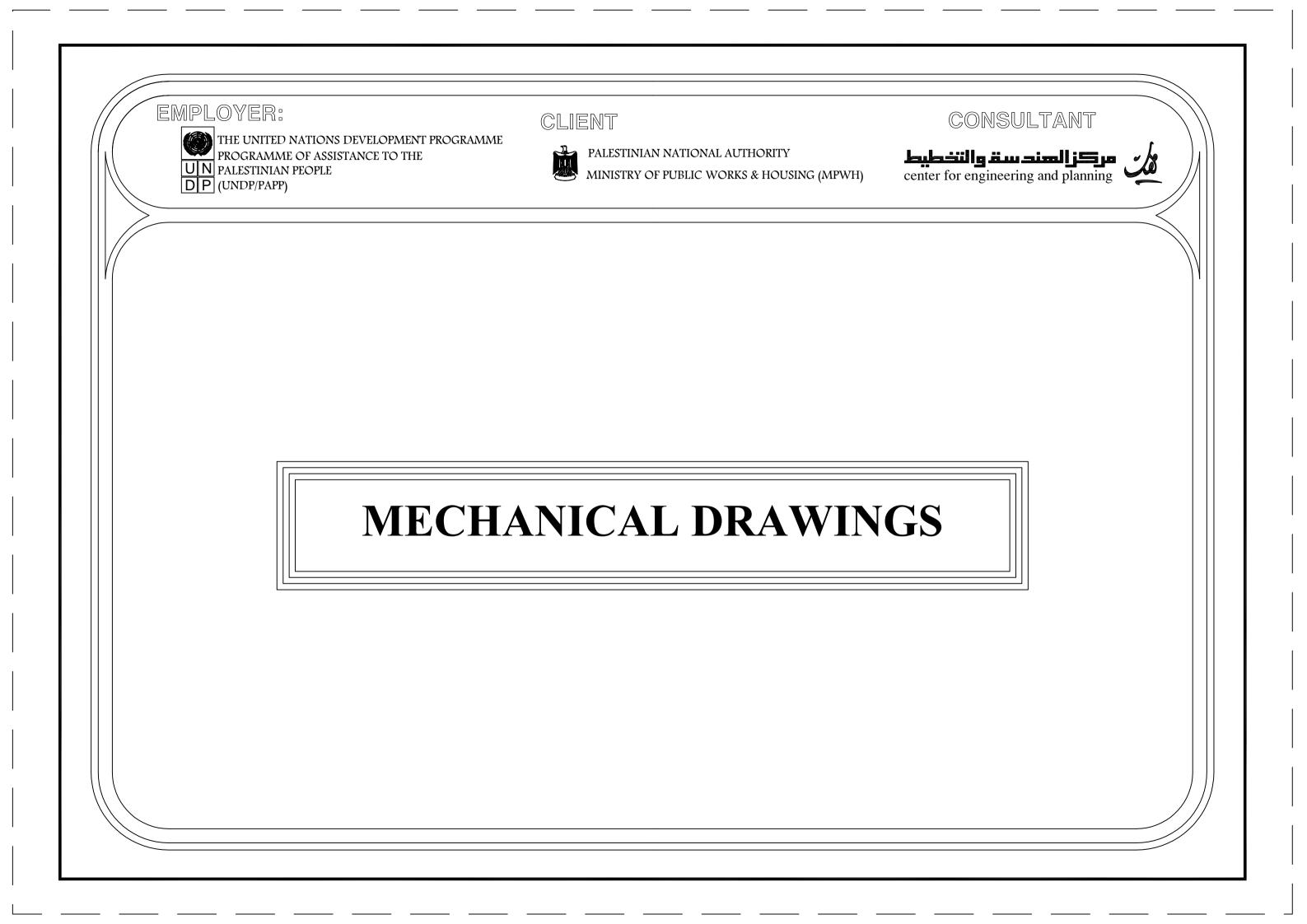
NOTES :-

| | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP |
|--|--|
| | DRAWINGS FOR ENGINEER BEFORE START WORKS. – ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE |
| | AND OTHER STRUCTURAL DRAWINGS - IF THERE IS ANY DISCREPANCY IN DRAWINGS, |
| | THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. |
| | CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1-COAT PRIMER AND 2-COATS OF HOT BITUMEN. |
| | DESIGN CODE IS ACI 318-08. STEEL BARS PROVIDED BY CONTRACTOR |
| | (G420) Fy=420 MPa. - CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH Fcu AS: |
| | -FOR R.C. COLUMNS & WALLS = 35 MPa -FOR R.C. SLAB = 30 MPa -FOR R.C. FOOTINGS = 30 MPa |
| | -FOR R.C. LINTELS=25 MPa-FOR PLAIN CONCRET=20 MPa |
| | STEEL COVERS: FOR FOOOTINGS (CAST AGAINST SOIL) =7.5 cm |
| | (FOR PROTECTED CONCRETE) =5.0 cm -FOR COLUMNS AND BEAMS =4.0 cm |
| | -FOR WALLS =5.0 cm -FOR SLABS =2.5 cm |
| | MIN. LAP FOR STEEL BAR = 60cm OR 50 × DIA. BAR WHICH IS GREATER. |
| | T.L. : TOTAL LENGTH. FOUNDATIONS & COLUMNS ARE DESIGNED FOR UNDERGROUND, GROUND, & 3 STORIES. |
| | - SOIL BEARING CAPACITY IS: 200 KN/m ² . |
| | |
| | |
| | FOR TENDER ONLY |
| | CLIENT: |
| | |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE DP (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE UIN PALESTINIAN PEOPLE UNDP/PAPP) PROJECT TITLE: |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE UIN PALESTINIAN PEOPLE UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE UIN PALESTINIAN PEOPLE UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Lybuiling & understanding for |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Lybuilding Baux simplify for center for engineering and planning |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Laghadillag and planning CONSULTANT: Laghadillag and planning CONSULTANT: Mathematical String and Planning CONSULTA |

SCALE: AS SHOWN



| | <u>NOTES :-</u> |
|------------|---|
| | IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE AND OTHER STRUCTURAL DRAWINGS IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1-COAT PRIMER AND 2-COATS OF HOT BITUMEN. DESIGN CODE IS ACI 318-08. STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH Fcu AS: -FOR R.C. CLUMNS & WALLS =35 MPa -FOR R.C. SLAB = 30 MPa -FOR R.C. SLAB = 30 MPa -FOR R.C. FOOTINGS = 30 MPa -FOR R.C. FOOTINGS = 30 MPa -FOR R.C. GOUTINGS = 30 MPa -FOR R.C. MINTELS = 25 MPa -FOR R.C. GOUTINGS = 30 MPa -FOR R.C. SLAB = 30 MPA -FOR SLABS = 2.5 cm |
| | |
| | CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) |
| | EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UIN PALESTINIAN PEOPLE DIP (UNDP/PAPP) |
| | PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| | CONSULTANT: مرکزا لسند سق و التخطیط center for engineering and planning |
| | BUILDING NAME: RESIDENTIAL BUILDING NO. (B6) |
| SLAB FLOOR | DRAWING TITLE: STRUCTURAL DETAILS FOR STAIRS |
| OR STAIRS | DRAWING NO.: RE-S-020 |
| | DATE: APRIL 2011 SCALE: AS SHOWN |



EMPLOYER:



THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE

CLIENT

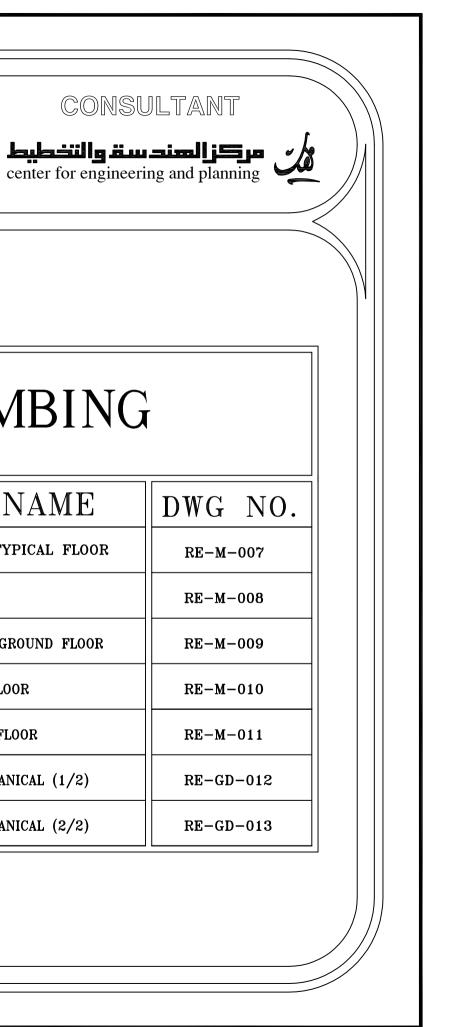


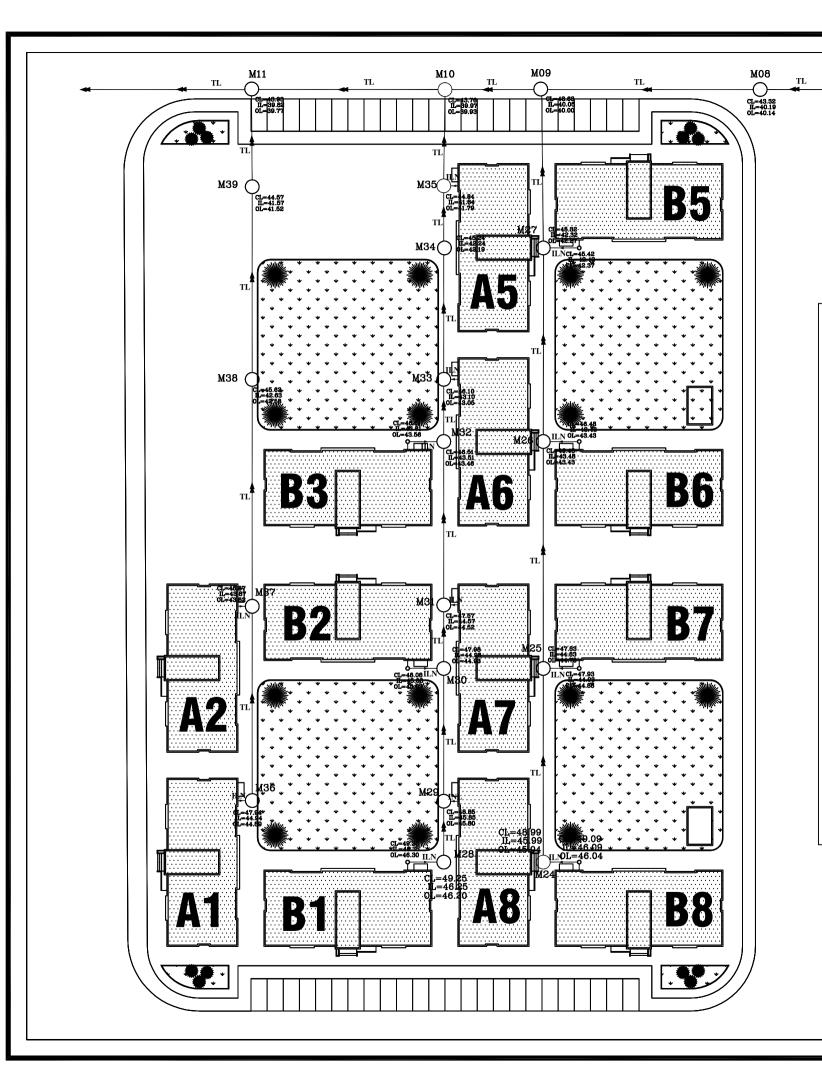
PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUS

MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

LIST OF DRAWINGS FOR PLUMBING

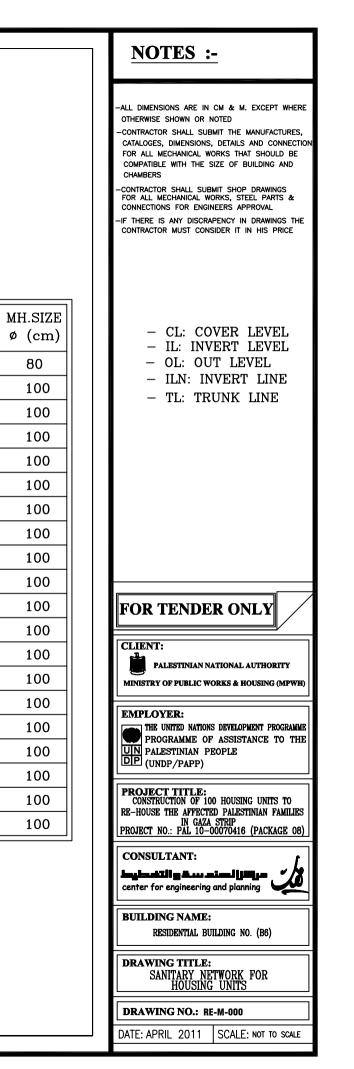
| NO. | DRAWING NAME | DWG NO. | NO. | DRAWING NAME | |
|-----|--|----------|-----|--------------------------------------|--|
| 00 | SANITARY NETWORK FOR HOUSING UNITS | RE-M-000 | 07 | SANITARY NETWORK FOR TYPICAL FLOOR | |
| 01 | SEWER PIPE FOR THE BUILDING | RE-M-001 | 08 | RAIN WATER FOR ROOF PLAN | |
| 02 | WATER NETWORK FOR UNDERGROUND FLOOR | RE-M-002 | 09 | WATER NETWORK FOR UNDERGROUND FLOOR | |
| 03 | WATER NETWORK FOR GROUND FLOOR | RE-M-003 | 10 | WATER NETWORK FORROOF FLOOR | |
| 04 | WATER NETWORK FOR TYPICAL FLOOR | RE-M-004 | 11 | WATER NETWORK FOR ROOF FLOOR | |
| 05 | SANITARY NETWORK FOR UNDERGROUND FLOOR | RE-M-005 | 12 | GENERAL DETAILS FOR MECHANICAL (1/2) | |
| 06 | SANITARY NETWORK FOR GROUND FLOOR | RE-M-006 | 13 | GENERAL DETAILS FOR MECHANICAL (2/2) | |

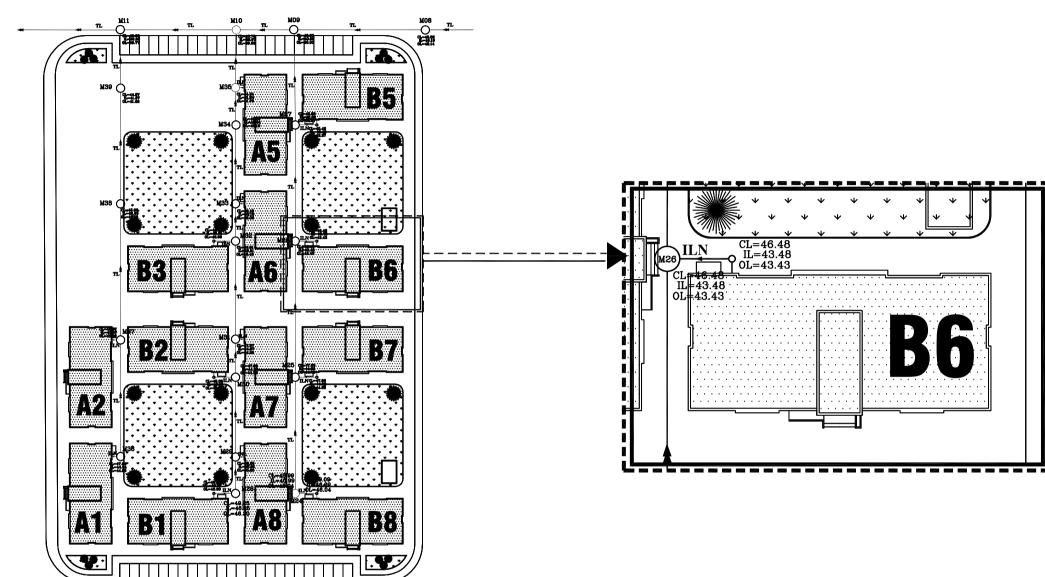




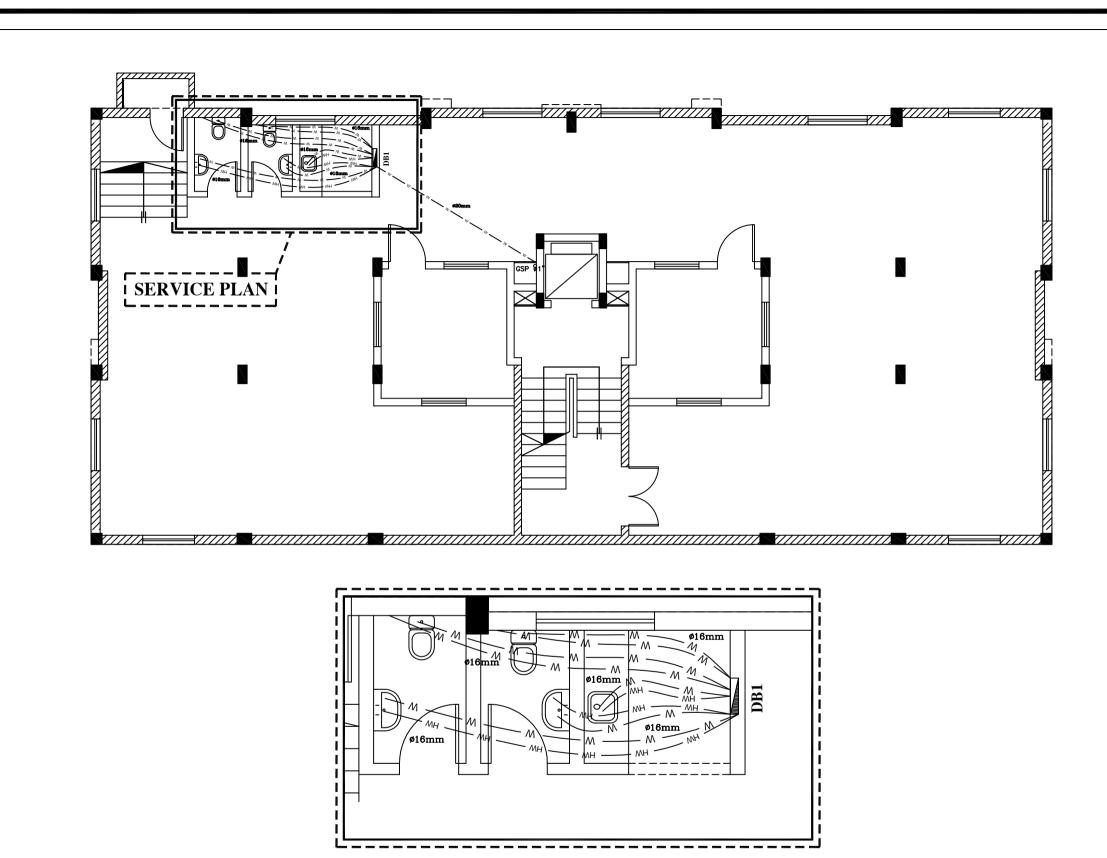
MANHOLES SCHEDULE

| M.No. | COVER LEVEL | INVERT LEVEL | OUTLET LEVEL | DEPTH (m) |
|-------|----------------|-----------------|-----------------|--------------|
| M08 | 43.32 | 40.19 | 40.14 | 3.13 |
| M09 | 43.63 | 40.05 | 40.00 | 3.58 |
| M10 | 43.76 | 39.97 | 39.93 | 3.79 |
| M11 | 43.93 | 39.82 | 39.77 | 4.11 |
| M24 | 48.99 | 45.99 | 45.94 | 3.00 |
| M25 | 47.83 | 44.83 | 44.78 | 3.00 |
| M26 | 46.48 | 43.48 | 43.43 | 3.00 |
| M27 | 45.32 | 42.32 | 42.17 | 3.00 |
| M28 | 49.25 | 46.25 | 46.20 | 3.00 |
| M29 | 48.85 | 45.85 | 45.80 | 3.00 |
| М30 | 47.98 | 44.98 | 44.93 | 3.00 |
| M31 | 47.57 | 44.57 | 44.52 | 3.00 |
| M32 | 46.51 | 43.51 | 43.46 | 3.00 |
| М33 | 46.10 | 43.10 | 43.05 | 3.00 |
| M34 | 45.24 | 42.24 | 42.19 | 3.00 |
| M35 | 44.84 | 41.84 | 41.79 | 3.00 |
| M36 | 47.94 | 44.94 | 44.89 | 3.00 |
| M37 | 46.87 | 43.87 | 43.82 | 3.00 |
| M38 | 45.63 | 42.63 | 42.58 | 3.00 |
| M39 | 44.57 | 41.57 | 41.52 | 3.00 |





