

EMPLOYER:

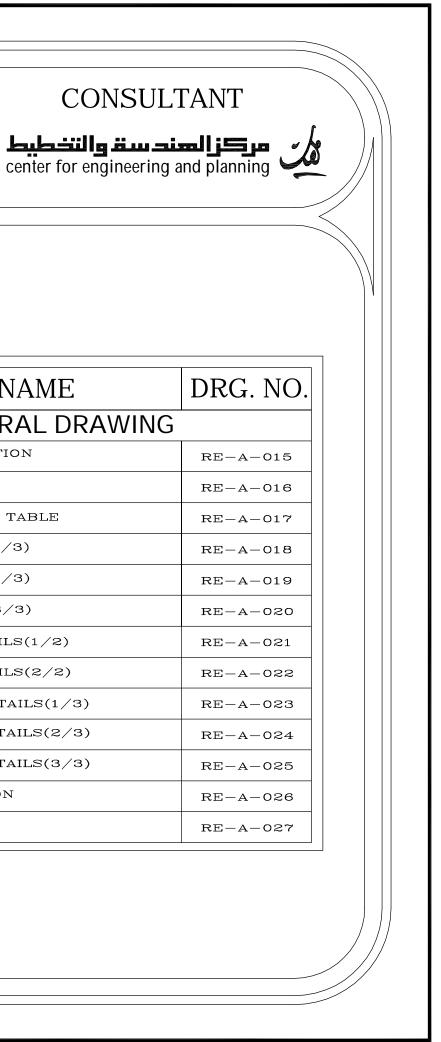


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE **DP** (UNDP/PAPP)

CLIENT

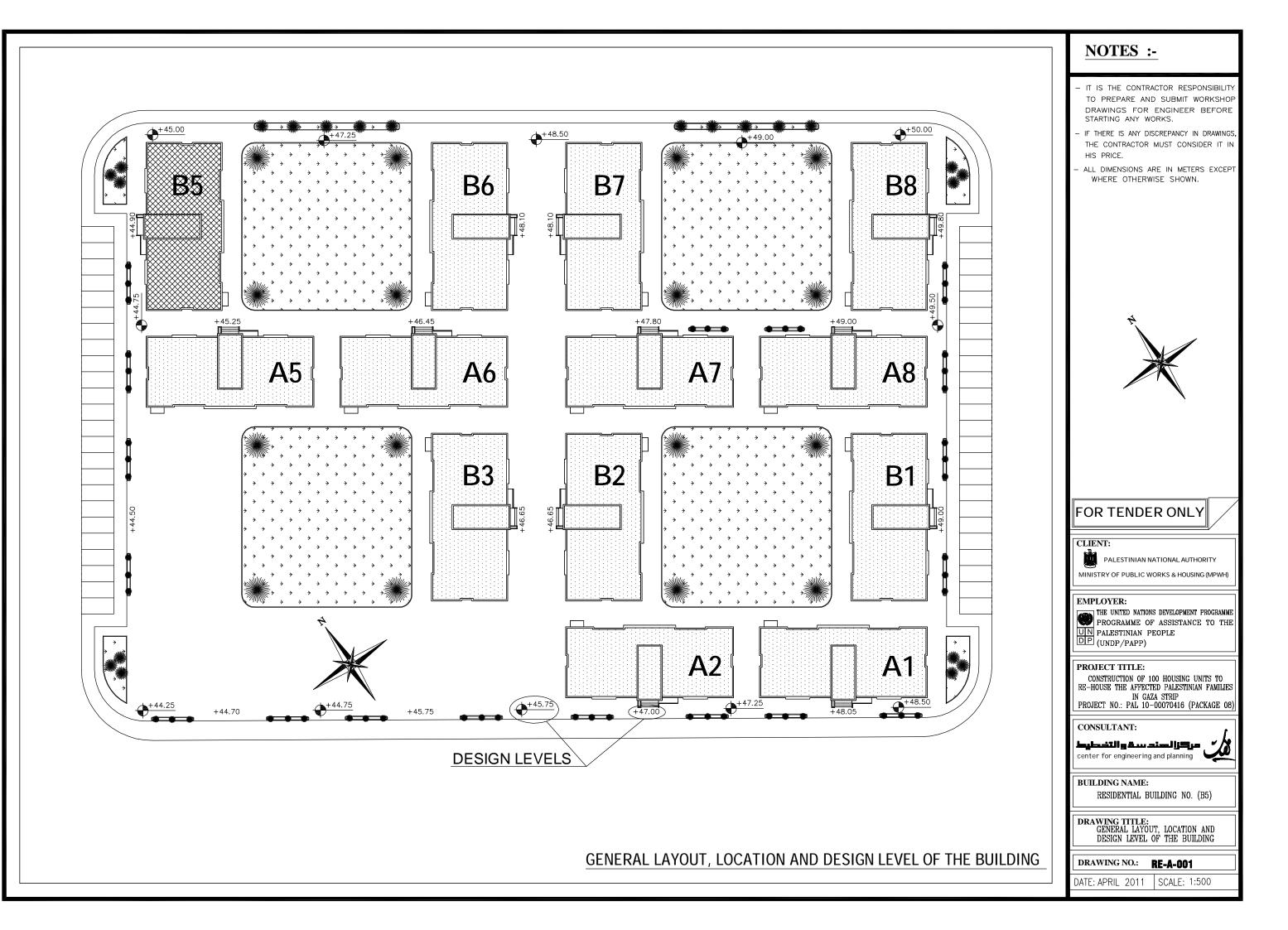


PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSI MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)



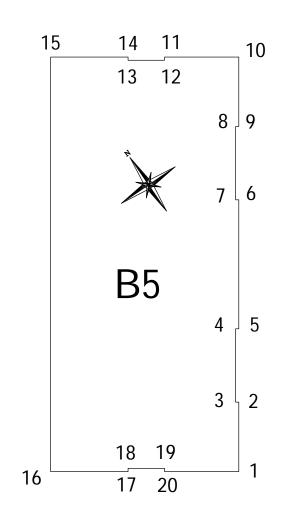
LIST OF DRAWINGS

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		

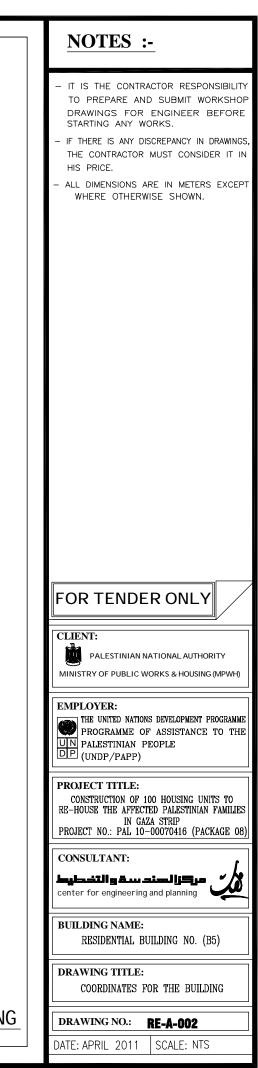


BUILDING NO. B5

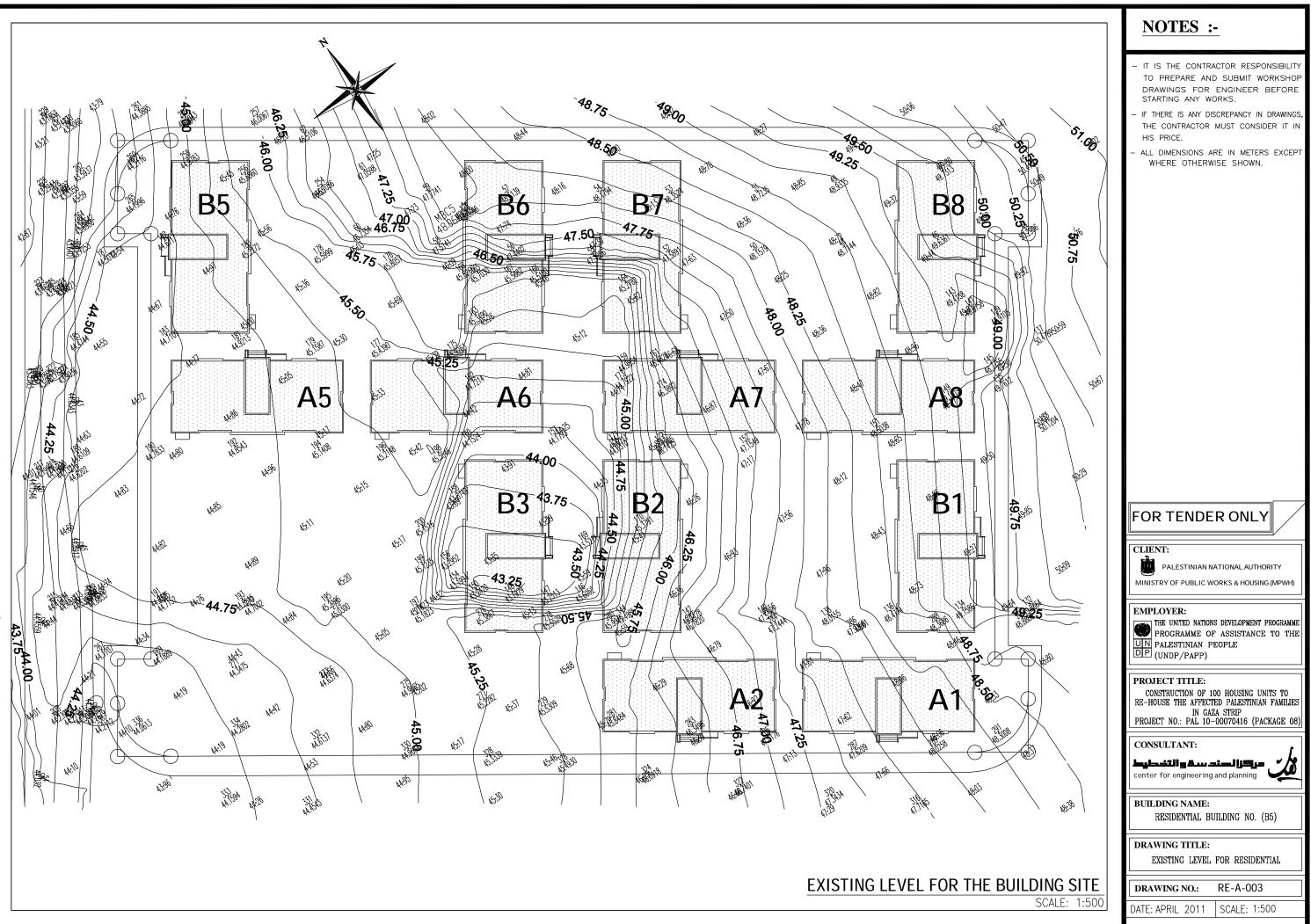
Piont	Х	Y
1	100569.4020	107368.6188
2	100571.8786	107372.1950
3	100571.7142	107372.3088
4	100571.3332	107376.0905
5	100574.4976	107375.9766
6	100579.1092	107382.6357
7	10057.9448	107382.7495
8	100581.5638	107386.5312
9	100581.7282	107386.4173
10	100584.2048	107389.9935
11	100580.3820	107392.6409
12	100580.2681	107392.4765
13	100578.3773	107393.7860
14	100578.4912	107393.9504
15	100574.5040	107396.7117
16	100559.7012	107375.3370
17	100563.6884	107372.5757
18	100563.8023	1073727401
19	100565.6931	107371.4306
20	100565.5792	107371.2662

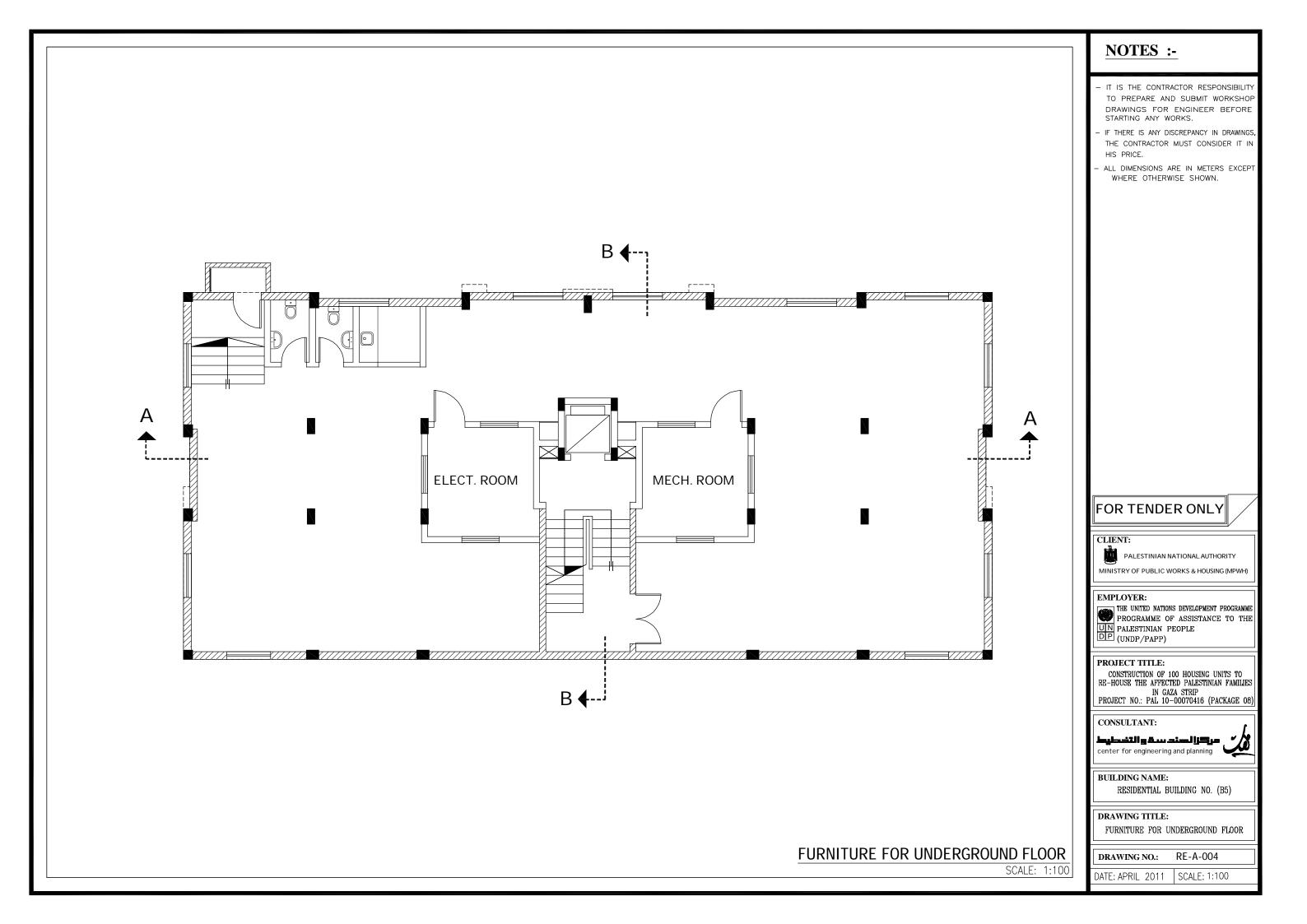


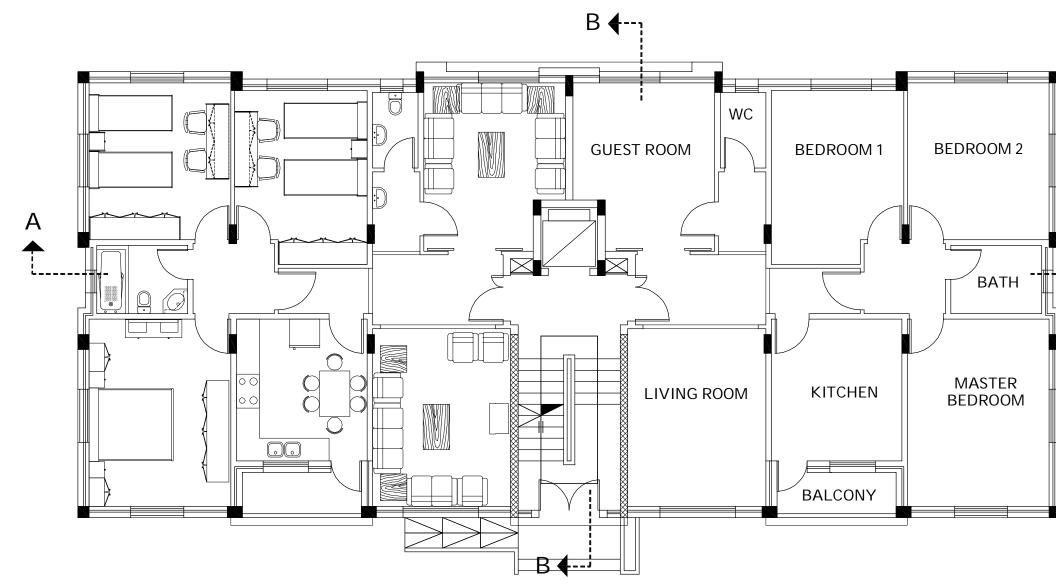
COORDINATES FOR THE BUILDING



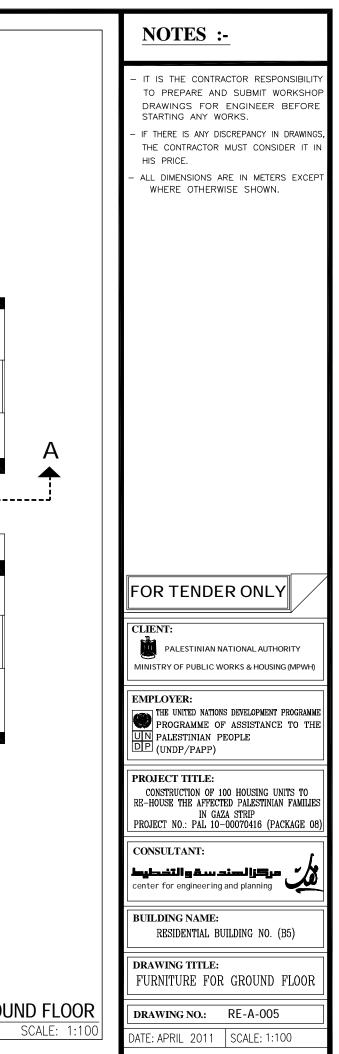


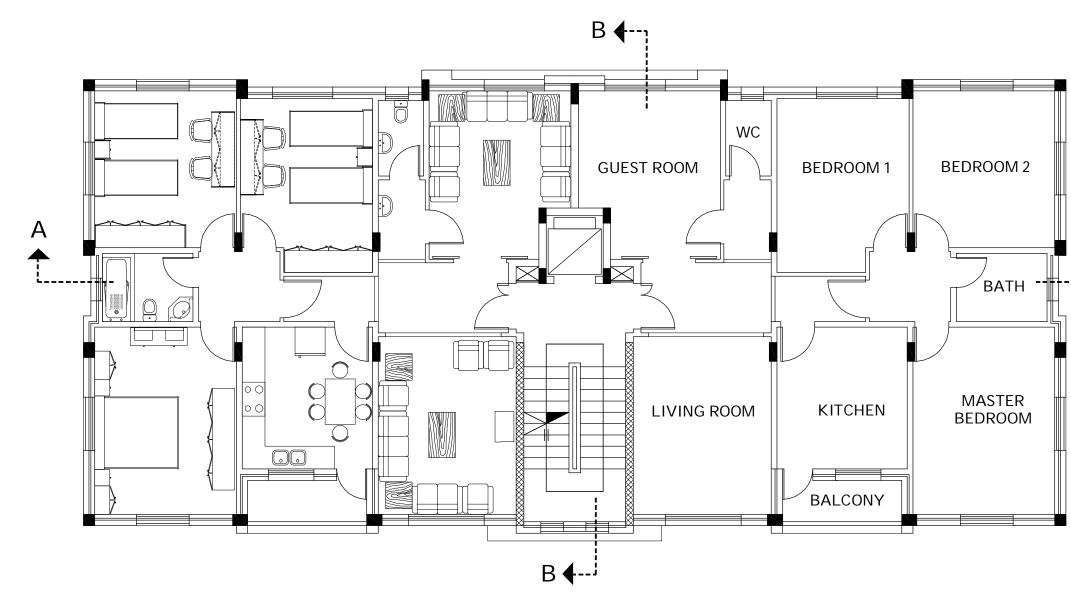




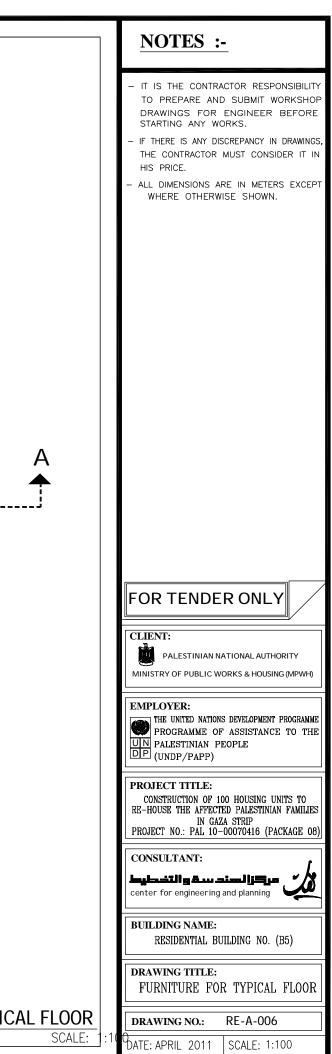


FURNITURE FOR GROUND FLOOR

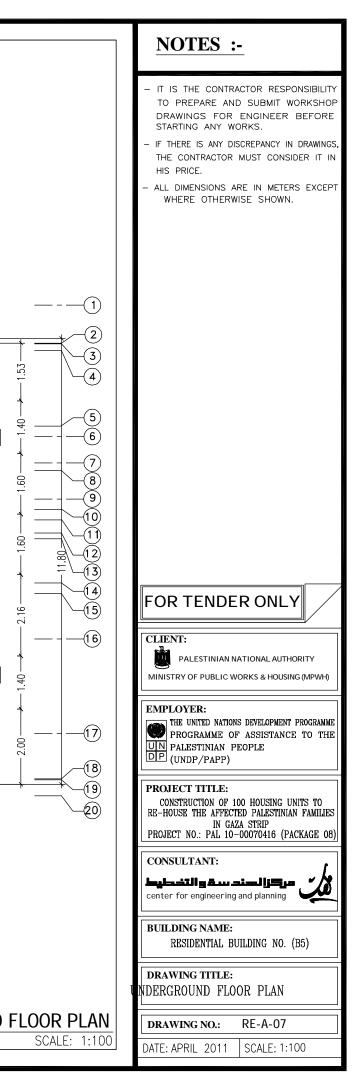


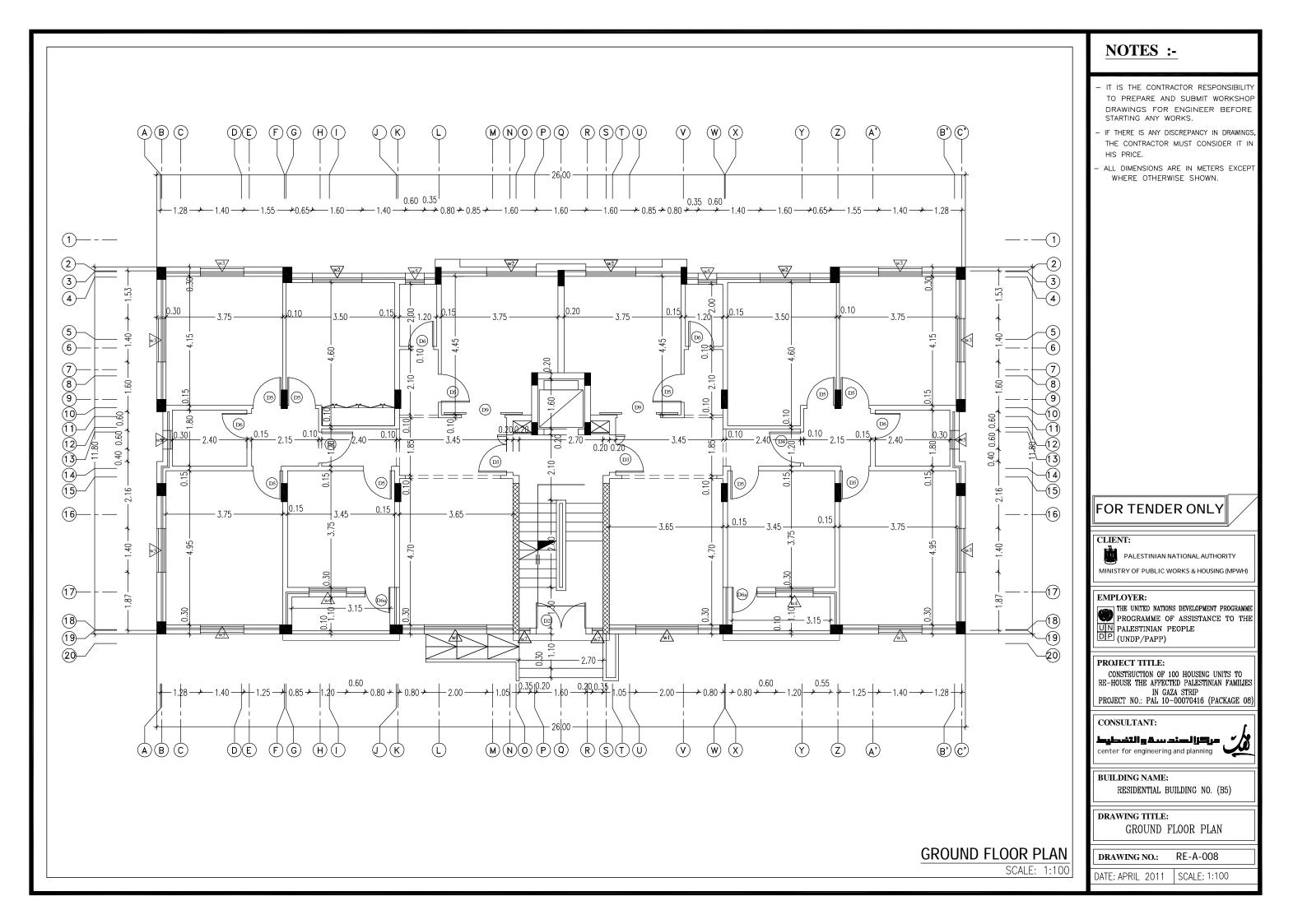


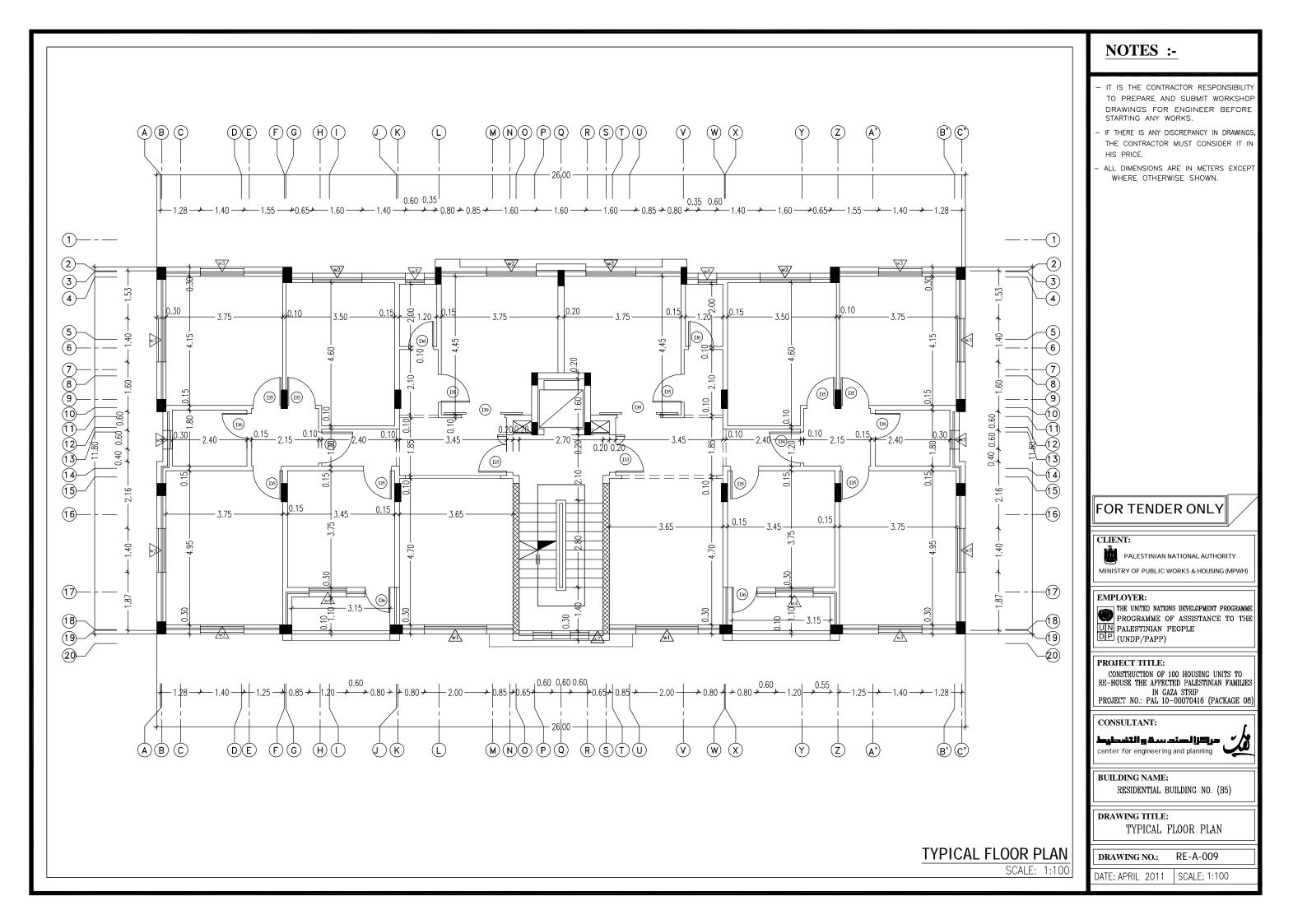
FURNITURE FOR TYPICAL FLOOR

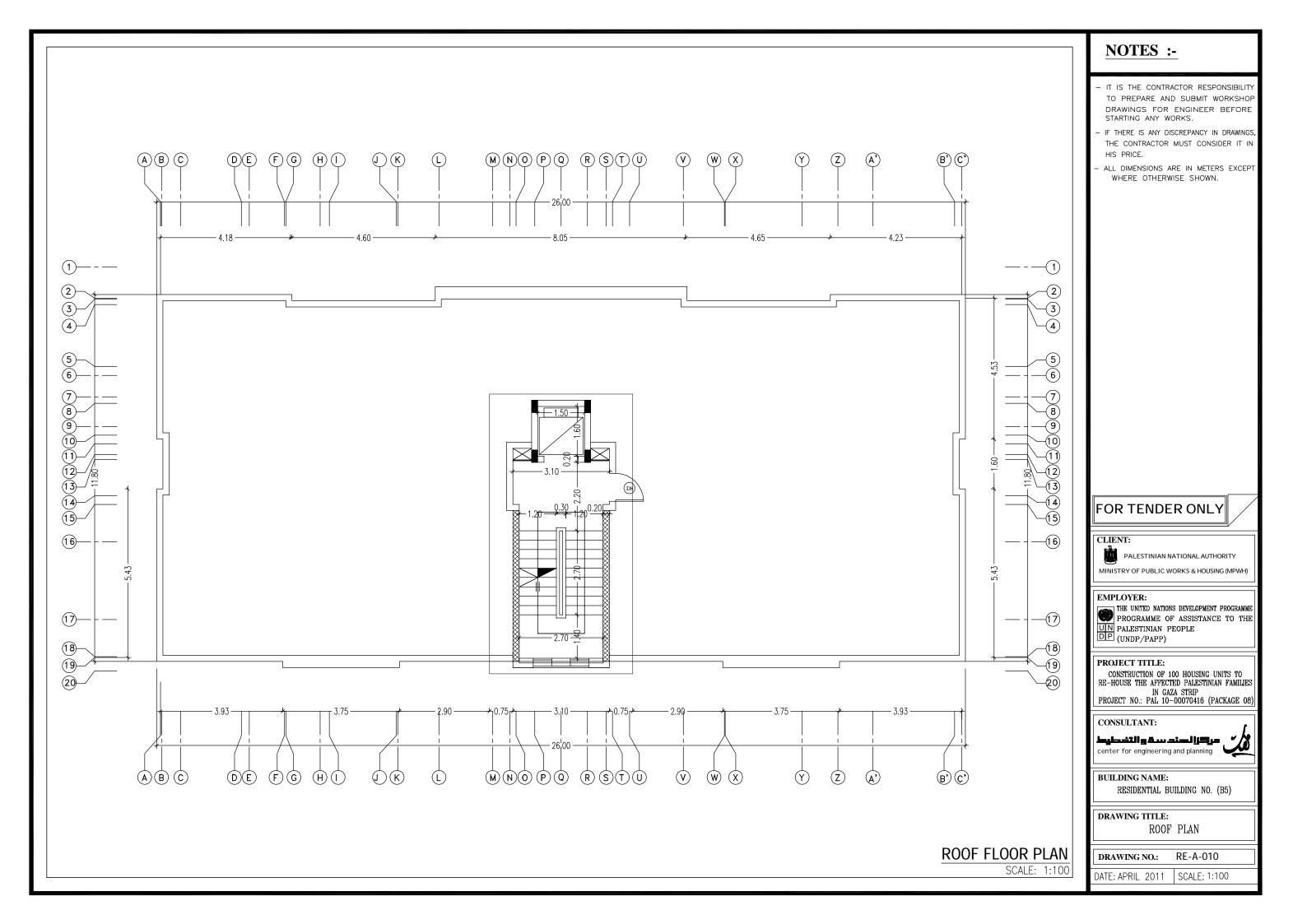


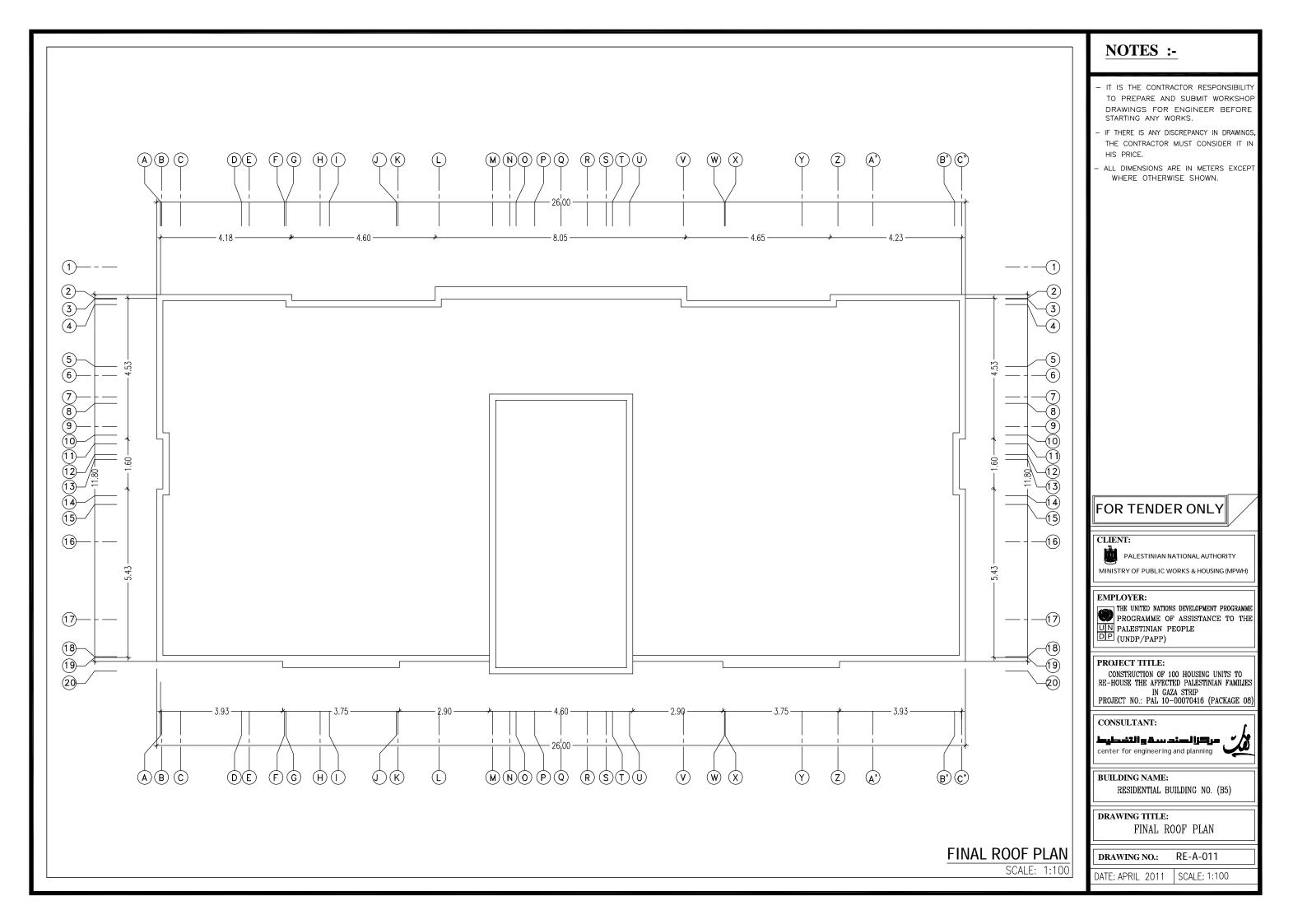
(M) (O) (P) (R) (S) (U)(A) (B) (C)(W) (X)(D)(E)(F)(G)(H)(I) $(\mathbf{J})(\mathbf{K})$ (\mathbf{V}) (\mathbf{Y}) (Z)(A')(B')(C')26,00 + 0.80 + 0.85 + 1.60 + 1.60 + 1.60 + 0.85 + 0.80 + +0.58+ ≁ 1.55 ≁0.65⊁ 1.60 ≁ - 2.35 ----- 2.35 --+ 1.60 + 0.65 + 1.55 + 1.40 + 1.28 -- 2.10 -(1)-7//////// (2)(3) D8) 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

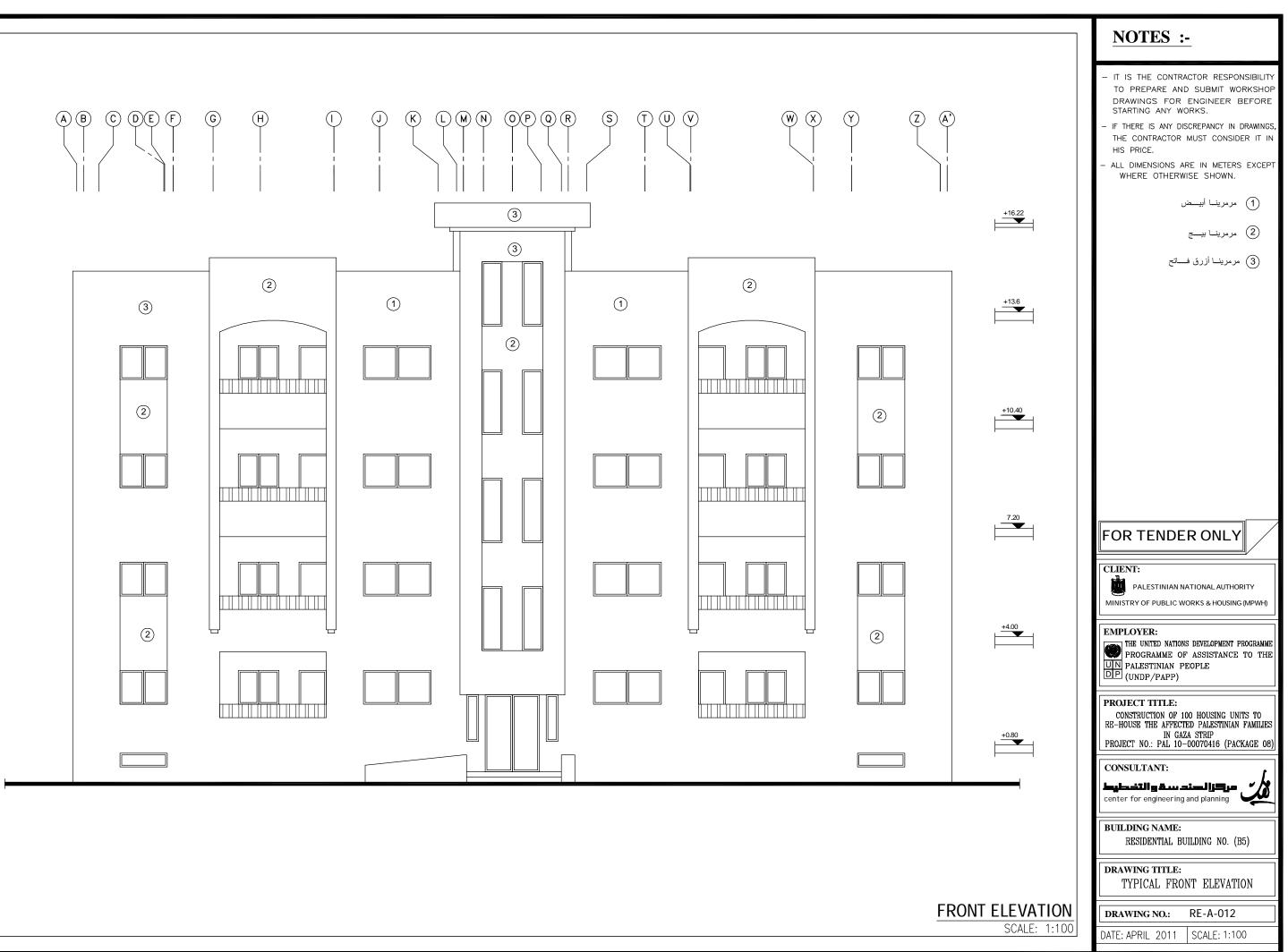


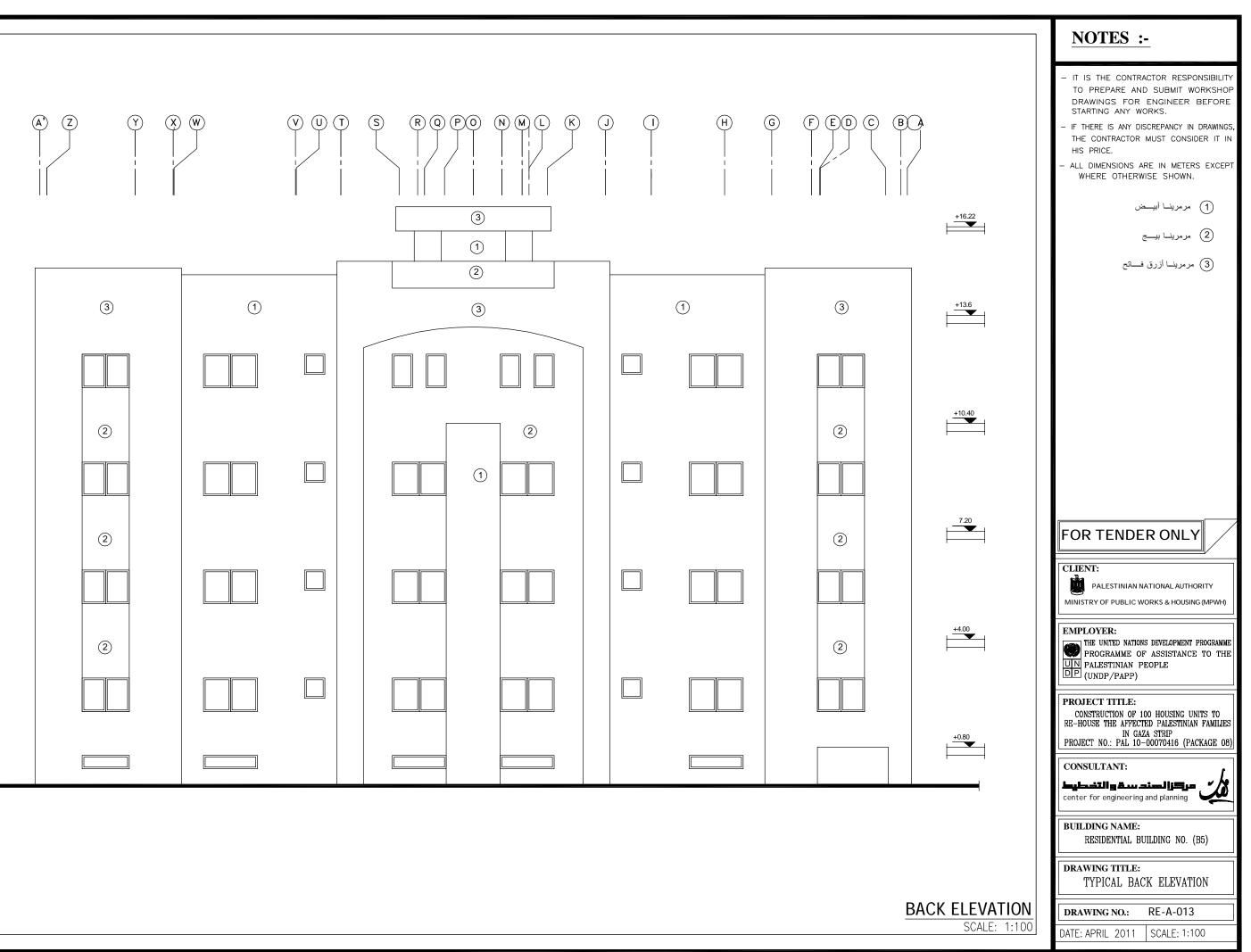


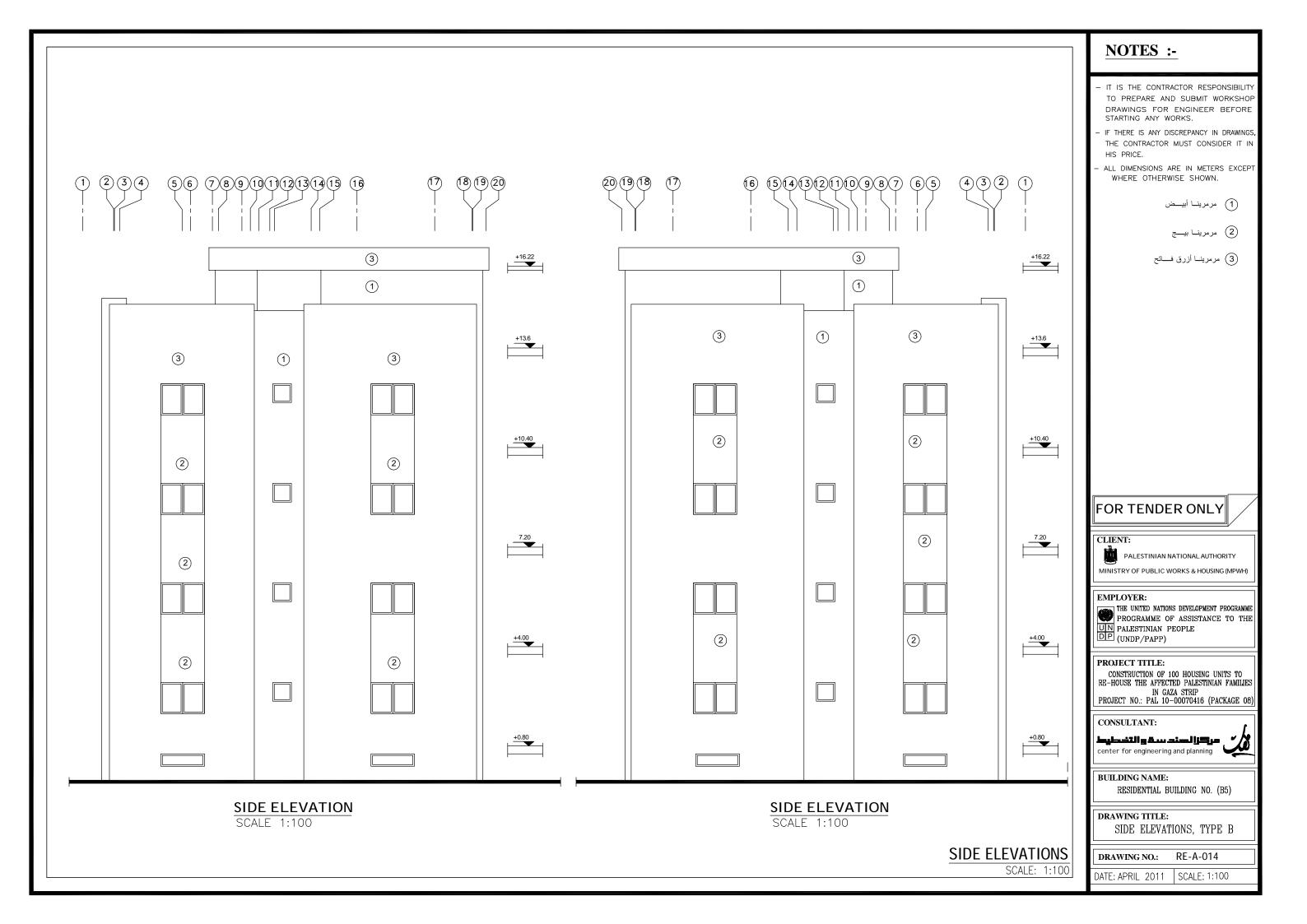






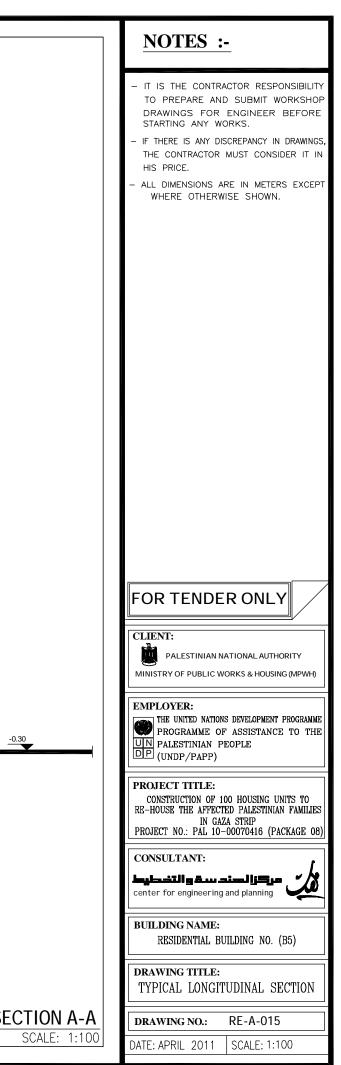


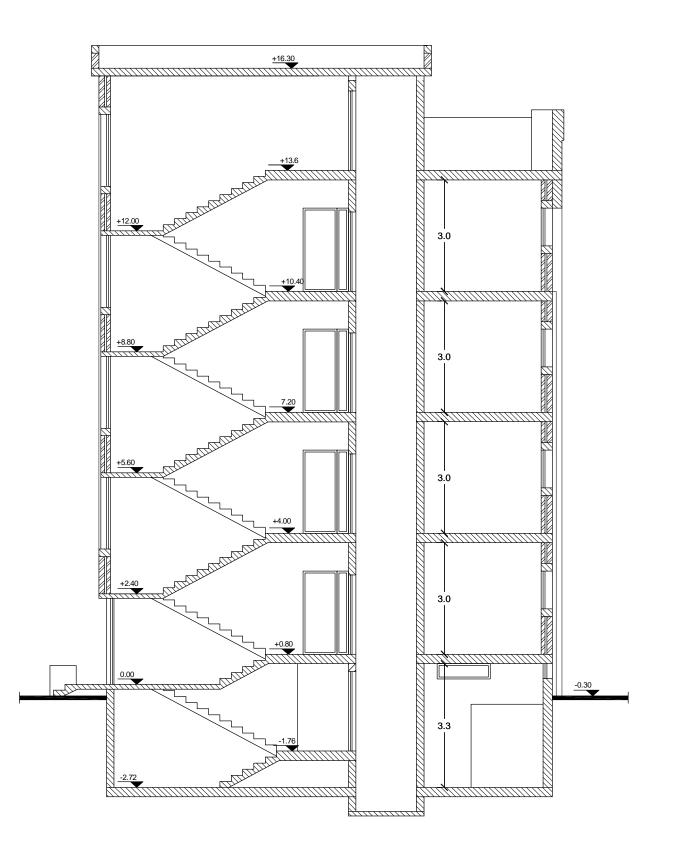


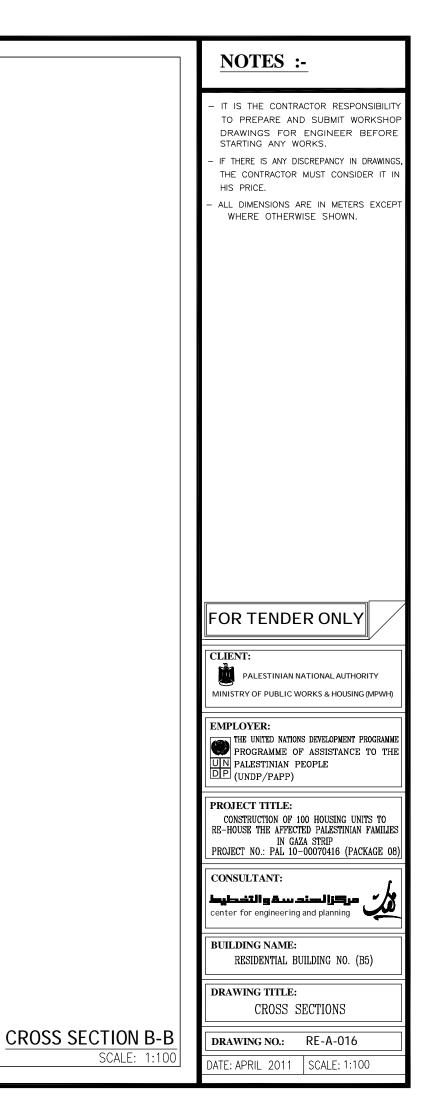




LONGITUDINAL SECTION A-A







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

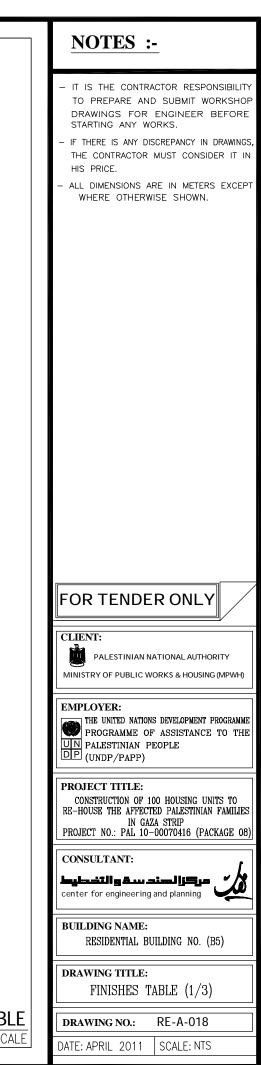
نظام الفتح وعده الغبلف	المادة	الانشافية	الفتحة
	93 (4) (الارتفاع	العرض
مفعلي ضلفتين	مديد	230	160
مفصلي ضلفتين	حديد	230	160
مفصلي ضلفتين	خشب	230	120
مفعبلي ضلفة واحدة	خشب	230	100
مفصلي ضلفة واحدة	خشب	230	90
مفصلي ضلفة واحدة	خشب	230	80
مفعبلي ضلفة واحدة	ھەيھ	230	80
مفصلي ضلفة واحدة	حديد	230	100
مفعبلي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

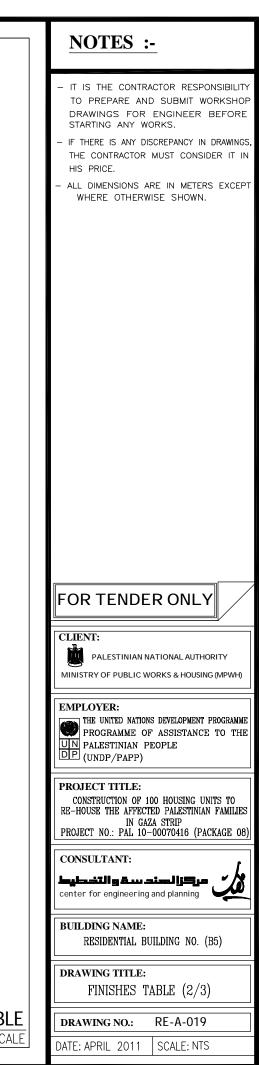
الادراج	دورات الصياه	الغرف الميكانيكية	المطبخ	المورعات	العيالة	ا لرقم	نوع التشطيب	البند
					•	1	بلاط کسر رخام	
	۲					2	بلاط کرا میکا	€) "
						3	رځام أو جرانيت	
۲		۲		•	٥	1	قصارة ودهان سوبركريل	Hangel I
	•		0			2	بلاط کرامیکا حتی السقف	
	٩				٩	1	قصارة ودهان بوليسيد	i dawa
					0	1	ڪسر رځام	
•			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



FINISHES TABLE SCALE: NOT TO SCALE

جدول التشطيبات الطابق الارضي

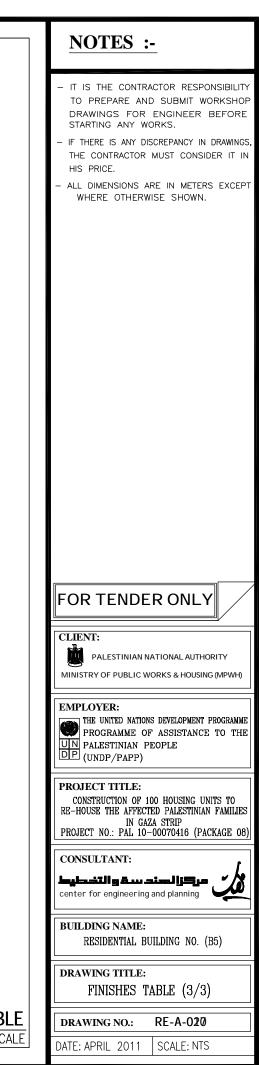
البلاكين	الافراج ت	دورات العياه	الحما ما ت	غرف النوم	الموزعات	المطابغ	صالات المدخل	غرف الصعيشة	غرف الفيوف	الرقم	نوع التشطيب	البنه
۲				٢	٢		٢	٥	٢		بلاط ڪسر رخام	Strand Contraction
		۲	۲			٩				2	بلاط کرا میکا	£) °*
	•									3	رخام أو جرانيت	
•	•			0			•	0	٩	1	قصارة ودهان سوبرڪريل	1213-1
		۲	۲			٩				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			



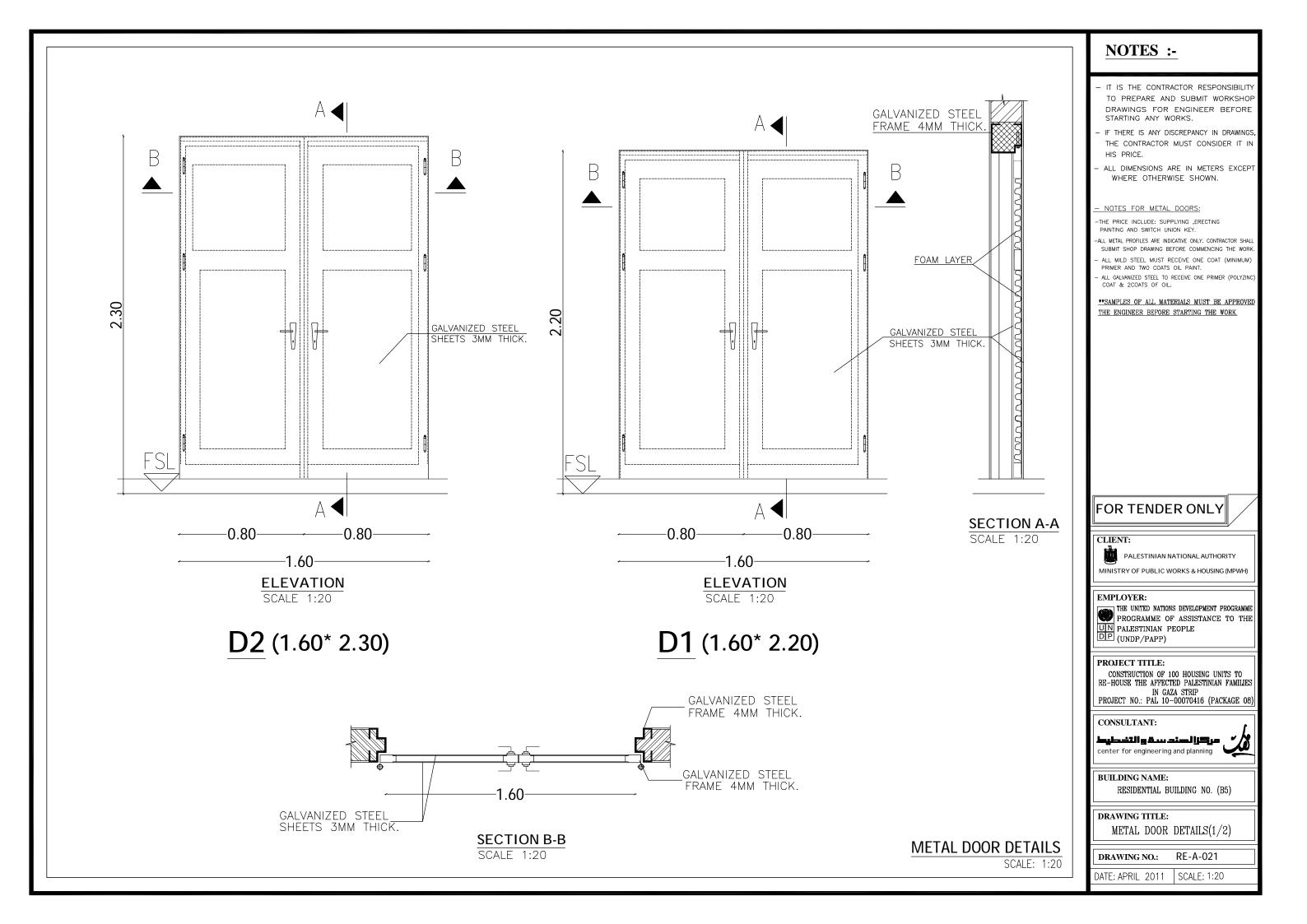
FINISHES TABLE SCALE: NOT TO SCALE

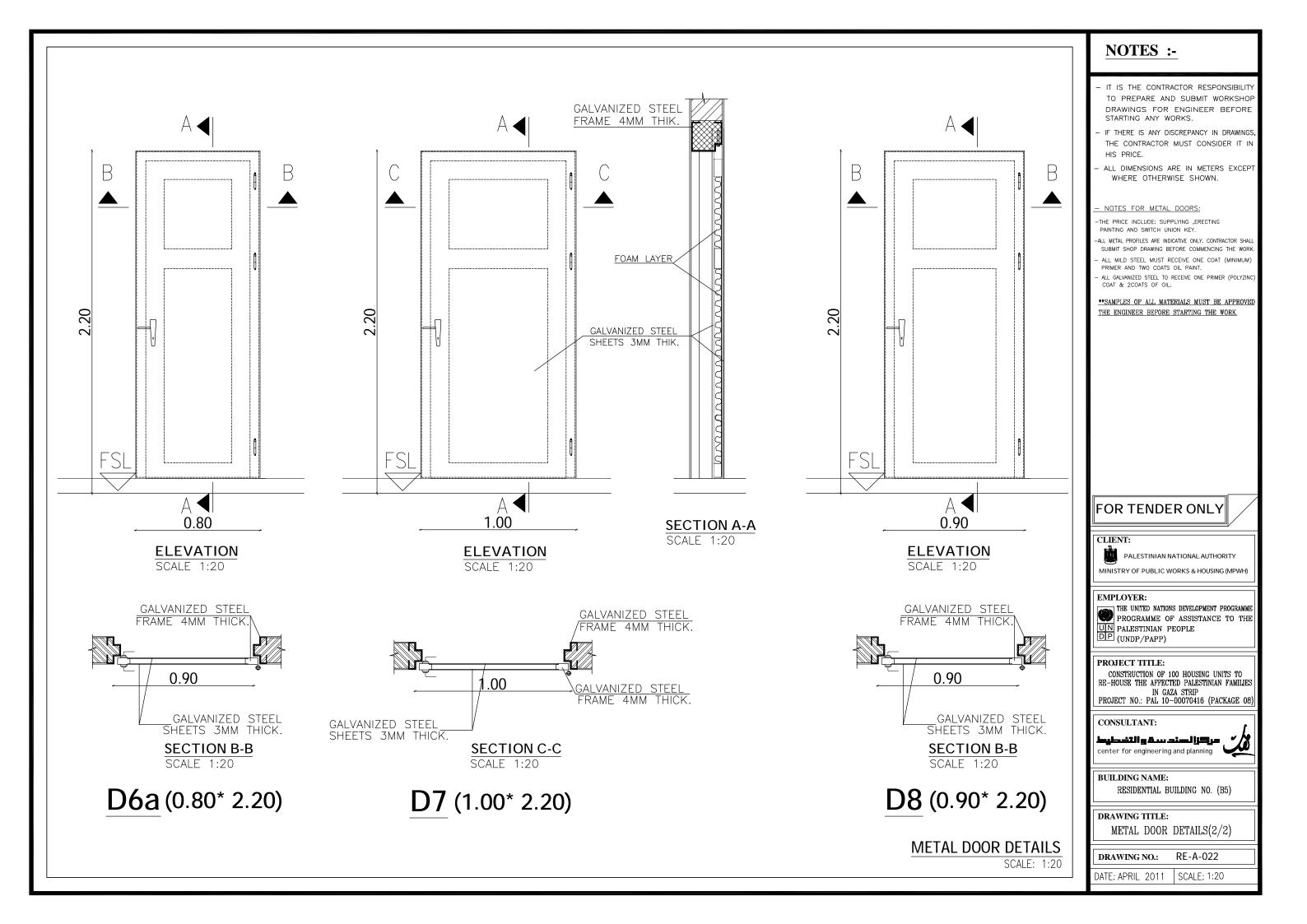
التشطيبا ت	چدول
ق المتكرر	į (b) (

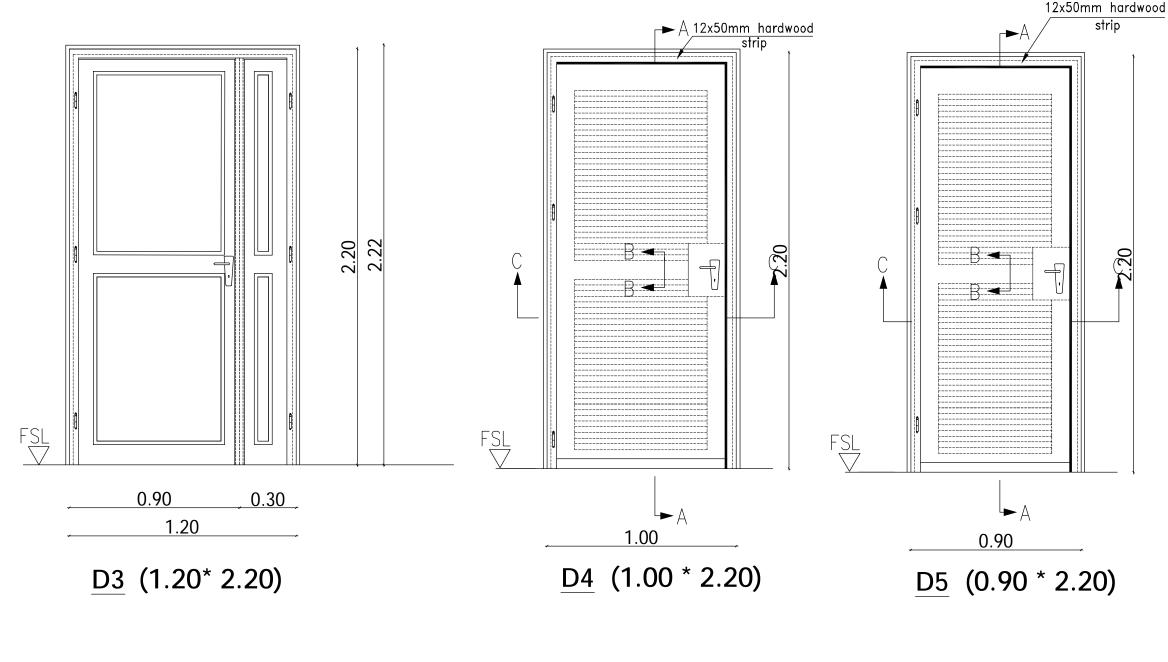
البلاكين	الادراج	دورات الصياه	الدمامات	غرف النوم	ا لمورْعا ت	المطابخ	ميالات المدخل	غرف الصعيشة	غرف الفيوف	الرقح	نوع التشطيب	البند
۲				٩	•		٠	۲	٩	1	بلاط کسر رخام	
		۲	۲			۲				2	بلاط کرا میکا	€
	•									Ŋ	رځام أو جرانيت	
۲	۲			•	۲		•	•	۲	1	قصارة ودهان سوبرڪريل	
		۲	•			٢				2	بلاط كراميكا حتى السقف	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

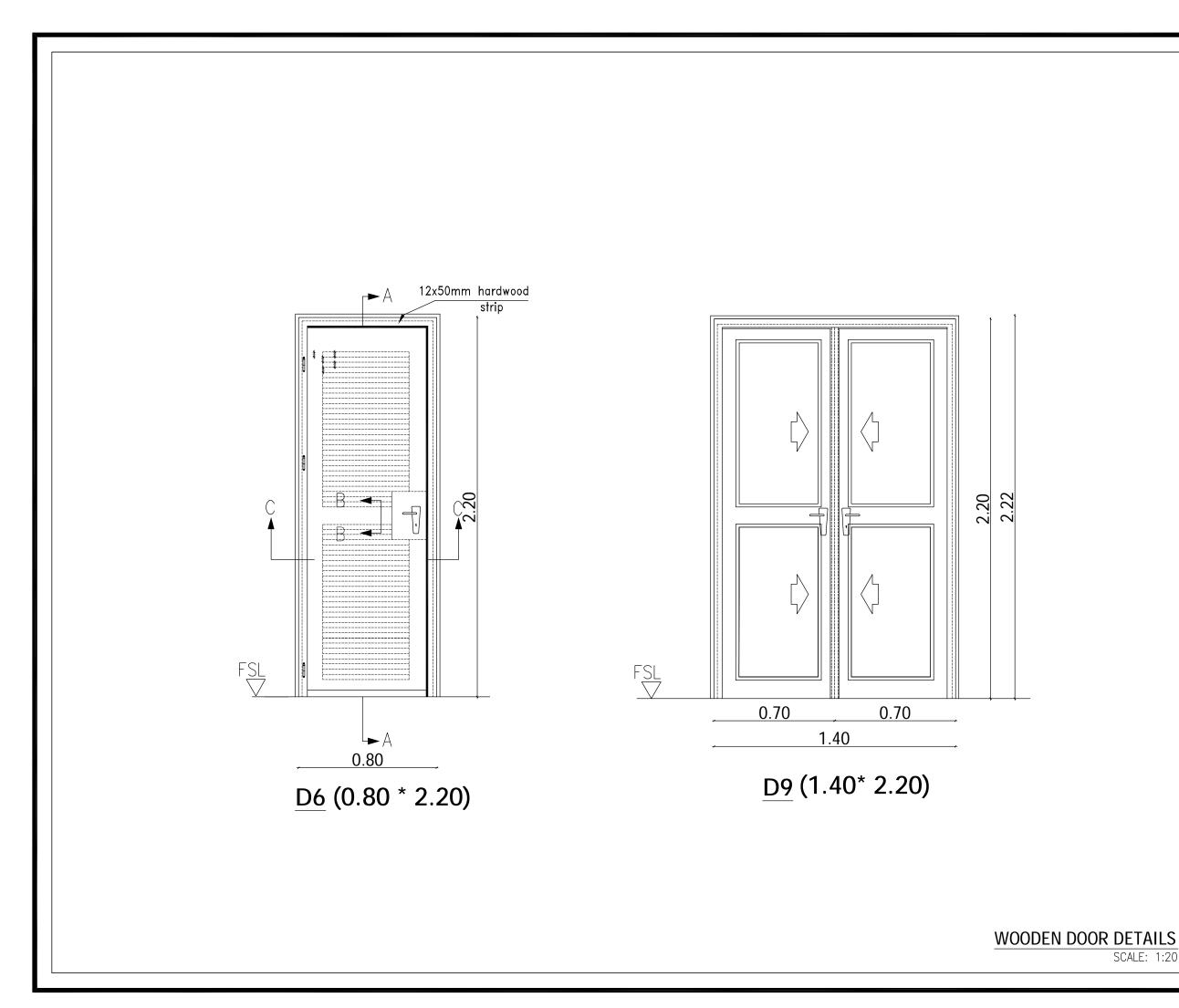


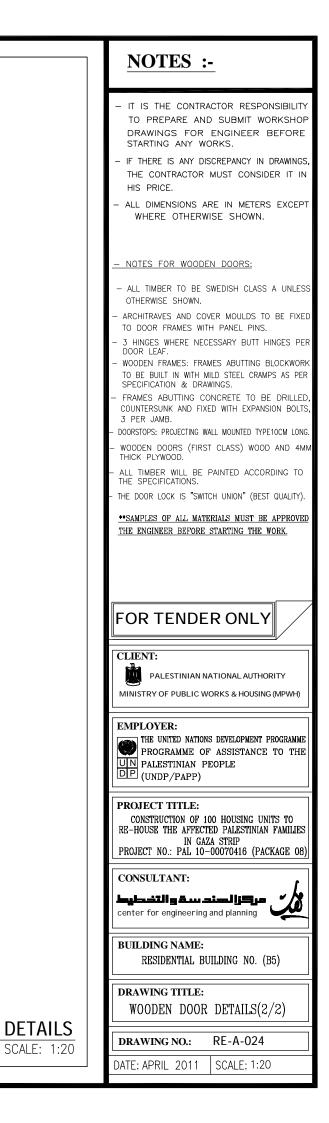


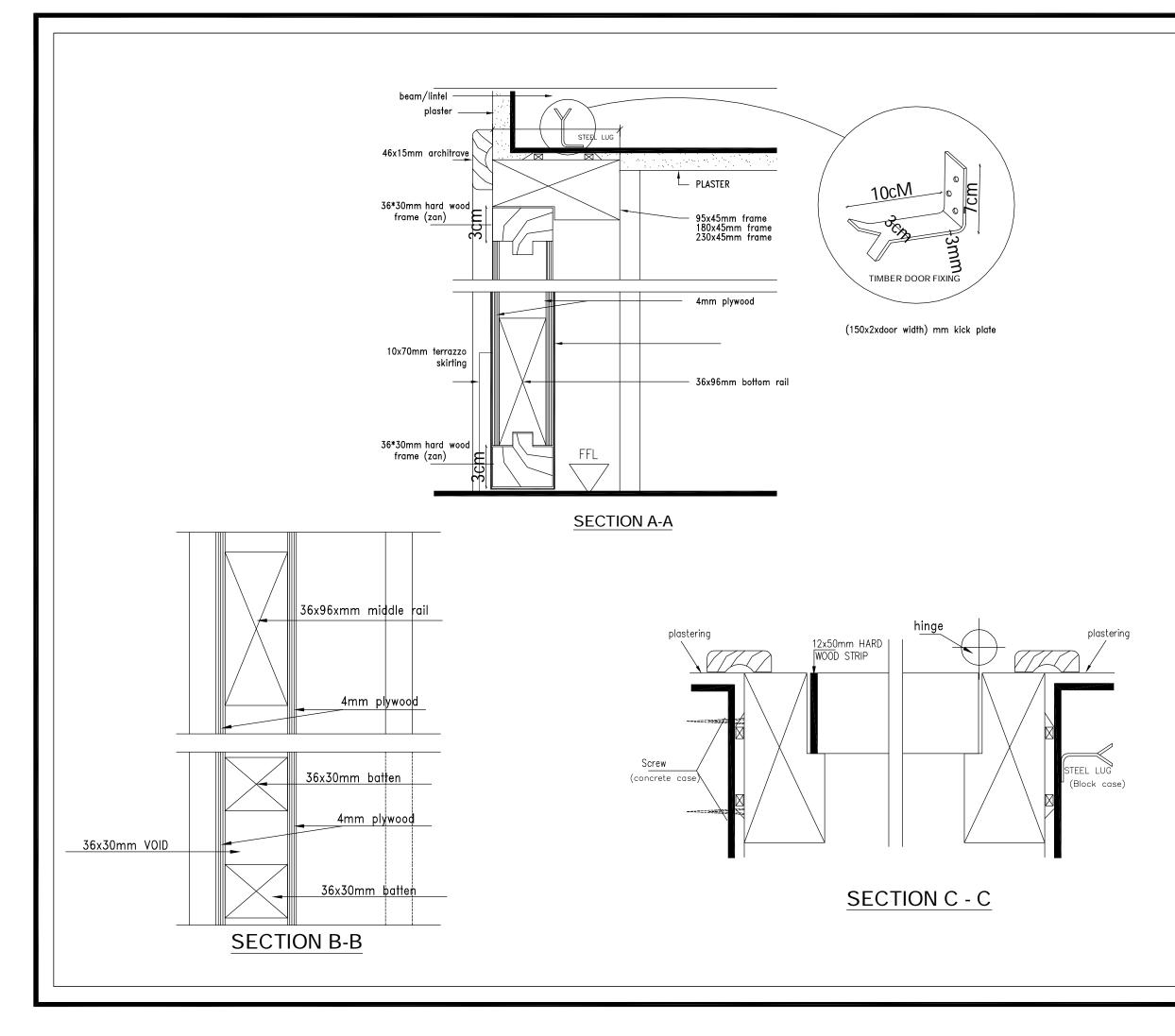


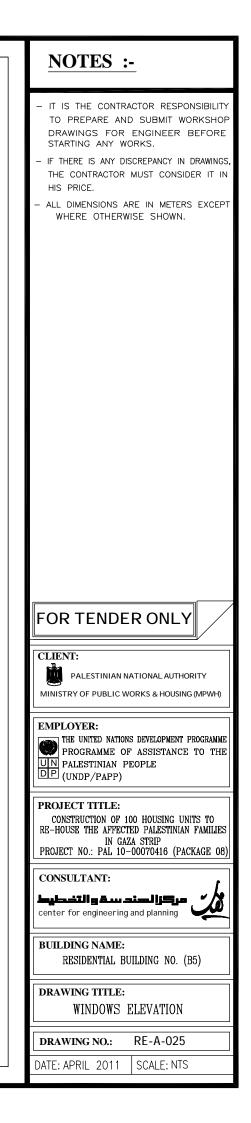
WOODEN DOOR DETAILS

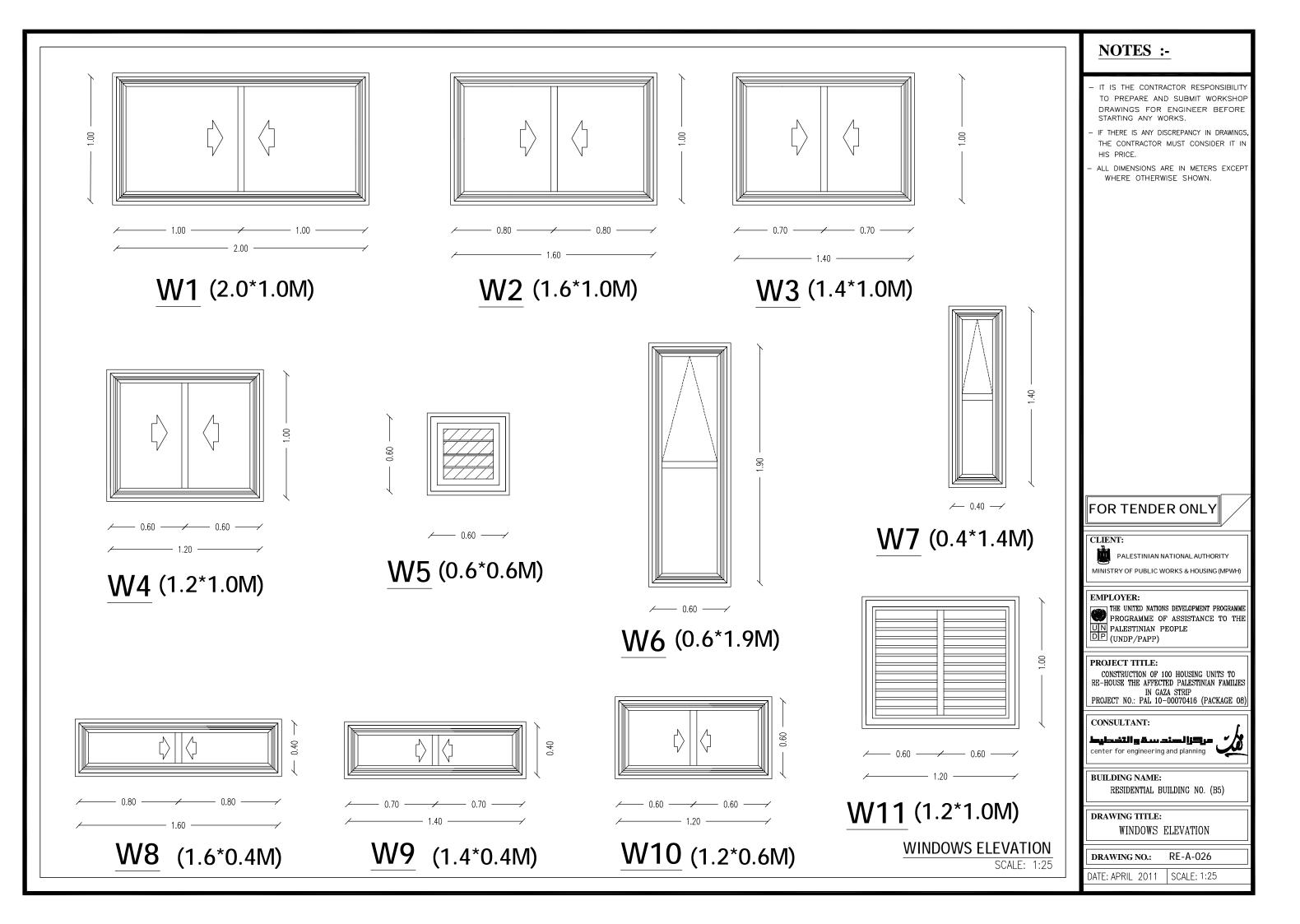
NOTES :-- IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE STARTING ANY WORKS. IF THERE IS ANY DISCREPANCY IN DRAWINGS THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. ALL DIMENSIONS ARE IN METERS EXCEPT WHERE OTHERWISE SHOWN. - NOTES FOR WOODEN DOORS: ALL 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

