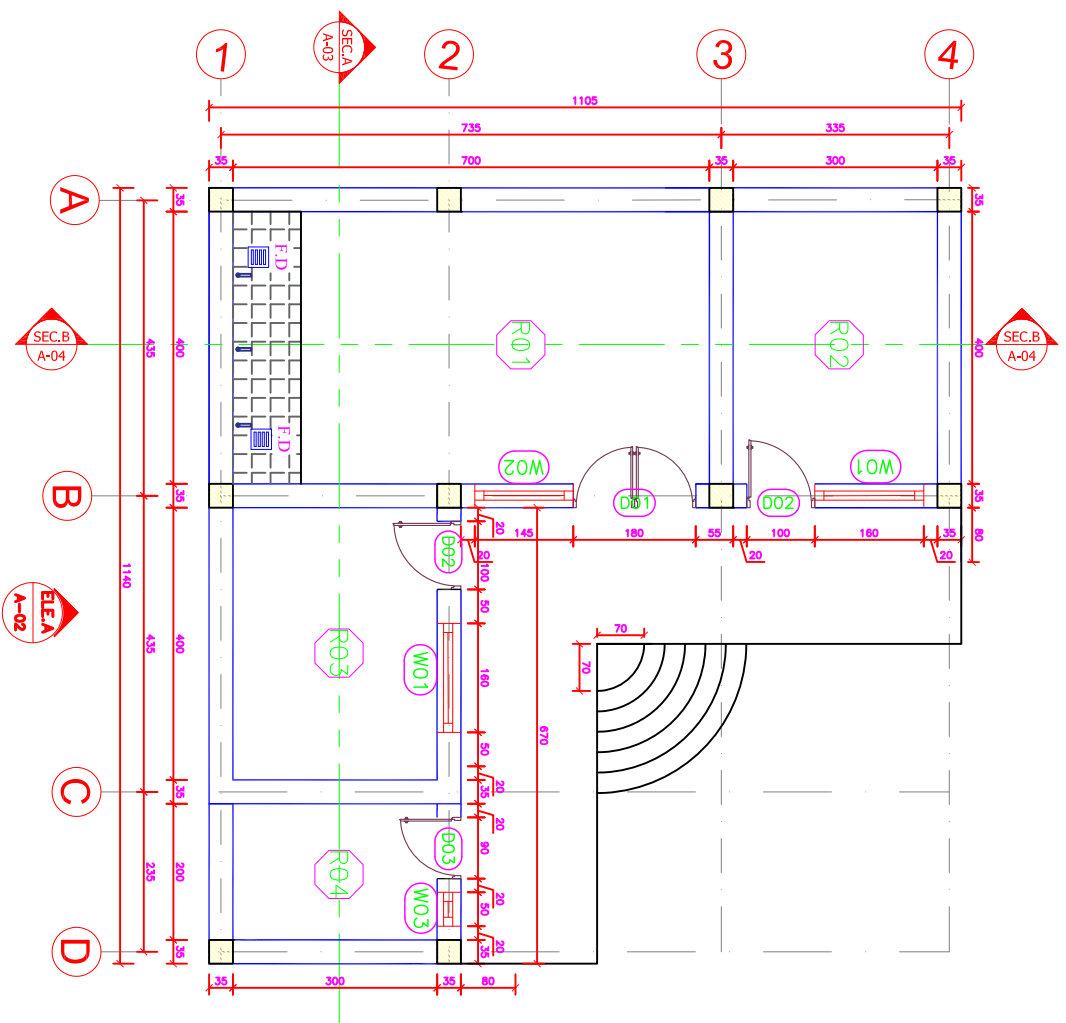


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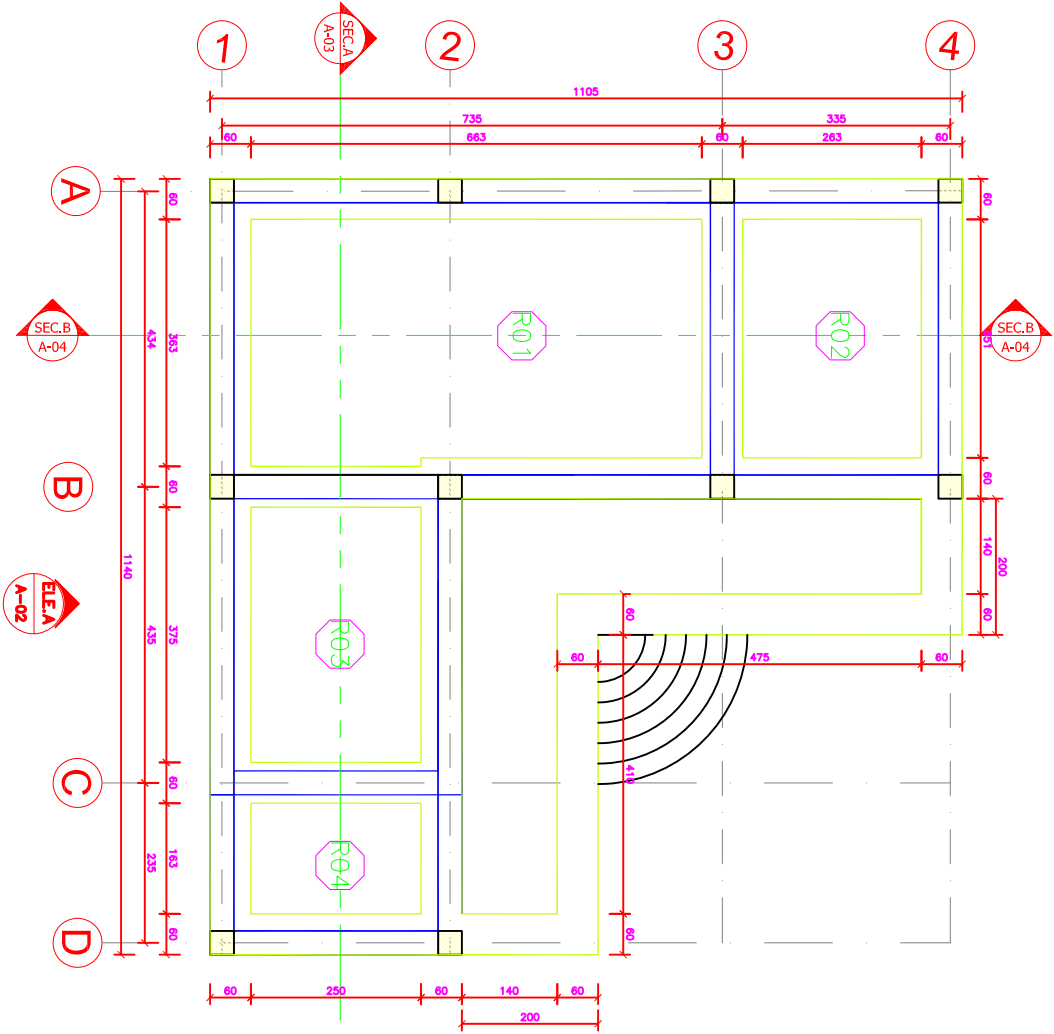


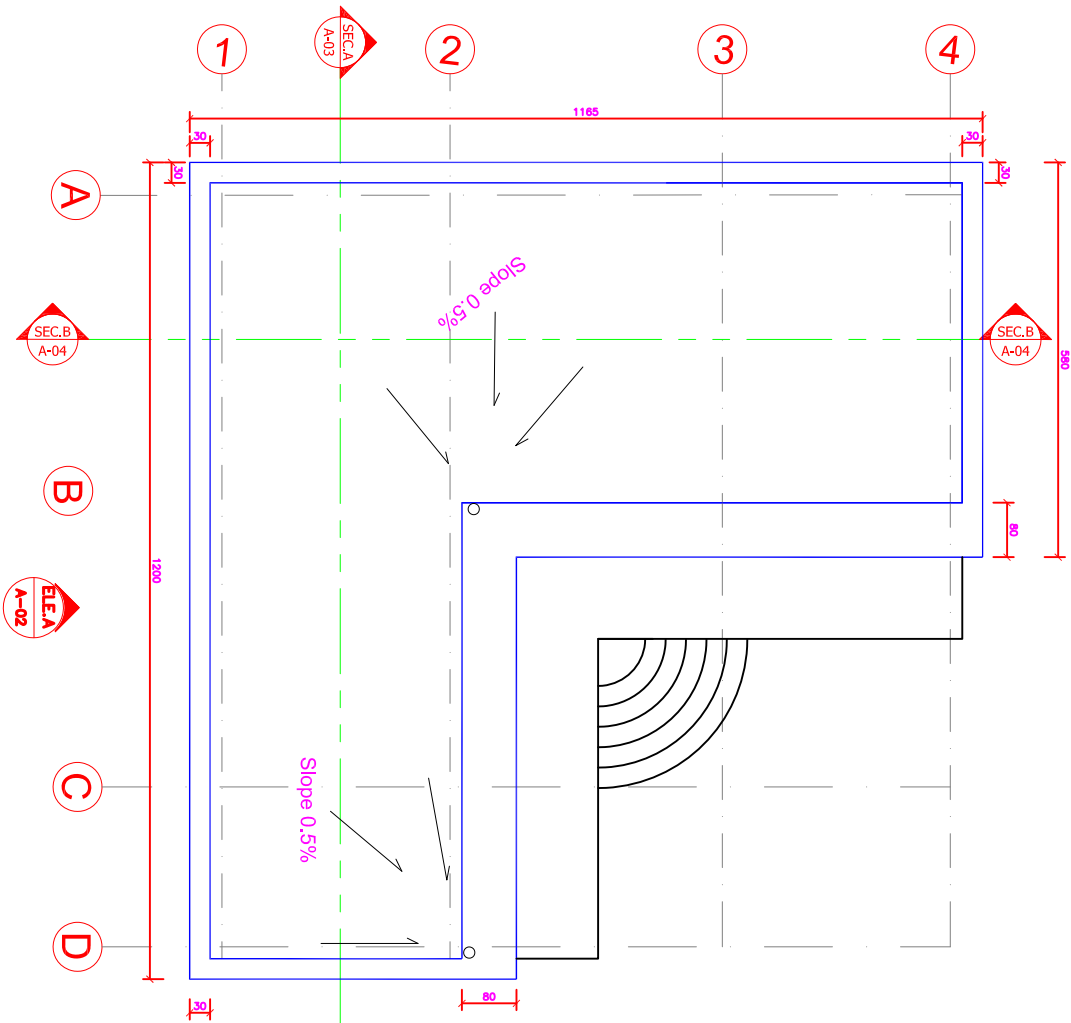
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F02	Administrative Room (300x400)cm	D02	(100x250)cm
F03	Laboratory Room (300x400)cm	D03	(90x250)cm
F04	Tobacco Room (300x200)cm	D04	(160x140)cm
		D02	(145x140)cm
		D03	(50x50)cm