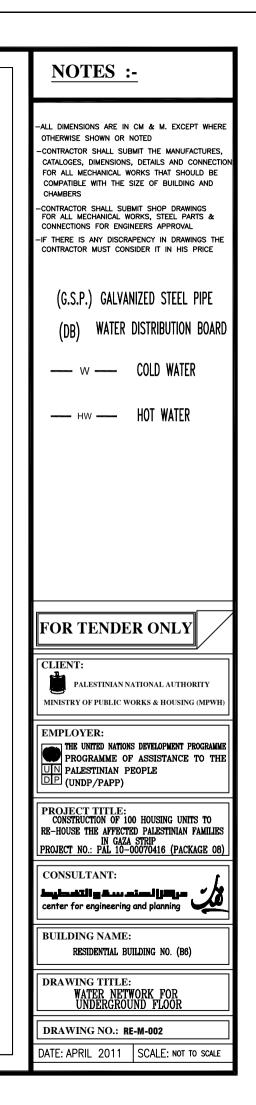
| NOTES :- | |
|---|---|
| -ALL DIMENSIONS ARE IN CM & M. EX OTHERWISE SHOWN OR NOTED -CONTRACTOR SHALL SUBMIT THE MAN CATALOGES, DIMENSIONS, DETAILS AN FOR ALL MECHANICAL WORKS, DETAILS AN FOR ALL MECHANICAL WORKS, STEEL CHAMBERS -CONTRACTOR SHALL SUBMIT SHOP DF FOR ALL MECHANICAL WORKS, STEEL CONNECTIONS FOR ENGINEERS APPRO- IF THERE IS ANY DISCRAPENCY IN DF CONTRACTOR MUST CONSIDER IT IN H | IUFACTURES, D CONNECTION SHOULD BE DING AND RAWINGS PARTS & XVAL RAWINGS THE |
| LEGEND | |
| Sewer Pipe on Profile | |
| Sewer Pipe on Plan | |
| Existing Level | #200mn |
| Design Level | |
| Sewer Manhole On Plan | 0 |
| Manhole Number | - |
| Sewer Manhole On Profile | M30 |
| House | |
| Mosque | R |
| Mosque | ٢ |
| School | |
| TREE | • |
| Grass | |
| FOR TENDER ONL | .Y |
| CLIENT: PALESTINIAN NATIONAL AUT MINISTRY OF PUBLIC WORKS & HOUS | |
| EMPLOYER: THE UNITED NATIONS DEVELOPMEN PROGRAMME OF ASSISTAN UN PALESTINIAN PEOPLE DP (UNDP/PAPP) | |
| PROJECT TITLE: CONSTRUCTION OF 100 HOUSING | UNITS TO |
| RE-HOUSE THE AFFECTED PALESTINI IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (P. | AN FAMILIES |
| RE-HOUSE THE AFFECTED PALESTINI IN GAZA STRIP | AN FAMILIES ACKAGE 08) |
| RE-HOUSE THE AFFECTED PALESTINL IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (P. CONSULTANT: | AN FAMILIES ACKAGE 08) |
| RE-HOUSE THE AFFECTED PALESTINL IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (P. CONSULTANT: Laborating and planning center for engineering and planning BUILDING NAME: | AN FAMILIES ACKAGE 08) |
| RE-HOUSE THE AFFECTED PALESTINL IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (P. CONSULTANT: Descripting Building Parts of Construction center for engineering and planning BUILDING NAME: RESIDENTIAL BUILDING NO. (DRAWING TITLE: | AN FAMILIES ACKAGE 08) |

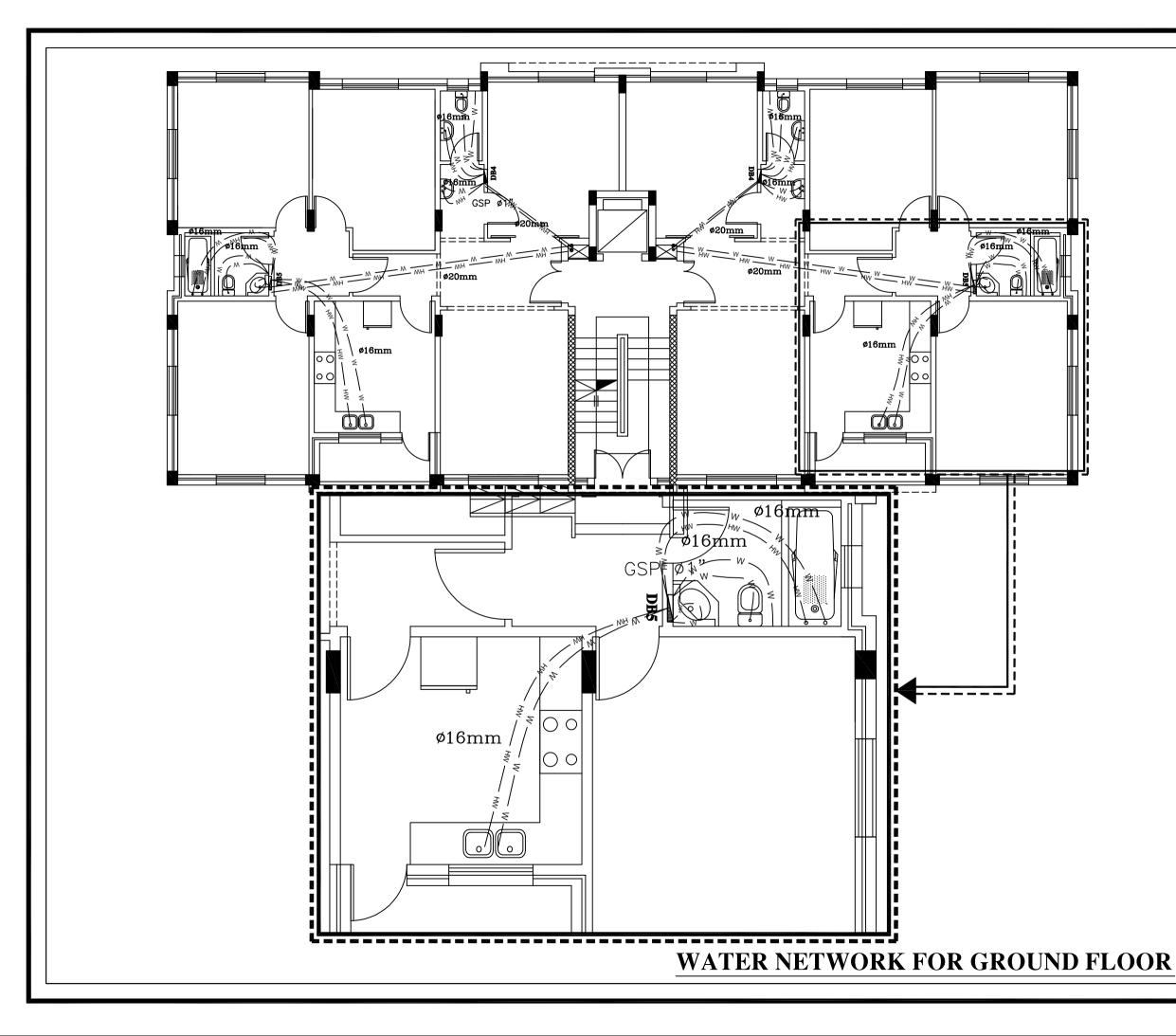


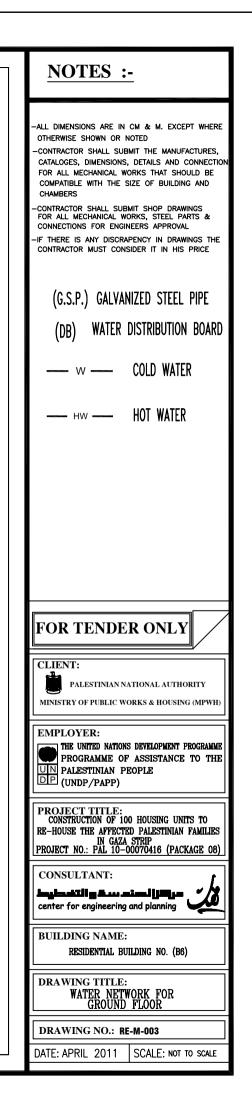
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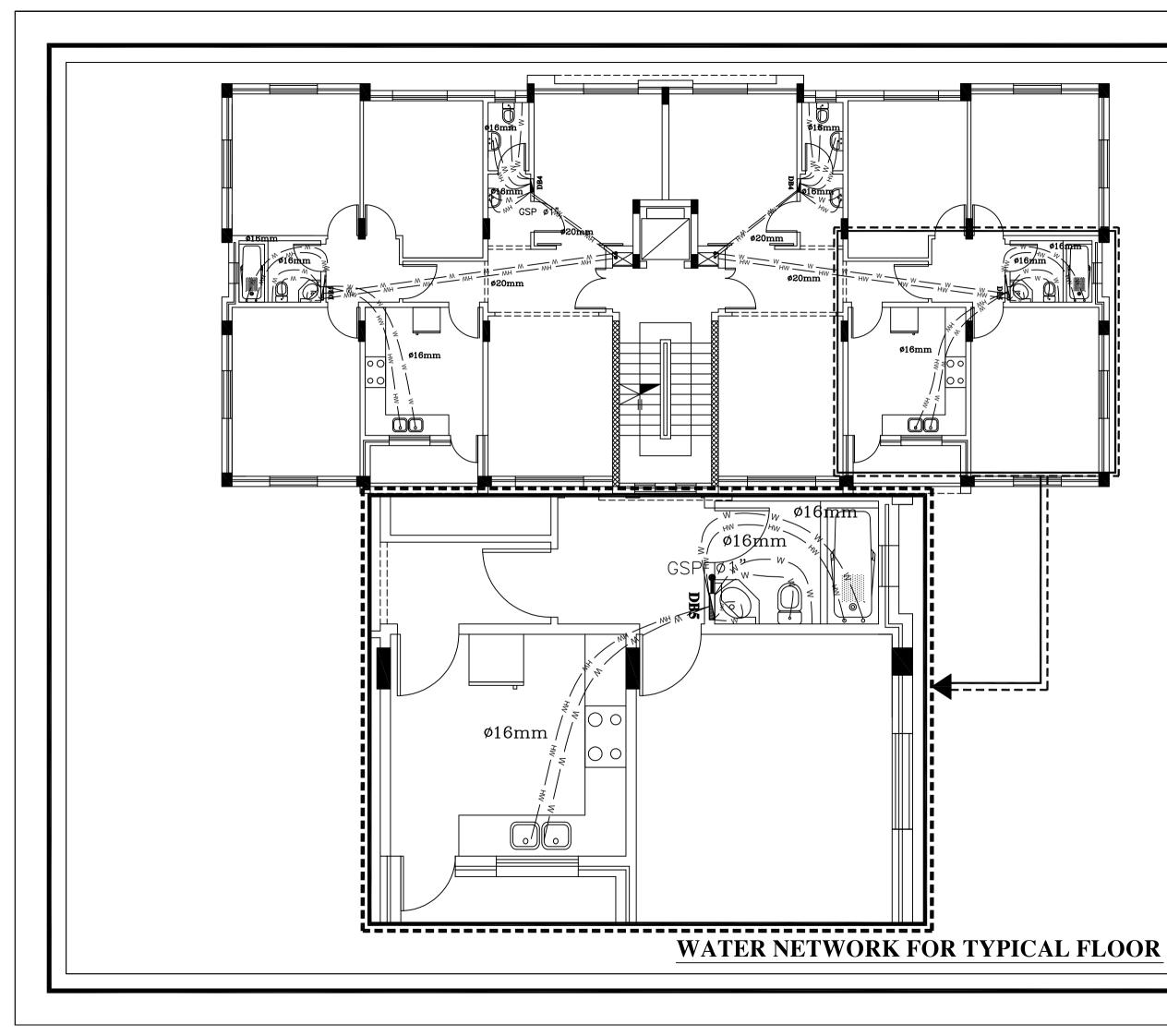
WATER NETWORK FOR SERVICE PLAN