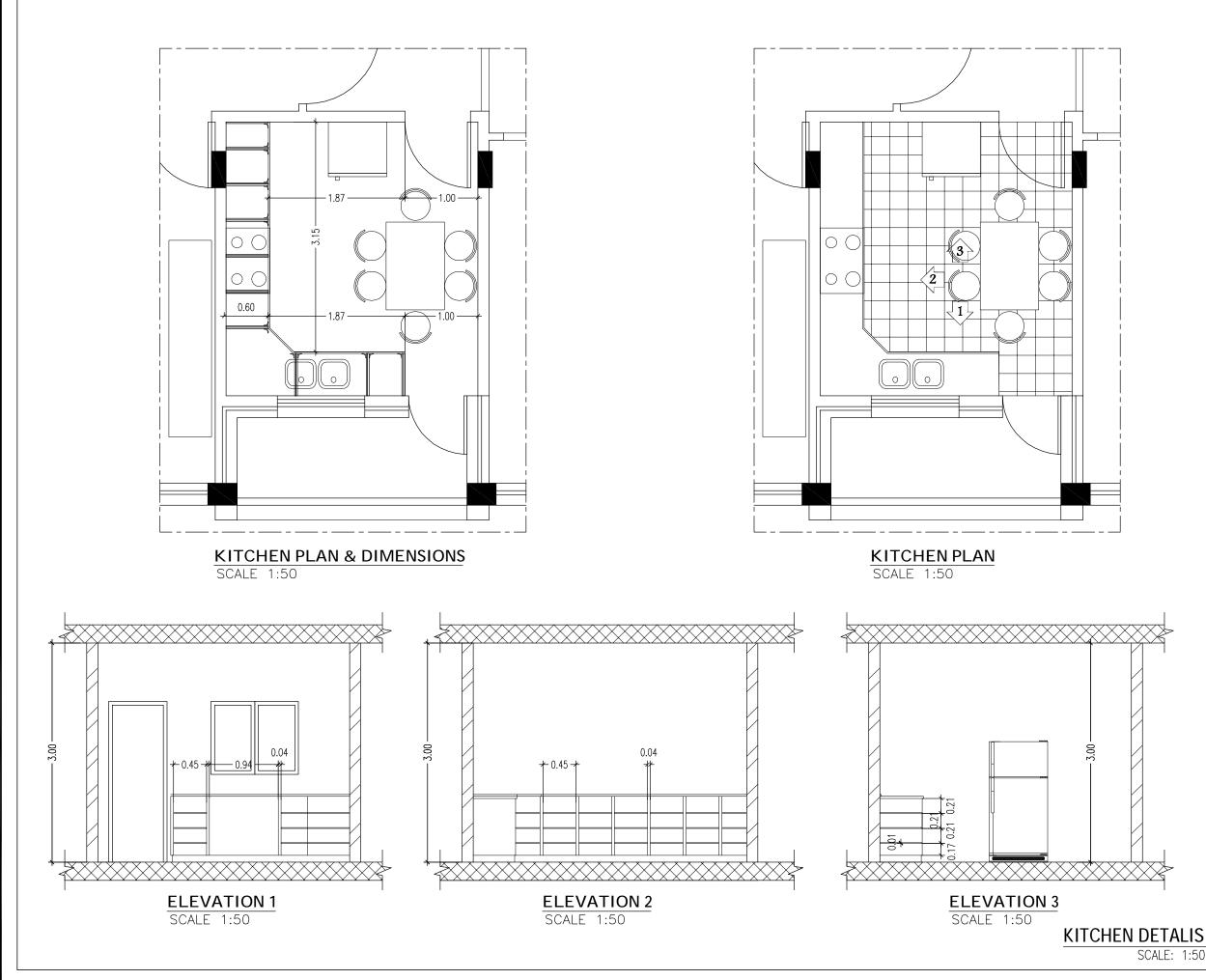


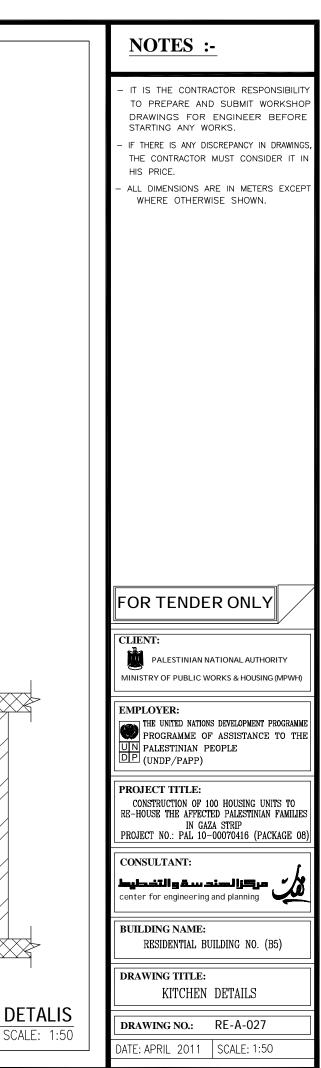


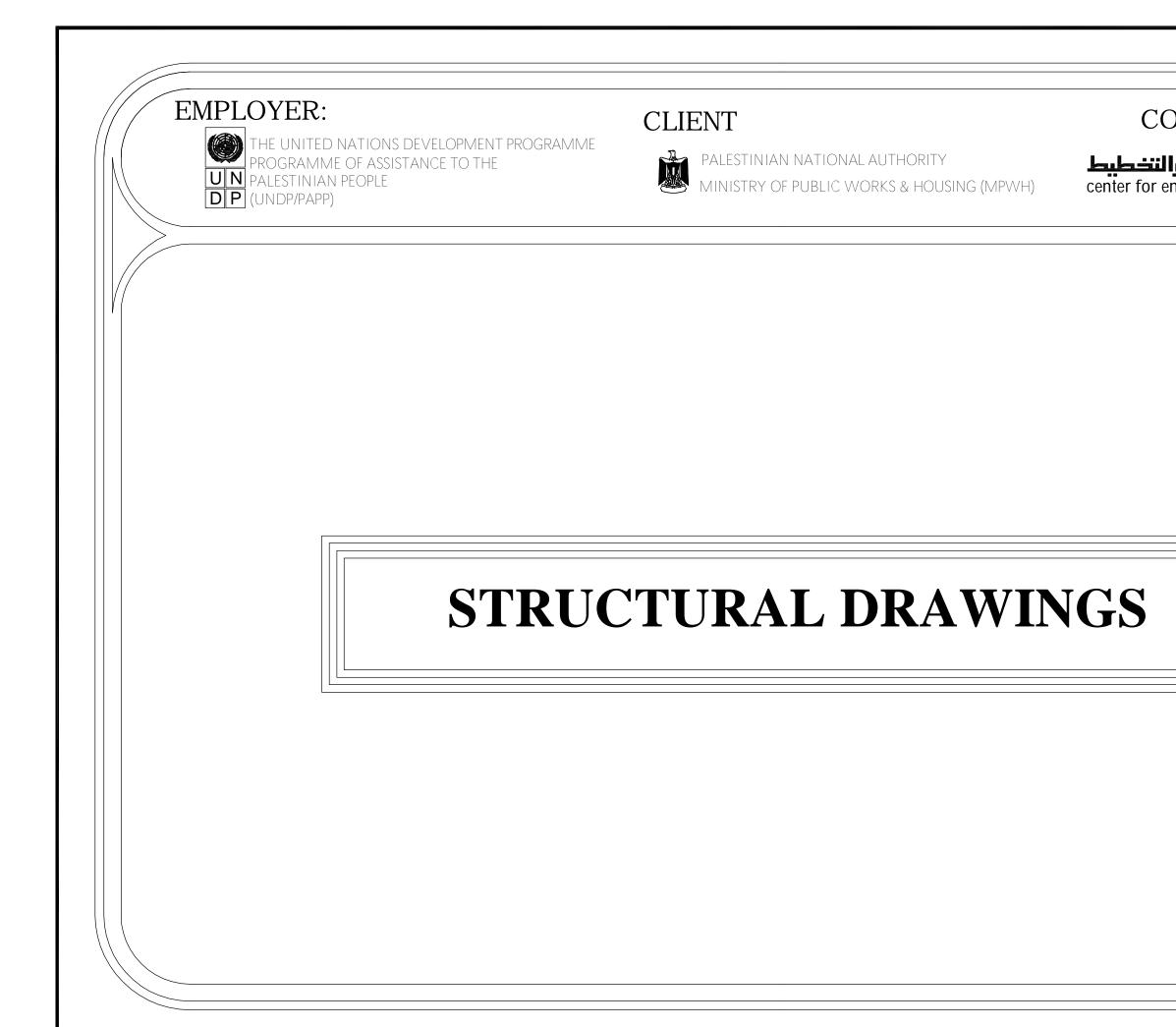














EMPLOYER:

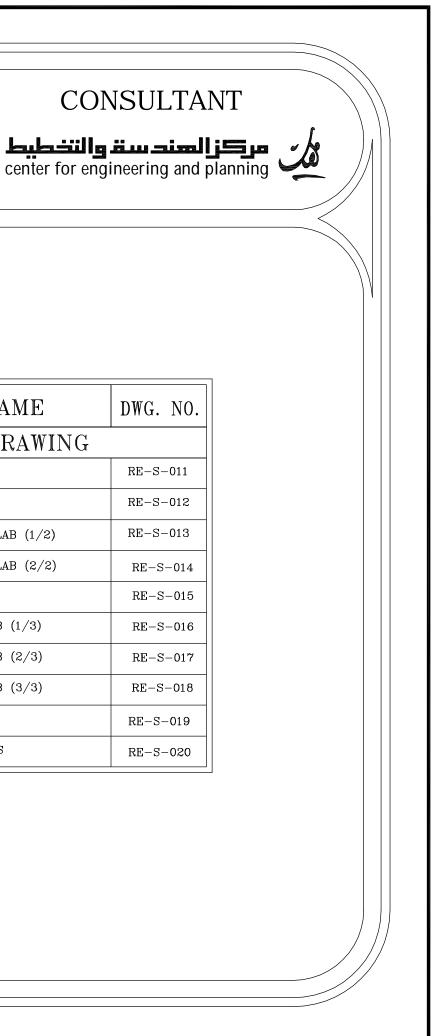


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE DP (UNDP/PAPP)

CLIENT



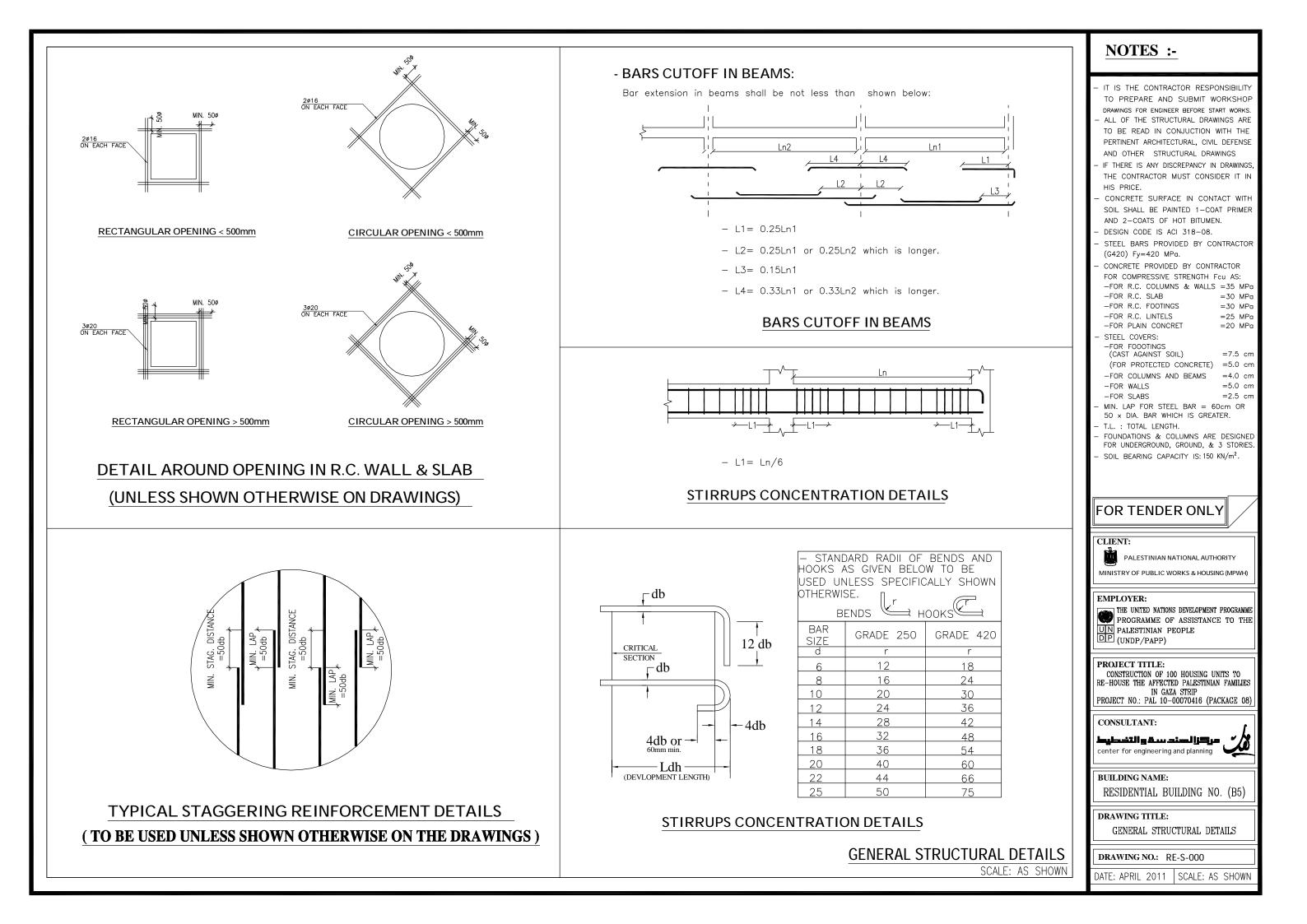
PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSI MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

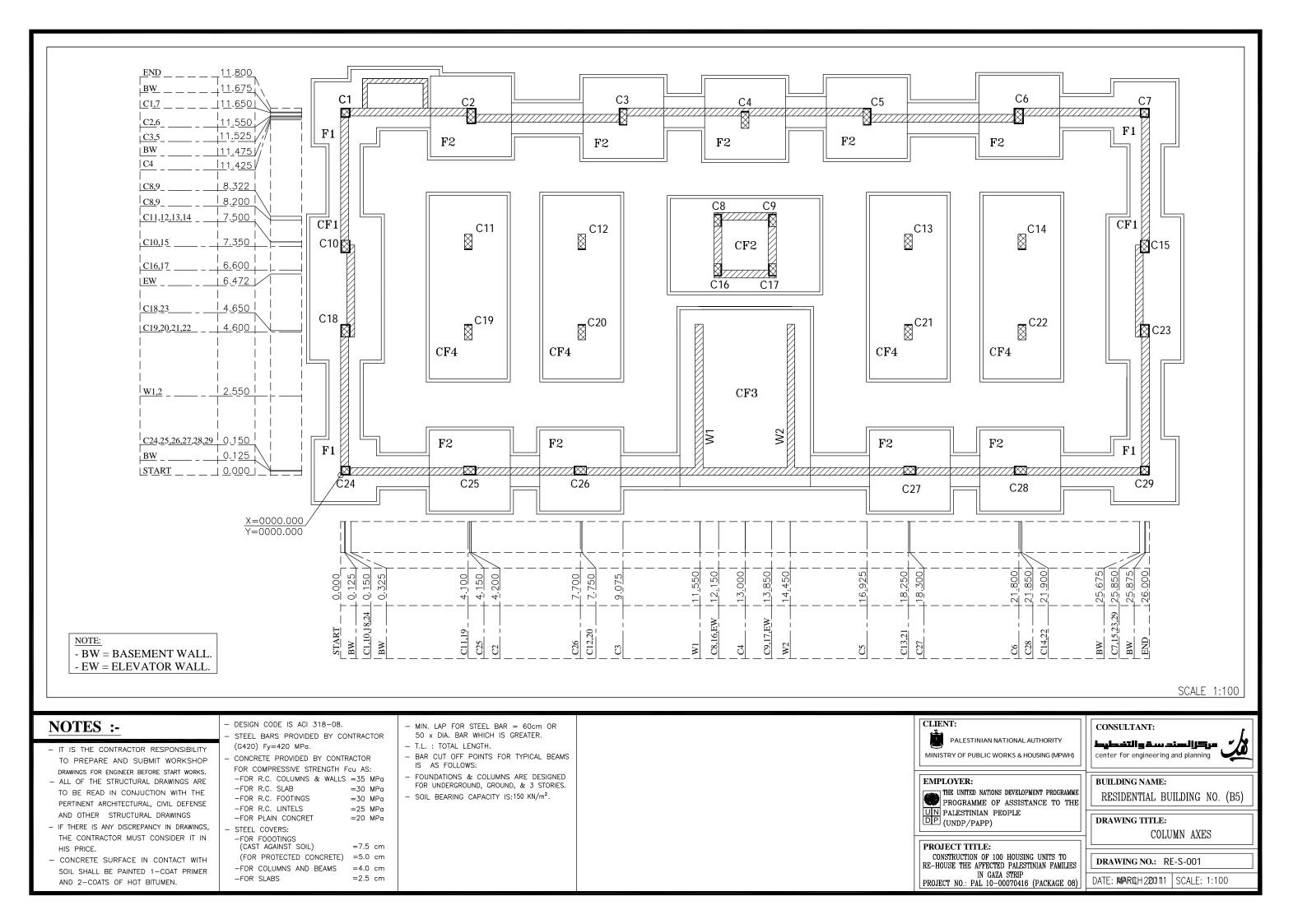


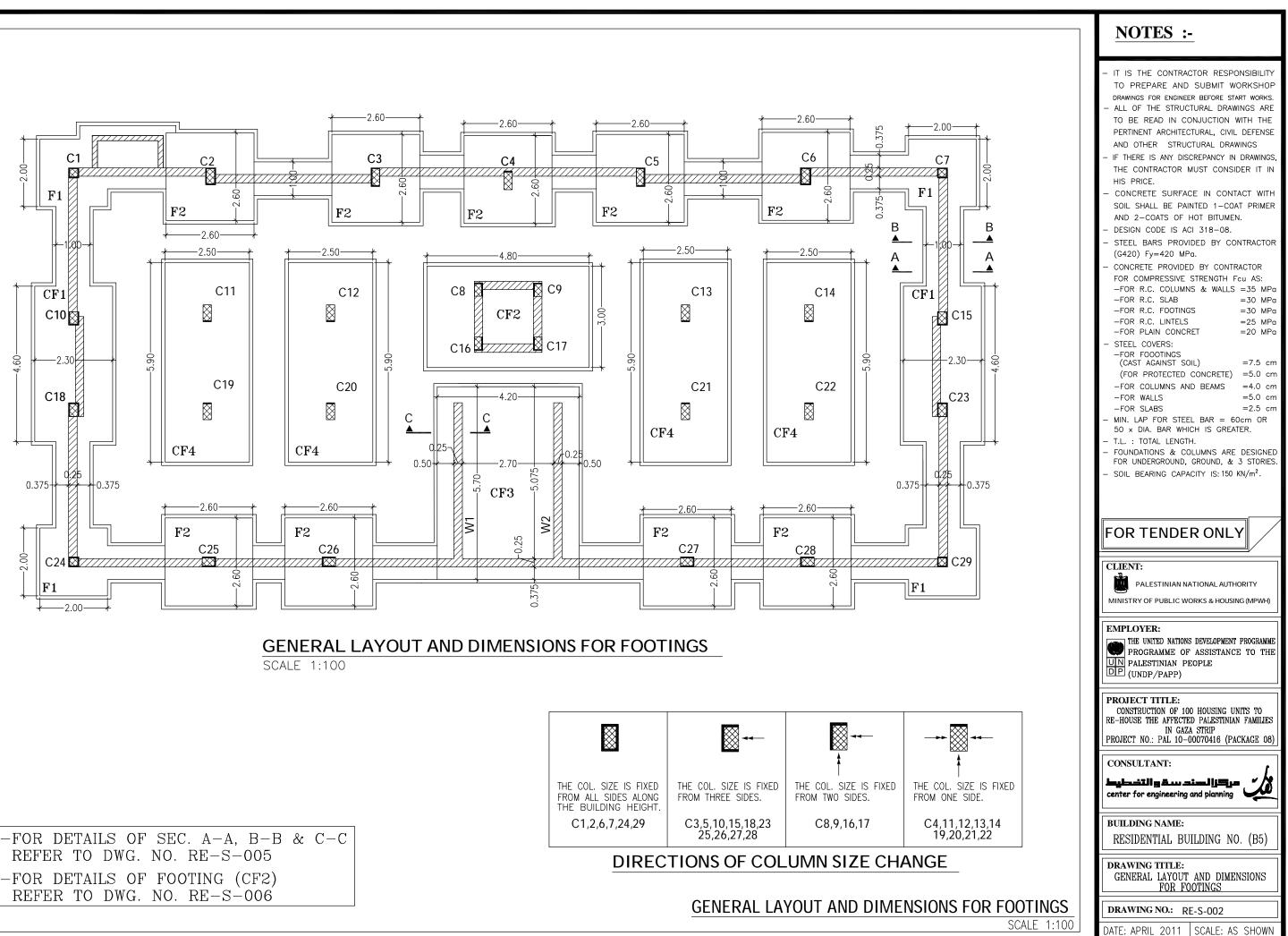
LIST OF DRAWINGS

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							



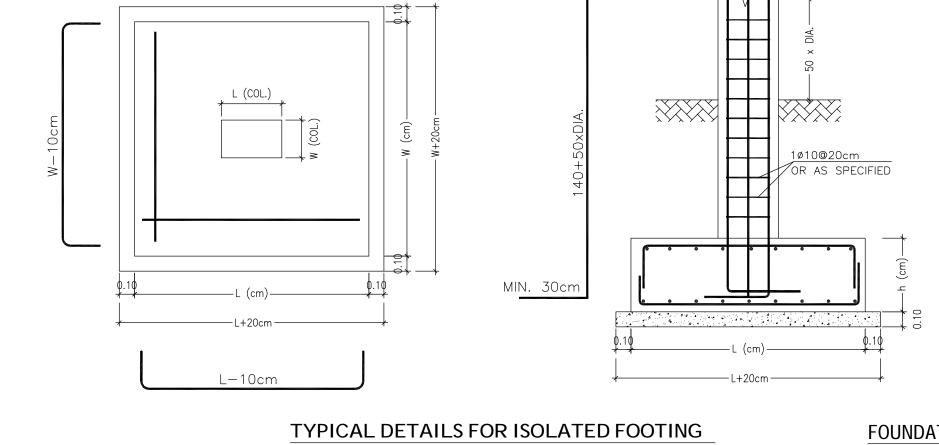




-FOR DETAILS OF SEC. A-A, B-B REFER TO DWG. NO. RE-S-005	&	С-С
-FOR DETAILS OF FOOTING (CF2) REFER TO DWG. NO. RE-S-006		

Table of	Footings	(ISOLATED)
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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)

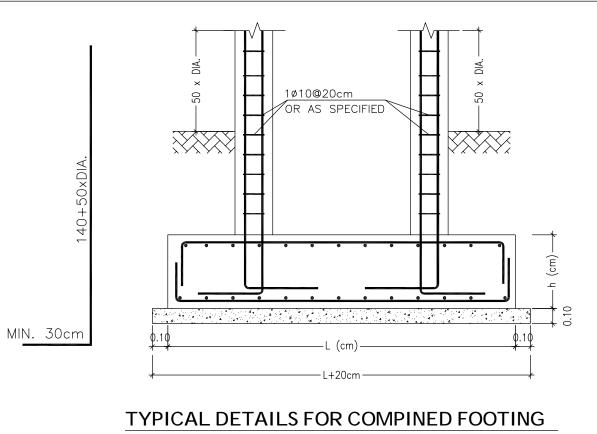
SCALE: AS SHOWN

 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 .



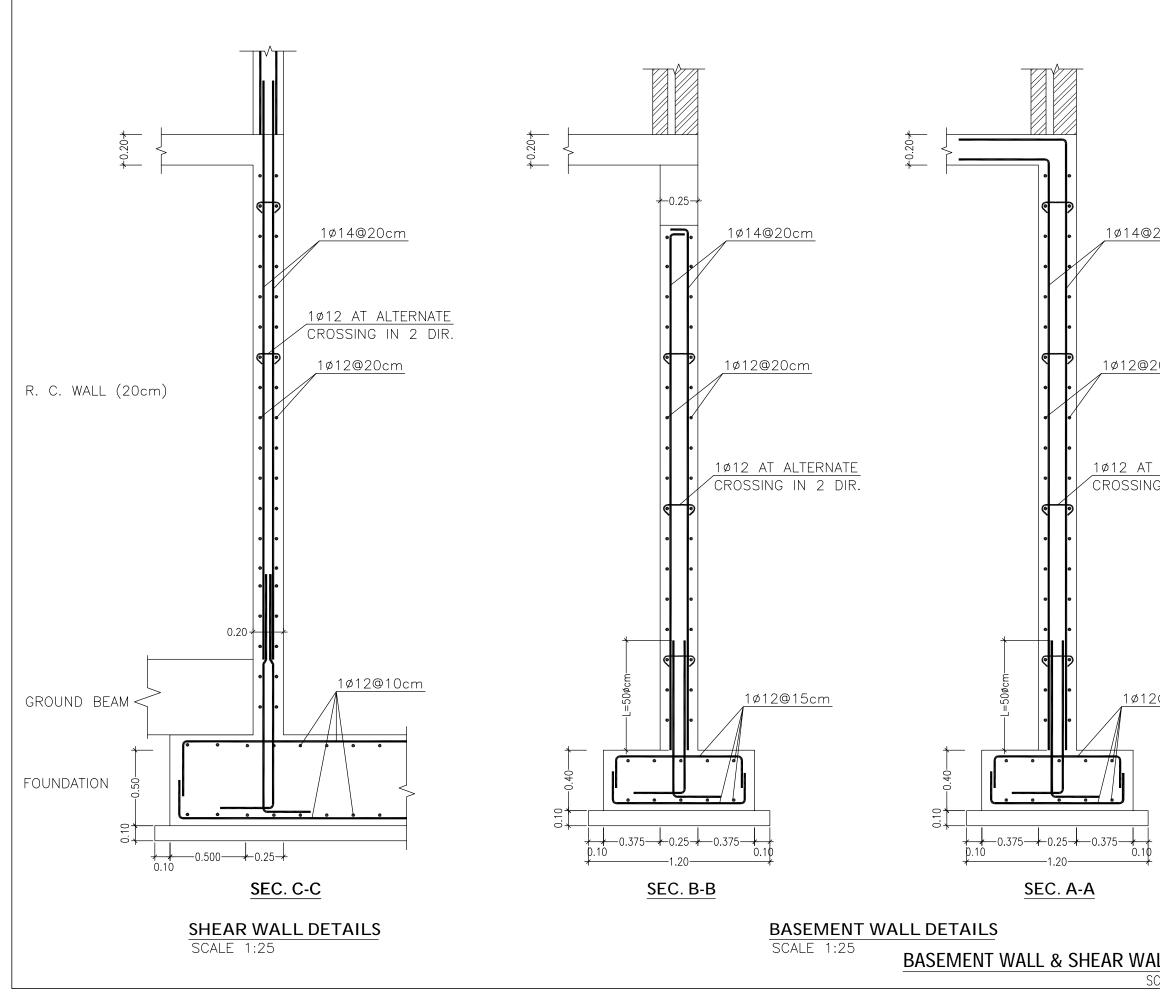
Table of Footings (COMBINED)

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

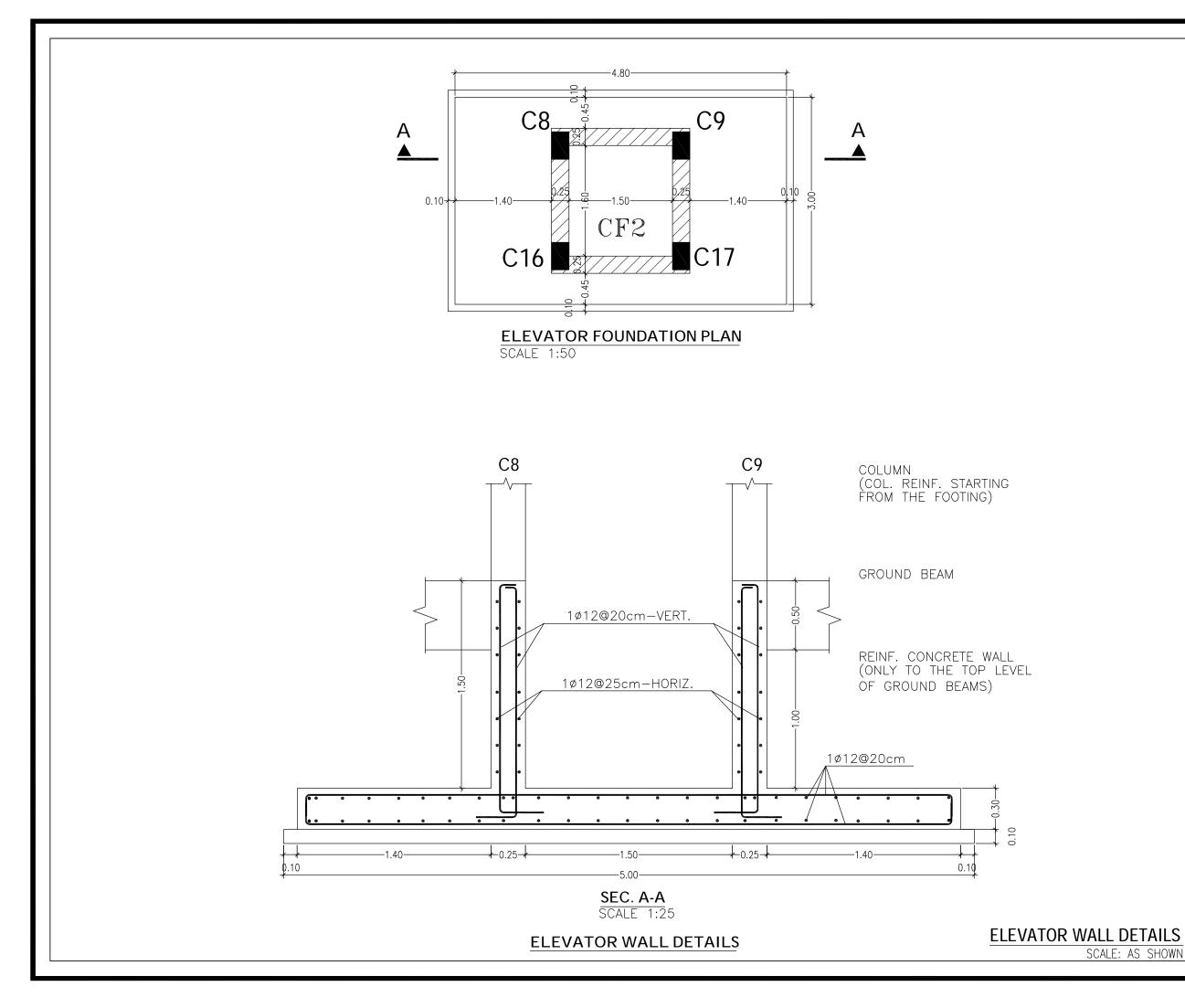


	 IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. 					
	 ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE 					
	AND OTHER STRUCTURAL DRAWINGS – IF THERE IS ANY DISCREPANCY IN DRAWINGS, 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					



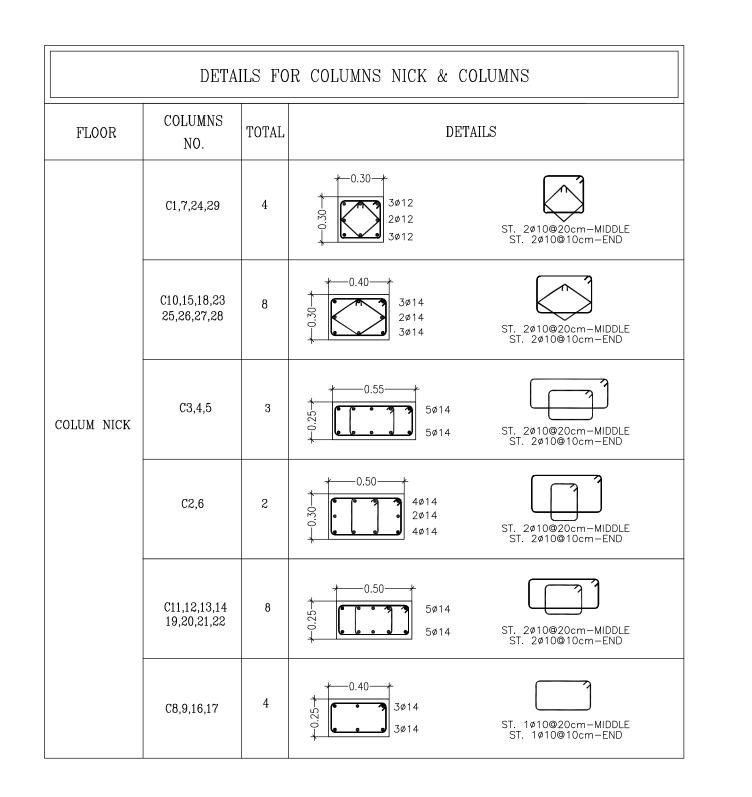


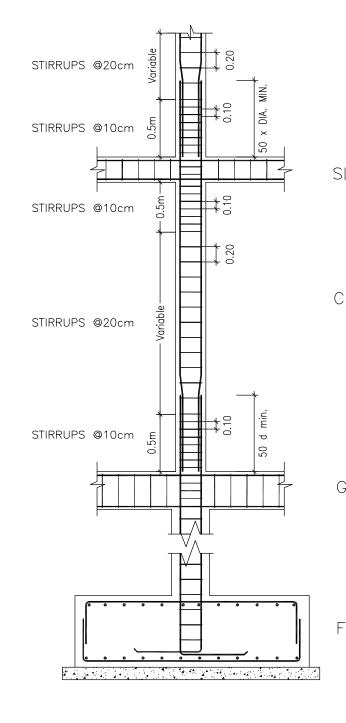
	<u>NOTES :-</u>
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<u>20cm</u>	 STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH Fcu AS: -FOR R.C. COLUMNS & WALLS =35 MPa FOR R.C. SLAB = 30 MPa FOR R.C. FOOTINGS = 30 MPa
<u>!0cm</u>	-FOR 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.
FOR TENDER ONLY
CLIENT: PALESTINIAN NATIONAL AUTHORITY
CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)
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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 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

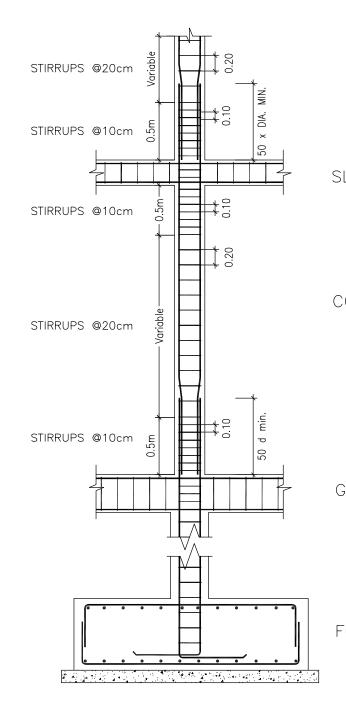
NOT TO SCALE

COLUMNS DE

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	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			



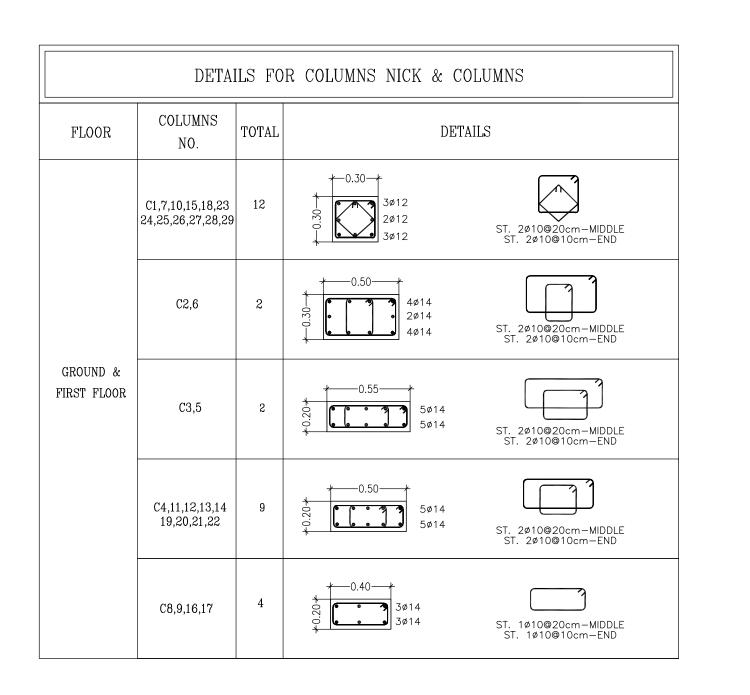
TYPICAL DETAILS FOR COLUMN STIRRUP SPACING

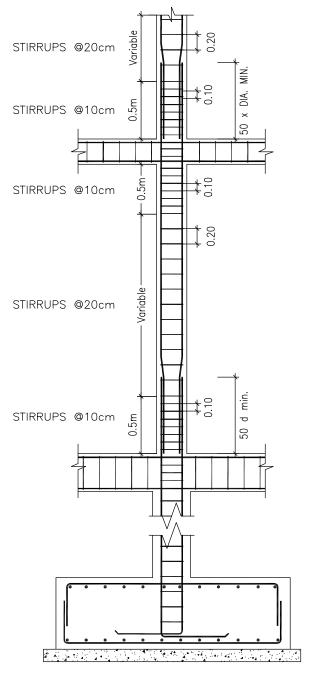
NOT TO SCALE

COLUMNS DE

SC

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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

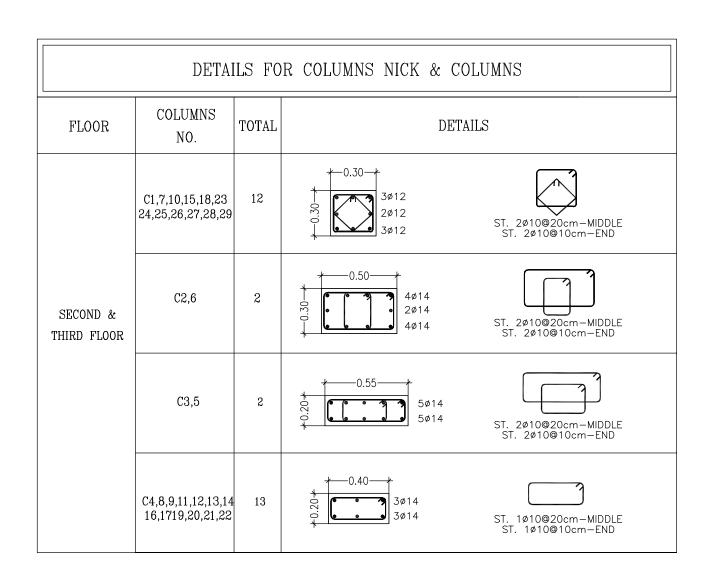


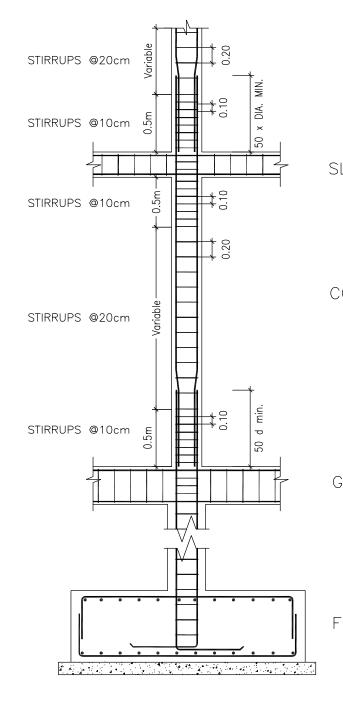


TYPICAL DETAILS FOR COLUMN STIRRUP SPACING NOT TO SCALE

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
	DATE, AFTIL ZUTT SUALE: AS SHUWN

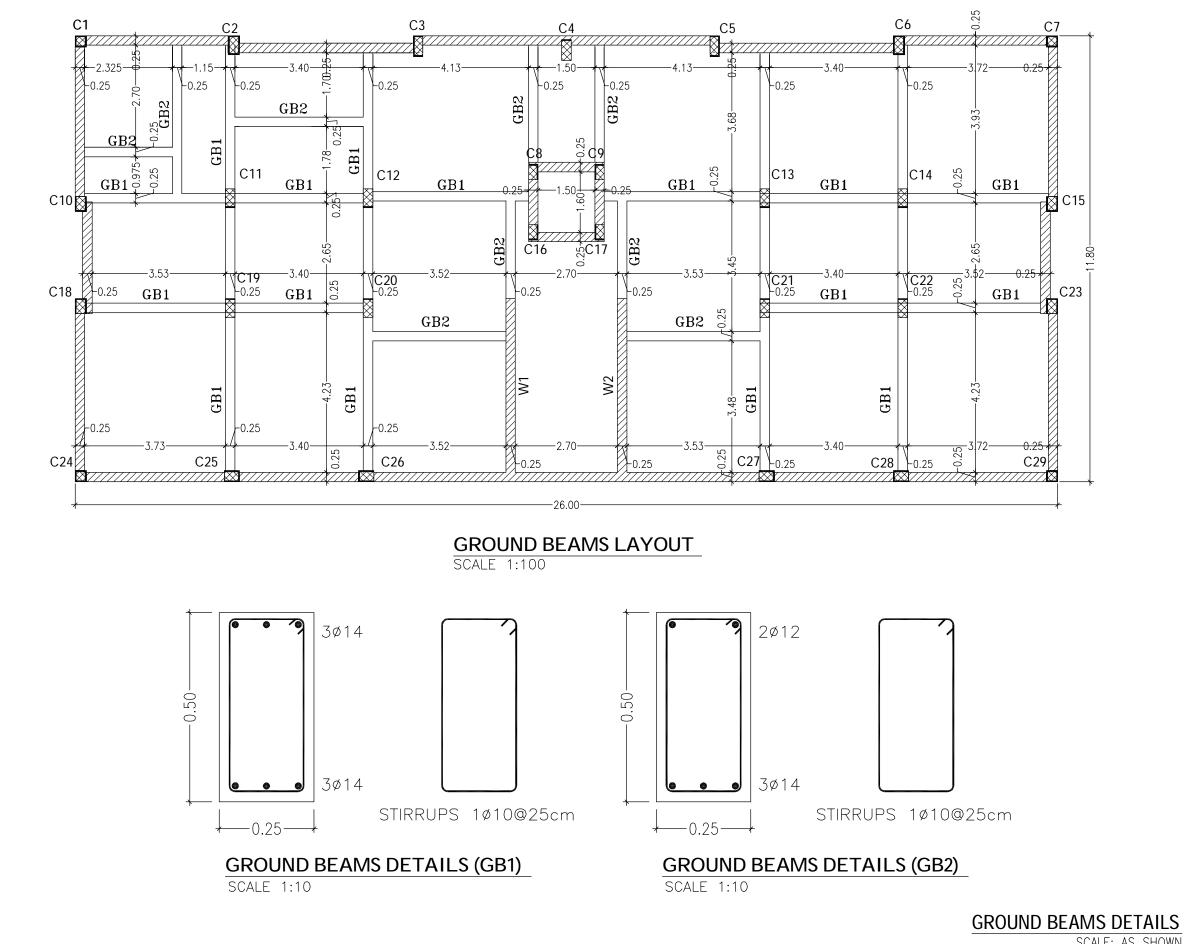




TYPICAL DETAILS FORCOLUMN STIRRUP SPACINGNOT TO SCALE

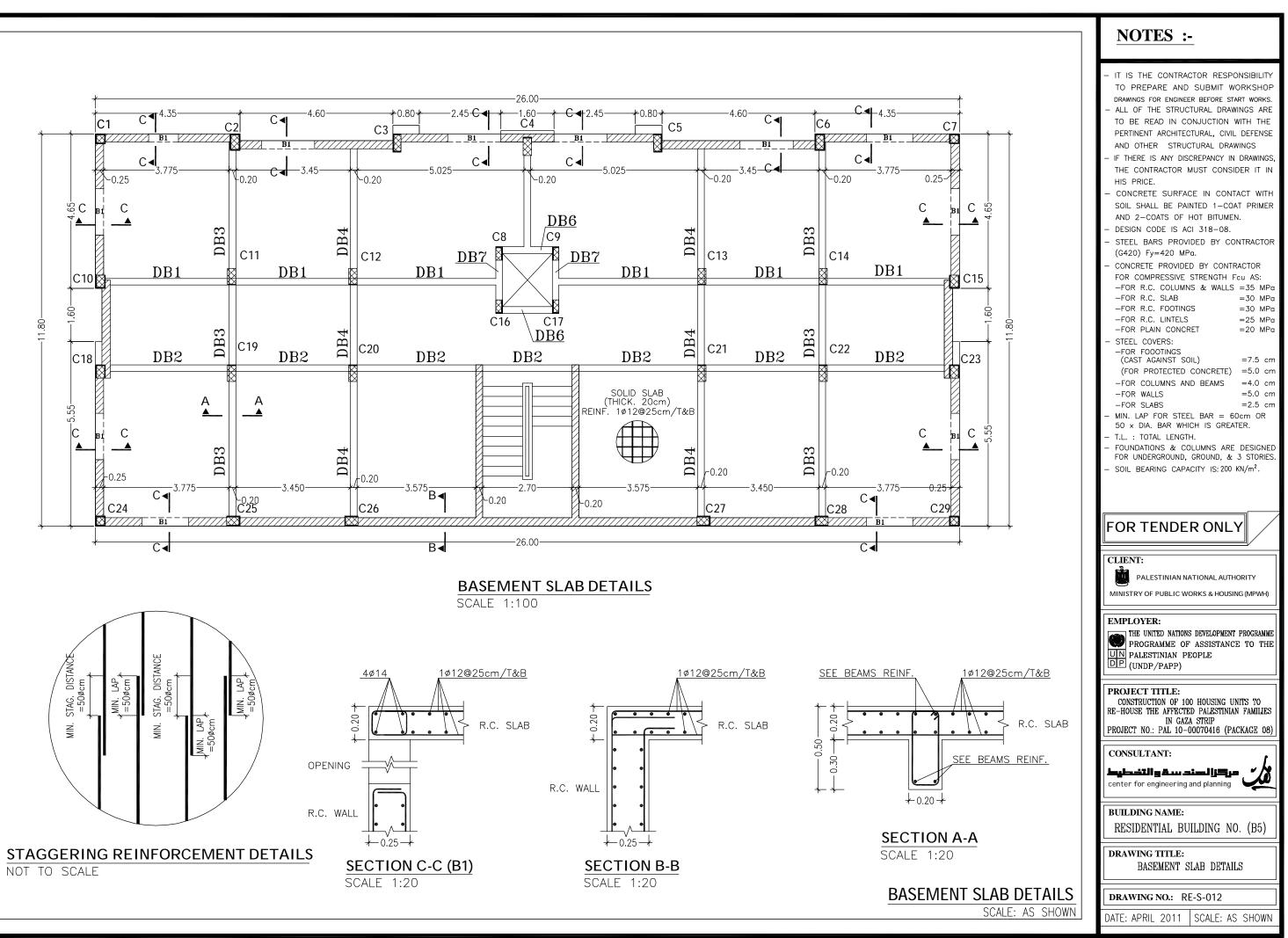
COLUMNS DE

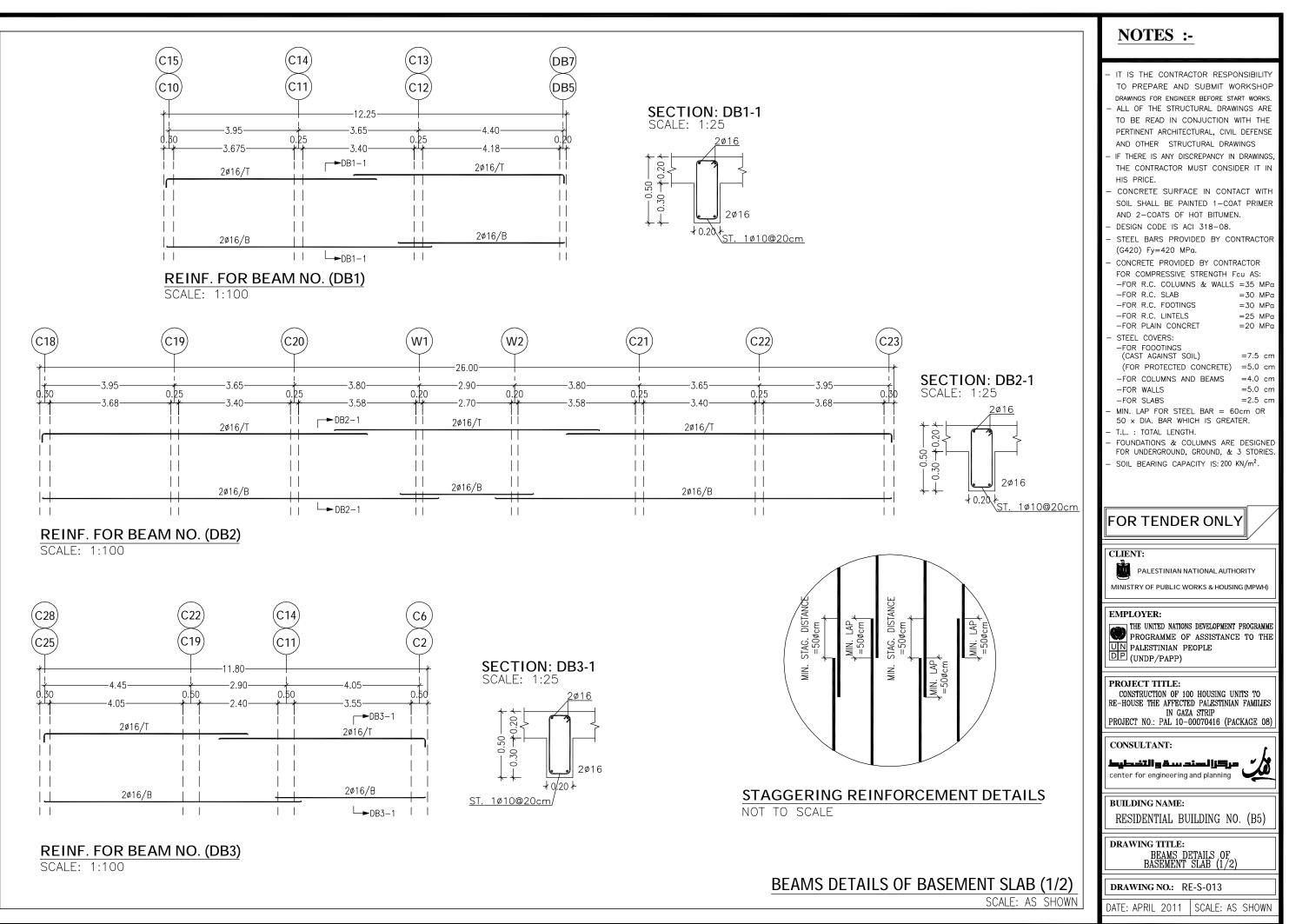
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	- SOIL BEARING CAPACITY IS: 200 KN/m ² .
G. BEAM	CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)
OUND.	EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE DP (UNDP/PAPP)
	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

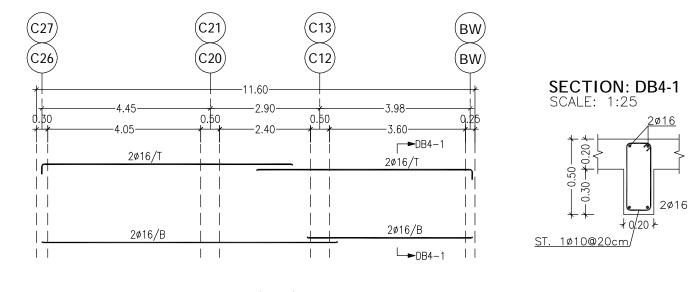


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FOR TENDER ONLY
FOR TENDER ONLY
CLIENT: Palestinian National Authority
CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE
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
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: babeating & unaming and a strip
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 and planning CONSULTANT: Laberting and planning
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	

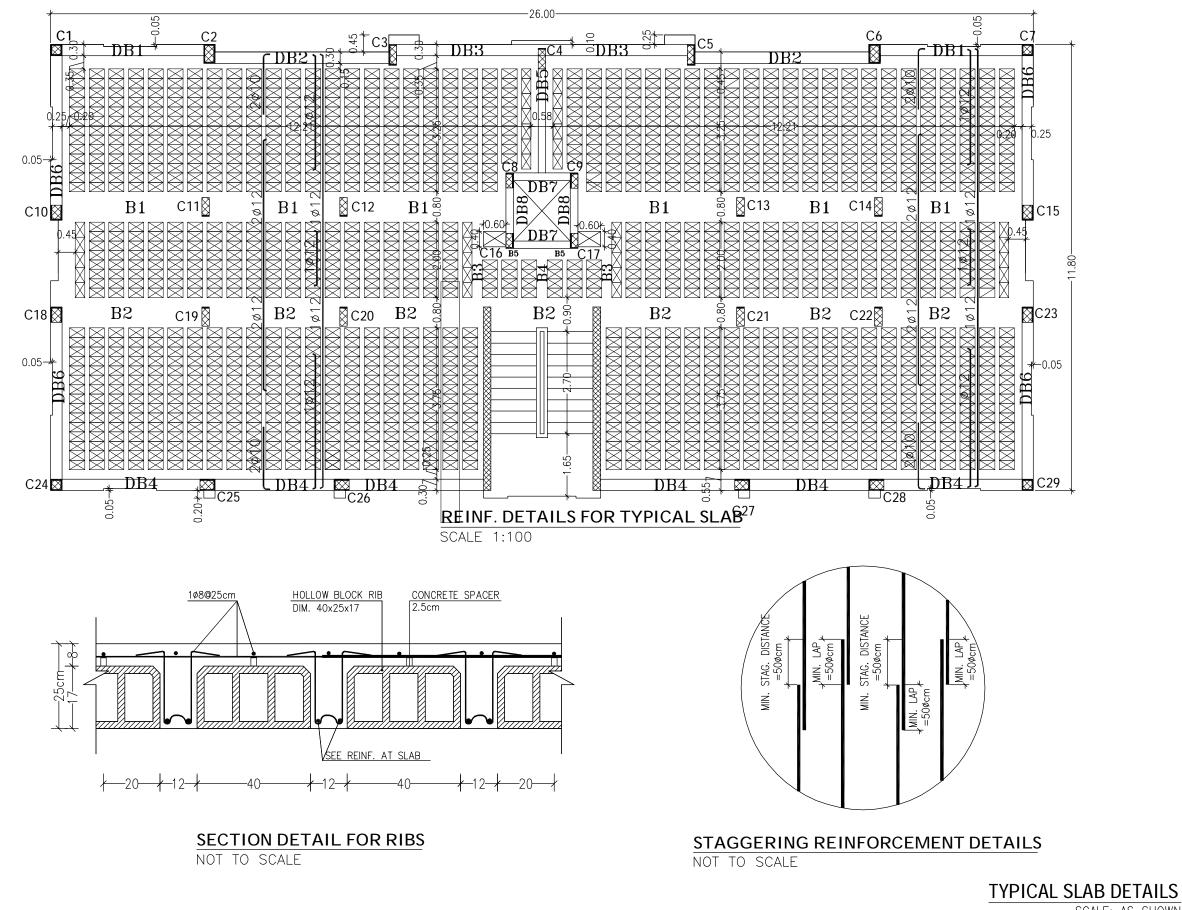
NO.	DIM		воттом	TOP	STIRRUPS
	<i>W</i> .	Н.	REINF.	REINF.	
DB5	20	50	2ø16	2ø16	1ø10/20cm
DB6	20	50	2ø16	2ø16	1ø10/20cm
DB7	20	50	2ø16	2ø16	1ø10/20cm

BEAMS DETAILS OF BASEMENT SLAB (2/2

NOTES .

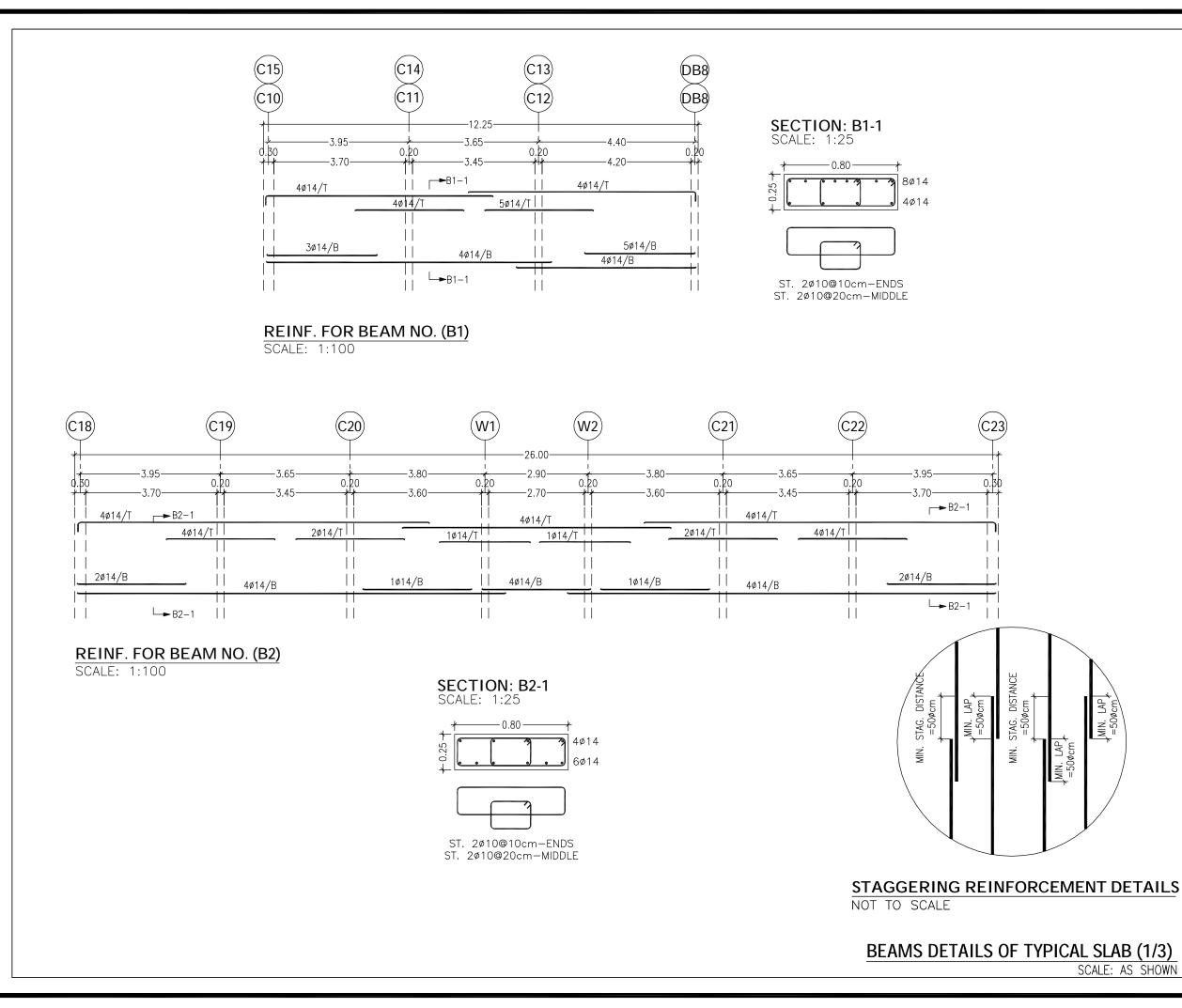
	NOILS
	 IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE START WORKS. ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUCTION WITH THE PERTINENT ARCHITECTURAL, CIVIL DEFENSE AND OTHER STRUCTURAL DRAWINGS IF THERE IS ANY DISCREPANCY IN DRAWINGS, THE CONTRACTOR 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 R.C. COLUMNS & WALLS =35 MPa -FOR R.C. COLUMNS & WALLS =35 MPa -FOR R.C. COLUMNS & WALLS =35 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 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
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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)

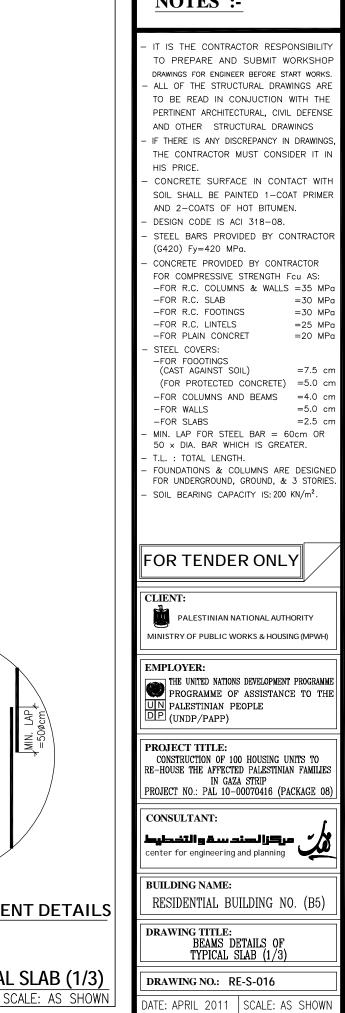
SCALE: AS SHO

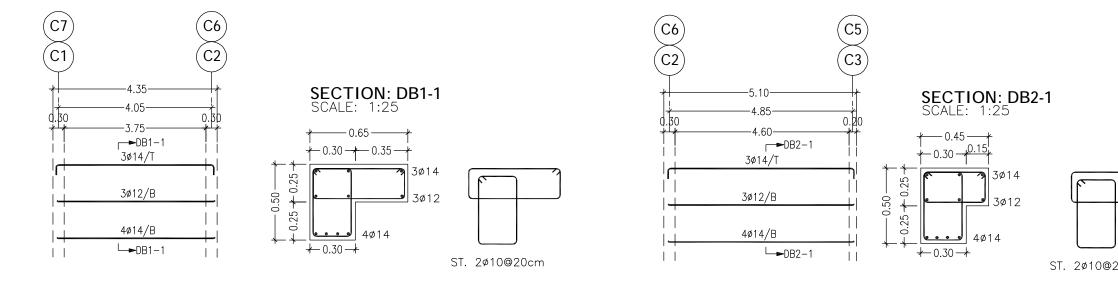


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CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION 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

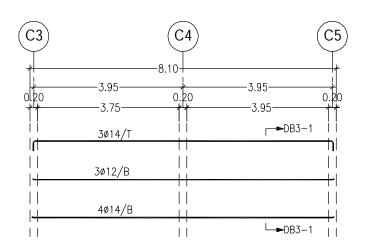


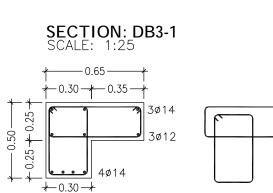




REINF. FOR BEAM NO. (DB1)

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*-+*

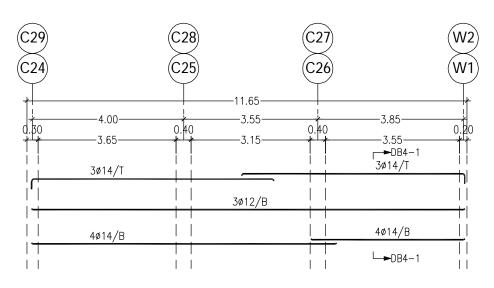
0.25

- 0.50 -- 0.25 + 0

+ +

REINF. FOR BEAM NO. (DB3)

SCALE: 1:100



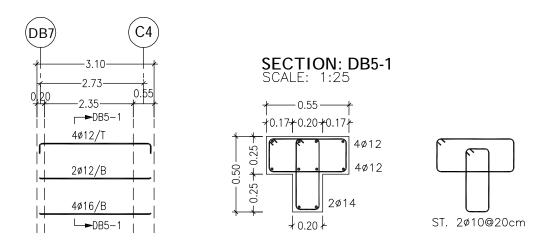
REINF. FOR BEAM NO. (DB4)

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.
	FOR TENDER ONLY 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 PROJECT NO: PAL 10–00070416 (PACKAGE 08) CONSULTANT: LUCATION OF 100 PLANCE CONSULTANT: LUCATION OF 100 PLANCE CONSULTANT: PLANCE
	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

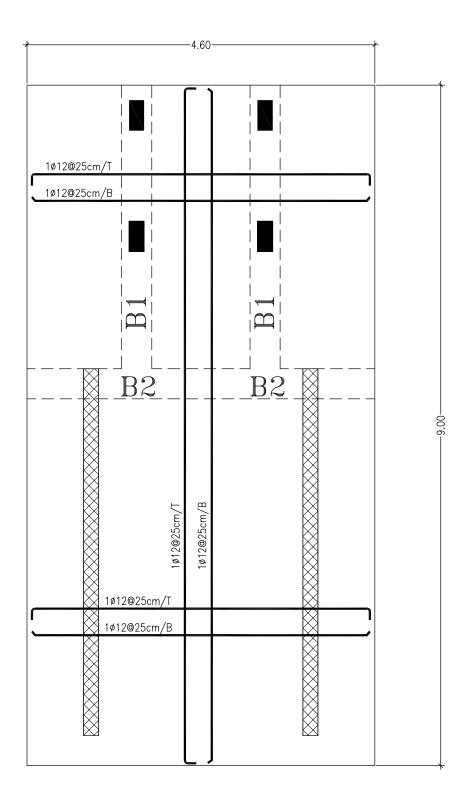
BEAMS REINFORCEMENT TABLE FOR TYPICAL SLAB

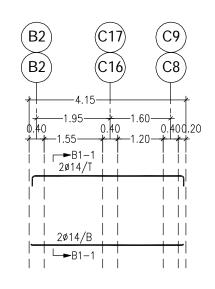
NO.	DIM		воттом	TOP	STIRRUPS
	<i>W</i> .	Н.	REINF.	REINF.	
DB6	30	50	4ø16	2ø12	1ø10/20cm
DB7	20	40	2ø14	2ø12	1ø10/20cm
DB8	20	40	2ø14	2ø12	1ø10/20cm
<i>B3</i>	25	25	2ø12	2ø12	1ø10/20cm
<i>B4</i>	25	25	2ø12	2ø12	1ø10/20cm
<i>B5</i>	30	25	2ø14	2ø12	1ø10/20cm

NOTEC

	<u>NOTES :-</u>
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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 - ★

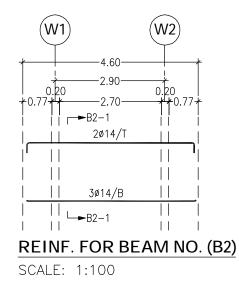
7 2ø14 2ø14

SCALE: 1:25

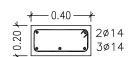
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REINF. FOR BEAM NO. (B1)

SCALE: 1:100







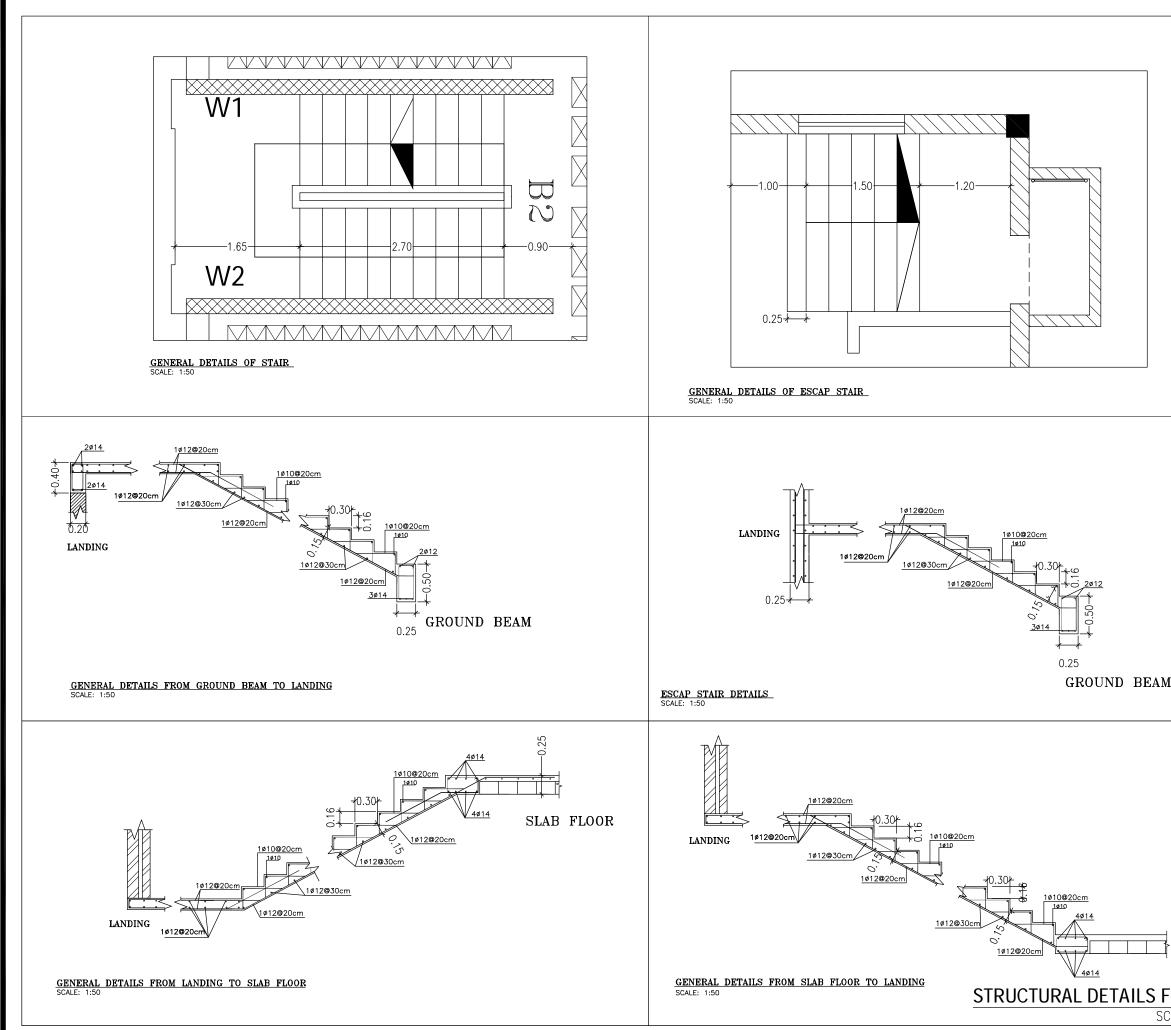


ST. 1ø10@7.5cm-ENDS ST. 1ø10@15cm-MIDDLE

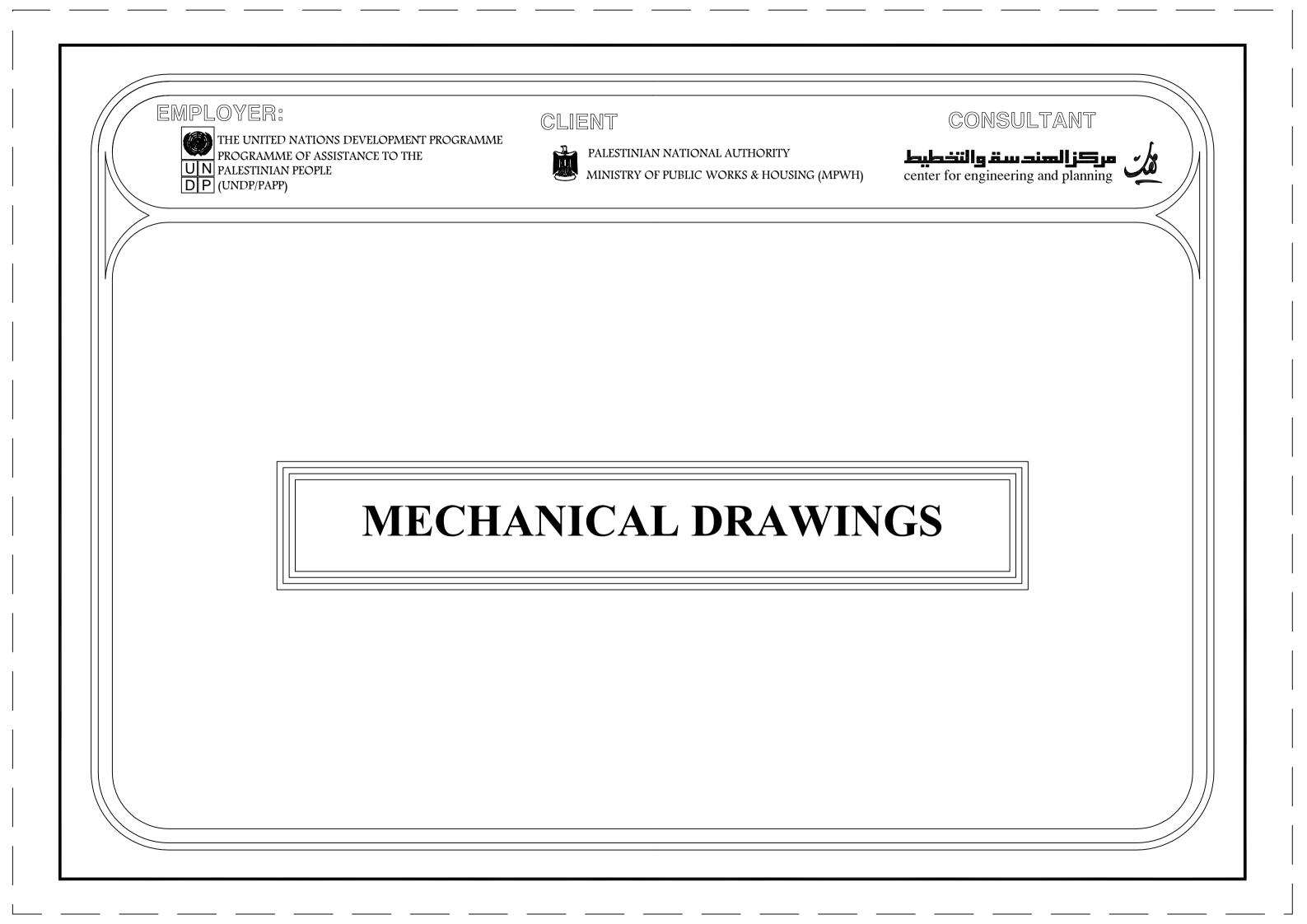
NOTES :-

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	 CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PAINTED 1-COAT PRIMER AND 2-COATS OF HOT BITUMEN.
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	-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: 200 KN/m ² .
	FOR TENDER ONLY
	CLIENT:
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	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 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



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	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