FOUNDATION PLAN

REF

SCALE NTS





ROOF PLAN

REF

SCALE NTS

SURVEYED BY
DRAWN BY
DESIGNED BY

ENG.WAHEDIULLAH SULTANI
ENG.WAHEDIULLAH SULTANI
ENG.WAHEDIULLAH SULTANI

CHECKED BY
REVIEWED BY
APPROVED BY

ENG.NESAR AHMAD HADARY
ENG. POYA
KHASHI

PROVINCE
DISTRICT
VILLAGE

KAPISA
MIRJAB

SCALE
SURVEY DATE
DESIGN DATE

H.V.TORT





PROJECT NAME:
DAIRY PROCESSING CENTER
DRAWING TITLE:
ROOF PLAN

SHEET NO
3
6

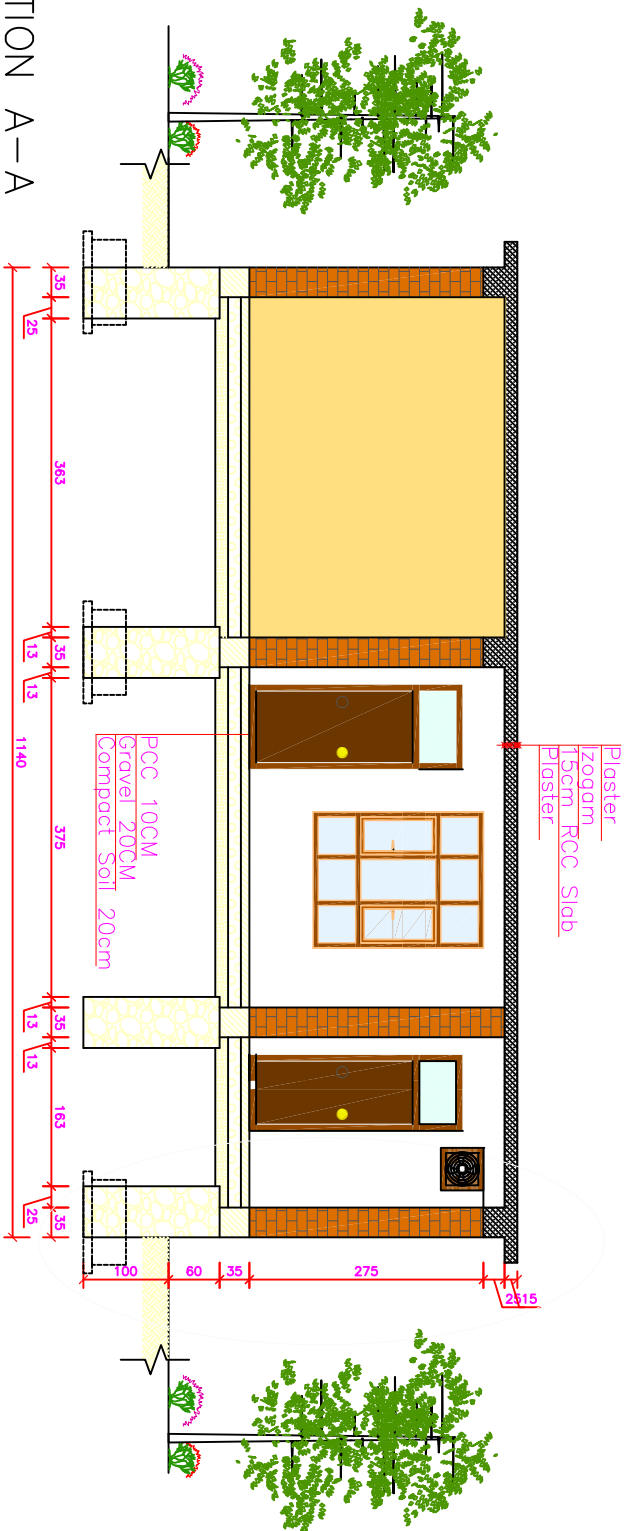


AFGHANISTAN
CARE International
AADP 2.0 Project
Kapisa

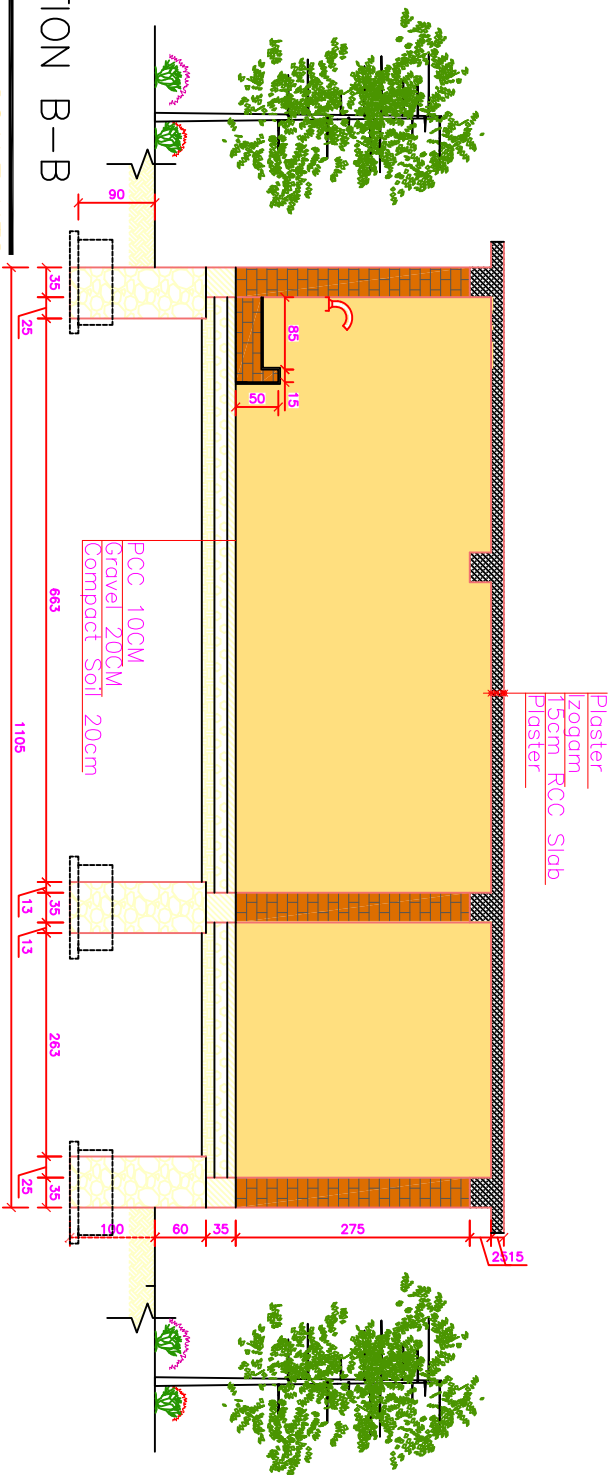


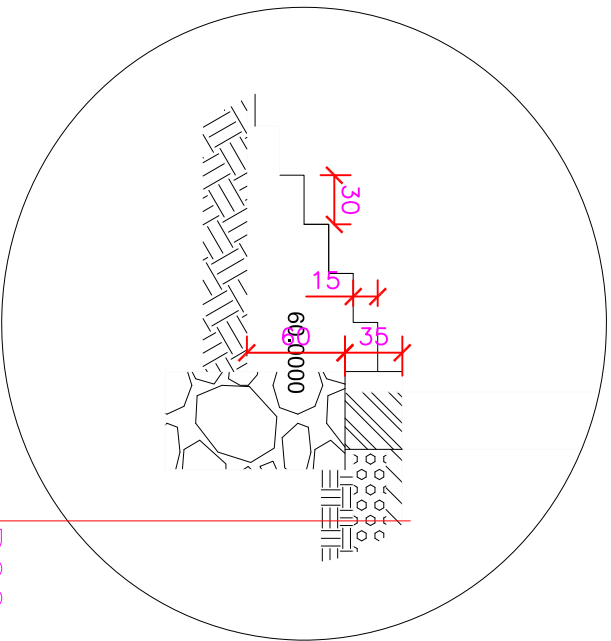
SURVEYED BY	ENG. MAHEEDULLAH SULTANI	CHECKED BY	ENG. MESAR AHMAD HADARY	PROVINCE	KAPISA	SCALE	H.V./TOFT	PROJECT NAME: DAIRY PROCESSING CENTER
DRAWN BY	ENG. MAHEEDULLAH SULTANI	REVIEWED BY	ENG. POYA	DISTRICT	MARAB	SURVEY DATE		
DESIGNED BY	ENG. MAHEEDULLAH SULTANI	APPROVED BY	KHASHI	VILLAGE		DESIGN DATE		DRAWING TITLE: SECTIONS A-A & B-B
SHEET NO								   