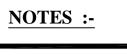
WATER NETWORK FOR UNDERGROUND FLOOR

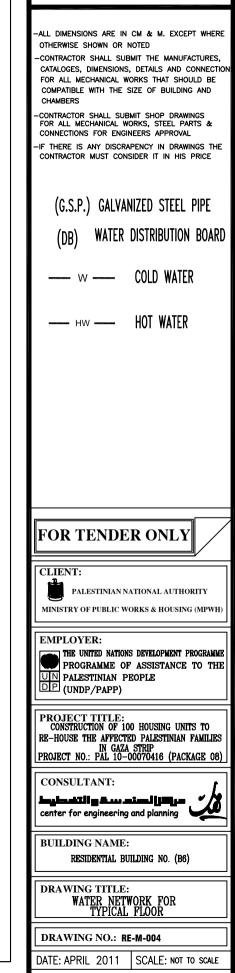


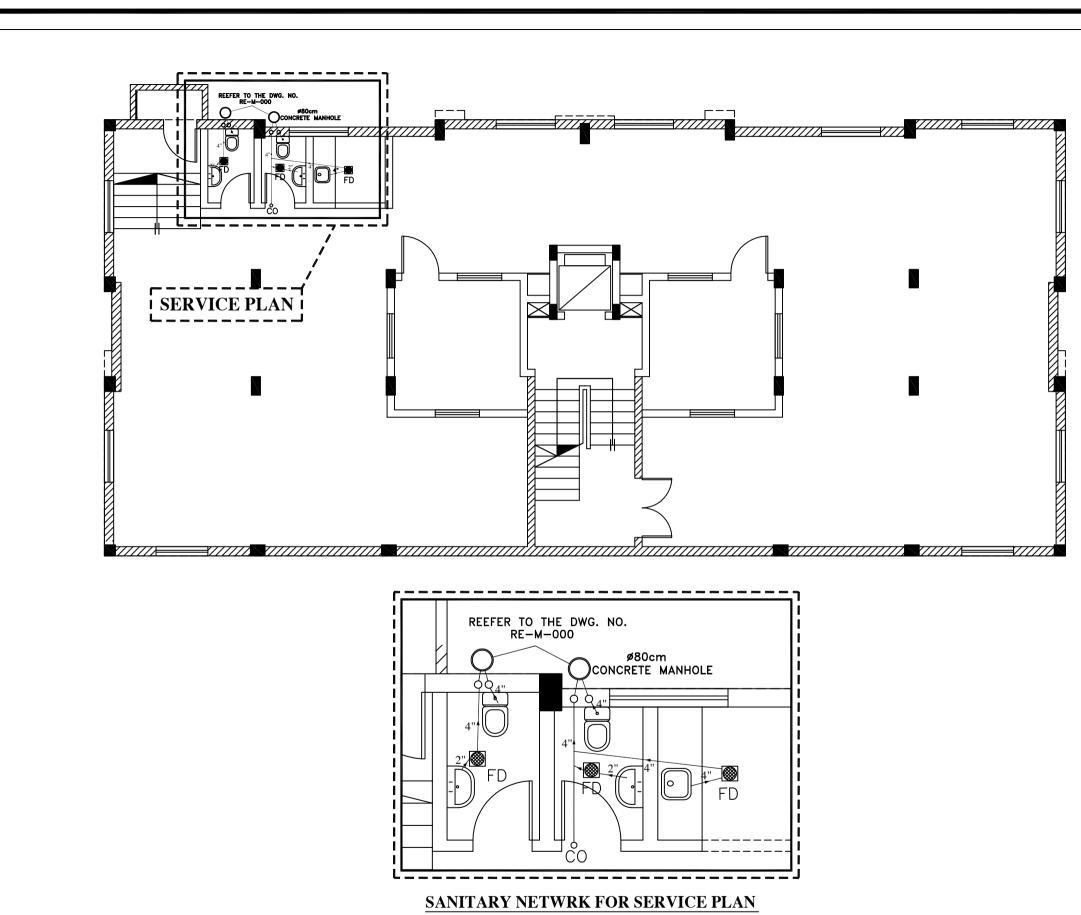






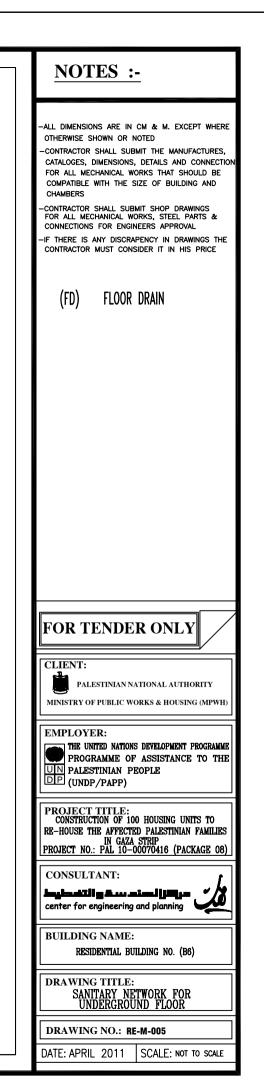


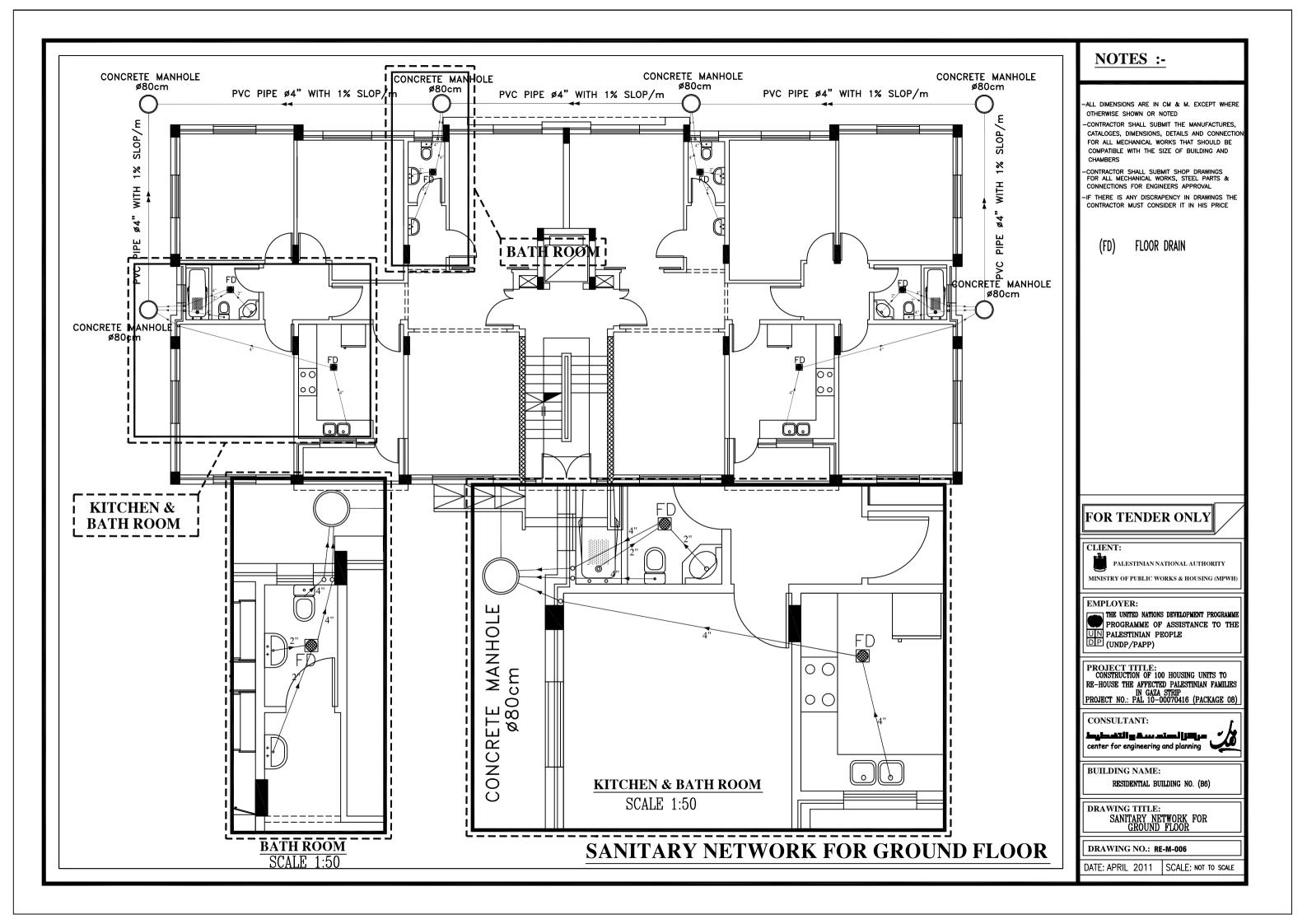


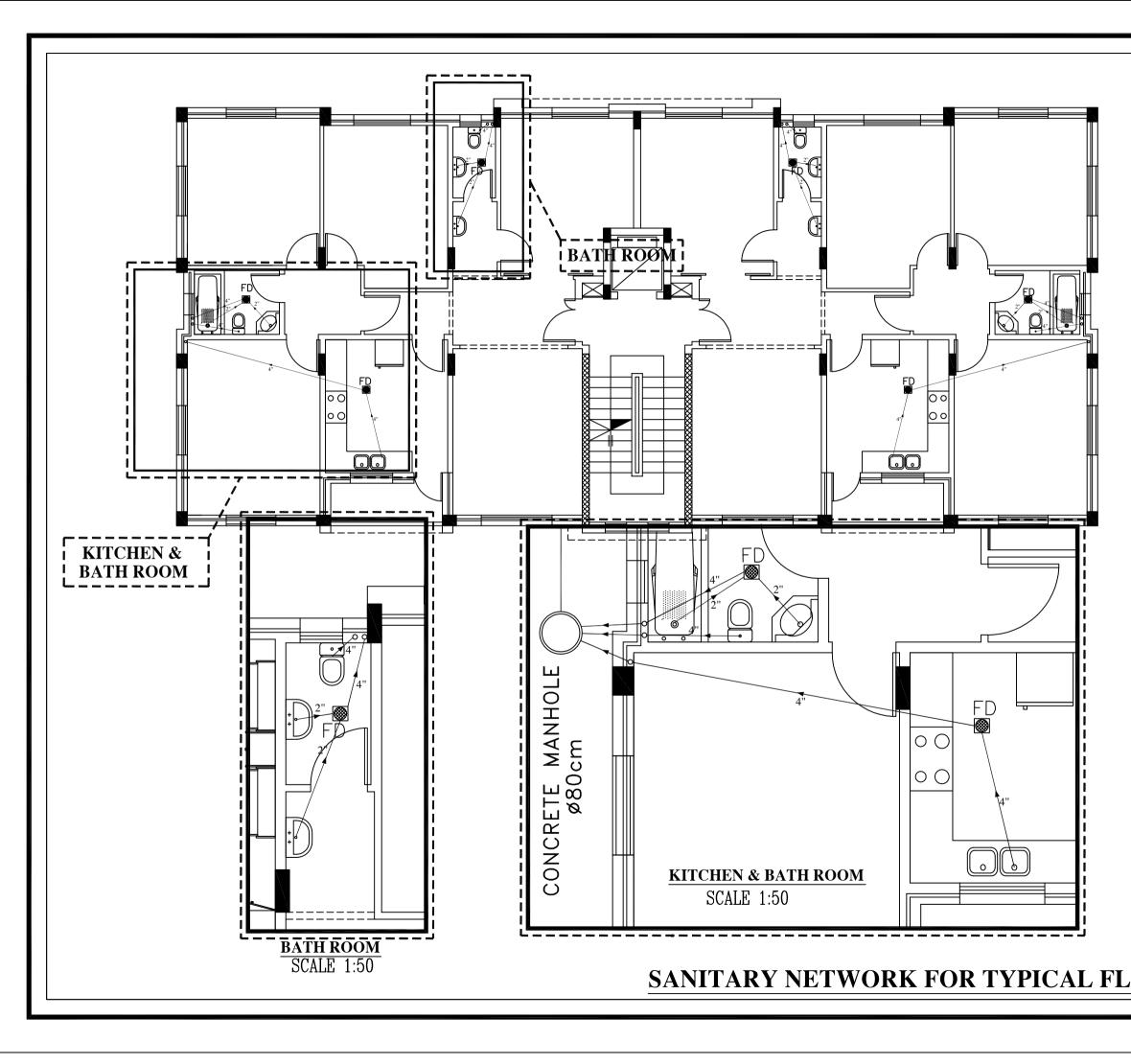


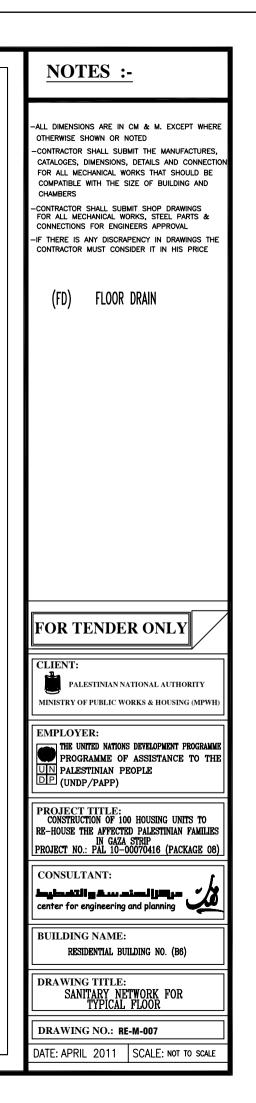
SCALE 1:50

SANITARY NETWORK FOR UNDERGROUND FLOOR

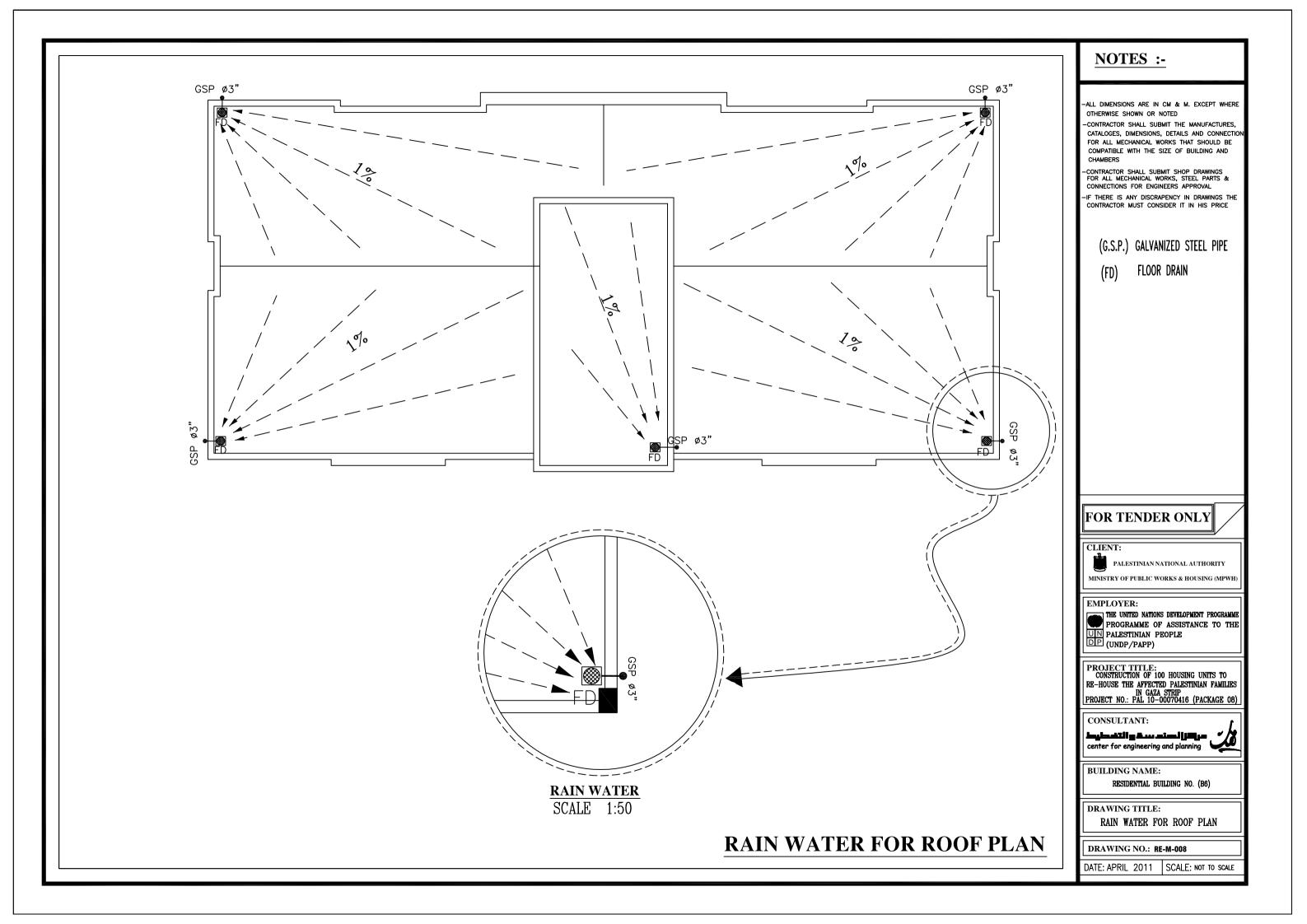


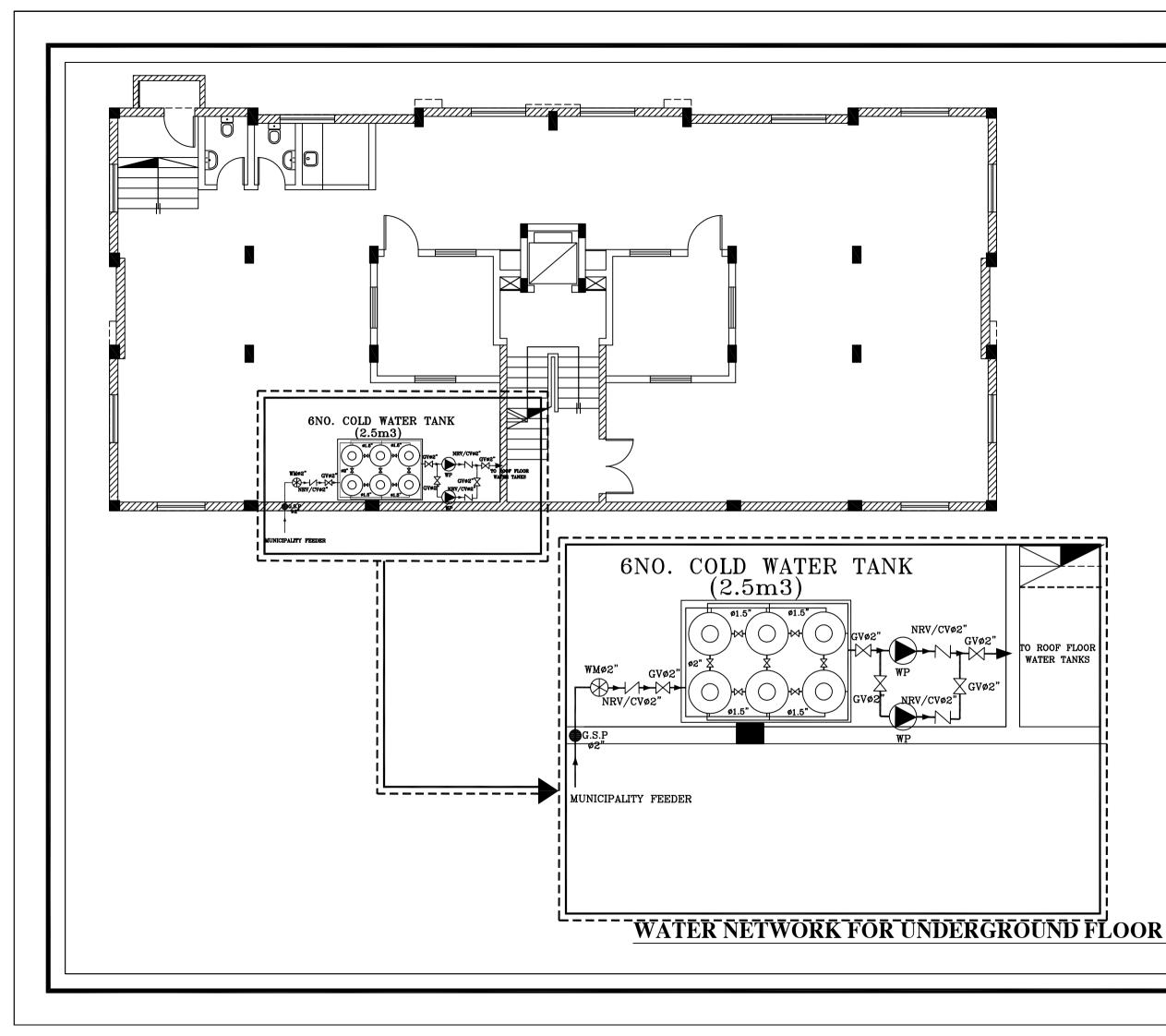


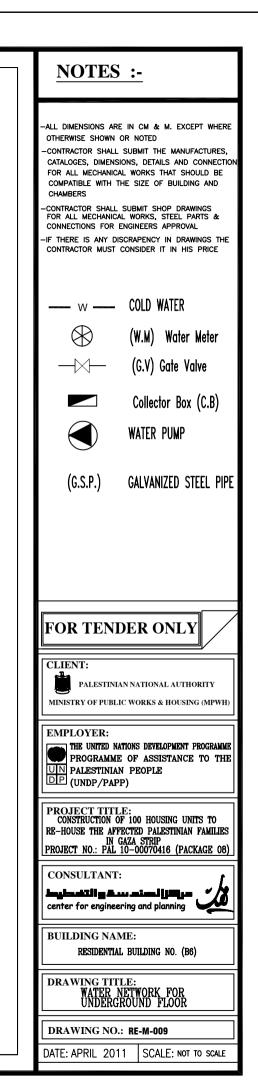


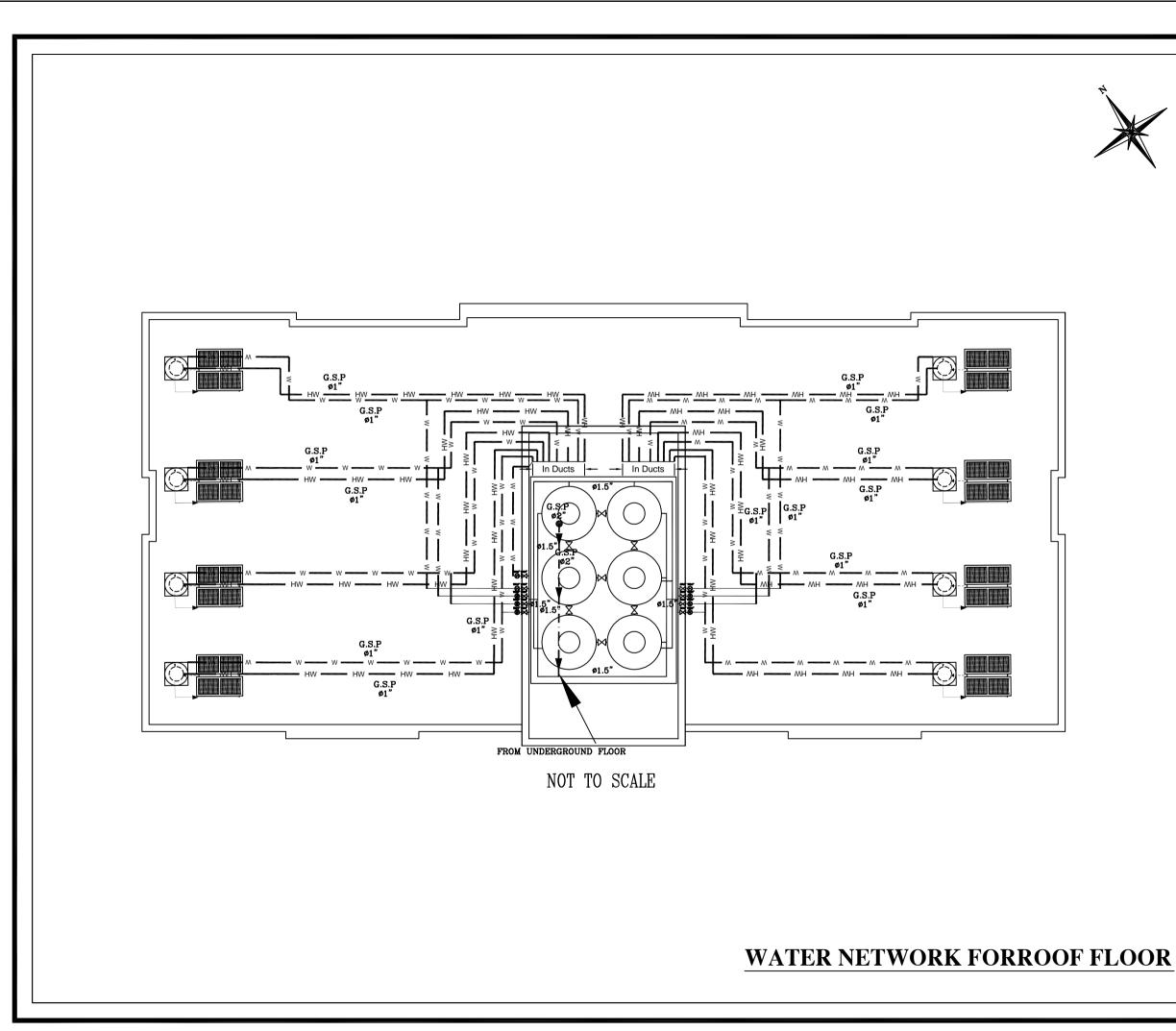


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|-----|---|



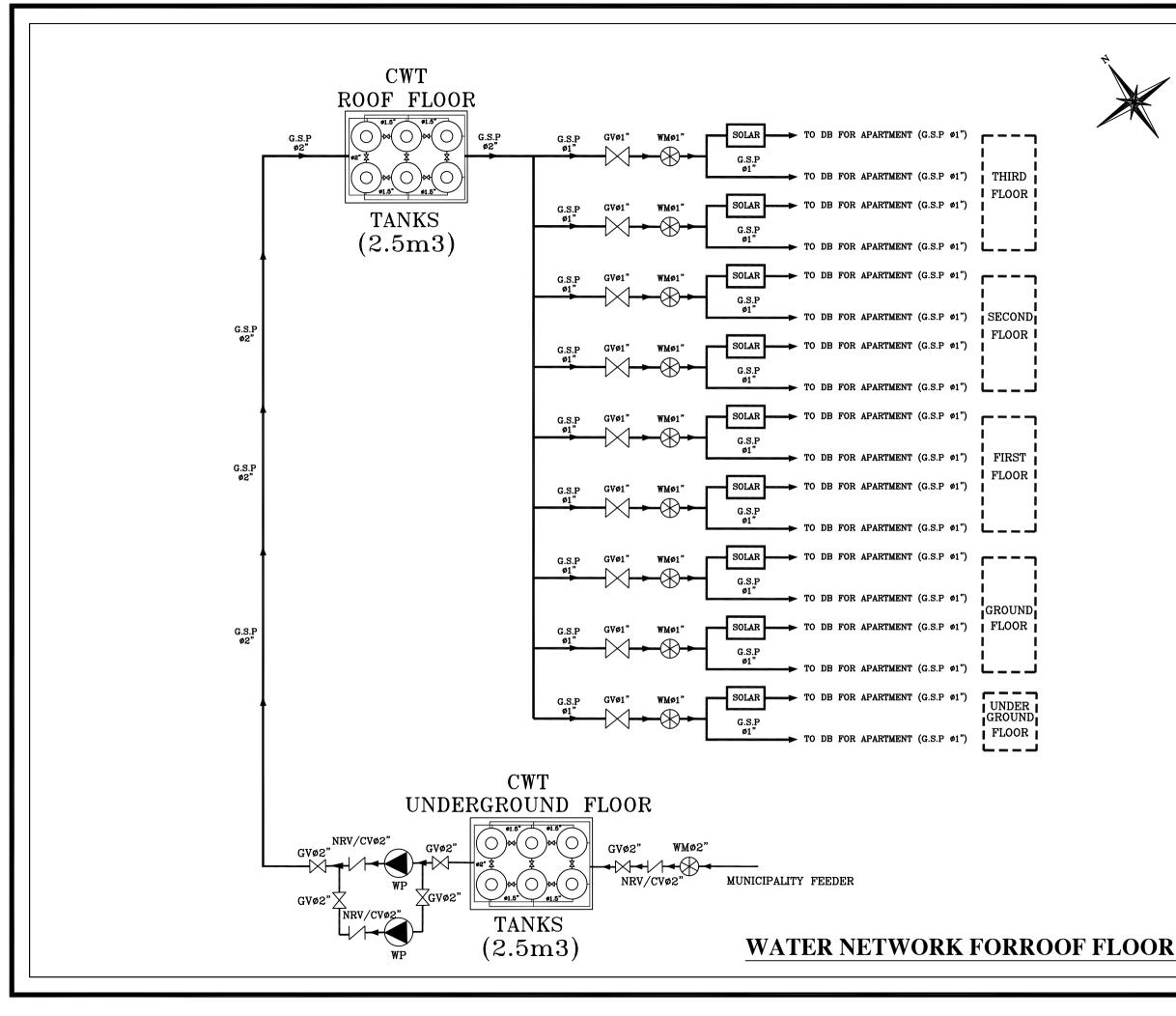




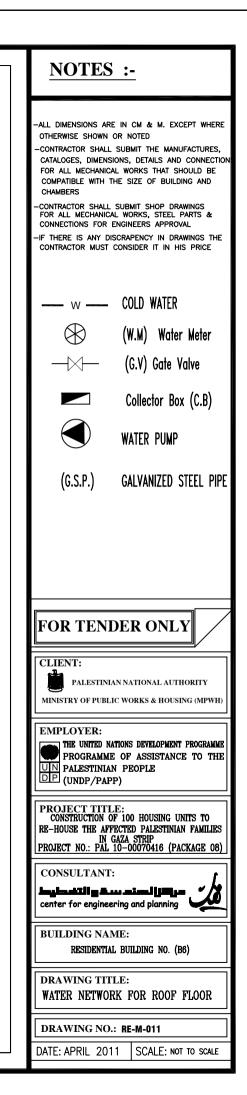


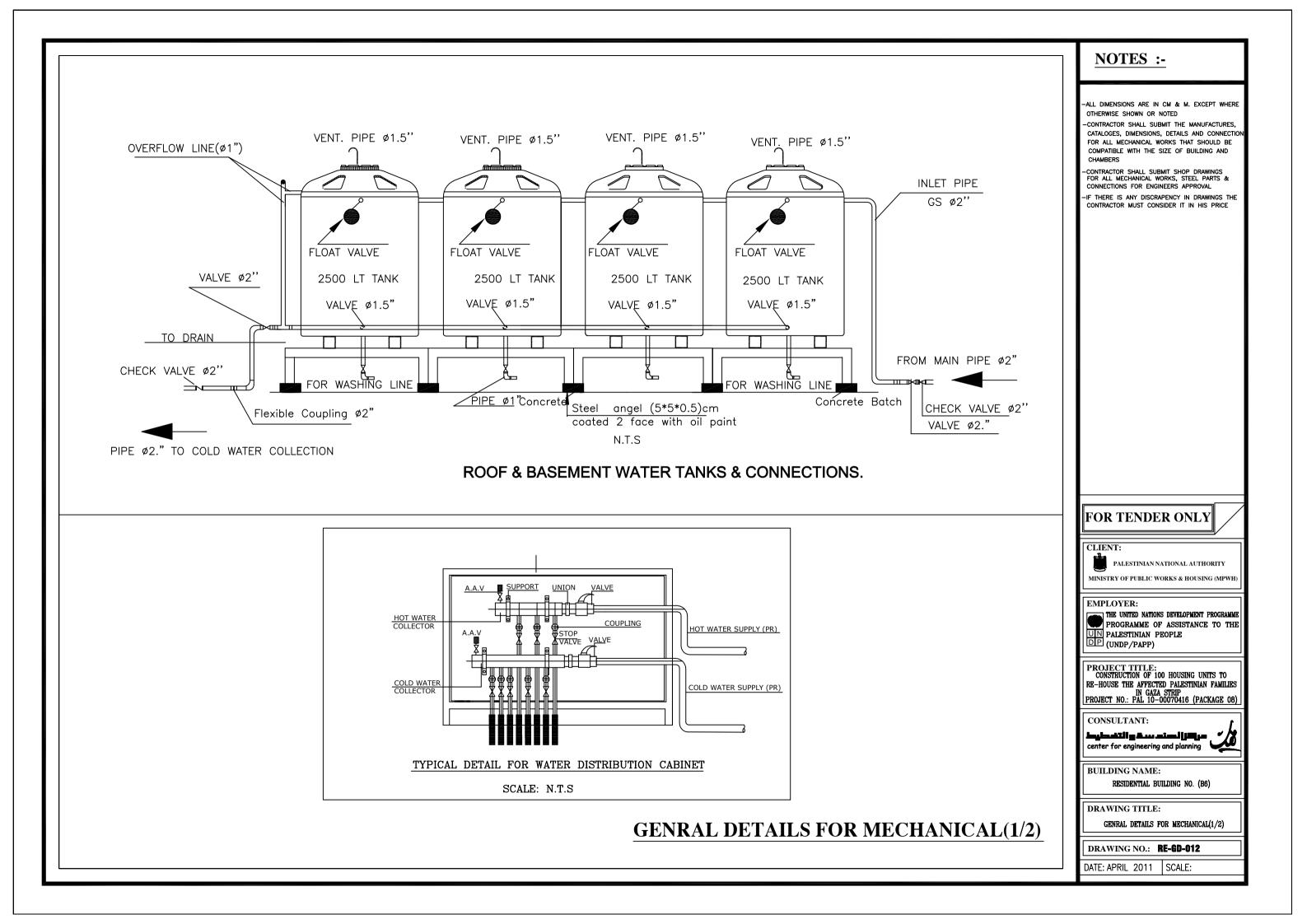


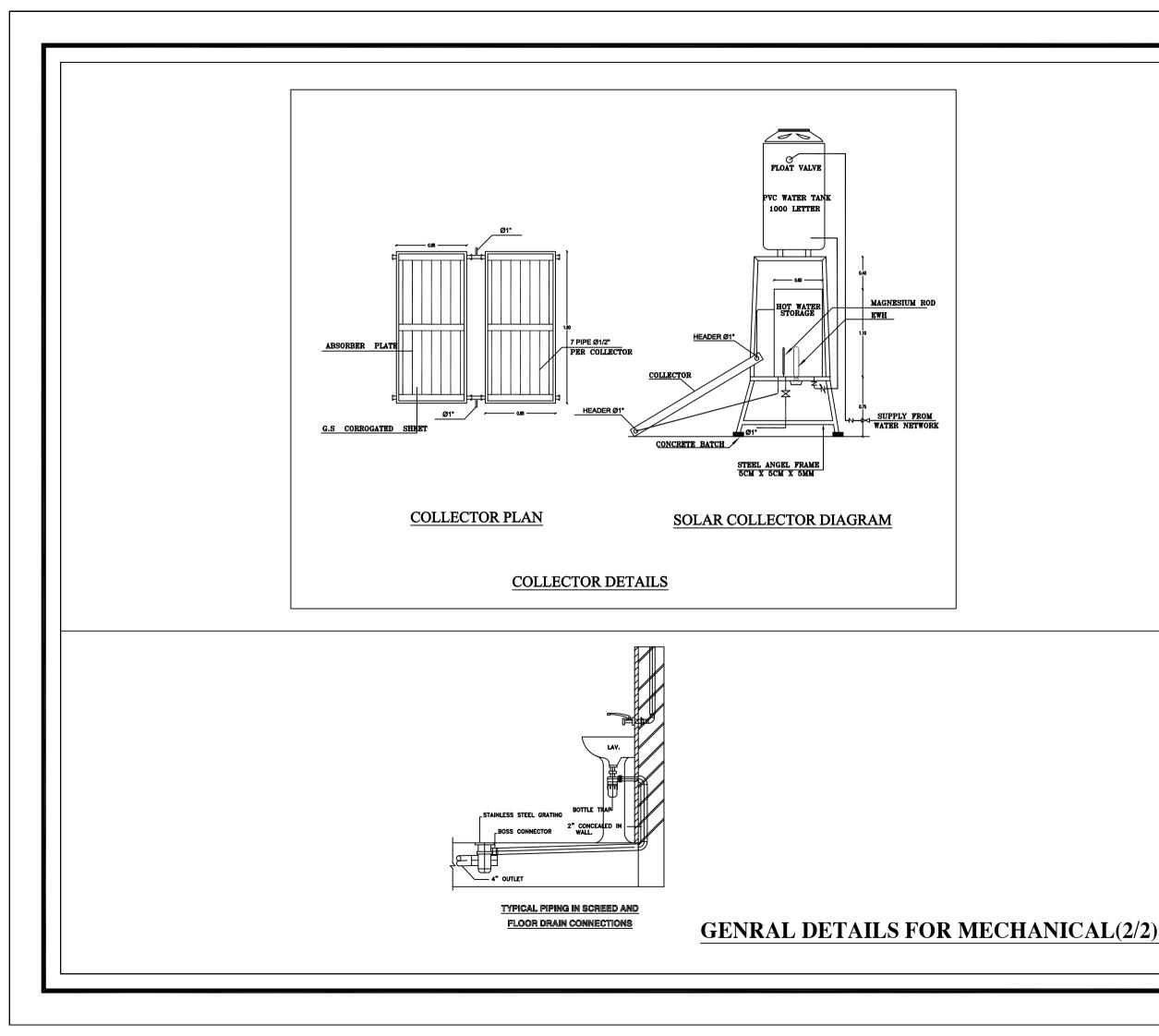
| <u>NOTES :-</u> |
|--|
| -ALL DIMENSIONS ARE IN CM & M. EXCEPT WHERE OTHERWISE SHOWN OR NOTED -CONTRACTOR SHALL SUBMIT THE MANUFACTURES, CATALOGES, DIMENSIONS, DETAILS AND CONNECTION FOR ALL MECHANICAL WORKS THAT SHOULD BE COMPATIBLE WITH THE SIZE OF BUILDING AND CHAMBERS -CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL MECHANICAL WORKS, STEEL PARTS & CONNECTIONS FOR ENGINEERS APPROVAL -IF THERE IS ANY DISCRAPENCY IN DRAWINGS THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE |
| (G.S.P.) GALVANIZED STEEL PIPE (DB) WATER DISTRIBUTION BOARD |
| |
| |
| |
| FOR TENDER ONLY |
| CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) |
| EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE DP (UNDP/PAPP) |
| PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) |
| CONSULTANT: |