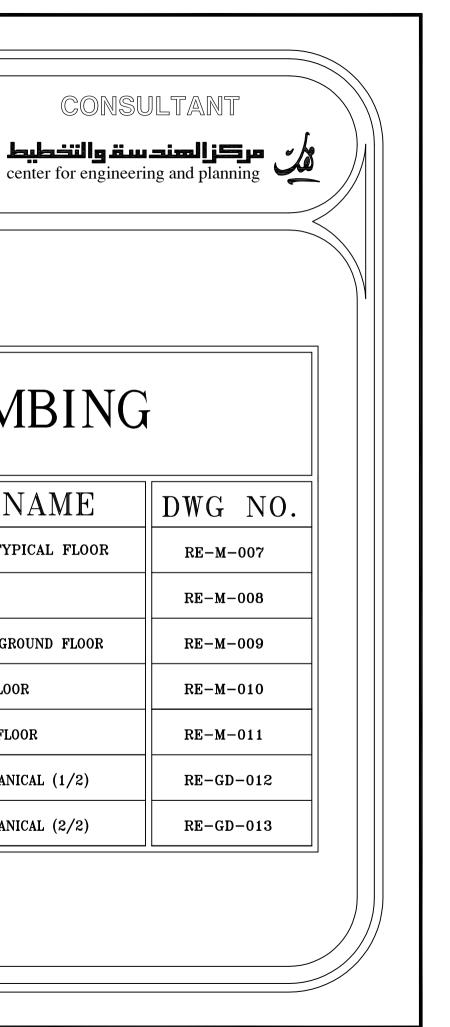


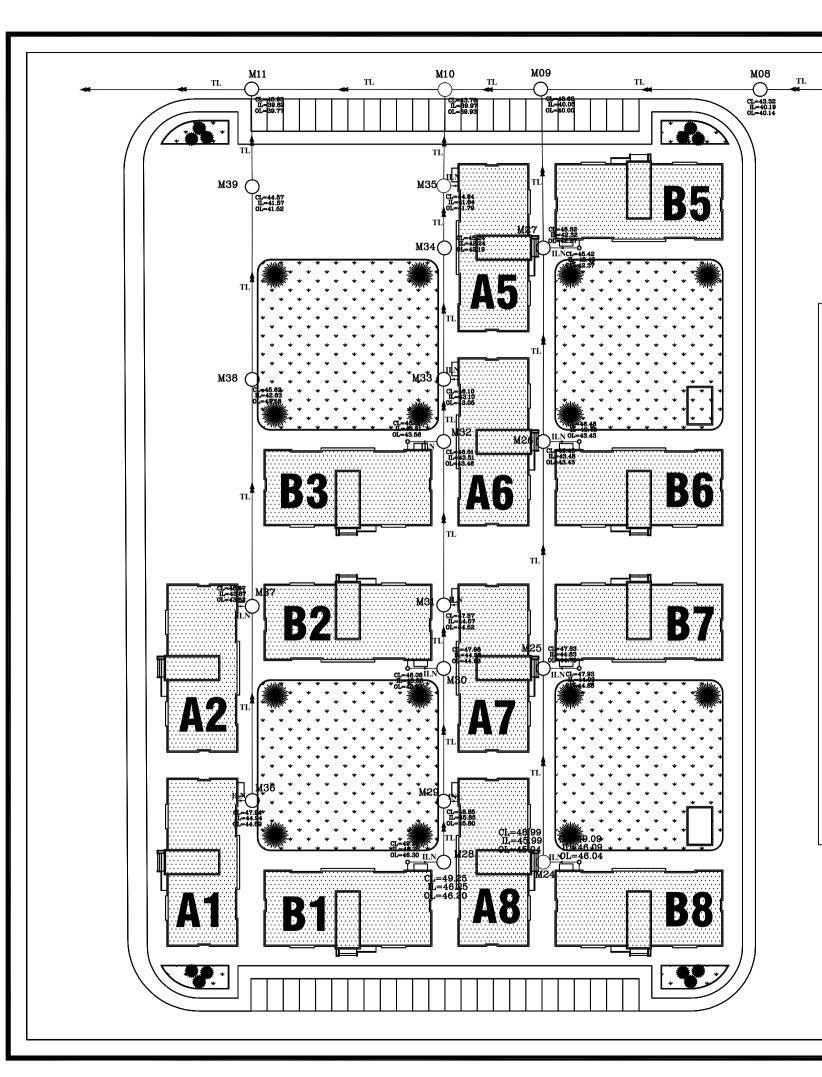
PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUS

MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

LIST OF DRAWINGS FOR PLUMBING

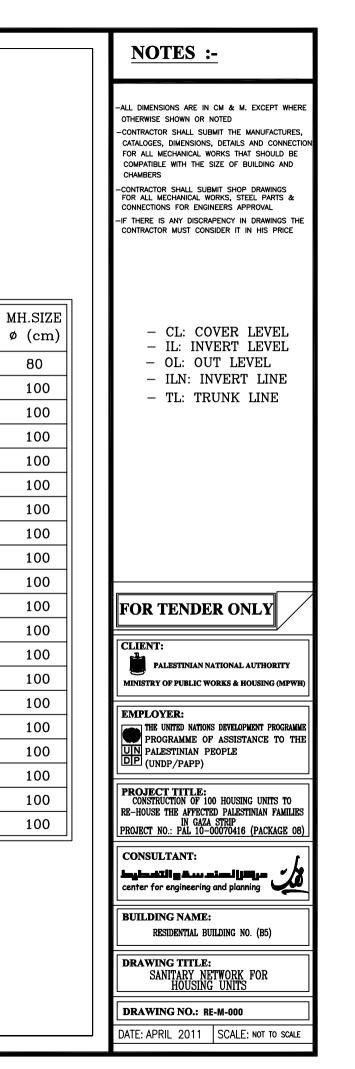
NO.	DRAWING NAME	DWG NO.	NO.	DRAWING NAME
00	SANITARY NETWORK FOR HOUSING UNITS	RE-M-000	07	SANITARY NETWORK FOR TYPICAL FLOOR
01	SEWER PIPE FOR THE BUILDING	RE-M-001	08	RAIN WATER FOR ROOF PLAN
02	WATER NETWORK FOR UNDERGROUND FLOOR	RE-M-002	09	WATER NETWORK FOR UNDERGROUND FLOOR
03	WATER NETWORK FOR 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)

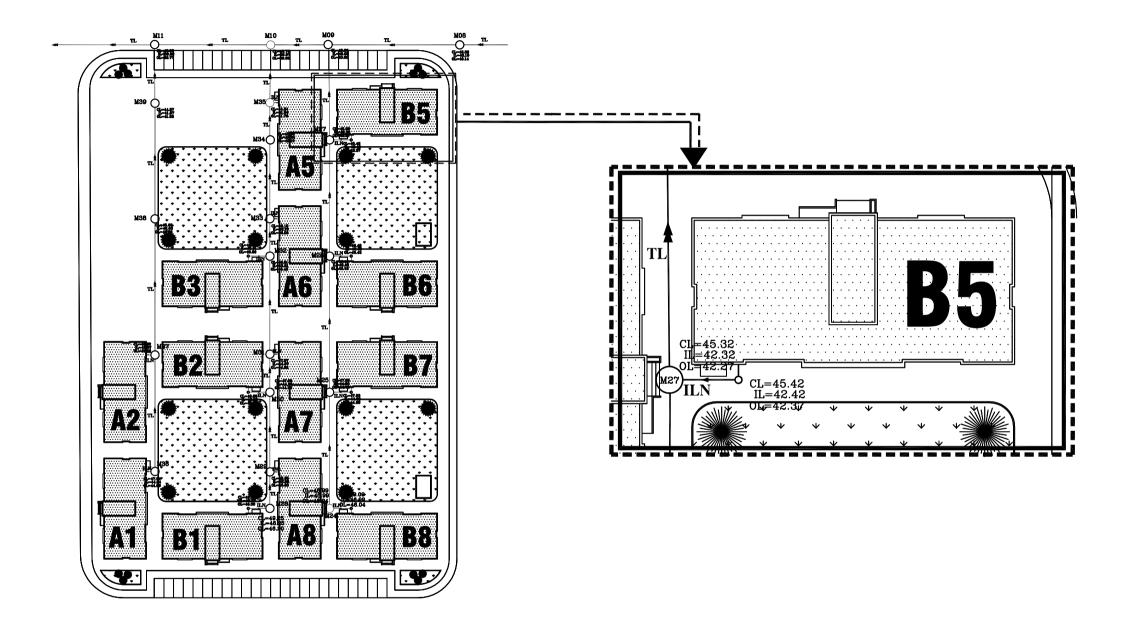


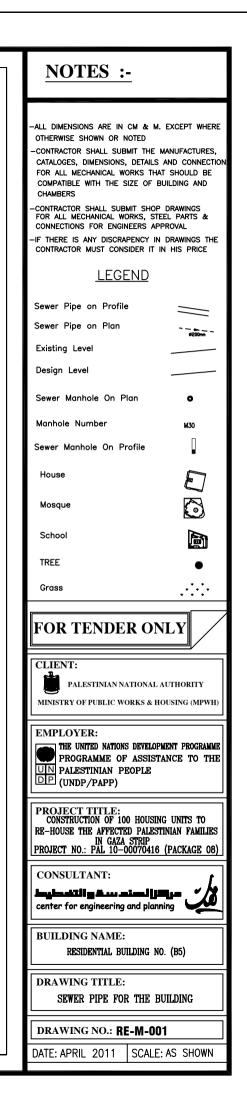


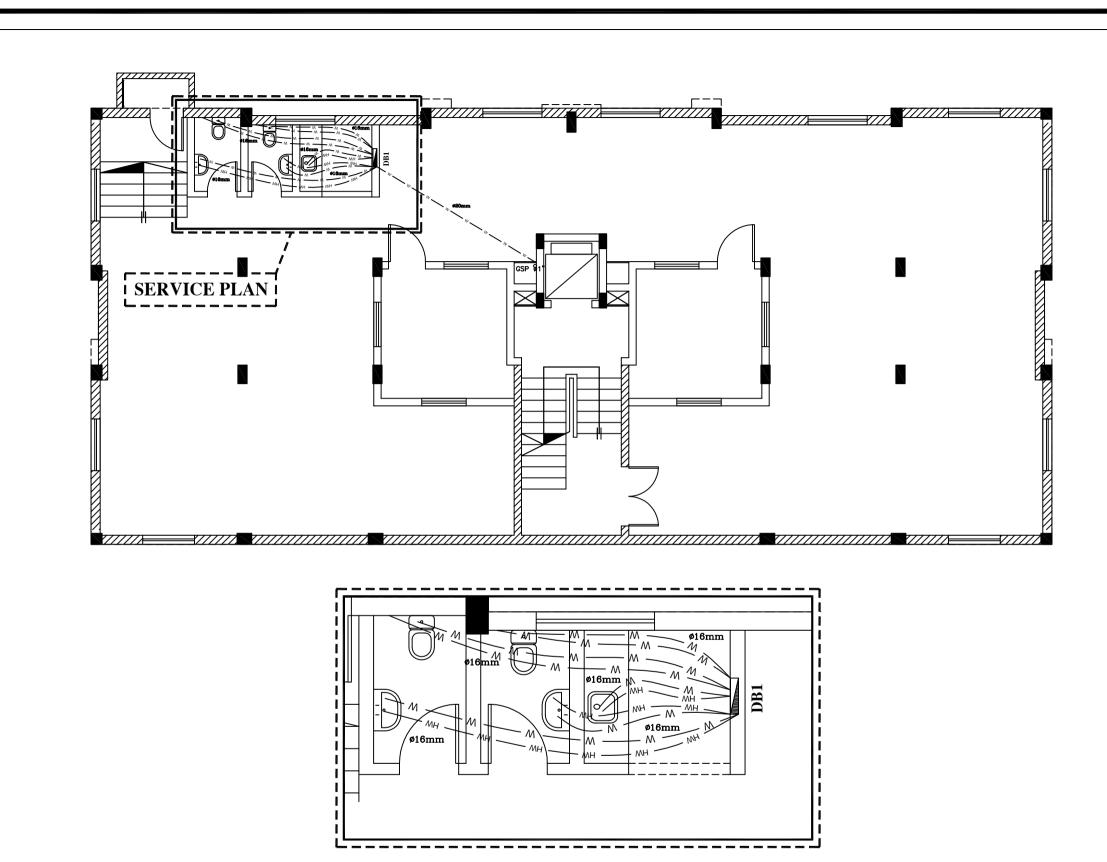
MANHOLES SCHEDULE

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





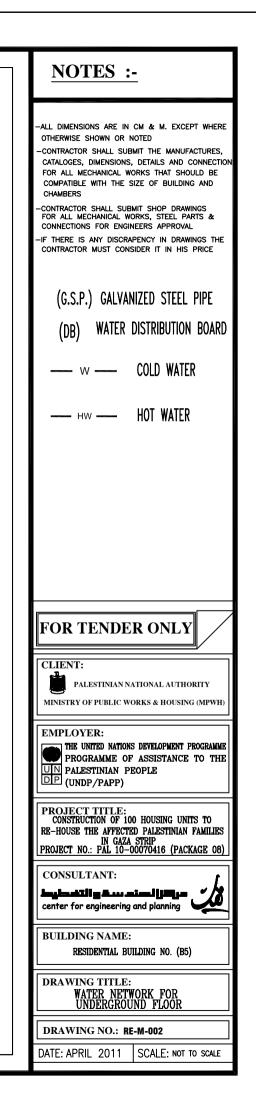


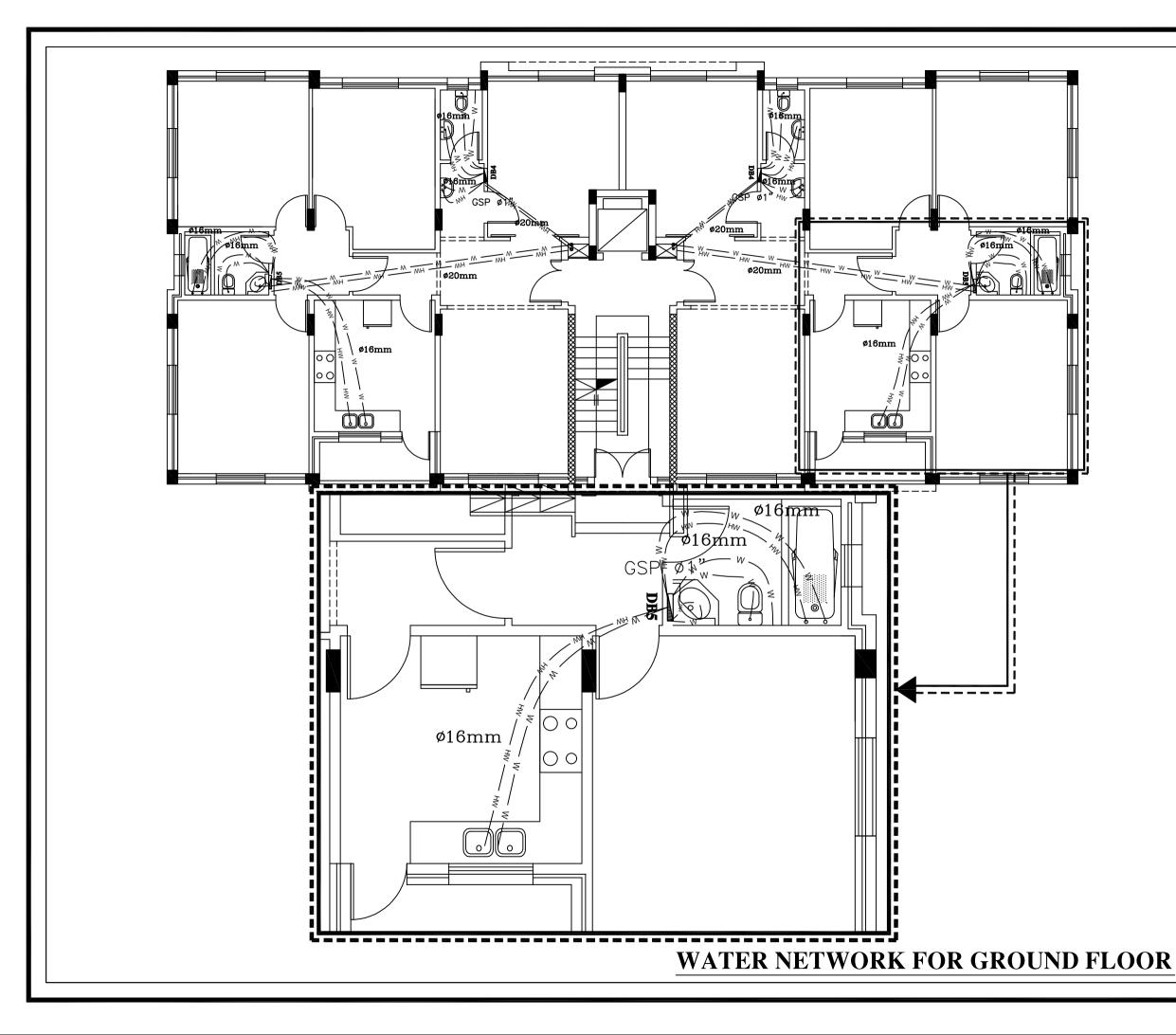


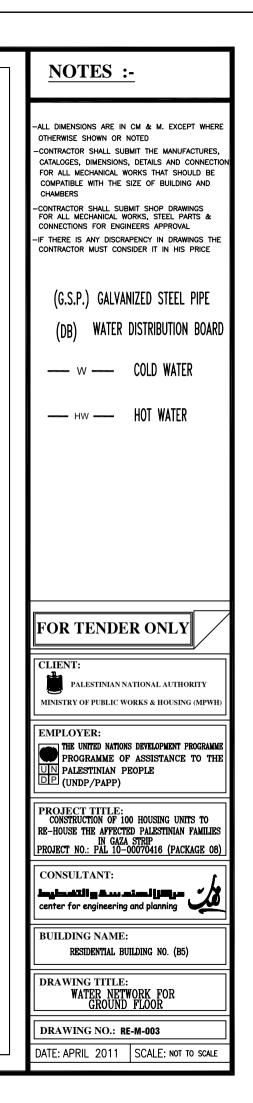
WATER NETWORK FOR SERVICE PLAN

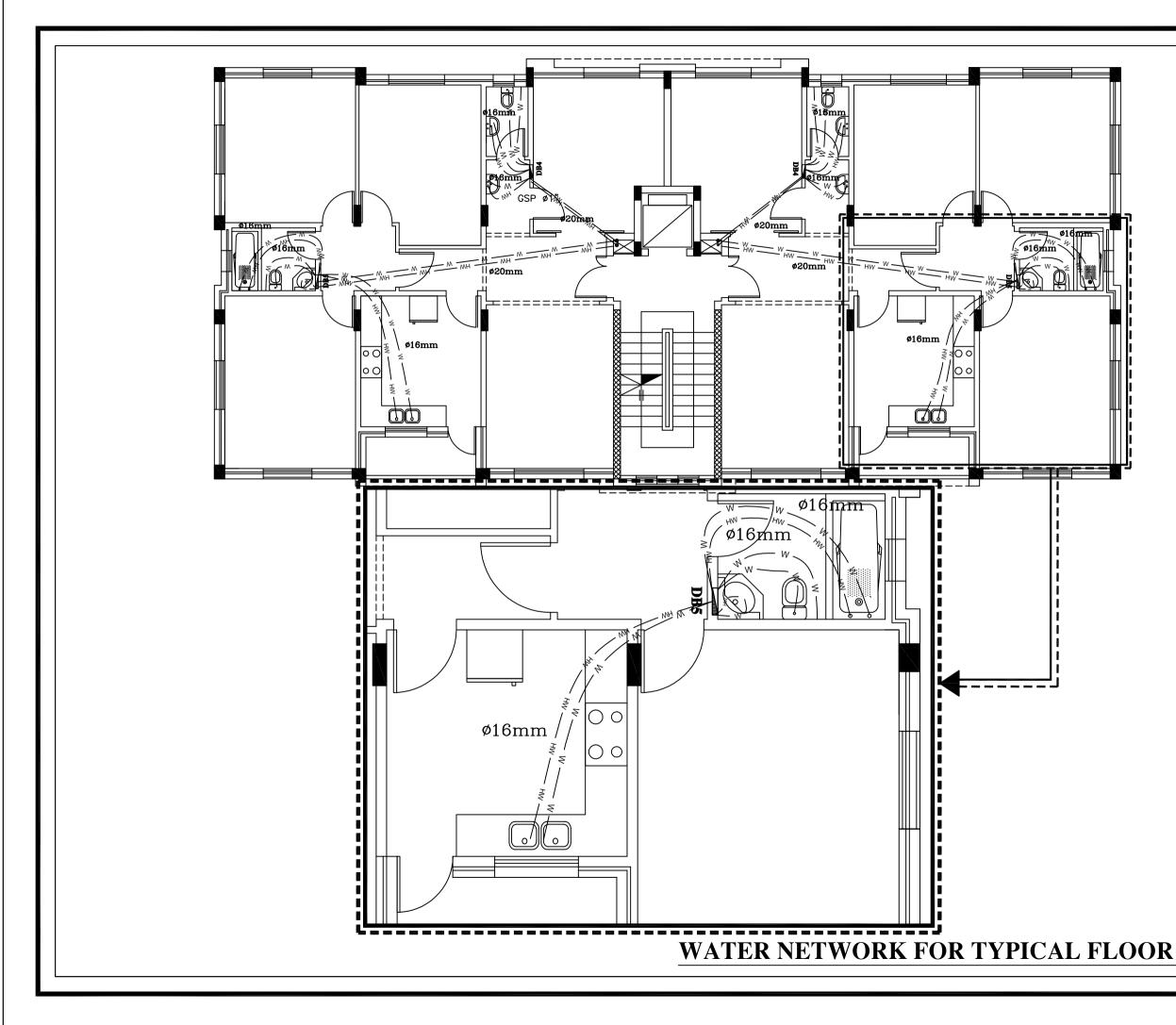
SCALE 1:50

WATER NETWORK FOR UNDERGROUND FLOOR

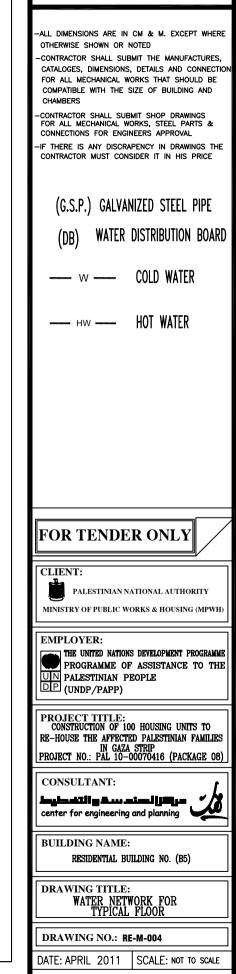


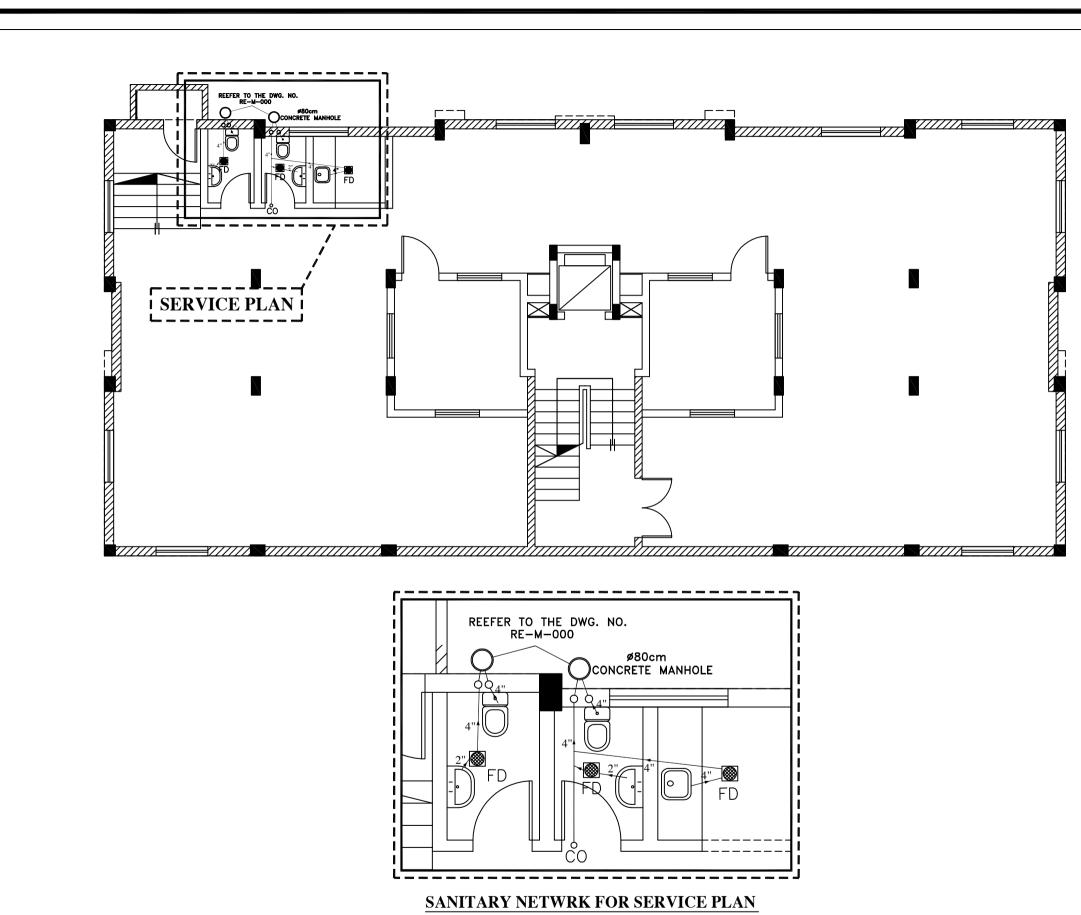






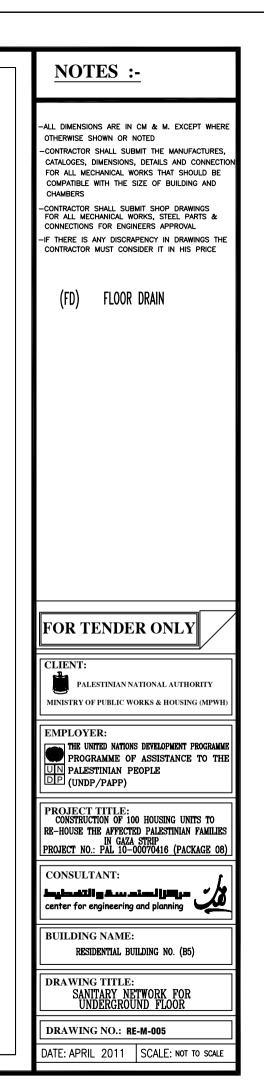


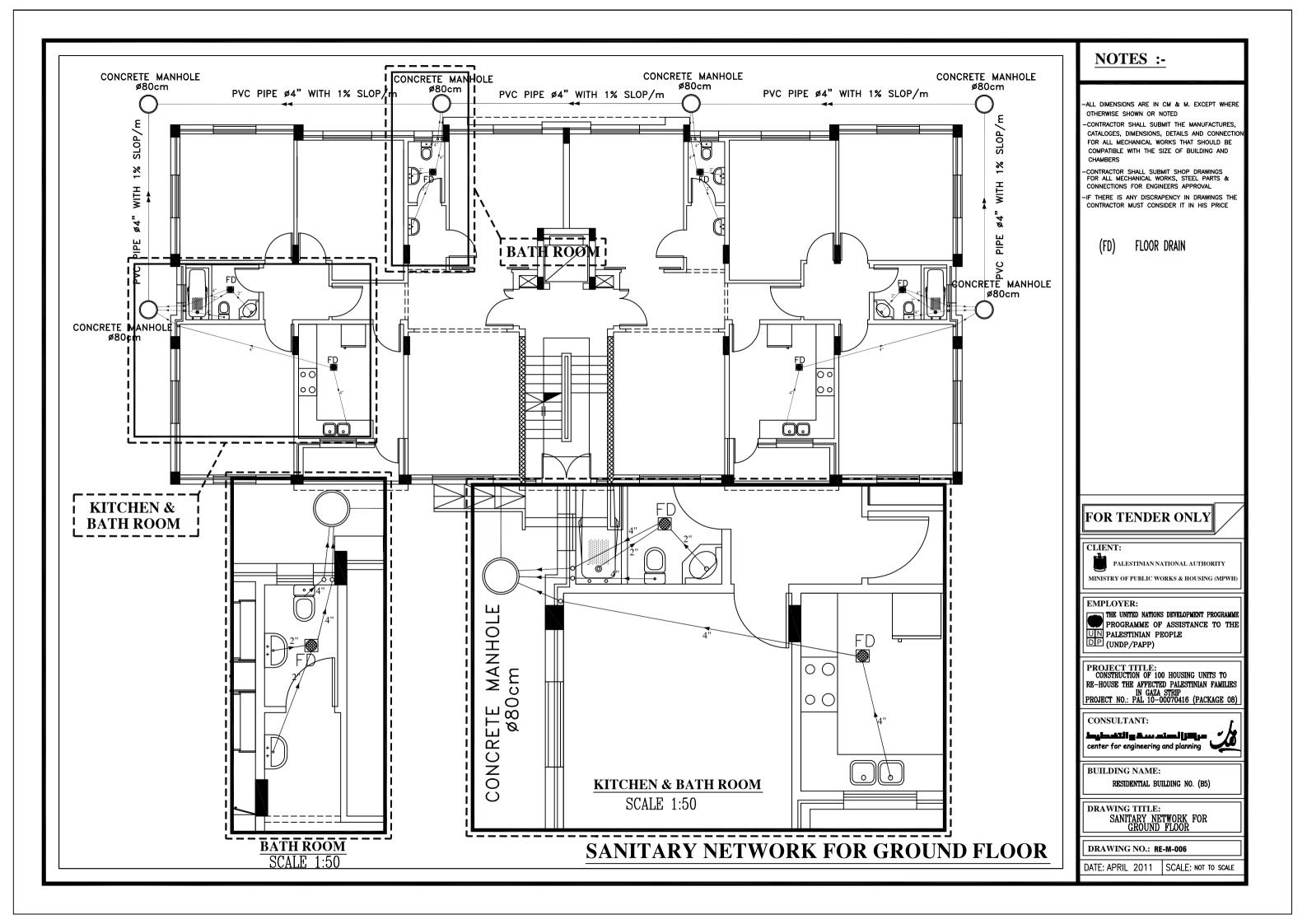


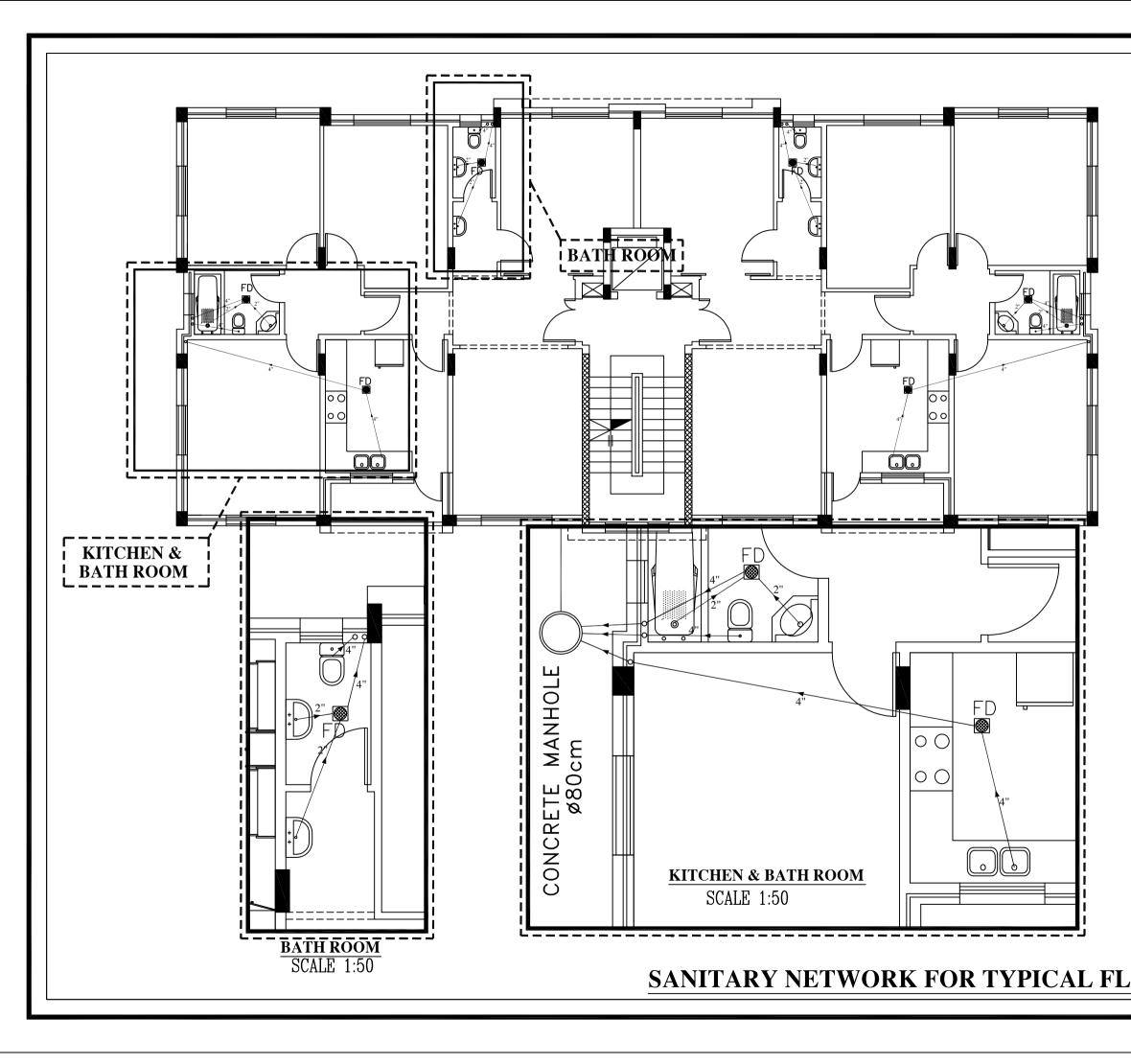


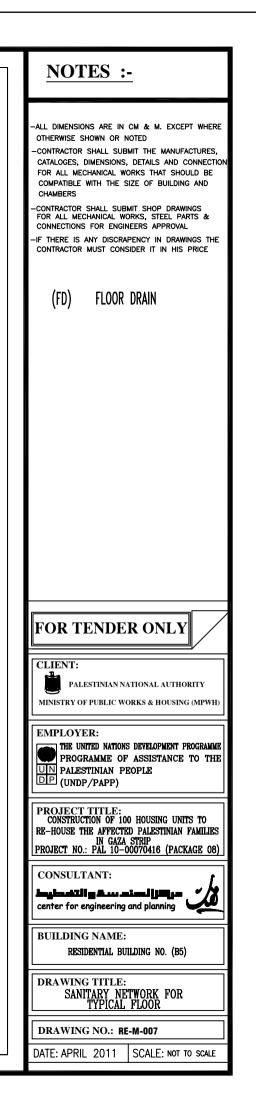
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SANITARY NETWORK FOR UNDERGROUND FLOOR

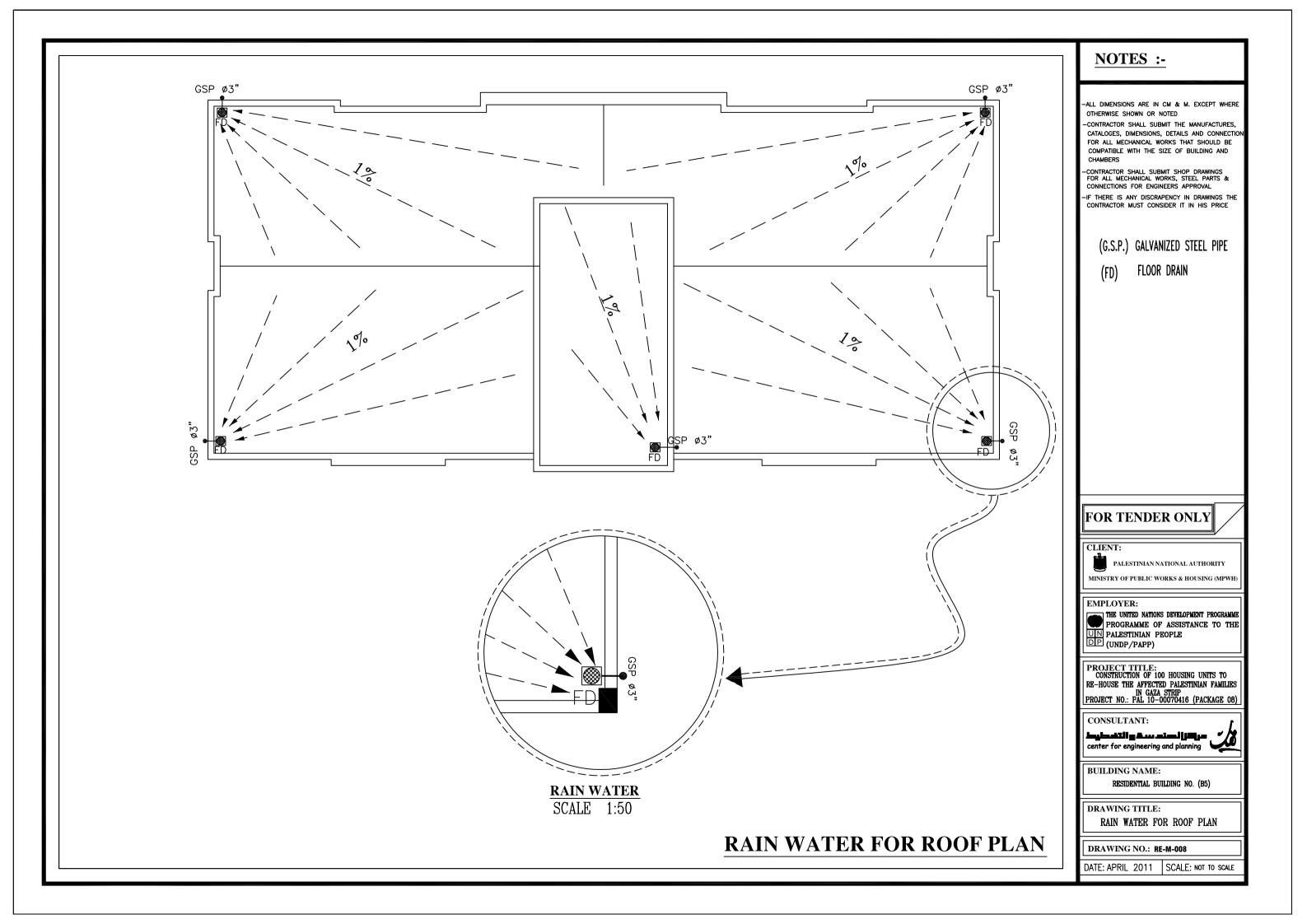


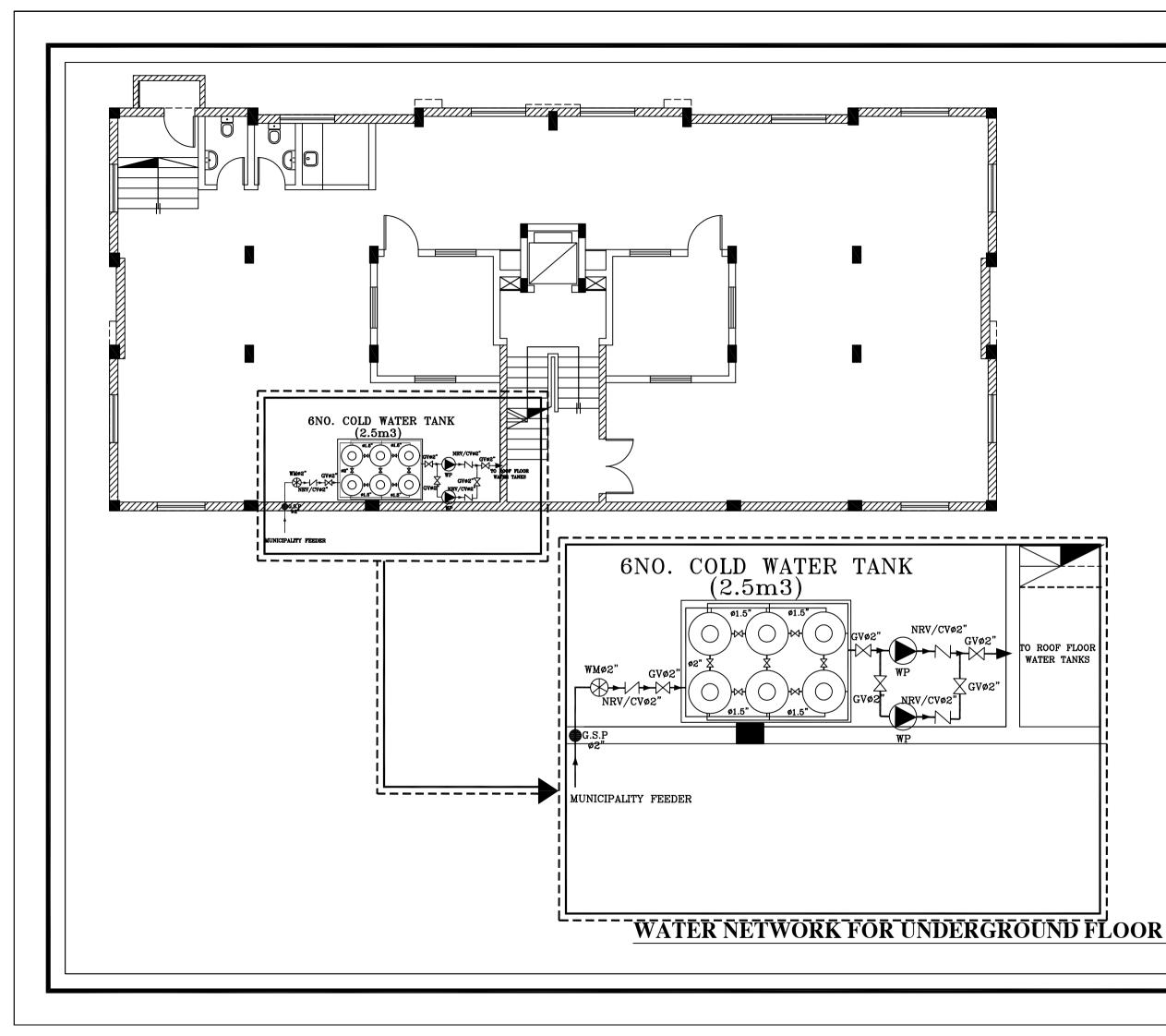


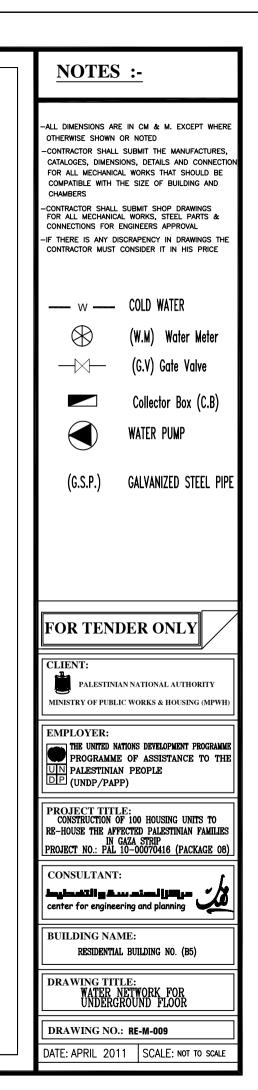




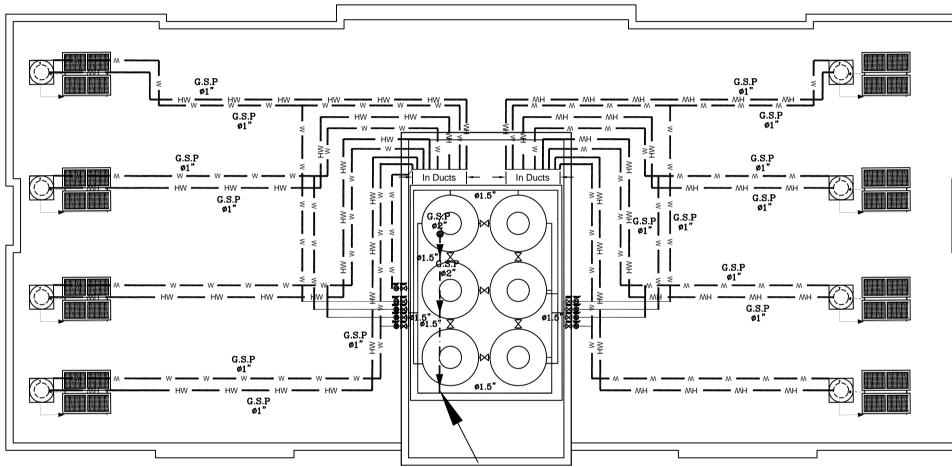
OOF	R
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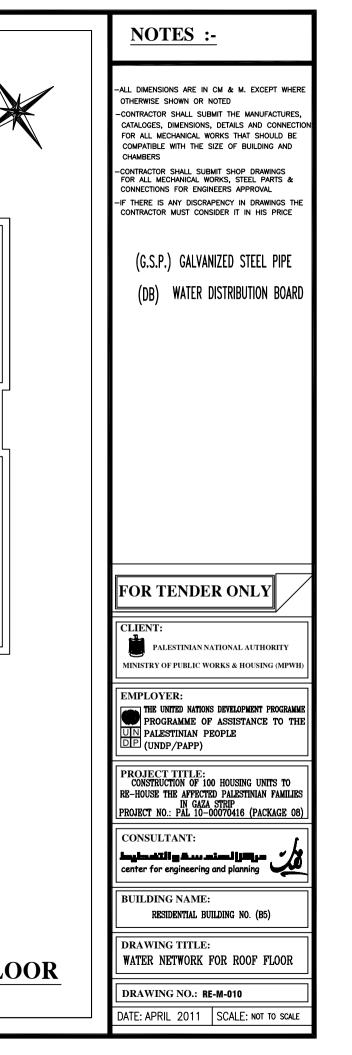


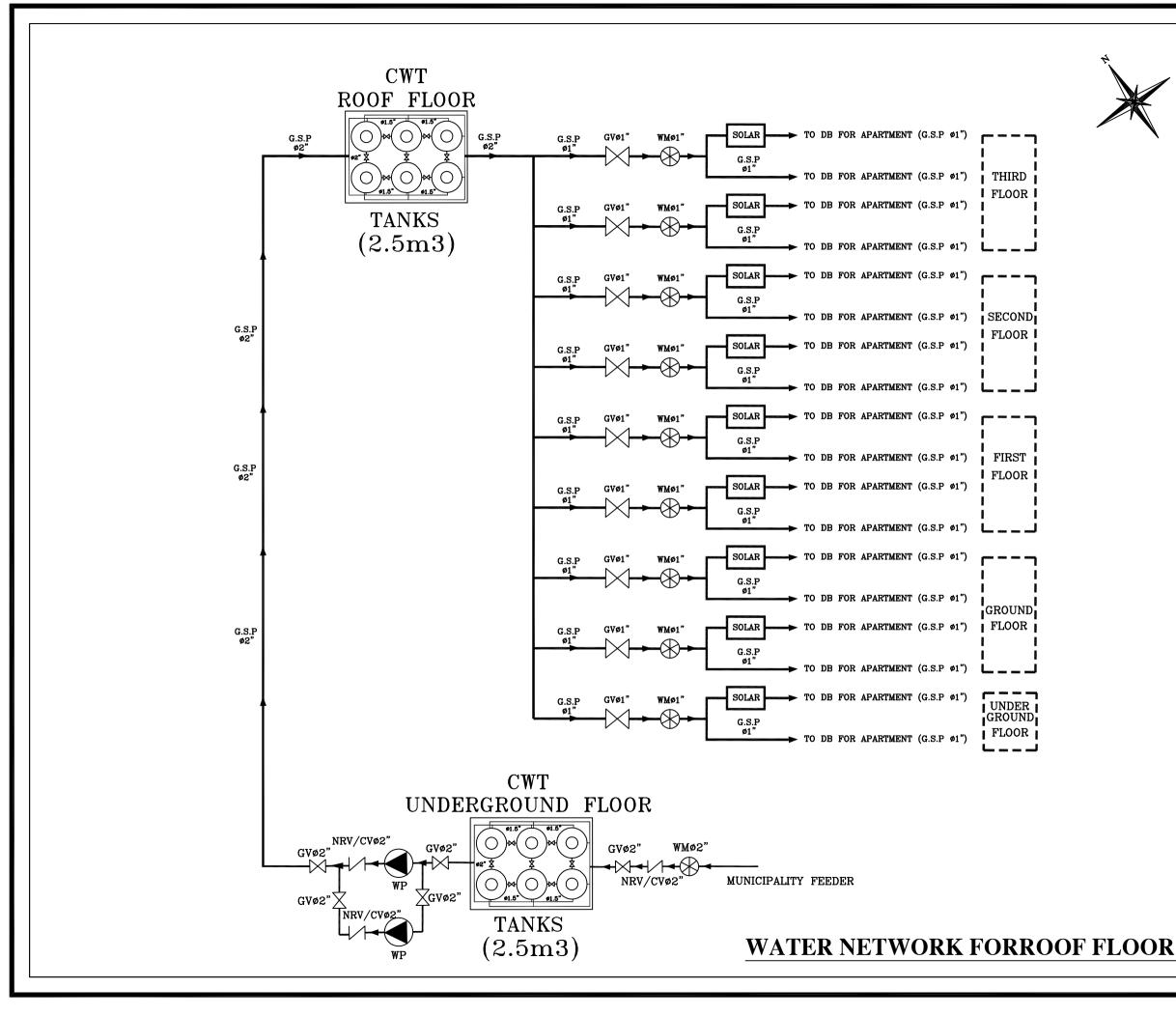
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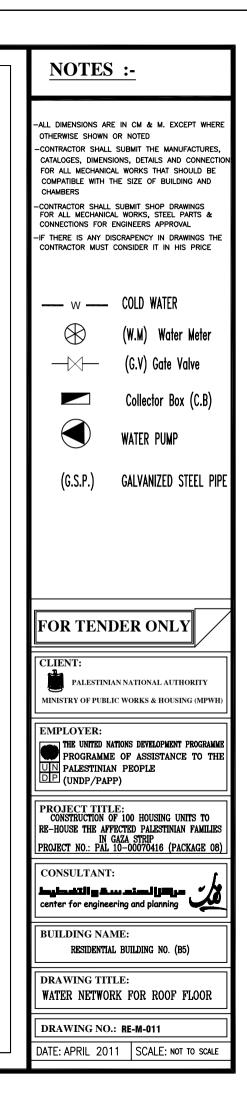
FROM UNDERGROUND FLOOR

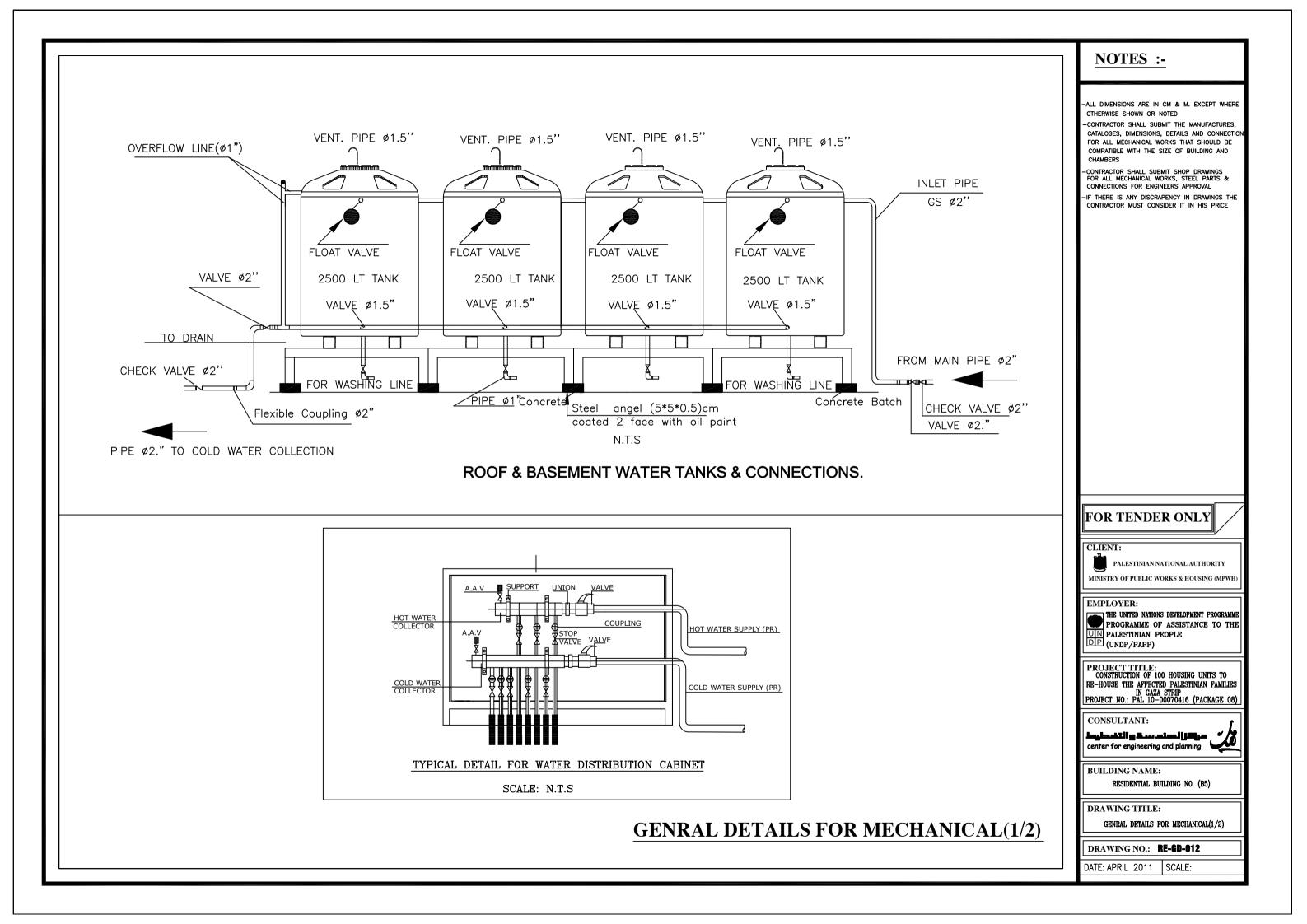
WATER NETWORK FORROOF FLOOR

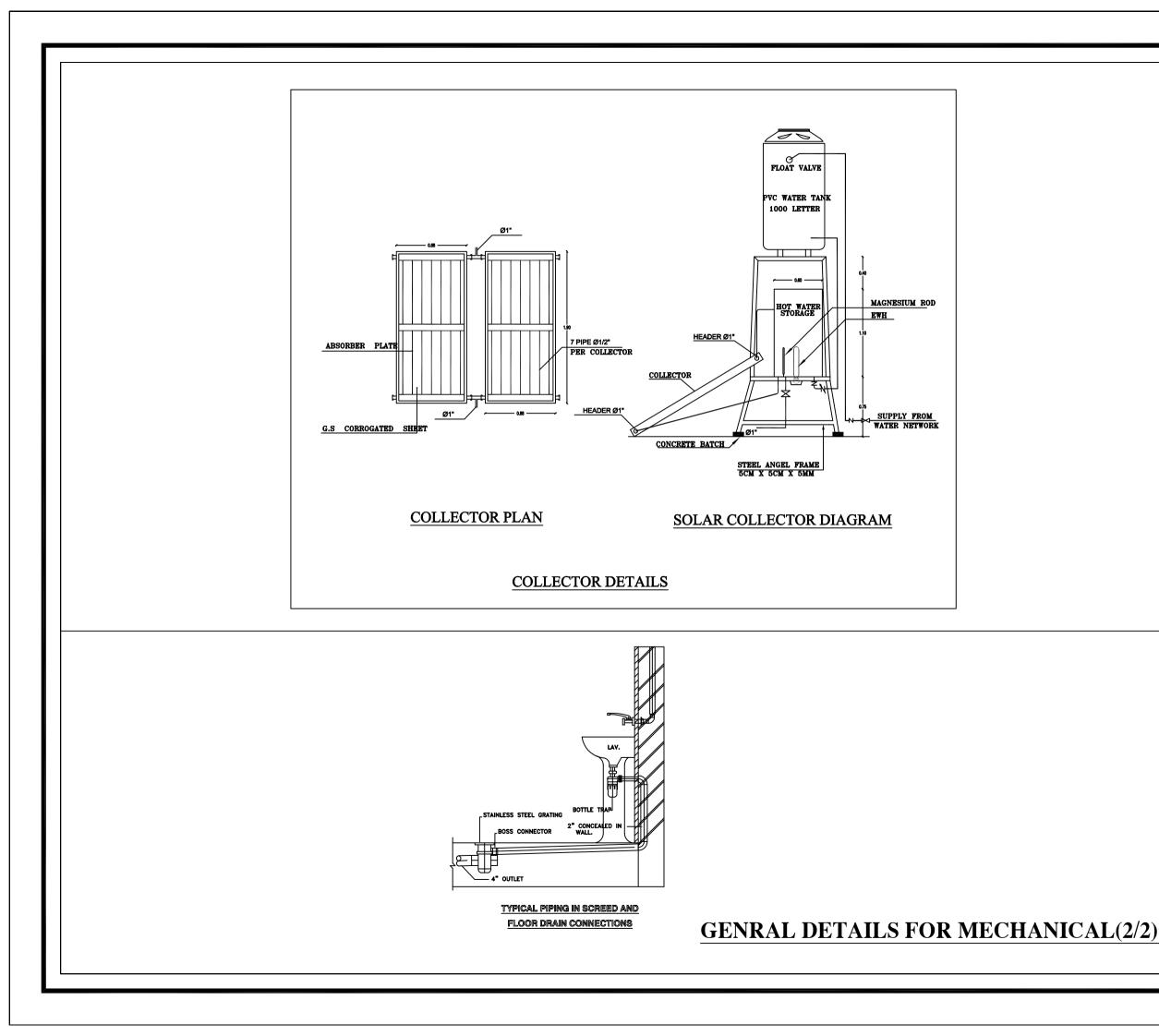


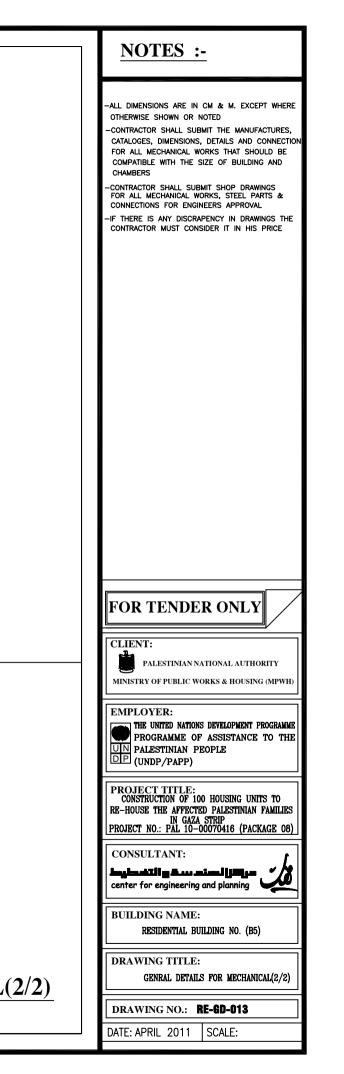


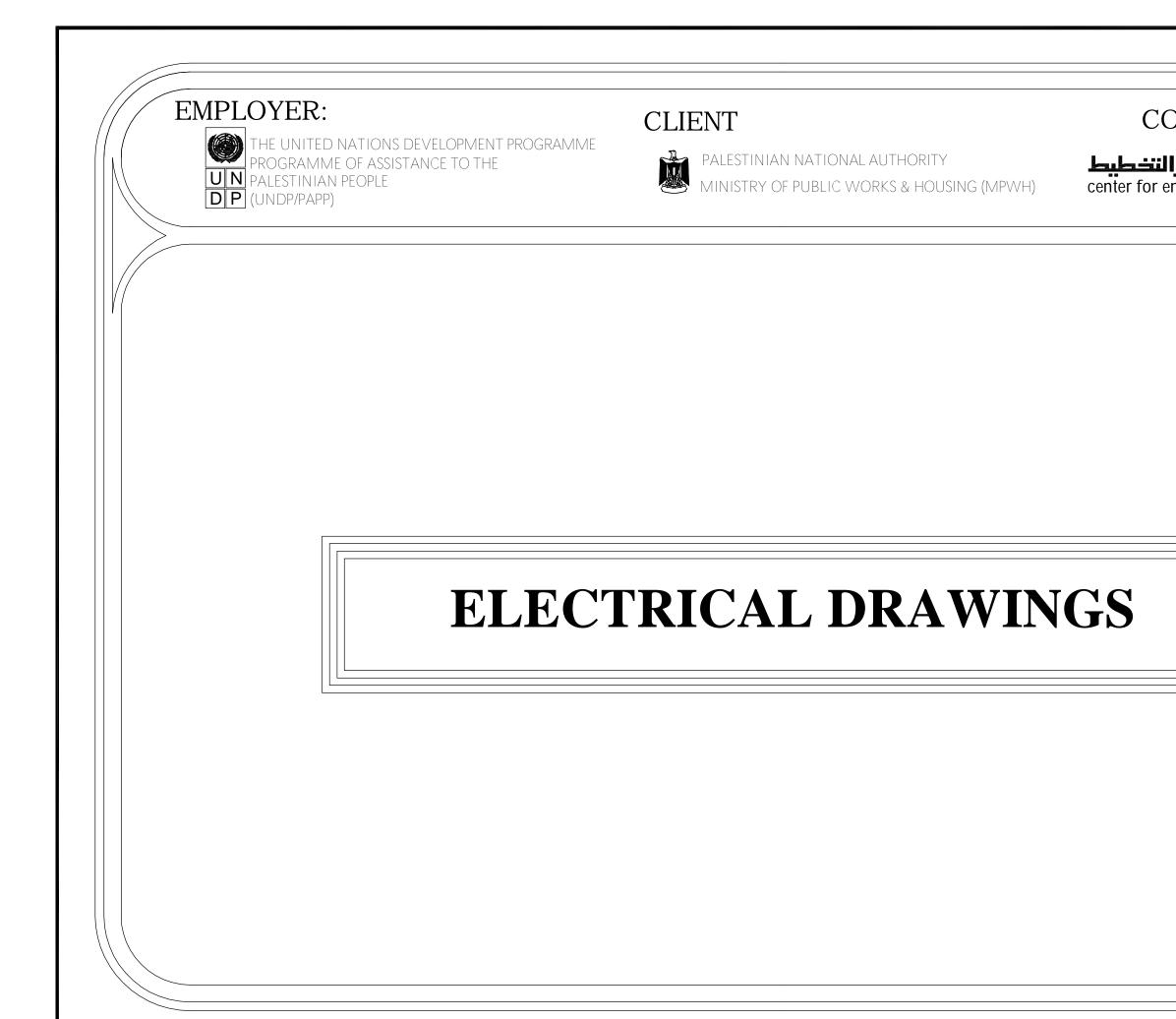














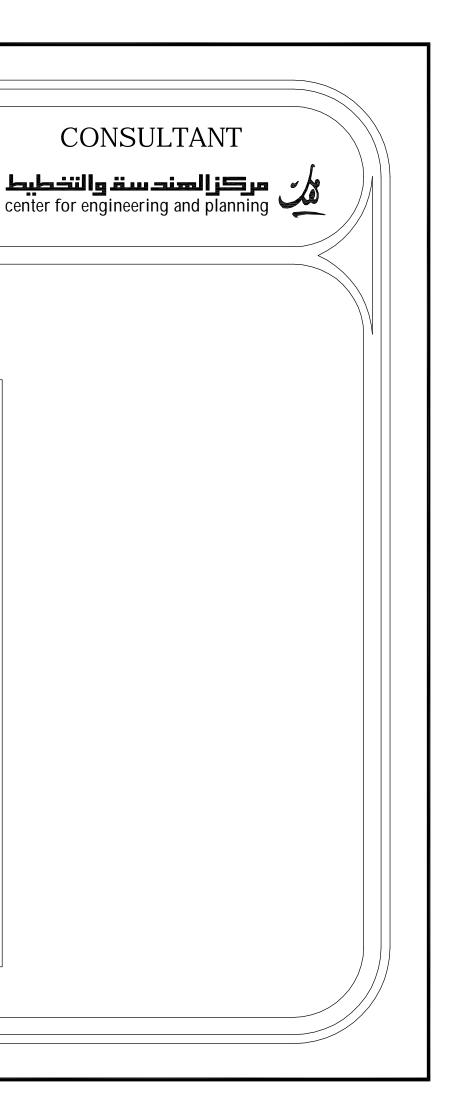


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE DP (UNDP/PAPP)

CLIENT



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

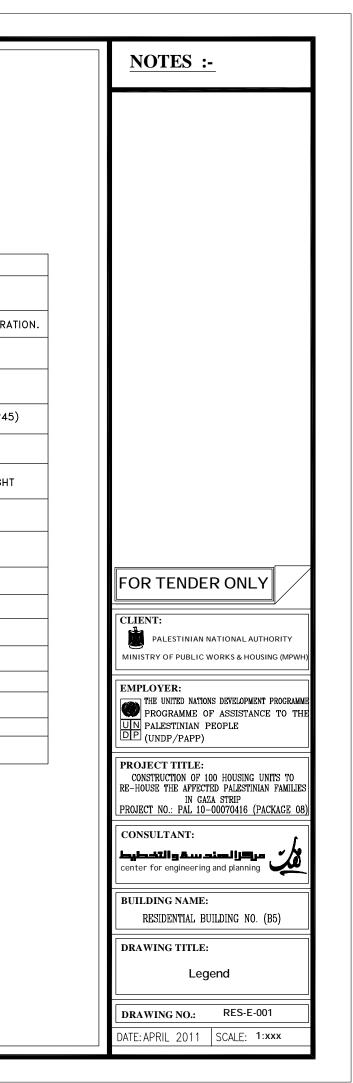


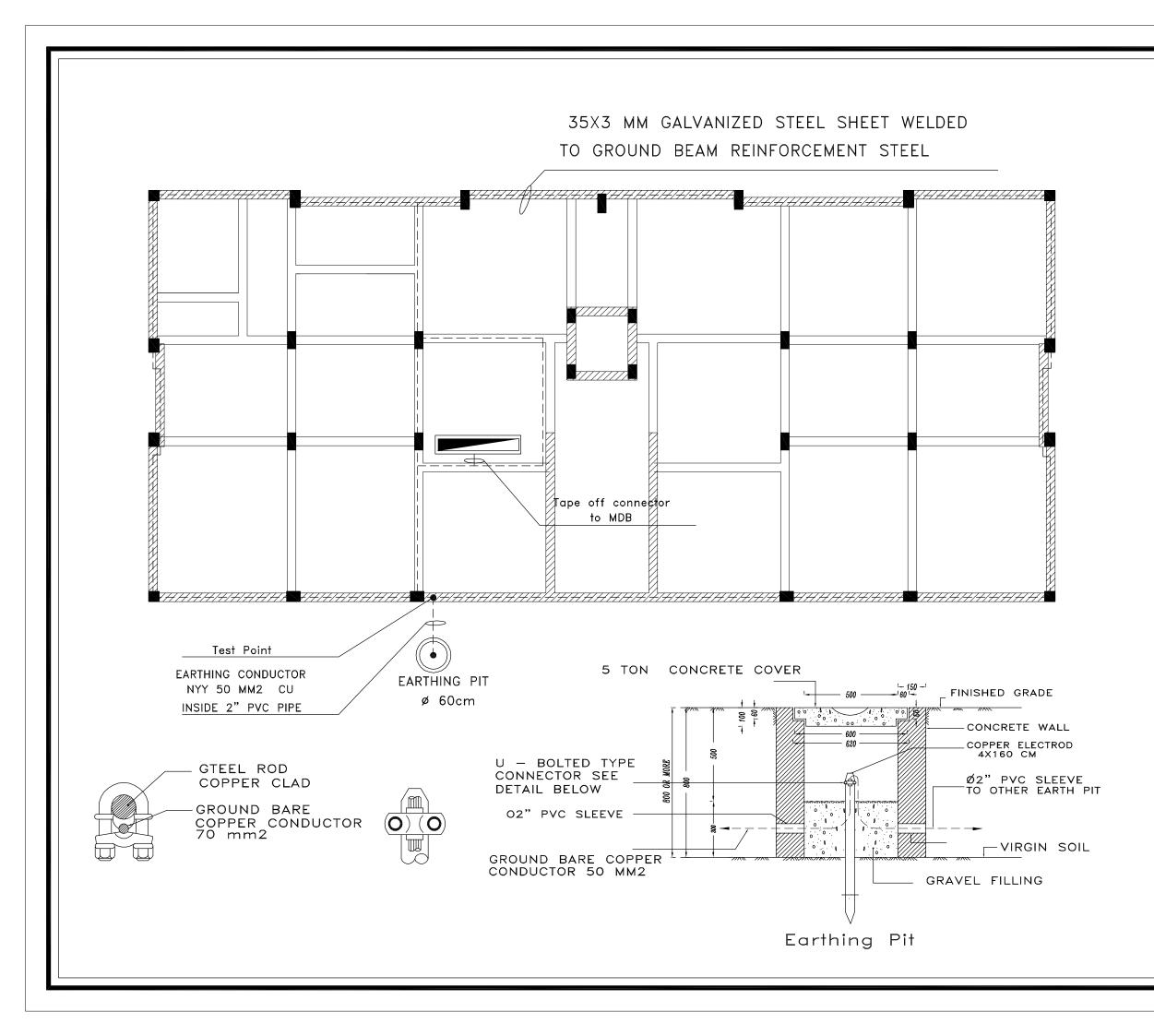
LIST OF DRAWINGS

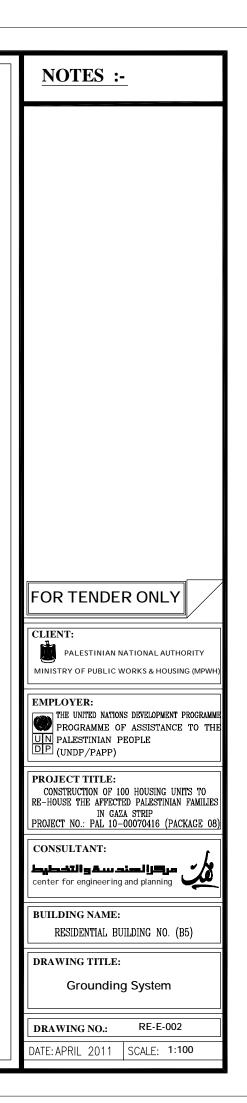
S/NO.	DRAWING NAME	DRG. NO.
	ELECTRICAL DRAWING	
01/16	Legend	RE-E-001
02/16	Grounding System	RE-E-002
03/16	UNDERGROUND FLOOR-Electrical Arrangements	RE-E-003
04/16	UNDERGROUND FLOOR-Lighting Fittings Layout	RE-E-004
05/16	UNDERGROUND FLOOR-Power Fittings Layout	RE-E-005
06/16	GROUND FLOOR-Lighting 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

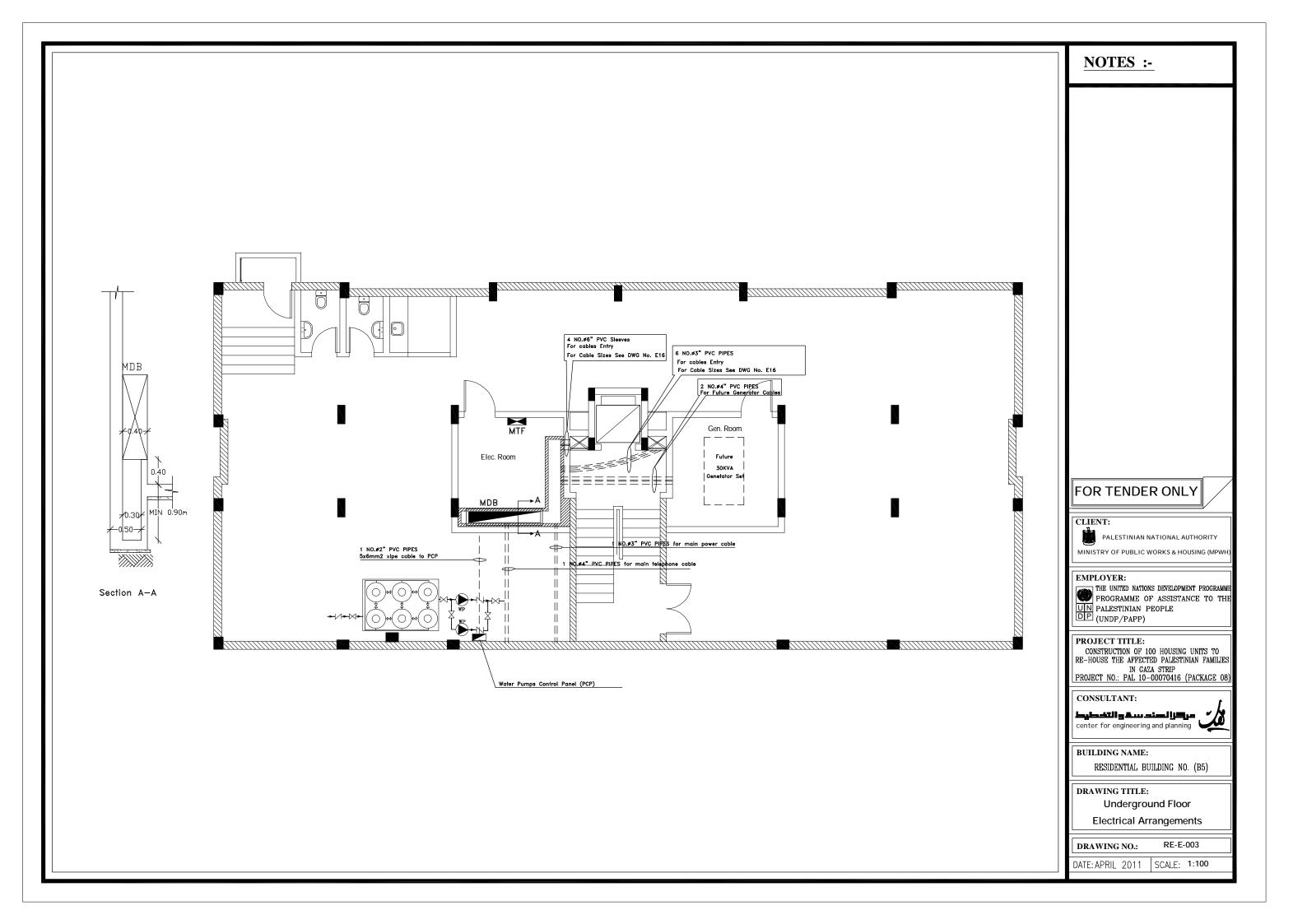
SYMBOL	DESCRIPTION
-(16A SINGLE PHASE, 3-PIN SOCKET OUTLET H=45CM F.F.F.L
-1	16A SINGLE PHASE, 3-PIN SOCKET OUTLET, WATER PROOF.IP65 H=140CM F.F.F.L
À	1×20A - 220V AIR CONDITIONING SOCKETOUTLET +CONTROL SWITCH WITH INDICATOR LAMP. H=160CM F.F.F.L
# - K	THREE PHASE, SOCKET OUTLET H=140CM F.F.F.L
(W.H)	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

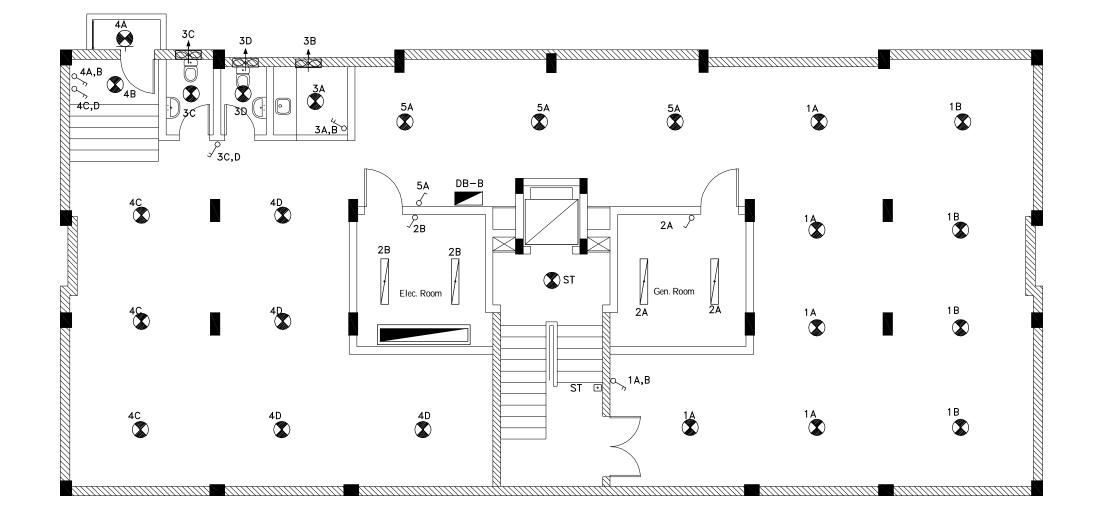
SYMBOL	DESCRIPTION
	2x36W SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE WITH OUT REFLECTOR IP20
EM	DITTO BUT WITH BACK UP POWER BUILT IN, FOR 1.5HR DURA
	2x36W SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE WATER PROOF IP65
EM	2x36W SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE WATER PROOF IP65
	26W COMPACT 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
•	•