SECTION A-A



SECTION B-B





07 DETAIL -B

REF

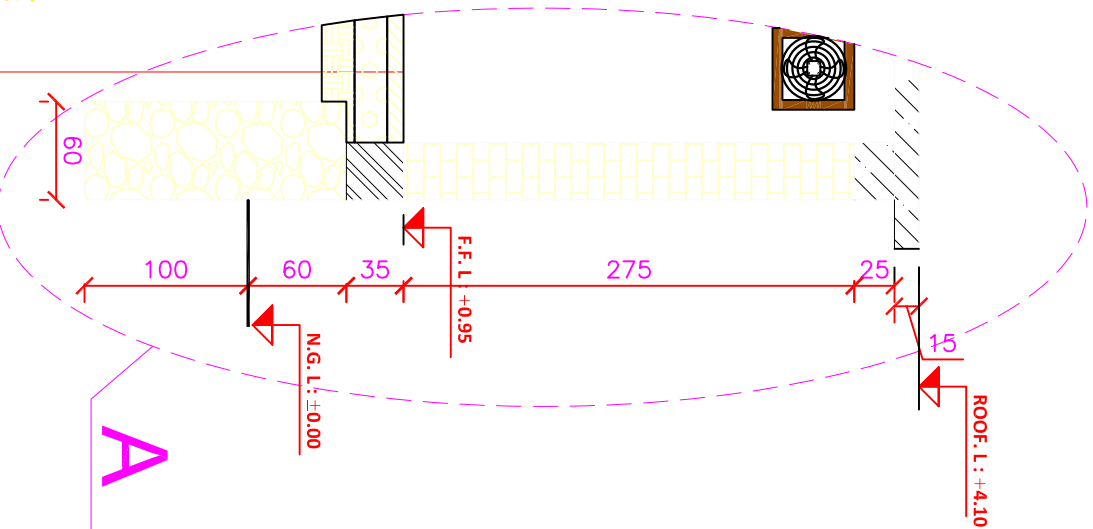
SCALE NTS

PCC 10CM
Gravel 20CM
Compact Soil 20cm

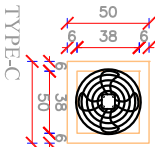
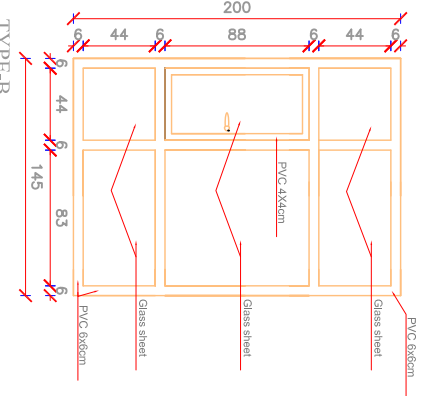
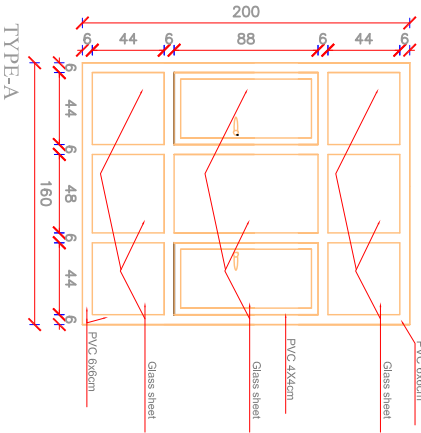
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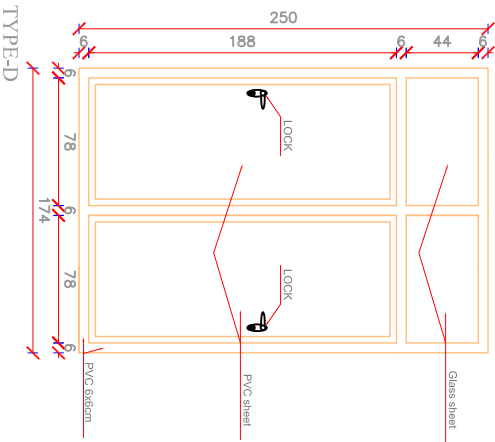
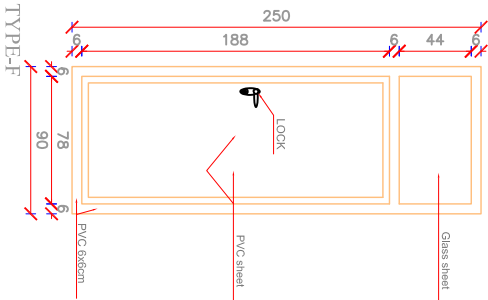
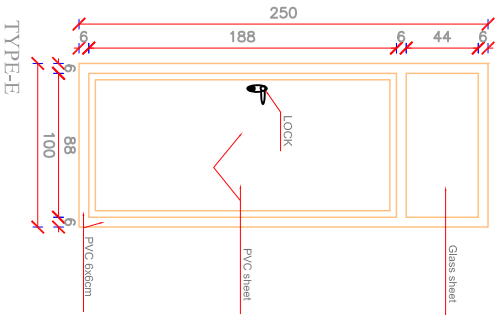
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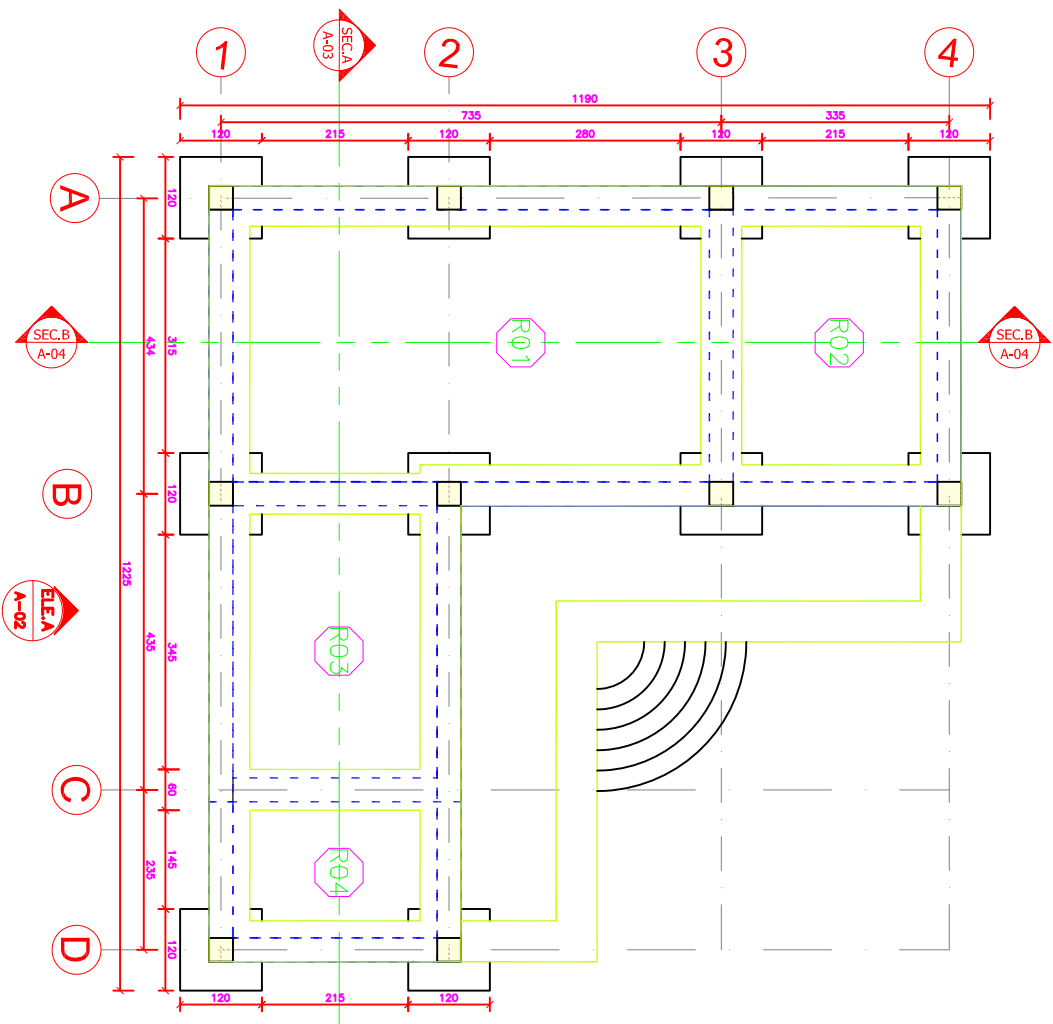


PCC 10CM
Gravel 20CM
Compact Soil 20cm



DOORS AND WINDOW SCHEDULE							
WINDOWS							
NO	LOCATION	TYPE	MATE	WIDTH	HEIGHT	THICK	NO
FIRST FLOOR							
W01	ROOM R(2.3)	A	PVC	160	200	6	2
W02	ROOM R(1)	B	PVC	145	200	6	1
W03	ROOM R(4)	C	PVC	50	50	6	1
DOORS							
D01	ROOM R(1)	D	PVC	174	250	6	1
D02	ROOM R(2.3)	E	PVC	100	250	6	2
D03	ROOM R(4.5)	F	PVC	90	250	6	1





FOUNDATION PLAN

REF

SCALE NTS



SURVEYED BY	ENG.WAHIEDULLAH SULTANI
DRAWN BY	ENG.WAHIEDULLAH SULTANI
DESIGNED BY	ENG.WAHIEDULLAH SULTANI

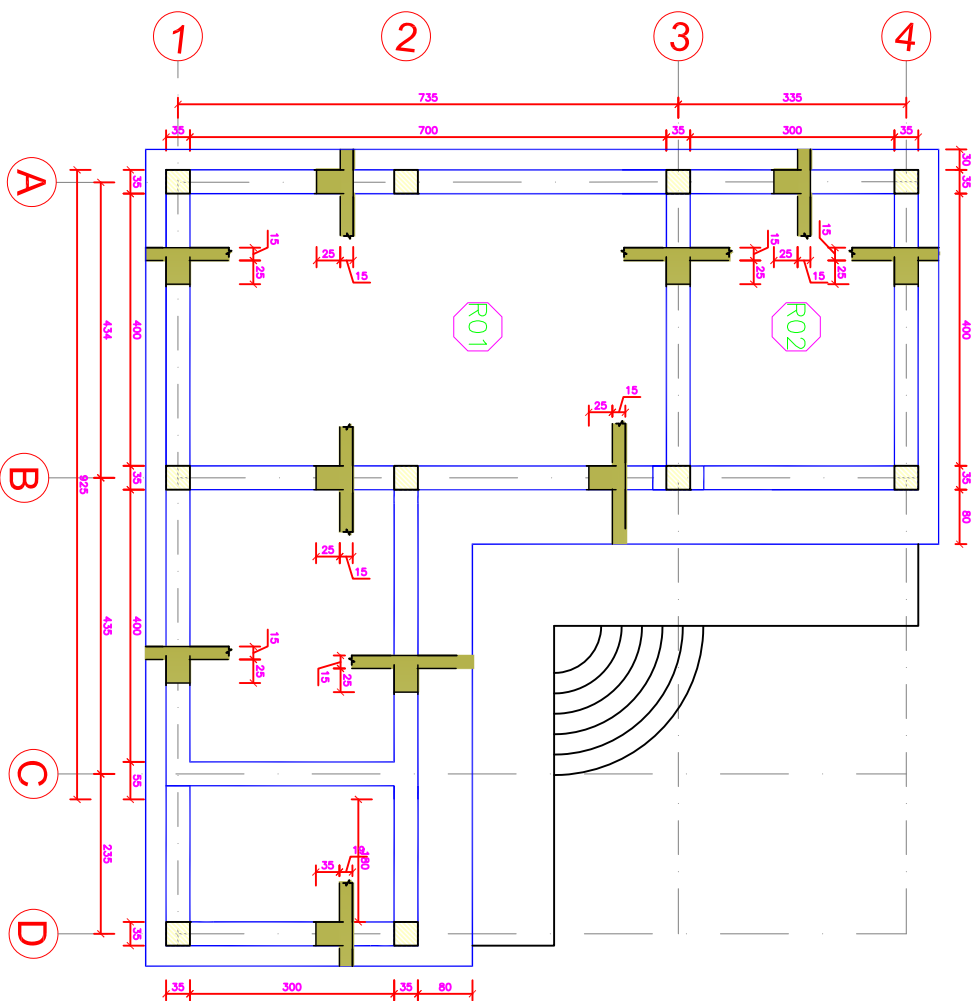
CHECKED BY	ENG.NESAR AHMAD HADARY
REVIEWED BY	ENG. POYA
APPROVED BY	KHASHI

PROVINCE	KAPISA
DISTRICT	MURGAB
VILLAGE	
SCALE	
H.V TOHT	

PROJECT NAME:	DARY PROCESSING CENTER
DRAWING TITLE:	FOUNDATION PLAN

SUPERVIEWED BY	ENG. WAHEEDULLAH SULTANI	CHECKED BY	ENG. NESAR AHMAD HADARY	PROVINCE	KAPISA	SCALE	H.Y. TOHT	PROJECT NAME: DAIRY PROCESSING CENTER	
DRAWN BY	ENG. WAHEEDULLAH SULTANI	REVIEWED BY	ENG. POYA	DISTRICT	MIRAB	SURVEY DATE			
DESIGNED BY	ENG. WAHEEDULLAH SULTANI	APPROVED BY	KHASHI	VILLAGE		DESIGN DATE		DRAWING TITLE: SHATTERING PLAN	
									SHEET NO
									