| BUILDING NAME: RESIDENTIAL BUILDING NO. (B6) |
| DRAWING TITLE: WATER NETWORK FOR ROOF FLOOR |
| DRAWING NO.: RE-M-010 DATE: APRIL 2011 SCALE: NOT TO SCALE |

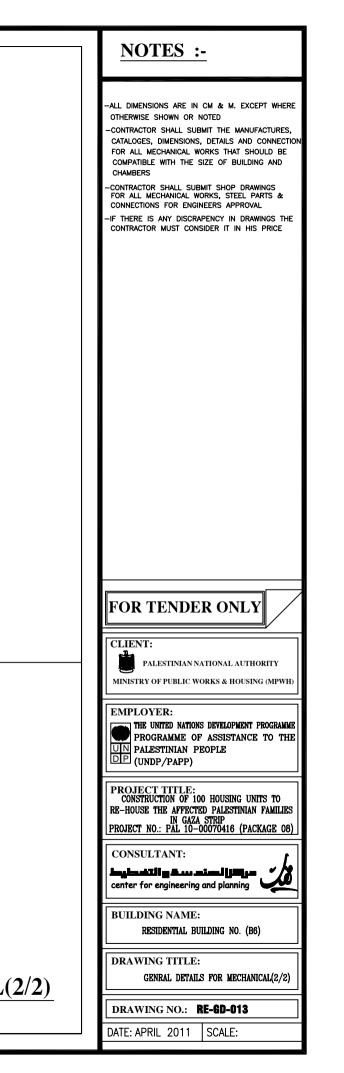


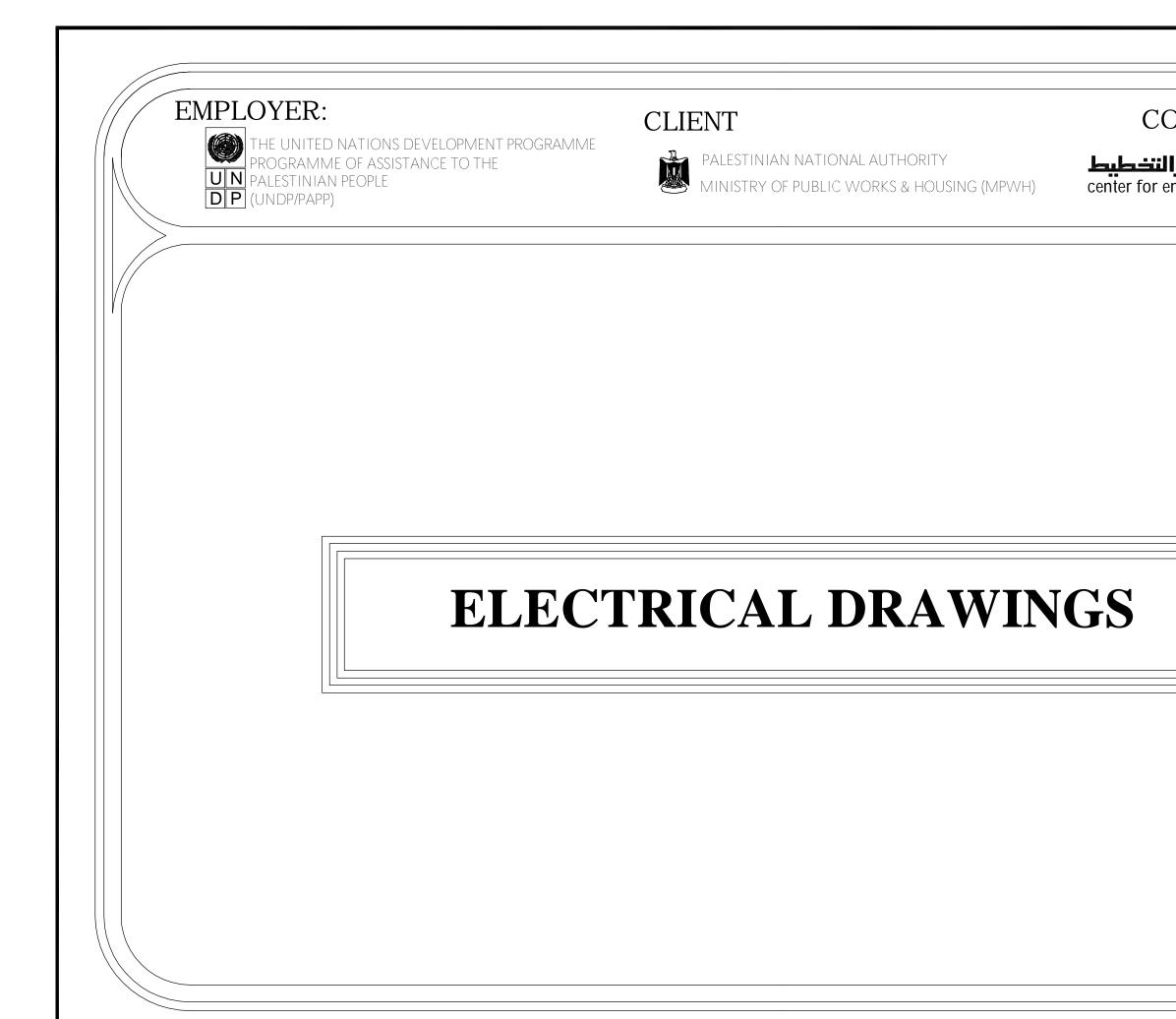














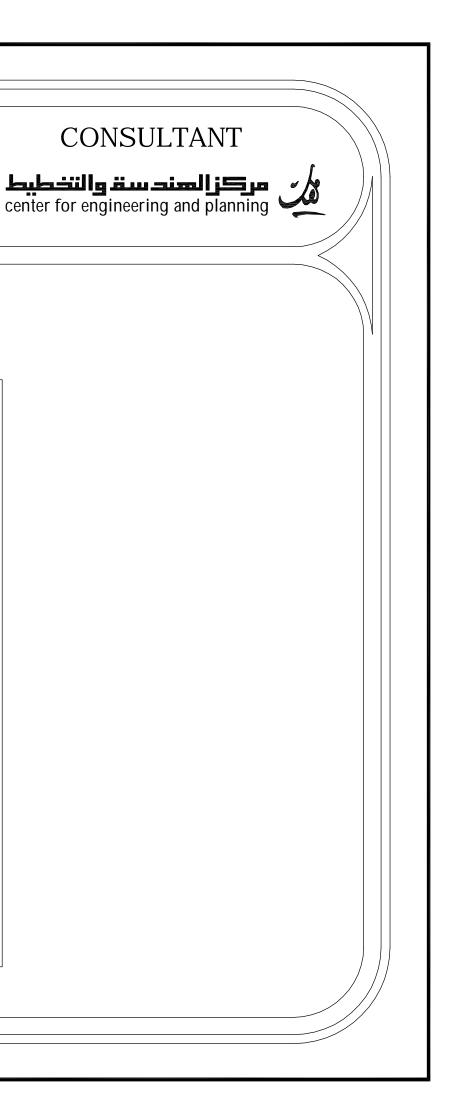


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE DP (UNDP/PAPP)

CLIENT



PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

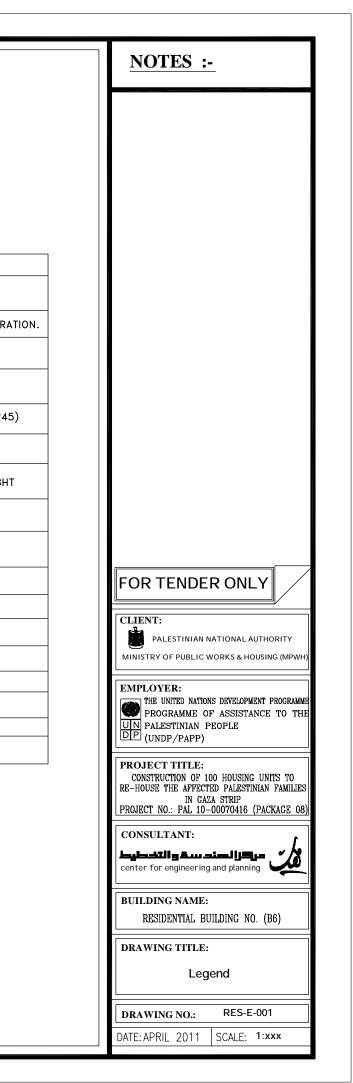


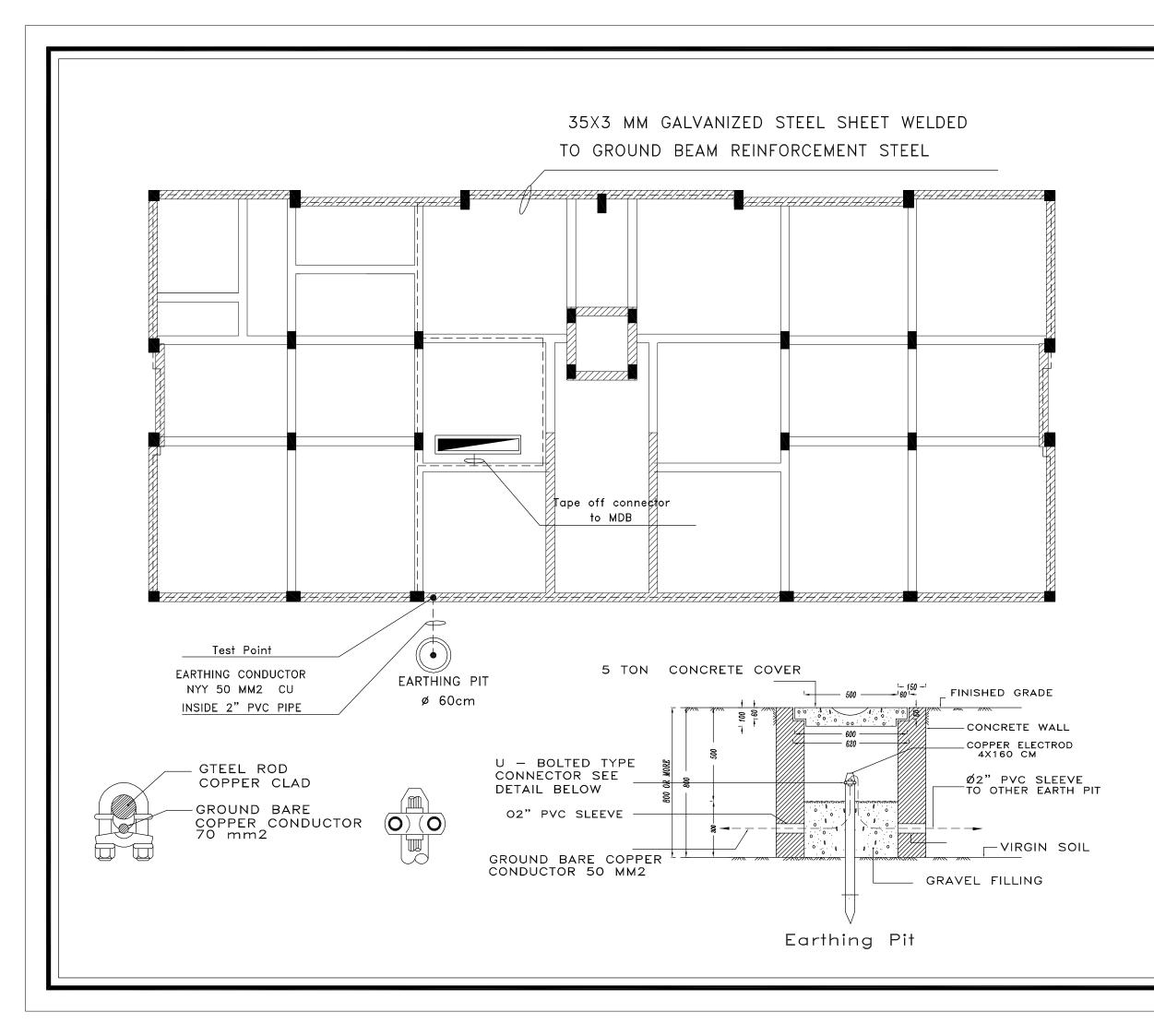
LIST OF DRAWINGS

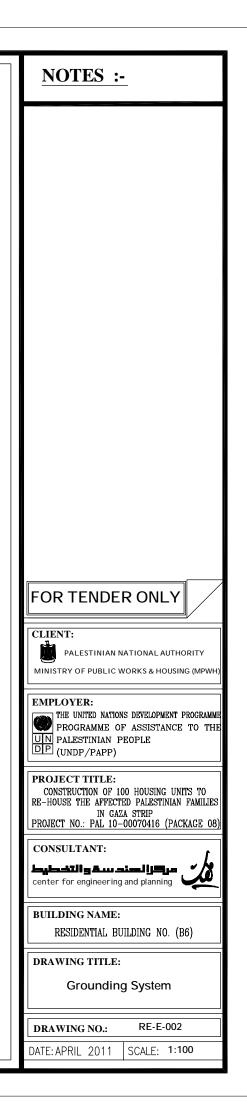
| S/NO. | DRAWING NAME | DRG. NO. |
|-------|---|----------|
| | ELECTRICAL DRAWING | |
| 01/16 | Legend | RE-E-001 |
| 02/16 | Grounding System | RE-E-002 |
| 03/16 | UNDERGROUND FLOOR-Electrical Arrangements | RE-E-003 |
| 04/16 | UNDERGROUND FLOOR-Lighting Fittings Layout | RE-E-004 |
| 05/16 | UNDERGROUND FLOOR-Power Fittings Layout | RE-E-005 |
| 06/16 | GROUND FLOOR-Lighting Fittings Layout | RE-E-006 |
| 07/16 | GROUND FLOOR-Power Fittings Layout | RE-E-007 |
| 08/16 | GROUND FLOOR-Telephone & TV Fittings Layout | RE-E-008 |
| 09/16 | TYPICAL FLOOR-Lighting Fittings Layout | RE-E-009 |
| 10/16 | TYPICAL FLOOR-Power Fittings Layout | RE-E-010 |
| 11/16 | TYPICAL FLOOR-Telephone & TV Fittings Layout | RE-E-011 |
| 12/16 | TYPICAL FLAT PANEL-DB-G1 Single Line Power Diagram | RE-E-012 |
| 13/16 | UNDERGROUND FLOOR-DB-B Single Line Power Diagram | RE-E-013 |
| 14/16 | UNDERGROUND FLOOR-MDB Main Distribution Board | RE-E-014 |
| 15/16 | Power Cables Riser Diagram | RE-E-015 |
| 16/16 | Telephone Cables Riser Diagram | RE-E-016 |