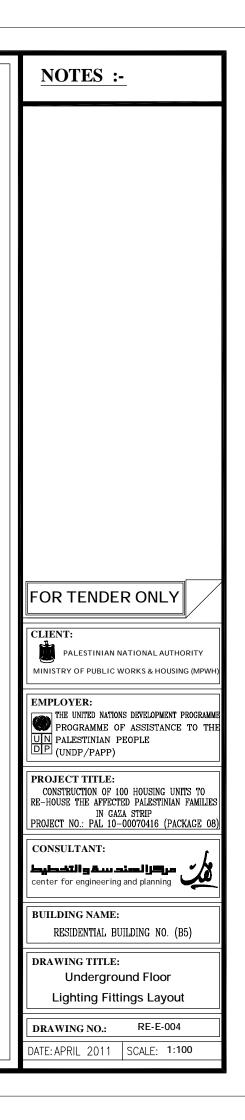


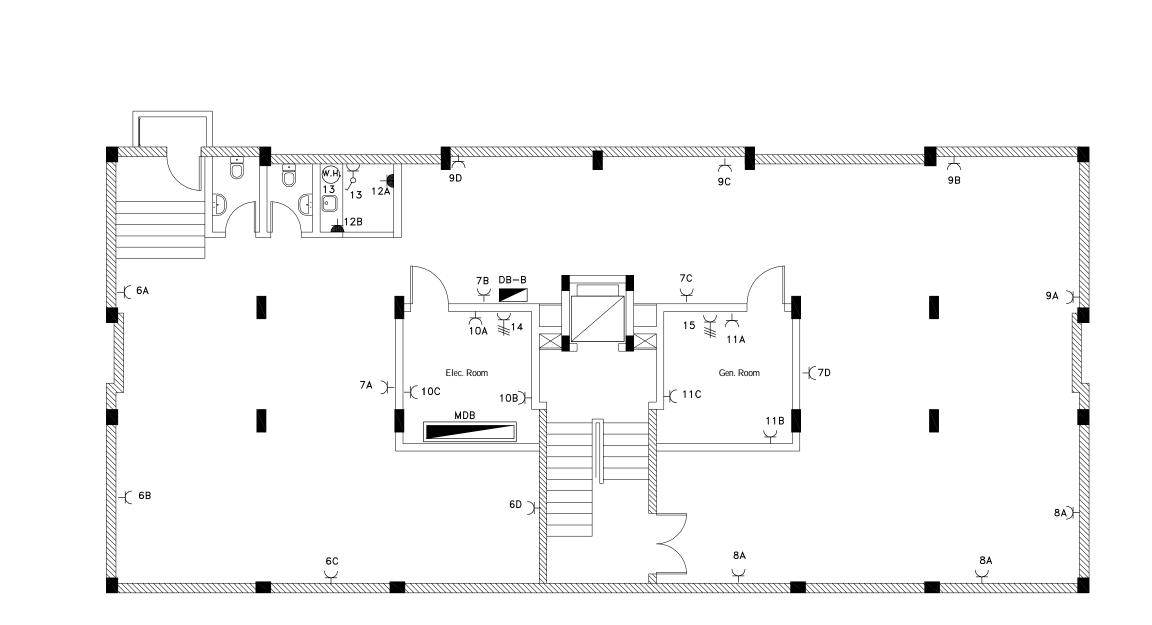


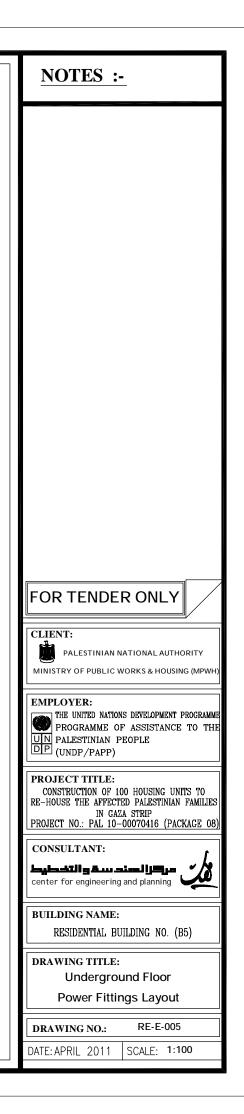


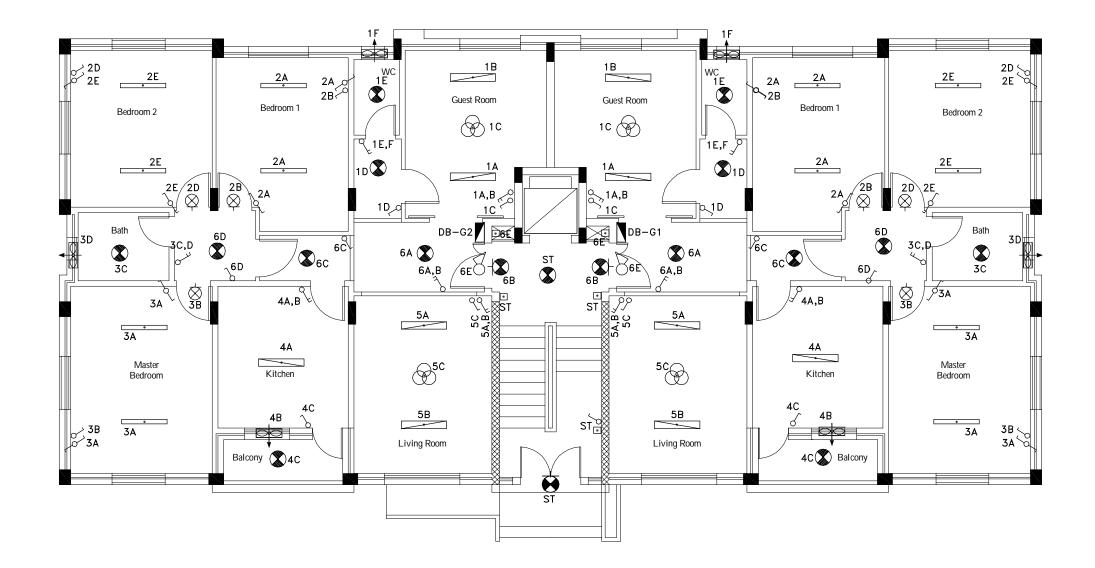


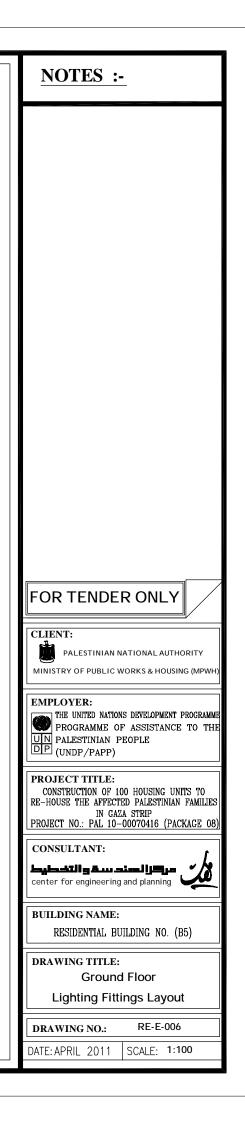


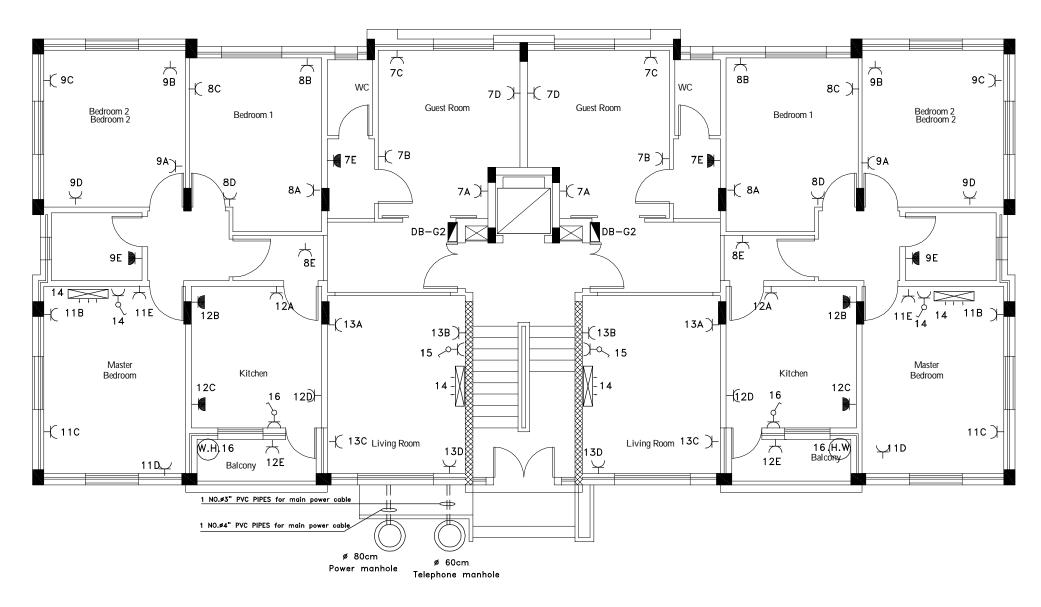


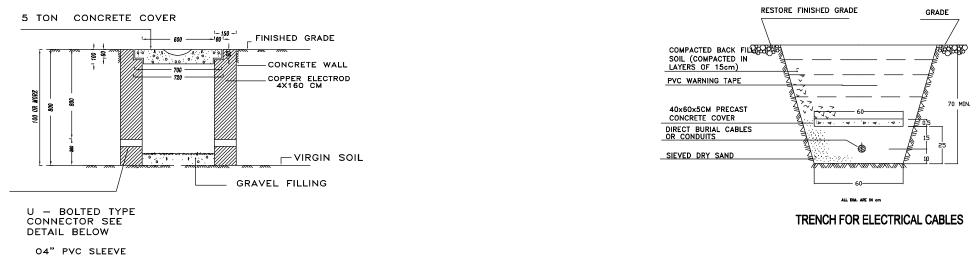




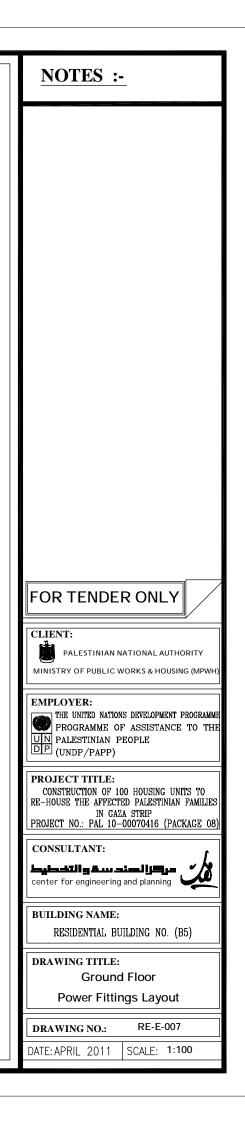


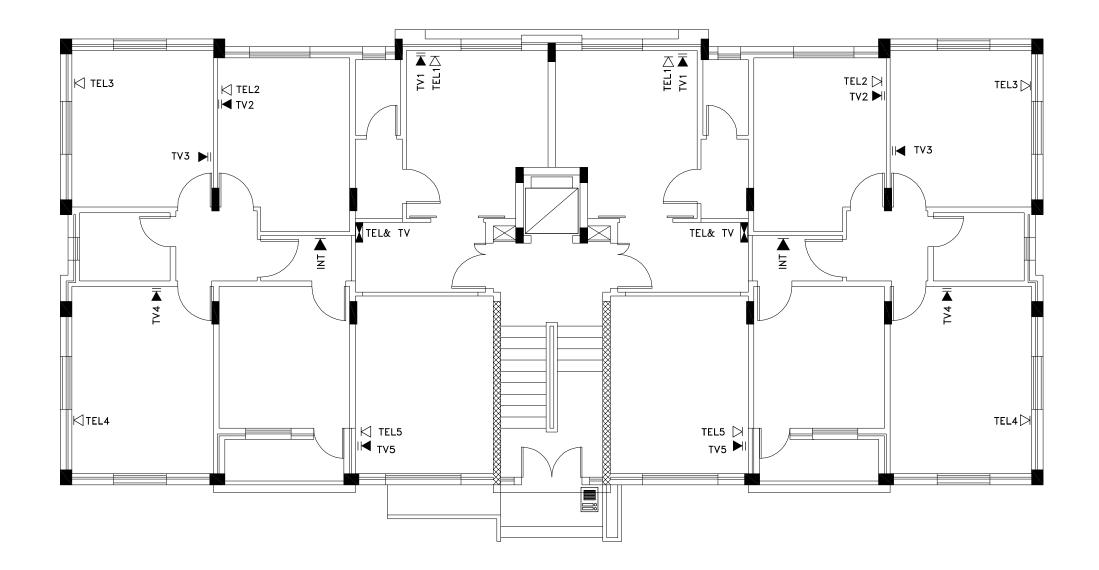


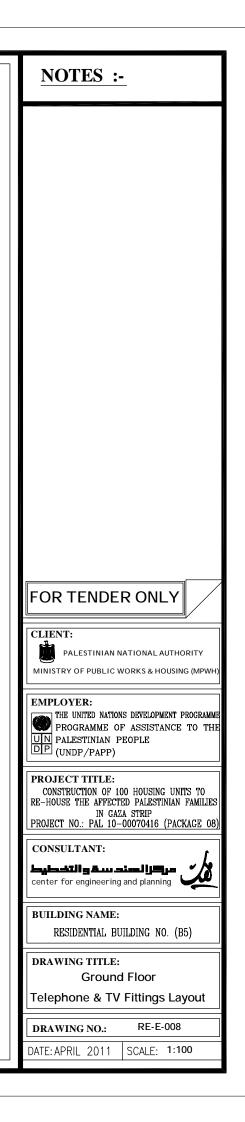


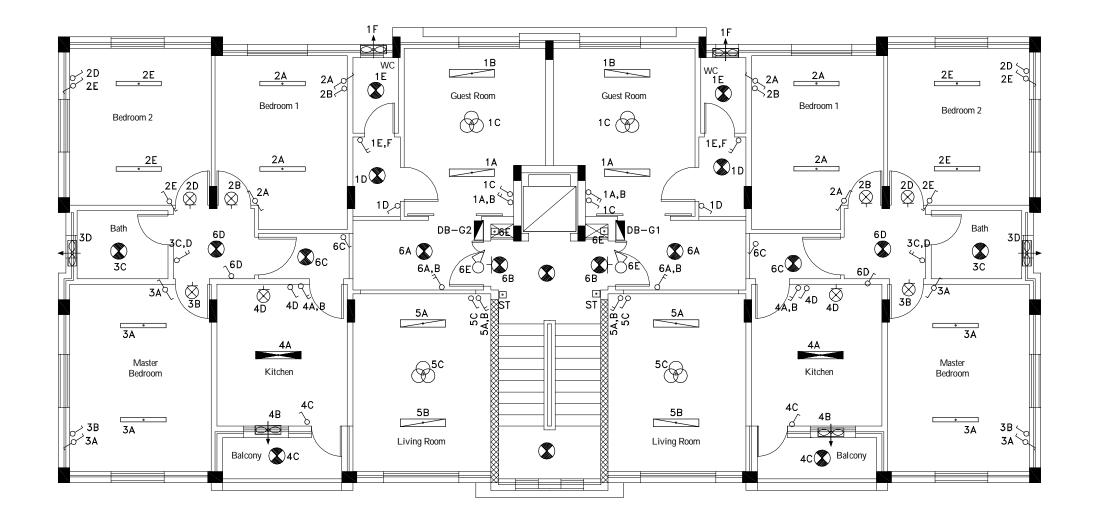


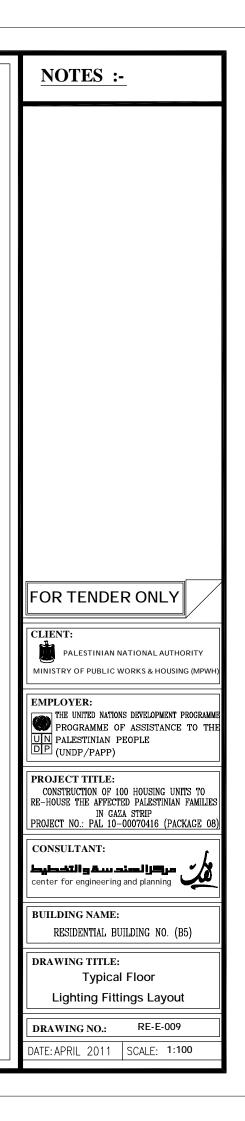
Power Manhole Details

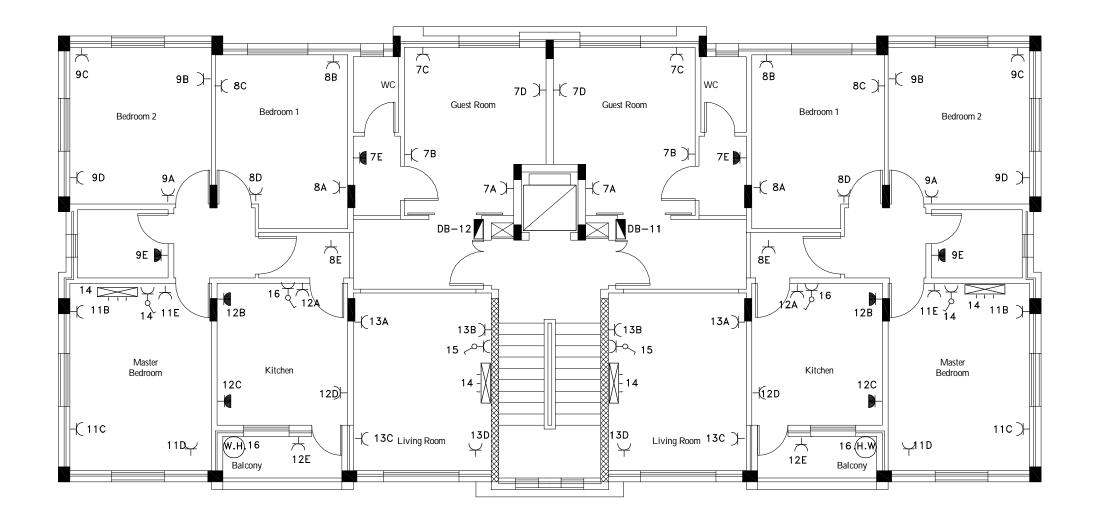


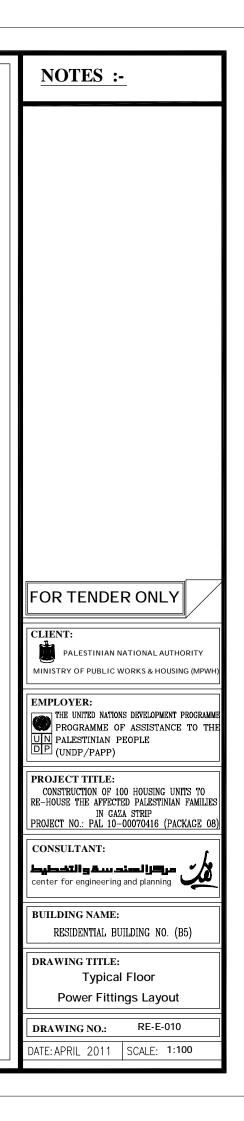


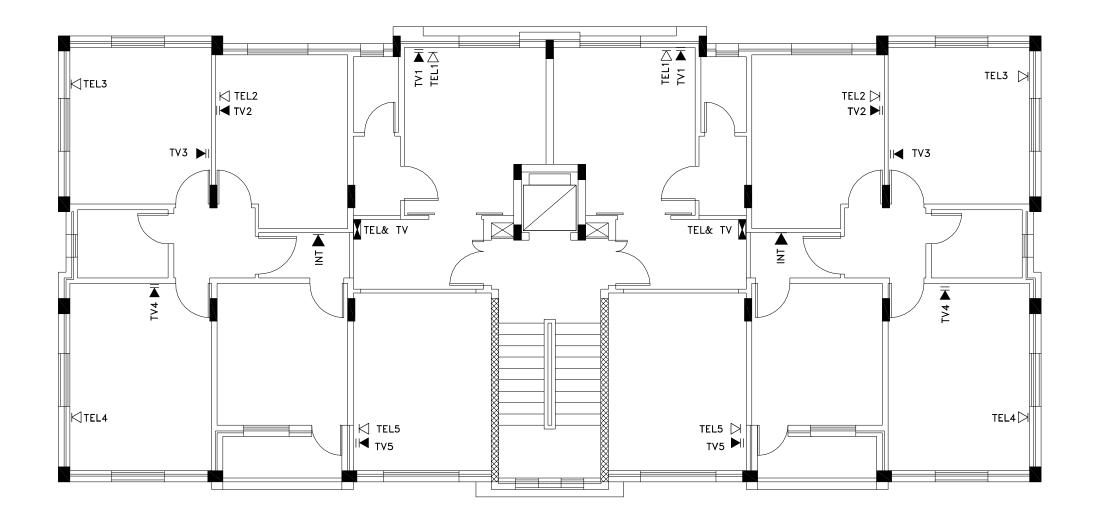


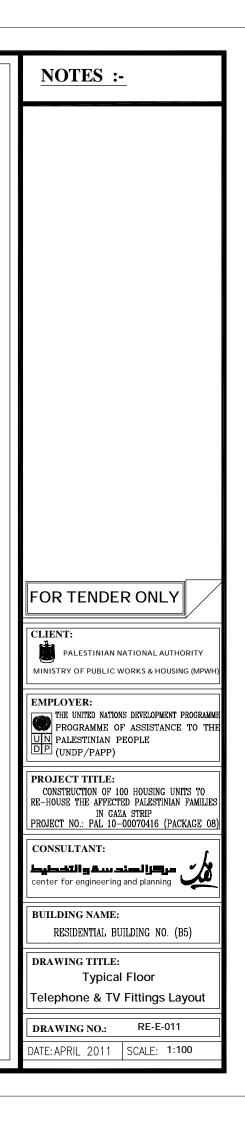


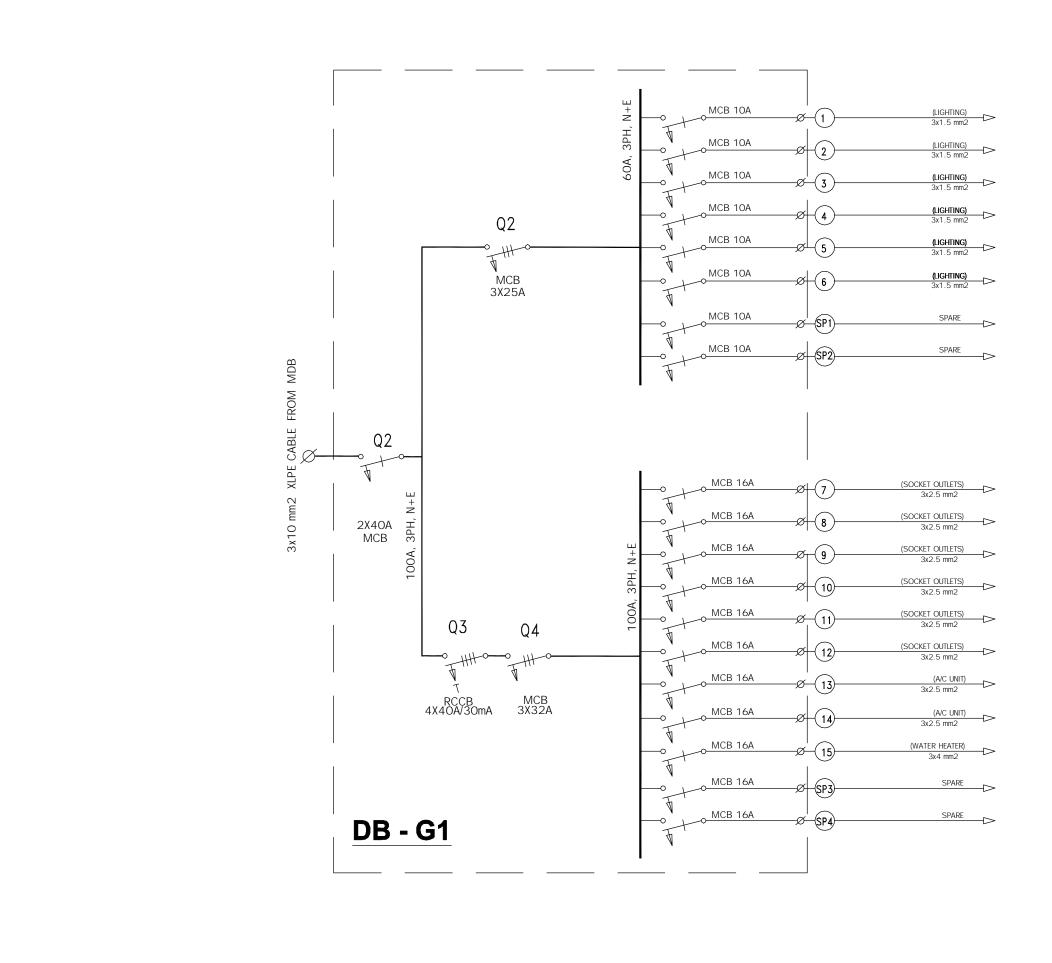


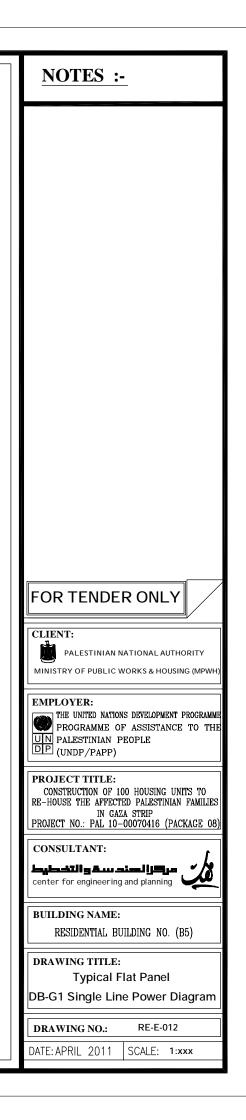


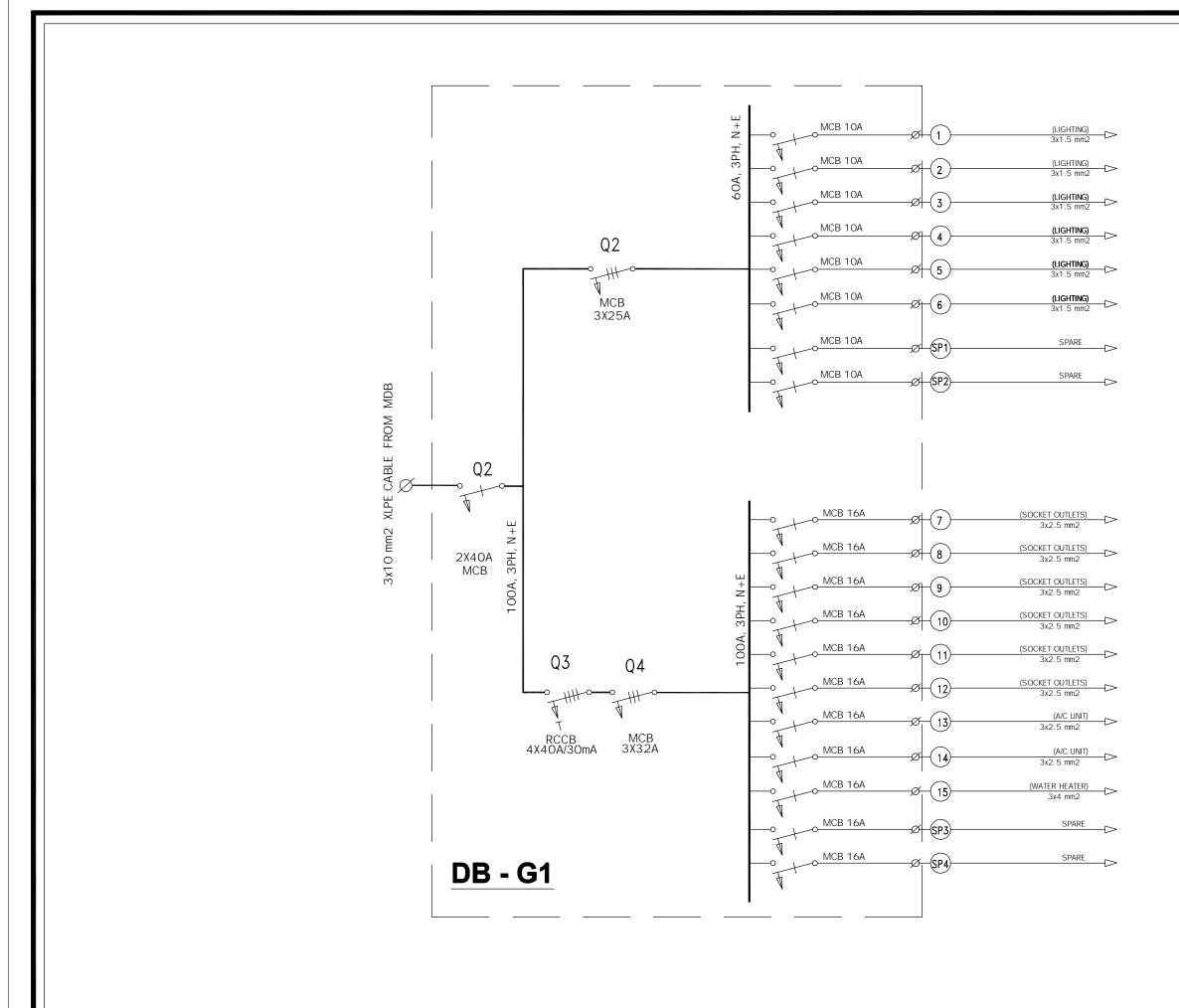


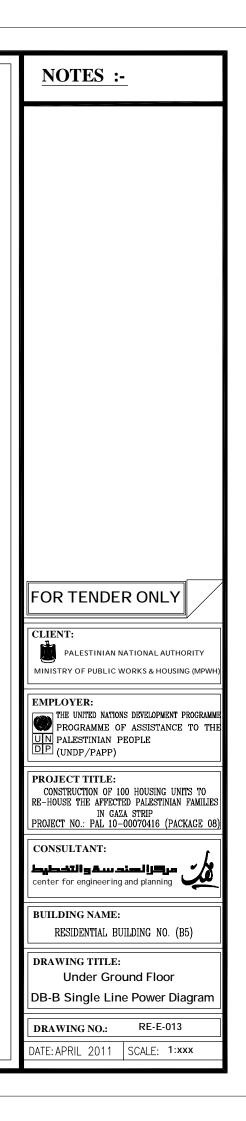


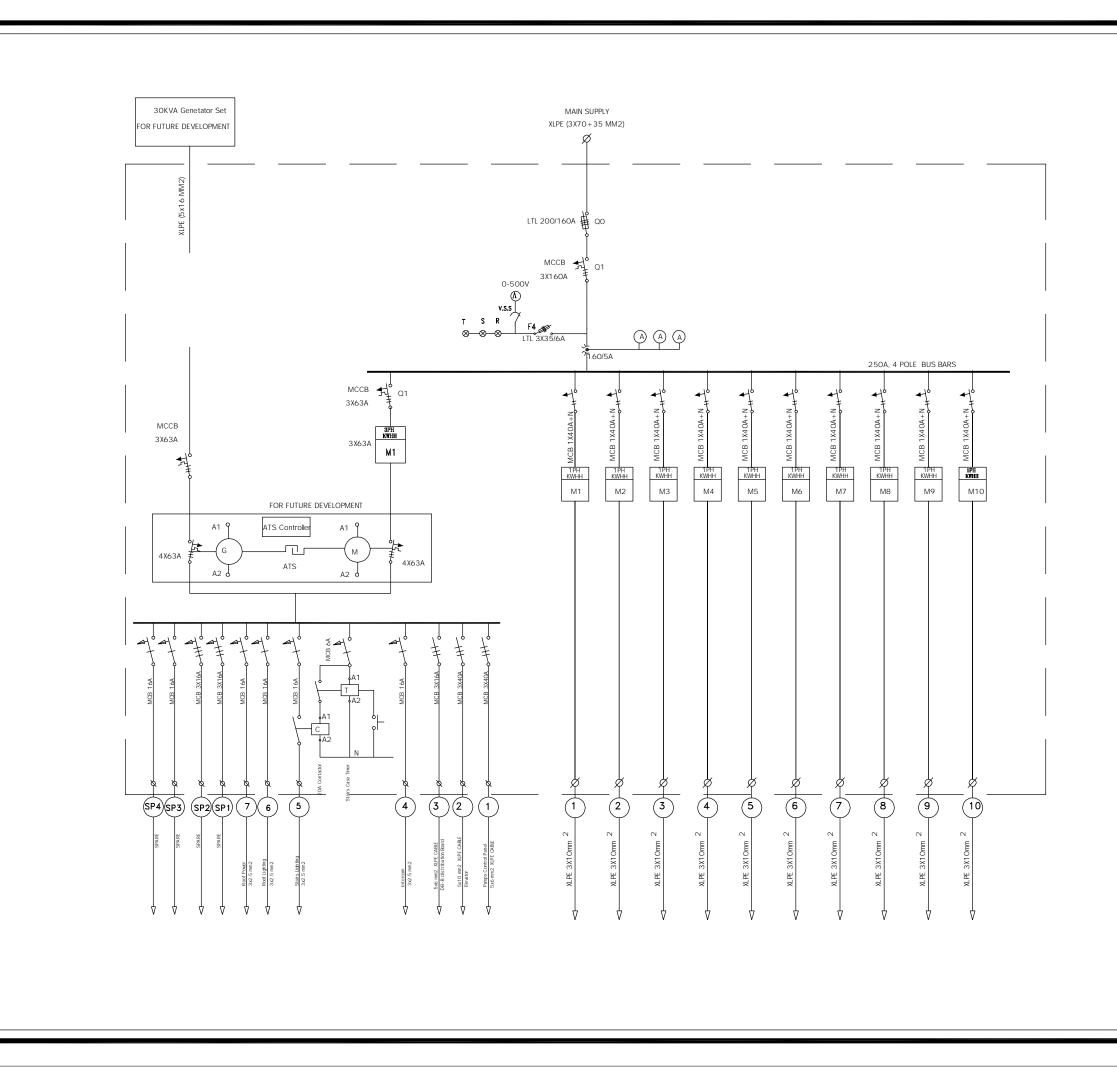


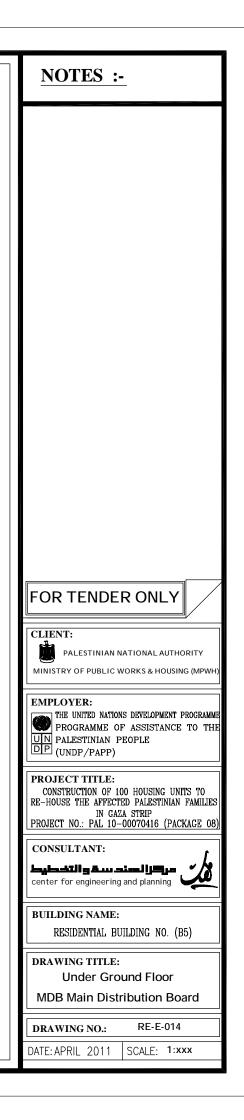


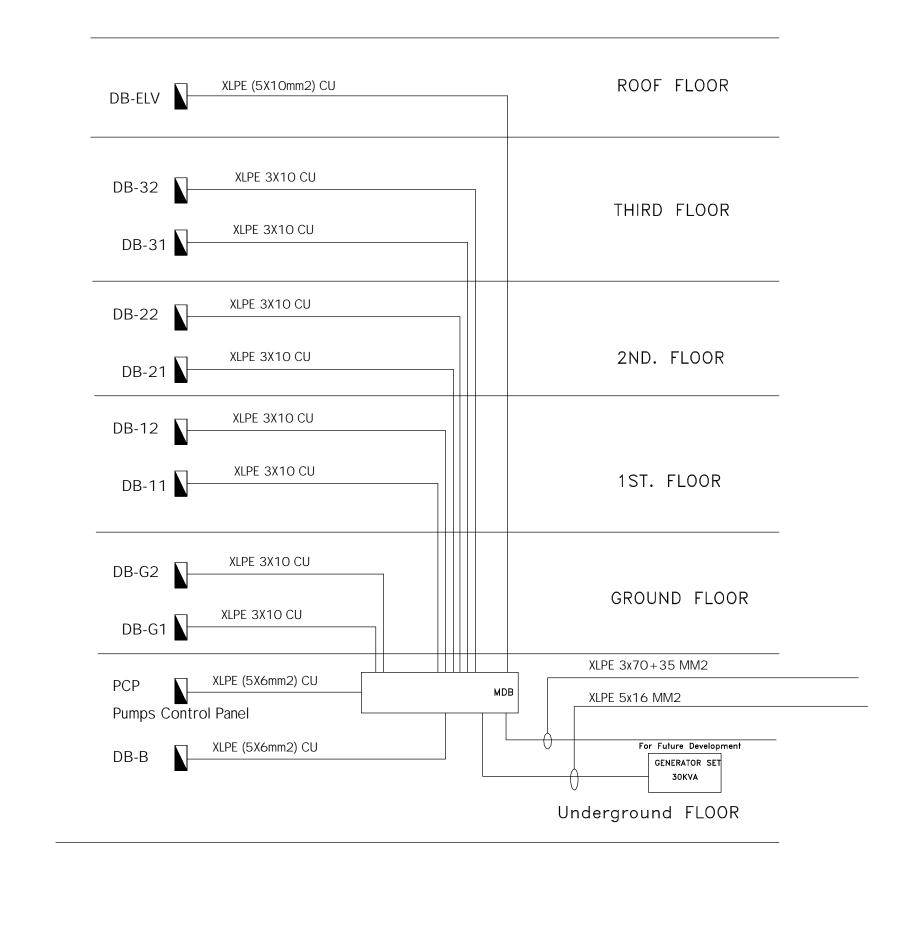


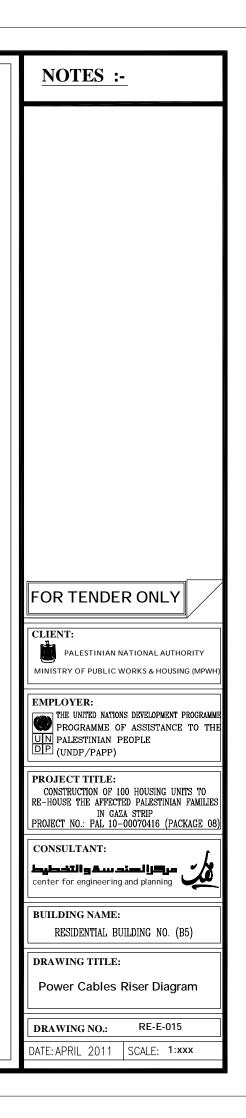


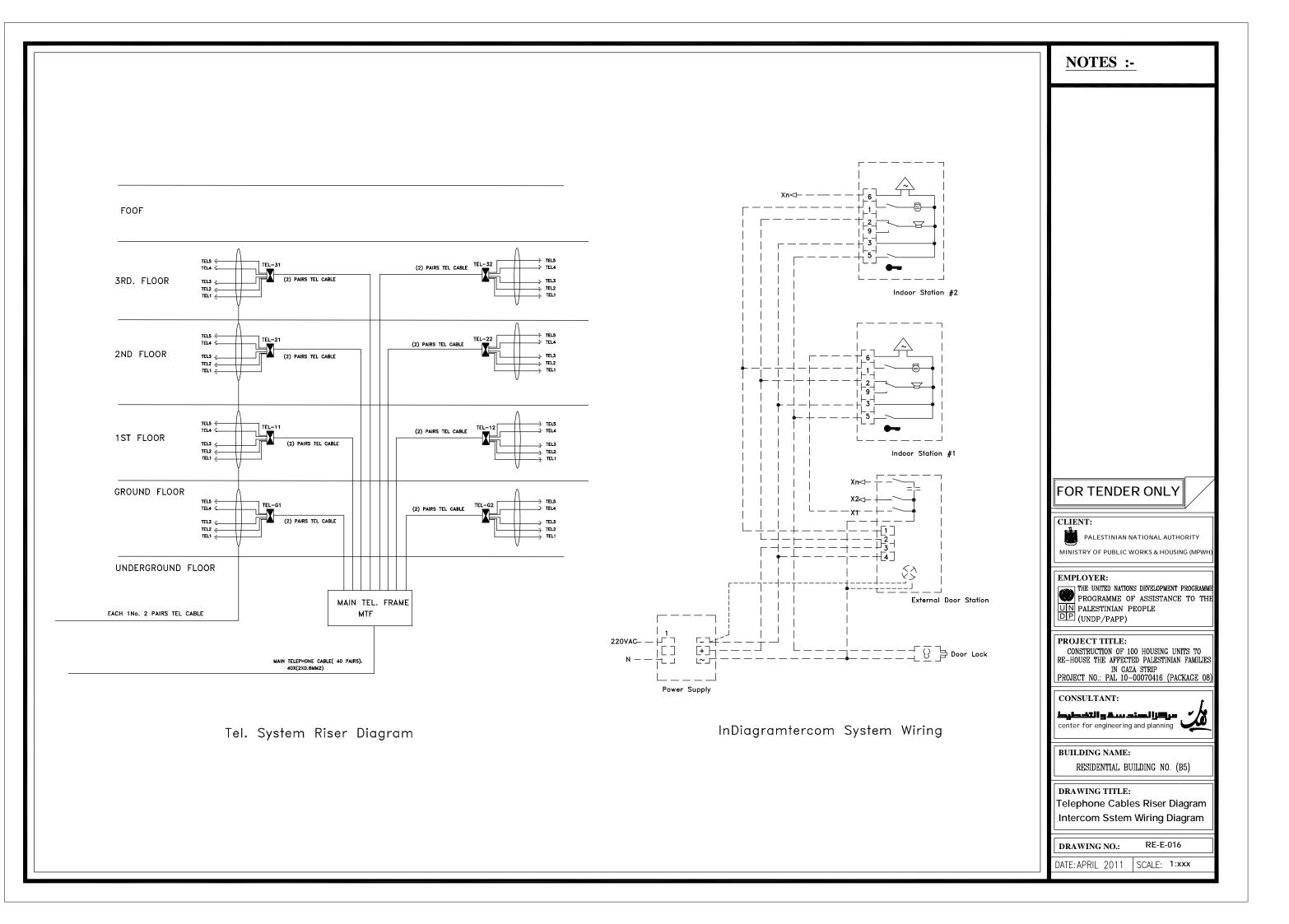


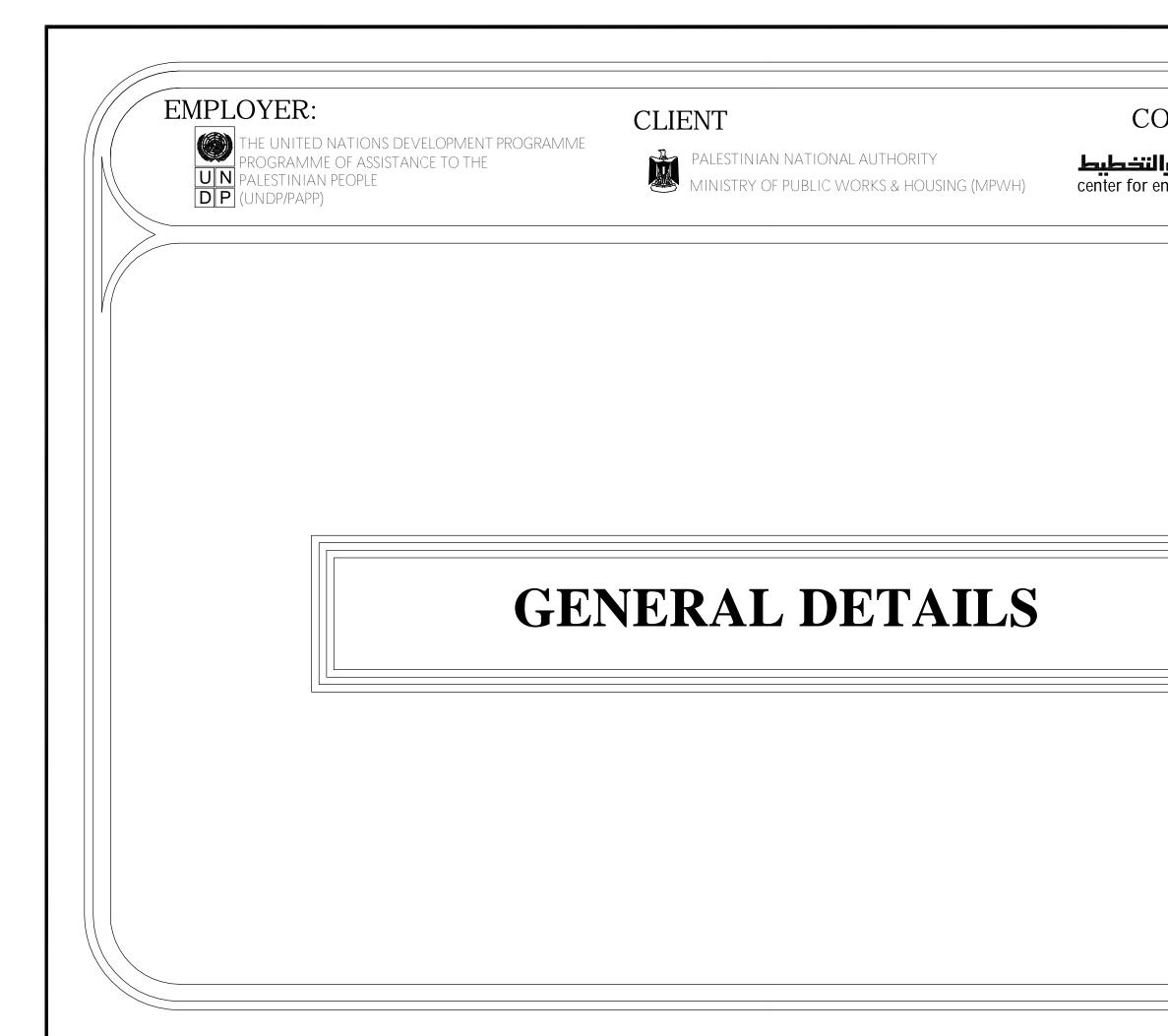


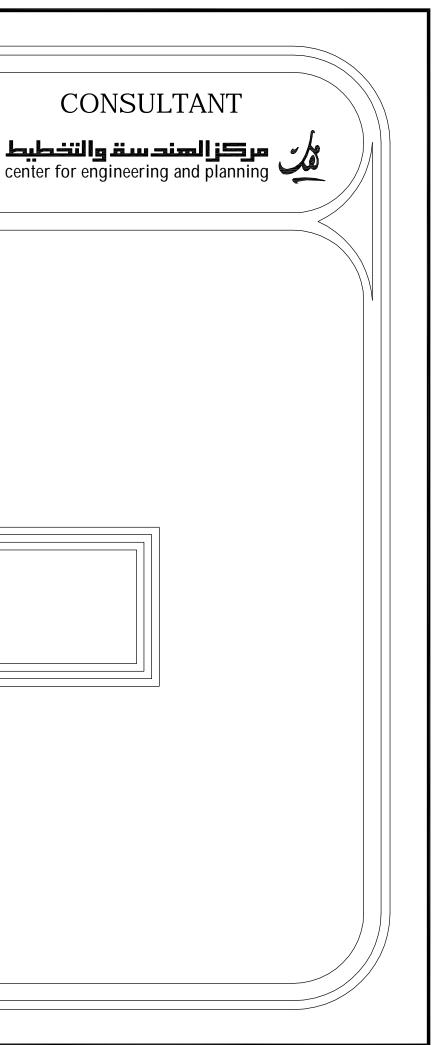












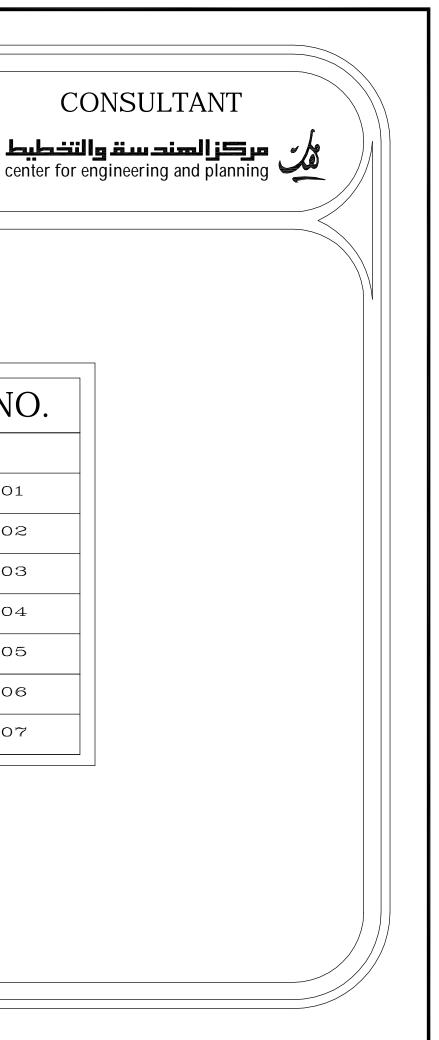


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE DP (UNDP/PAPP)

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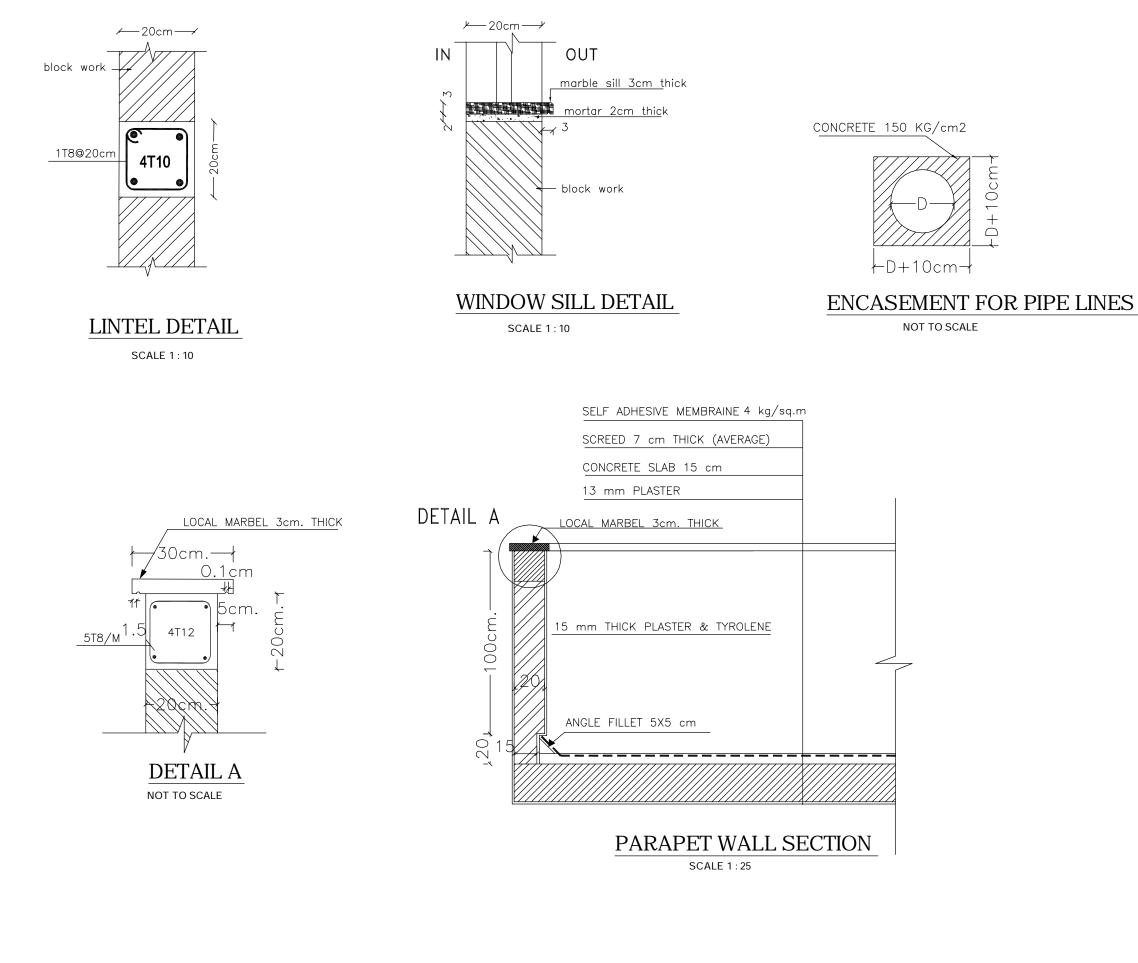


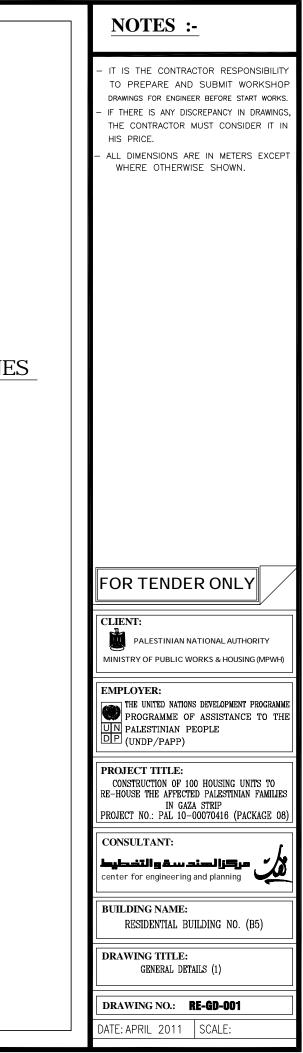
PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSI MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

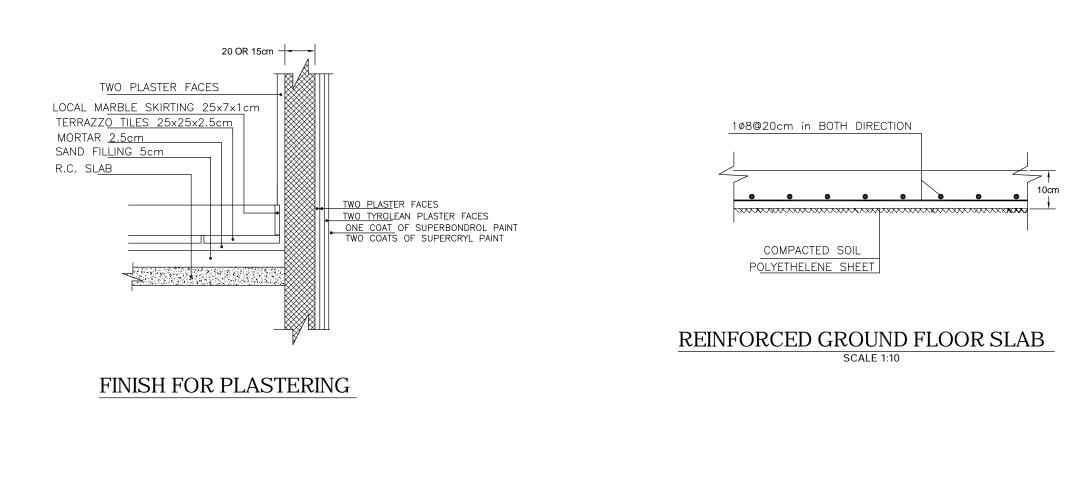


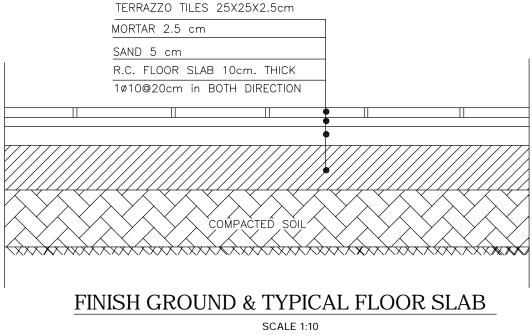
LIST OF DRAWINGS

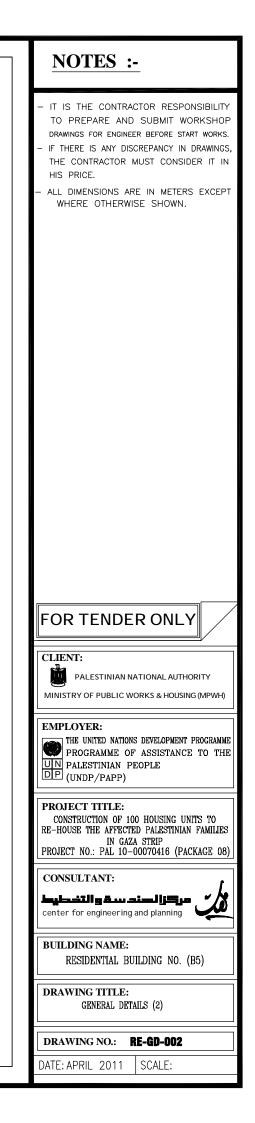
S/NO.	DRAWING NAME	DRG. NO.
	GENERAL DETAILS	
01/07	GENERAL DETAILS (1)	RE-GD-001
02/07	GENERAL DETAILS (2)	RE-GD-002
03/07	GENERAL DETAILS (3)	RE-GD-003
04/07	GENERAL DETAILS (4)	RE-GD-004
05/07	GENERAL DETAILS (5)	RE-GD-005
06/07	GENERAL DETAILS (6)	RE-GD-006
07/07	GENERAL DETAILS (7)	RE-GD-007

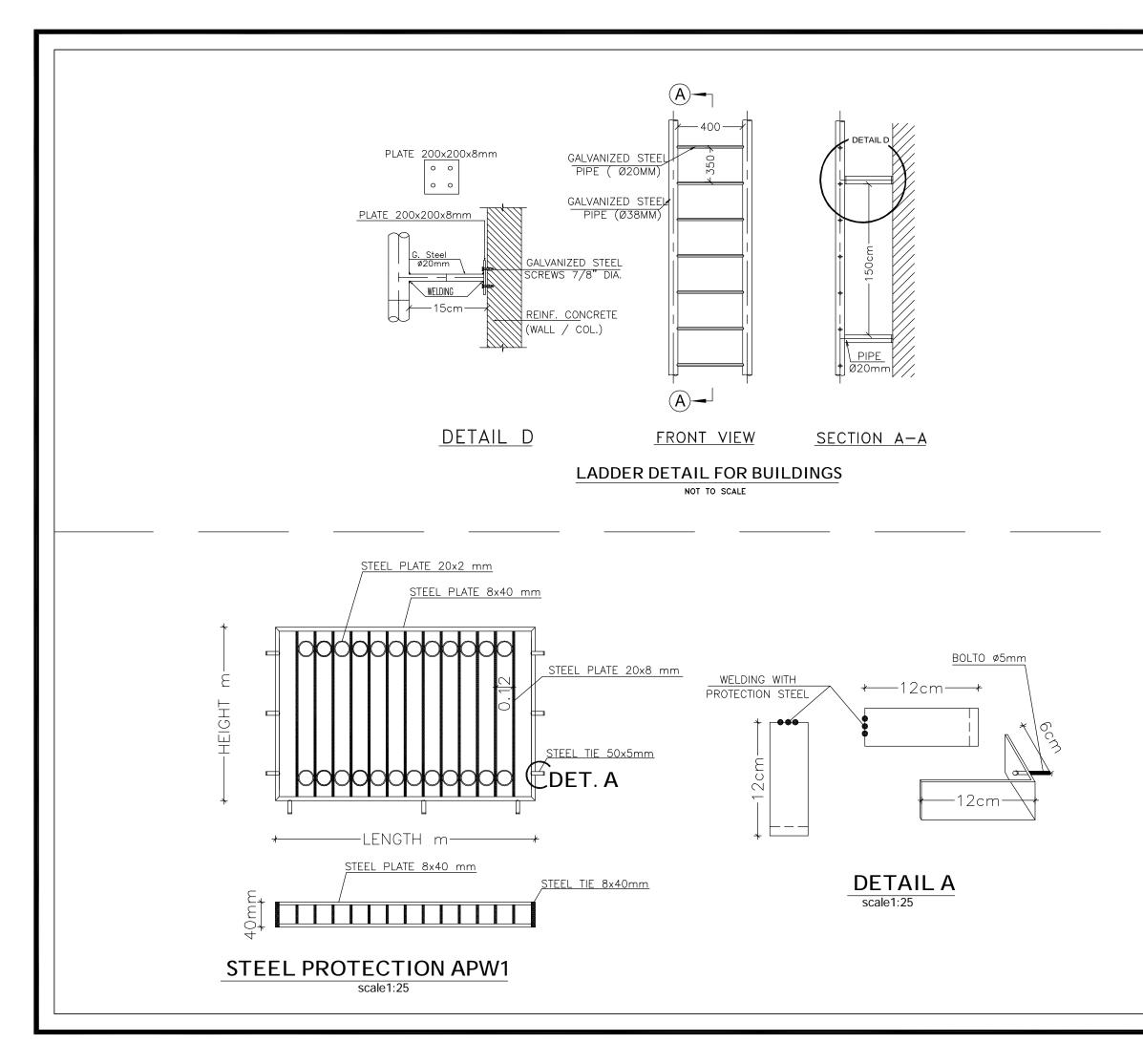


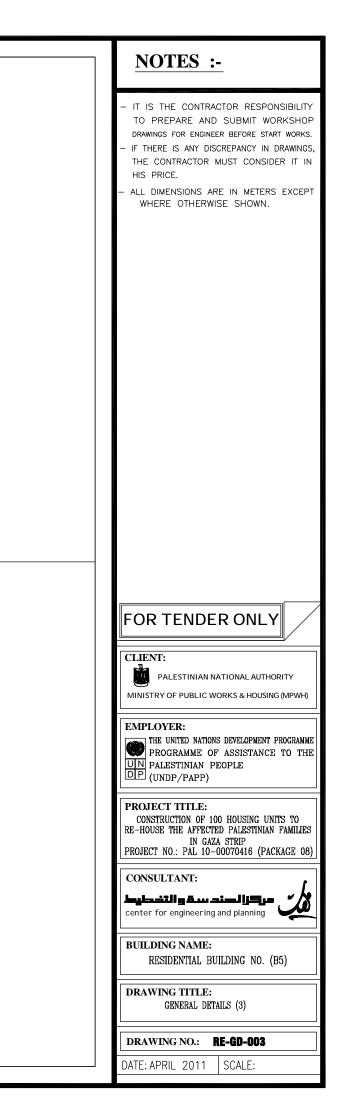


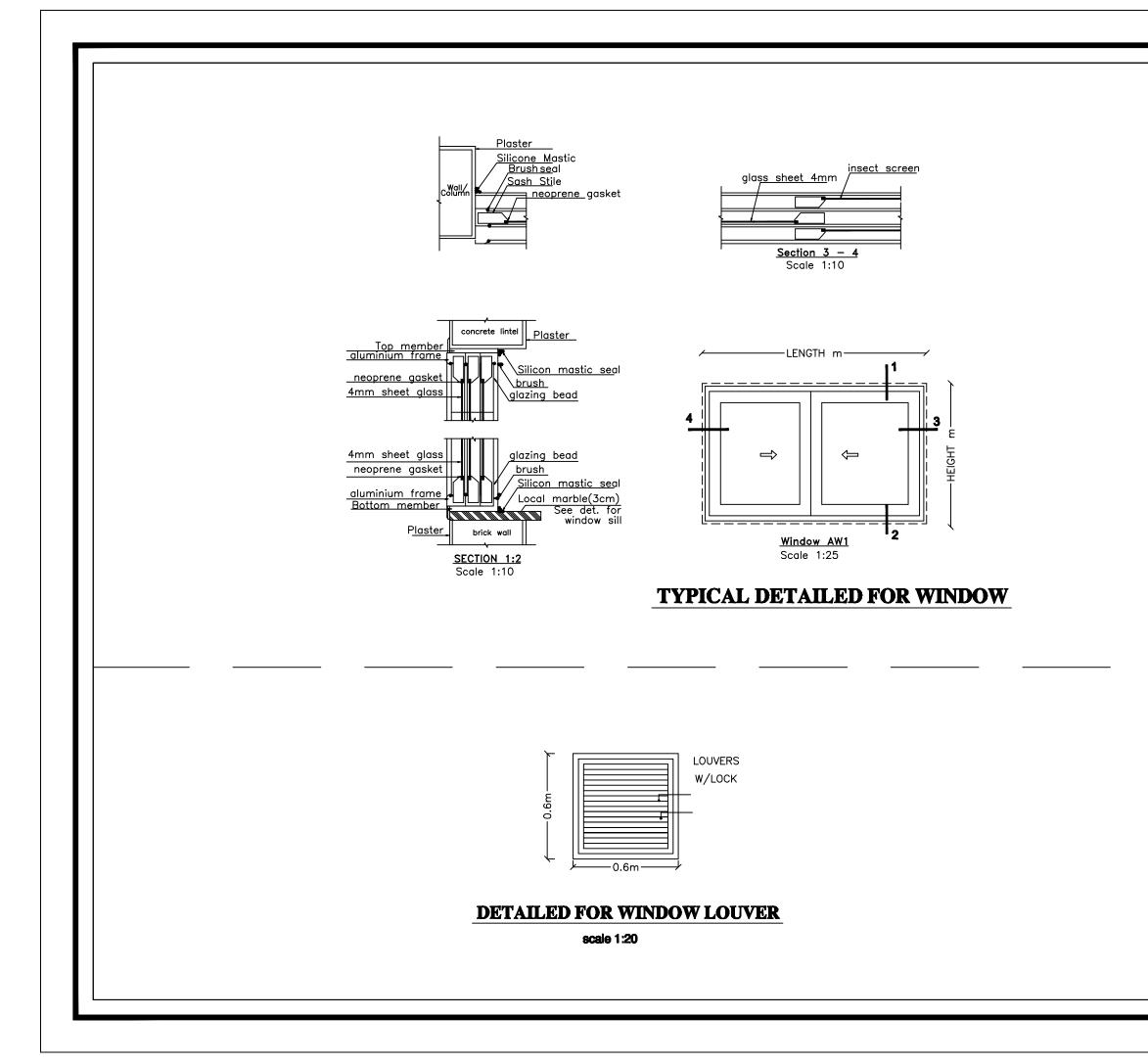


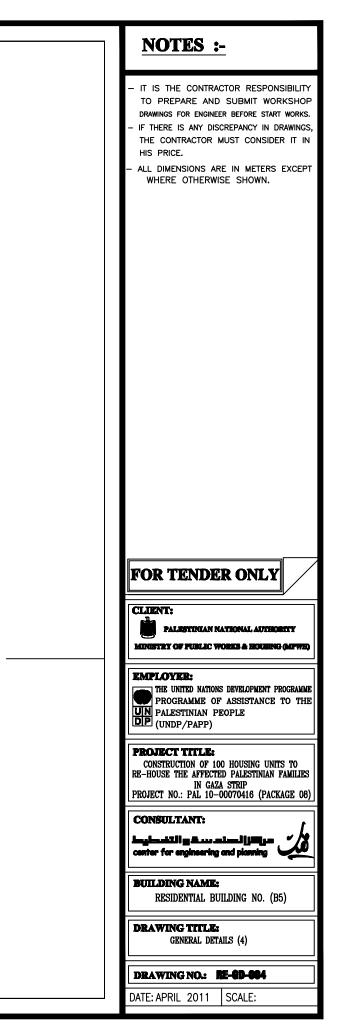


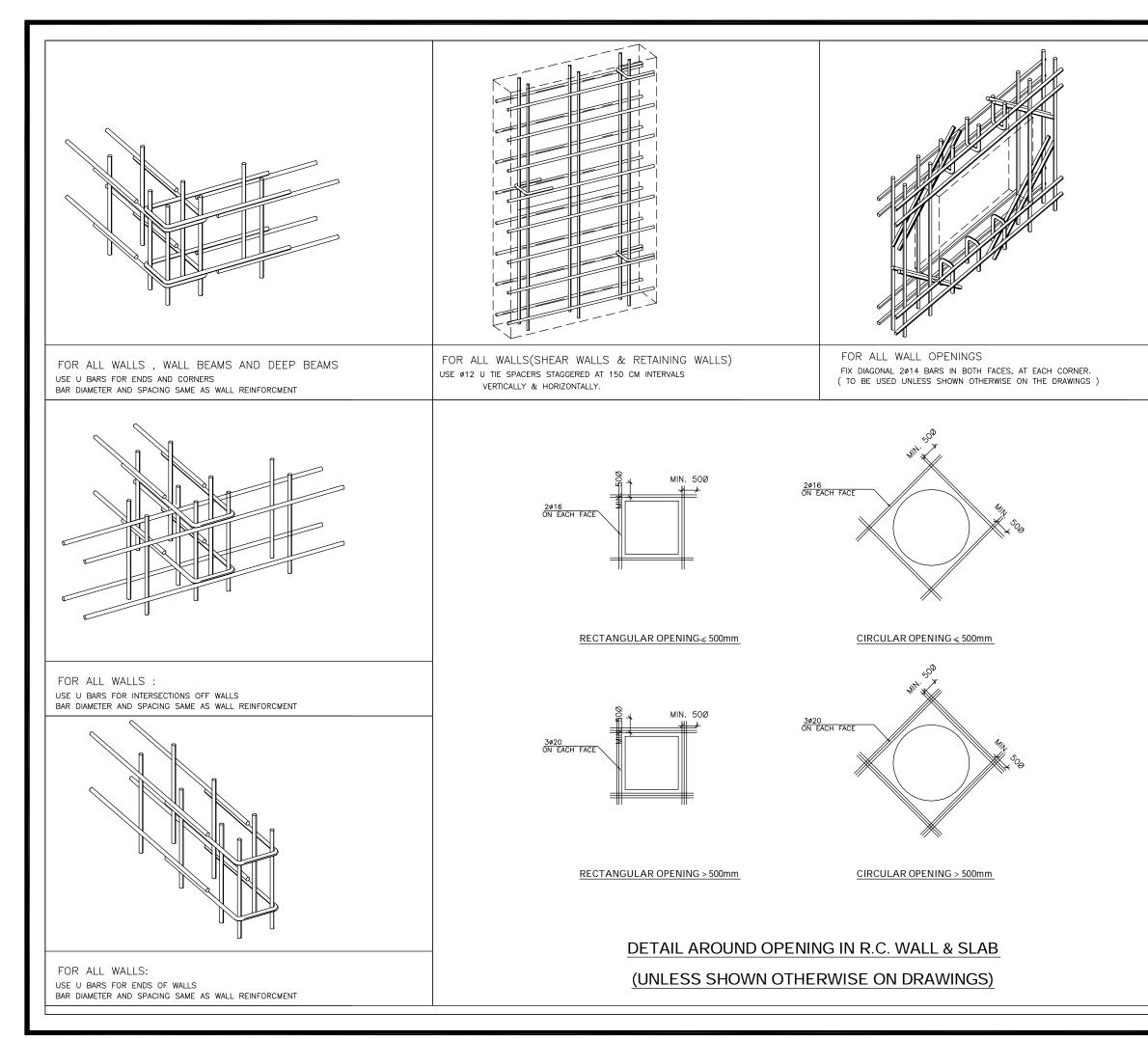


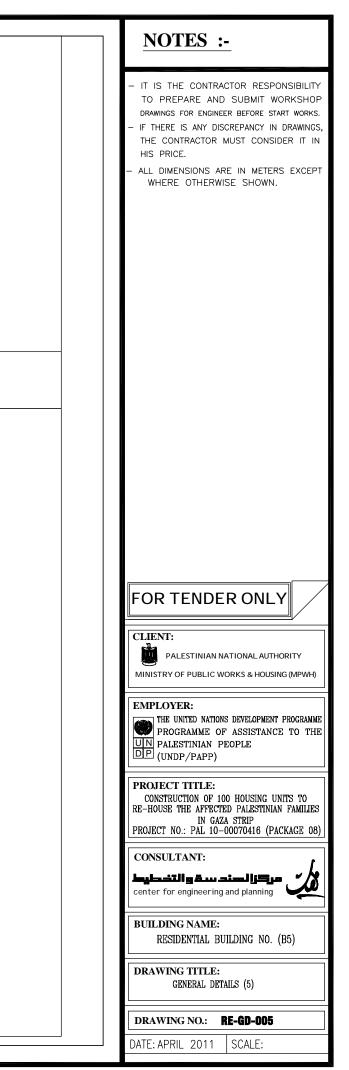






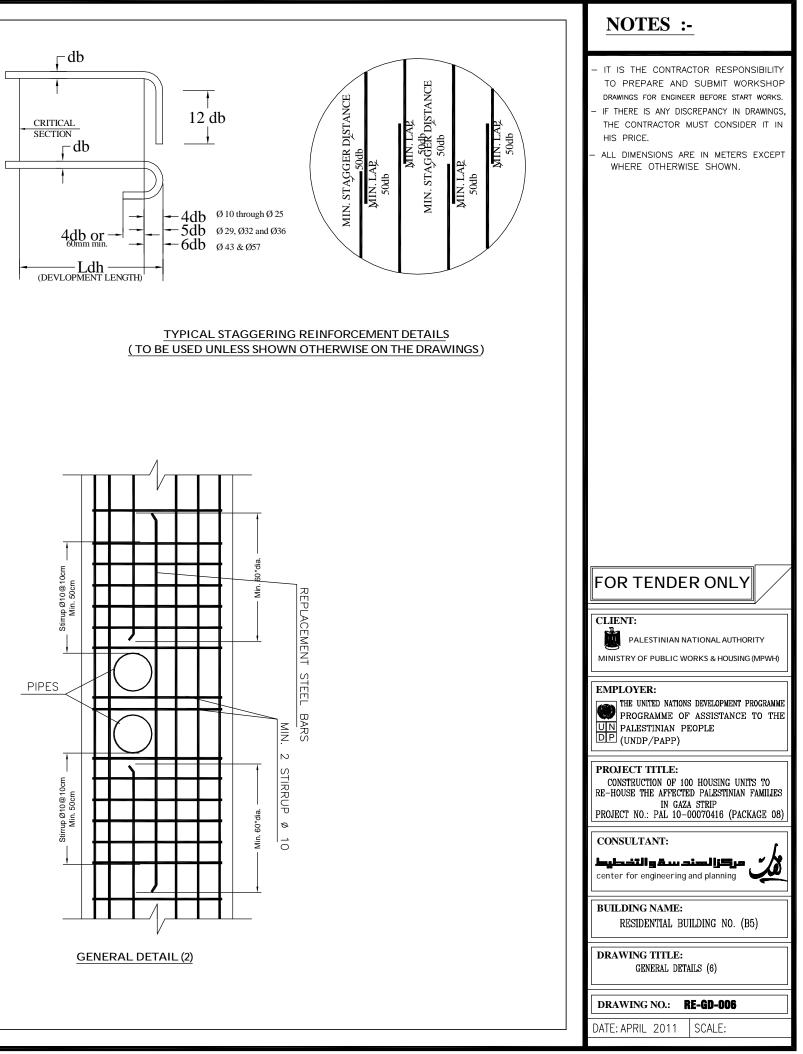


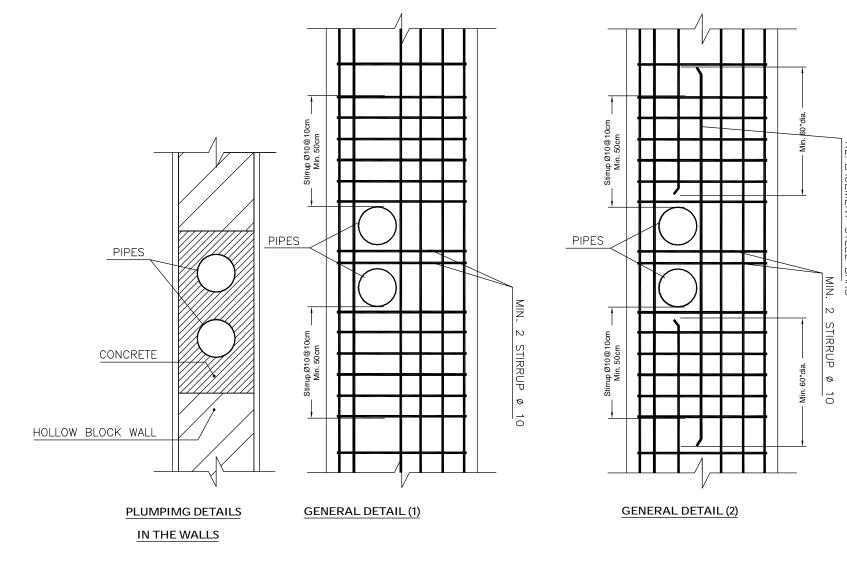


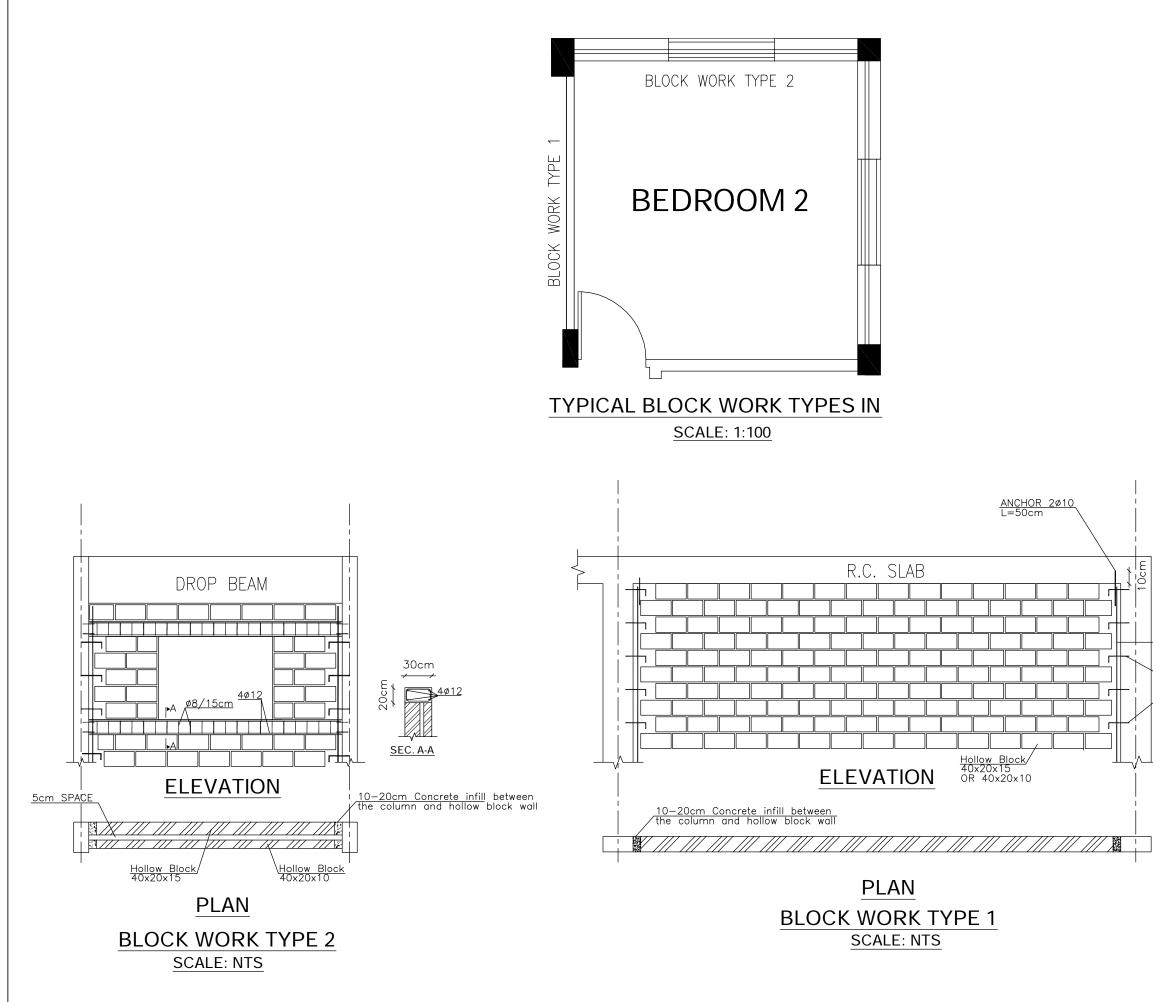


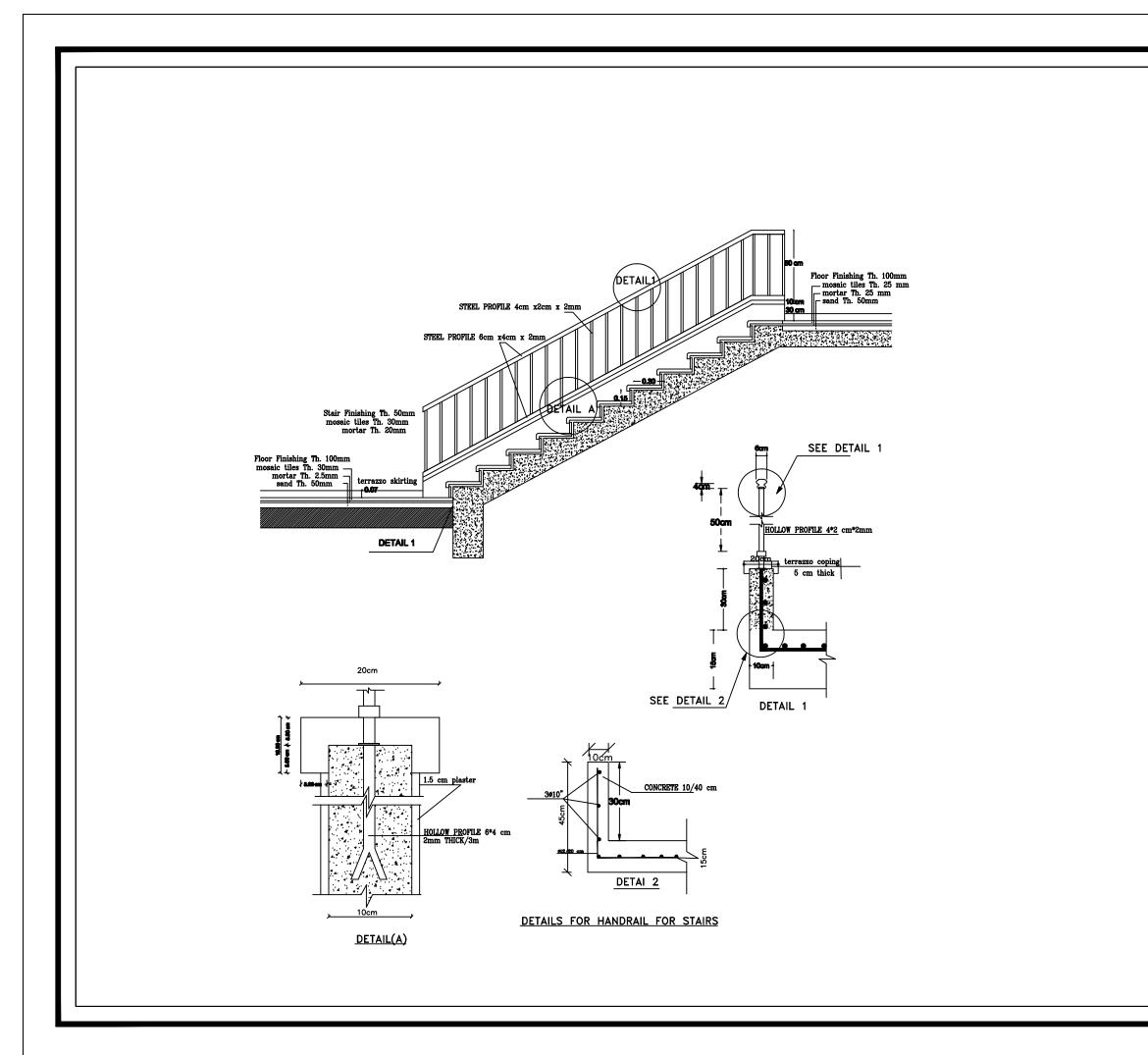
LINTELS DETAILS.