SHATTERING PLAN





SURVEYED BY
DRAWN BY
DESIGNED BY

ENG. WAHEDULLAH SULTANI
ENG. WAHEDULLAH SULTANI
ENG. WAHEDULLAH SULTANI

CHECKED BY
REVIEWED BY
APPROVED BY

ENG. NESAR AHMAD HADARY
ENG. POYA
KHAISHI

PROVINCE
DISTRICT
VILLAGE

KAPISA
MURAB

SCALE
SURVEY DATE
DESIGN DATE

H.V. TOFT

PROJECT NAME:
DAIRY PROCESSING CENTER

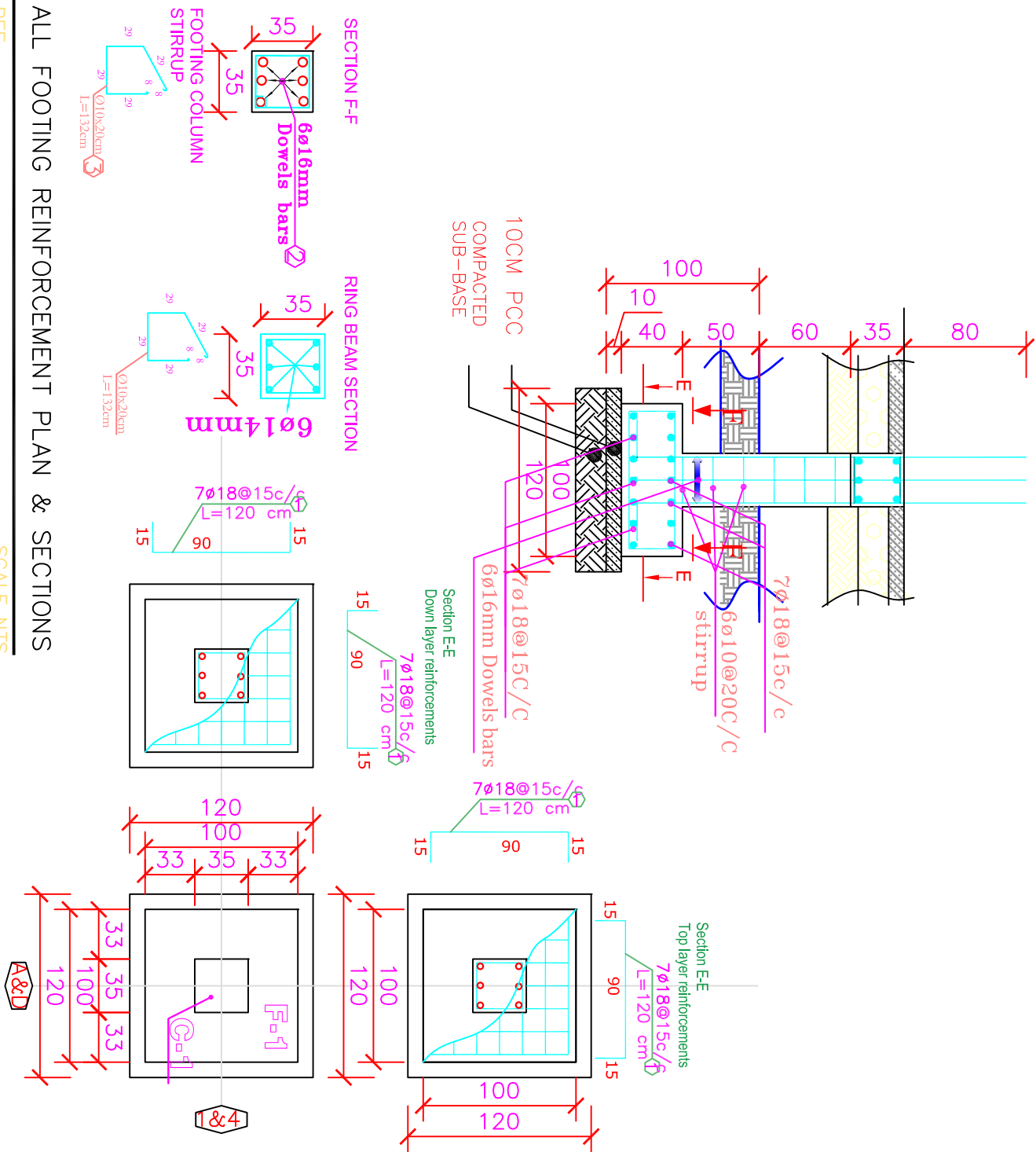
DRAWING TITLE:
ALL FOOTING REINFORCEMENT PLAN & SECTIONS

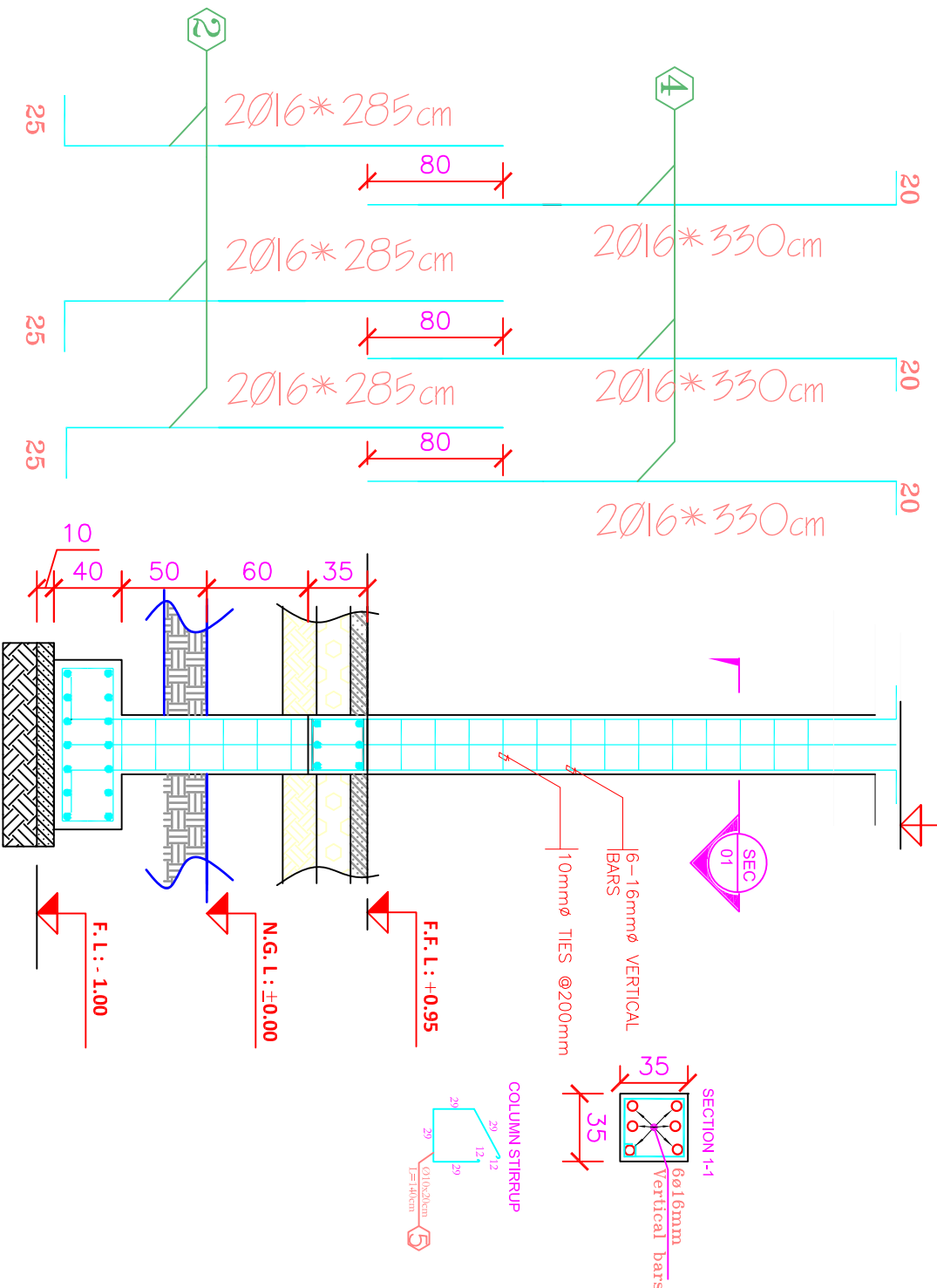
SHEET NO
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8

REF

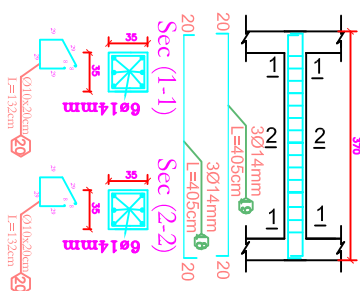
SCALE NTS

ALL FOOTING REINFORCEMENT PLAN & SECTIONS

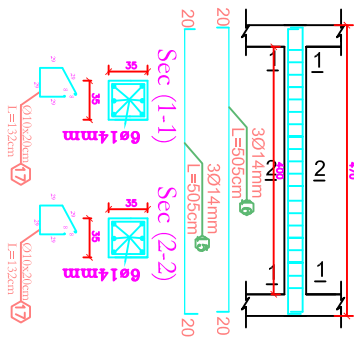




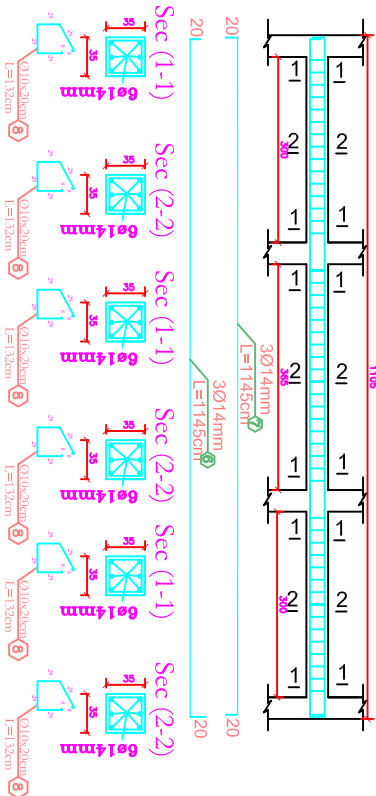
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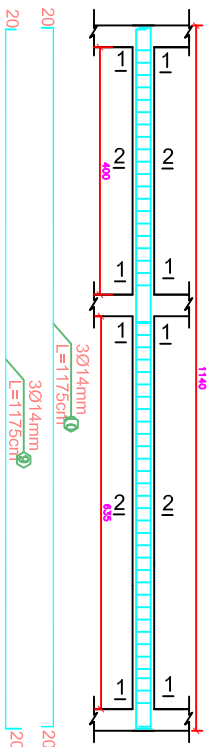
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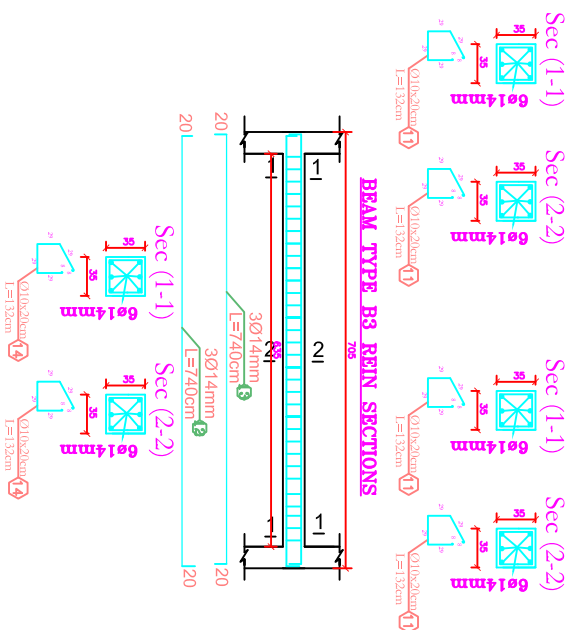
BEAM TYPE B1 REIN SECTIONS



BEAM TYPE B2 REIN SECTIONS



BEAM TYPE B3 REIN SECTIONS



RING BEAM REINFORCEMENT PLAN & SECTIONS

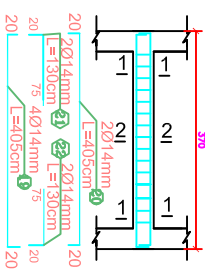
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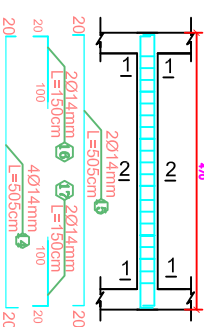