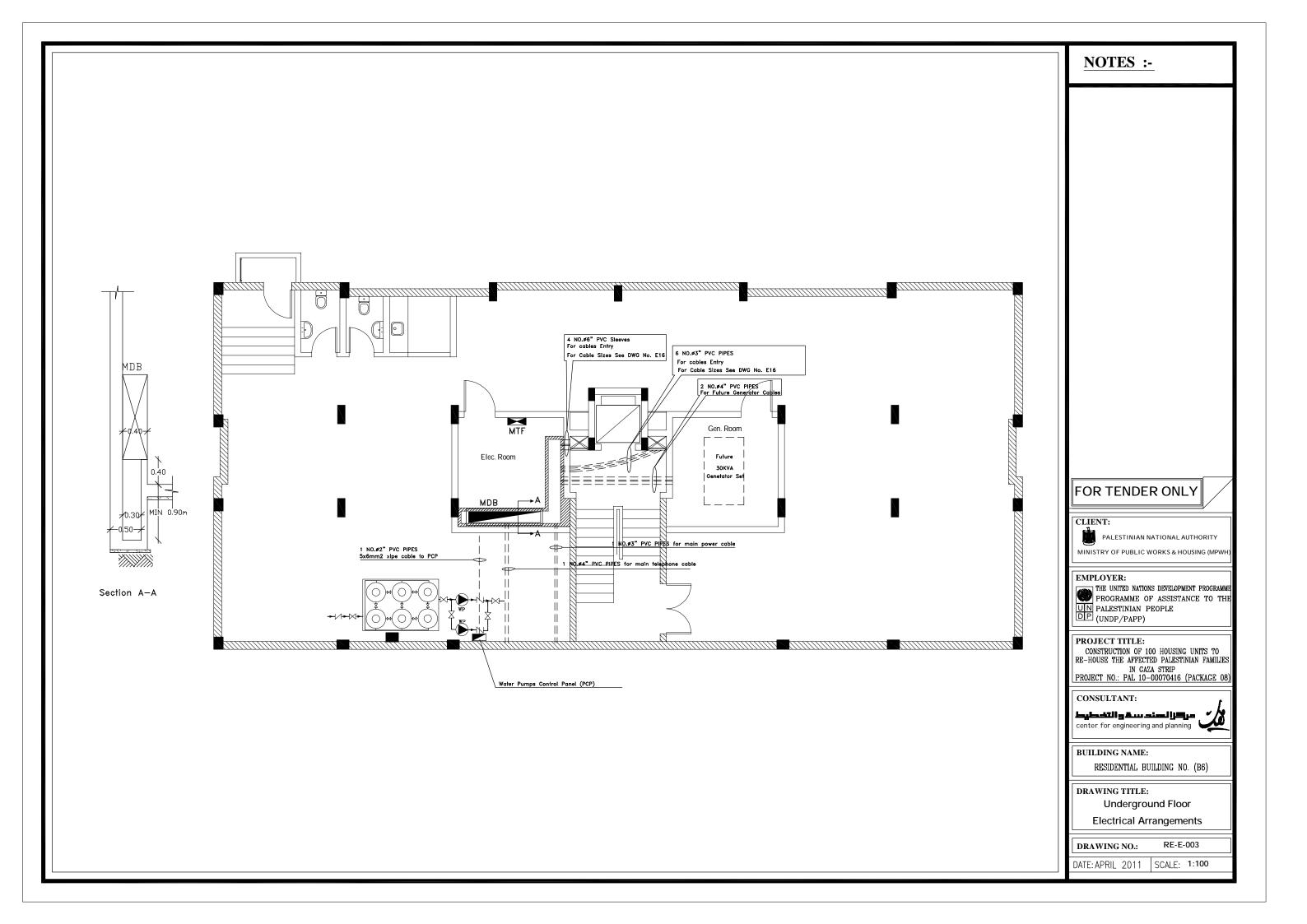
| SYMBOL | DESCRIPTION |
|------------------|--|
| -(| 16A SINGLE PHASE, 3-PIN SOCKET OUTLET H=45CM F.F.F.L |
| -1 | 16A SINGLE PHASE, 3-PIN SOCKET OUTLET, WATER PROOF.IP65 H=140CM F.F.F.L |
| À | 1×20A - 220V AIR CONDITIONING SOCKETOUTLET +CONTROL SWITCH WITH INDICATOR LAMP. H=160CM F.F.F.L |
| # - K | THREE PHASE, SOCKET OUTLET H=140CM F.F.F.L |
| (W.H) | ELECTRICAL WATER HEATER H=180CM F.F.F.L |
| | OUTDOOR A/C UNITS |
| | A/C SPLIT UNIT |
| | SUB-DISTRIBUTION BOARD H=160CM F.F.F.L |
| | MAIN DISTRIBUTION BOARD (MDB) |
| | WALL OR WINDOW MOUNTED EXHAUST FAN |
| \sim | Electrical Bell |
| \square | RJ11 TELEPHONE SOCKET OUTLET. |
| TEL | TELEPHONE JUNCTION BOX H=45CM F.F.L |
| | Intercom Indoor Handle H=160CM F.F.F.L |
| | Intercom Outdoor Panel H=160CM F.F.F.L |
| | TV SOCKET OUTLET H=45CM F.F.F.L |
| TV | TELEPHONE JUNCTION BOX H=45CM F.F.L |
| MTF | MAIN TELEPHONE FRAME H=45CM F.F.L |

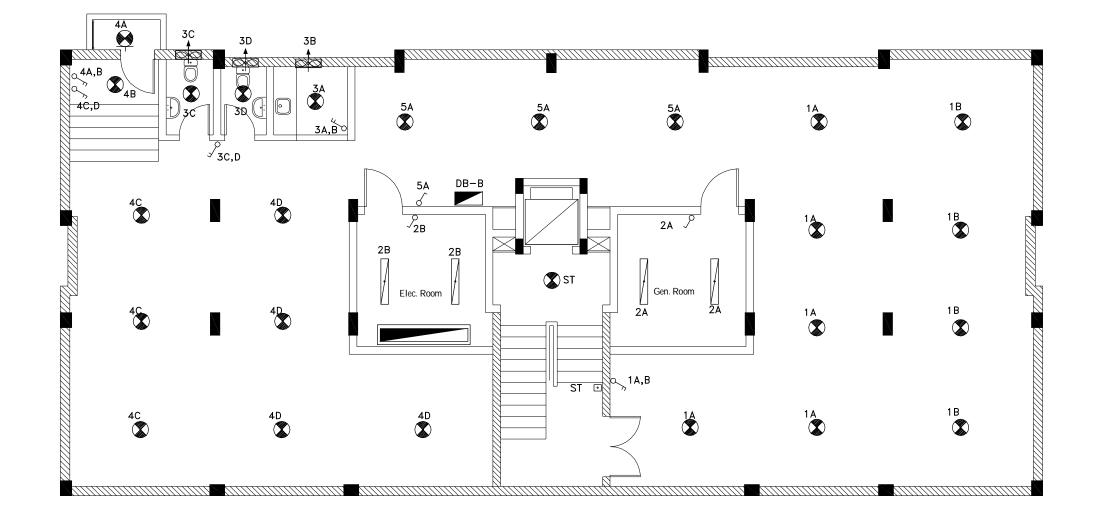
| SYMBOL | DESCRIPTION |
|--------|---|
| | 2x36W SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE WITH OUT REFLECTOR IP20 |
| EM | DITTO BUT WITH BACK UP POWER BUILT IN, FOR 1.5HR DURA |
| | 2x36W SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE WATER PROOF IP65 |
| EM | 2x36W SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE WATER PROOF IP65 |
| | 26W COMPACT FLUORESCENT SURFACE MOUNTED LIGHT (IP45 |
| - | DITTO BUT WALL MOUNTED |
| -18 | 10W INCANDESCENT WALL MOUNTED DECORATIVE NIGHT LIGHT |
| | CHNDELIER |
| 6 | 1-GANG LIGHTING SWITCH, ONE WAY 16A |
| 6 | DITTO BUT WATER PROOF IP 65 . |
| 6 | 2-GANG LIGHTING SWITCH, ONE WAY 16A |
| 6 | DITTO BUT WATER PROOF IP 65 . |
| F | 3-GANG LIGHTING SWITCH, ONE WAY 16A |
| J. | DITTO BUT WATER PROOF IP 65 . |
| Å | 2-WAY LIGHTING SWITCH, 16A |
| Å | DITTO BUT WATER PROOF IP 65 . |
| • | PUSHBUTTON LIGHTING SWITCH, ONE WAY 10A |
| • | • |