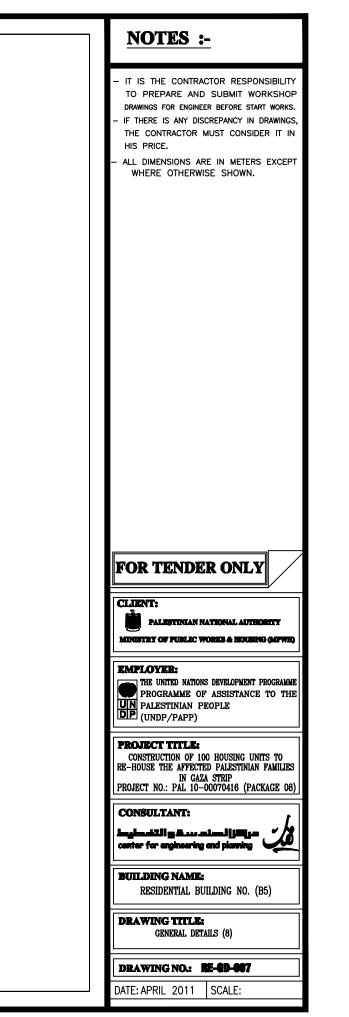
SCHEDULE OF LINTELS REINFORCEMENT								
LINTEL WIDTH =b	b=10cm.		b=15cm.		b=20cm./30cm.		DEPTH=	
CLEAR SPAN	TOP REINF.	BOTTOM REINF.	TOP REINF.	BOTTOM REINF.	TOP REINF.	BOTTOM REINF.	d	STIRRUPS
< 200	1T12	1⊤14	2T12	2T12	2T12	2T14	20	1ø8@200mm
200-300	1T12	1⊤14	2T12	2T14	2T12	2T16	25	1ø8@200mm
301-400	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



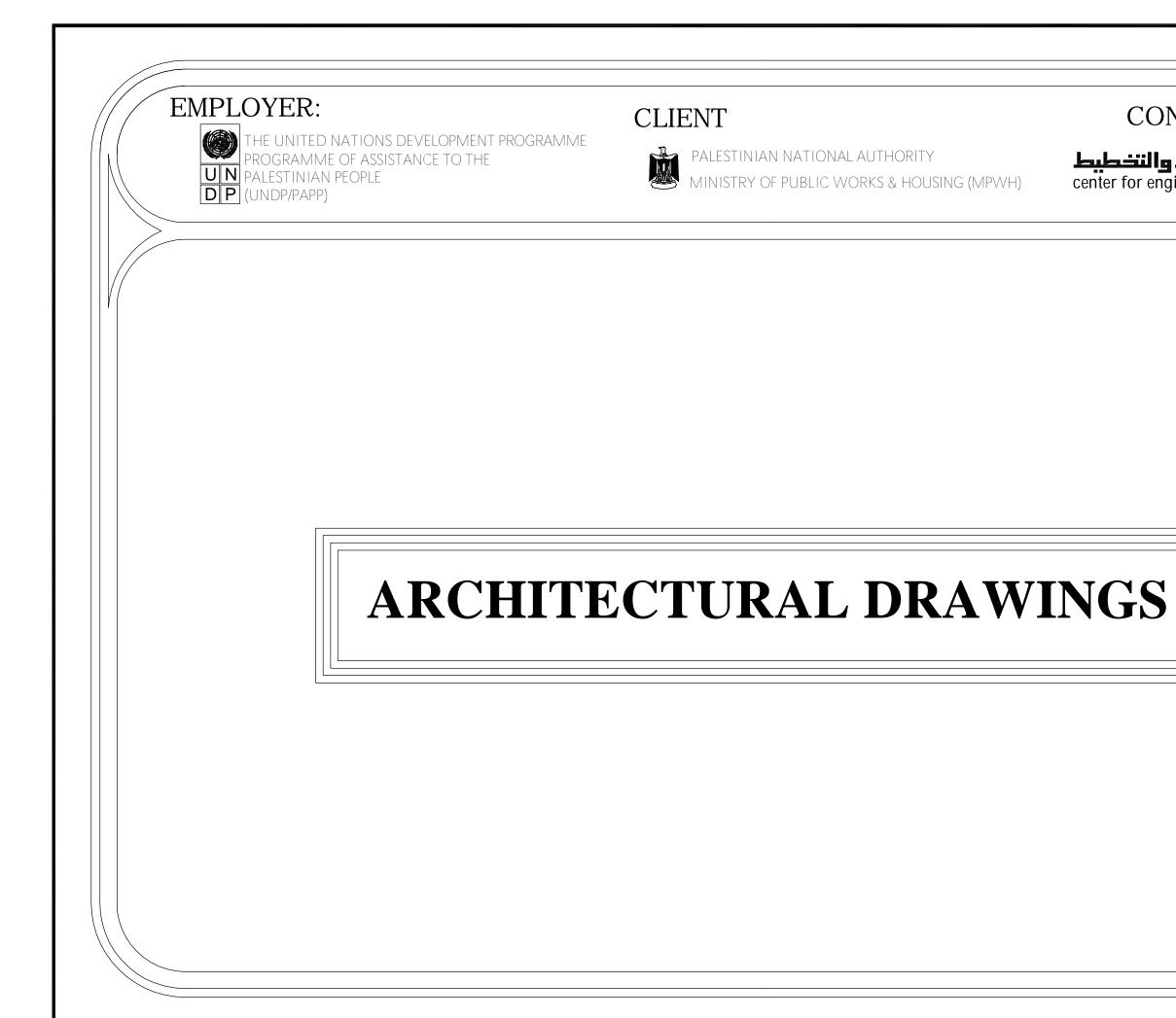


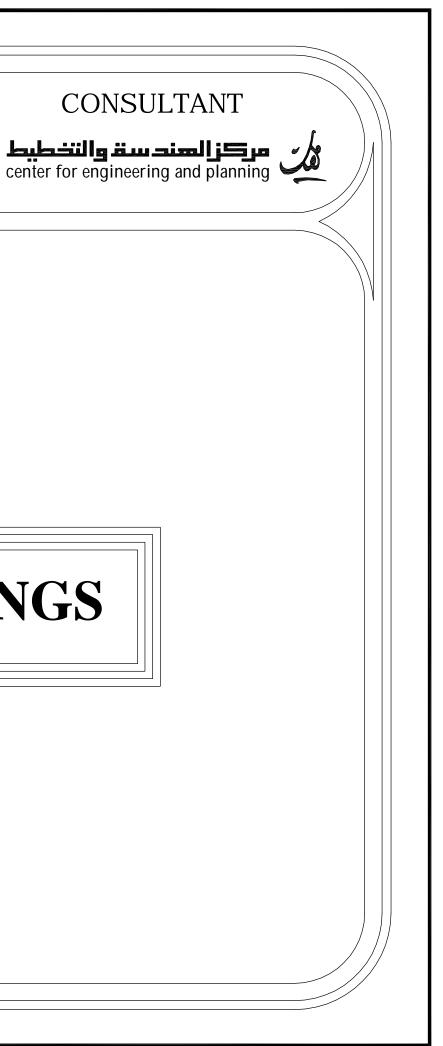












EMPLOYER:

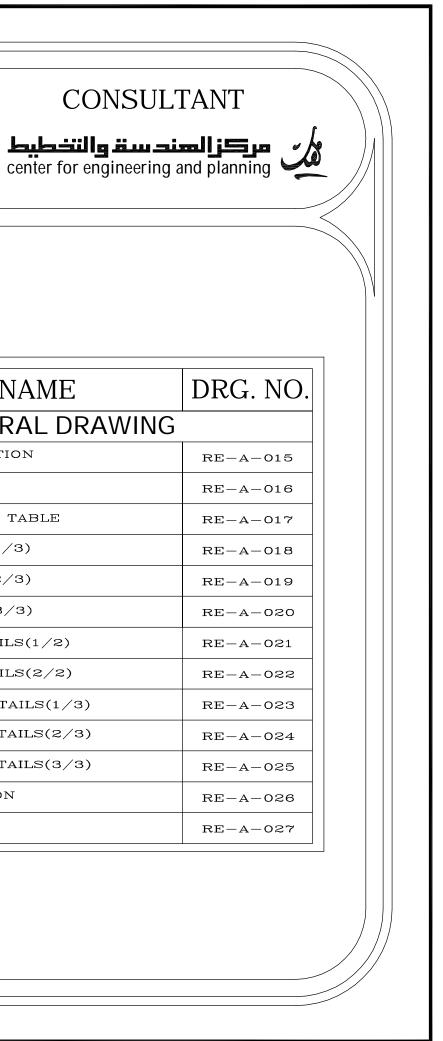


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE **DP** (UNDP/PAPP)

CLIENT

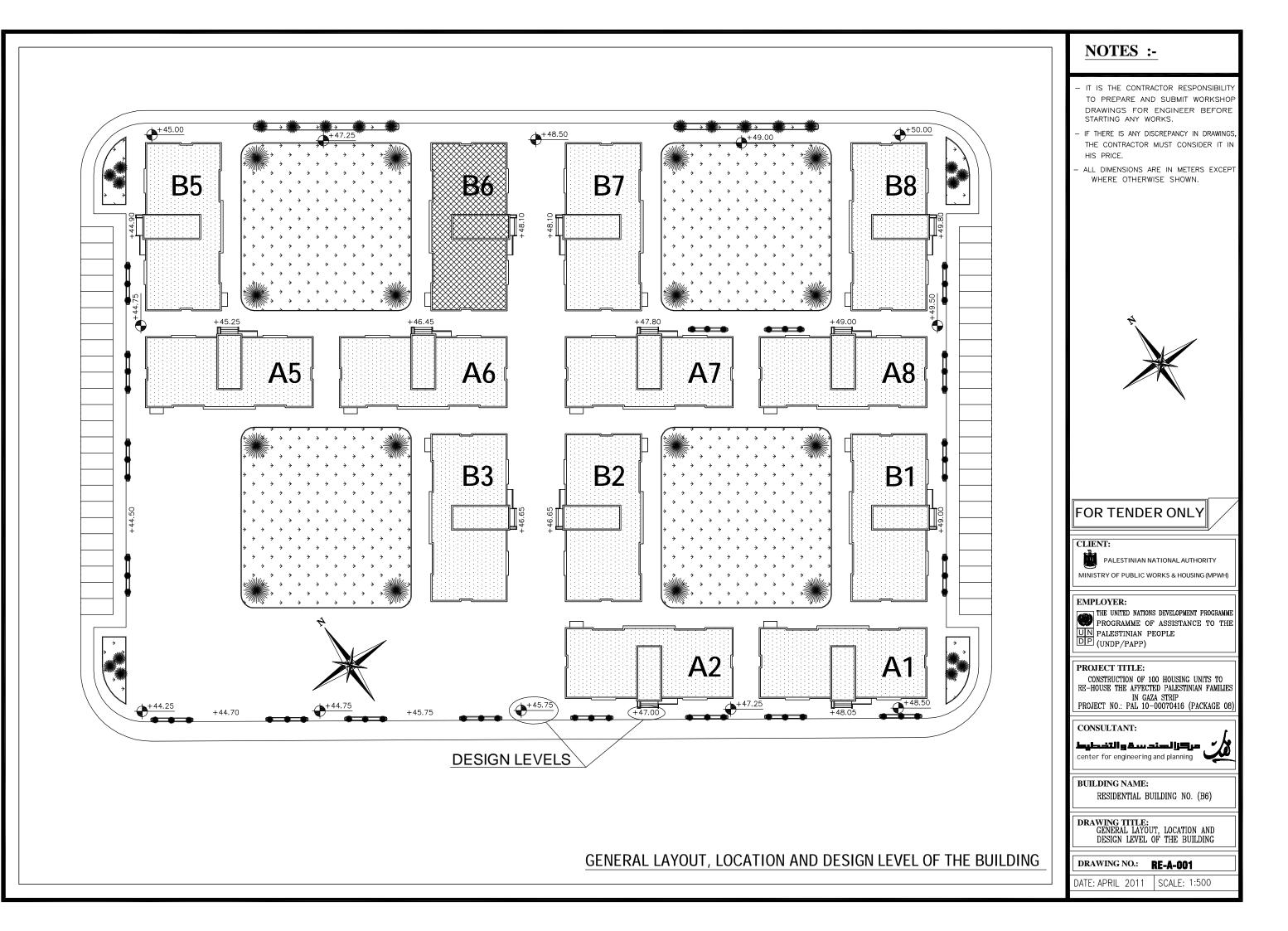


PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSI MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)



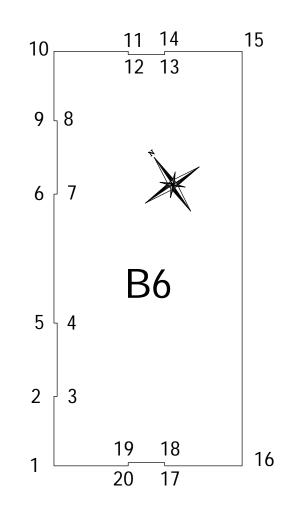
LIST OF DRAWINGS

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				

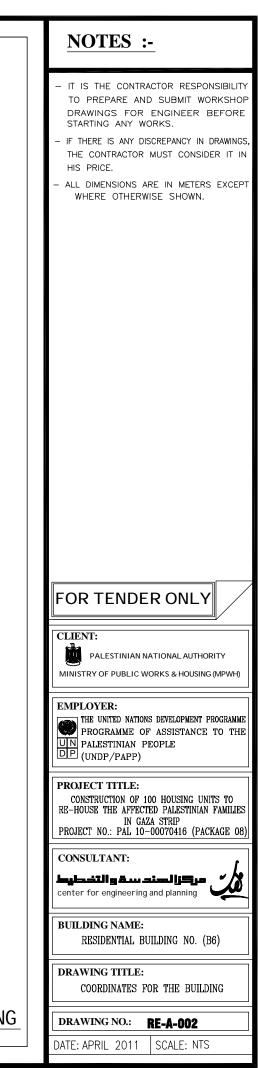


BUILDING NO. B6

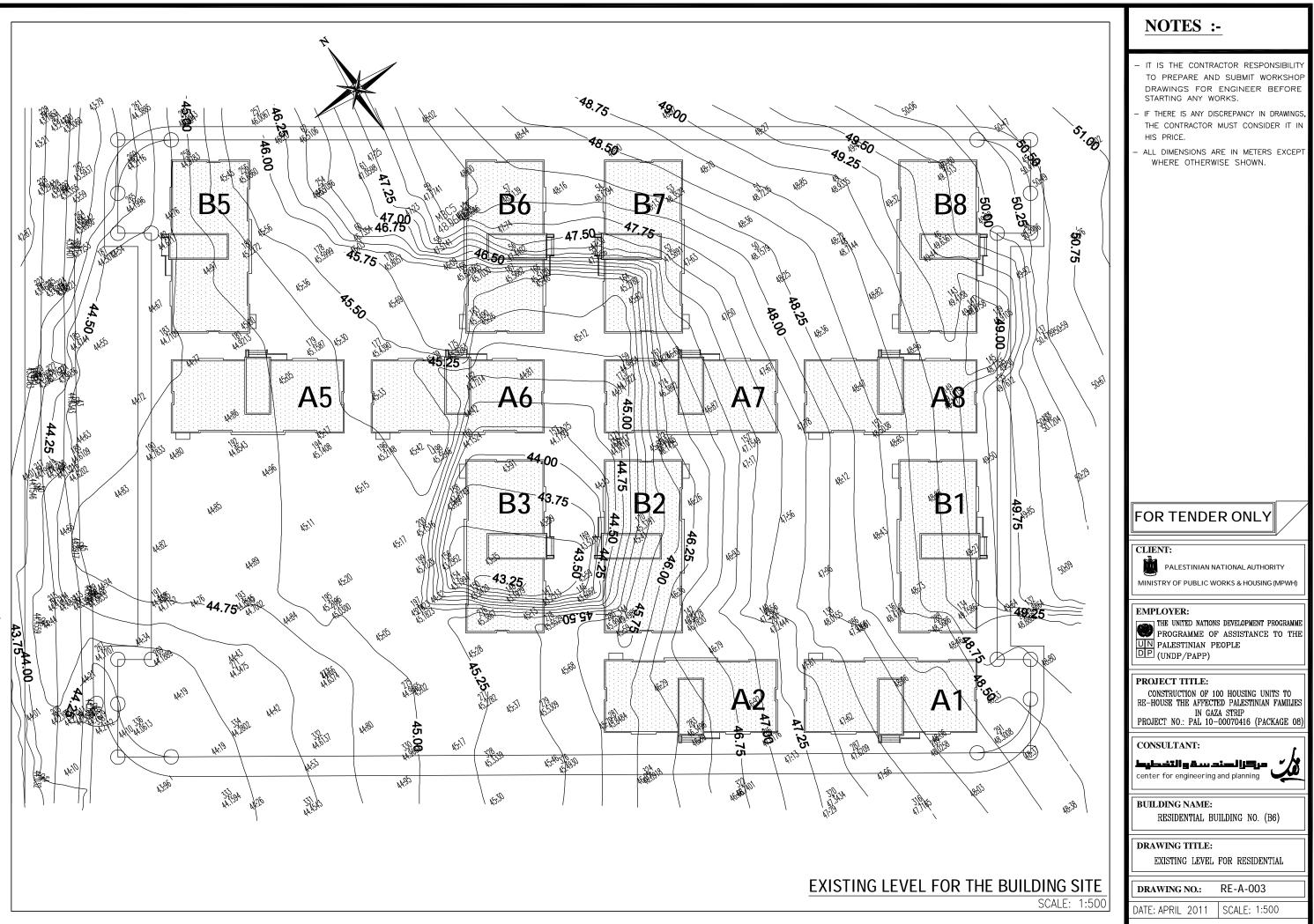
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2	100598.5148	107353.7484
3	100598.6792	107353.6345
4	100601.2982	107357.4162
5	100601.1337	107357.5301
6	100605.7454	107364.1891
7	100605.9098	107364.0753
8	100608.5288	107367.8569
9	100608.3643	107367.9708
10	100610.8410	107371.5470
11	100614.6637	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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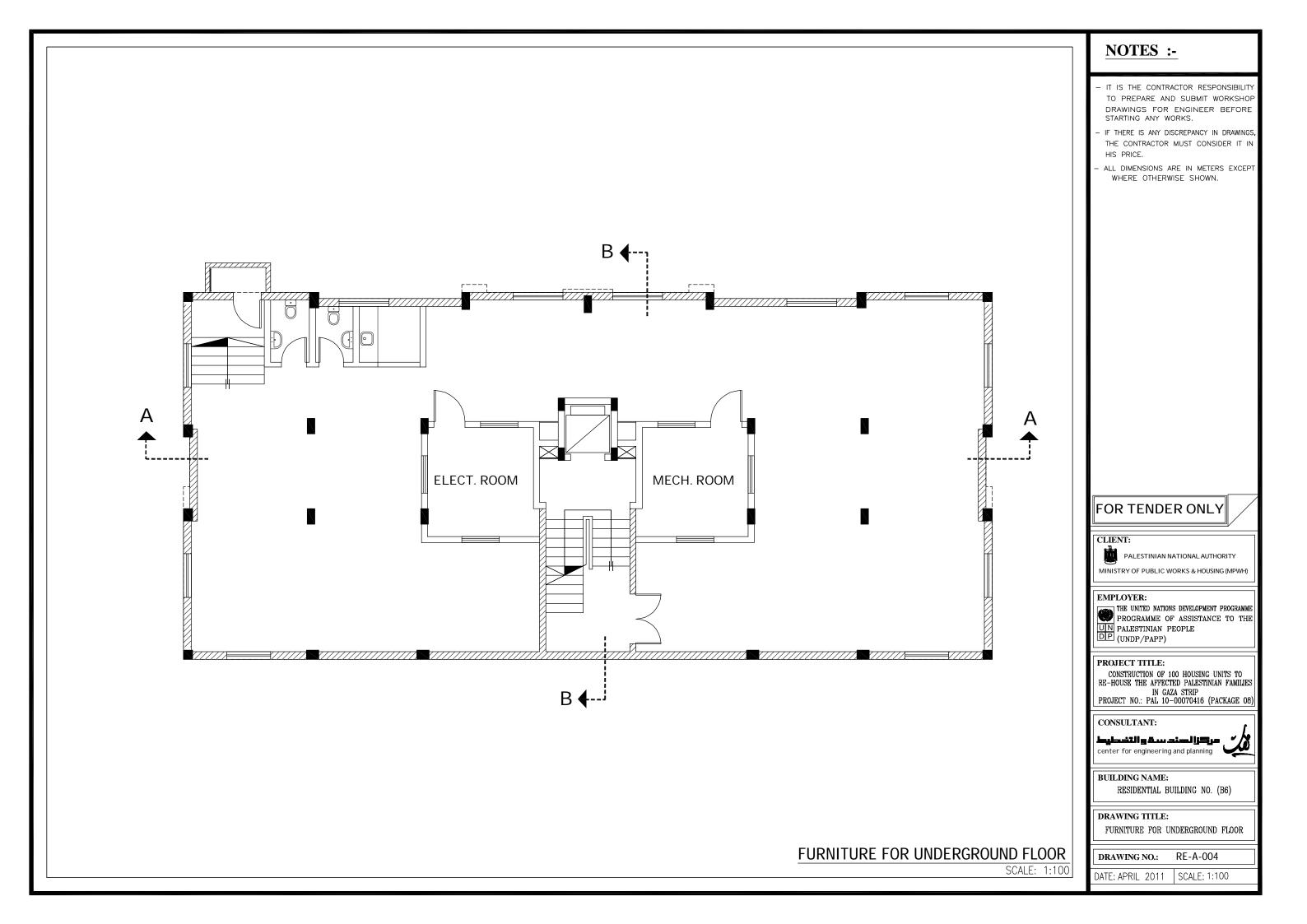


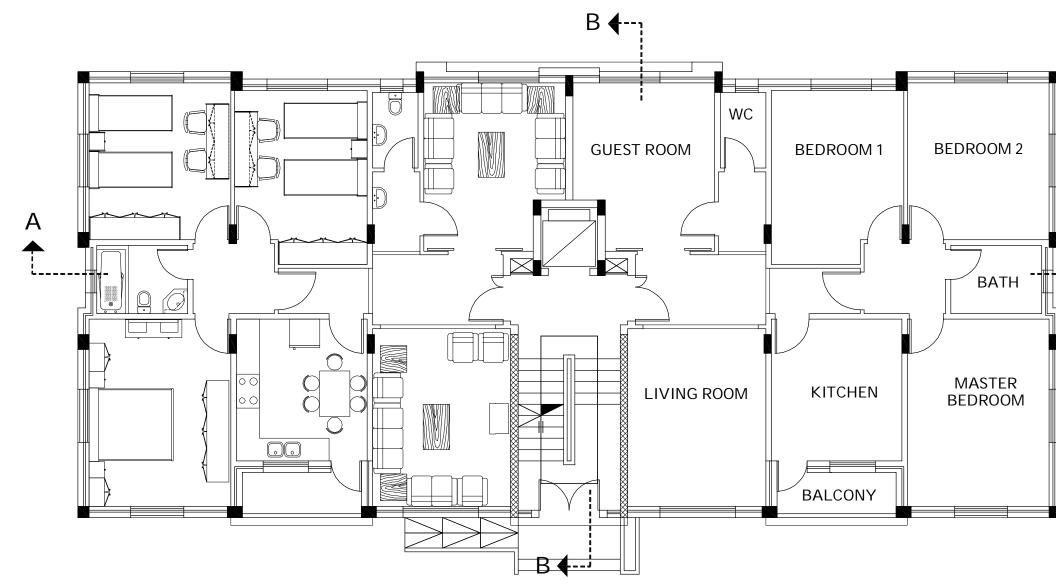
COORDINATES FOR THE BUILDING



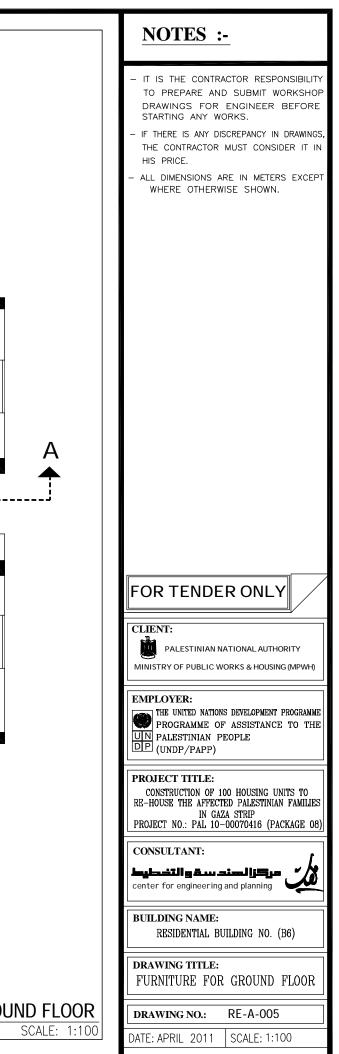


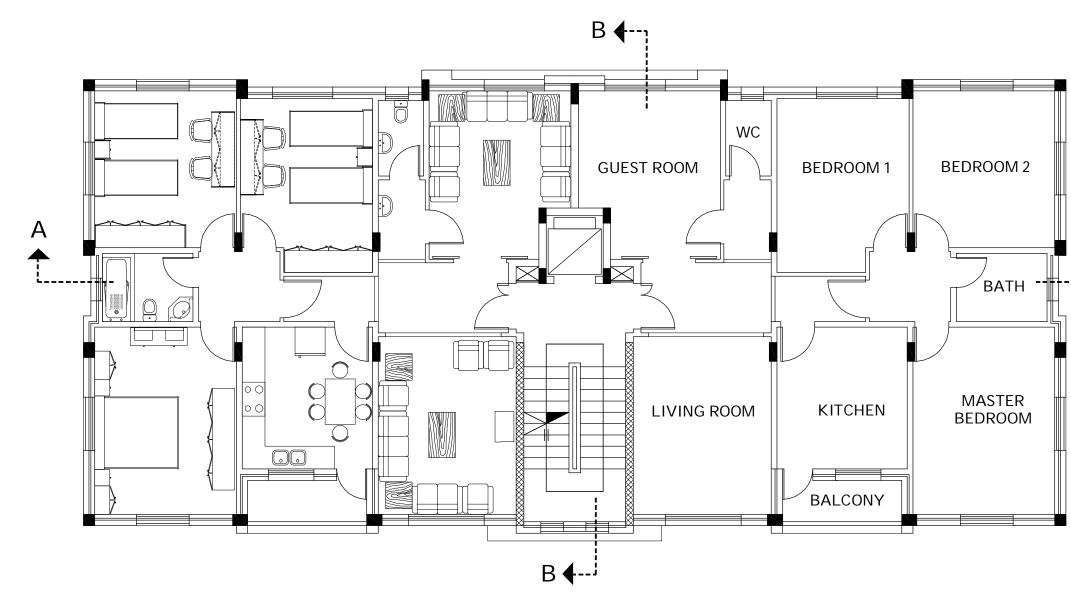




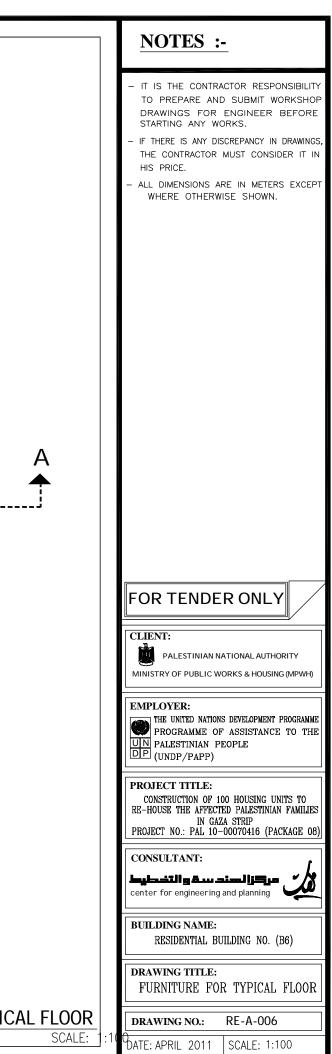


FURNITURE FOR GROUND FLOOR

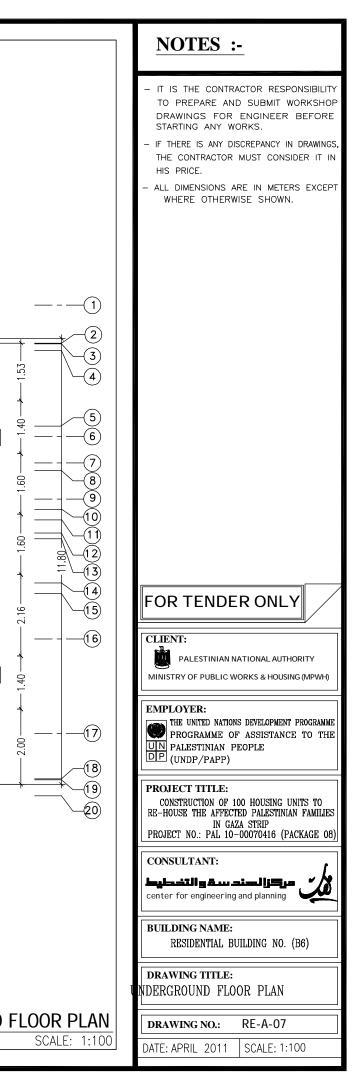


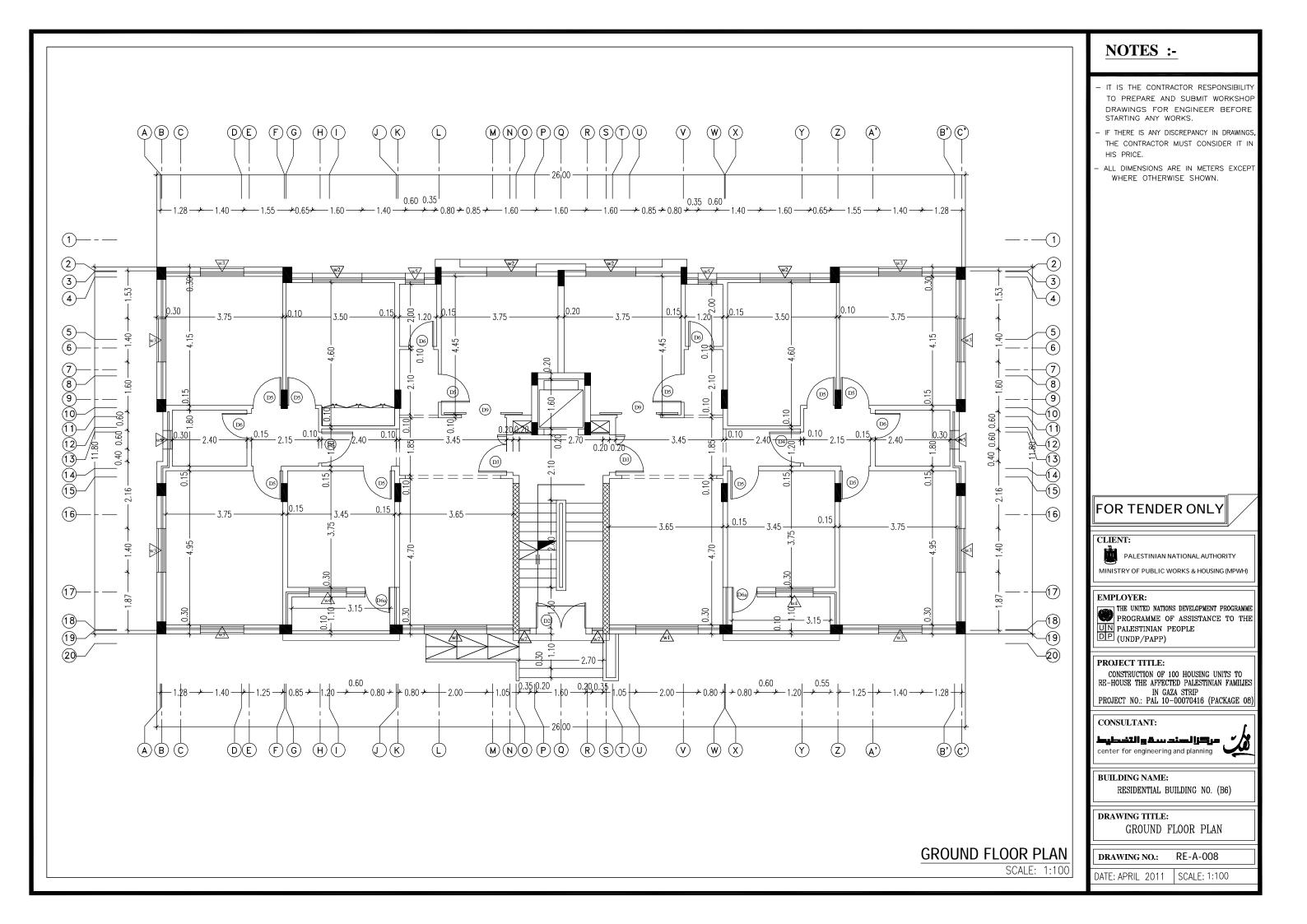


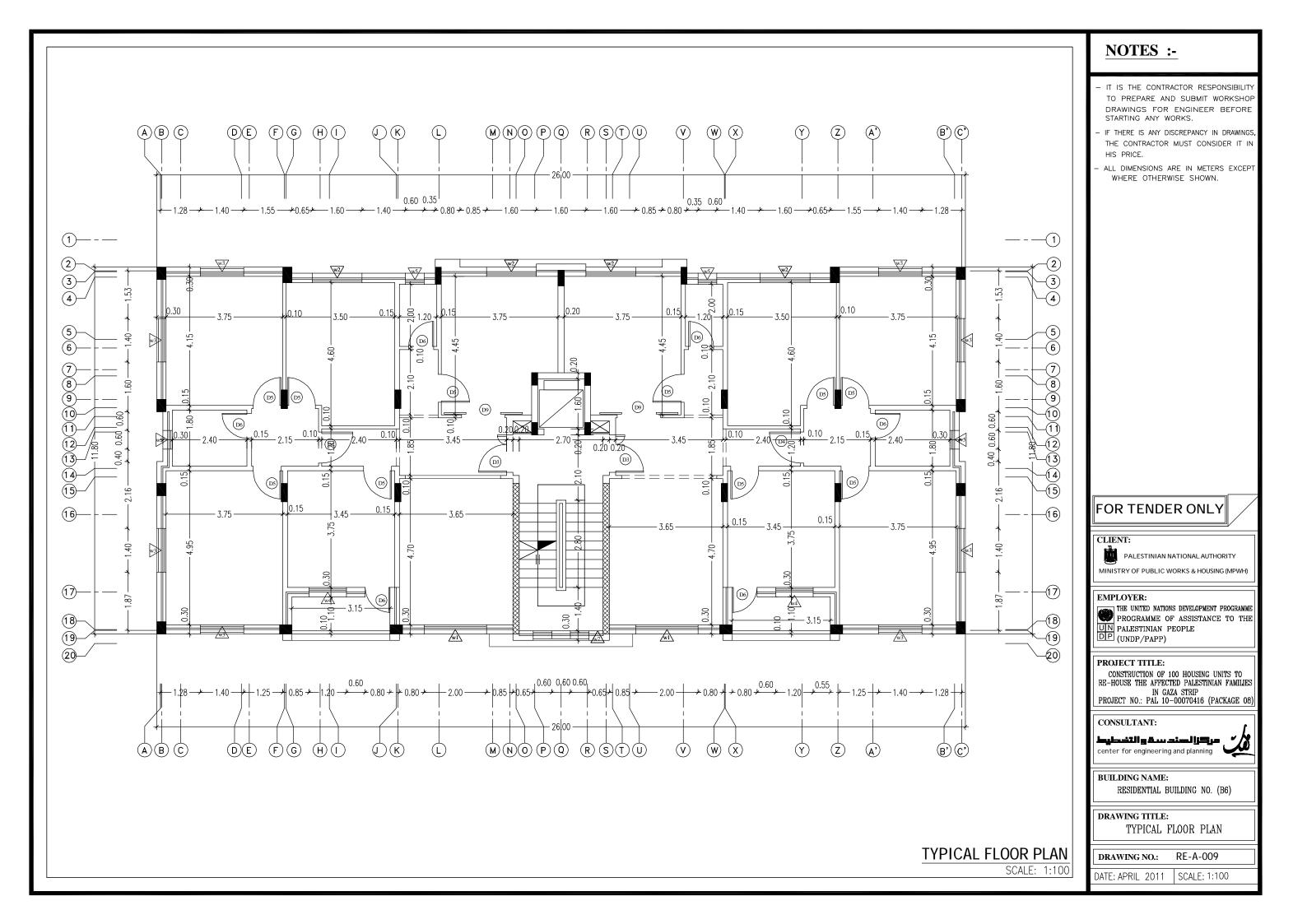
FURNITURE FOR TYPICAL FLOOR

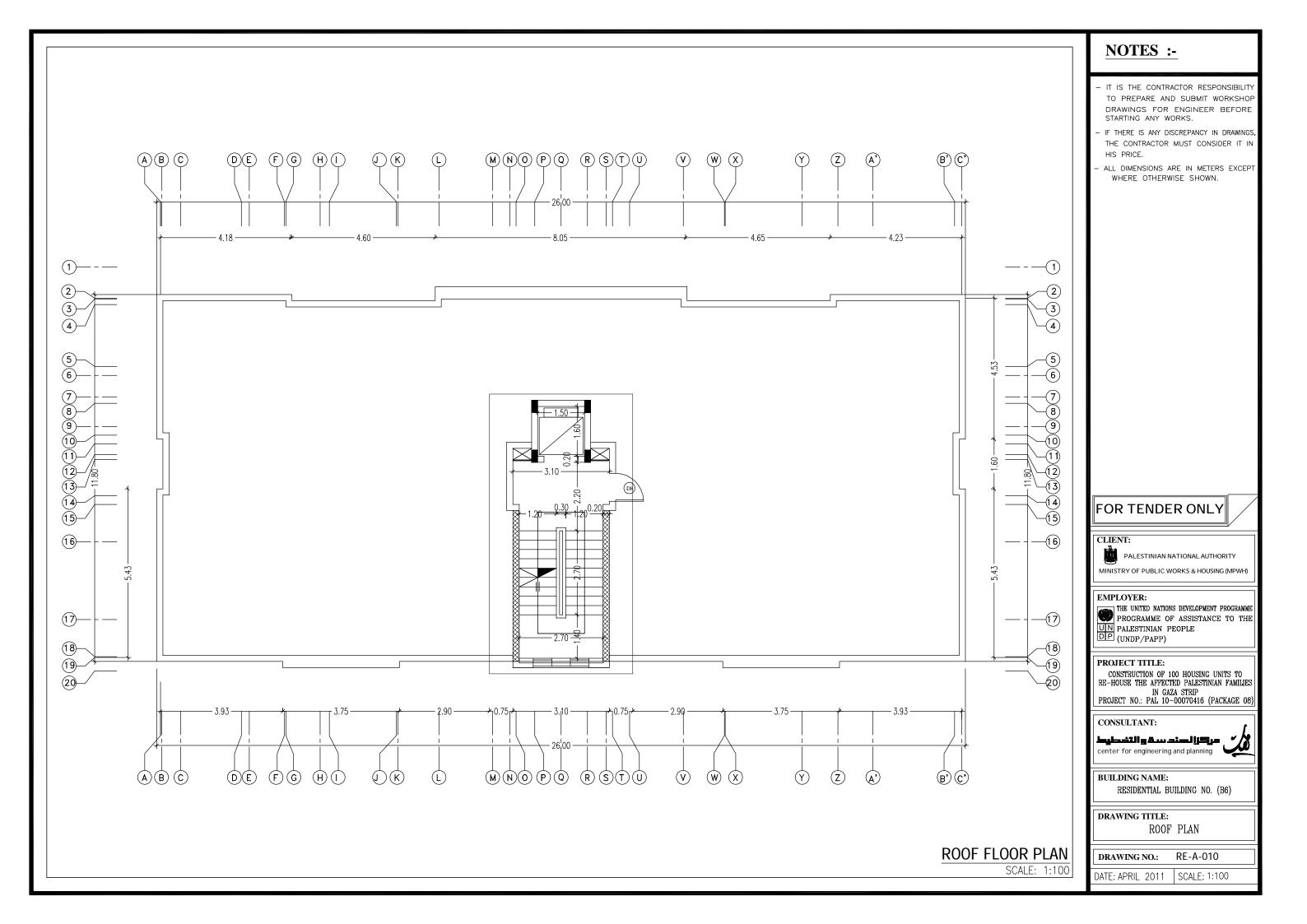


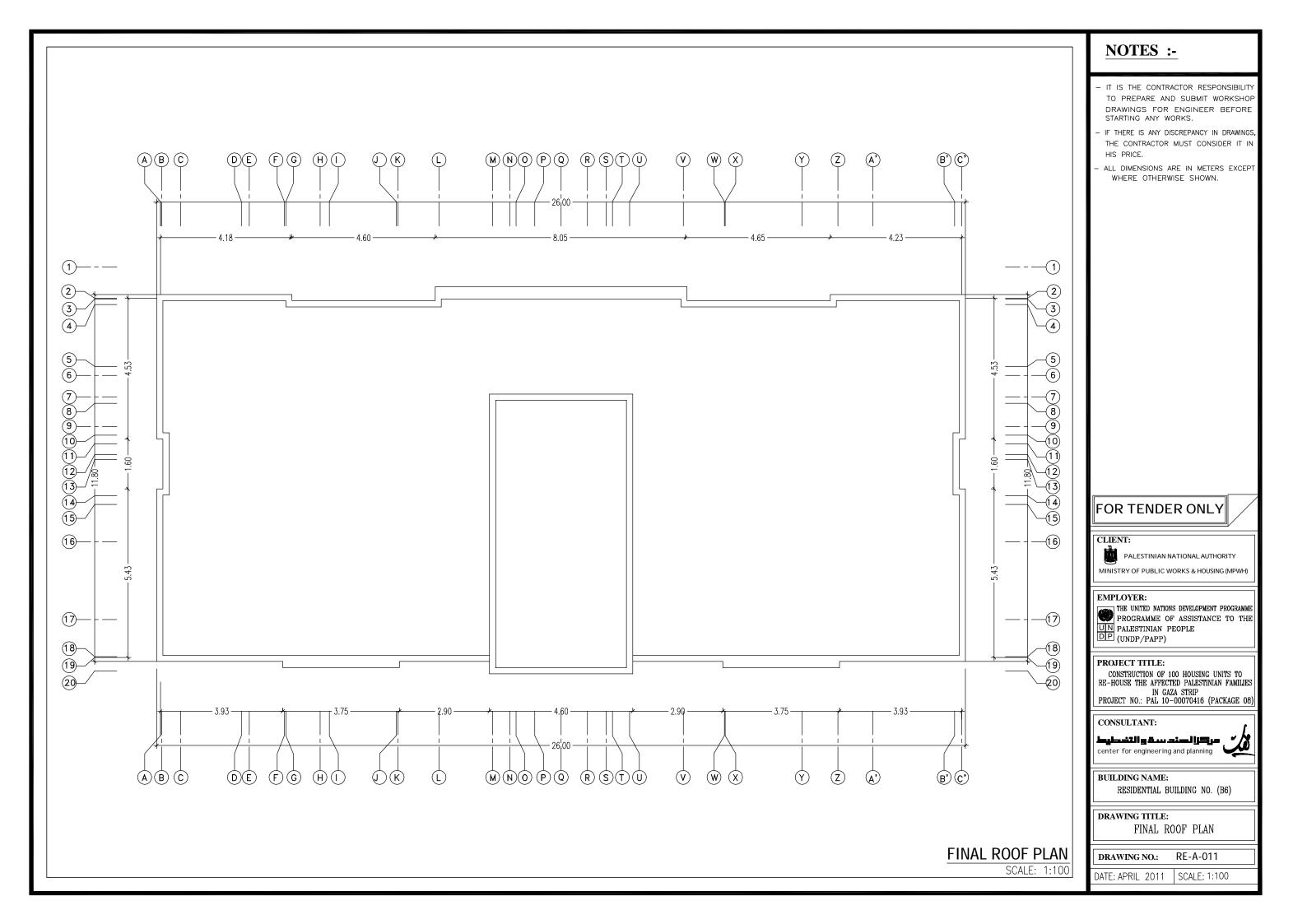
(M) (O) (P) (R) (S) (U)(A) (B) (C)(W) (X)(D)(E)(F)(G)(H)(I) $(\mathbf{J})(\mathbf{K})$ (\mathbf{V}) (\mathbf{Y}) (Z)(A')(B')(C')26,00 + 0.80 + 0.85 + 1.60 + 1.60 + 1.60 + 0.85 + 0.80 + +0.58+ ≁ 1.55 ≁0.65⊁ 1.60 ≁ - 2.35 ----- 2.35 --+ 1.60 + 0.65 + 1.55 + 1.40 + 1.28 -- 2.10 -(1)7//////// (2)(3) D8) 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

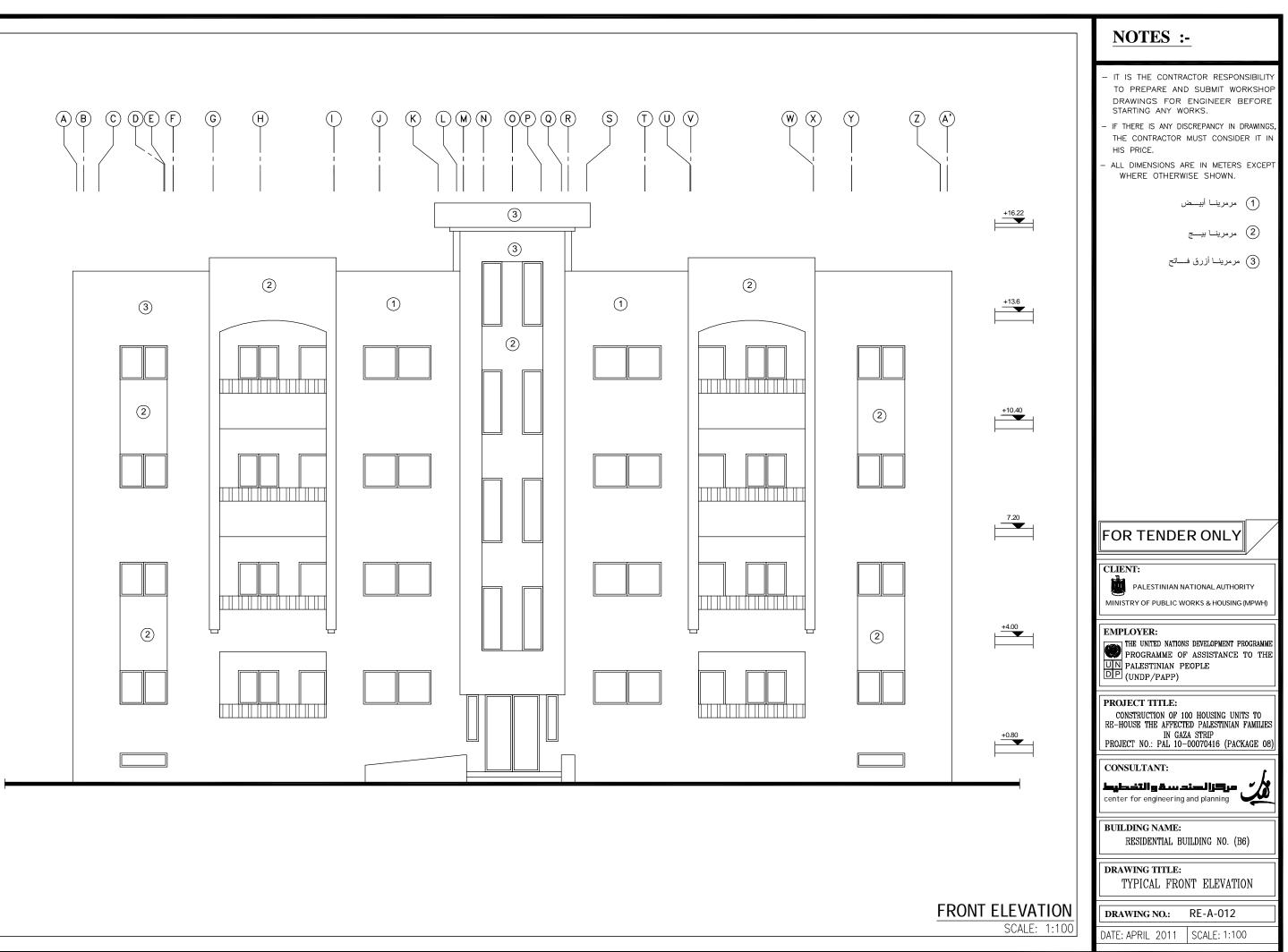


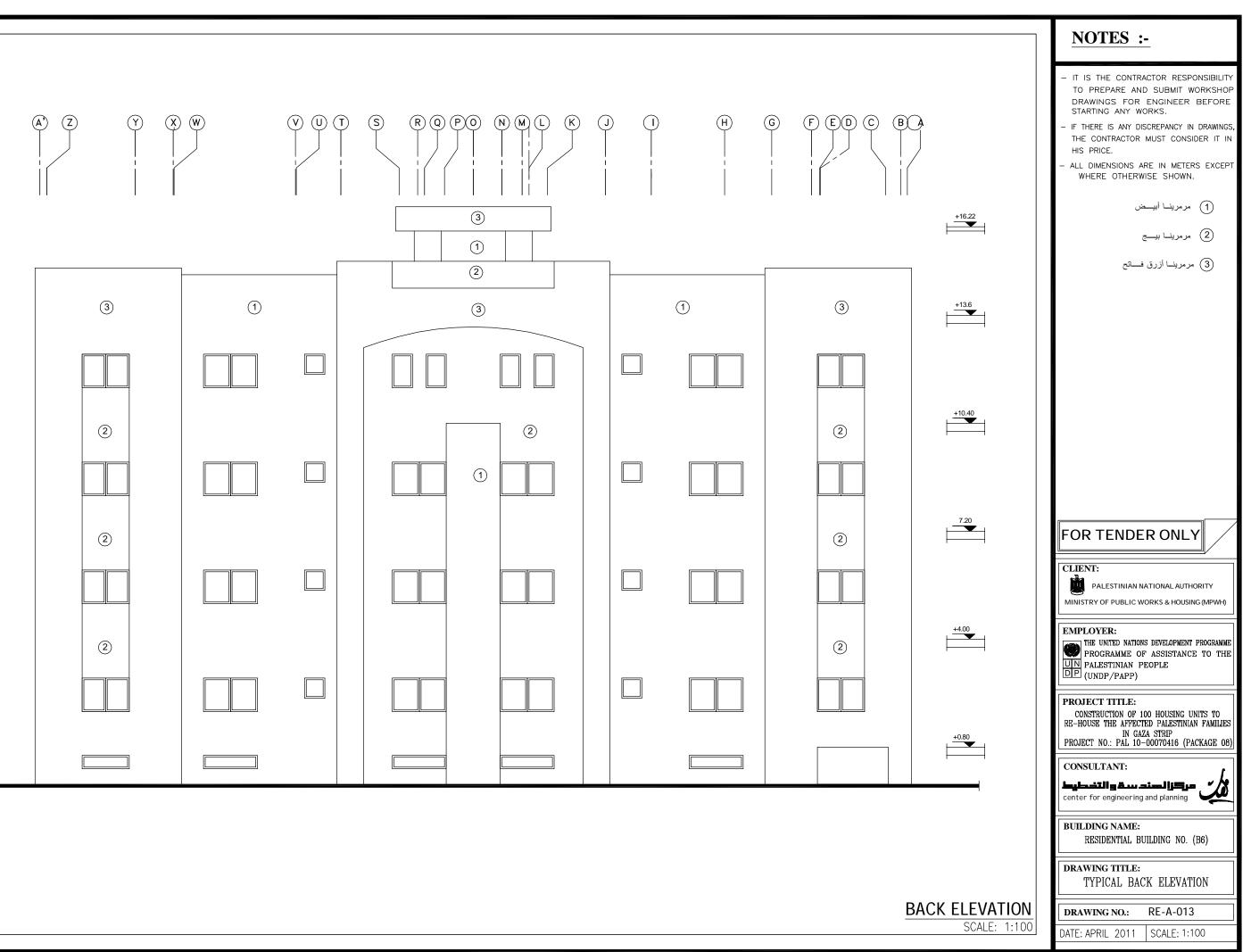


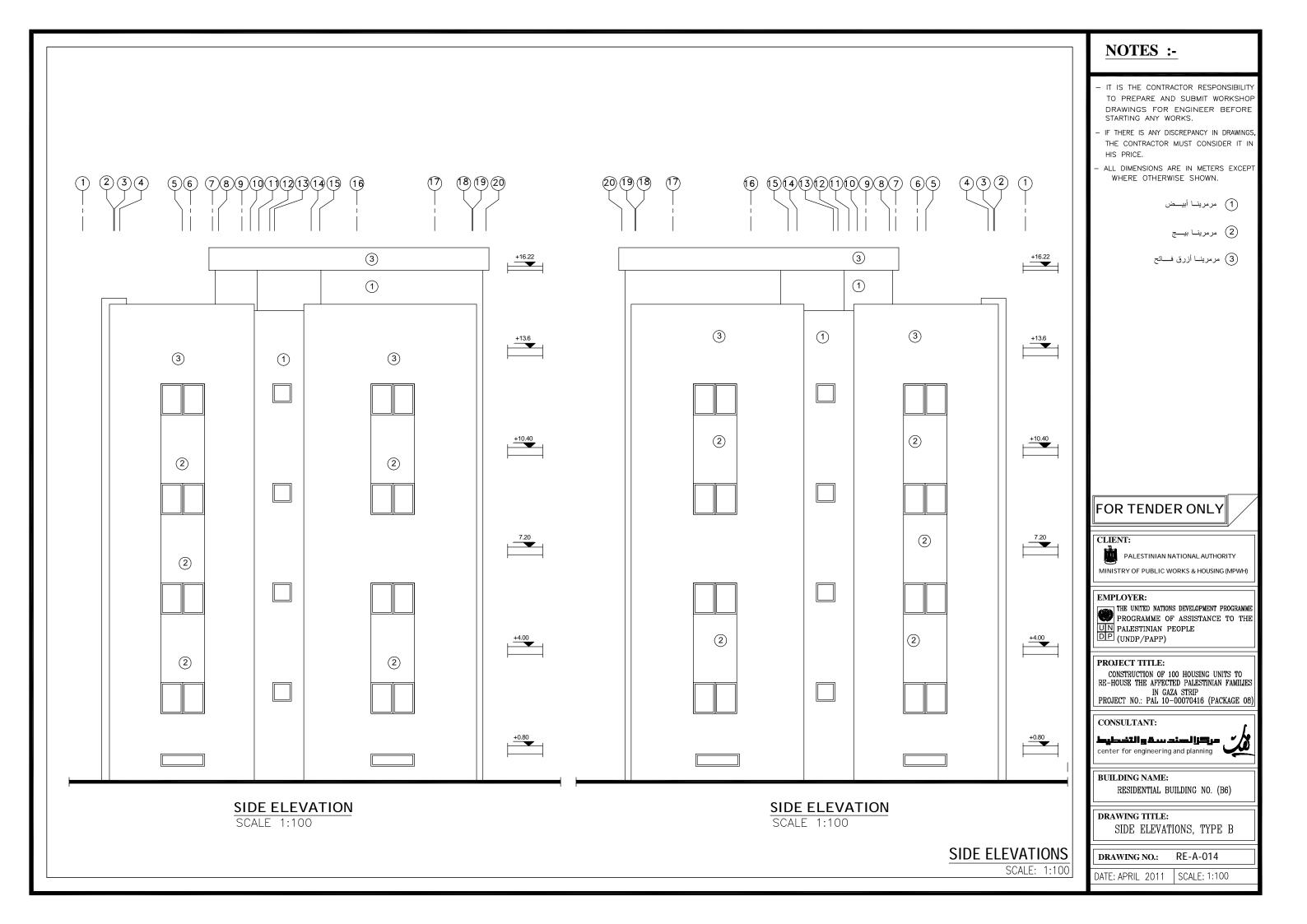






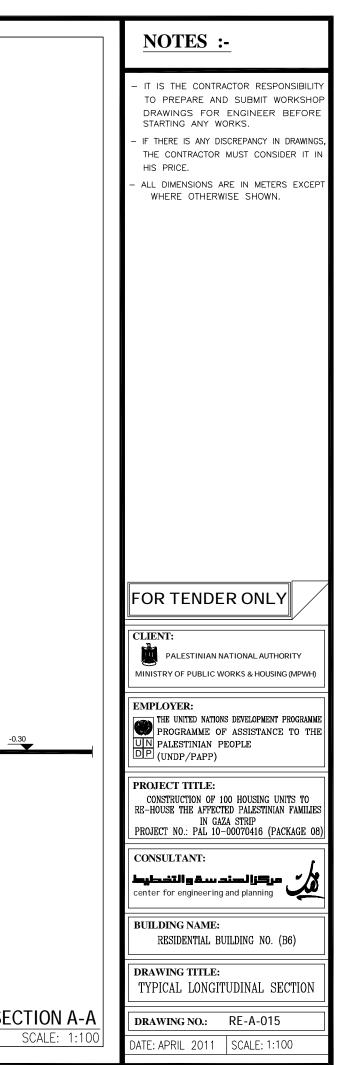


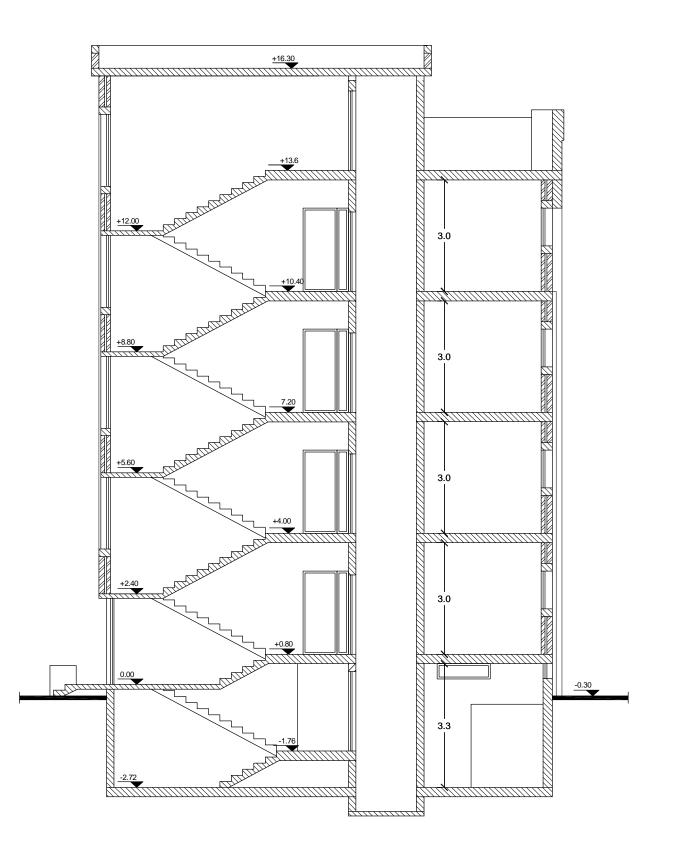


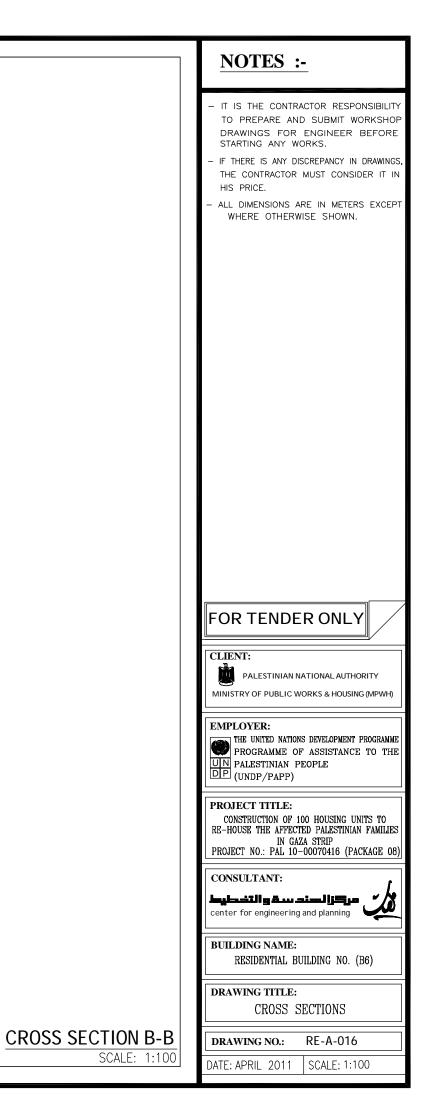




LONGITUDINAL SECTION A-A







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

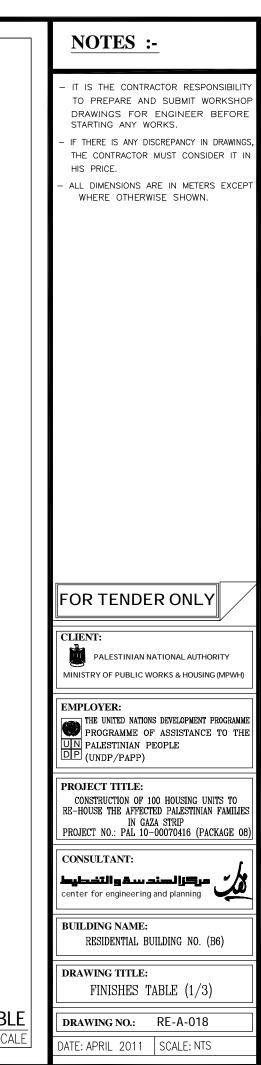
نظام الفتح وعده الغبلف	المادة	الانشافية	الفتحة
	93 (4) (الارتفاع	العرض
مفعلي ضلفتين	مديد	230	160
مفصلي ضلفتين	حديد	230	160
مفصلي ضلفتين	خشب	230	120
مفعبلي ضلفة واحدة	خشب	230	100
مفصلي ضلفة واحدة	خشب	230	90
مفصلي ضلفة واحدة	خشب	230	80
مفعبلي ضلفة واحدة	ھەيھ	230	80
مفصلي ضلفة واحدة	حديد	230	100
مفعبلي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

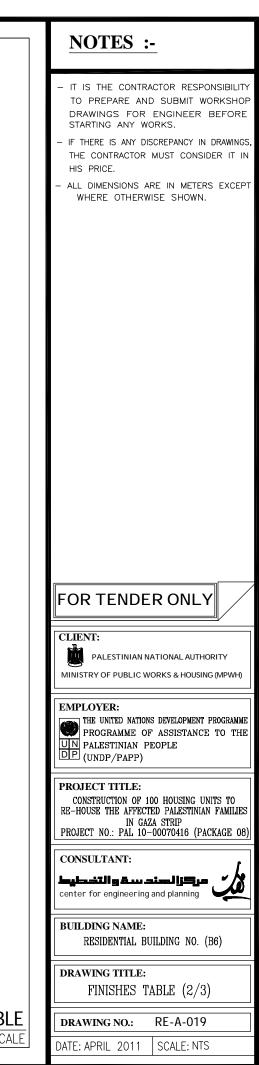
الادراج	دورات الصياه	الغرف الميكانيكية	المطبخ	المورعات	العيالة	ا لرقم	نوع التشطيب	البند
					•	1	بلاط کسر رخام	
	۲					2	بلاط کرا میکا	€) "
						3	رځام أو جرانيت	
۲		۲		•	٥	1	قصارة ودهان سوبركريل	Hangel I
	•		0			2	بلاط کرامیکا حتی السقف	
	٩				٩	1	قصارة ودهان بوليسيد	i dawa
					0	1	ڪسر رځام	
•			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



FINISHES TABLE SCALE: NOT TO SCALE

جدول التشطيبات الطابق الارضي

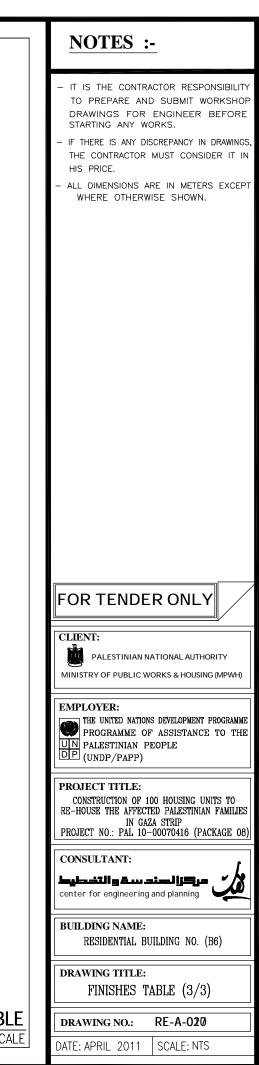
البلاكين	الافراج ت	دورات العياه	الحما ما ت	غرف النوم	الموزعات	المطابغ	صالات المدخل	غرف الصعيشة	غرف الفيوف	الرقم	نوع التشطيب	البنه
۲				٢	٢		٢	٥	٢		بلاط ڪسر رخام	Strand Contraction
		۲	۲			٩				2	بلاط کرا میکا	£) °*
	•									3	رخام أو جرانيت	
•	•			0			•	0	٩	1	قصارة ودهان سوبرڪريل	1213-1
		۲	۲			٩				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



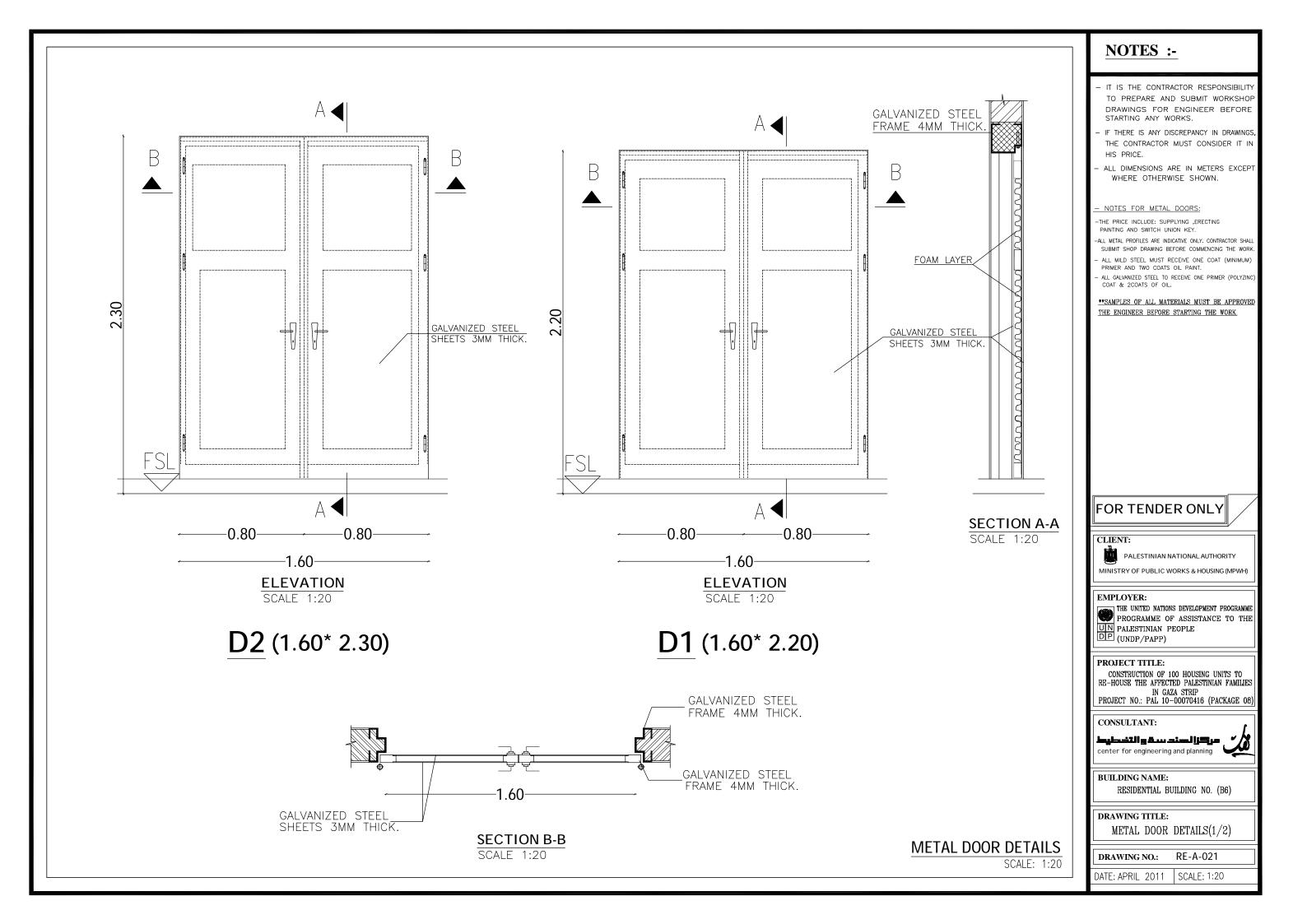
FINISHES TABLE SCALE: NOT TO SCALE

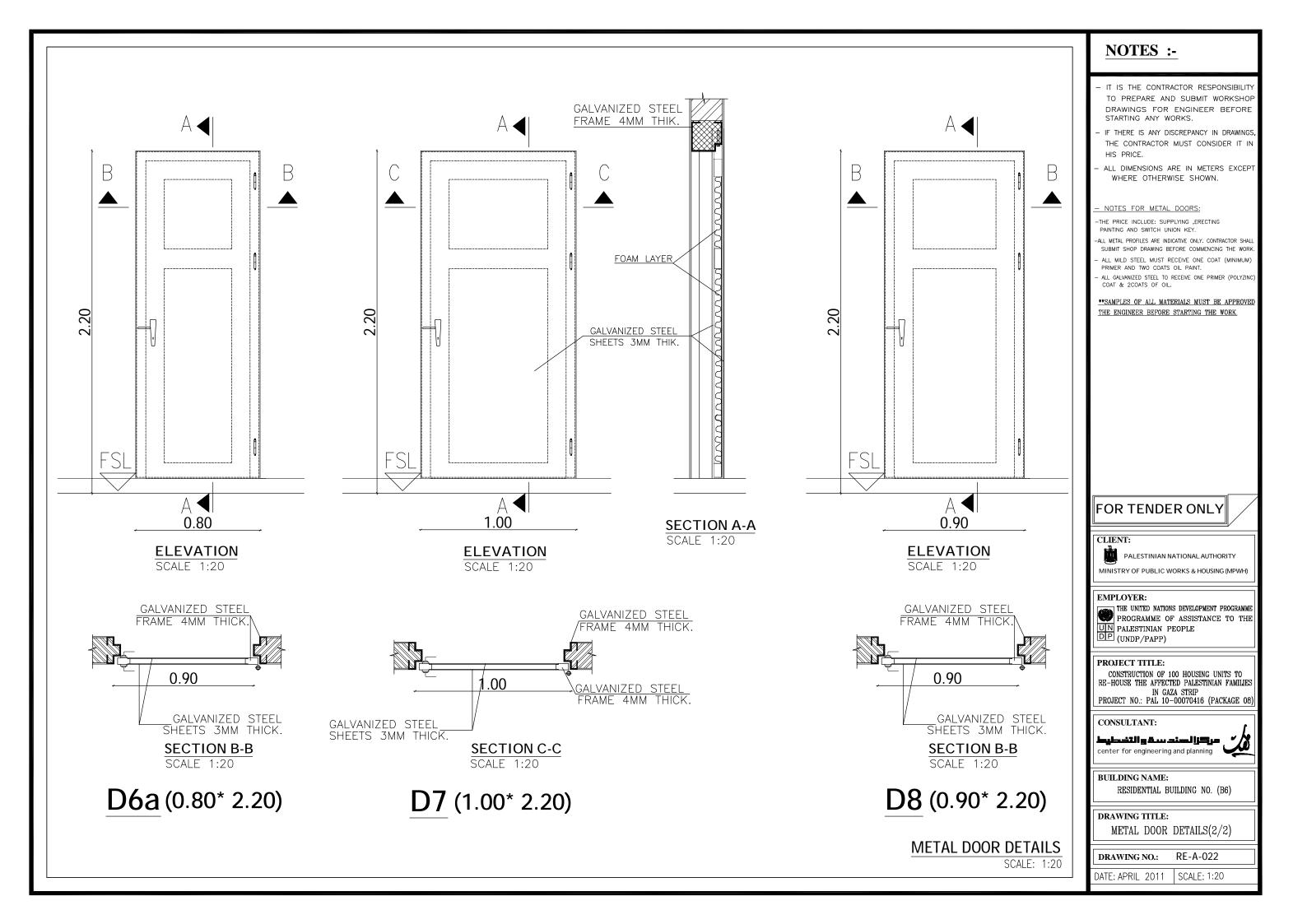
التشطيبا ت	چدول
ق المتكرر	į (b) (

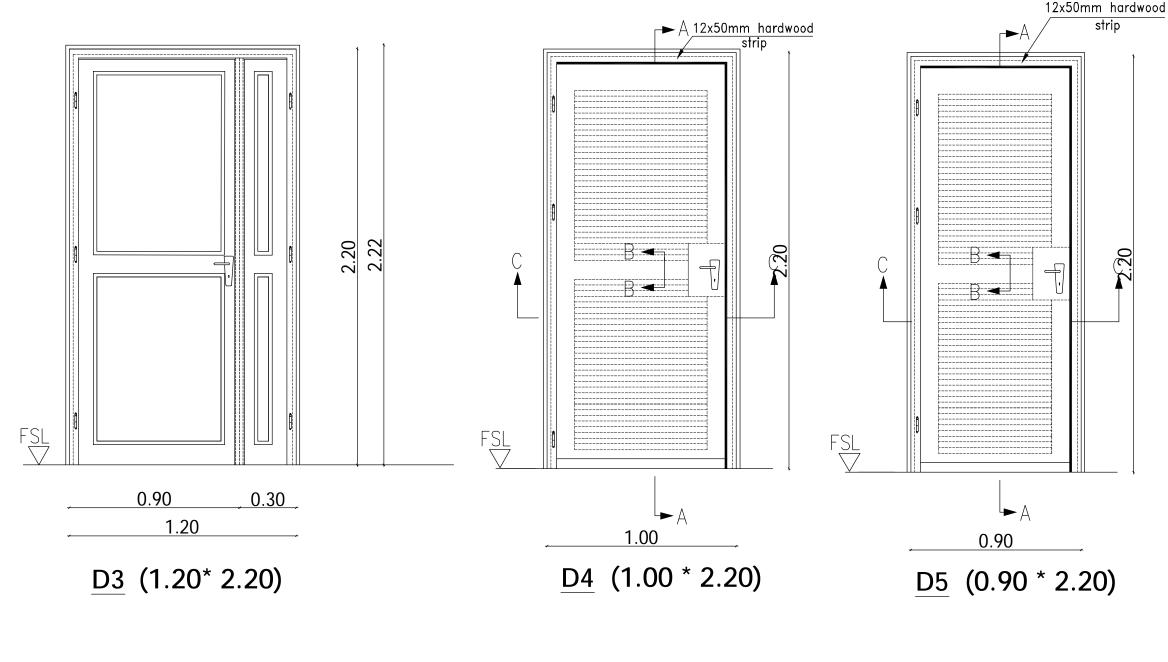
البلاكين	الادراج	دورات الصياه	الدمامات	غرف النوم	ا لمورْعا ت	المطابخ	مالات المدخل	غرف الصعيشة	غرف الفيوف	الرقح	نوع التشطيب	البند
۲				٩	•		٠	۲	٩	1	بلاط کسر رخام	
		۲	۲			۲				2	بلاط کرا میکا	€
	•									Ŋ	رځام أو جرانيت	
۲	۲			•	٢		•	•	۲	1	قصارة ودهان سوبرڪريل	
		۲	•			٢				2	بلاط كراميكا حتى السقف	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