3Ø14mm, L=165cm

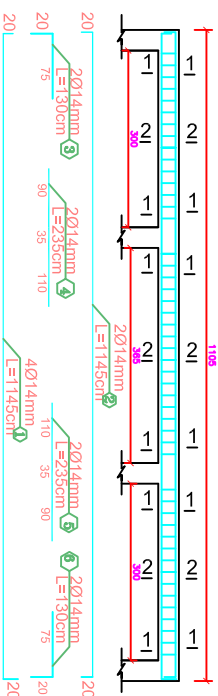
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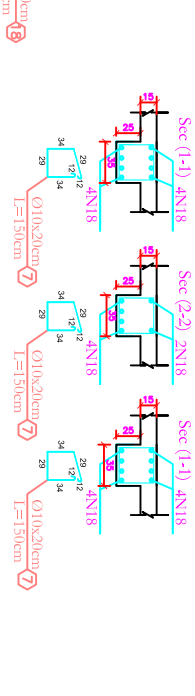
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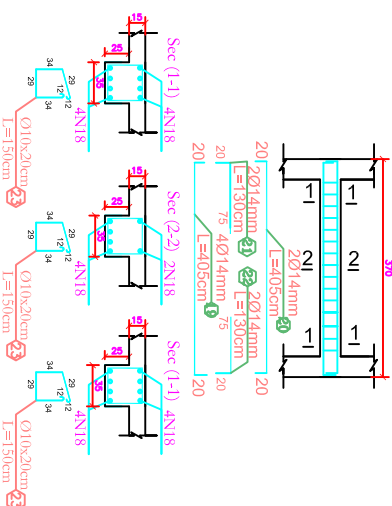
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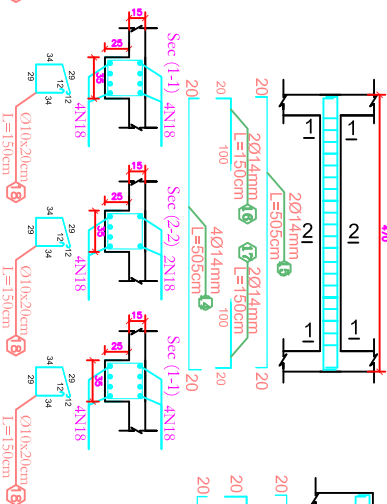
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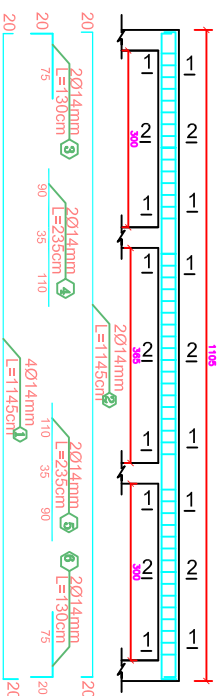
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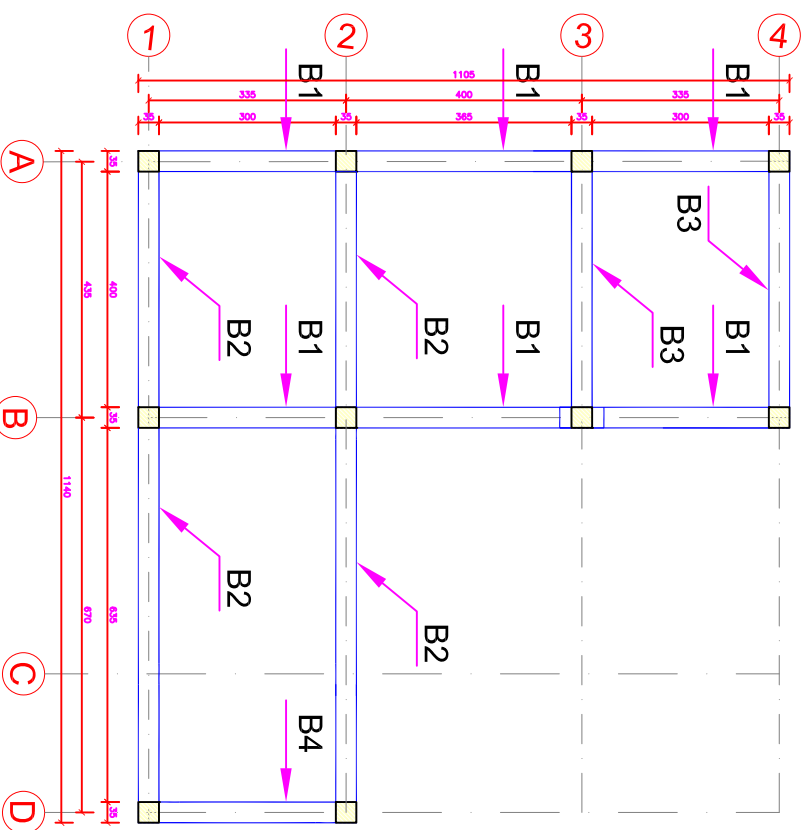
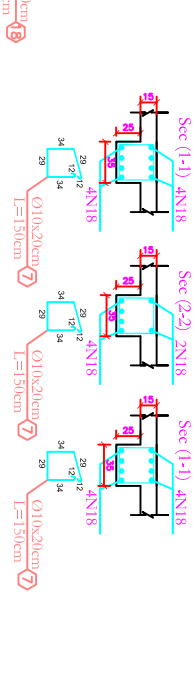
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BEAM TYPE B1 REIN SECTIONS



BEAM TYPE B2 REIN SECTIONS

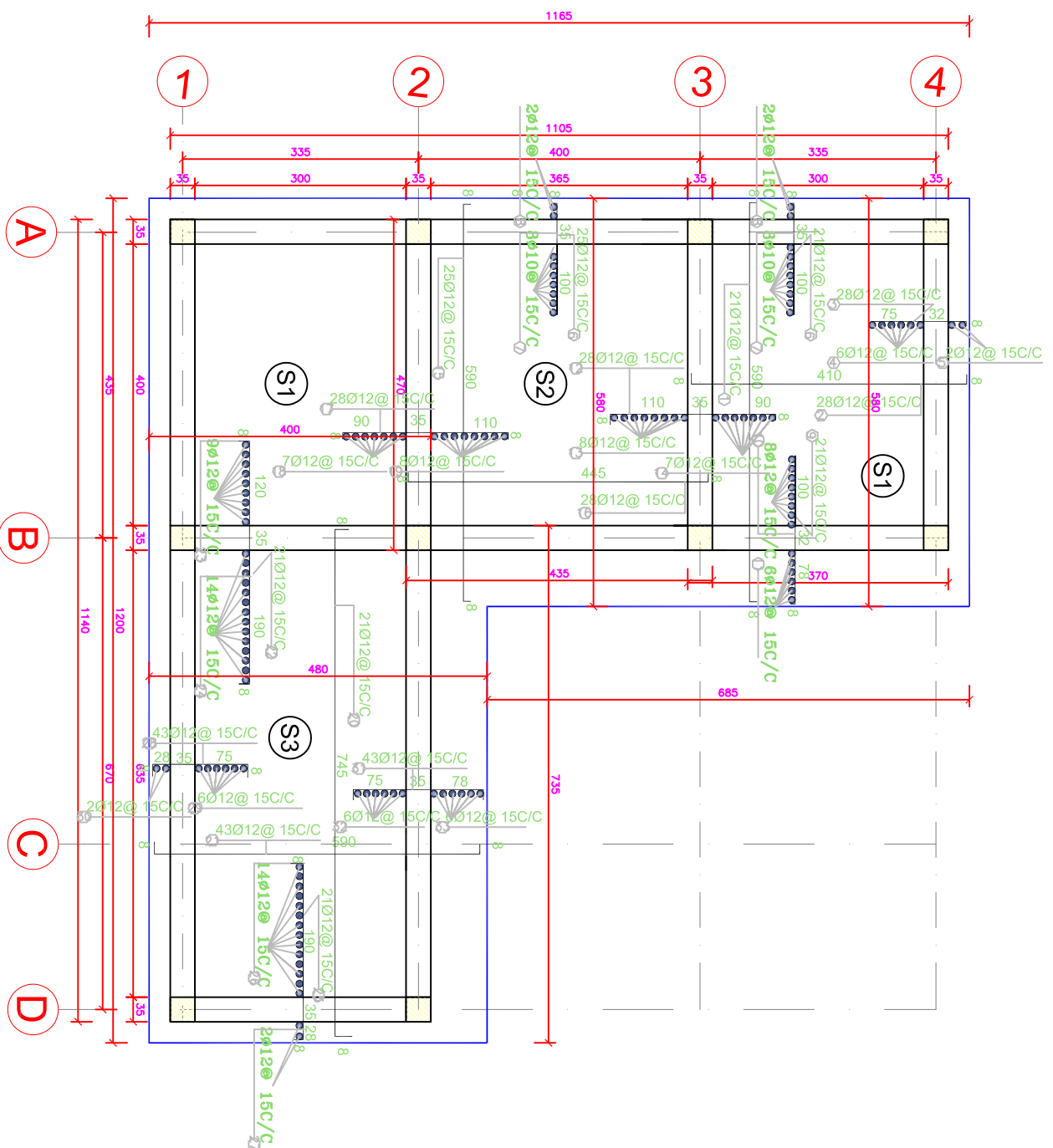


BEAM REINFORCEMENT PLAN AND SECTIONS

REF

SCALE NTS

SCALENTS



STEEL BARS TABLE											
Bar Nominatio n Number (#)	Bar Location	Bar Dia (mm)	Num of Bar	No of MEMBER	Length (m)	Spacing	Total Length	Weight (kg/m)	Total Weight (kg)	Total Weight +5%(kg)	Shape of Bar
1	FOOTING	18	28	10	1.2	15cm	336.00	1.998	671.3	704.90	
2	DOWELS BAR	16	6	10	2.85		79.20	1.579	125.0	131.28	
3	STRIRUP	10	6	10	1.32	20cm	79.20	0.617	48.8	51.28	
4	COLUMN BARS	16	6	10	3.3		198.00	1.579	312.6	328.21	
5	Column Stirrup	10	14	10	1.4	20cm	196.00	0.617	120.9	126.91	
6	Ring Beam B1	14	3	2	11.45		68.70	1.209	83.0	87.19	
7	Ring Beam B1	14	3	2	11.45		68.70	1.209	83.0	87.19	
8	ring beam stirrup	10	50	2	1.32	20cm	132.00	0.617	81.4	85.47	
9	Ring Beam B2	14	3	1	11.75		35.25	1.209	42.6	44.74	
10	Ring Beam B2	14	3	1	11.75		35.25	1.209	42.6	44.74	
11	ring beam stirrup	10	52	1	1.32	20cm	68.64	0.617	42.3	44.44	
12	Ring Beam B3	14	3	1	7.4		22.20	1.209	26.8	28.17	
13	Ring Beam B3	14	3	1	7.4		22.20	1.209	26.8	28.17	
14	ring beam stirrup	10	33	1	1.32	20cm	43.56	0.617	26.9	28.21	
15	Ring Beam B4	14	3	2	5.05		30.30	1.209	36.6	38.45	
16	Ring Beam B4	14	3	2	5.05		30.30	1.209	36.6	38.45	
17	ring beam stirrup	10	21	2	1.32	20cm	55.44	0.617	34.2	35.90	
18	Ring Beam B5	14	3	1	4.05		12.15	1.209	14.7	15.42	
19	Ring Beam B5	14	3	1	4.05		12.15	1.209	14.7	15.42	
20	ring beam stirrup	10	16	1	1.32	20cm	21.12	0.617	13.0	13.68	
Total Weight of 18mm										704.90	
Total Weight of 16mm										459.49	
Total Weight of 14mm										427.94	
Total Weight of 10mm										385.88	
Total Weight Drop Reinforcement										1884.01	
Total Weight of Reinforcement+5%										1978.21	