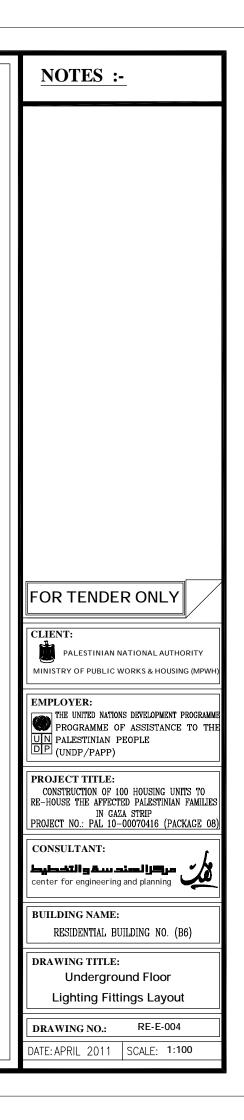


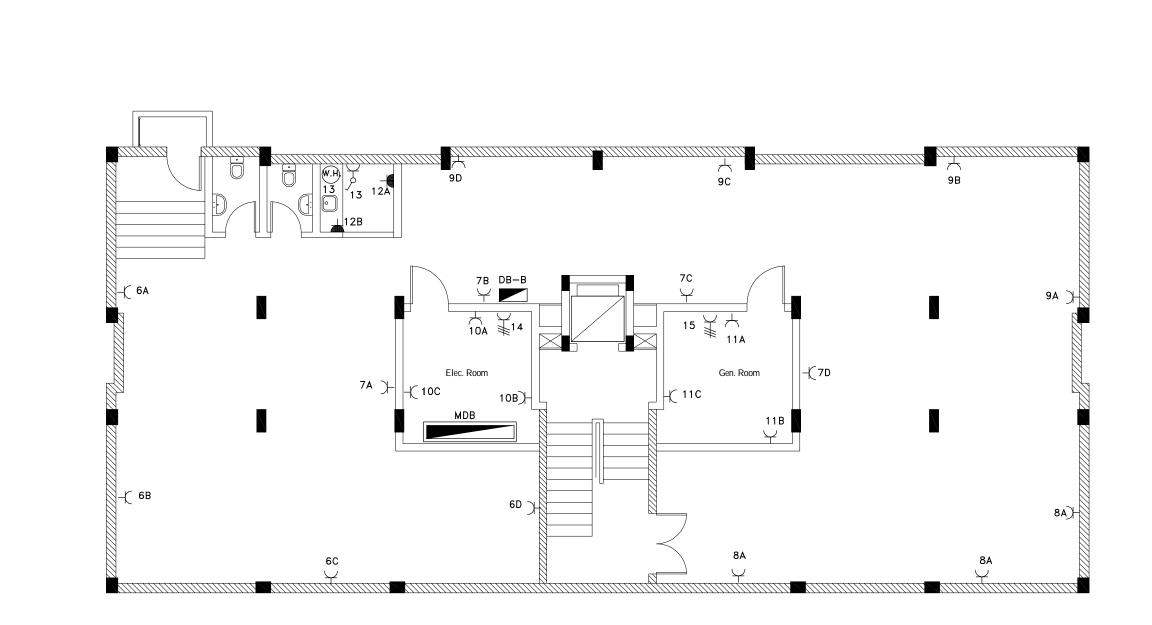


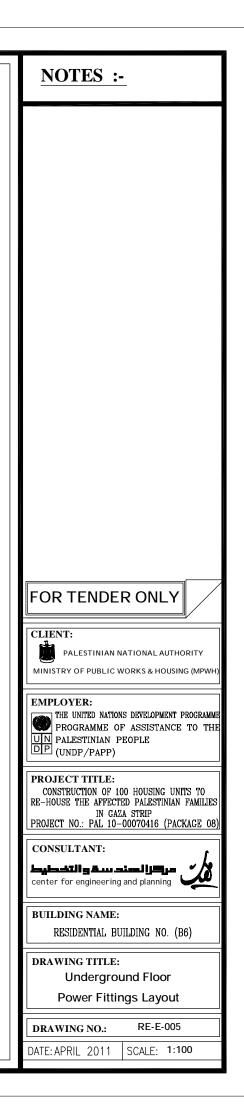


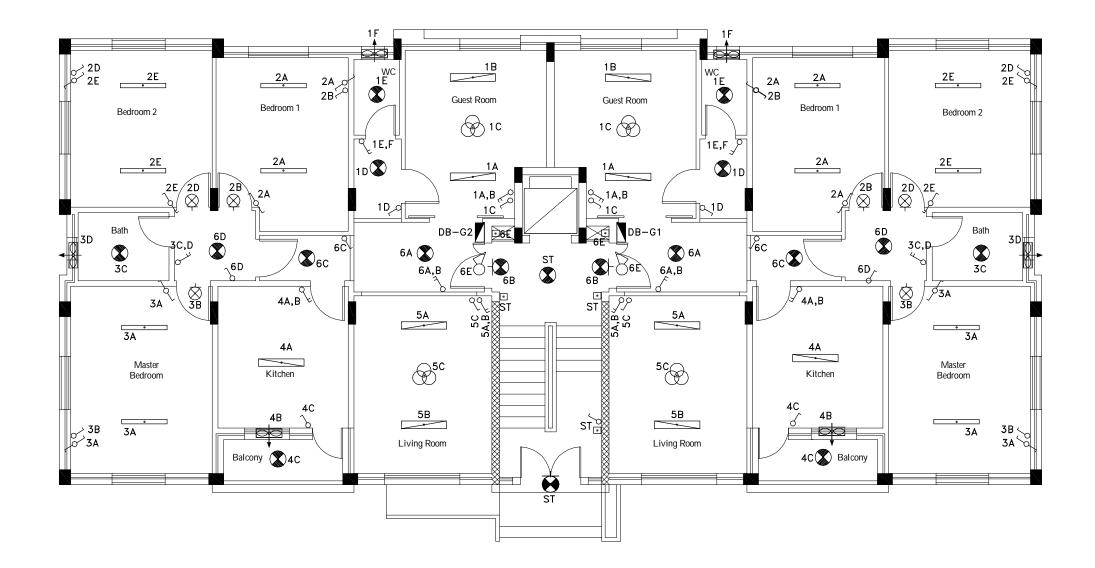


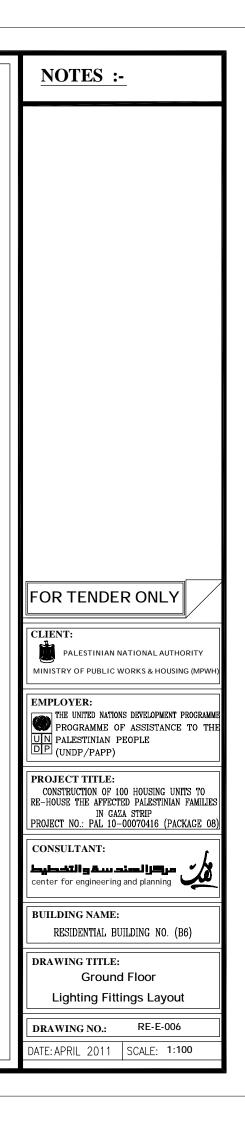


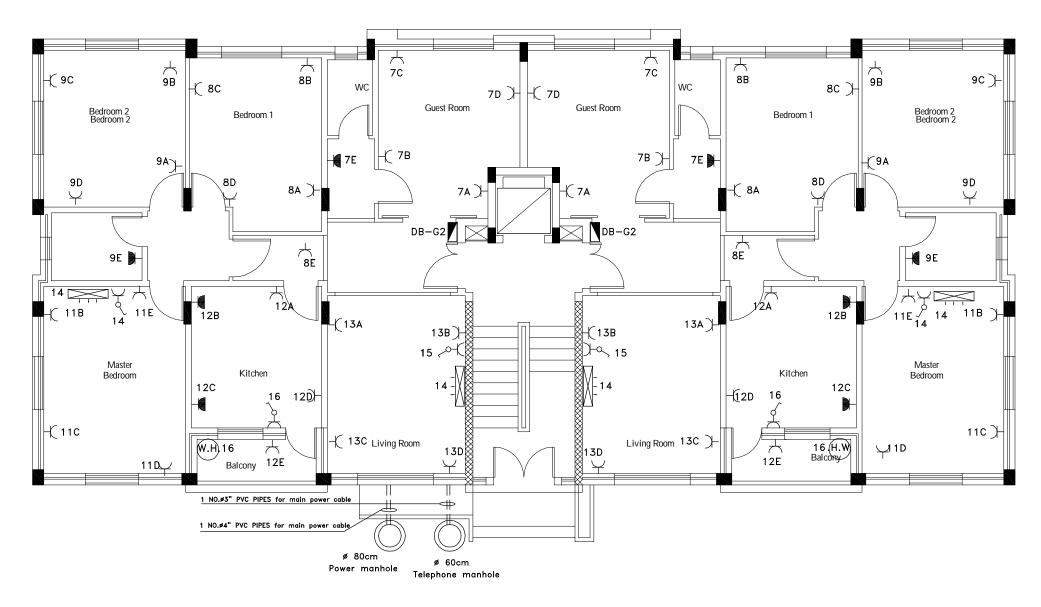


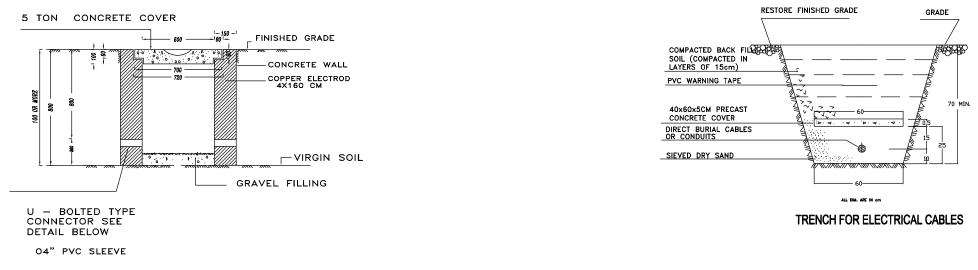




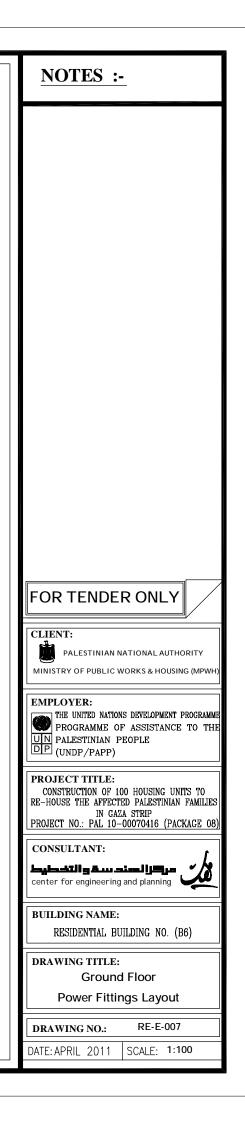


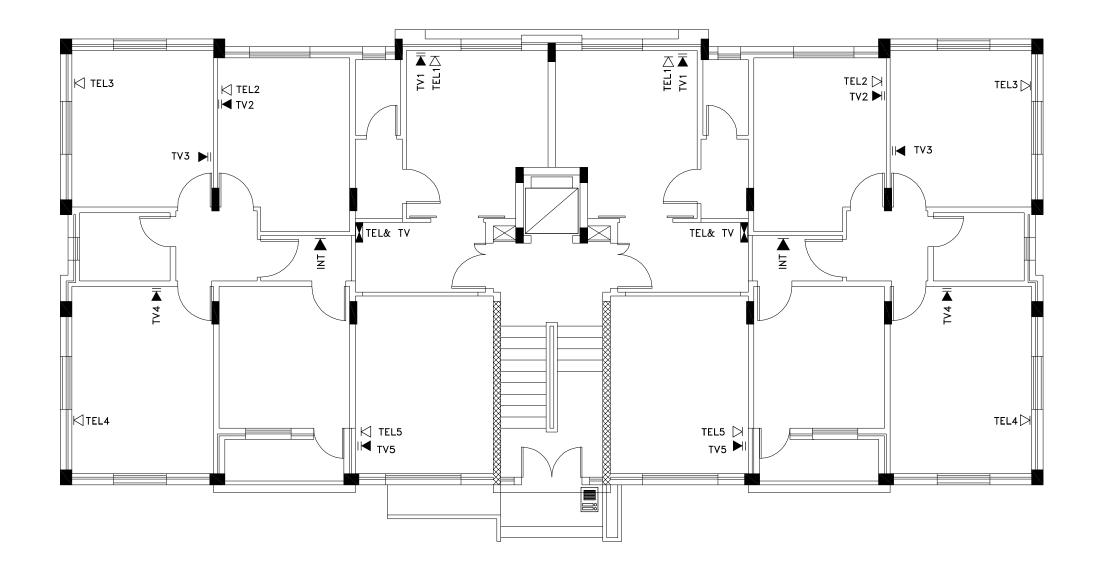


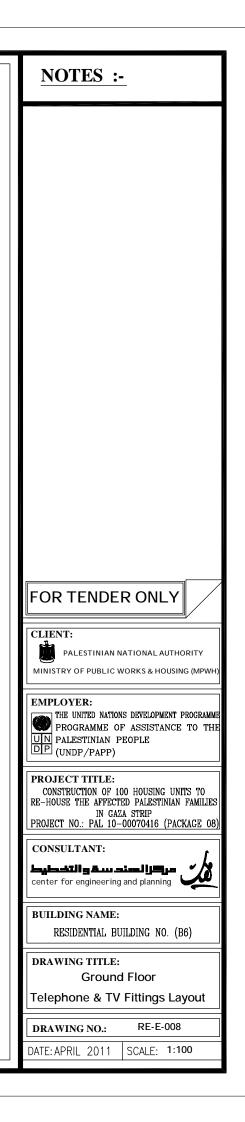


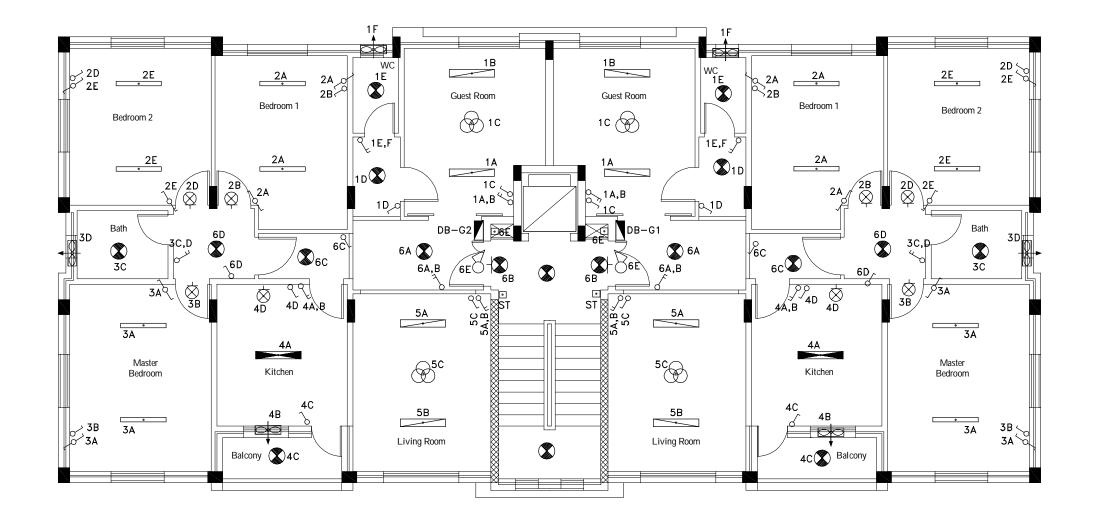


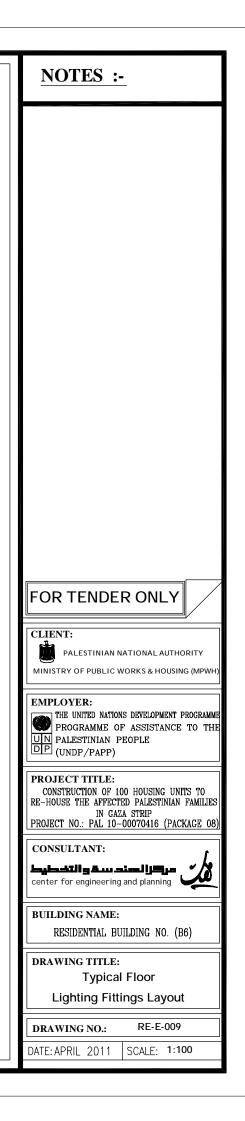
Power Manhole Details

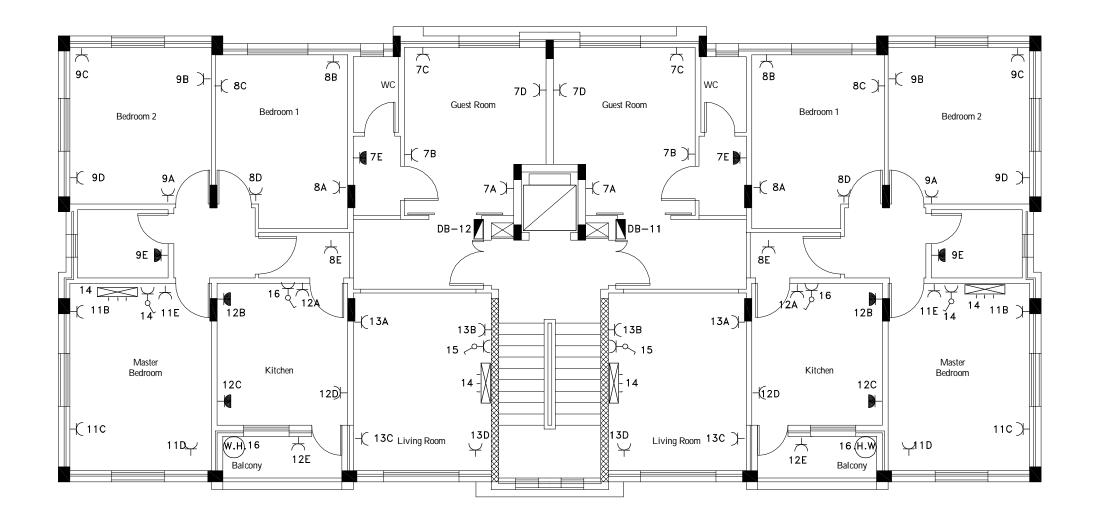


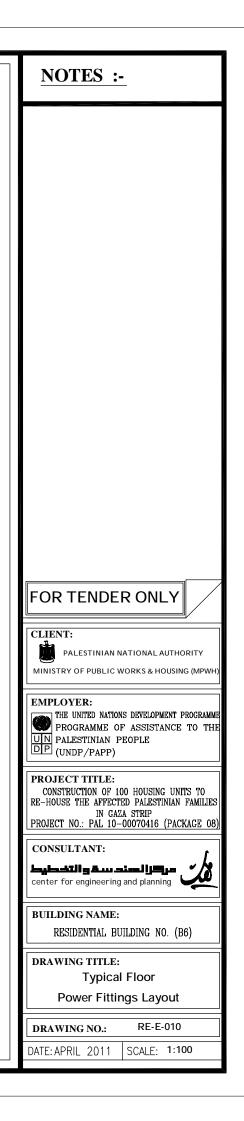


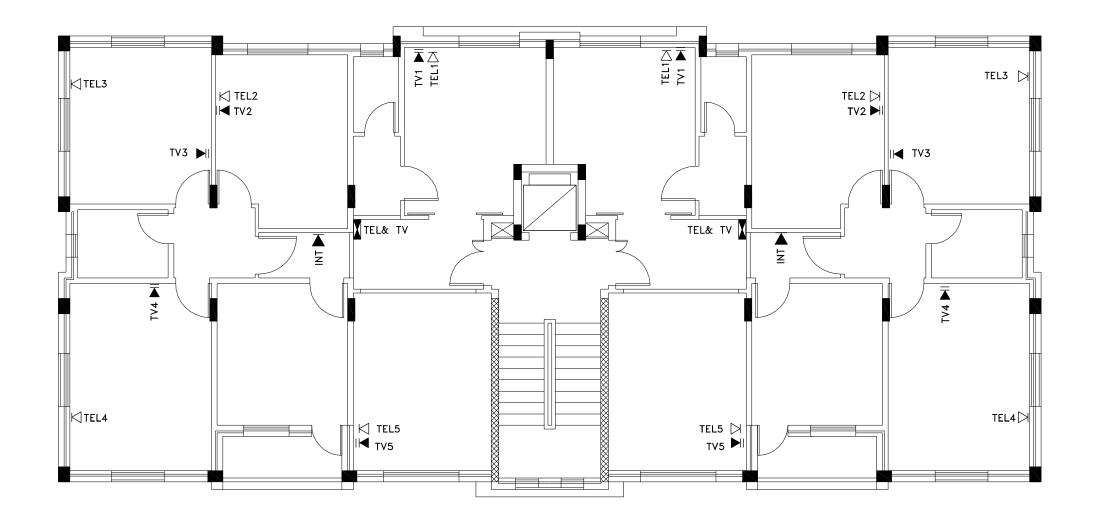


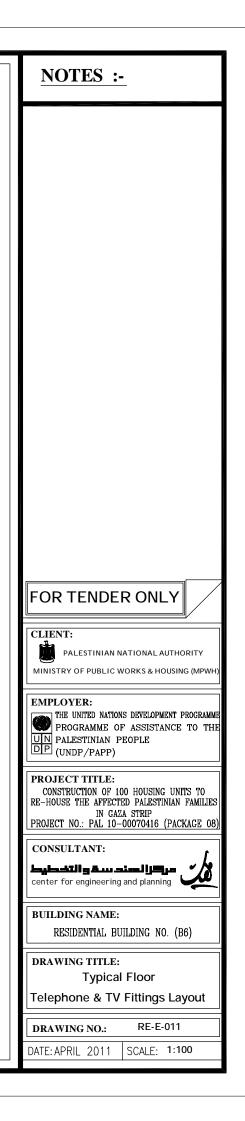


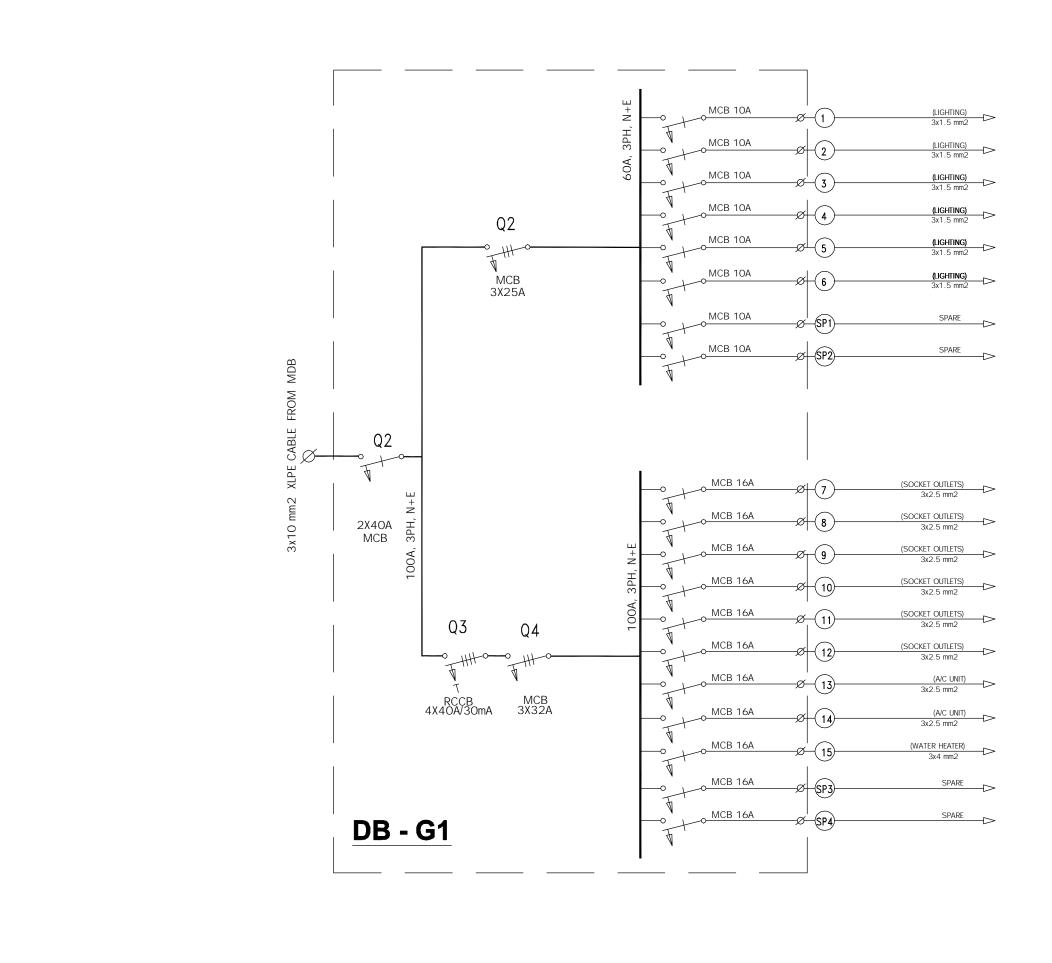