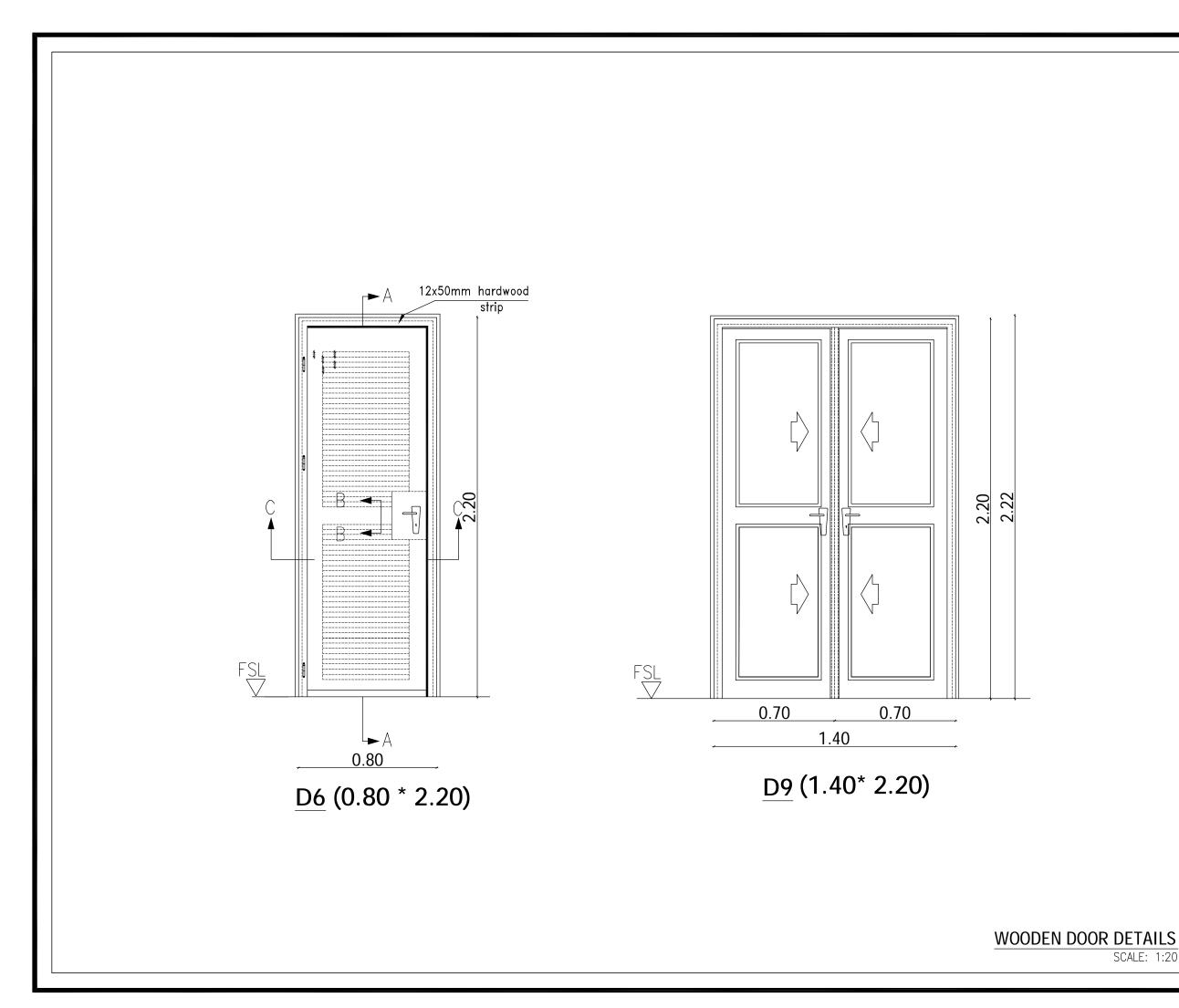


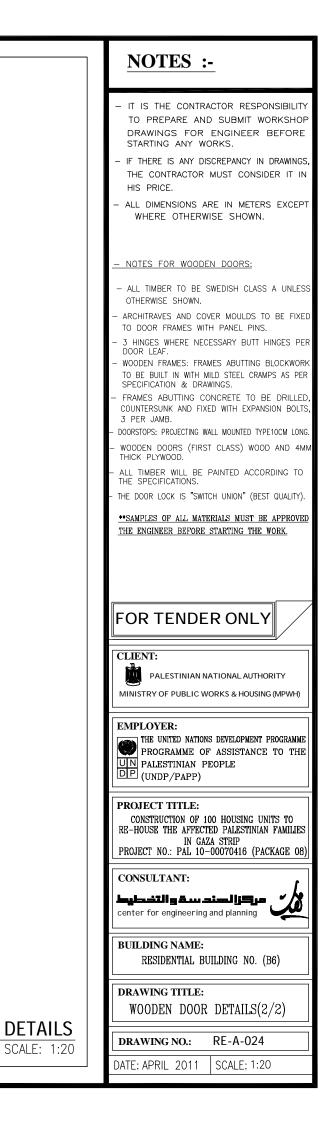


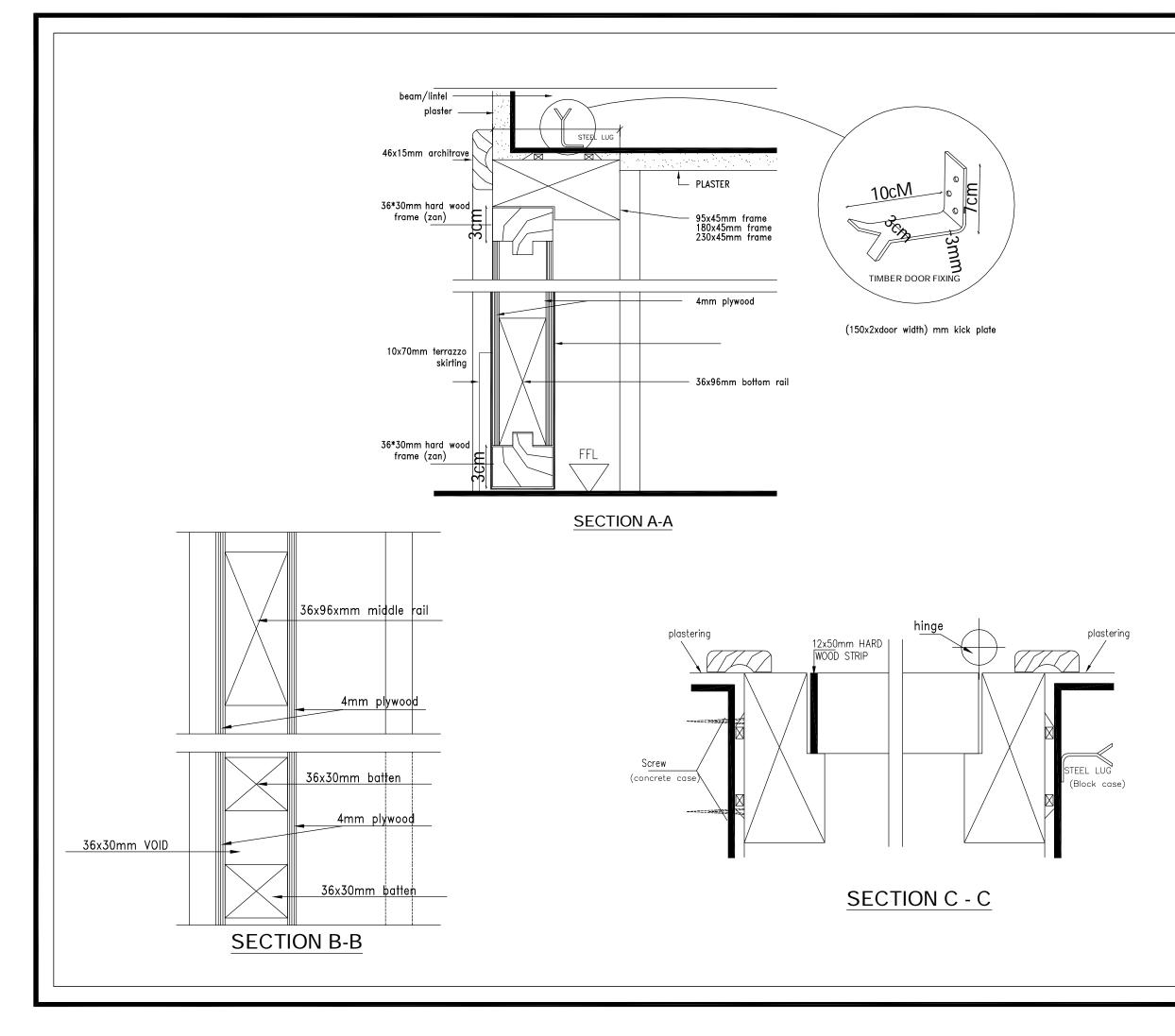


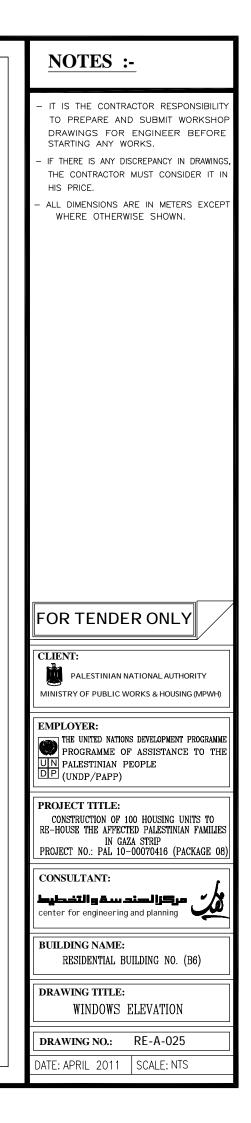
WOODEN DOOR DETAILS

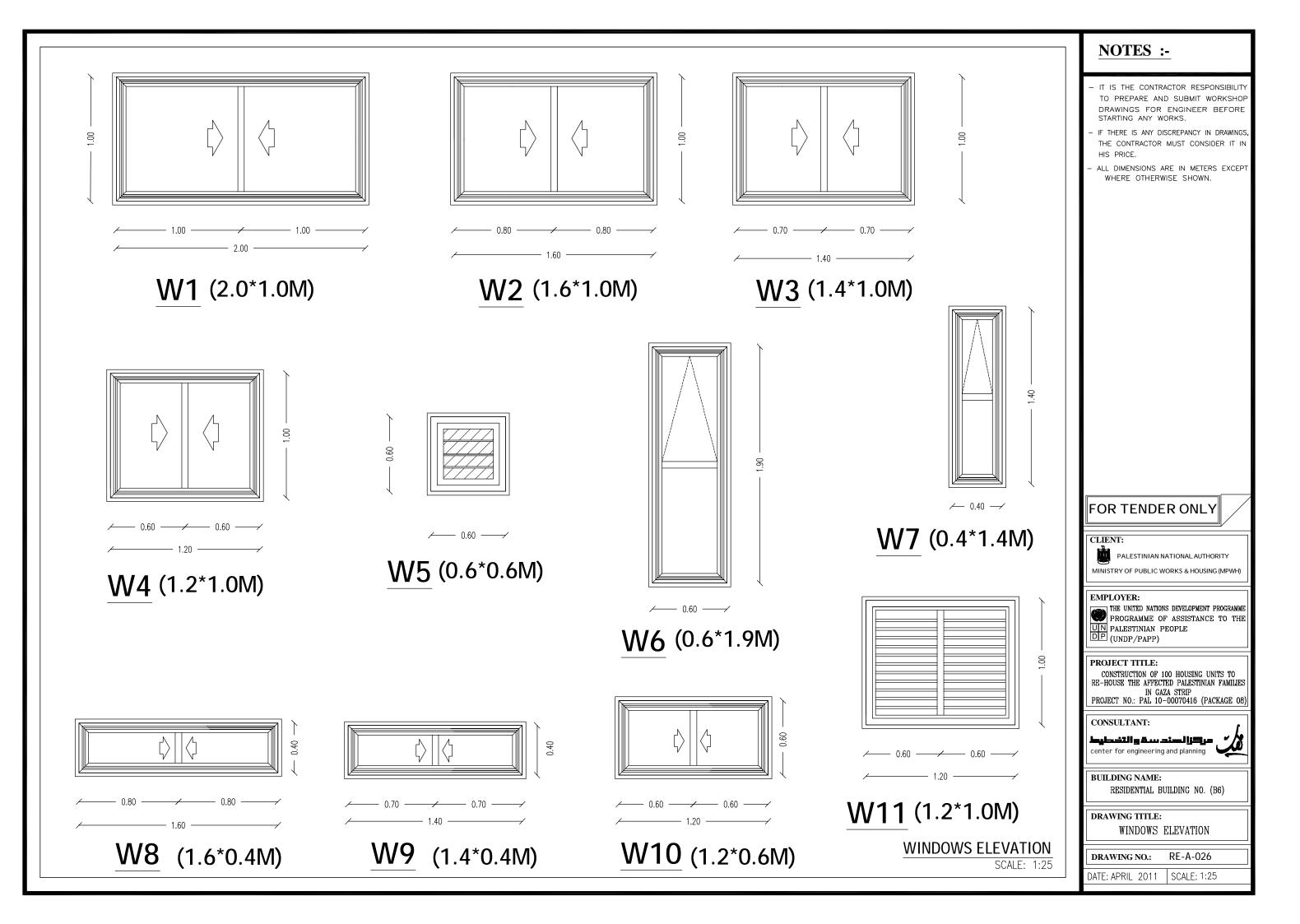
NOTES :-- IT IS THE CONTRACTOR RESPONSIBILITY TO PREPARE AND SUBMIT WORKSHOP DRAWINGS FOR ENGINEER BEFORE STARTING ANY WORKS. IF THERE IS ANY DISCREPANCY IN DRAWINGS THE CONTRACTOR MUST CONSIDER IT IN HIS PRICE. ALL DIMENSIONS ARE IN METERS EXCEPT WHERE OTHERWISE SHOWN. - NOTES FOR WOODEN DOORS: ALL 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

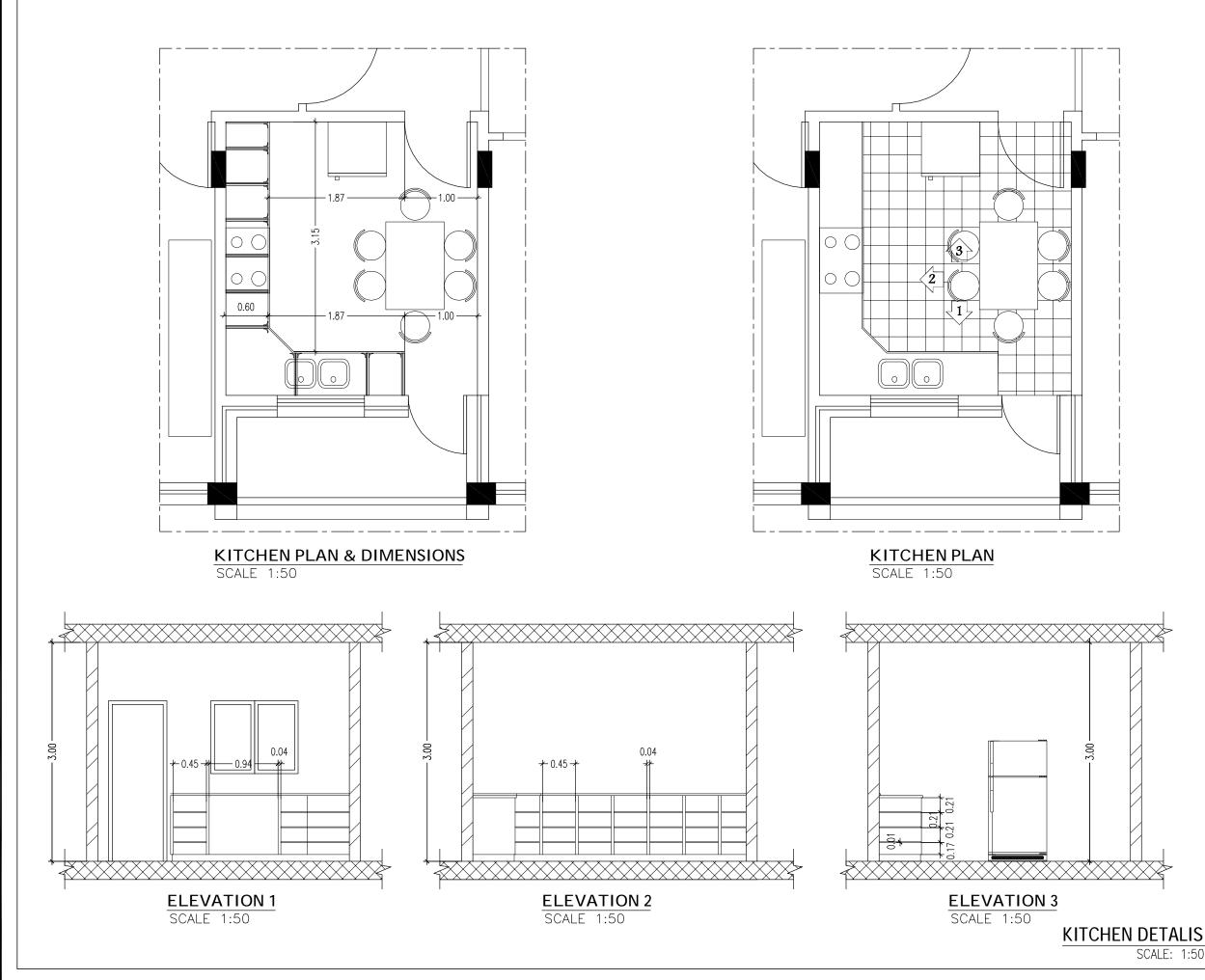


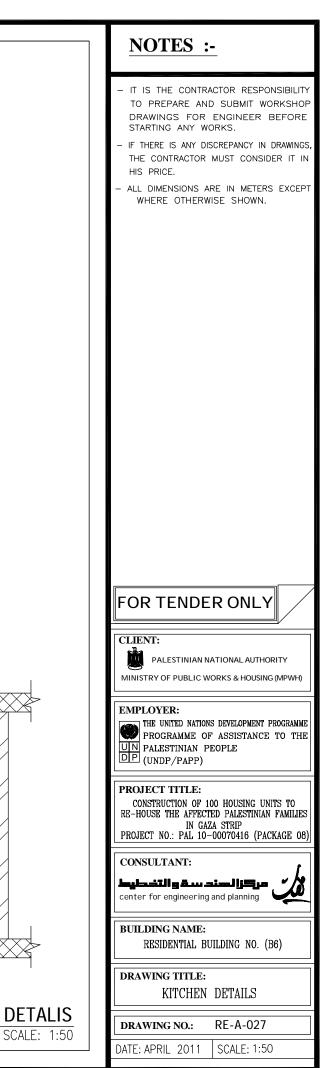


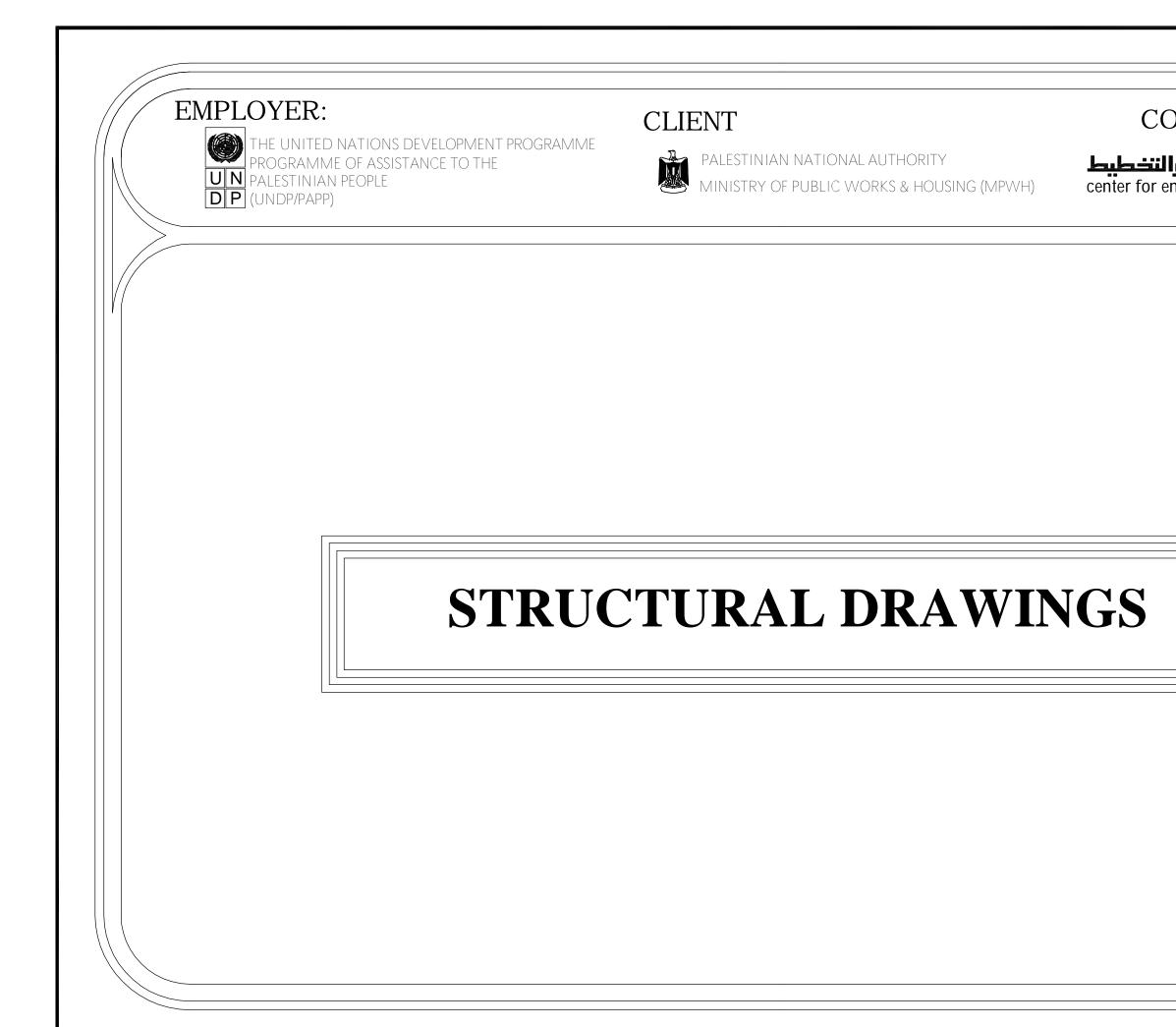














EMPLOYER:

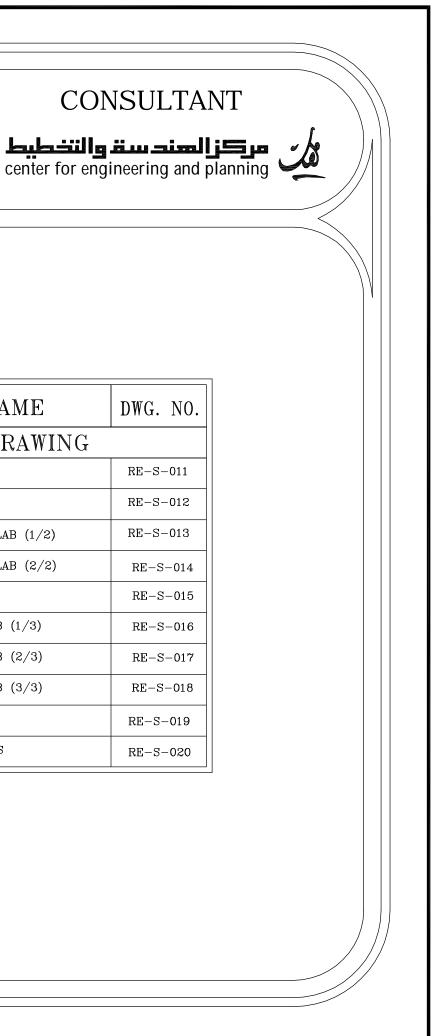


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE DP (UNDP/PAPP)

CLIENT



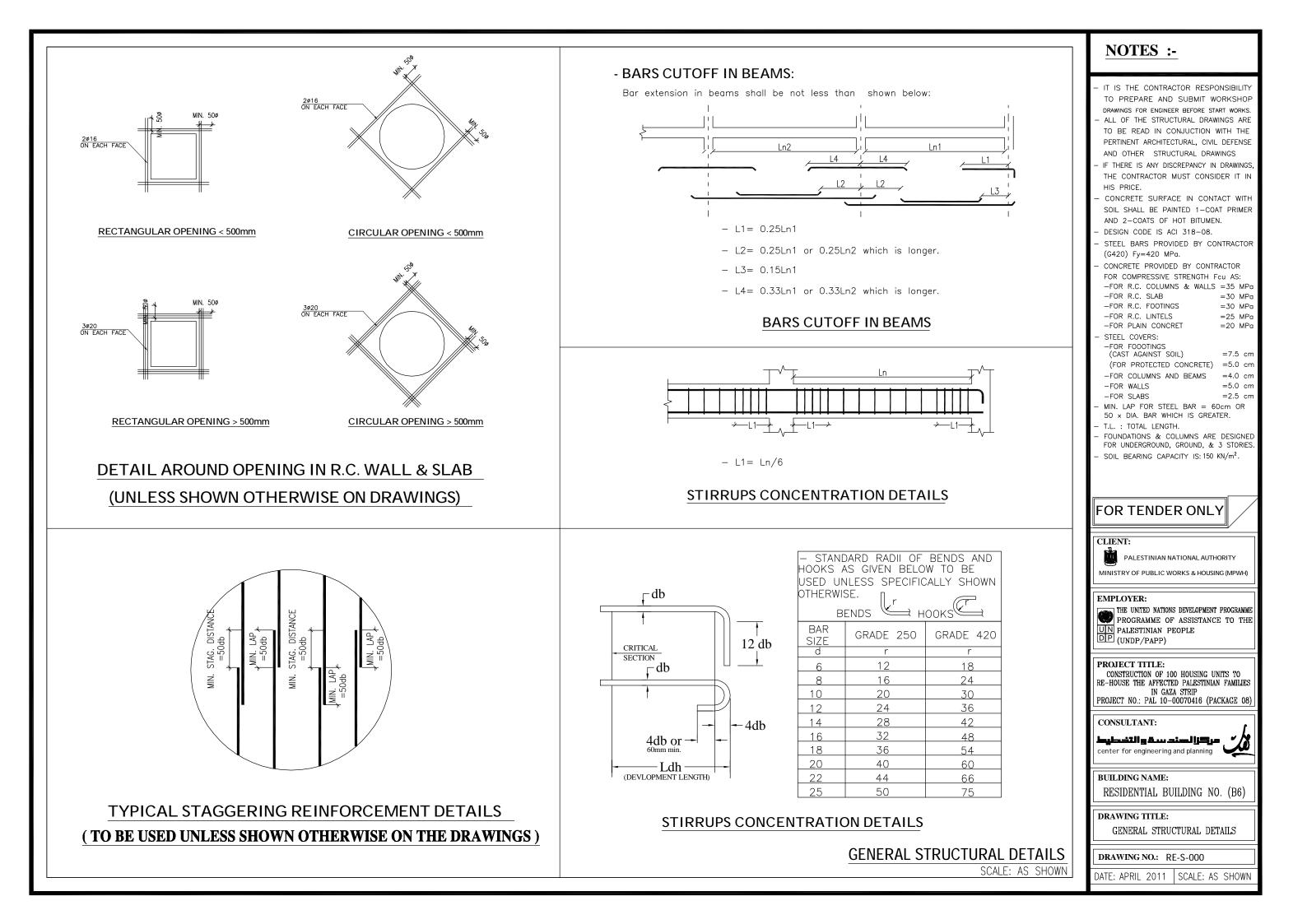
PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSI MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

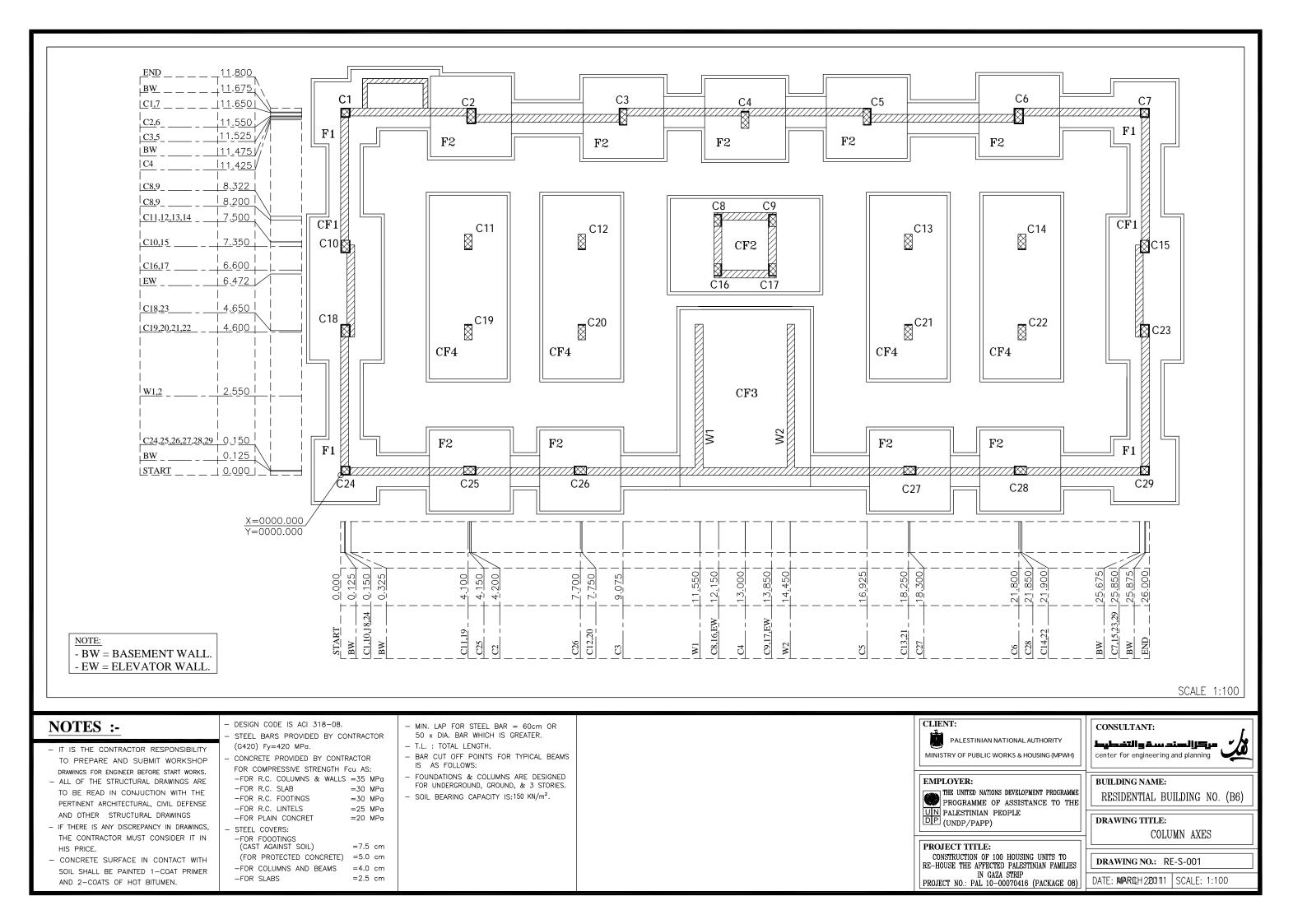


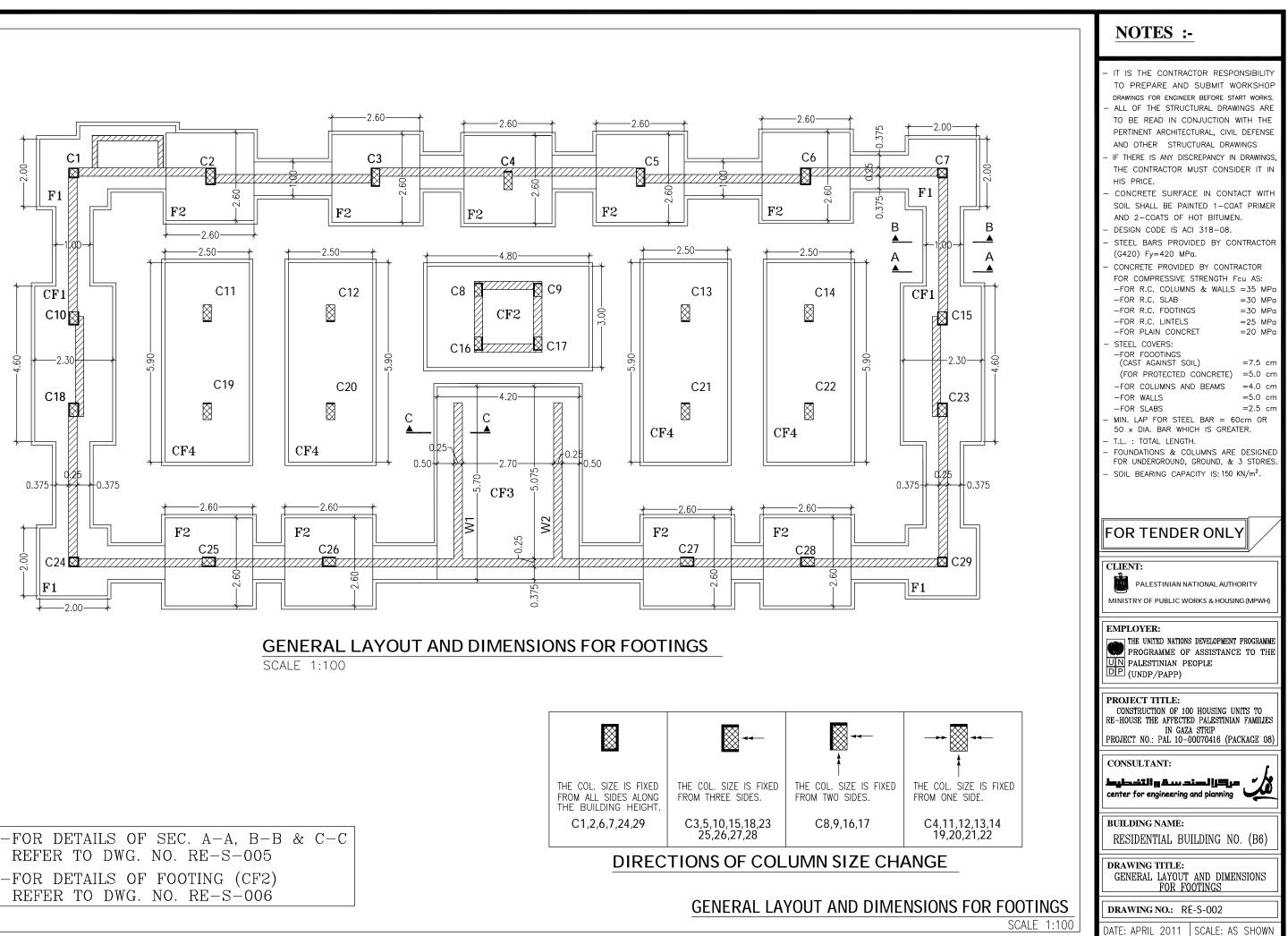
LIST OF DRAWINGS

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



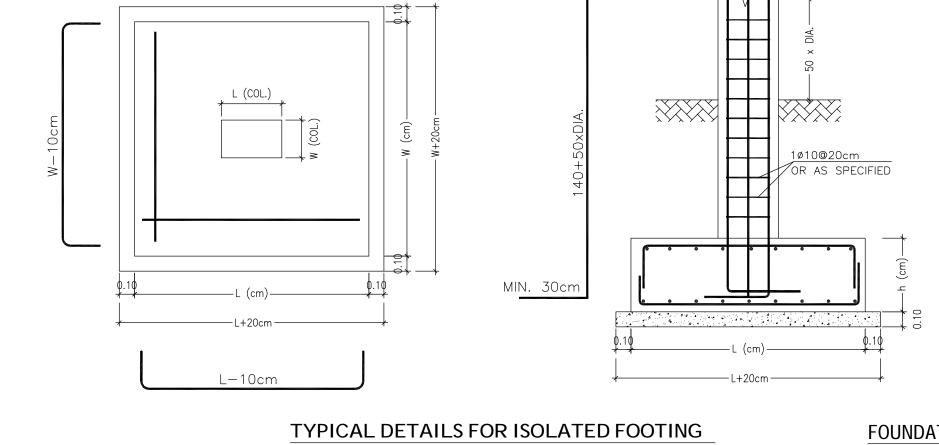




-FOR DETAILS OF SEC. A-A, B-B	&	C - C
REFER TO DWG. NO. RE-S-005		
-FOR DETAILS OF FOOTING (CF2)		
REFER TO DWG. NO. RE-S-006		

Table of	Footings	(ISOLATED)
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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)

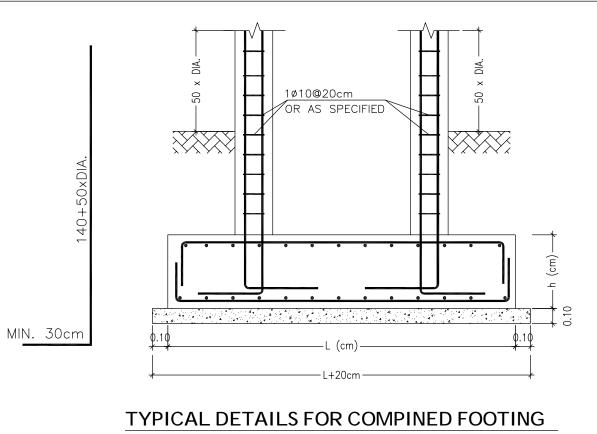
SCALE: AS SHOWN

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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)

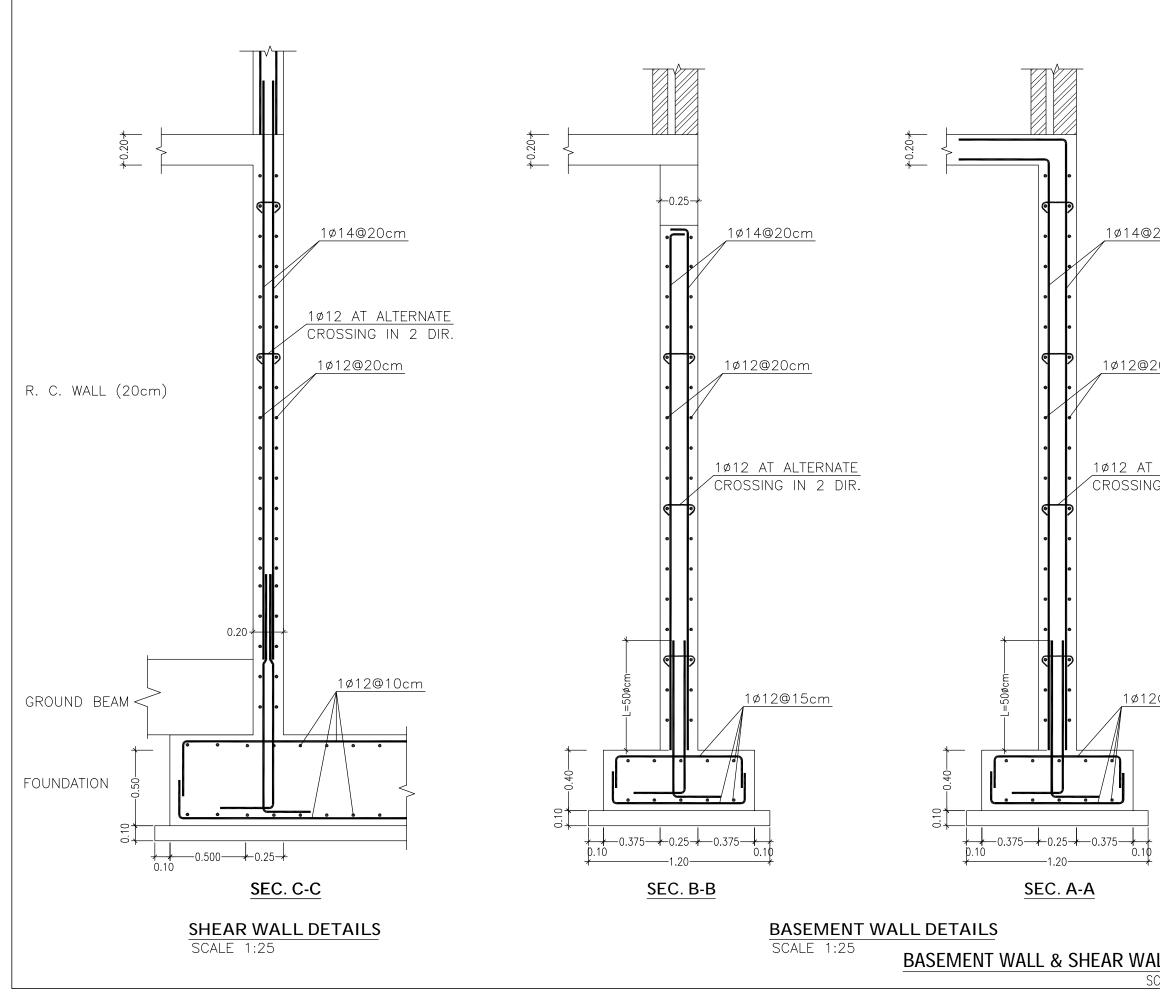
Footing		tal	Foot	ings	size	F	Reinforce	ment
FOOT. NO.	COL. NO.	Total	L(cm)	W(cm)	h(cm)	LONG DIR. (TOP & BOT.)	SHORT DIR. (TOP & BOT.)	Shape
CF1	10,15,18,23	2	460	230	40	1ø12@15cm	1ø12@15cm	20 BOT. L OR W-10cm
CF2	8,9,16,17	1	480	300	30	1ø12@20cm	1ø12@20cm	TOP 15 BOT. L OR W-10cm
CF3	W1,W2	1	570	420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



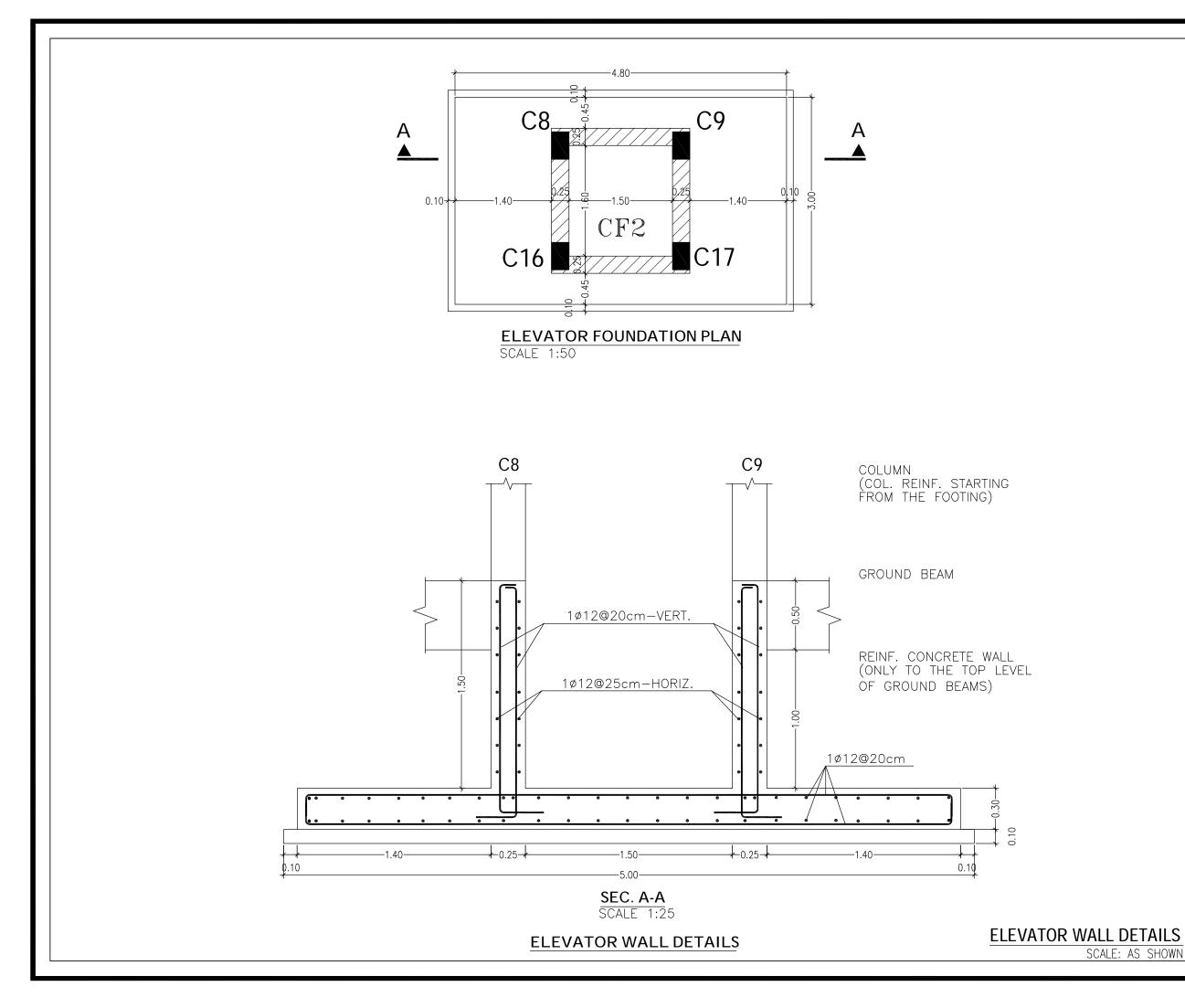
NOTES :-

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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
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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: Lyb-110 &
	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 (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 Bau signification 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: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 10-00070416 (PACKAGE 08) CONSULTANT: Labertill & Automic Stripper center for engineering and planning ENDIDING NAME: RESIDENTIAL BUILDING NO. (B6) DRAWING TITLE:





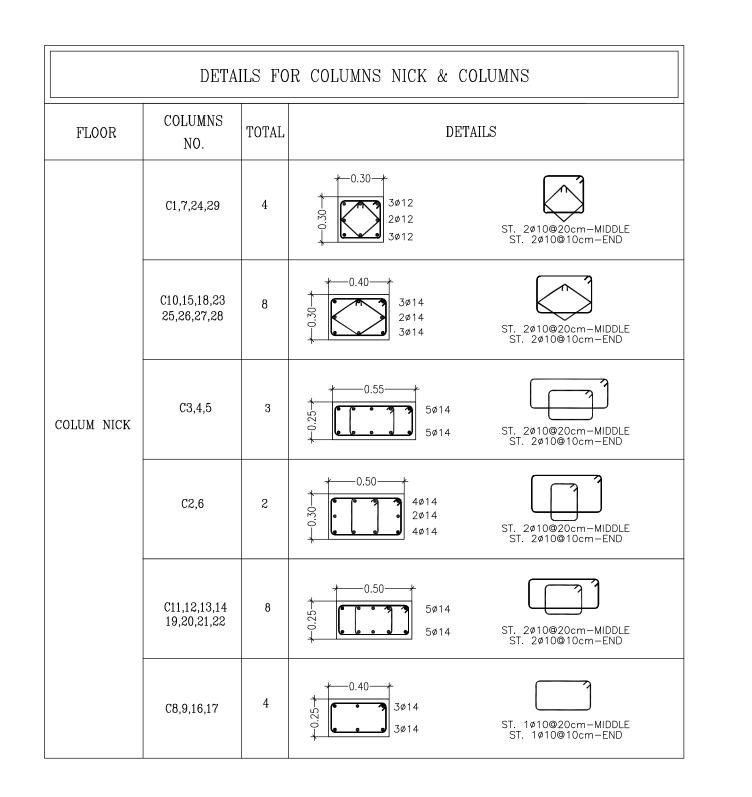
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<u>20cm</u>	 STEEL BARS PROVIDED BY CONTRACTOR (G420) Fy=420 MPa. CONCRETE PROVIDED BY CONTRACTOR FOR COMPRESSIVE STRENGTH Fcu AS: -FOR R.C. COLUMNS & WALLS =35 MPa
<u>!0cm</u>	-FOR R.C. SLAB =30 MPa -FOR R.C. FOOTINGS =30 MPa -FOR R.C. LINTELS =25 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

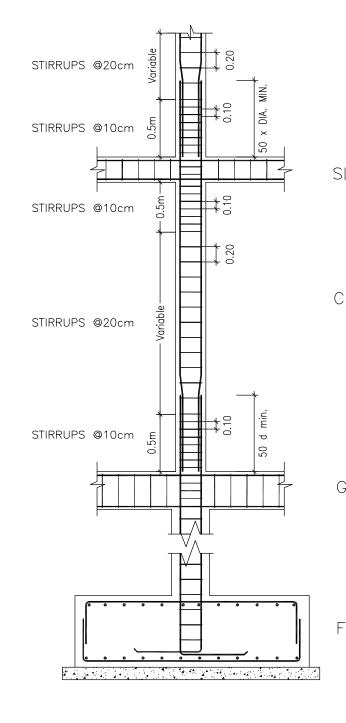


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	FOR TENDER ONLY
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	CLIENT: PALESTINIAN NATIONAL AUTHORITY
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	CONSULTANT:
	CUIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (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

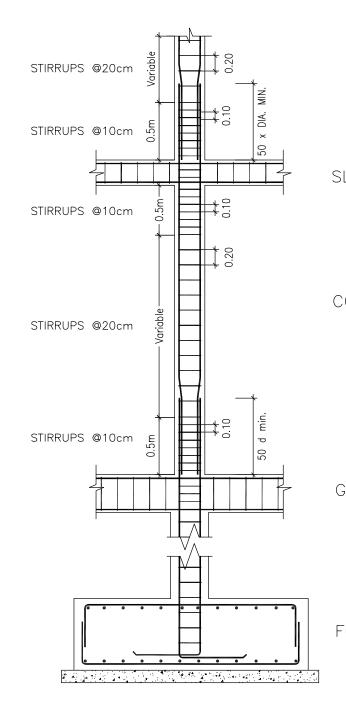
NOT TO SCALE

COLUMNS DE

SC

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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			



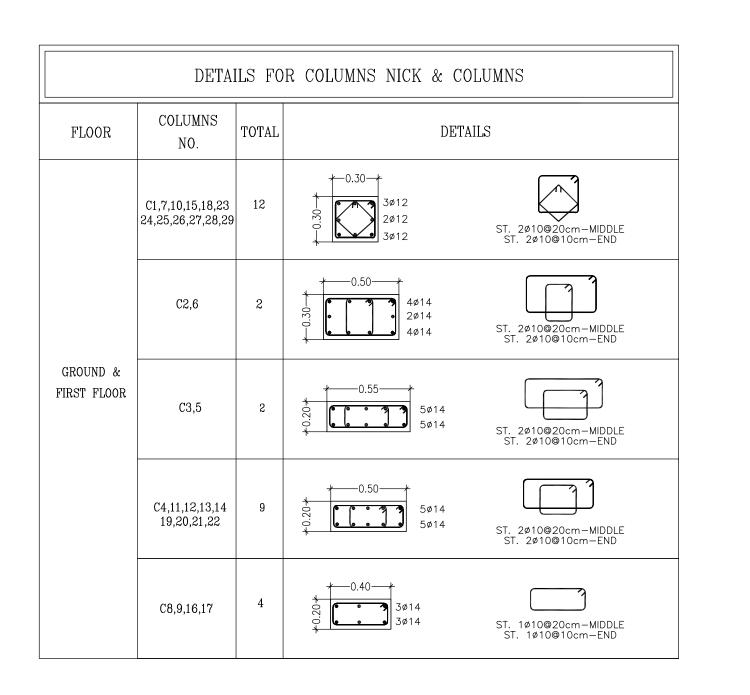
TYPICAL DETAILS FOR COLUMN STIRRUP SPACING

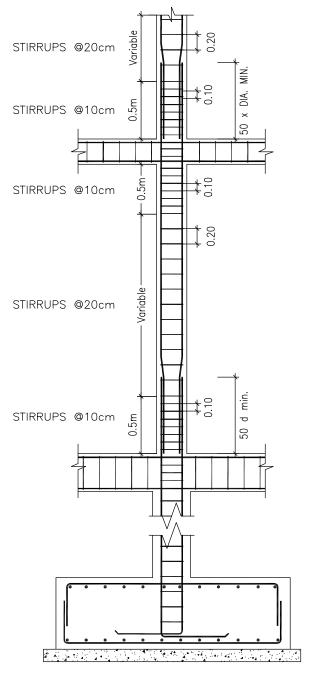
NOT TO SCALE

COLUMNS DE

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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.
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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

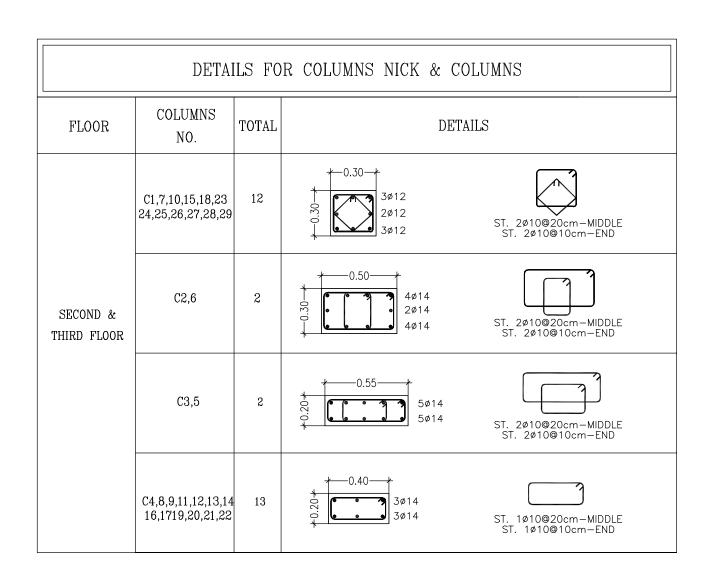


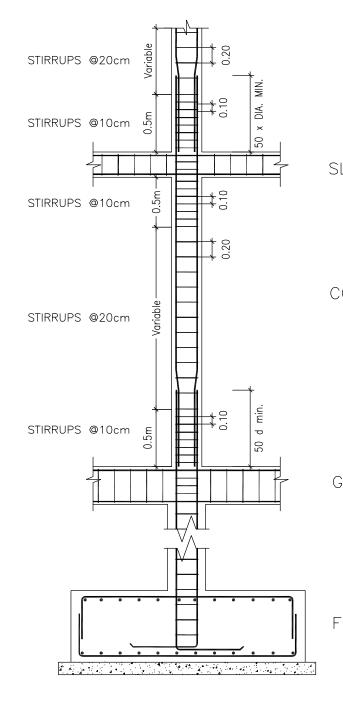


TYPICAL DETAILS FOR COLUMN STIRRUP SPACING NOT TO SCALE

COLUMNS DE

	NOTES :-
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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

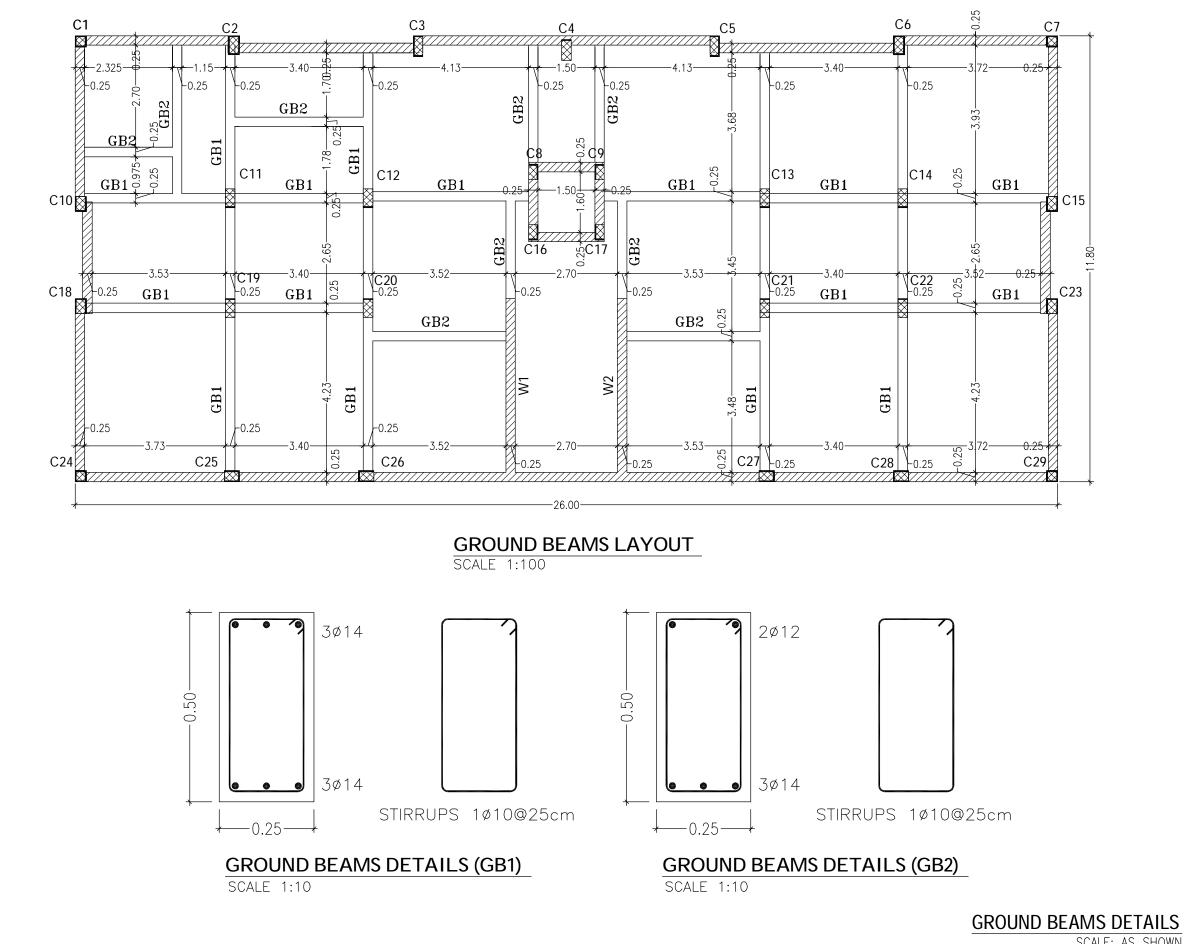




TYPICAL DETAILS FORCOLUMN STIRRUP SPACINGNOT TO SCALE

COLUMNS DE

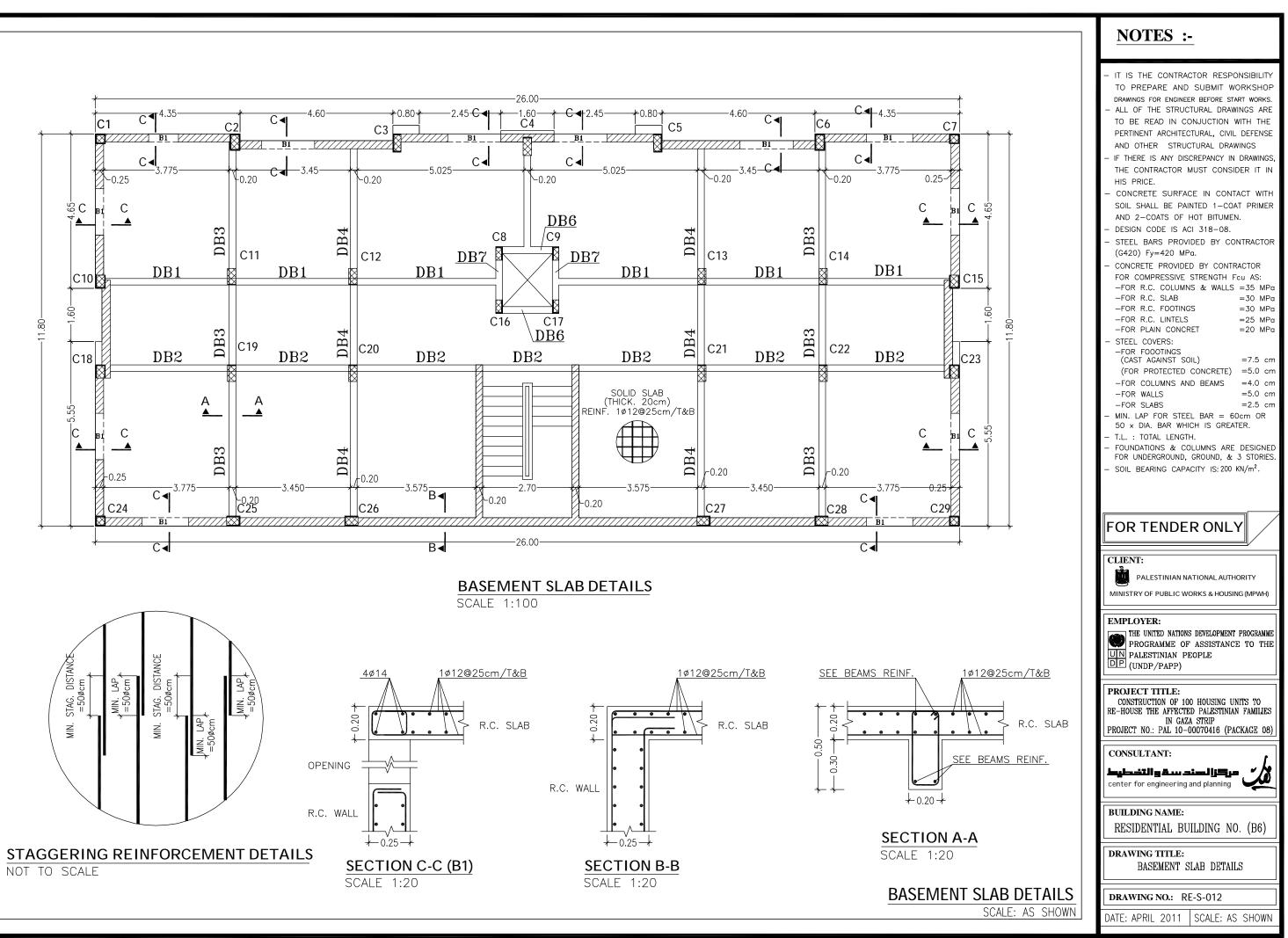
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OUND.	EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE UNDP/PAPP)
	PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP PROJECT NO.: PAL 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

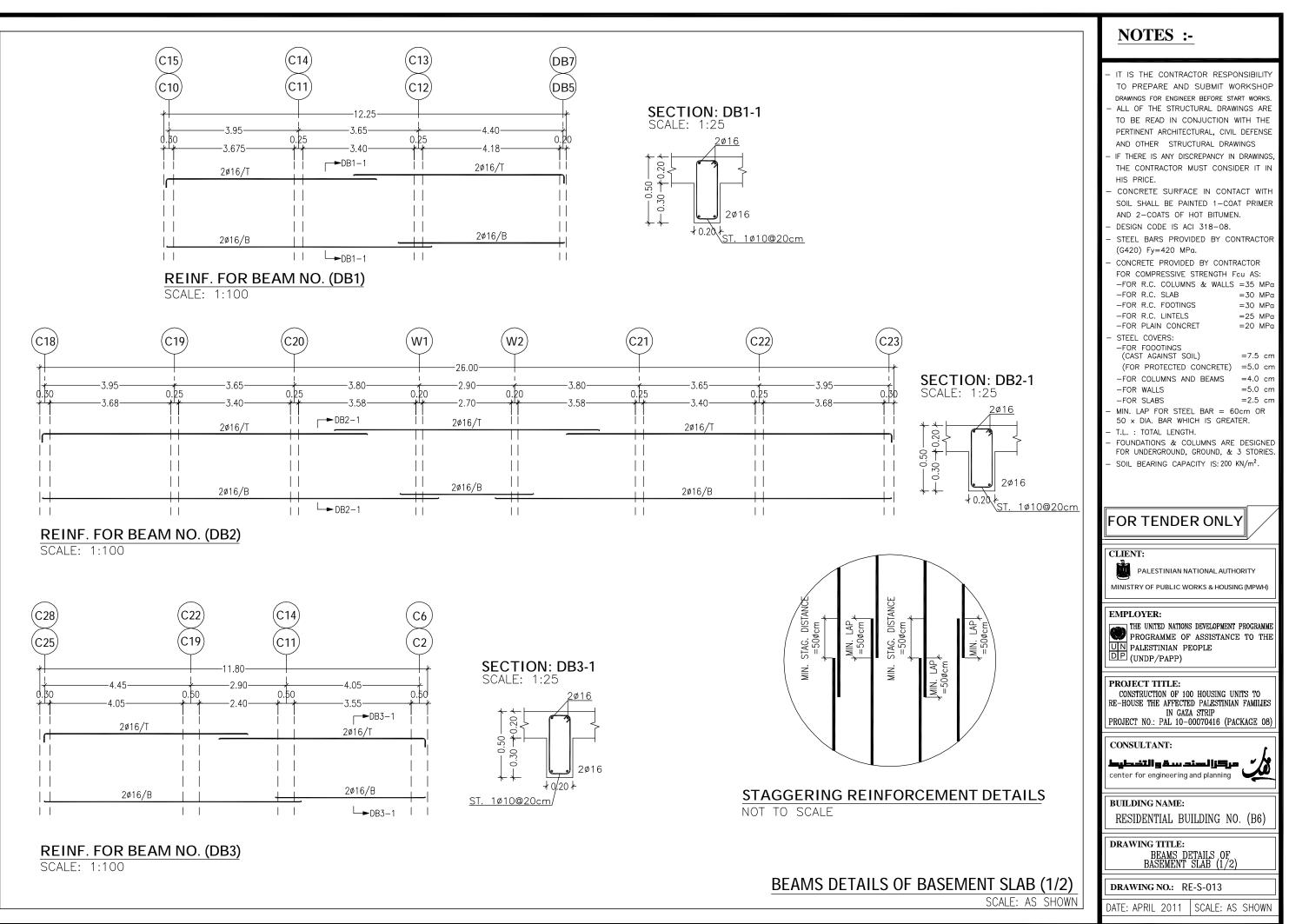


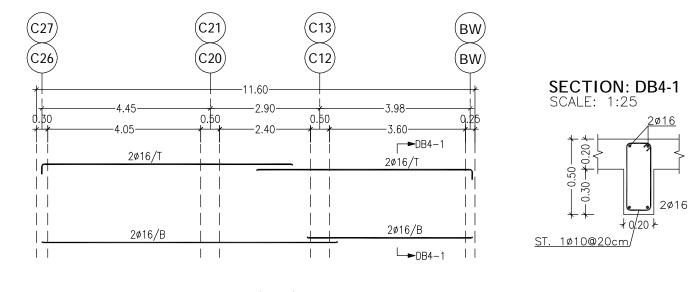
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CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE
CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE 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
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: Lage=110 g a.u. =100 [15], a
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
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 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: LLL-LIB B

SCALE: AS SHOWN







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

BEAMS	REL	NFORCE	MENT	TABLE
	FOR	GROUND	SLAB	

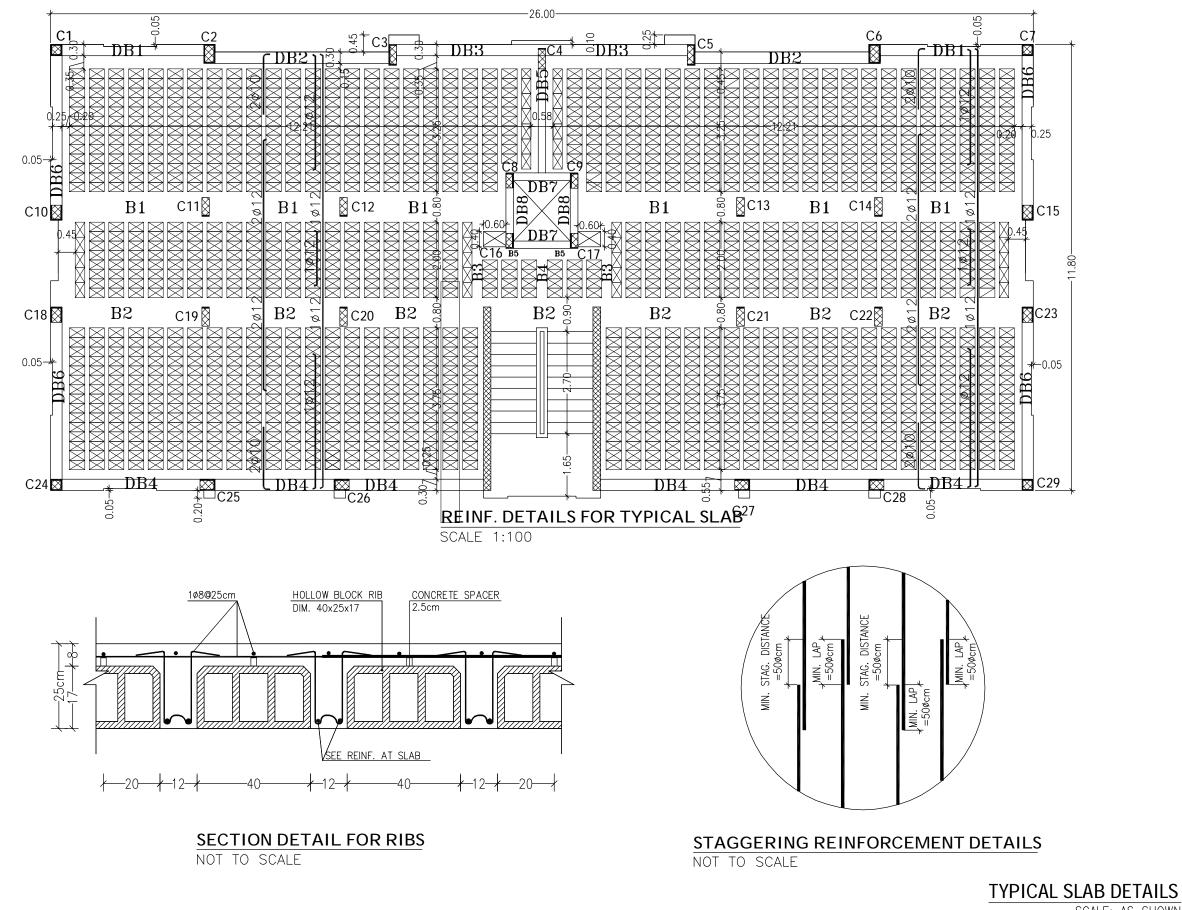
NO.	DIM		воттом	TOP	STIRRUPS
	<i>W</i> .	Н.	REINF.	REINF.	
DB5	20	50	2ø16	2ø16	1ø10/20cm
DB6	20	50	2ø16	2ø16	1ø10/20cm
DB7	20	50	2ø16	2ø16	1ø10/20cm

BEAMS DETAILS OF BASEMENT SLAB (2/2

NOTES .