STEEL BARS TABLE										
Bar Nominatio n Number (#)	Bar Location	Bar Dia (mm)	Num of Bar	No of MEMBER	Length Spacing (m)	Total length	Weight (kg/m)	Total Weight (kg)	Total Weight +5%(kg)	Shape of Bar
1	SLAB	12	21	2	5.9	247.80	0.888	220.0	231.05	
2	SLAB	12	28	2	4.1	229.60	0.888	203.9	214.08	
3	SLAB	12	28	2	1.46	81.76	0.888	72.6	76.23	
4	SLAB	12	6	2	5.9	70.80	0.888	62.9	66.01	
5	SLAB	12	2	2	5.9	15cm	23.60	0.888	21.0	22.00
6	SLAB	12	67	2	1.7	227.80	0.888	202.3	212.40	
7	SLAB	12	8	1	11.75	94.00	0.888	83.5	87.65	
8	SLAB	12	2	1	11.75	23.50	0.888	20.9	21.91	
9	SLAB	12	21	2	2.2	92.40	0.888	82.1	86.15	
10	SLAB	12	8	1	11.75	94.00	0.888	83.5	87.65	
11	SLAB	12	2	1	7	14.00	0.888	12.4	13.05	
12	SLAB	12	28	1	2.5	70.00	0.888	62.2	65.27	
13	SLAB	12	8	1	5.9	47.20	0.888	41.9	44.01	
14	SLAB	12	7	1	5.9	41.30	0.888	36.7	38.51	
15	SLAB	12	25	1	5.9	147.50	0.888	131.0	137.53	
16	SLAB	12	28	1	4.45	124.60	0.888	110.6	116.18	
17	SLAB	12	28	1	2.5	70.00	0.888	62.2	65.27	
18	SLAB	12	7	1	4.8	33.60	0.888	29.8	31.33	
19	SLAB	12	8	1	4.8	38.40	0.888	34.1	35.80	
20	SLAB	12	21	1	7.75	162.75	0.888	144.5	151.75	
21	SLAB	12	43	1	5.9	253.70	0.888	225.3	236.55	
22	SLAB	12	21	1	3.6	75.60	0.888	67.1	70.49	
23	SLAB	12	1	1	4.1	4.10	0.888	3.6	3.82	
24	SLAB	12	14	1	4.9	68.60	0.888	60.9	63.96	
25	SLAB	12	21	1	2.6	54.60	0.888	48.5	50.91	
26	SLAB	12	14	1	4.9	68.60	0.888	60.9	63.96	
27	SLAB	12	2	1	4.9	9.80	0.888	8.7	9.14	
28	SLAB	12	43	1	1.54	66.22	0.888	58.8	61.74	
29	SLAB	12	6	1	12.1	72.60	0.888	64.5	67.69	
30	SLAB	12	2	1	12.1	24.20	0.888	21.5	22.56	
31	SLAB	12	43	1	2	15cm	86.00	0.888	76.4	80.19
32	SLAB	12	6	1	7.45	44.70	0.888	39.7	41.68	
33	SLAB	12	6	1	7.45	44.70	0.888	39.7	41.68	
Total Weight of 12mm										2408.14
Total Weight Drop Reinforcement										2287.73
Total Weight of Reinforcement+5%										2408.14

STEEL BARS TABLE											Shape of Bar
Bar Nominatio n Number (#)	Bar Location	Bar Dia (mm)	Num of Bar	No of MEMBER	Length (m)	Spacing	Total Length	Weight (kg/m)	Total Weight (kg)	Total Weight +5%(kg)	
1	Beam B1	14	4	2	11.45		91.60	1.209	110.7	116.25	
2	Beam B1	14	2	2	11.45		45.80	1.209	55.4	58.12	
3	Beam B1	14	2	2	1.3		5.20	1.209	6.3	6.60	
4	Beam B1	14	2	2	2.35		9.40	1.209	11.4	11.93	
5	Beam B1	14	2	2	2.35		9.40	1.209	11.4	11.93	
6	Beam B1	14	2	2	1.3		5.20	1.209	6.3	6.60	
7	beam stirrup	10	50	2	1.32	20cm	132.00	0.617	81.4	85.47	
8	Beam B2	14	4	2	11.75		94.00	1.209	113.6	119.30	
9	Beam B2	14	2	2	11.75		47.00	1.209	56.8	59.65	
10	Beam B2	14	2	2	1.5		6.00	1.209	7.3	7.61	
11	Beam B2	14	2	2	3.45		13.80	1.209	16.7	17.51	
12	Beam B2	14	2	2	2.4		9.60	1.209	11.6	12.18	
13	beam stirrup	10	52	2	1.32	20cm	137.28	0.617	84.7	88.89	
14	Beam B3	14	4	2	5.05		40.40	1.209	48.8	51.27	
15	Beam B3	14	2	2	5.05		20.20	1.209	24.4	25.64	
16	Beam B3	14	2	2	1.5		6.00	1.209	7.3	7.61	
17	Beam B3	14	2	2	1.5		6.00	1.209	7.3	7.61	
18	beam stirrup	10	21	2	1.32	20cm	55.44	0.617	34.2	35.90	
19	Beam B4	14	4	2	4.05		32.40	1.209	39.2	41.12	
20	Beam B4	14	2	2	4.05		16.20	1.209	19.6	20.56	
21	Beam B4	14	2	2	1.3		5.20	1.209	6.3	6.60	
22	Beam B4	14	2	2	1.3		5.20	1.209	6.3	6.60	
23	beam stirrup	10	16	2	1.32	20cm	42.24	0.617	26.0	27.35	
Total Weight of 14mm										594.70	
Total Weight of 10mm										237.61	
Total Weight Drop Reinforcement										792.67	
Total Weight of Reinforcement+5%										832.31	

STEEL BAR TABLE

SCALE NTS

REF



SURVEYED BY
DRAWN BY
DESIGNED BY

ENG.WAHEDULLAH SULTANI
ENG.WAHEDULLAH SULTANI
ENG.WAHEDULLAH SULTANI

CHECKED BY
REVIEWED BY
APPROVED BY

ENG.NESAR AHMAD HADARY
ENG. POVA
KHAISHI

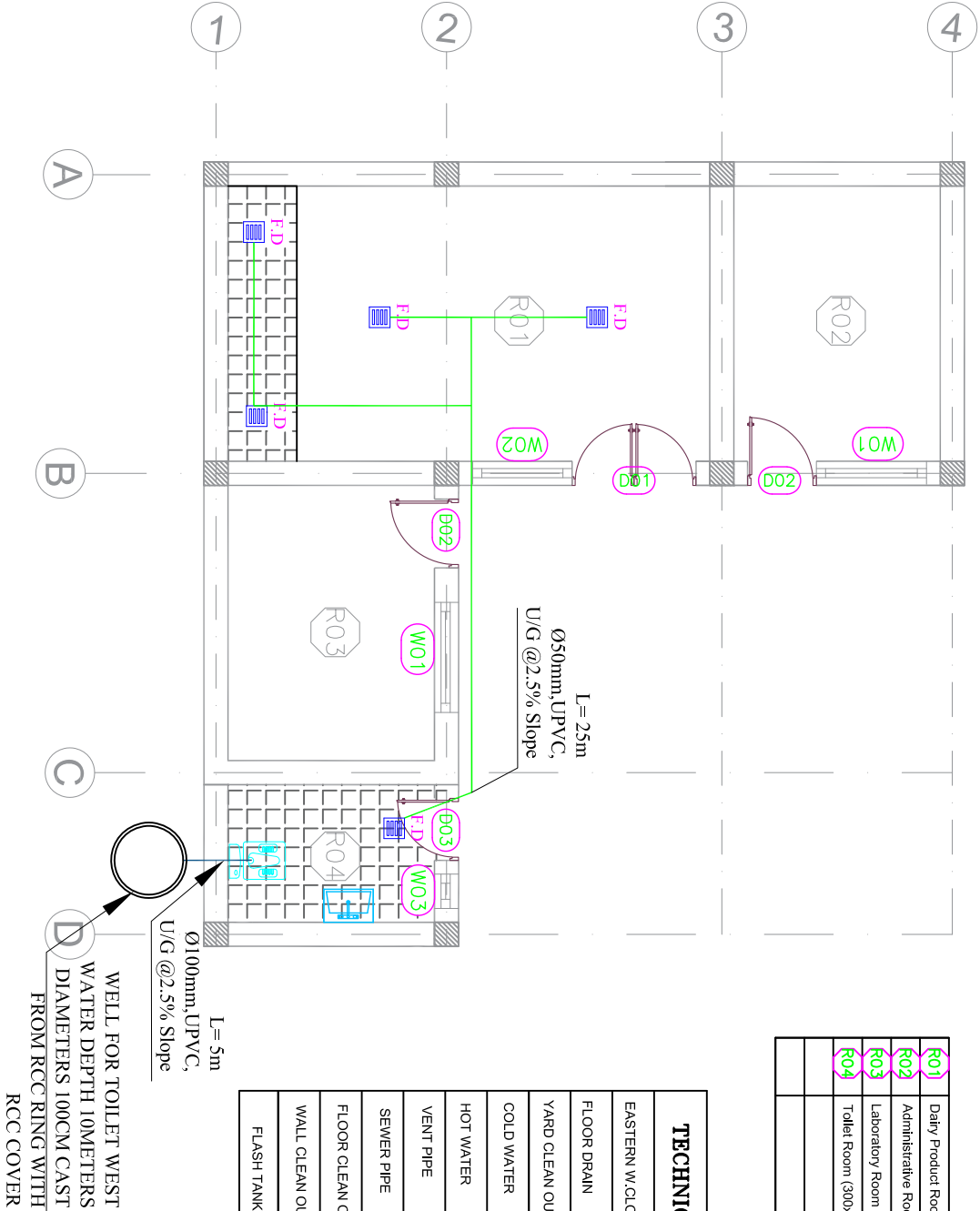
PROVINCE
DISTRICT
VILLAGE

KAPISA
MURAB
DESIGN DATE

SCALE
H/V TOFT

PROJECT NAME:
DAIRY PRODUCTION CENTER
DRAWING TITLE:
STEEL BAR TABLE

EO1	Dairy Product Room (700x400)cm	DO1	(180x250)cm
EO2	Administrative Room (300x400)cm	DO2	(100x250)cm
EO3	Laboratory Room (300x400)cm	DO3	(90x250)cm
EO4	Toilet Room (300x200)cm	WO1	(160x140)cm
		WO2	(145x140)cm
		WO3	(50x50)cm