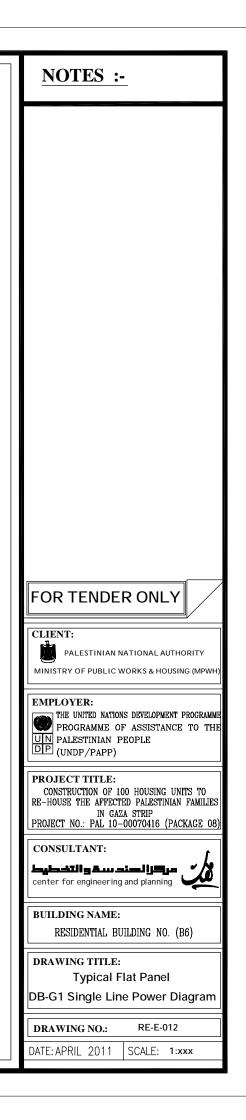


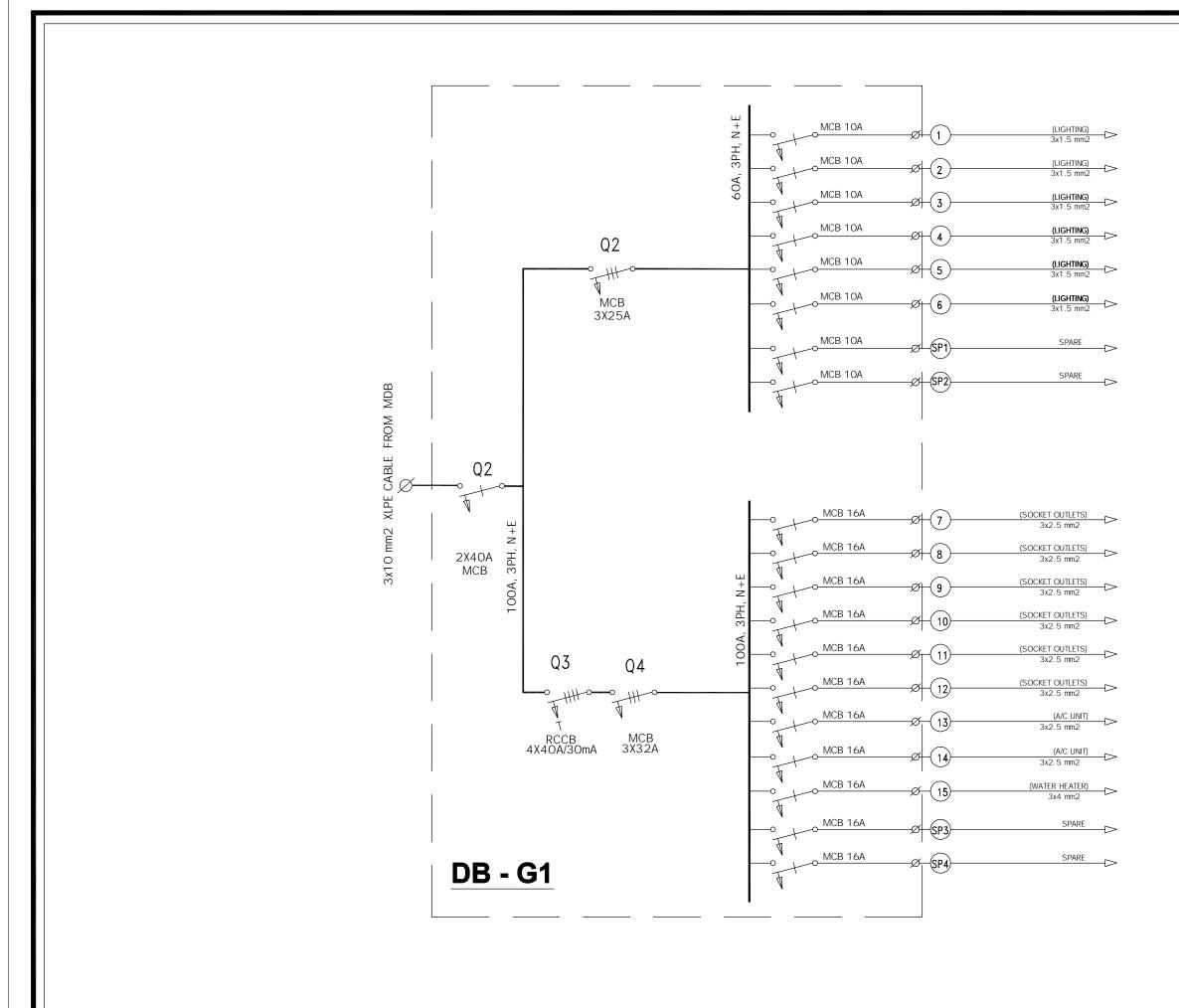


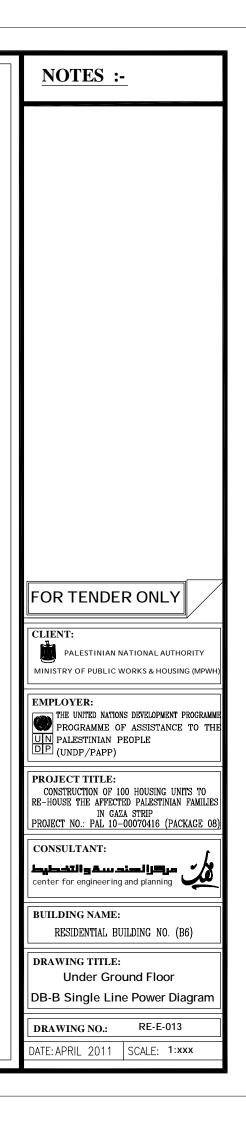


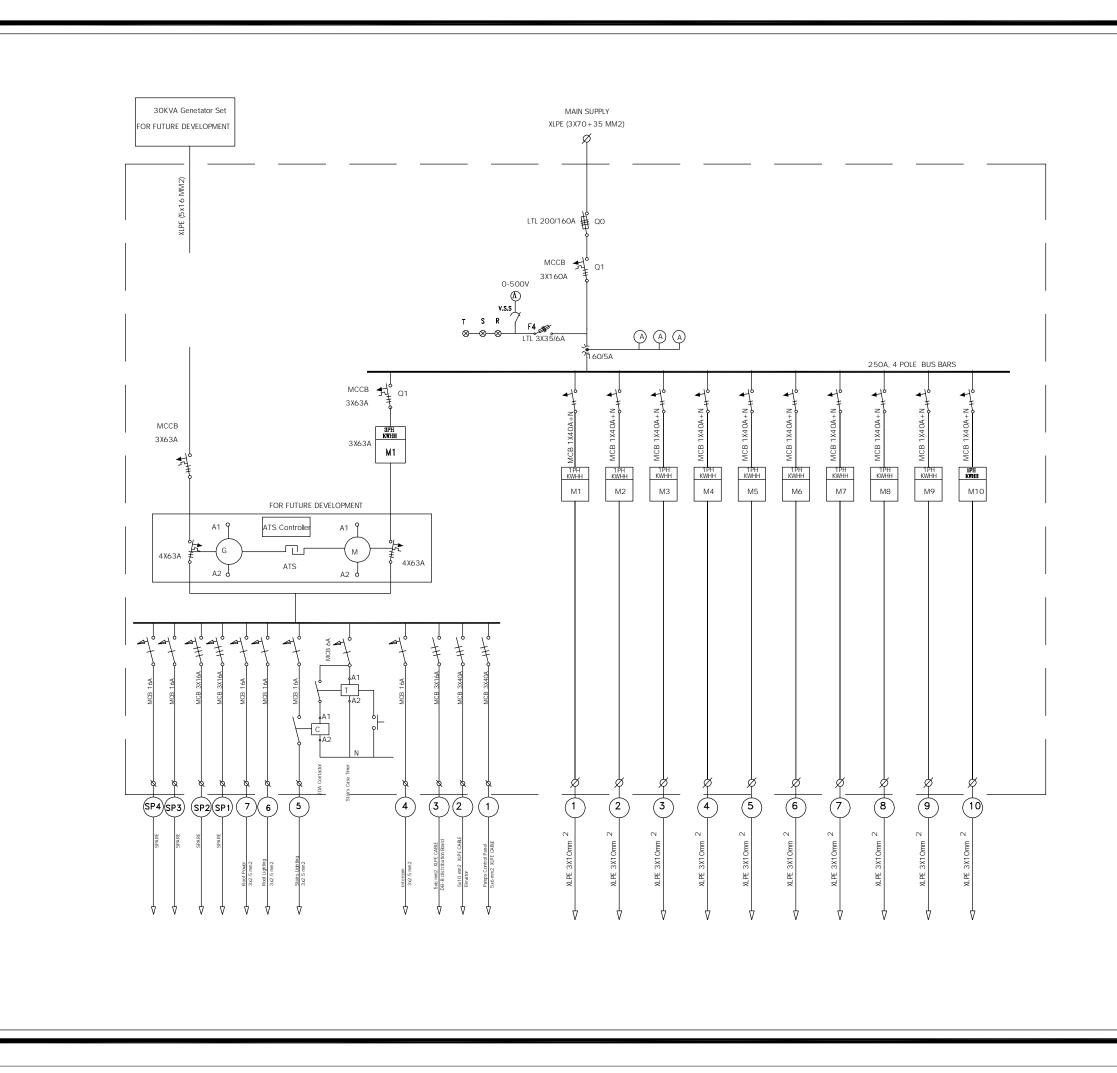


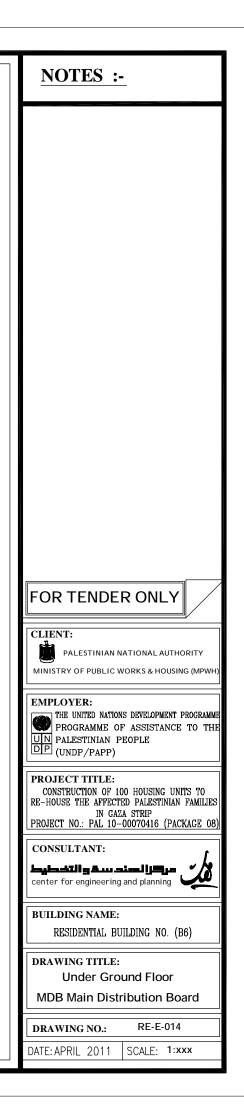


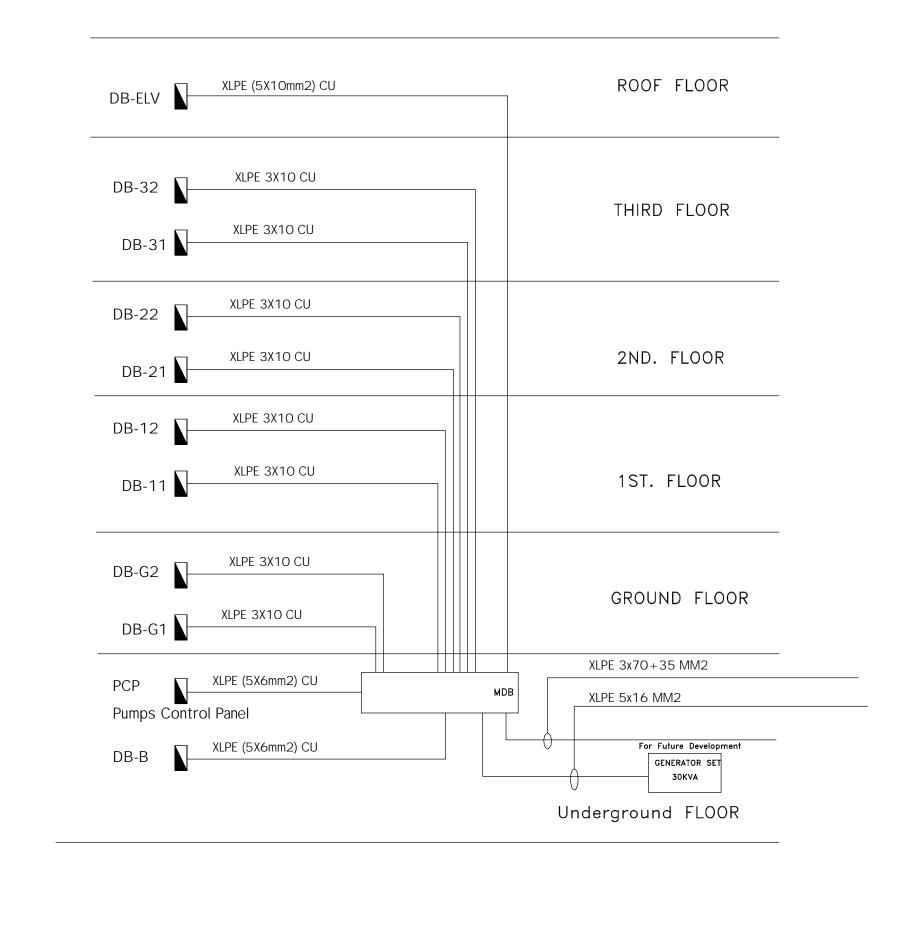


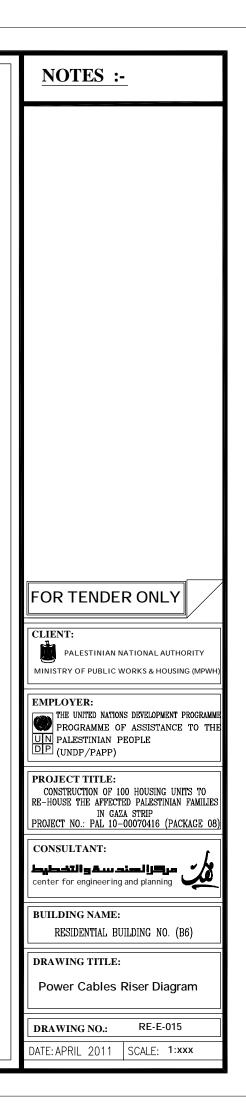


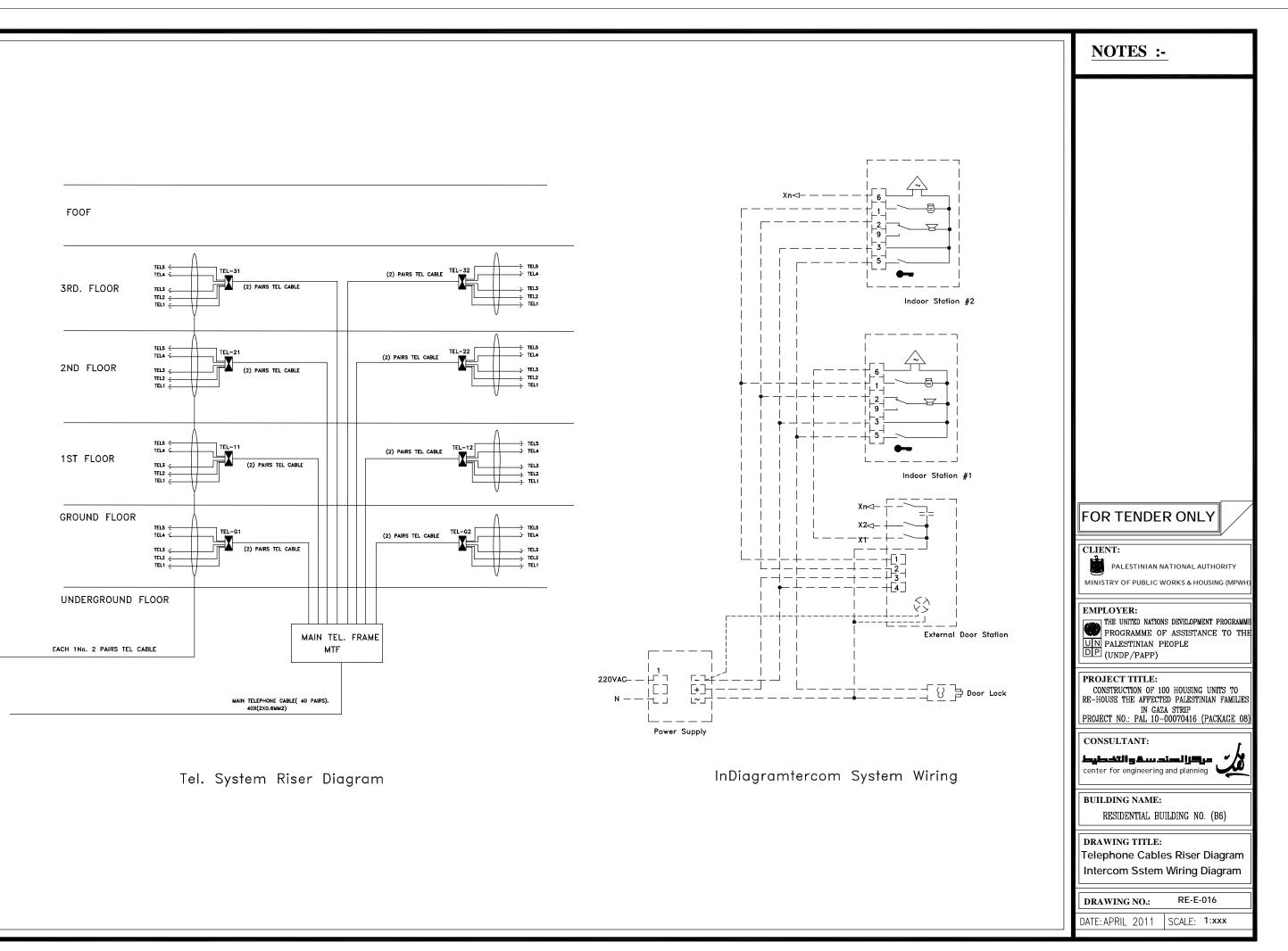


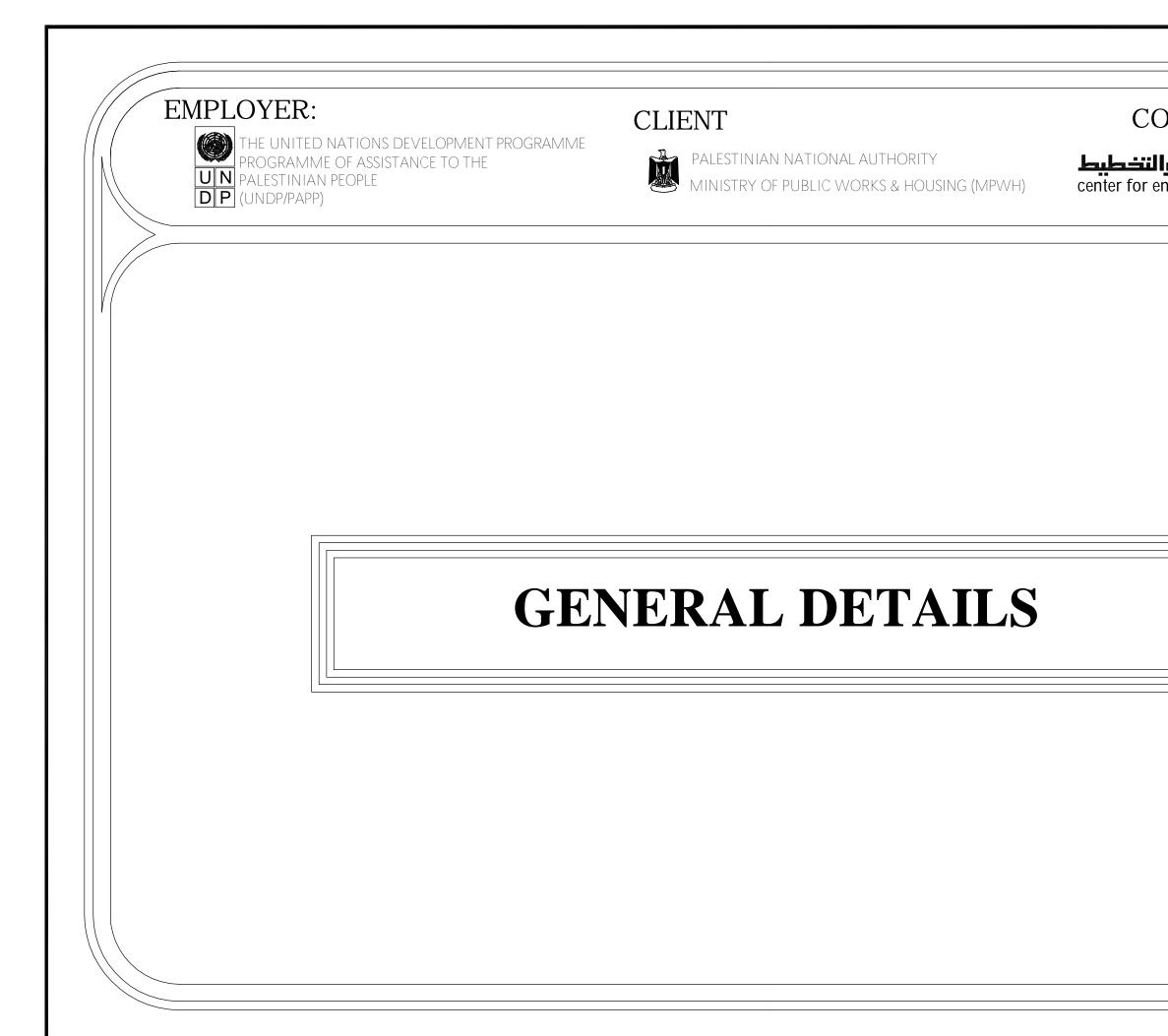


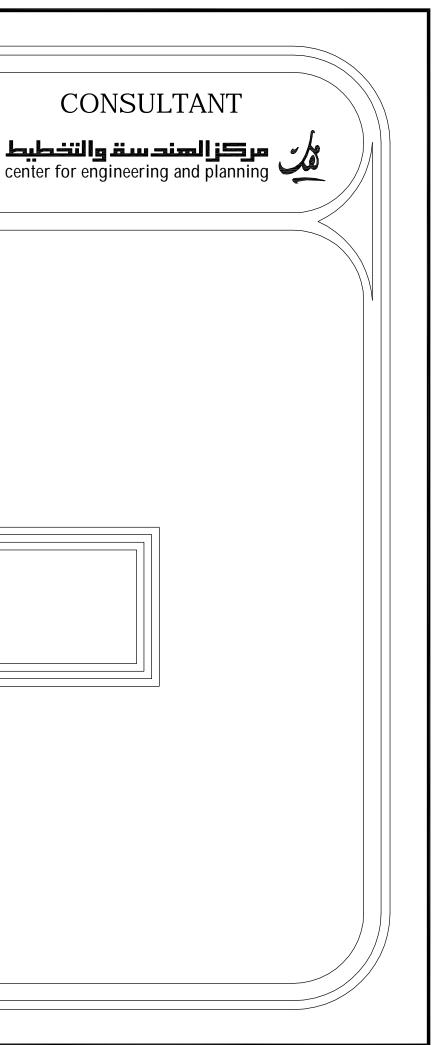












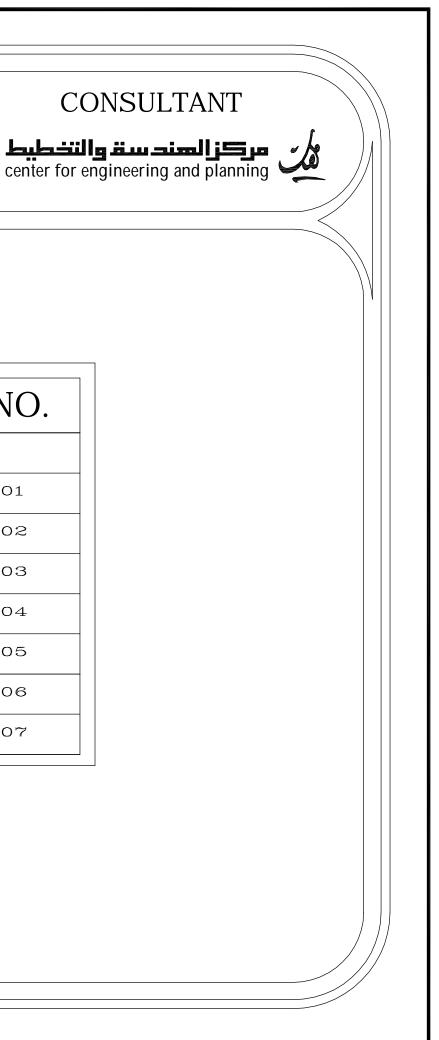


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE DP (UNDP/PAPP)

CLIENT

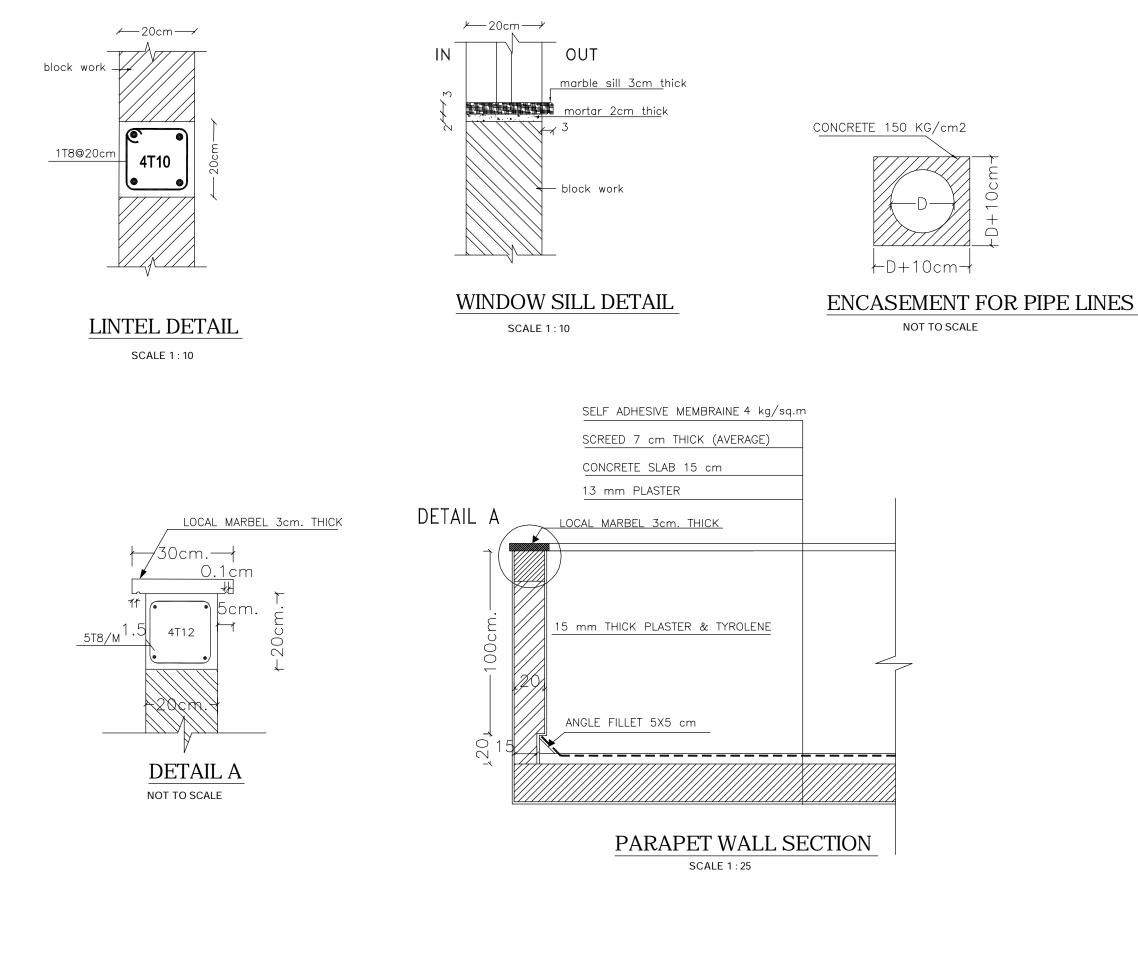


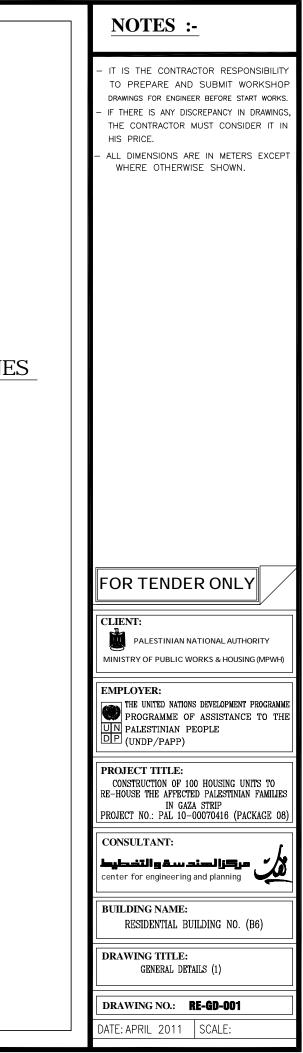
PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSI MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