	NOILS
	 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
	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 UN PALESTINIAN PEOPLE UN PALESTINIAN PEOPLE (UNDP/PAPP) PROJECT TITLE: CONSTRUCTION OF 100 HOUSING UNITS TO RE-HOUSE THE AFFECTED PALESTINIAN FAMILIES IN GAZA STRIP
	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

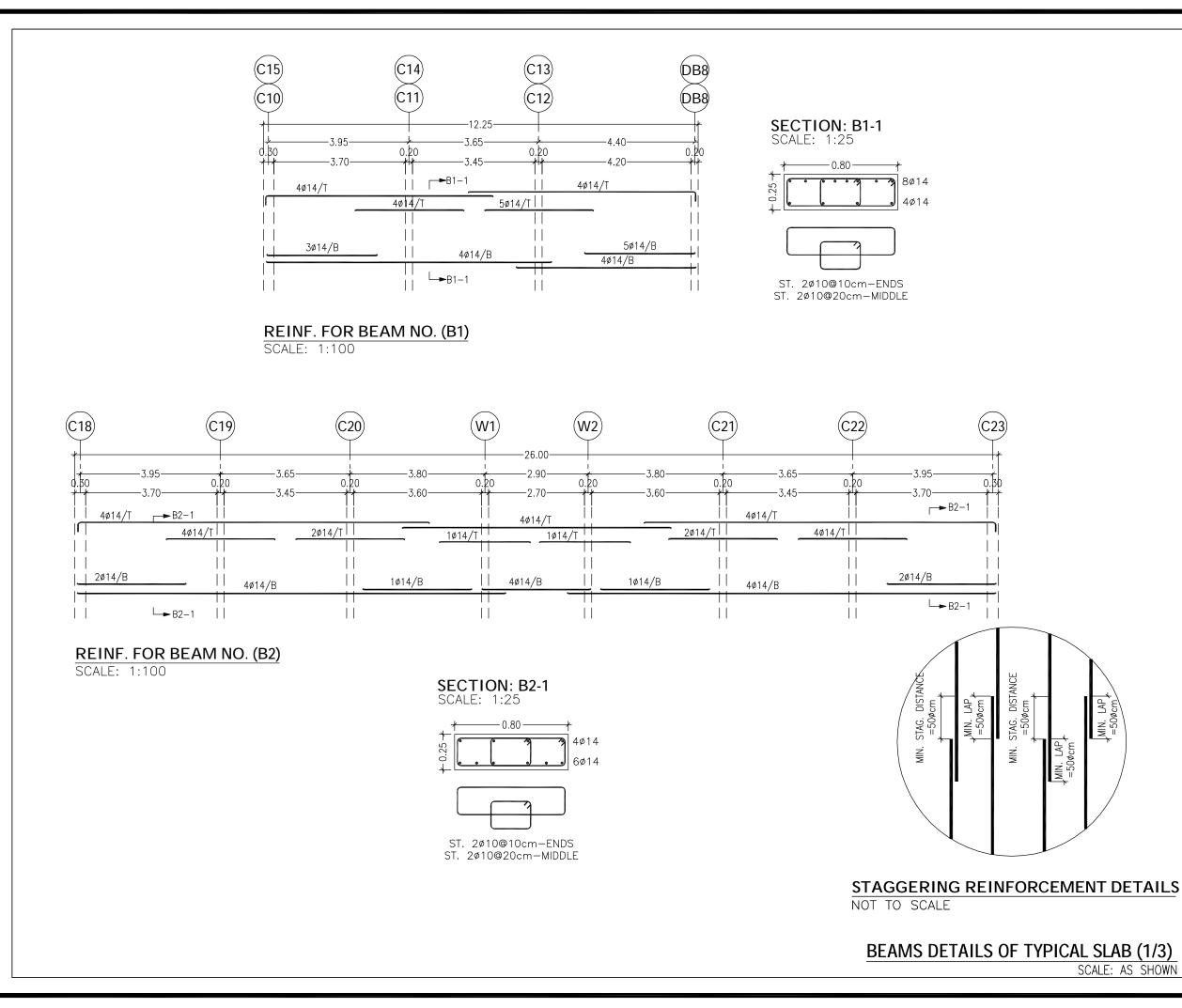
SCALE: AS SHO



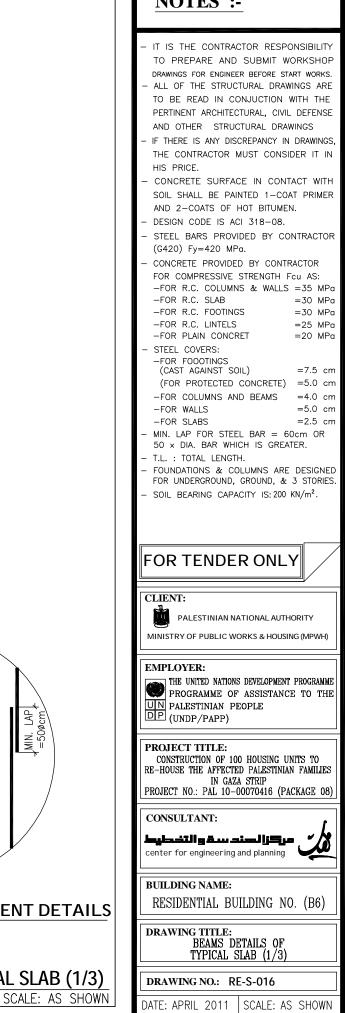
NOTES :-

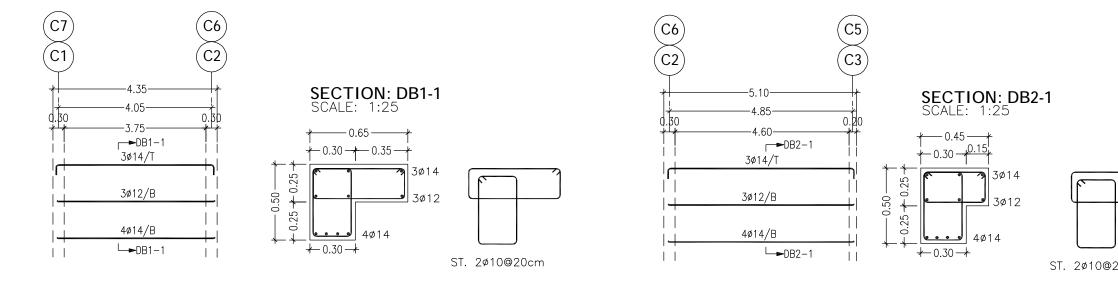
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FOR TENDER ONLY
CLIENT: PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSING (MPWH) EMPLOYER: THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PROGRAMME OF ASSISTANCE TO THE UN PALESTINIAN PEOPLE UN PALESTINIAN PEOPLE (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
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
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) 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: Lyb-iTIBB&imljsg.m
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
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: LIDE-III B B LUIDING NO. (B6) DRAWING TITLE:

SCALE: AS SHOWN



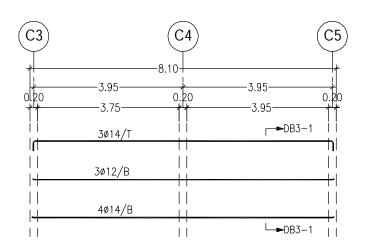
NOTES :-

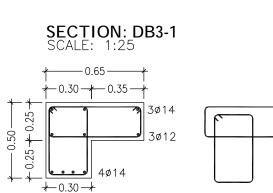




REINF. FOR BEAM NO. (DB1)

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*-+*

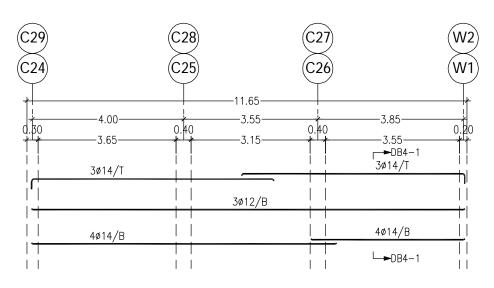
0.25

- 0.50 -- 0.25 + 0

+ +

REINF. FOR BEAM NO. (DB3)

SCALE: 1:100



REINF. FOR BEAM NO. (DB4)

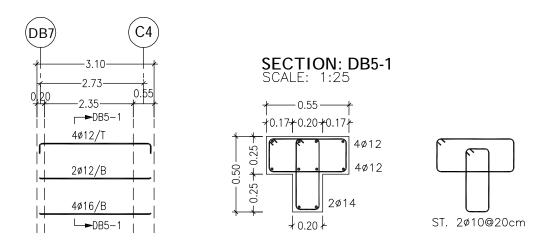
SCALE: 1:100

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

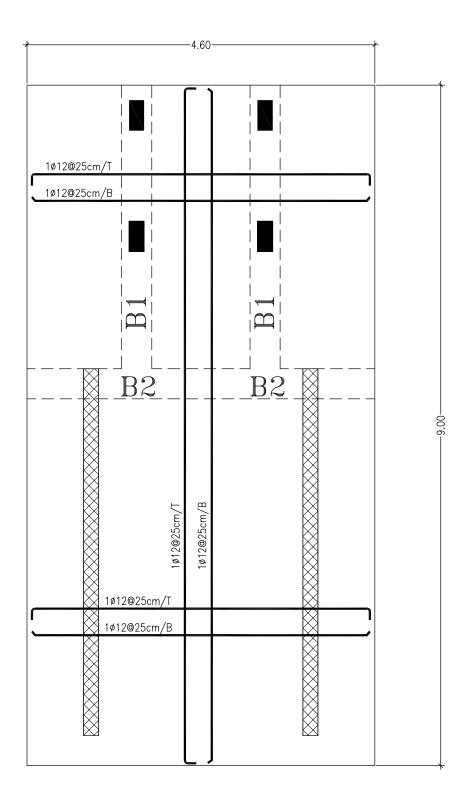
BEAMS REINFORCEMENT TABLE FOR TYPICAL SLAB

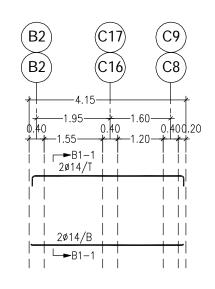
NO.	DIM		воттом	TOP	STIRRUPS
	<i>W</i> .	Н.	REINF.	REINF.	
DB6	30	50	4ø16	2ø12	1ø10/20cm
DB7	20	40	2ø14	2ø12	1ø10/20cm
DB8	20	40	2ø14	2ø12	1ø10/20cm
<i>B3</i>	25	25	2ø12	2ø12	1ø10/20cm
<i>B4</i>	25	25	2ø12	2ø12	1ø10/20cm
<i>B5</i>	30	25	2ø14	2ø12	1ø10/20cm

NOTEC

	<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 - ★

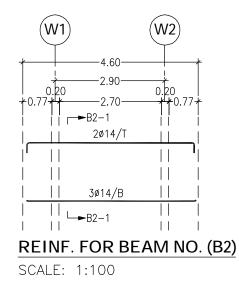
7 2ø14 2ø14

SCALE: 1:25

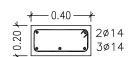
0.20

REINF. FOR BEAM NO. (B1)

SCALE: 1:100







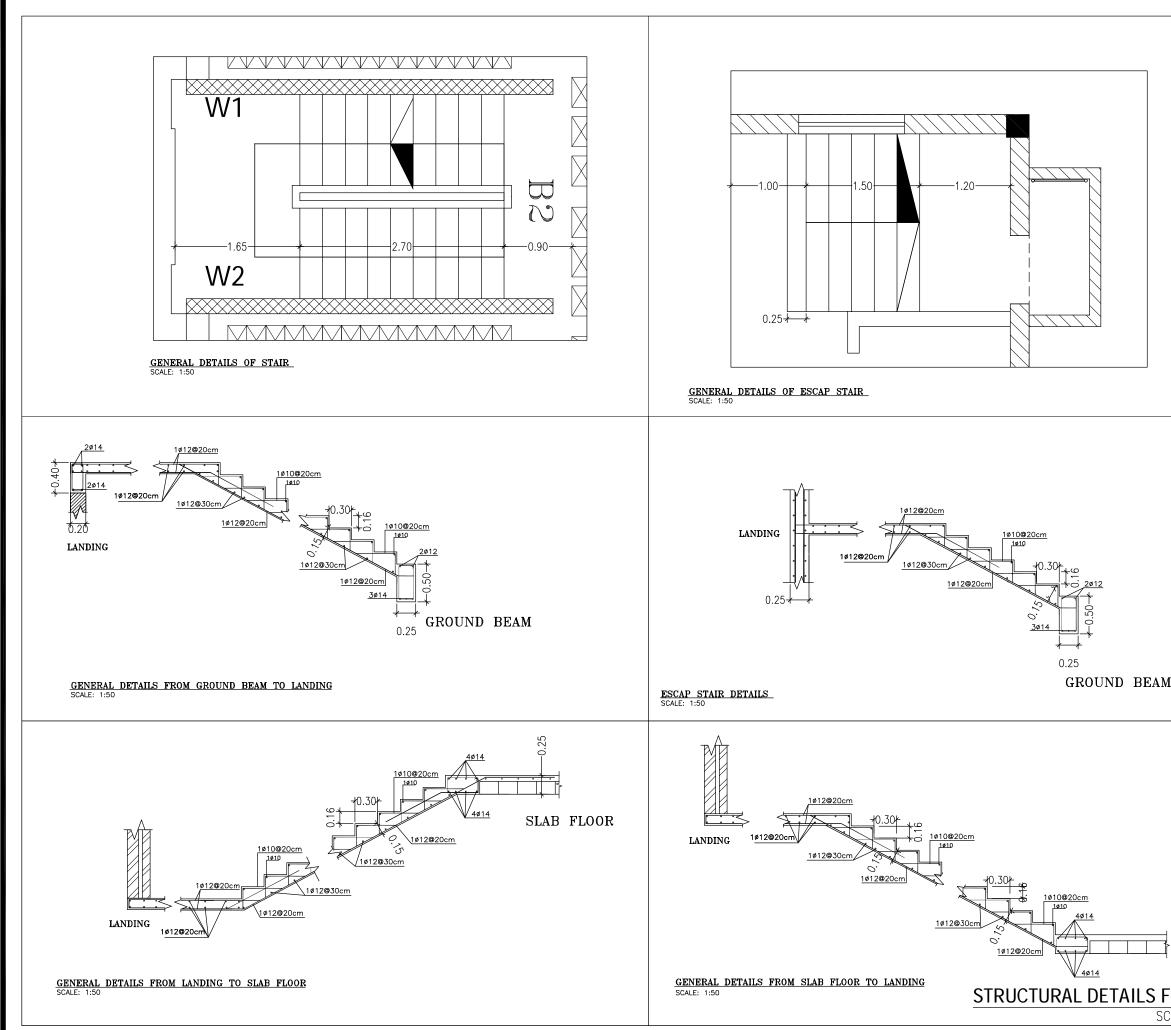


ST. 1ø10@7.5cm-ENDS ST. 1ø10@15cm-MIDDLE

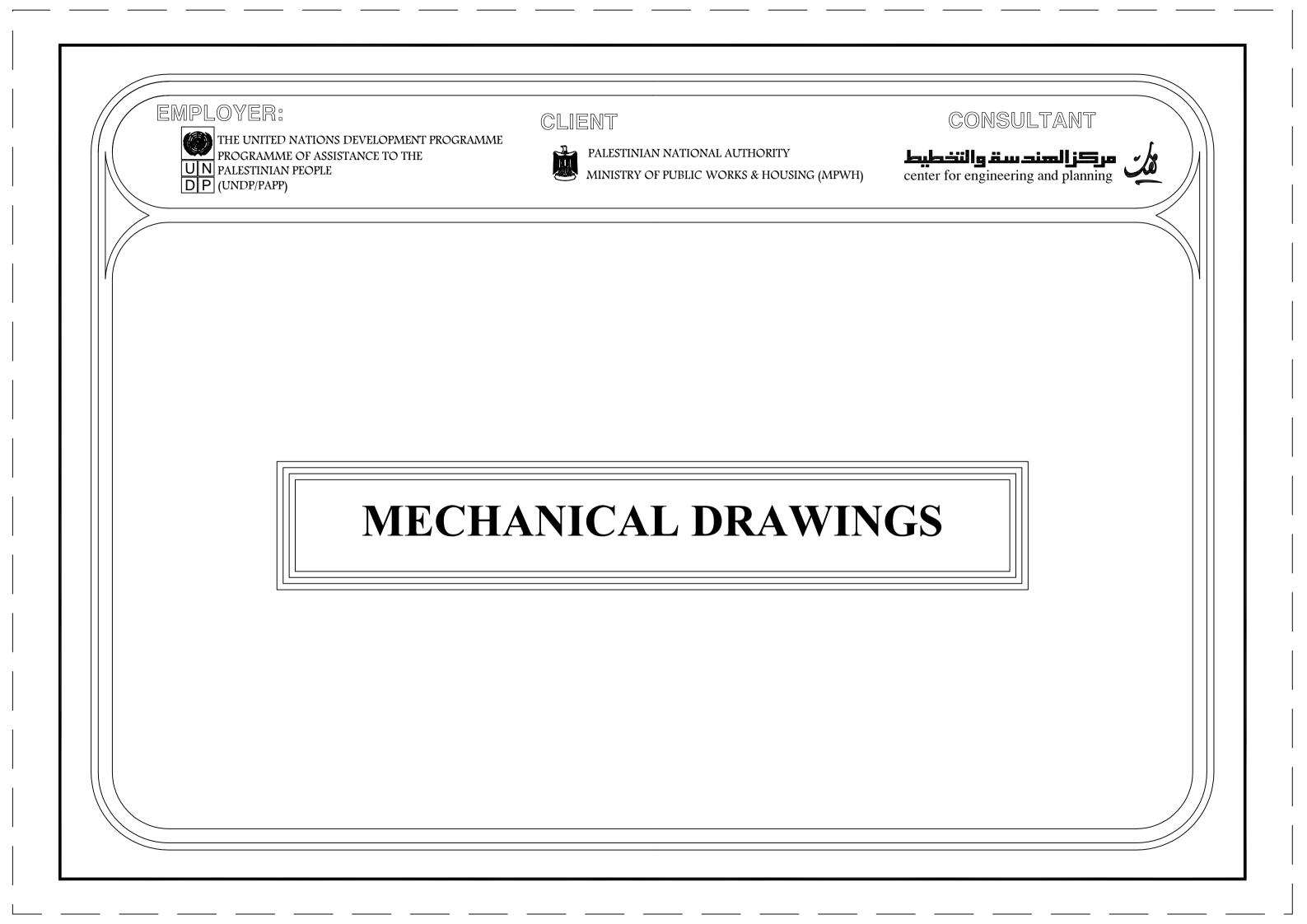
NOTES :-

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	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>
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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 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

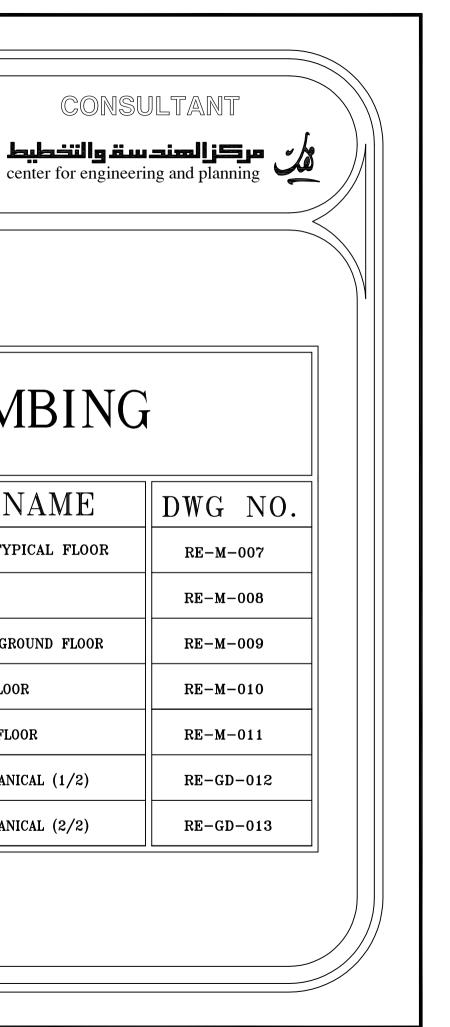


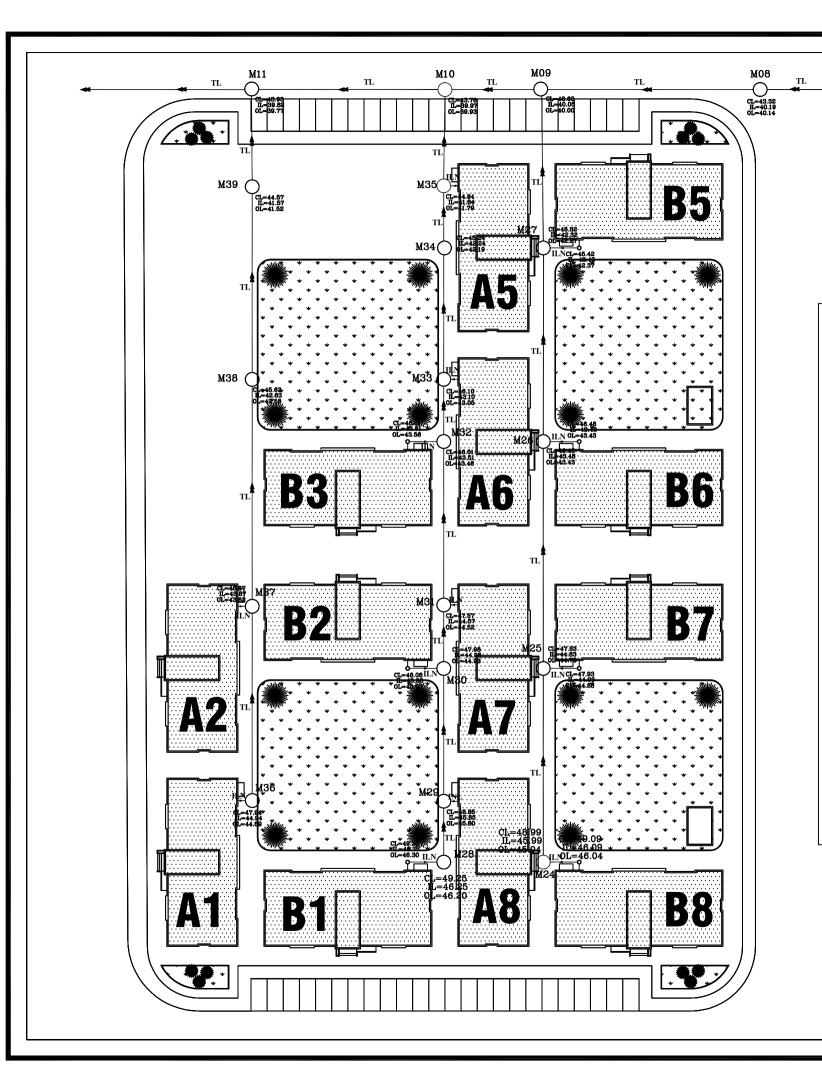
PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUS

MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

LIST OF DRAWINGS FOR PLUMBING

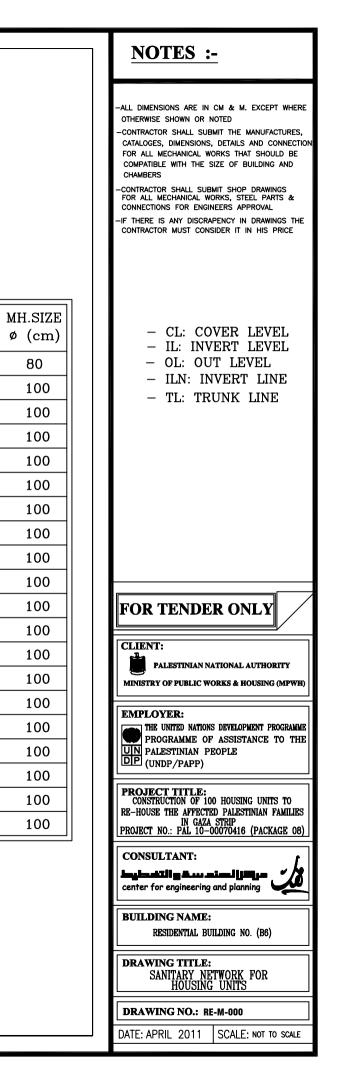
NO.	DRAWING NAME	DWG NO.	NO.	DRAWING NAME	
00	SANITARY NETWORK FOR HOUSING UNITS	RE-M-000	07	SANITARY NETWORK FOR TYPICAL FLOOR	
01	SEWER PIPE FOR THE BUILDING	RE-M-001	08	RAIN WATER FOR ROOF PLAN	
02	WATER NETWORK FOR UNDERGROUND FLOOR	RE-M-002	09	WATER NETWORK FOR UNDERGROUND FLOOR	
03	WATER NETWORK 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)	

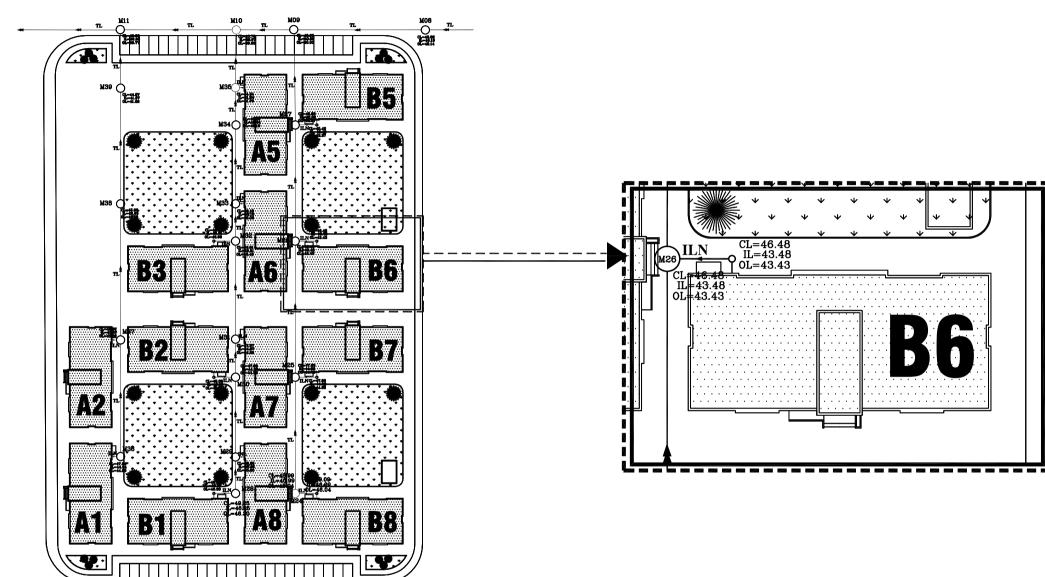




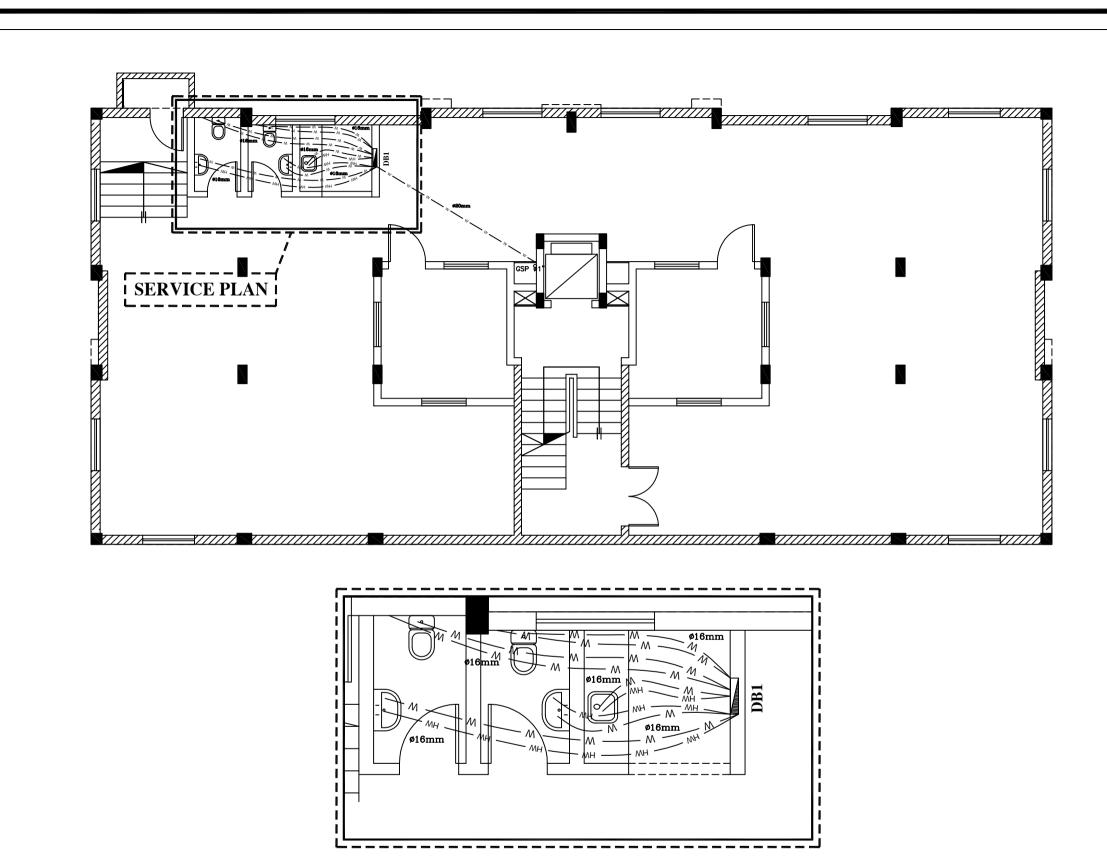
MANHOLES SCHEDULE

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





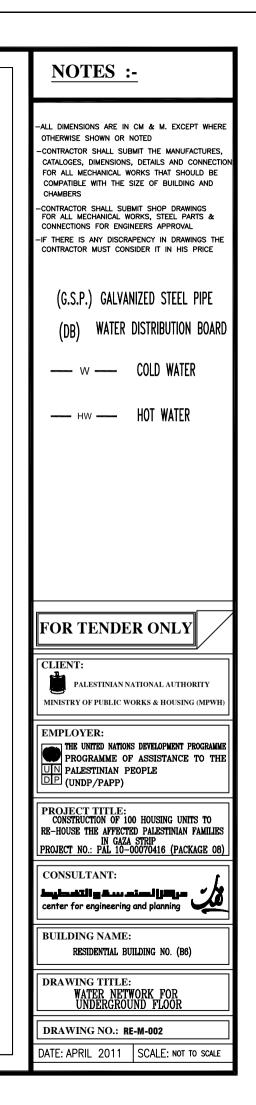
NOTES :-	
-ALL DIMENSIONS ARE IN CM & M. EX OTHERWISE SHOWN OR NOTED -CONTRACTOR SHALL SUBMIT THE MAN CATALOGES, DIMENSIONS, DETAILS AN FOR ALL MECHANICAL WORKS, DETAILS AN FOR ALL MECHANICAL WORKS, STEEL CHAMBERS -CONTRACTOR SHALL SUBMIT SHOP DF FOR ALL MECHANICAL WORKS, STEEL CONNECTIONS FOR ENGINEERS 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)

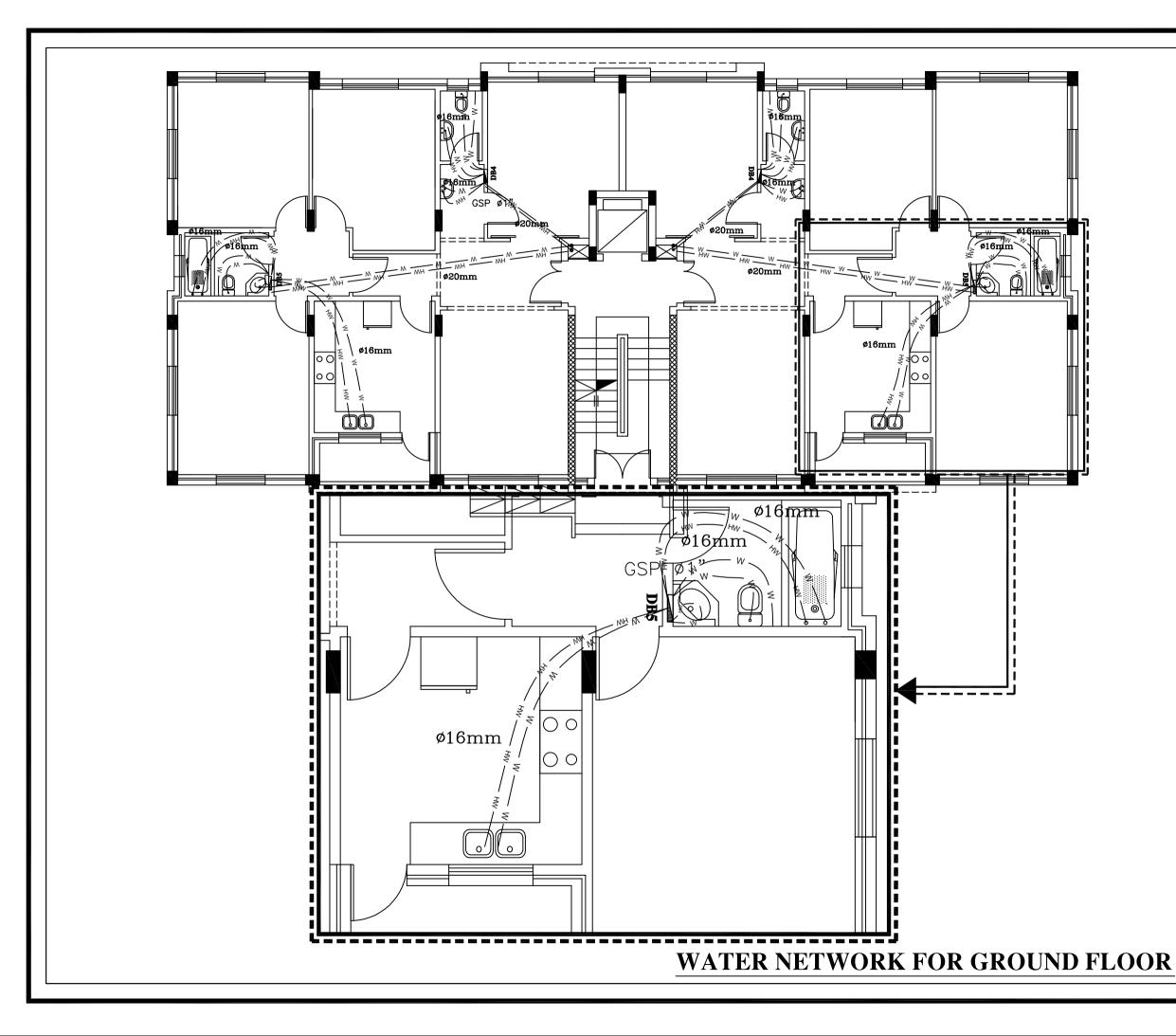


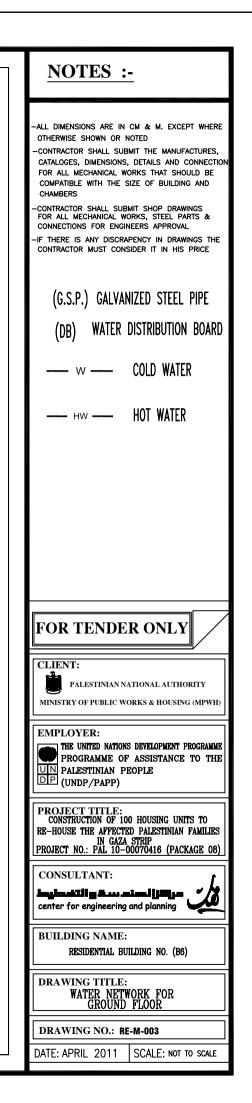
SCALE 1:50

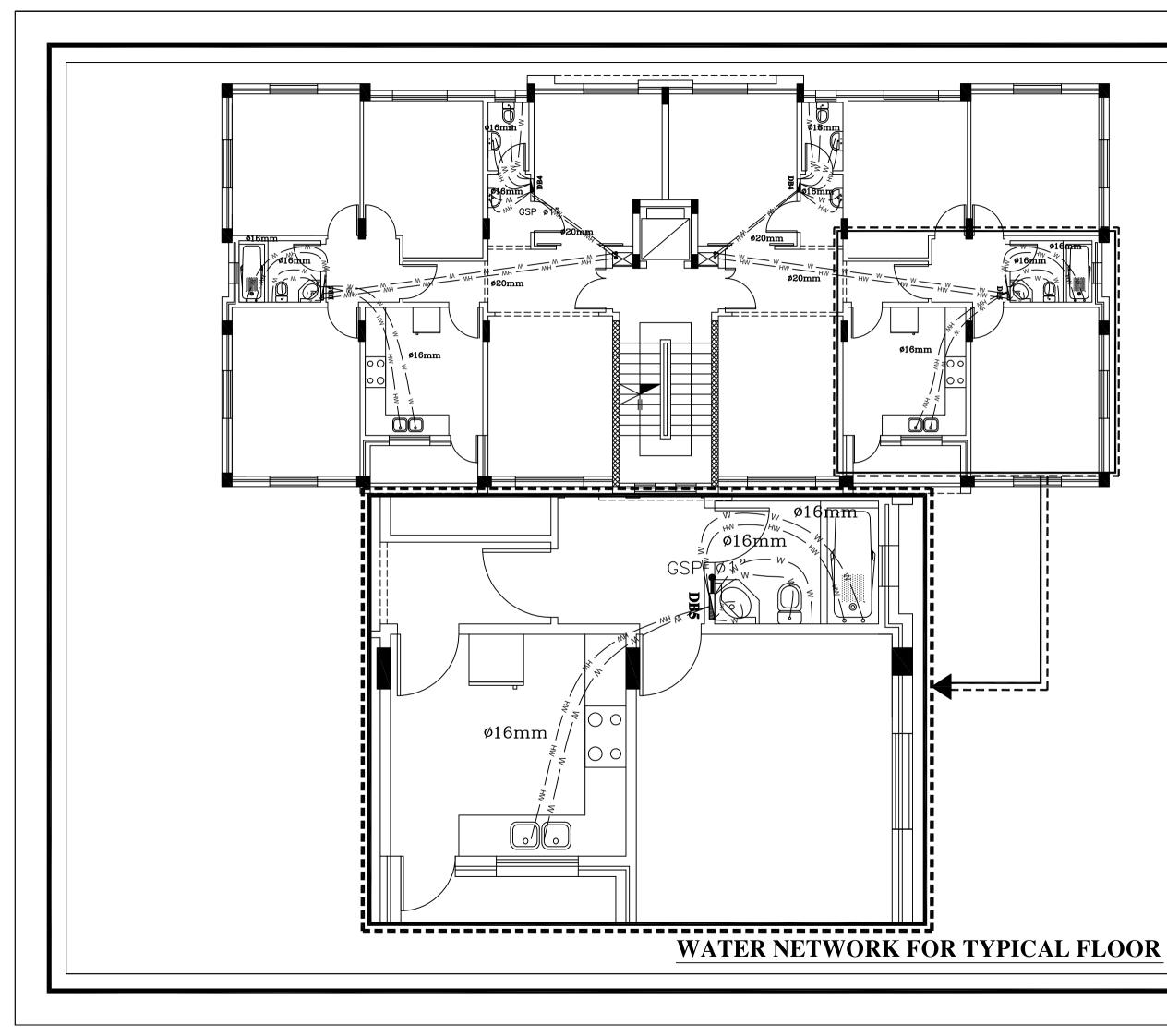
WATER NETWORK FOR SERVICE PLAN

WATER NETWORK FOR UNDERGROUND FLOOR

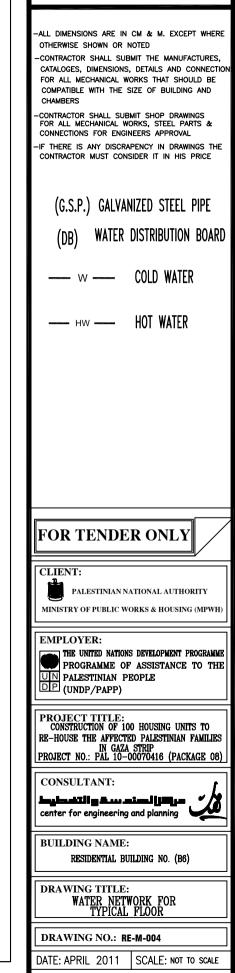


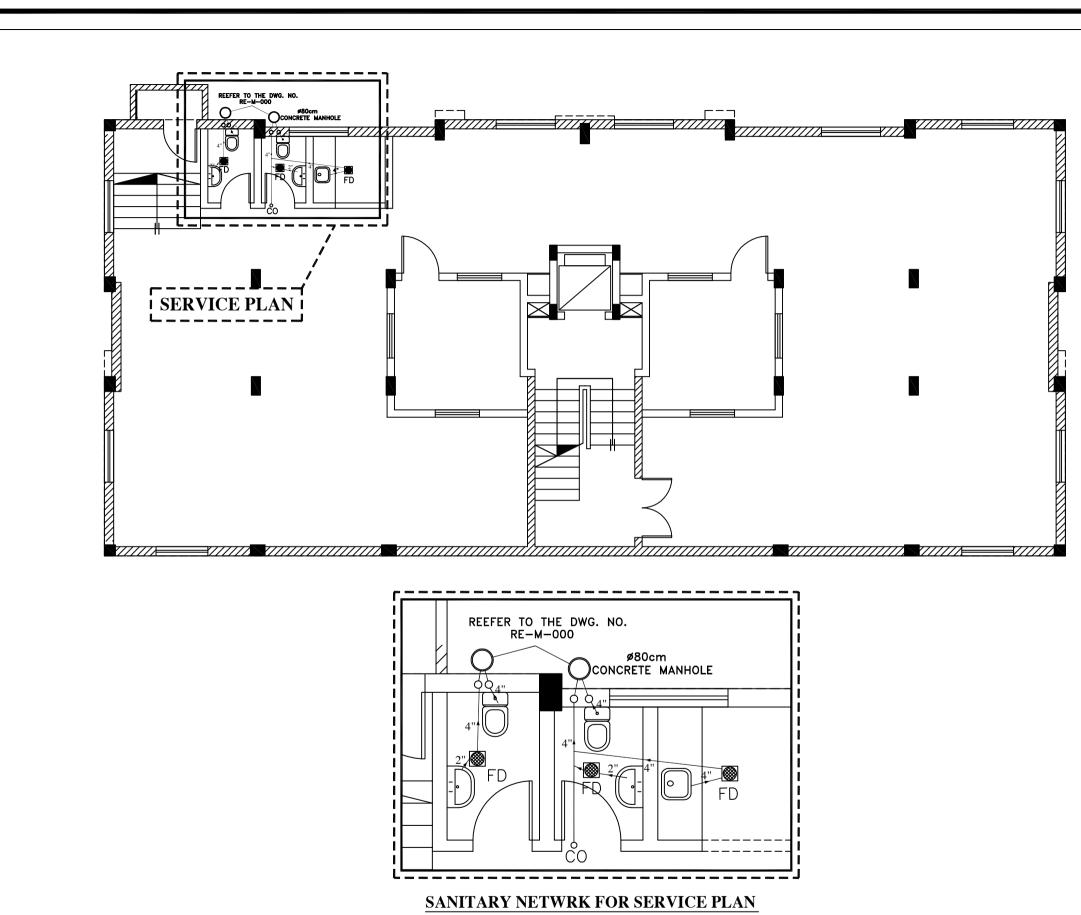






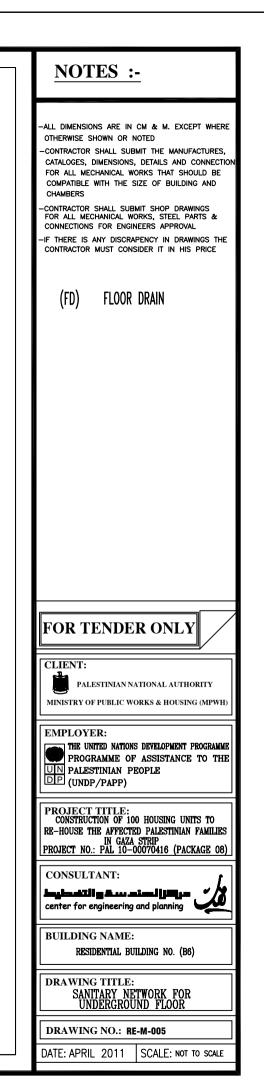


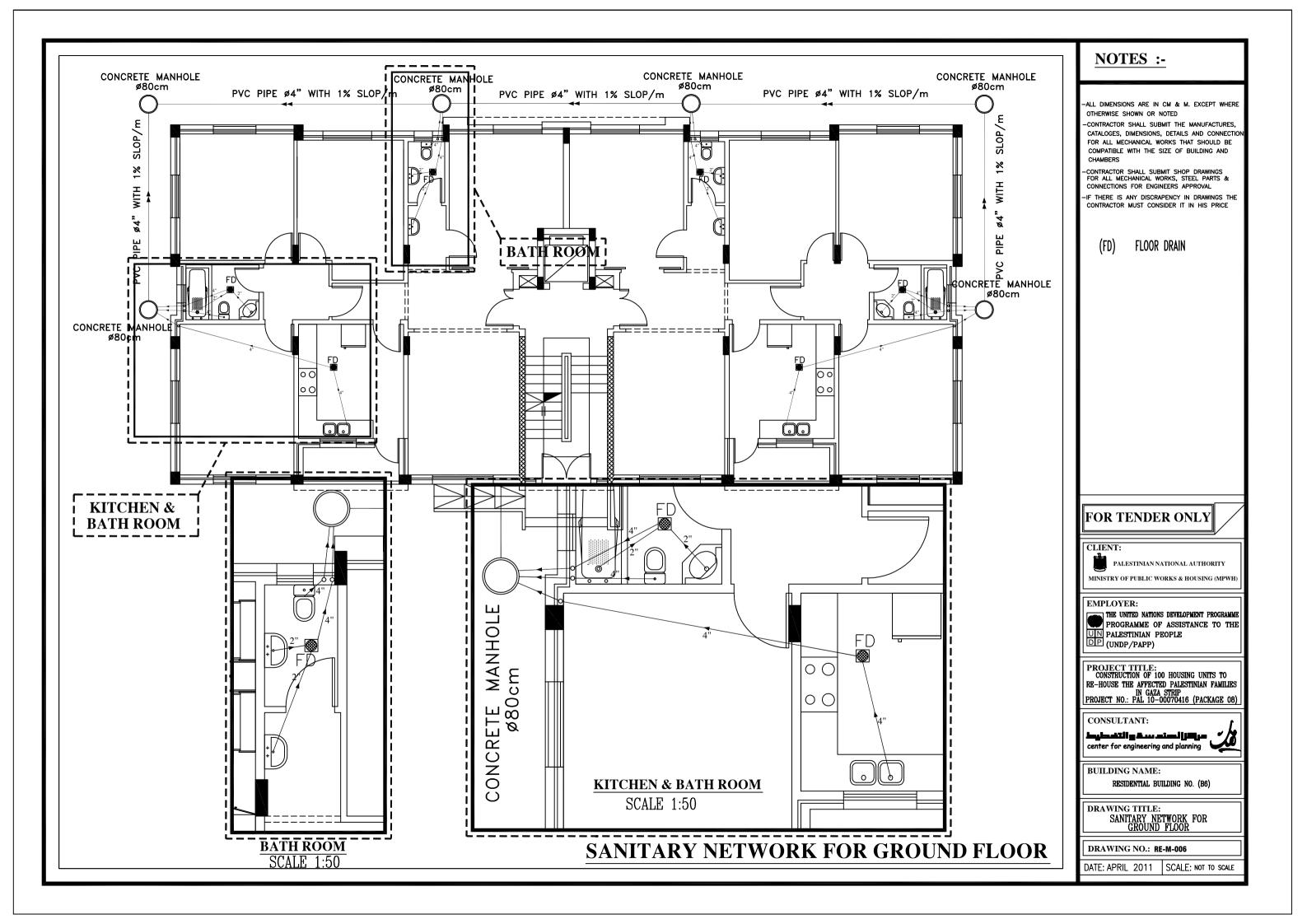


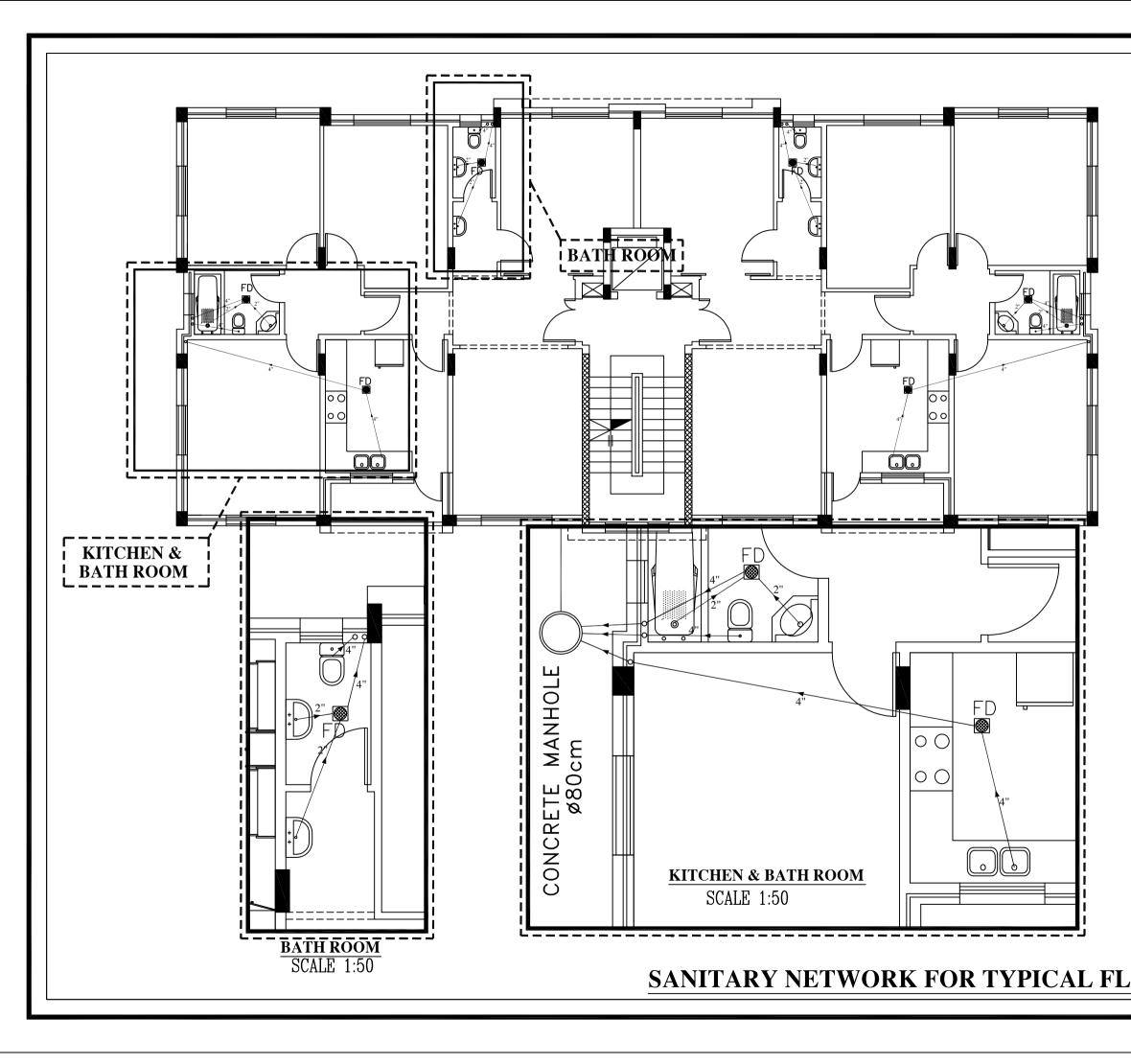


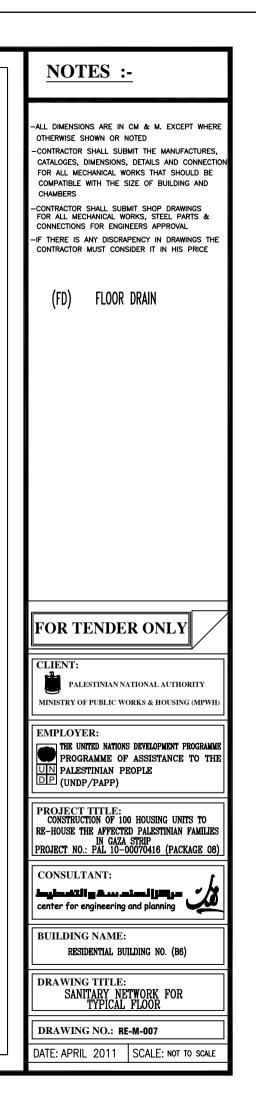
SCALE 1:50

SANITARY NETWORK FOR UNDERGROUND FLOOR

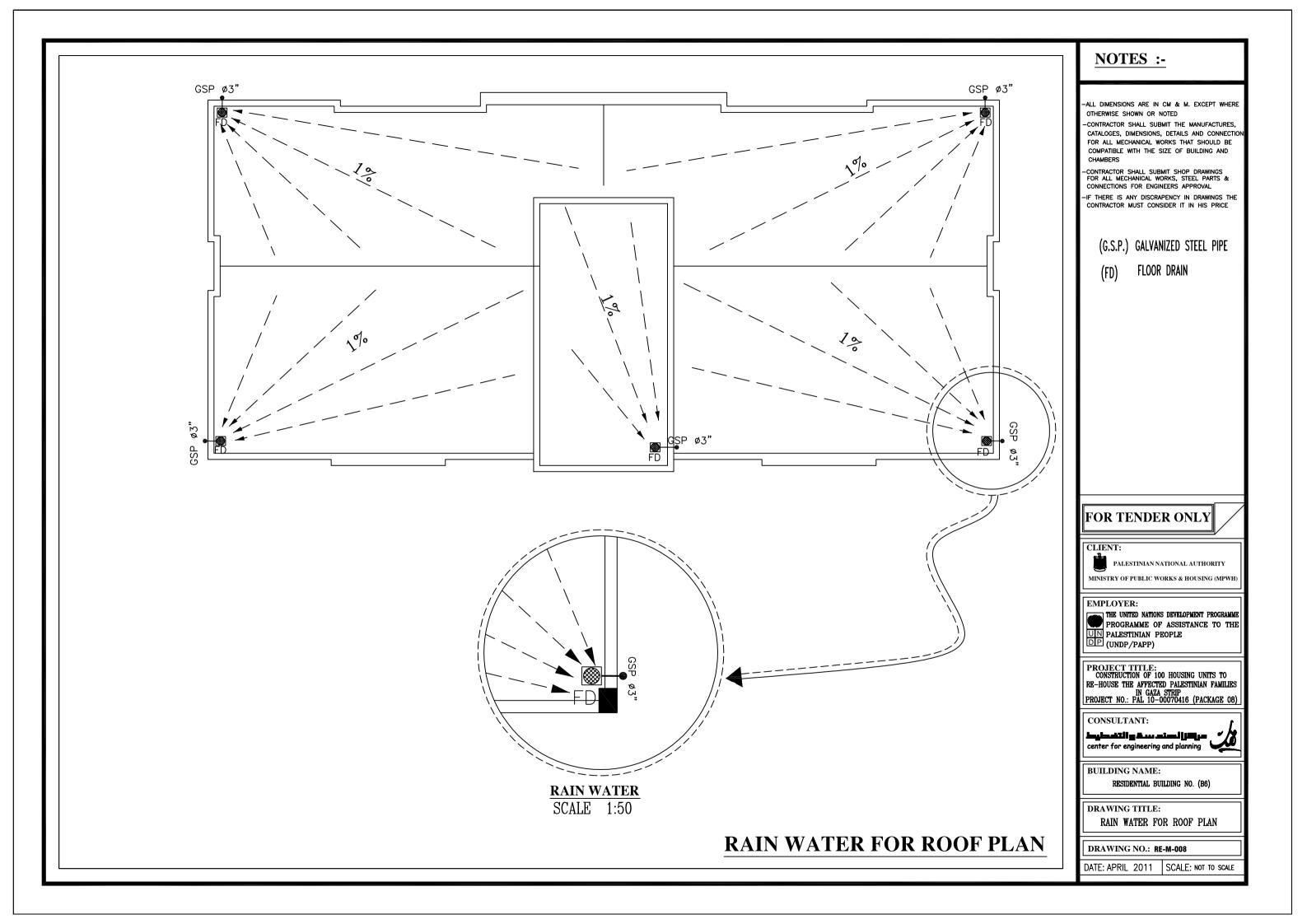


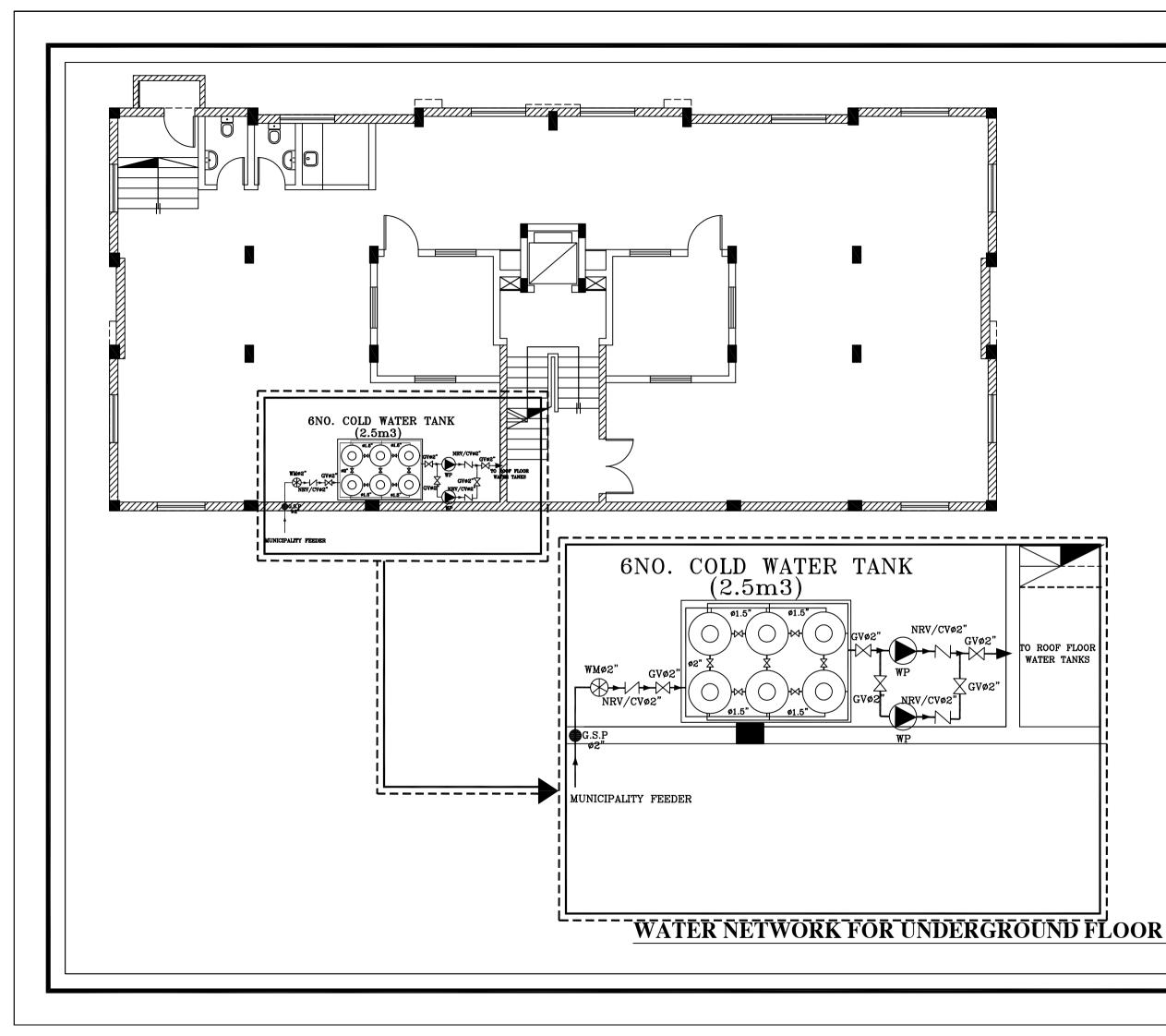


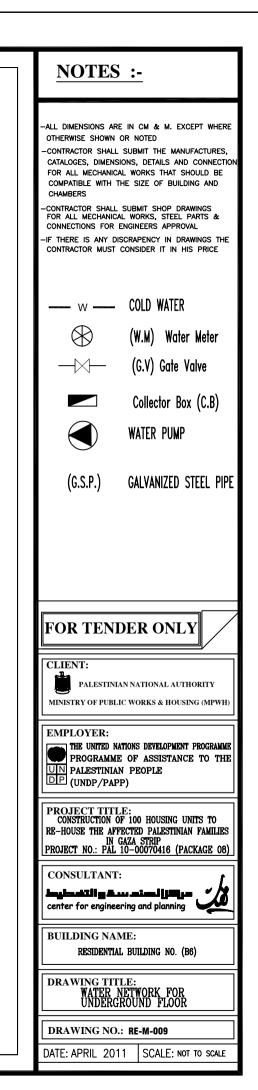


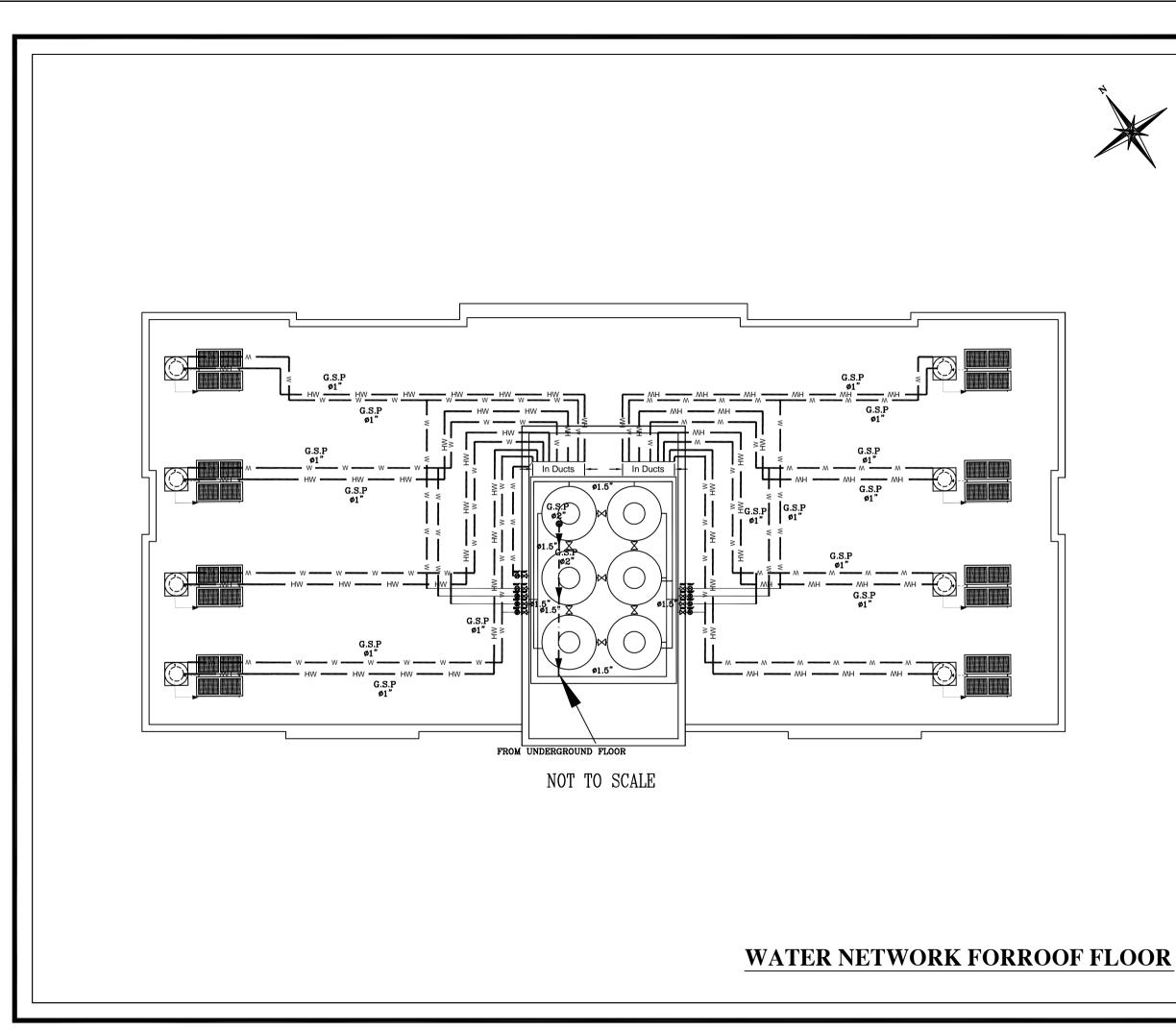


OOF	R
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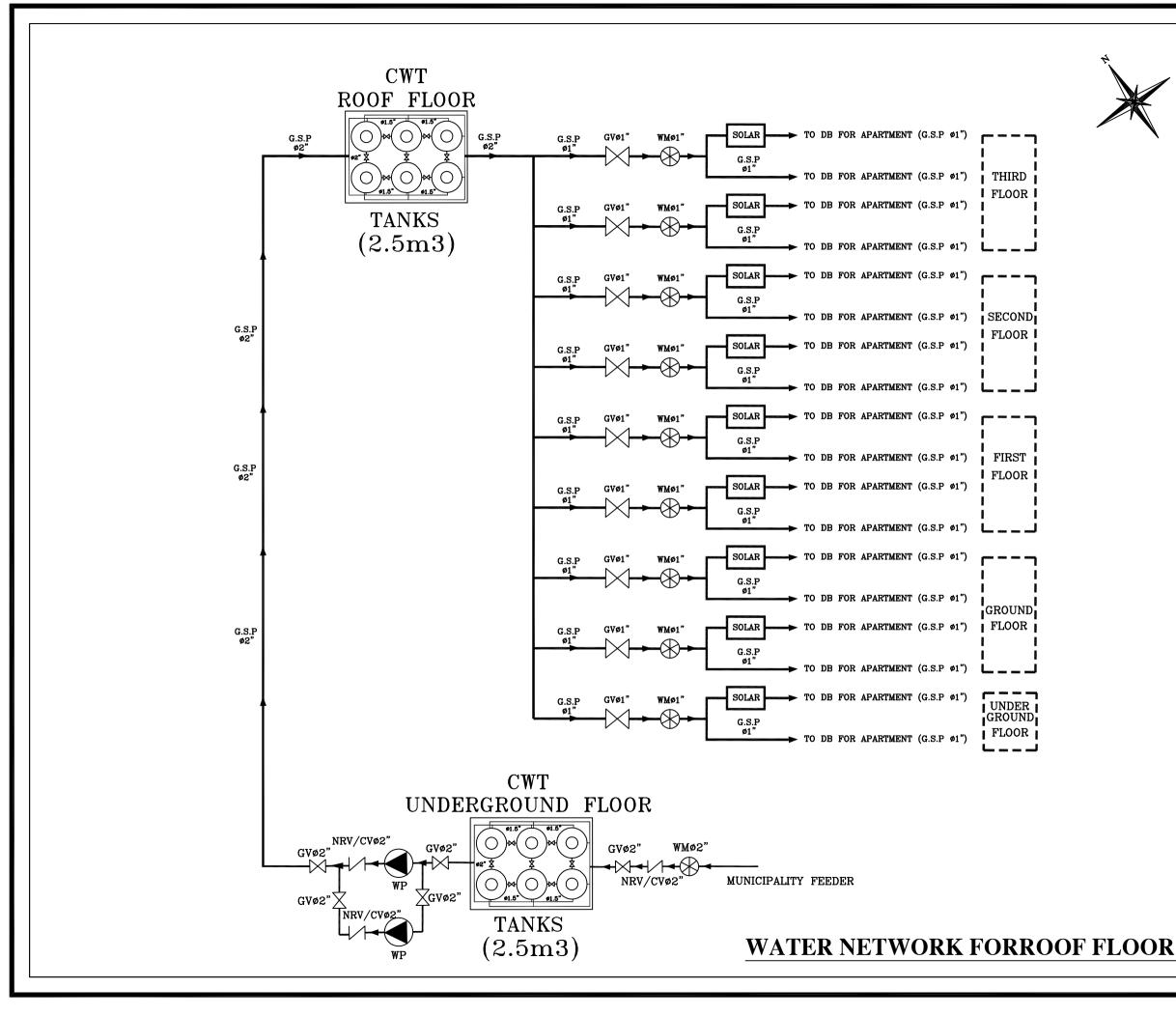




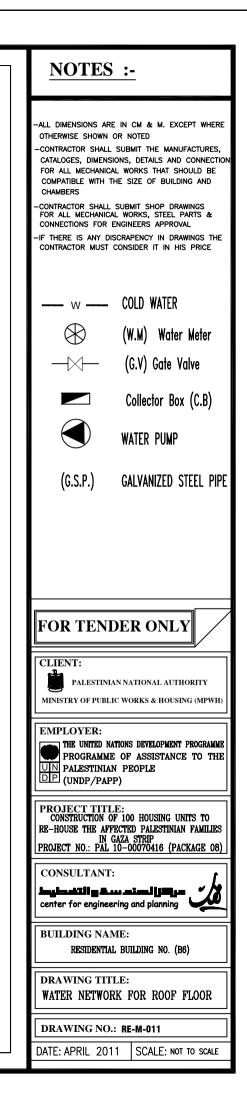


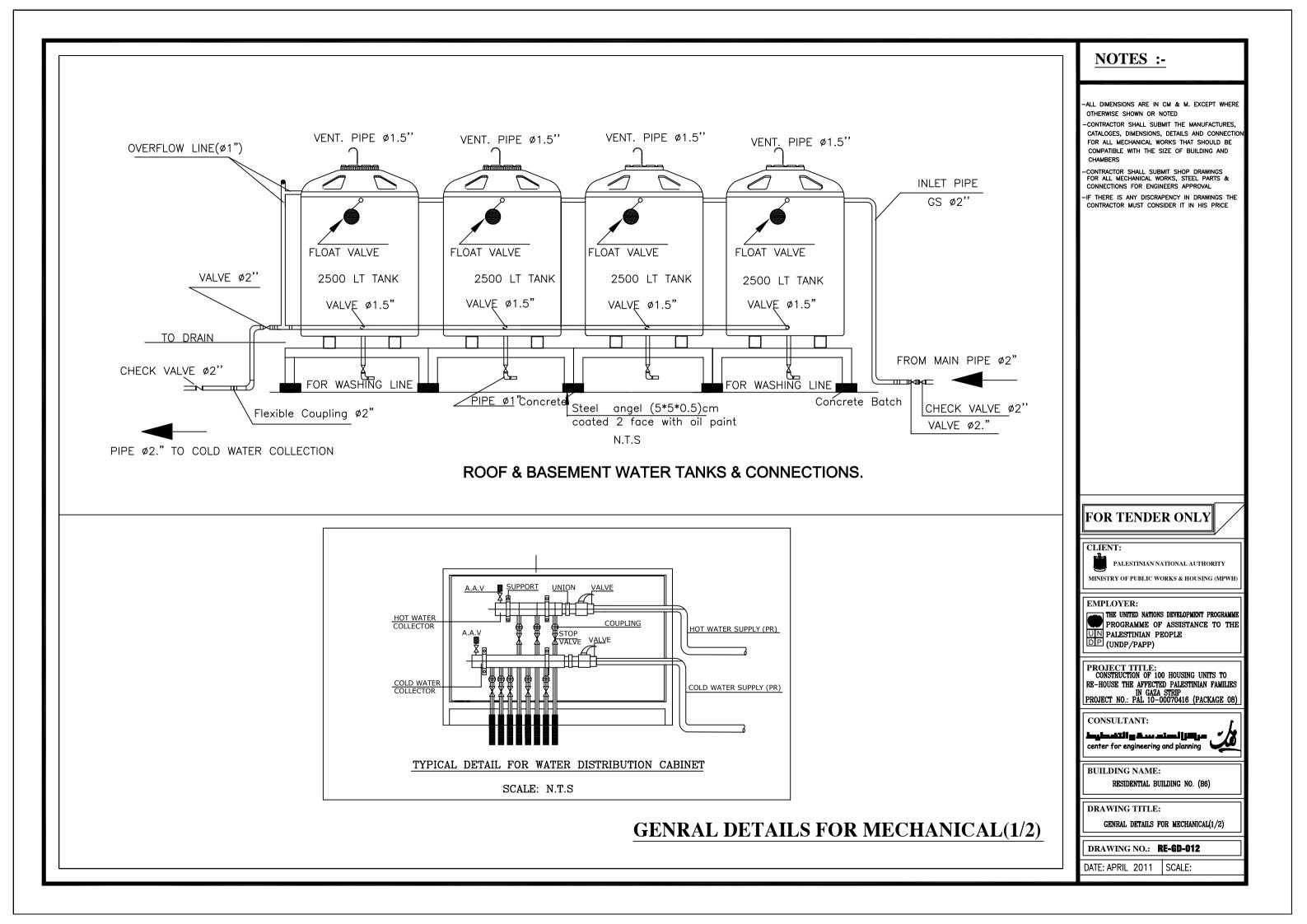


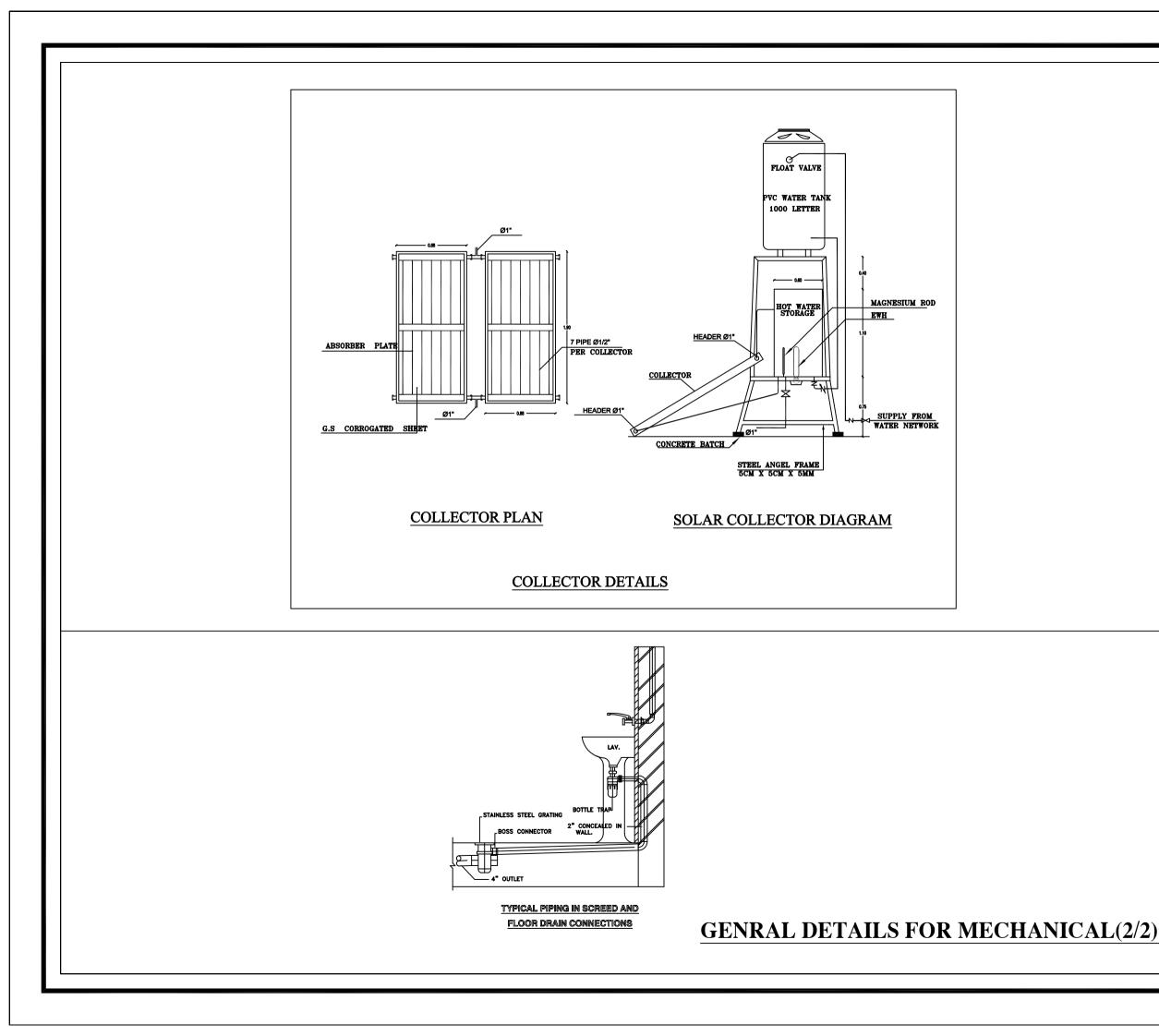
<u>NOTES :-</u>
-ALL DIMENSIONS ARE IN CM & M. EXCEPT WHERE OTHERWISE SHOWN OR NOTED -CONTRACTOR SHALL SUBMIT THE MANUFACTURES, CATALOGES, DIMENSIONS, DETAILS AND CONNECTION FOR ALL MECHANICAL WORKS THAT SHOULD BE COMPATIBLE WITH THE SIZE OF BUILDING AND CHAMBERS -CONTRACTOR SHALL SUBMIT SHOP DRAWINGS 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

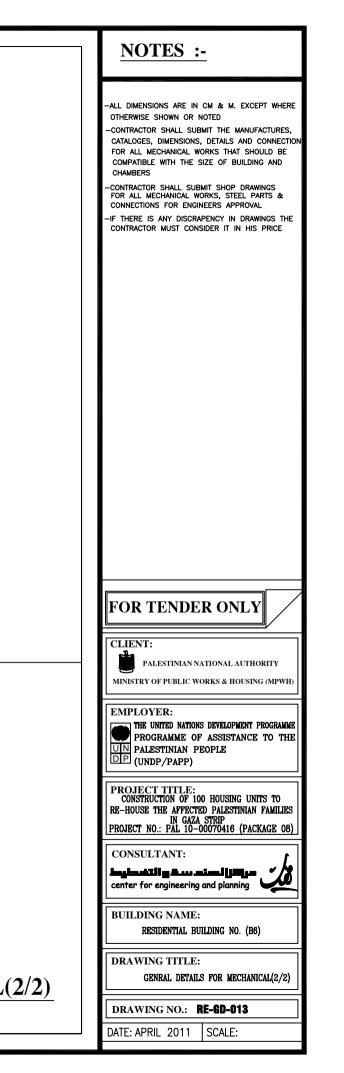


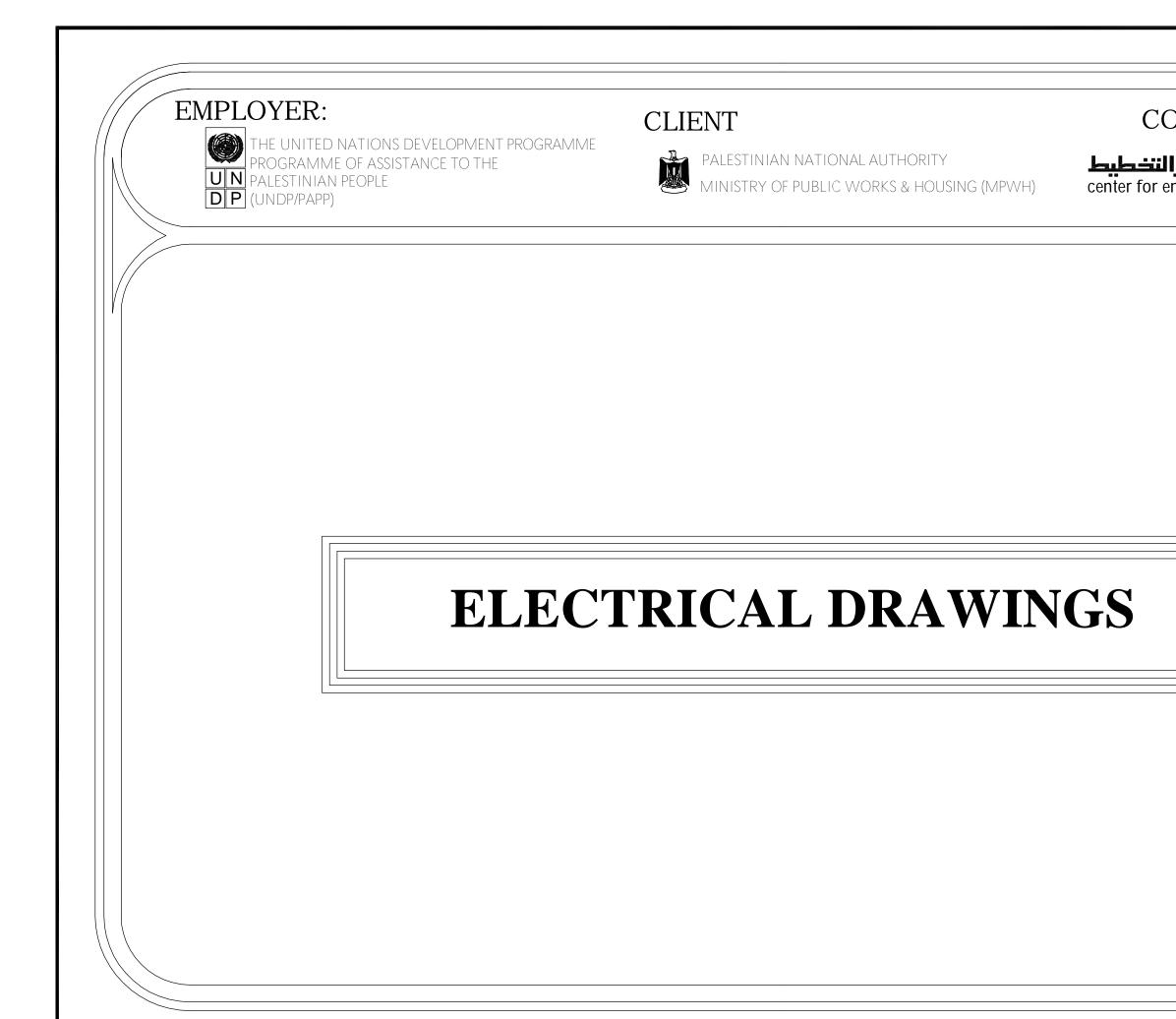














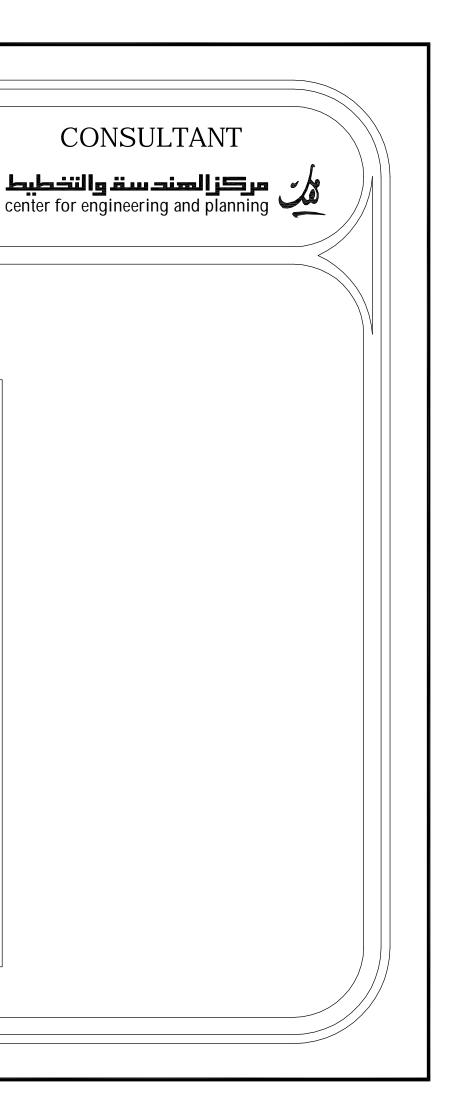


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE DP (UNDP/PAPP)

CLIENT



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

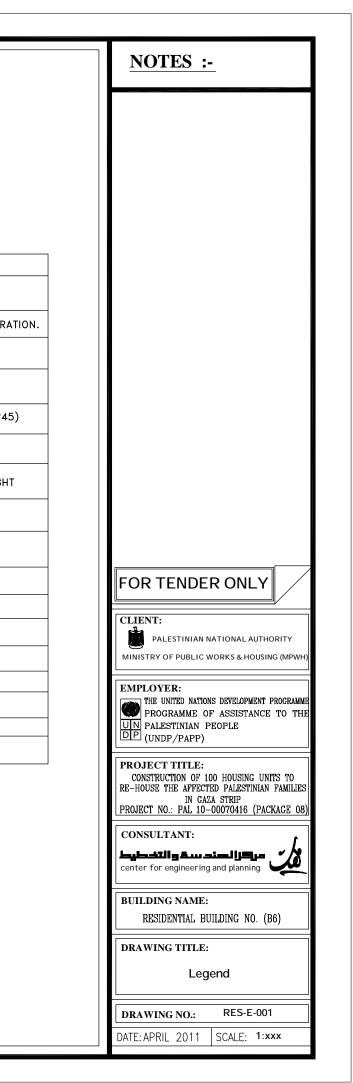


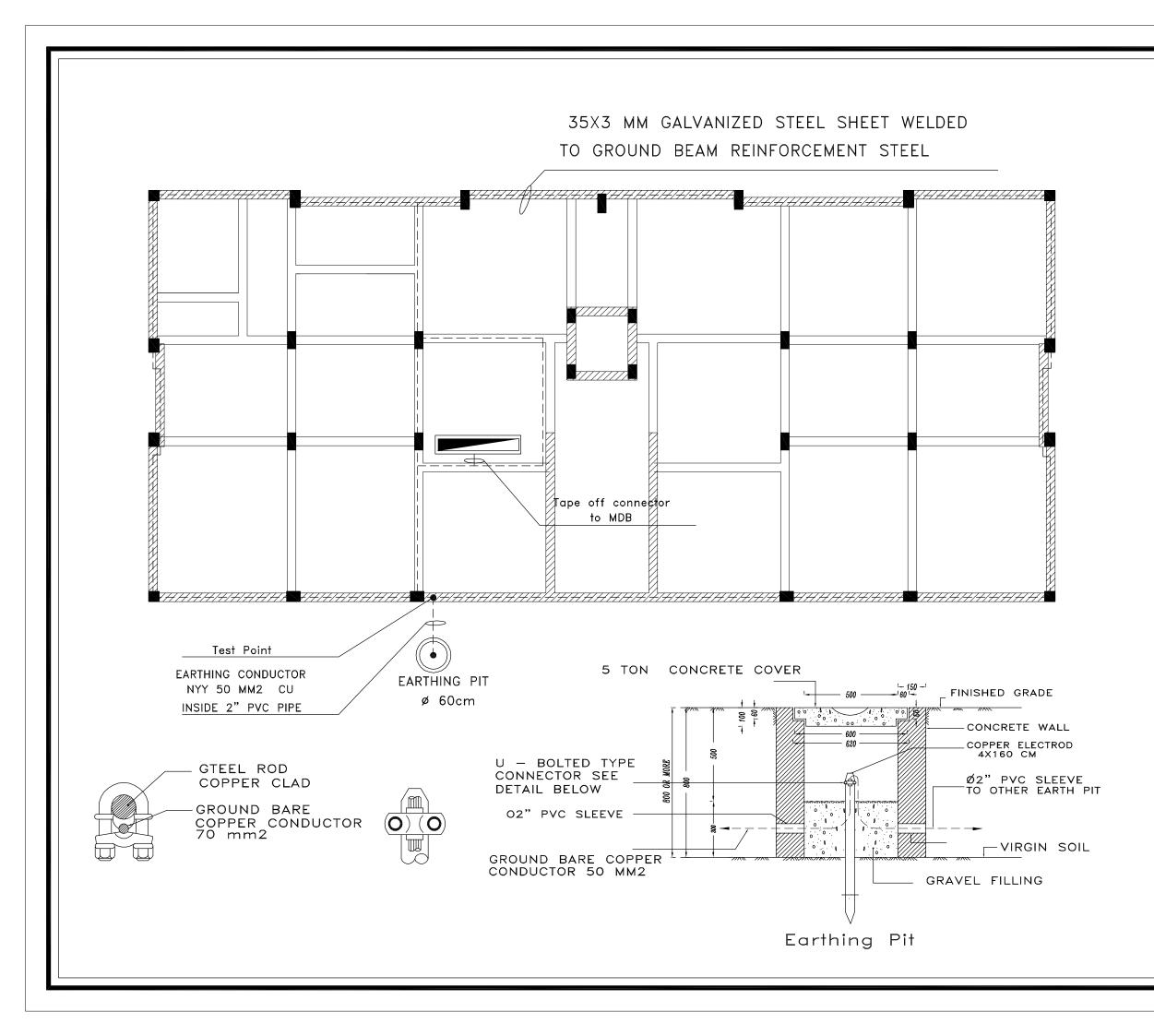
LIST OF DRAWINGS

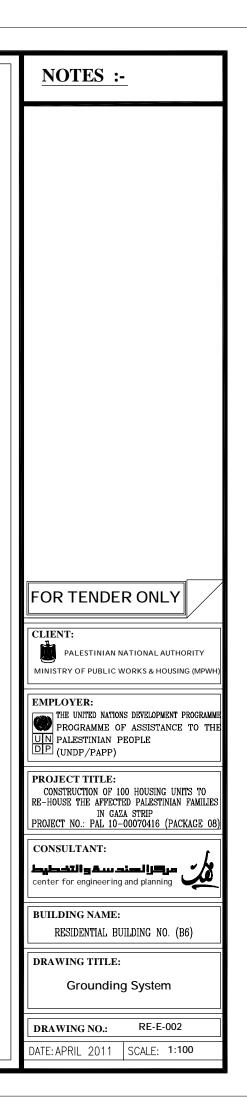
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	ELECTRICAL DRAWING	
01/16	Legend	RE-E-001
02/16	Grounding System	RE-E-002
03/16	UNDERGROUND FLOOR-Electrical Arrangements	RE-E-003
04/16	UNDERGROUND FLOOR-Lighting Fittings Layout	RE-E-004
05/16	UNDERGROUND FLOOR-Power Fittings Layout	RE-E-005
06/16	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