SEWER PIPING DISTRIBUTION PLAN

REF

SCALE NTS

AFGHANISTAN
CARE International
ABADE 2.0 Project
Kapisa

SURVEYED BY
DRAWN BY
DESIGNED BY

ENG.WAHEDULLAH SULTANI
ENG.WAHEDULLAH SULTANI
ENG.WAHEDULLAH SULTANI

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REVIEWED BY
APPROVED BY

ENG.NESAR AHMAD HADARY
ENG. POYA
KHASHI

PROVINCE
DISTRICT
VILLAGE











KAPISA
MIRJAB
KAPISA

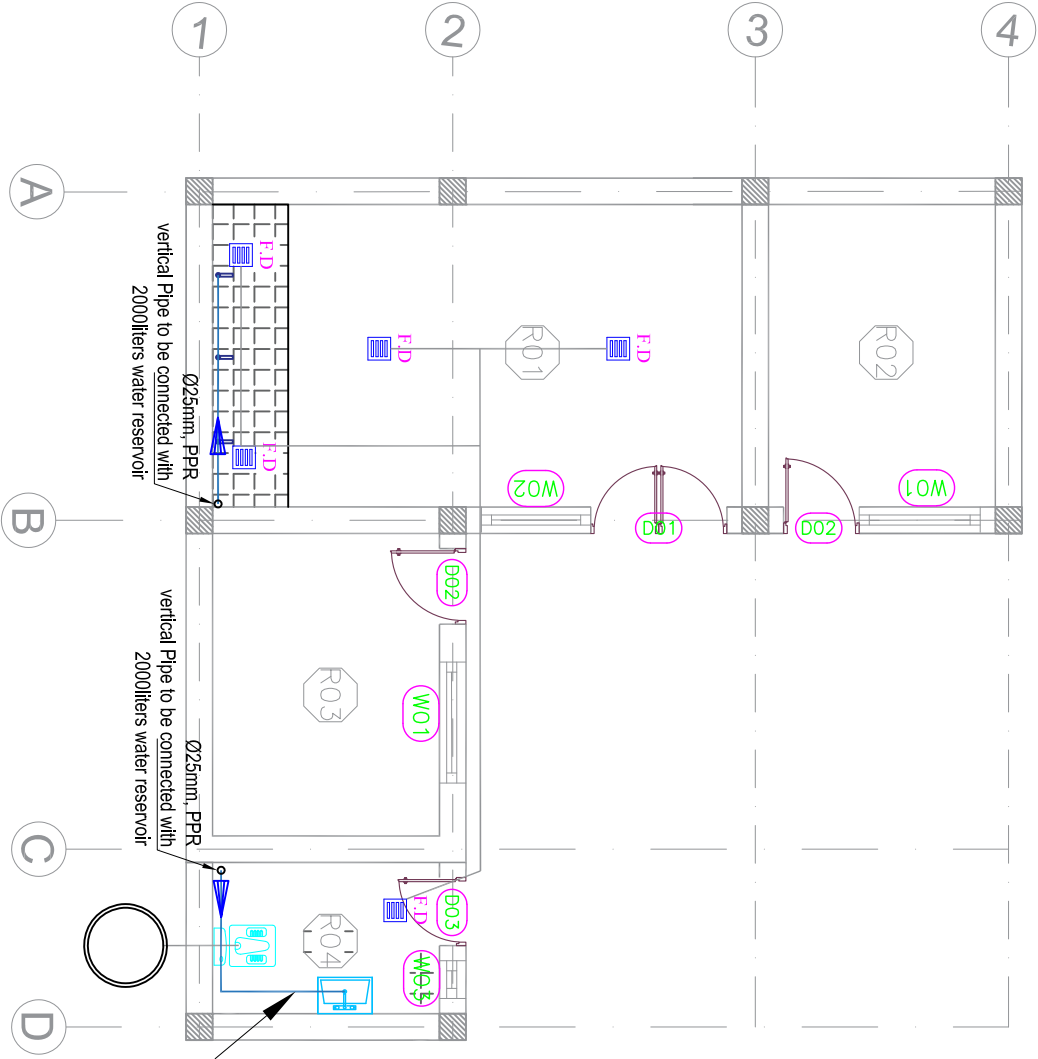
SCALE
SURVEY DATE
DESIGN DATE

H/V TOFT
PROJECT NAME:
DAIRY PRODUCTION CENTER
DRAWING TITLE:
SEWER PIPING DISTRIBUTION PLAN

SHEET NO
1
3

R01	Dairy Product Room (700x400)cm	D01	(180x250)cm
R02	Administrative Room (300x400)cm	D02	(100x250)cm
R03	Laboratory Room (300x400)cm	D03	(90x250)cm
R04	Toilet Room (300x200)cm	W01	(160x140)cm
		W02	(145x140)cm
		W03	(50x50)cm

TECHNICAL LEGEND	
EASTERN W.CLOSET	E.W.C 
FLOOR DRAIN	FD 
YARD CLEAN OUT	Yco. 
COLD WATER	
HOT WATER	
VENT PIPE	
SEWER PIPE	
FLOOR CLEAN OUT	FCO 
WALL CLEAN OUT	WCO 
FLASH TANK	



COLD WATER PIPING DISTRIBUTION PLAN

REF

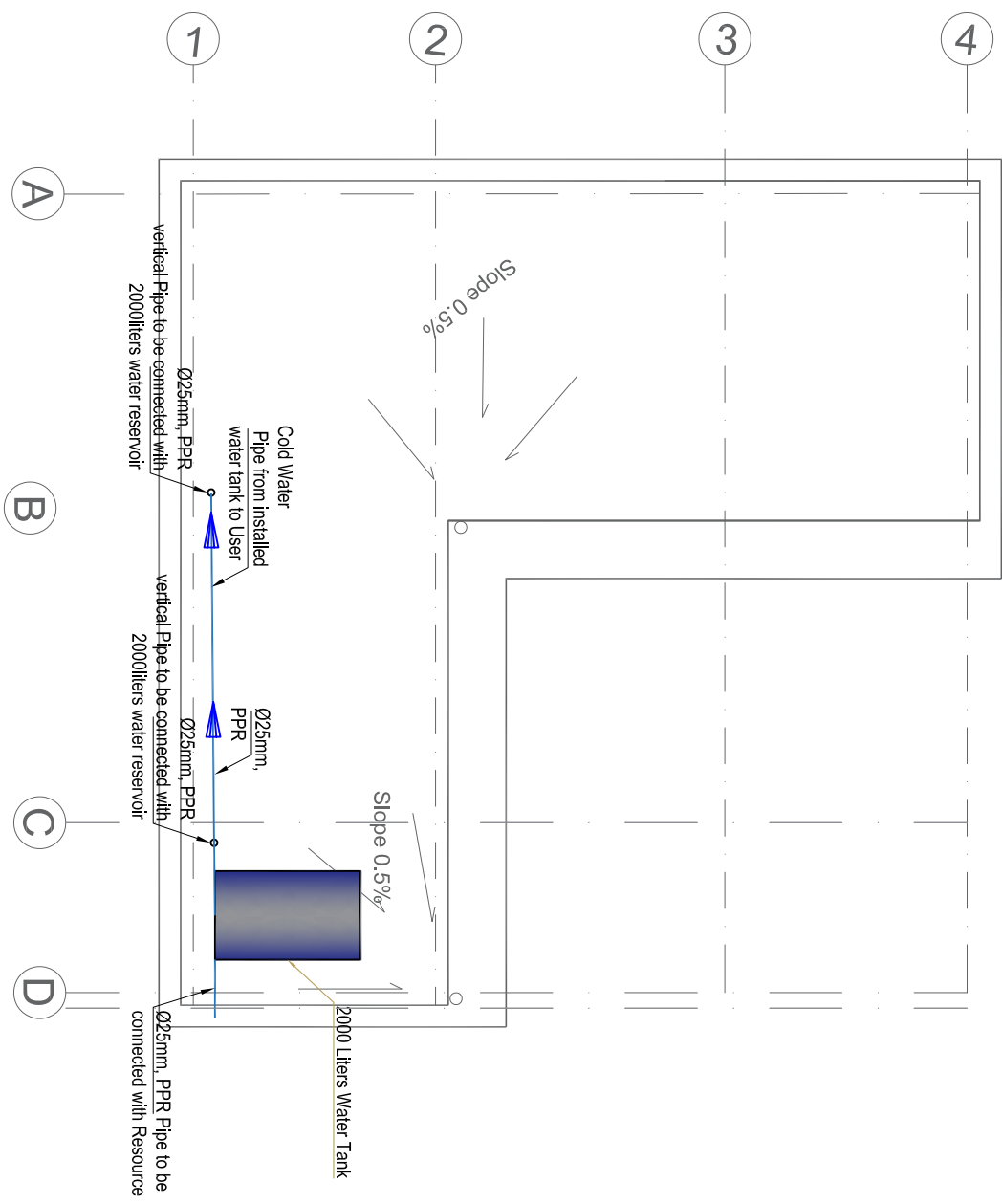
SCALE NTS

SURVEYED BY	ENG.WAHEDULLAH SULTANI	CHECKED BY	ENG.NESAR AHMAD HADARY	PROVINCE	KAPISA	SCALE	H.V.TOHT	PROJECT NAME:
DRAWN BY	ENG.WAHEDULLAH SULTANI	REVIEWED BY	ENG. POYA	DISTRICT	MIRJAB	SURVEY DATE		PASHA KARY FIRST PART 10 M LENGTH SUPER PASSAGES
DESIGNED BY	ENG.WAHEDULLAH SULTANI	APPROVED BY	KHASHI	VILLAGE		DESIGN DATE		DRAWING TITLE:
								WATER TANK INSTALLATION PLAN

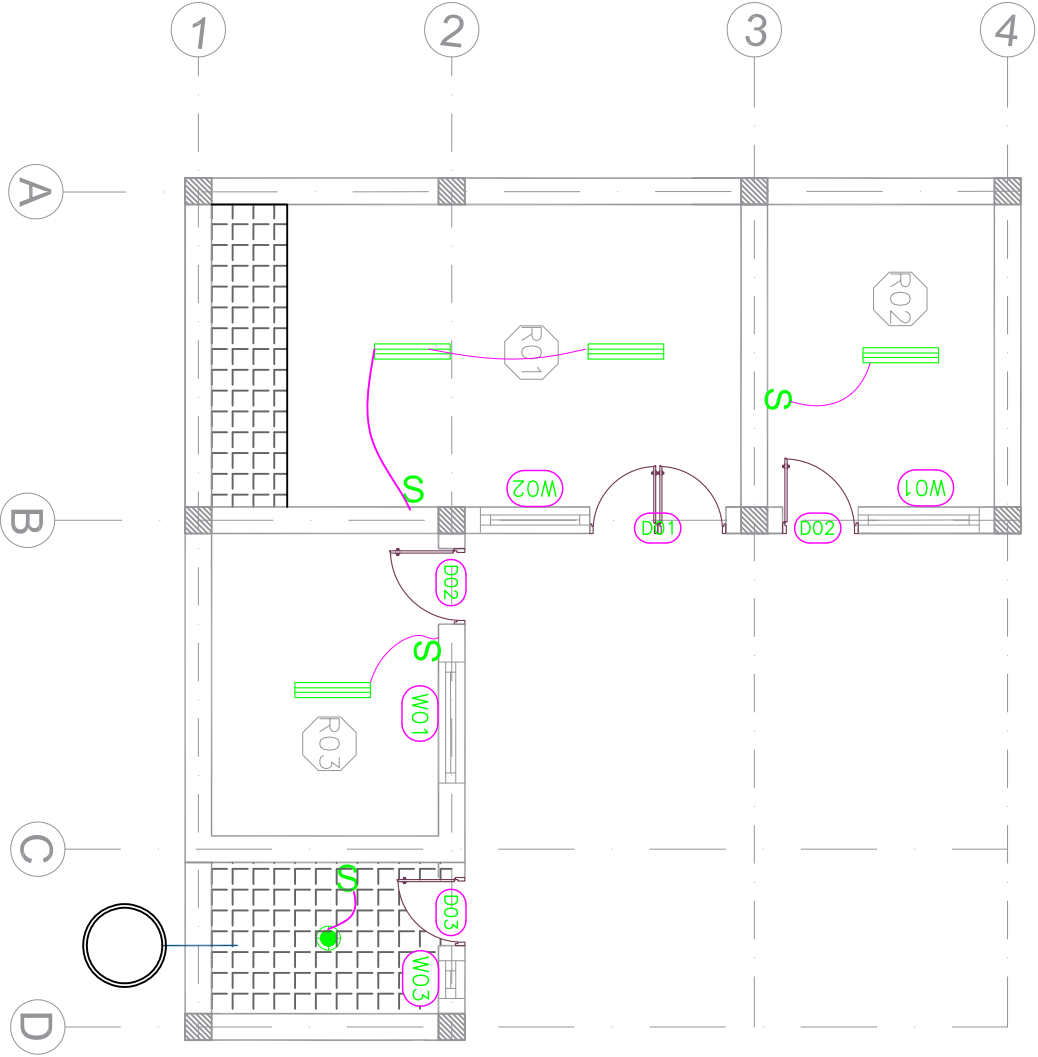
WATER TANK INSTALLATION PLAN

REF

SCALE NTS



R01	Dairy Product Room (700x400)cm	D01	(180x250)cm
R02	Administrative Room (300x400)cm	D02	(100x250)cm
R03	Laboratory Room (300x400)cm	D03	(90x250)cm
R04	Toilet Room (300x200)cm	W01	(160x140)cm
		W02	(145x140)cm
		W03	(50x50)cm