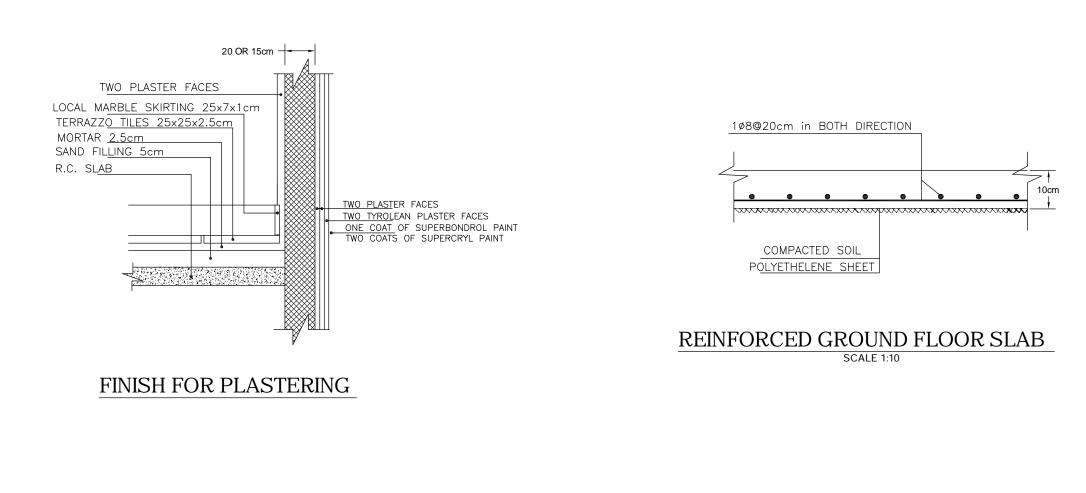


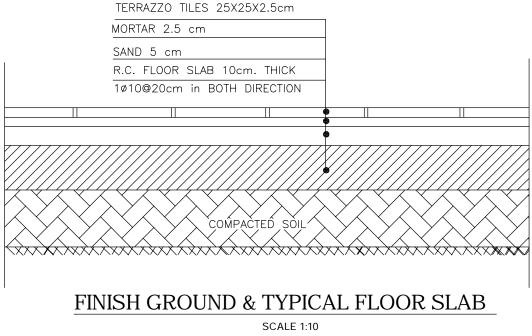
LIST OF DRAWINGS

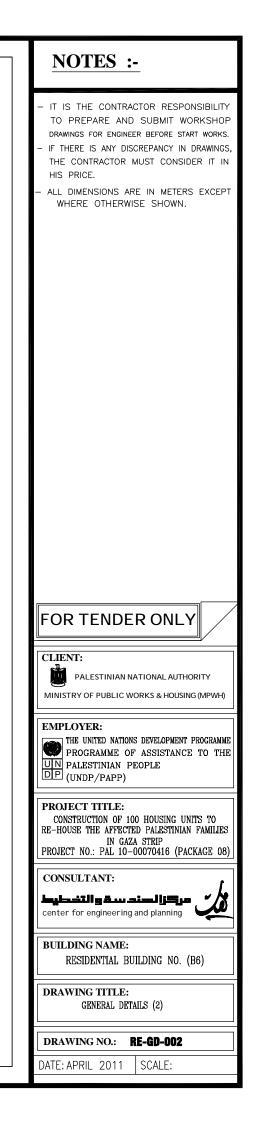
| S/NO. | DRAWING NAME | DRG. NO. | | |
|-------|---------------------|-----------|--|--|
| | GENERAL DETAILS | | | |
| 01/07 | GENERAL DETAILS (1) | RE-GD-001 | | |
| 02/07 | GENERAL DETAILS (2) | RE-GD-002 | | |
| 03/07 | GENERAL DETAILS (3) | RE-GD-003 | | |
| 04/07 | GENERAL DETAILS (4) | RE-GD-004 | | |
| 05/07 | GENERAL DETAILS (5) | RE-GD-005 | | |
| 06/07 | GENERAL DETAILS (6) | RE-GD-006 | | |
| 07/07 | GENERAL DETAILS (7) | RE-GD-007 | | |

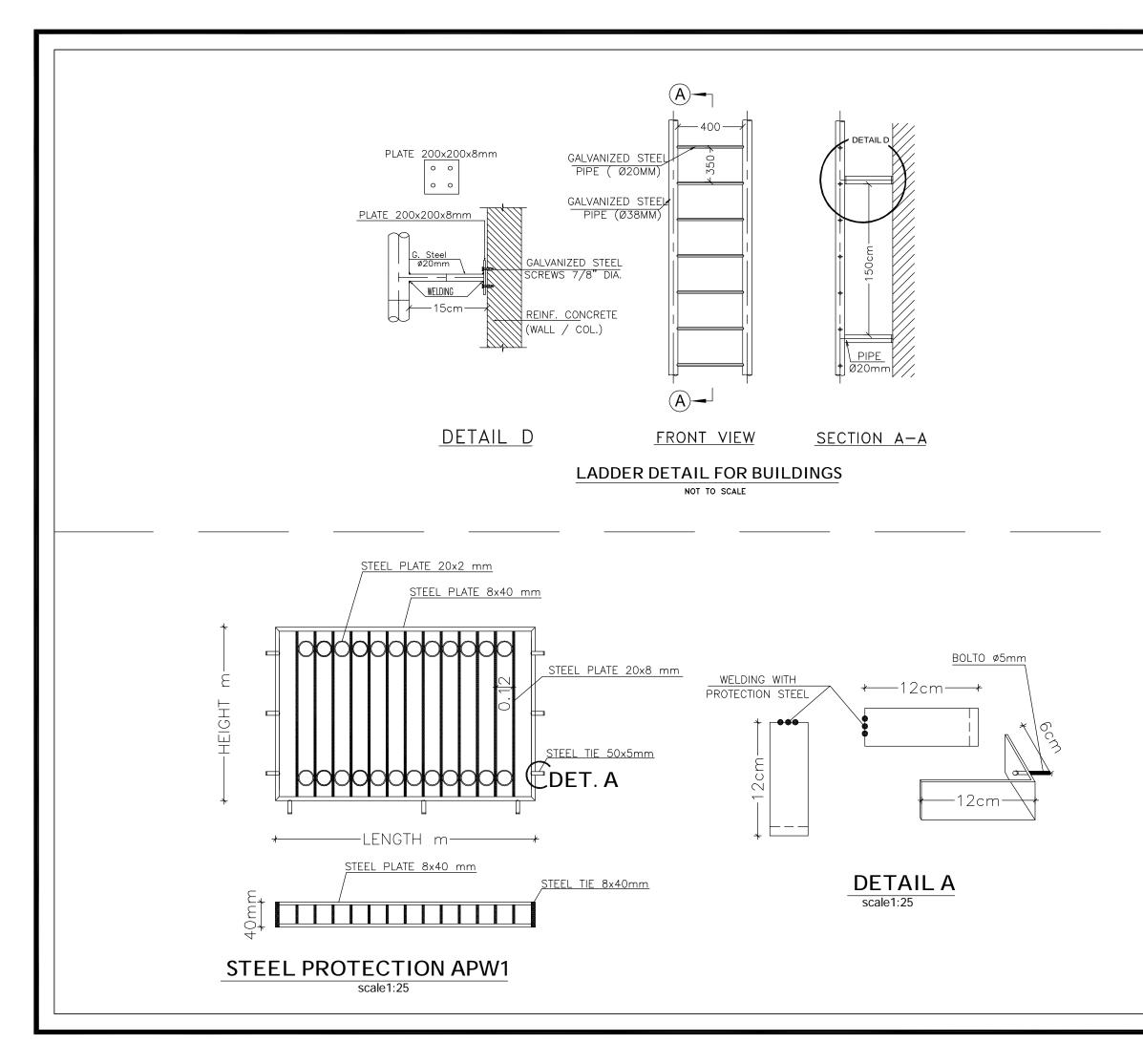


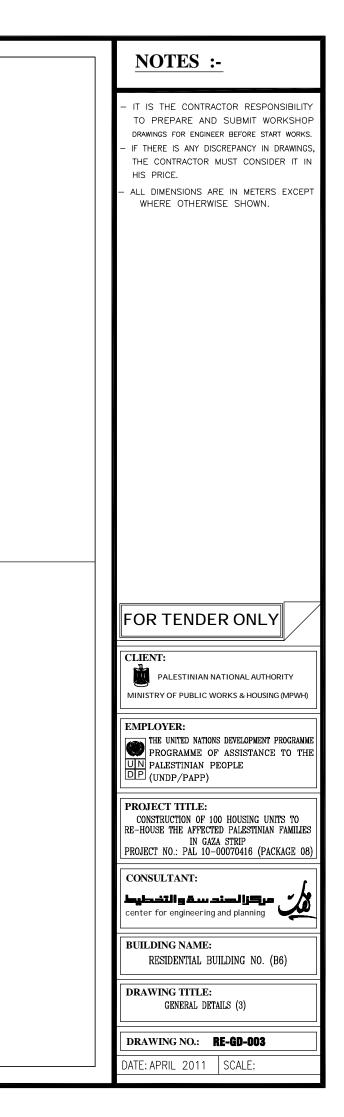


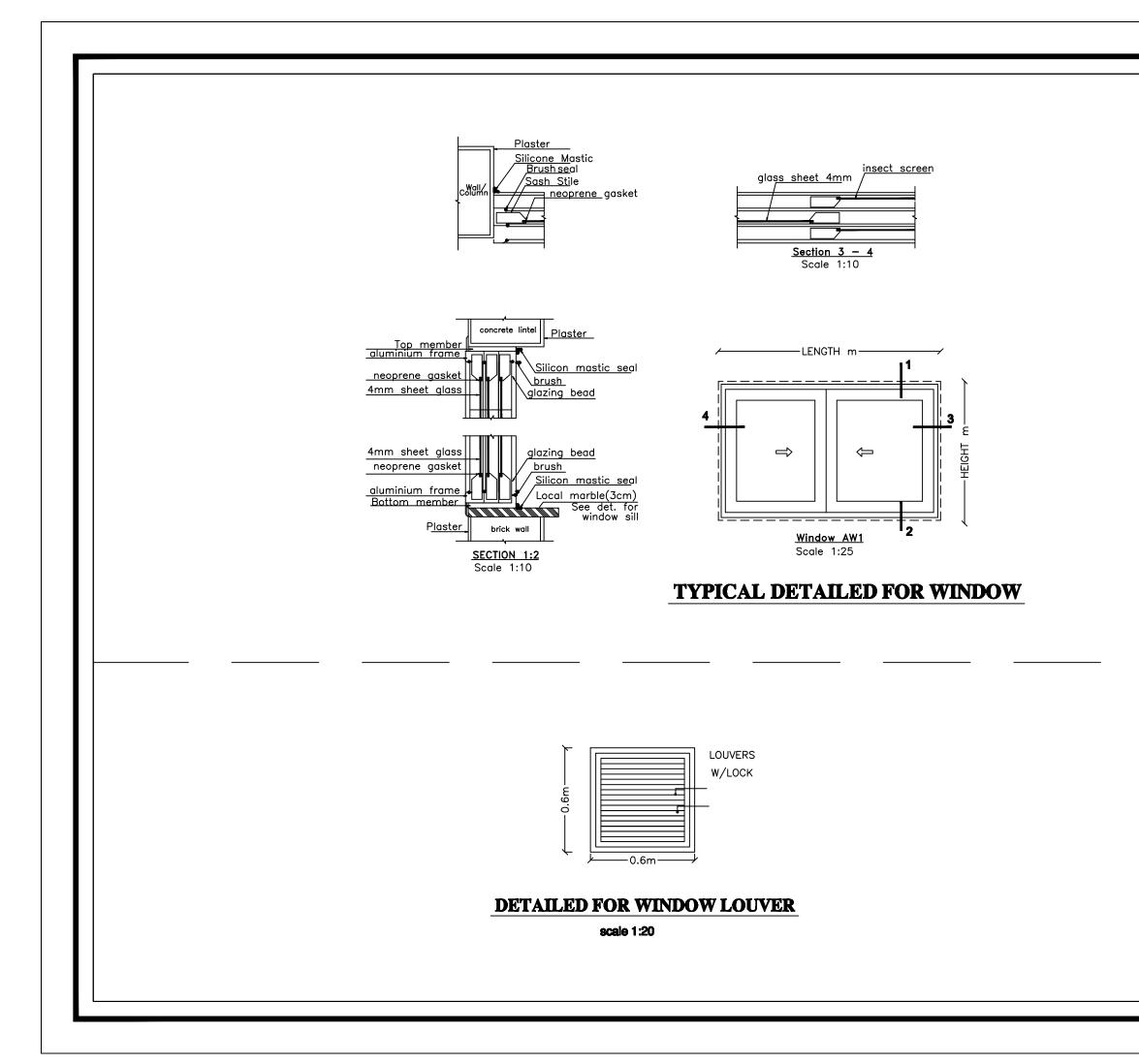


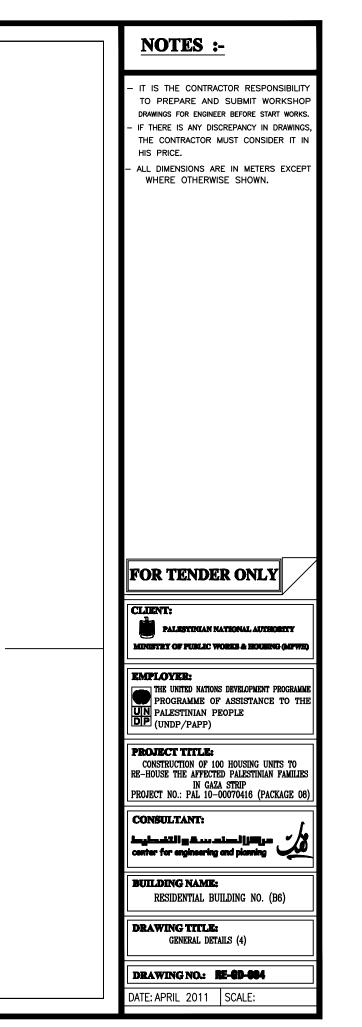


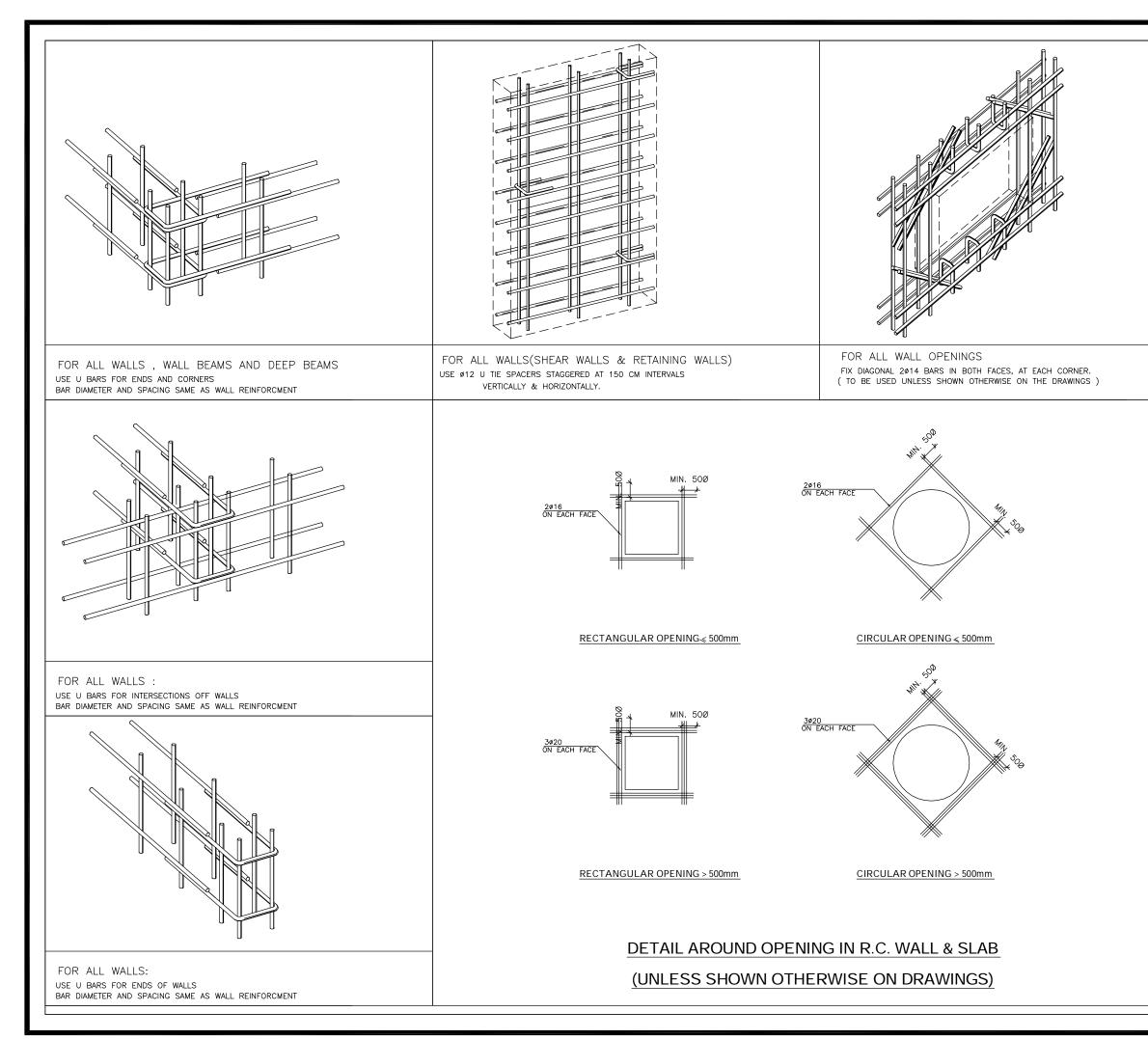


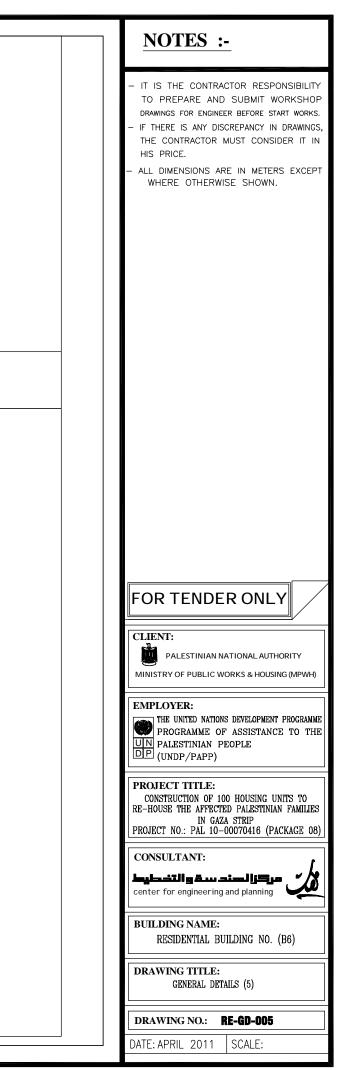












LINTELS DETAILS.

| SCHEDULE OF LINTELS REINFORCEMENT | | | | | | | | | | |
|-----------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|--------|-----------|--|--|
| LINTEL WIDTH =b | b=10cm. | | b=15cm. | | b=20cm./30cm. | | DEPTH= | CTIDDUDC | | |
| CLEAR SPAN | TOP REINF. | BOTTOM REINF. | TOP REINF. | BOTTOM REINF. | TOP REINF. | BOTTOM REINF. | d | STIRRUPS | | |
| < 200 | 1T12 | 1⊤14 | 2T12 | 2T12 | 2T12 | 2T14 | 20 | 1ø8@200mm | | |
| 200-300 | 1T12 | 1⊤14 | 2T12 | 2T14 | 2T12 | 2T16 | 25 | 1ø8@200mm | | |
| 301-400 | 1T12 | 1T16 | 2T12 | 2T14 | 2T12 | 2T16 | 30 | 1ø8@200mm | | |
| 401-500 | 1T12 | 1T16 | 2T14 | 2T16 | 2T14 | 2T20 | 35 | 1ø8@200mm | | |
| 501-600 | 1T14 | 1T20 | 2T14 | 2T16 | 2T14 | 2T20 | 40 | 1ø8@200mm | | |
| 601-700 | 1T14 | 1T20 | 2T14 | 2T20 | 2T14 | 2T20 | 50 | 1ø8@200mm | | |
| 701-800 | 1T14 | 1T20 | 2T16 | 2T20 | 2T16 | 3T20 | 55 | 1ø8@200mm | | |