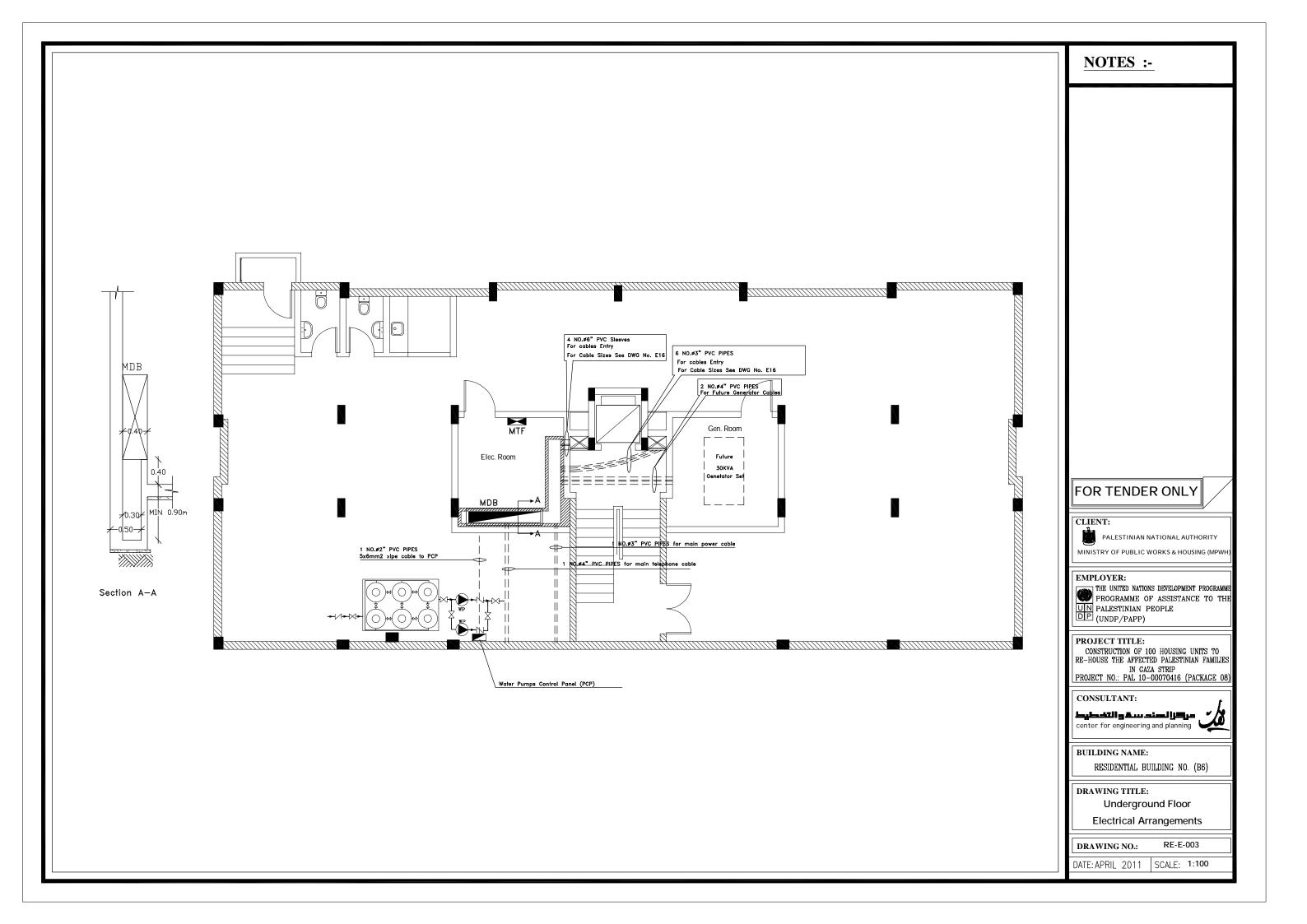
SYMBOL	DESCRIPTION
-(16A SINGLE PHASE, 3-PIN SOCKET OUTLET H=45CM F.F.F.L
-1	16A SINGLE PHASE, 3-PIN SOCKET OUTLET, WATER PROOF.IP65 H=140CM F.F.F.L
À	1×20A - 220V AIR CONDITIONING SOCKETOUTLET +CONTROL SWITCH WITH INDICATOR LAMP. H=160CM F.F.F.L
# - K	THREE PHASE, SOCKET OUTLET H=140CM F.F.F.L
(W.H)	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

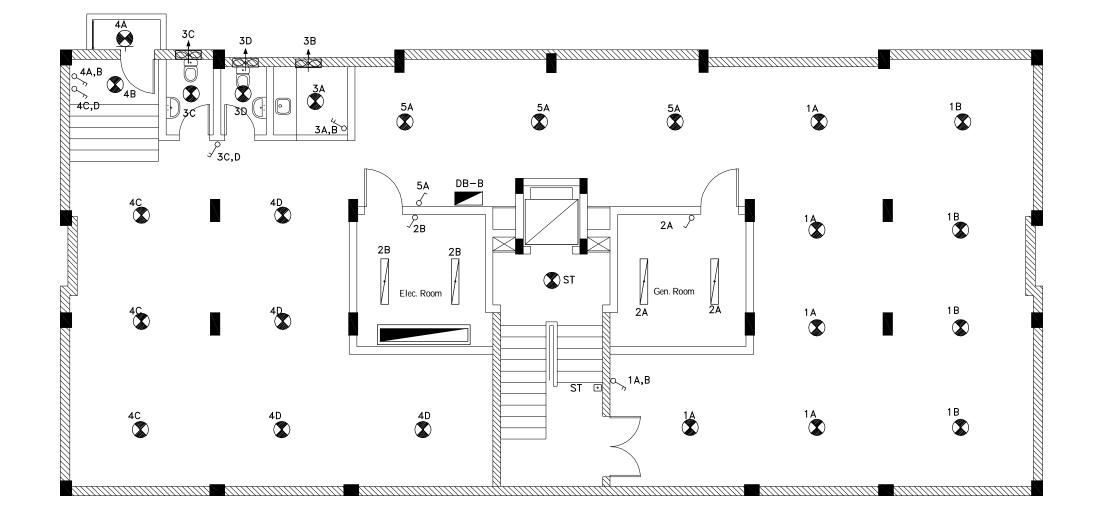
SYMBOL	DESCRIPTION
	2x36W SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE WITH OUT REFLECTOR IP20
EM	DITTO BUT WITH BACK UP POWER BUILT IN, FOR 1.5HR DURA
	2x36W SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE WATER PROOF IP65
EM	2x36W SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE WATER PROOF IP65
	26W COMPACT 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
•	•

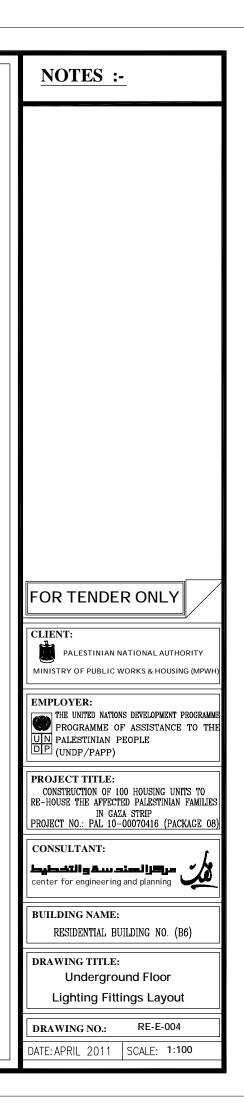


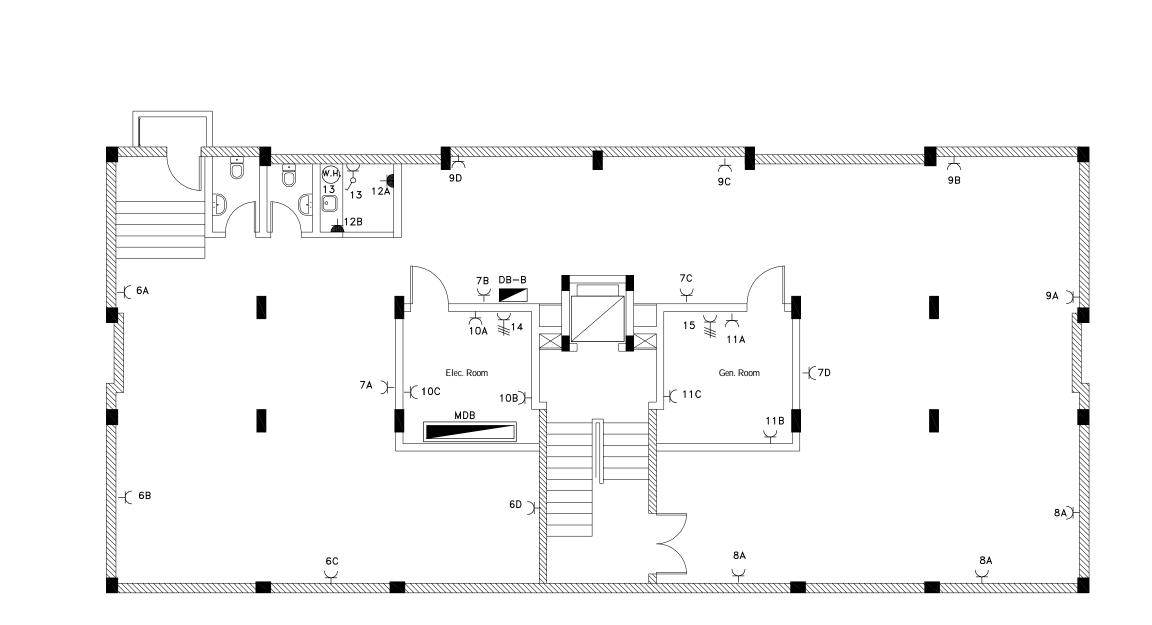


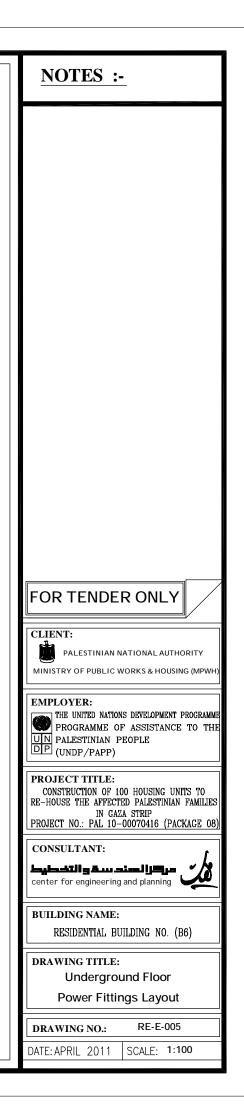


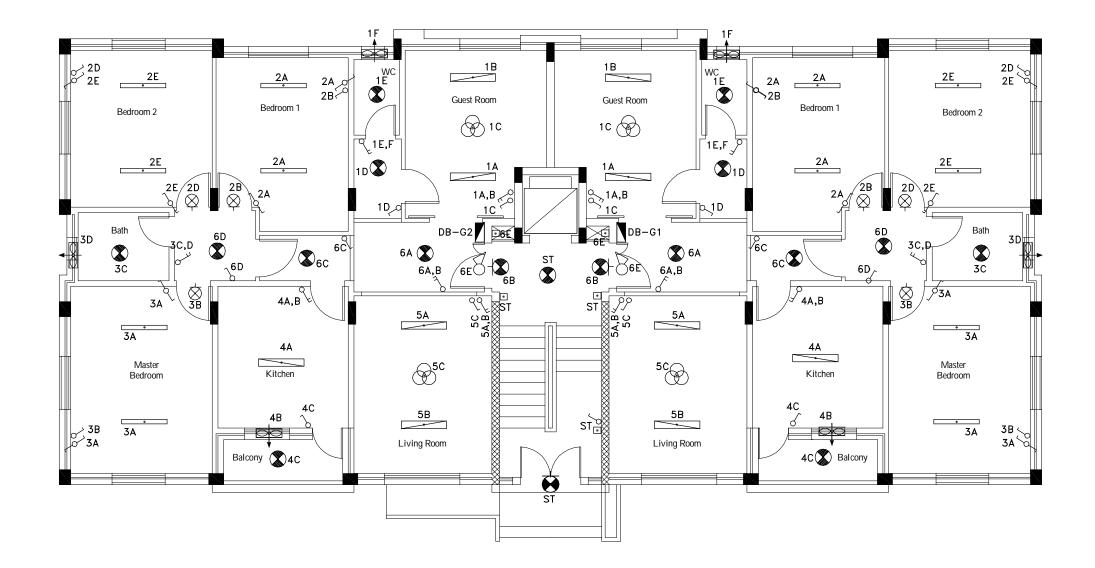


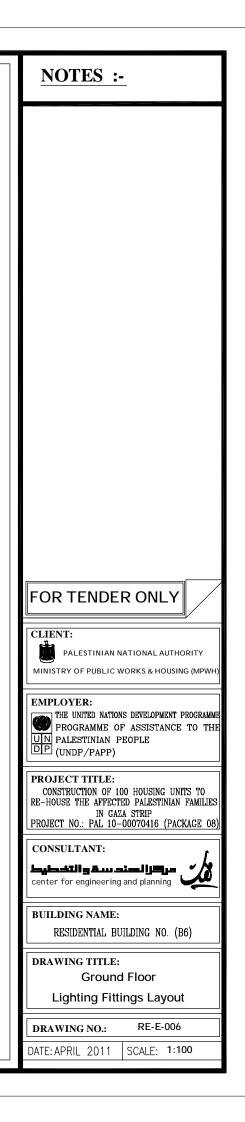


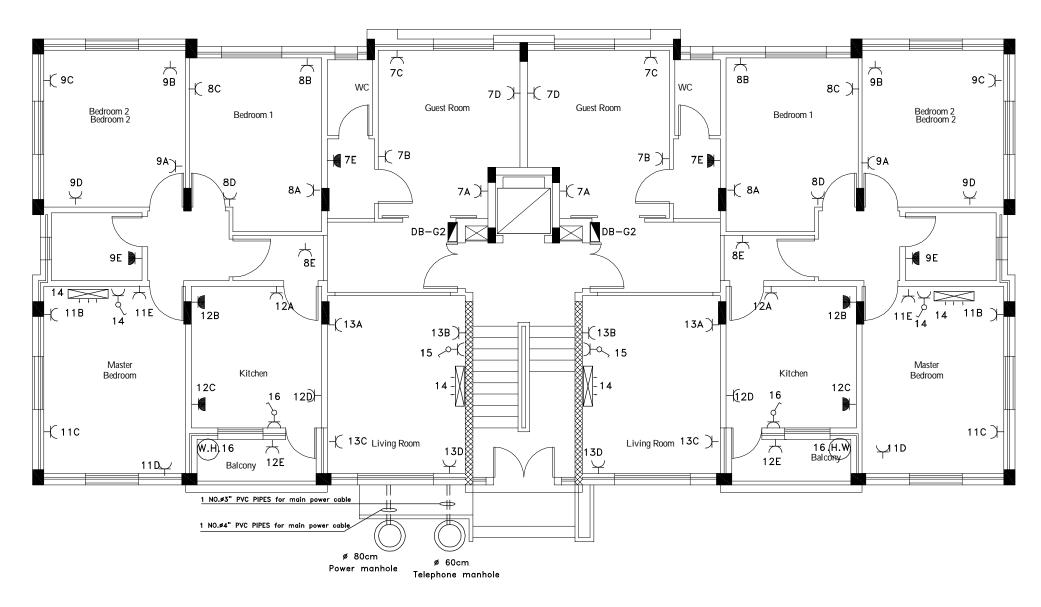


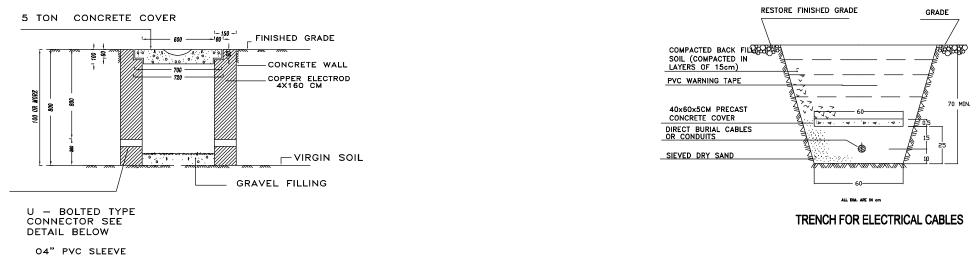




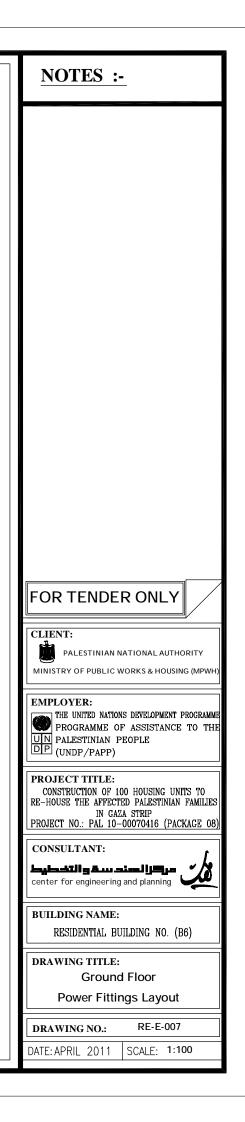


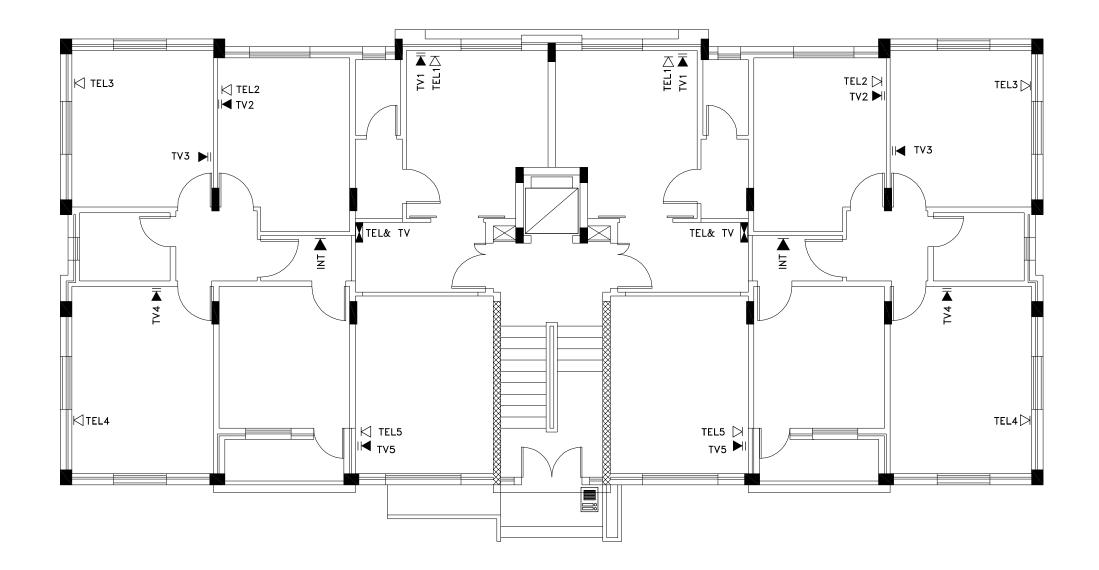


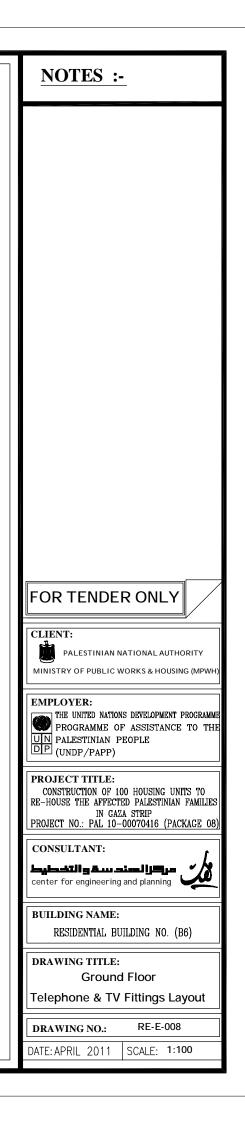


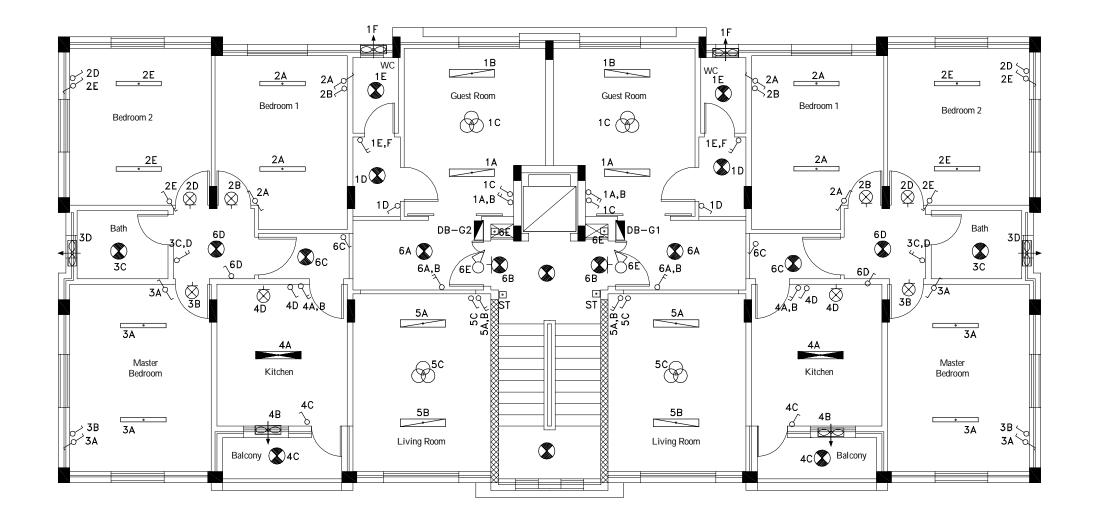


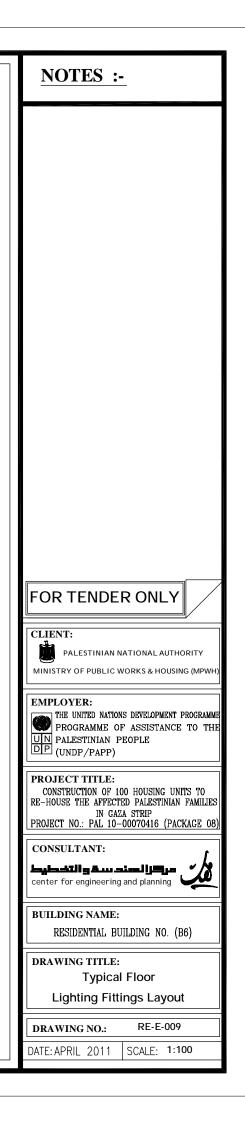
Power Manhole Details

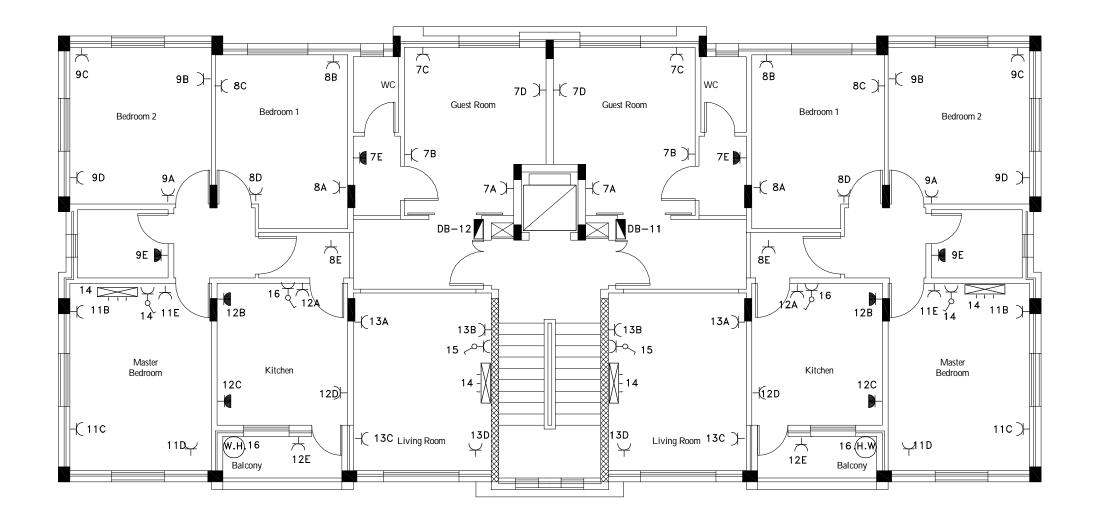


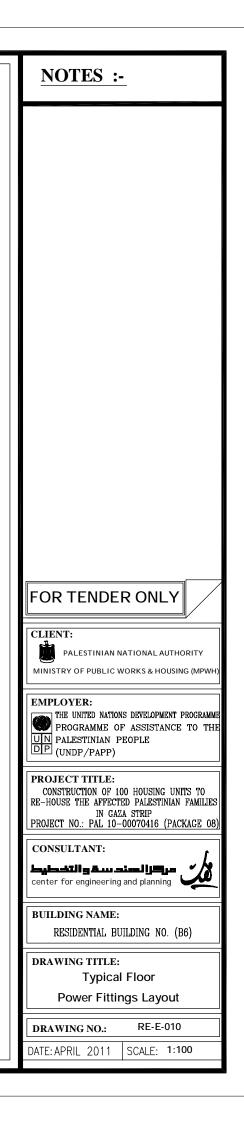


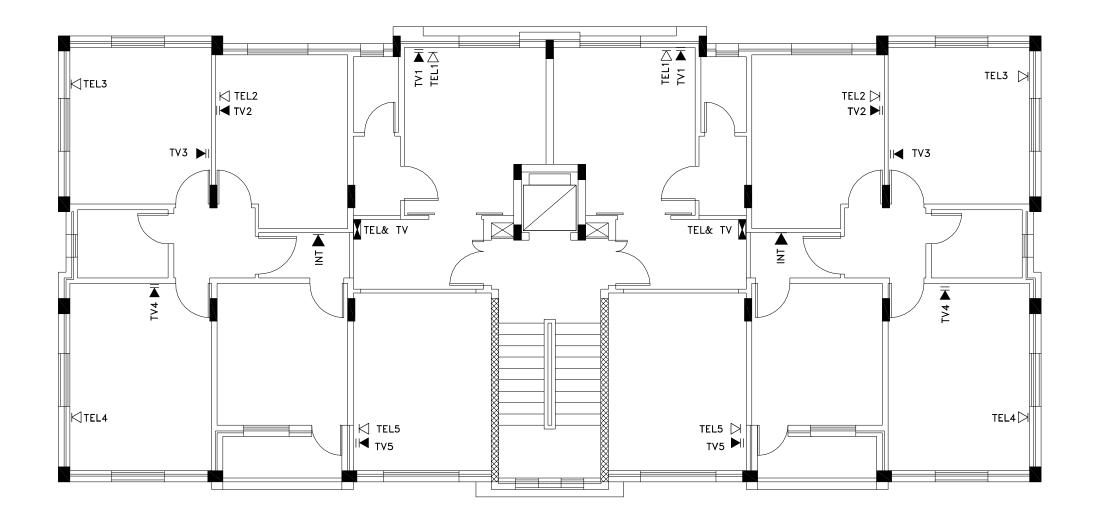


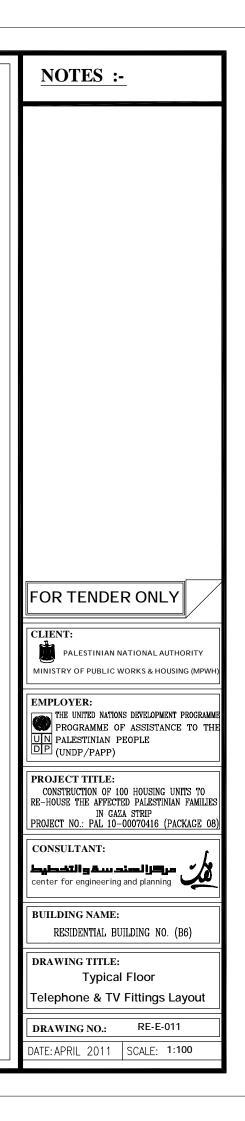


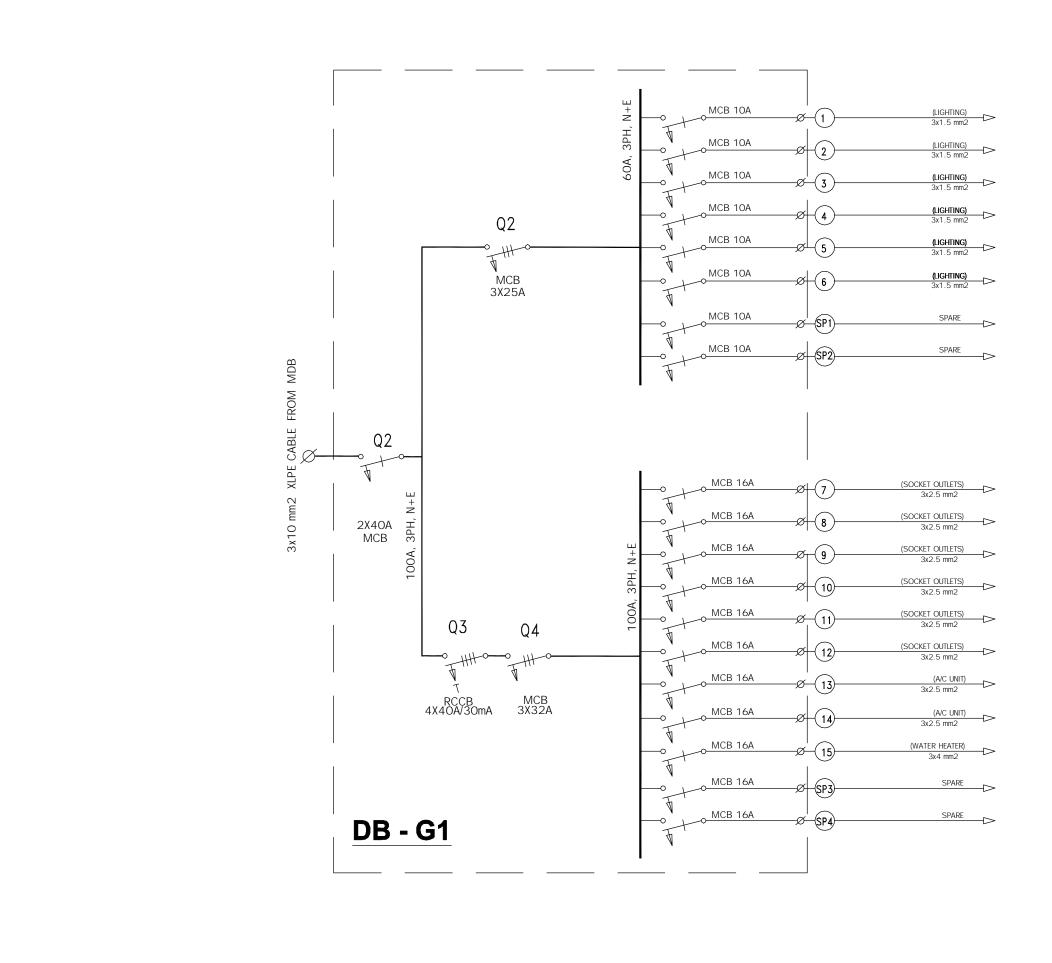


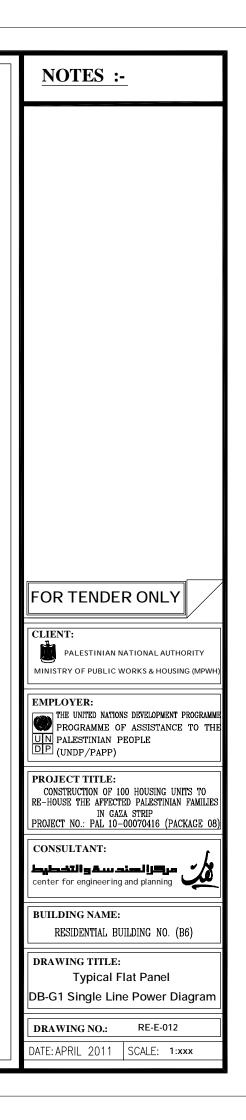


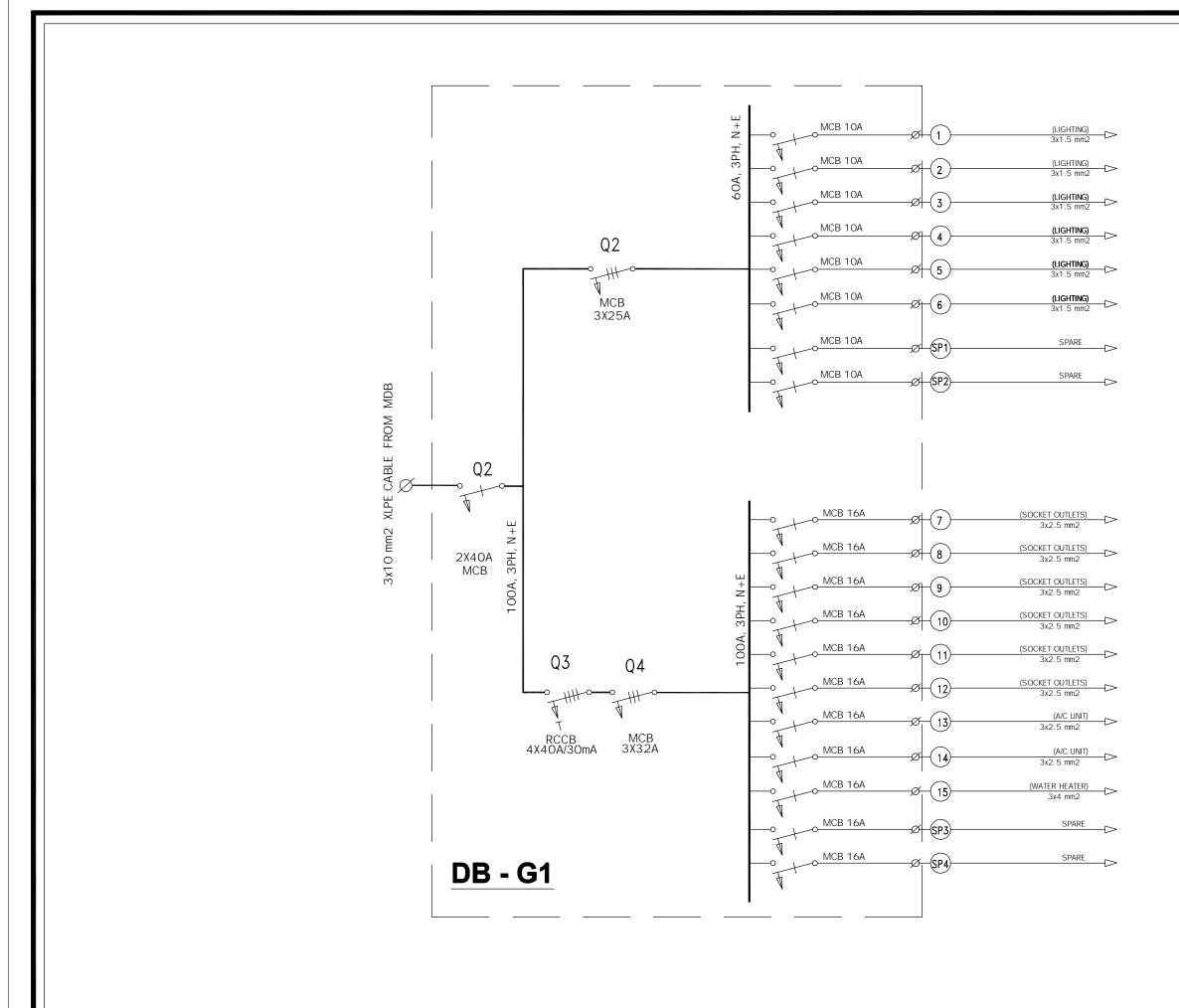


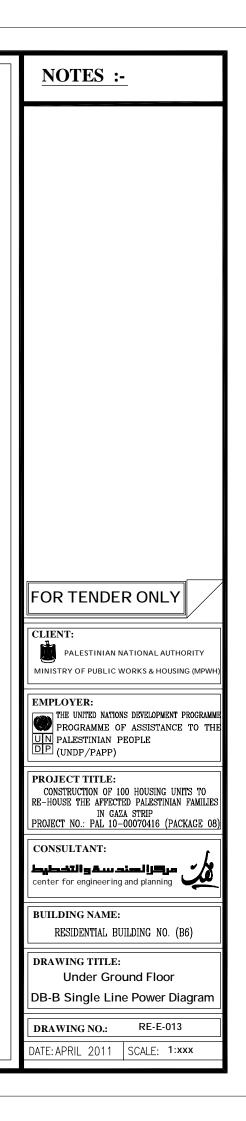


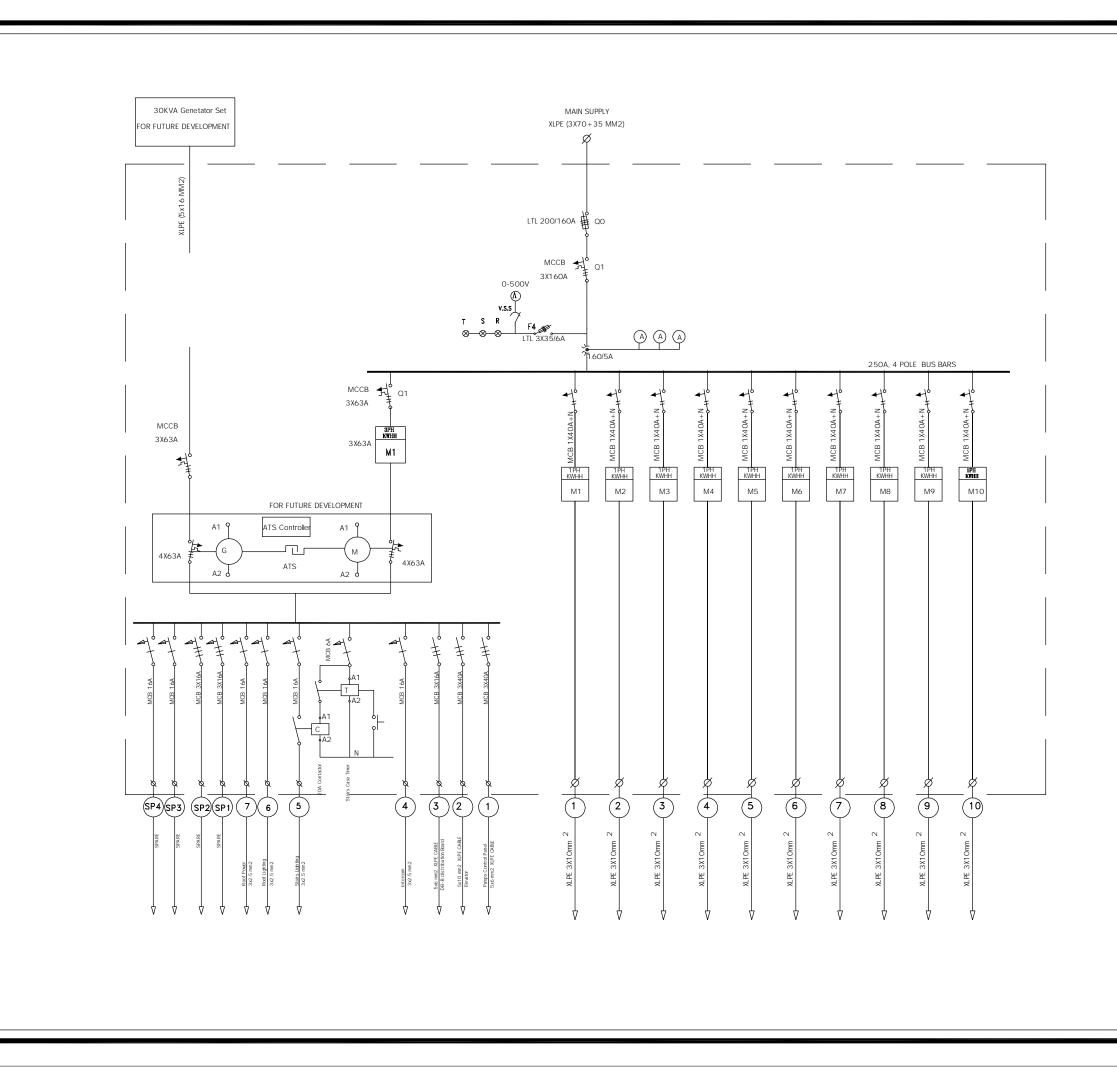


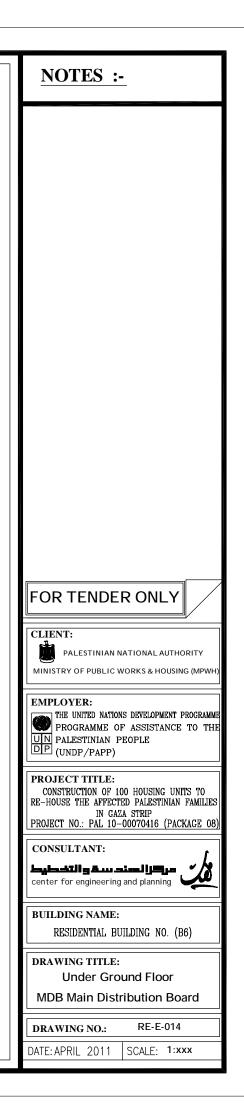


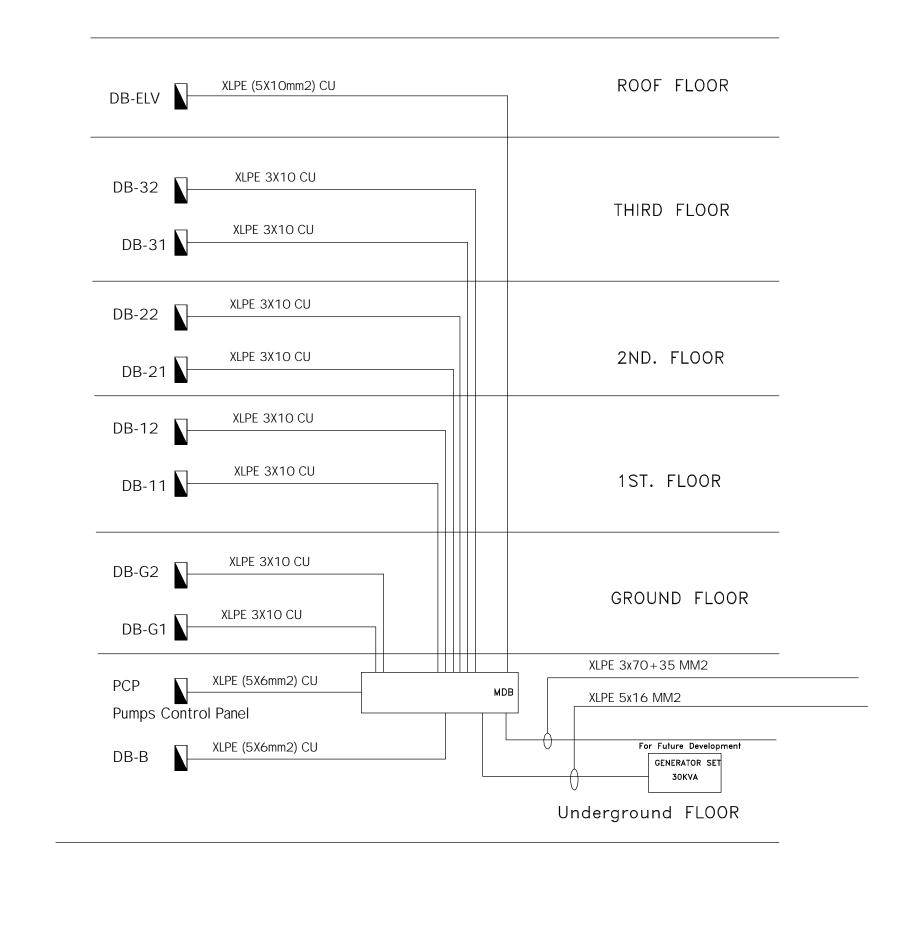


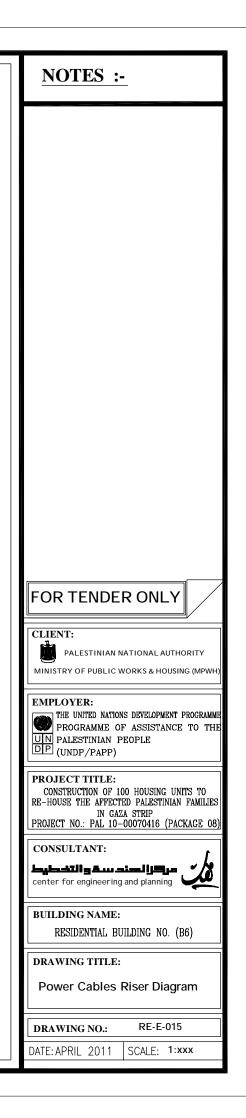


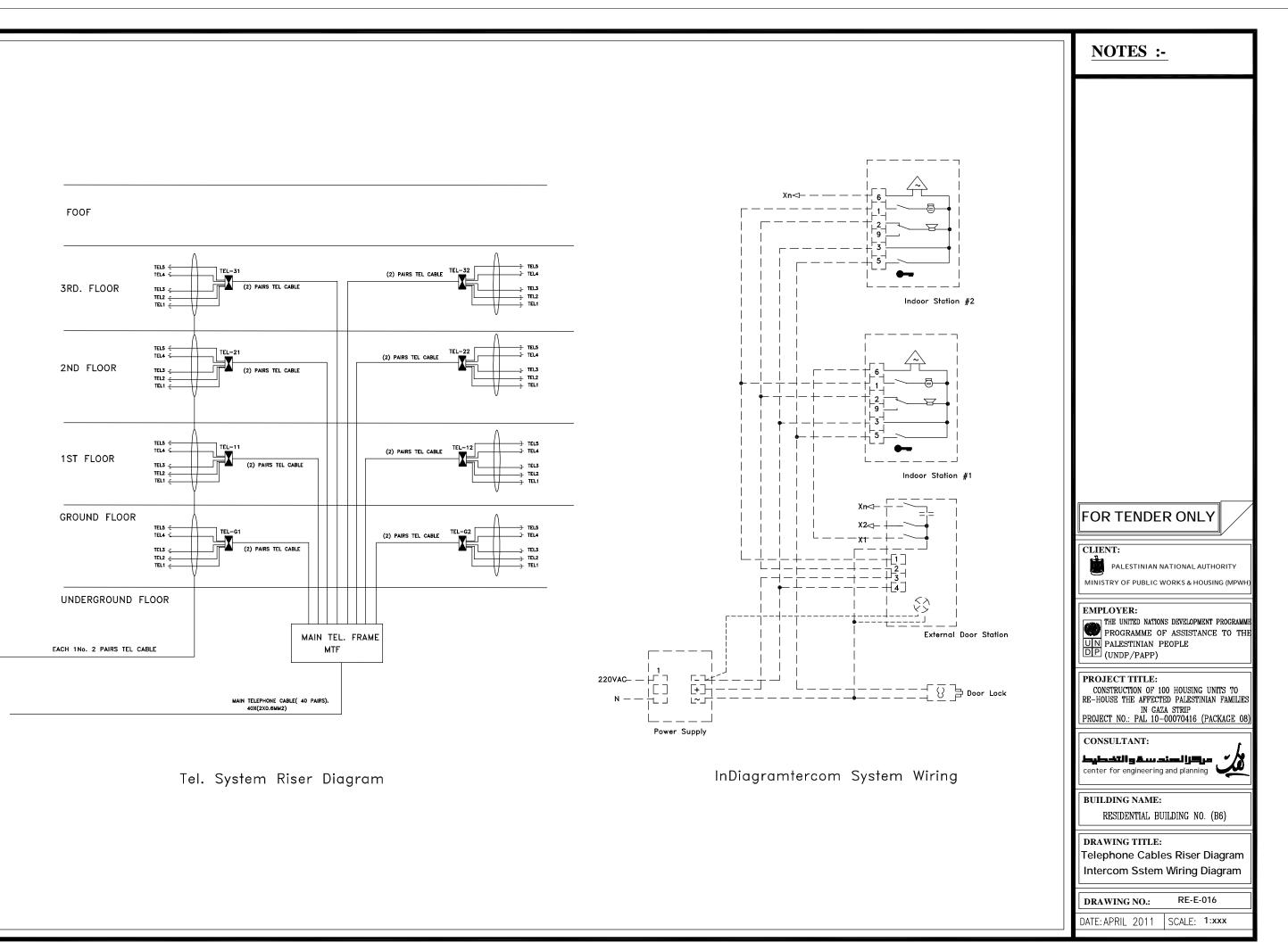


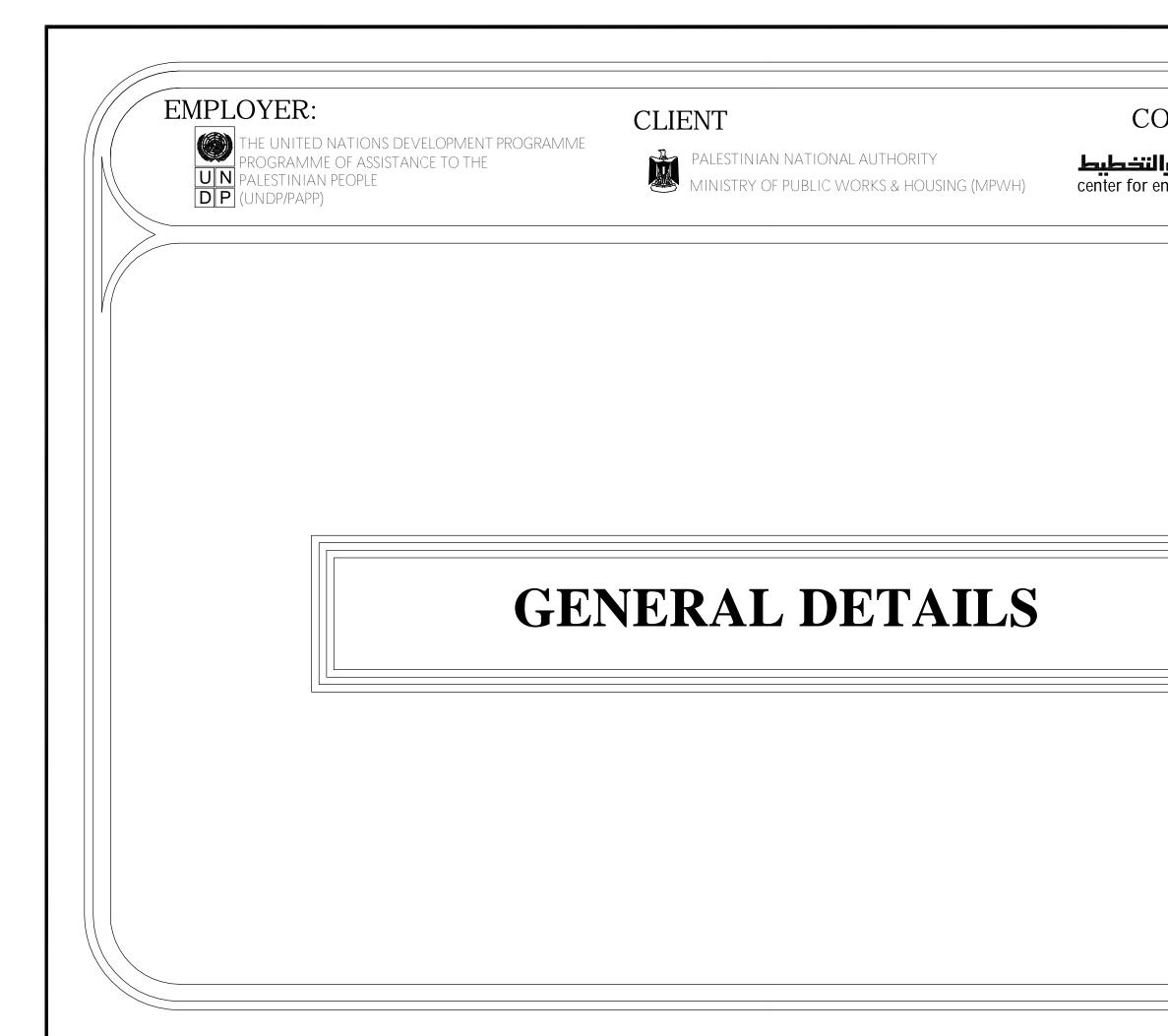


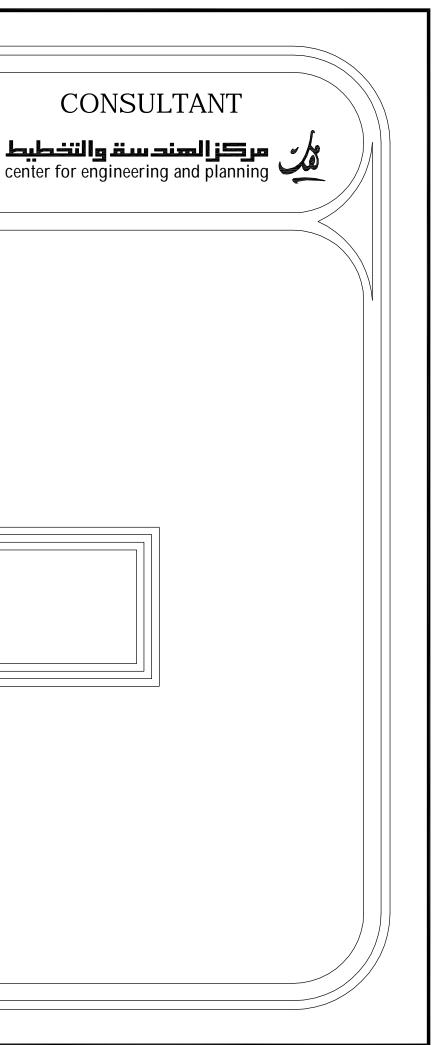












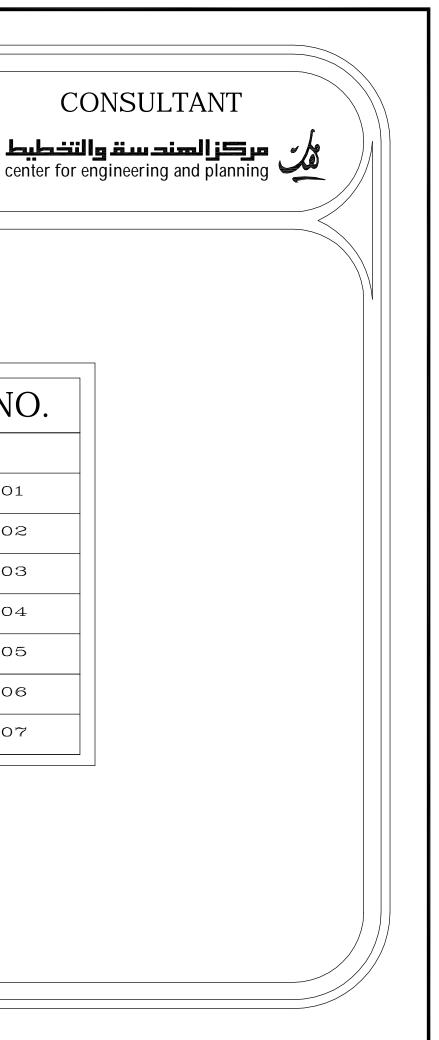


THE UNITED NATIONS DEVELOPMENT PROGRAMME PROGRAMME OF ASSISTANCE TO THE PALESTINIAN PEOPLE DP (UNDP/PAPP)

CLIENT

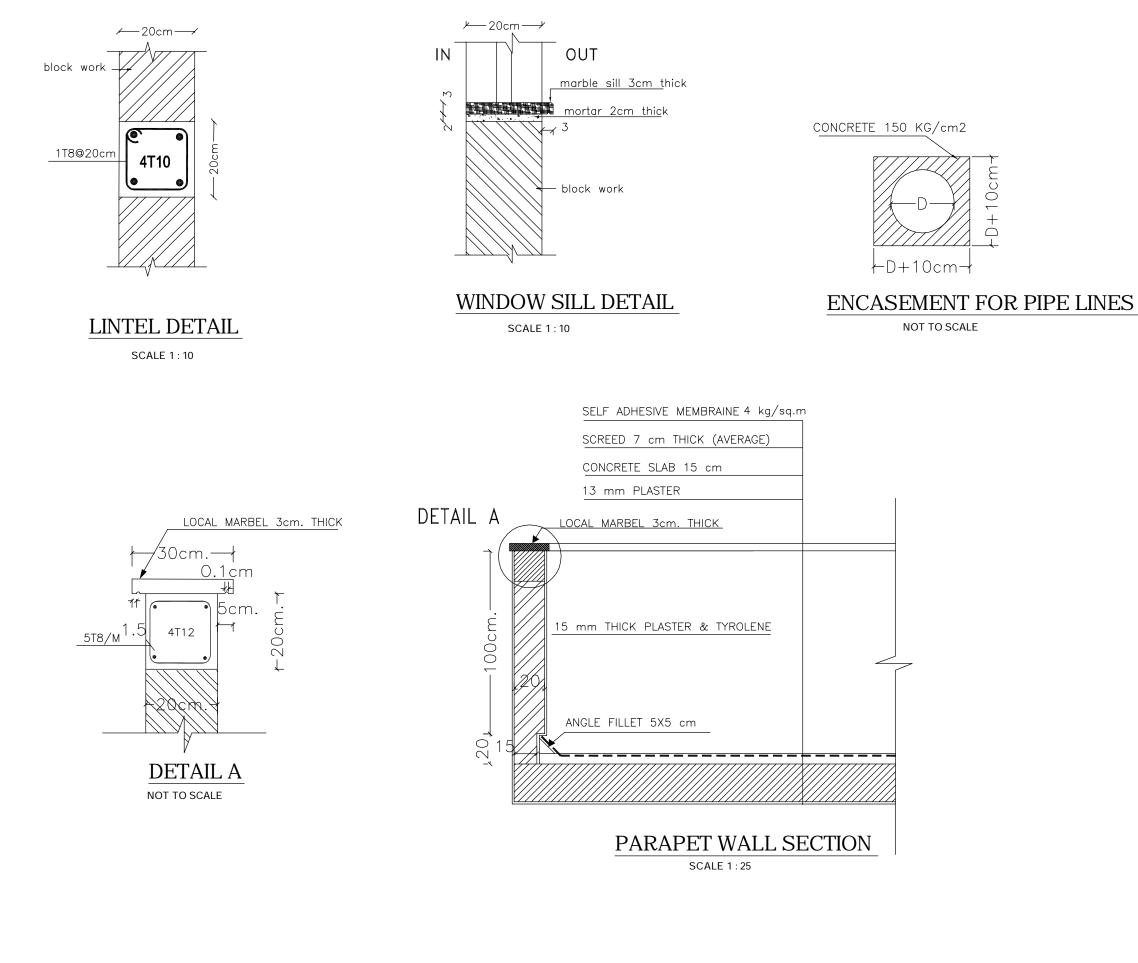


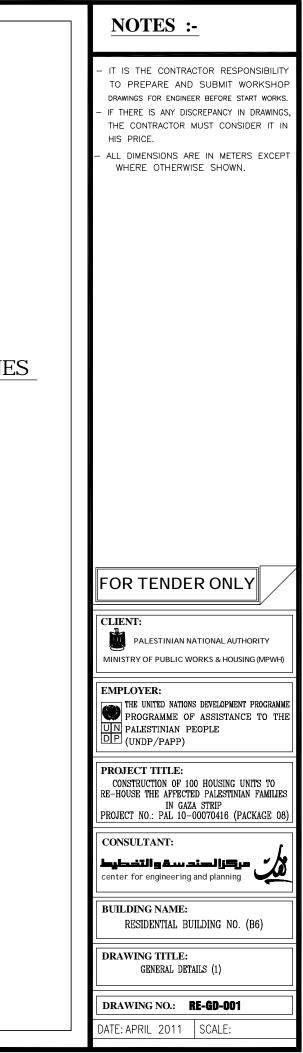
PALESTINIAN NATIONAL AUTHORITY MINISTRY OF PUBLIC WORKS & HOUSI MINISTRY OF PUBLIC WORKS & HOUSING (MPWH)

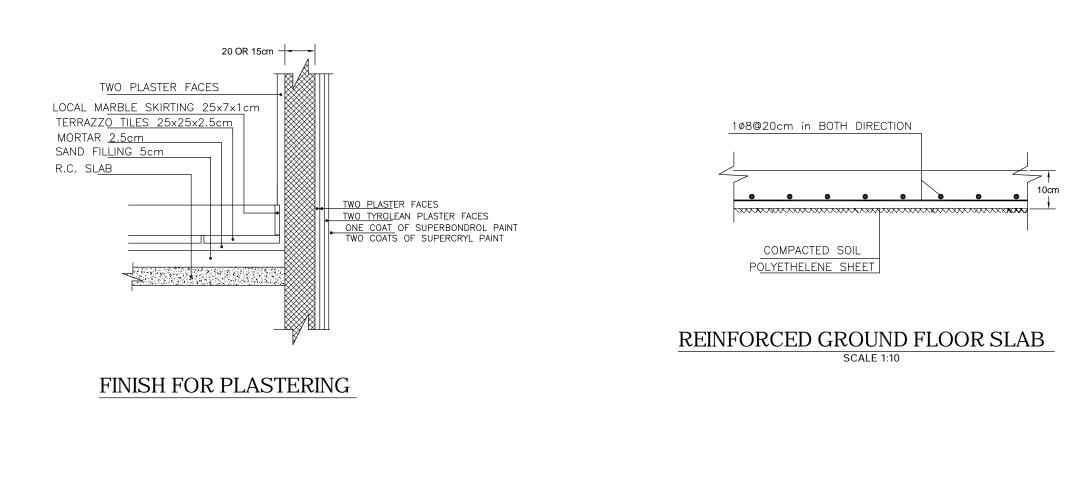


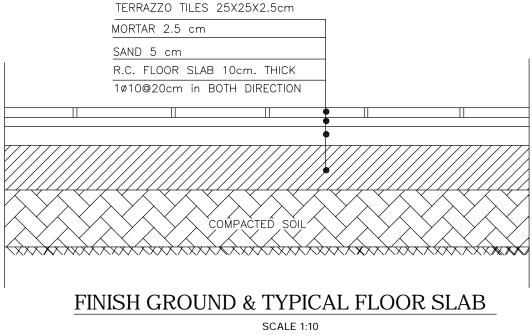
LIST OF DRAWINGS

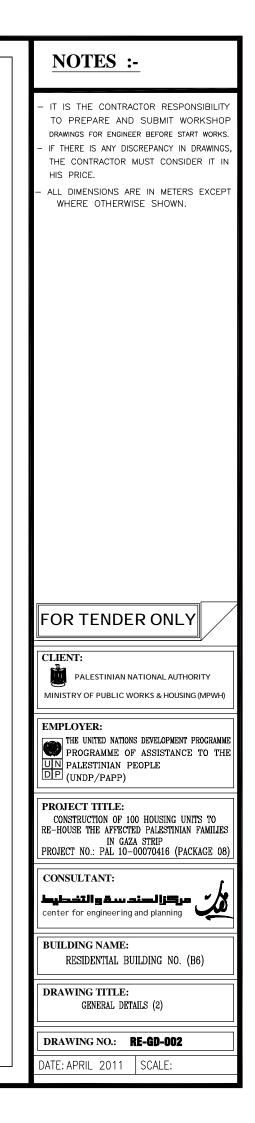
S/NO.	DRAWING NAME	DRG. NO.		
	GENERAL DETAILS			
01/07	GENERAL DETAILS (1)	RE-GD-001		
02/07	GENERAL DETAILS (2)	RE-GD-002		
03/07	GENERAL DETAILS (3)	RE-GD-003		
04/07	GENERAL DETAILS (4)	RE-GD-004		
05/07	GENERAL DETAILS (5)	RE-GD-005		
06/07	GENERAL DETAILS (6)	RE-GD-006		
07/07	GENERAL DETAILS (7)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

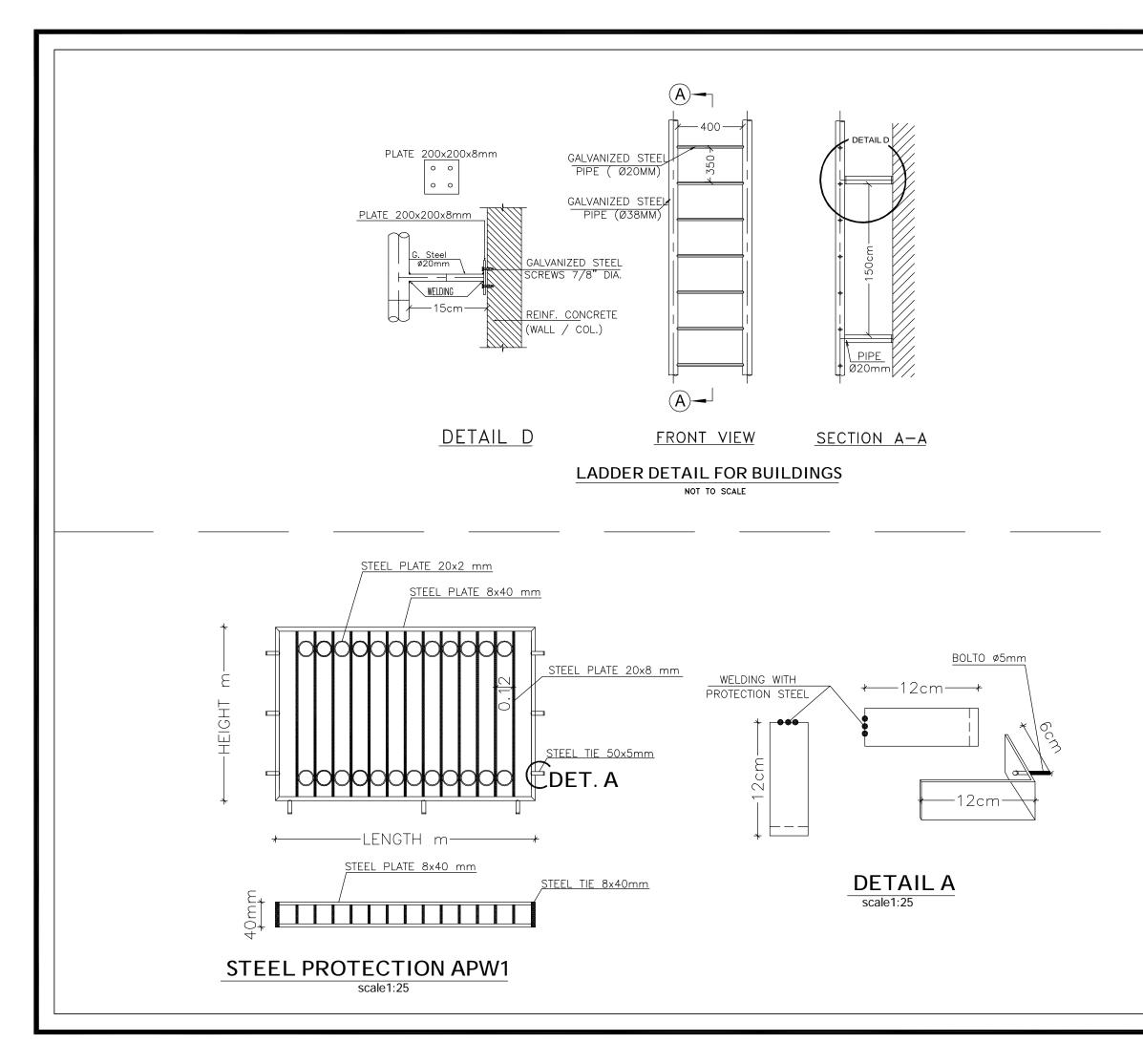


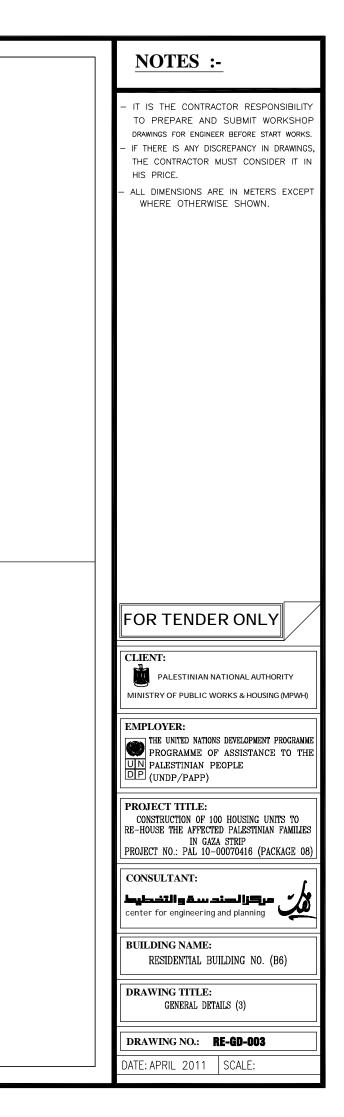


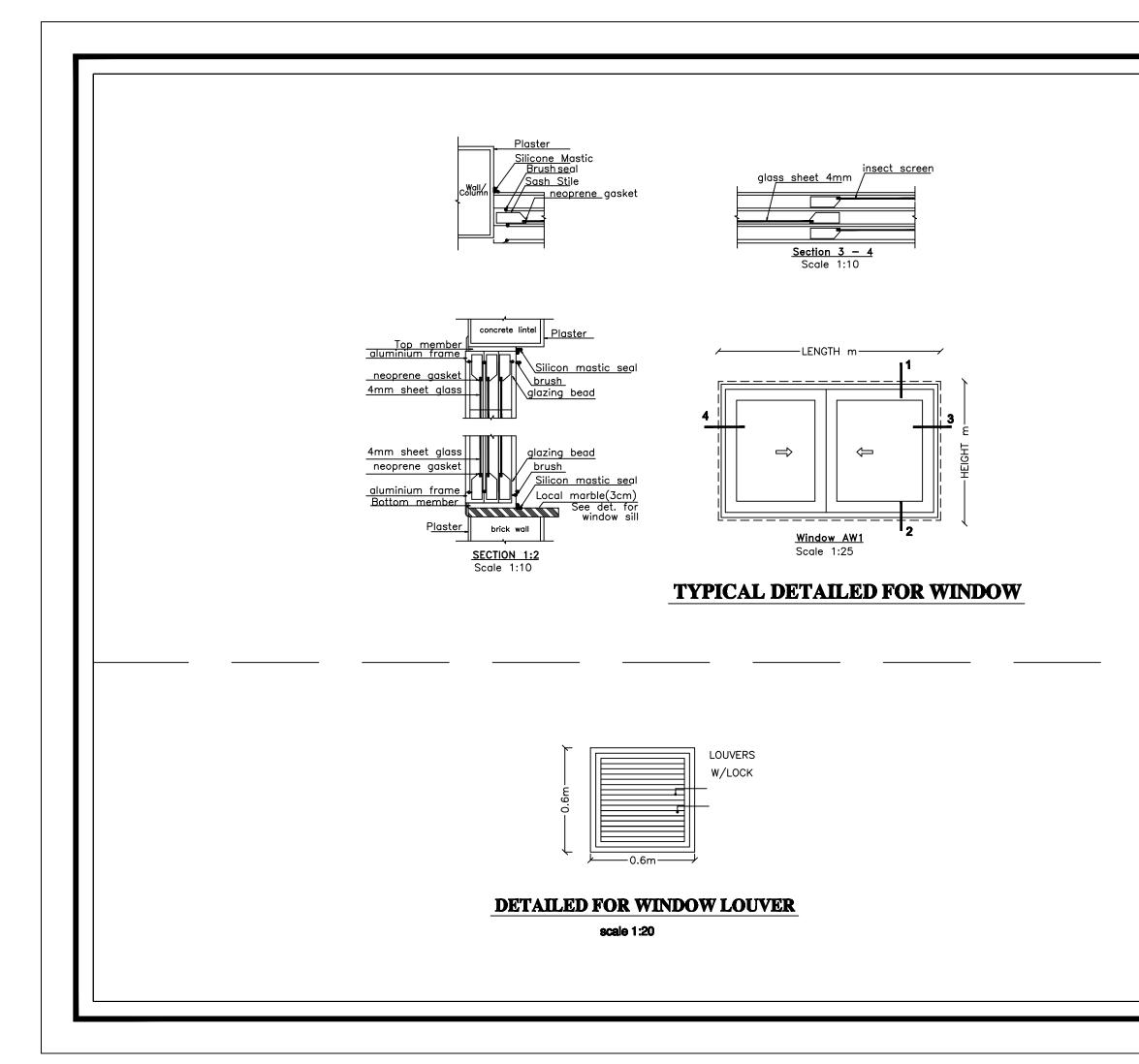


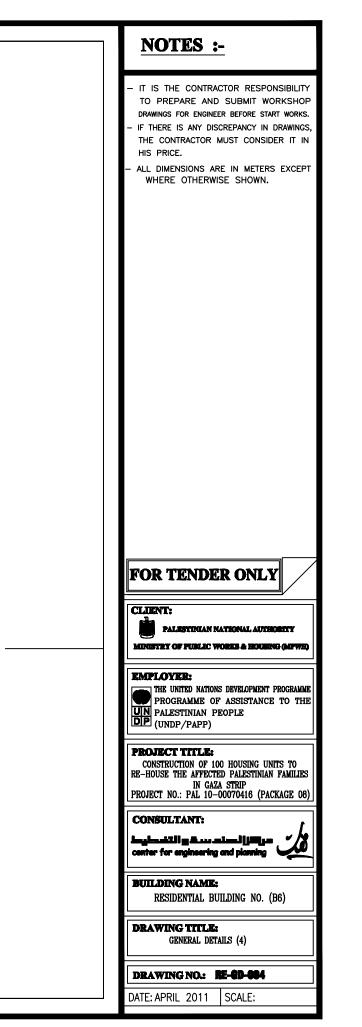


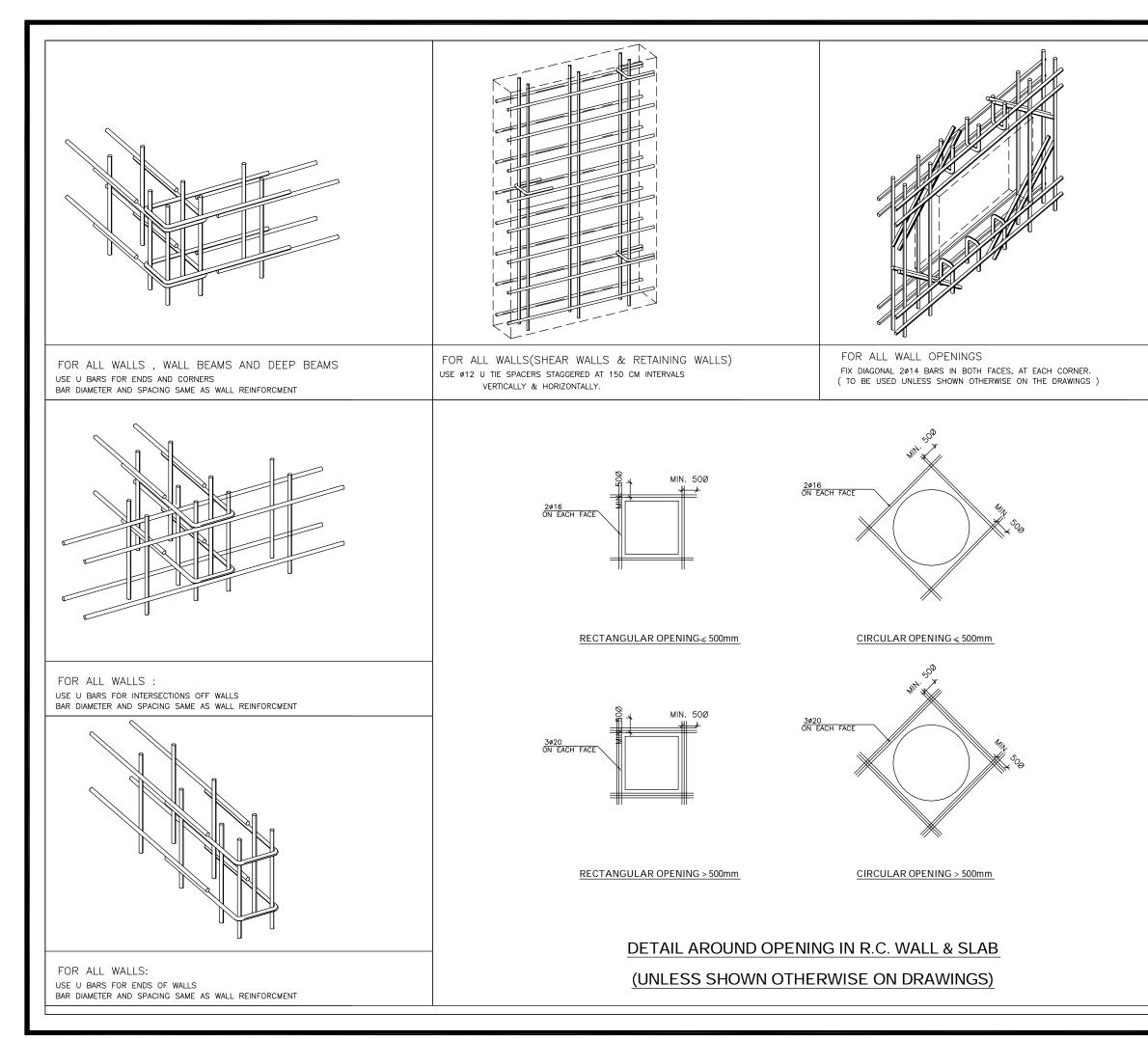


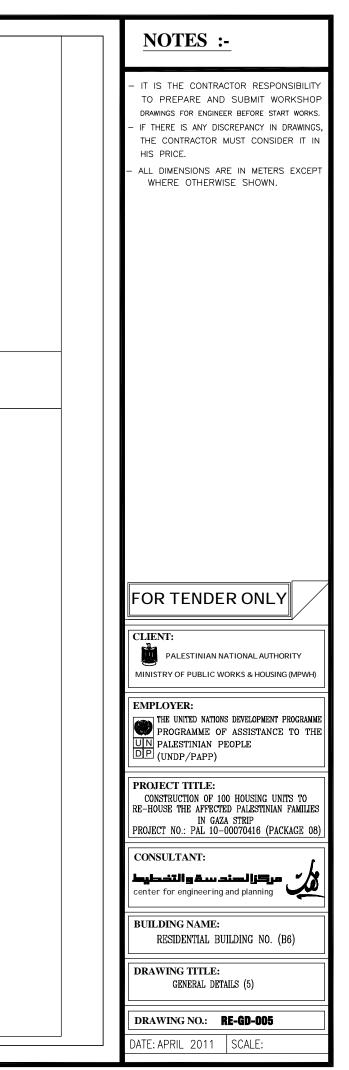












LINTELS DETAILS.

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		