LIGHTING PLAN

REF

SCALE NTS



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REVIEWED BY
APPROVED BY

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ENG. POYA
KHASHI

PROVINCE
DISTRICT
VILLAGE

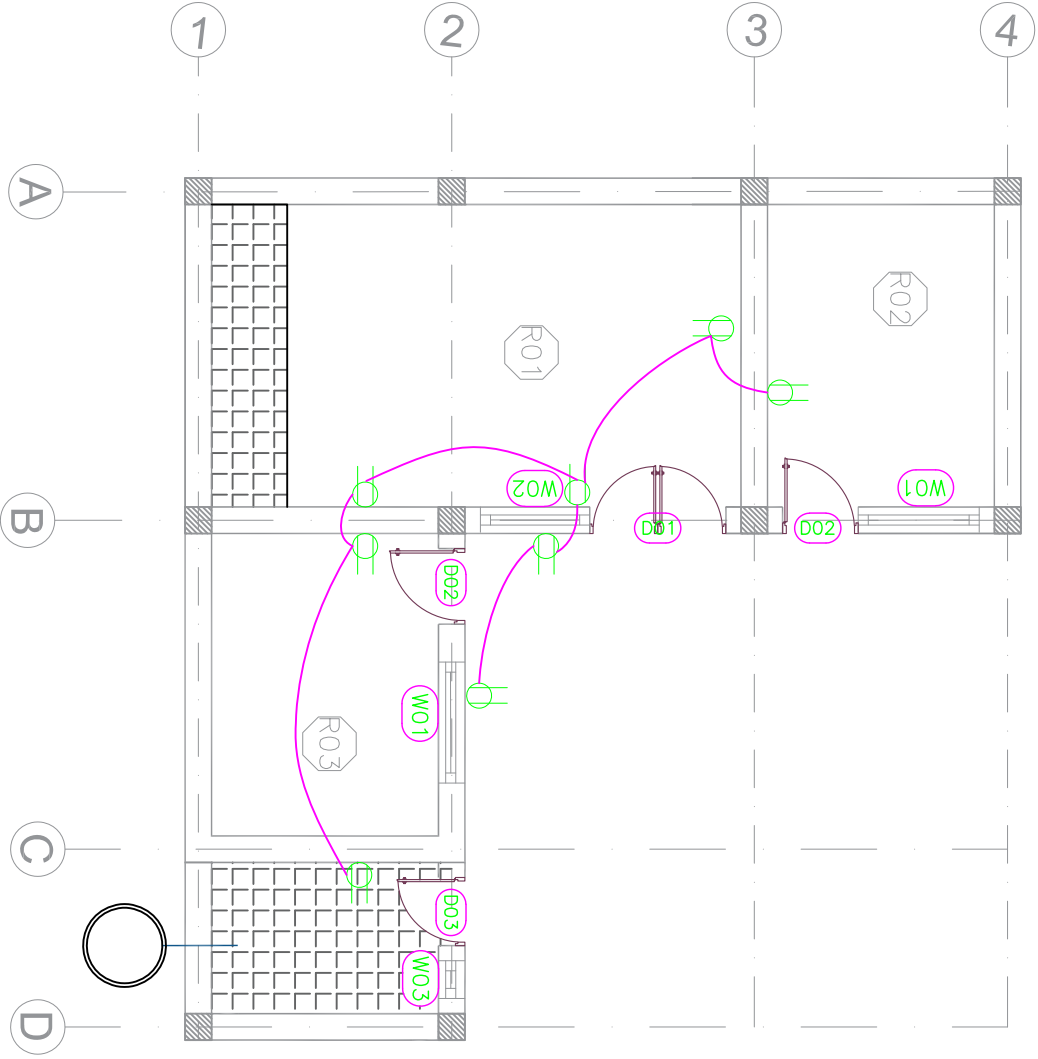
KAPISA
MURAB

SCALE
SURVEY DATE
DESIGN DATE

H.V.TORT

PROJECT NAME:
DAIRY PRODUCTION CENTER
DRAWING TITLE:
LIGHTING PLAN

DO1	Dairy Product Room (700x400)cm	DO1	(180x250)cm
DO2	Administrative Room (300x400)cm	DO2	(100x250)cm
DO3	Laboratory Room (300x400)cm	DO3	(90x250)cm
DO4	Toilet Room (300x200)cm	DO1	(160x140)cm
		DO2	(145x140)cm
		DO3	(50x50)cm



POWER PLAN

REF

SCALE NTS



SURVEYED BY
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KHASHI

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DISTRICT
VILLAGE

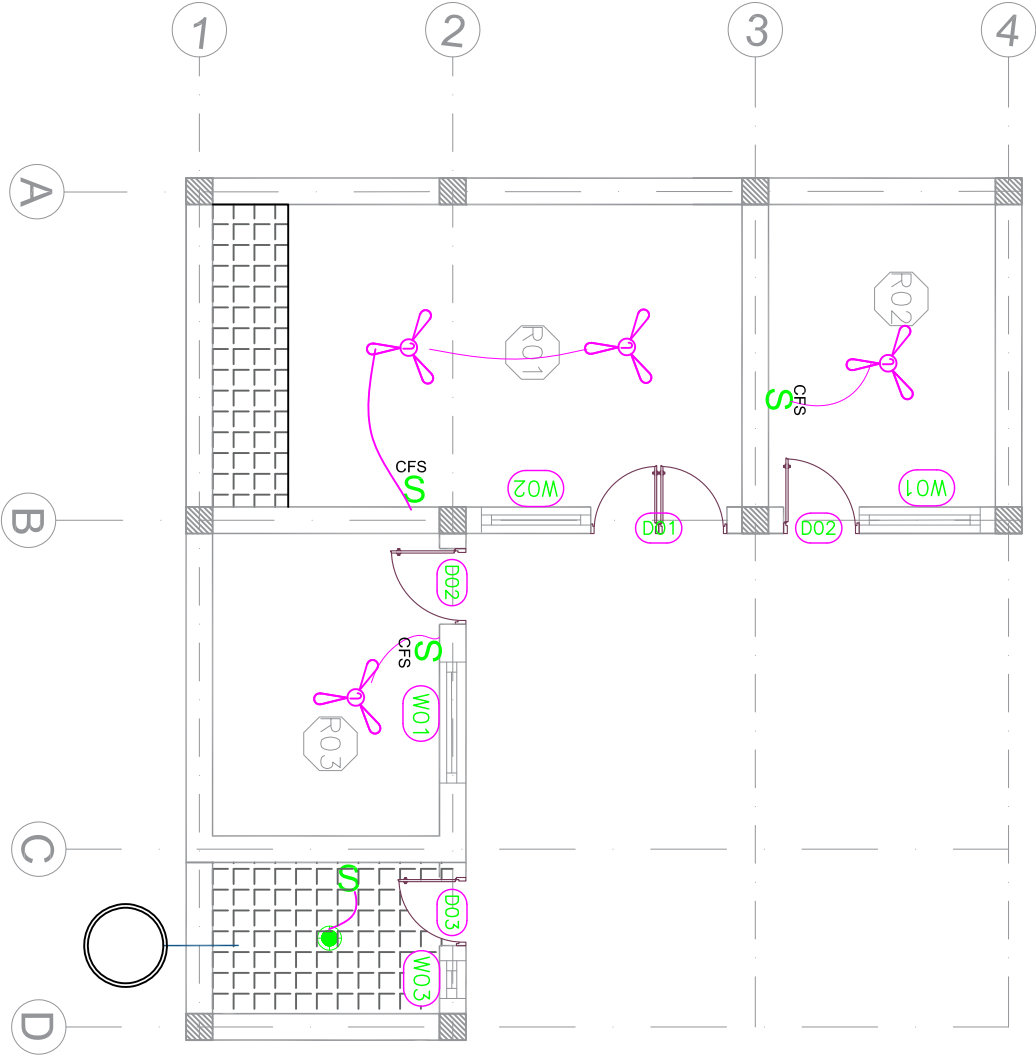
KAPISA
MIRJAB
VILLAGE

SCALE
SURVEY DATE
DESIGN DATE

H.V. TOFT
DAIRY PRODUCTION CENTER
POWER PLAN

R01	Dairy Product Room (700x400)cm	D01	(180x250)cm
R02	Administrative Room (300x400)cm	D02	(100x250)cm
R03	Laboratory Room (300x400)cm	D03	(90x250)cm
R04	Toilet Room (300x200)cm	W01	(160x140)cm
		W02	(145x140)cm
		W03	(50x50)cm

































CFS = CEILING FAN SWITCH.



MECHANICAL PLAN

REF

SCALE NTS

	SINGLE POLE SWITCH, 220V, 50Hz, 20A, SURFACE MOUNTED AT 1200mm AFF
	TOW WAY SWITCH, 220V, 50Hz, 20A, SURFACE MOUNTED AT 1200mm AFF
	EMERGENCY LIGHT EXT SIGN 1x8W 3 HOURS DURATION STEEL BODY
	SURFACE MOUNTED HIGH BAY LIGHT 150W,4PS, 50Hz, MOUNTED IP65
	WALL MOUNTED WATER PROOF PROJECTOR LIGHT 250W, 50Hz, IP65
	LIGHTING DISTRIBUTION BOARD AT 1800MM END OF PANEL WATER PROOF RECESSED ON WALL MOUNTED TYPE.
	MAIN DISTRIBUTION BOARD AT 1800MM END OF PANEL WATER PROOF WALL OR RECESSED MOUNTED TYPE.
	SURFACE MOUNTED SINGLE PHASE RECEPTACLE WATER PROOF 16A, 50Hz, 220V.
	SURFACE MOUNTED WATER PROOF EXHAUST FAN 80W, 50Hz, 220V
	GROUNDING SYSTEM
	ELECTRICAL MANHOLE
	ELECTRICAL HAND HOLE
	UPVC SCHEDULE 40 CONDUITS PIPE.
	SURFACE MOUNTED CABLE TRUNK SIZE AT 0.28mm0.1m
	ELECTRICAL CANAL
	DIRECTION OF POWER CABLE TO DB
	SURFACE MOUNTED GENERAL MAINE DISTRIBUTION BOARD (GIMDB), (GLDB) AT 1800MM END OF PANEL WATER PROOF.
	CABLE TRENCH DEPTH 12M.
	AUTO TRANSFORMER SWITCH, 4 PL, 50Hz, 380V
	220V AND 16A RECESS MOUNTED SOCKET.
	240WATTS AND 220V FLUORESCENT LIGHT.
	1x100WATTS AND 220V WATER PROOF ROUND TYPE LIGHT.
	220V AND 16A RECESS MOUNTED WATERPROOF SWITCH FOR TOILETS.
	220V AND 16A RECESS MOUNTED WATER PROOF RECEPTACLE.
	220V AND 12000BTU SPLITT UNIT.
	GROUNDING ROD (3m x Ø25mm) FOR EARTHING SYSTEM.
	TRANSFORMER
	CURRENT TRANSFORMER
	MOLDED CASE CIRCUIT BREAKER
	CIRCUIT BREAKER 3PH, 380V.
	PHASE LIGHTS
	WIRE CONNECTION - SOLID GROUND
	DELTA CONNECTION.

LEGENDS AND ABBREVIATIONS

ABBREVIATIONS:

A	-	AMPERE
A.F.F.	-	ABOVE FINNISH FLOOR LEVEL
CU	-	COPPER
E.H	-	ELECTRICAL HANDHOLD
Ø, DIA	-	DIAMETER
EX-F	-	EXHAUST FAN
EMT	-	ELECTRIC METALLIC TUBING
LDB	-	LIGHTING DISTRIBUTION BOARD
MDR	-	MAINE DISTRIBUTION BOARD
GLDB	-	GENERAL LIGHTING DISTRIBUTION BOARD
HZ	-	HERTZ
MECH	-	MECHANICAL
mm	-	MILLIMETER
GIMDB	-	GENERAL MAIN DISTRIBUTION BOARD
MAX	-	MAXIMUM
M	-	METER
ATS	-	AUTO TRANSFER SWITCH
PVC	-	POLY VINYL CHLORIDE
RM	-	ROOM
TYPE	-	TYPICAL
V	-	VOLT
W	-	WATT
WP	-	WATERPROOF

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REVIEWED BY	ENG. POYA
APPROVED BY	KHAISHI

PROVINCE	KAPISA
DISTRICT	MURAB
VILLAGE	
SCALE	
H.V TOHT	

PROJECT NAME: DAIRY PRODUCTION CENTER
DRAWING TITLE: LEGENDS AND ABBREVIATION