PHASE 2 LINE

EXTERNAL LIGHTING CABLES

TOWER- G1

TOWER- G2

TOWER- G3

TOWER-P

TOWER-R

TOWER-P1

TOWER-P2

TOWER-L

TOWER-M

TOWER-K1

TOWER-K2

TOWER-K3

EWS

STP

PILLAR-2 FEEDER

FEEDER PILLAR-3

FEEDER PILLAR-4

NOTE.
1.For three ph
4C x 16 sq. mm Al.Ar.Cable with 2 nos 8swg GI wire

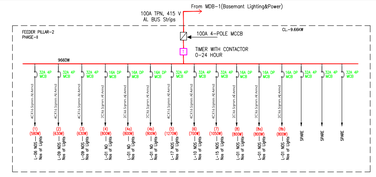
2.For single ph
2Cx6sq.mm Al.Ar.Cable with 1 nos 8swg GI wire

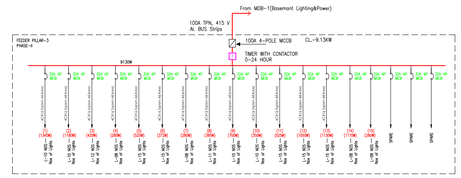
750x300mm CUTOUT IN RETAINING WALL FOR LOW VOLTAGE CABLES

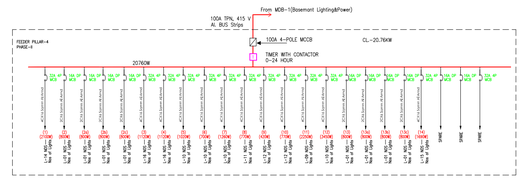
1000x300mm CUTOUT IN RETAINING WALL FOR ELECTRICAL CABLES

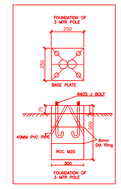
ELECTRICAL CABLES IN HUME PIPE

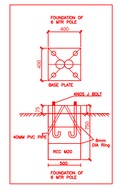
3000x1000mm CUTOUT IN RETAINING WALL FOR ELECTRICAL CABLES BELOW ROAD











FEEDER PILLAR -2 PHASE - II

INCOMER- 100A-8P MCCB (INCOMMING CABLE - 3.5CX185SQMM ALUMINIUM ARMOURED CABLE)

OCT. No.	CABLE SIZE IN SQMM	MCB RATING IN AMPS	LOCATION	NO OF POINT	LOADIN WATTS R	Y	B	4x 16 Sqmm	2x6 Sqmm
C1 - R1			POLE LIGHT NEAR TW-G1	2	200				
C1 - Y1	4CX 16 Al	32A	POLE LIGHT NEAR TW-G1	2		200		339.60	
C1 - B1			POLE LIGHT NEAR TW-G1	2			140		
C2 - R2			POLE LIGHT AT MIDDLE OF TW-G1 & G2	3	250				
C2 - Y2	4CX 16 Al	32A	POLE LIGHT AT MIDDLE OF TW-G1 & G2	3		250		167.80	
C2 - B2			POLE LIGHT AT MIDDLE OF TW-G1 & G2	3			250		
C3 - R3			POLE LIGHT NEAR TW-G2	3	250				
C3 - Y3	4CX 16 Al	32A	POLE LIGHT NEAR TW-G2	3		250		187.70	
C3 - B3			POLE LIGHT NEAR TW-G2	3			250		
C4 - R4	2CX 6 Al	16A	SPORTS LIGHT AT MIDDLE OF TW-G2 & G3	1	800			92.30	
C4 - Y4	2CX 6 Al	16A	SPORTS LIGHT AT MIDDLE OF TW-G2 & G3	1		800		103.10	
C4 - B4	2CX 6 Al	16A	SPORTS LIGHT AT MIDDLE OF TW-G2 & G3	1			800	107.10	
C5 - R5			POLE LIGHT NEAR TW-G3	6	420				
C5 - Y5	4CX 16 Al	32A	POLE LIGHT NEAR TW-G3	6		500		396.70	
C5 - B5			POLE LIGHT NEAR TW-G3	5			350		
C6 - R6			POLE LIGHT NEAR TW-G2 & G3	4	280				
C6 - Y6	4CX 16 Al	32A	POLE LIGHT NEAR TW-G2 & G3	3		250		253.50	
C6 - B6			POLE LIGHT NEAR TW-G2 & G3	3			250		
C7 - R7			POLE LIGHT NEAR TW-G2 & G3	5	350				
C7 - Y7	4CX 16 Al	32A	POLE LIGHT NEAR TW-G2 & G3	5		350		296.20	
C7 - B7			POLE LIGHT NEAR TW-G2 & G3	5			350		
C8 - R8	2CX 6 Al	16A	SPORTS LIGHT AT MIDDLE OF TW-G2 & G3	1	800			107.80	
C8 - Y8	2CX 6 Al	16A	SPORTS LIGHT AT MIDDLE OF TW-G2 & G3	1		800		115.60	
C8 - B8	2CX 6 Al	16A	SPORTS LIGHT AT MIDDLE OF TW-G2 & G3	1			800	123.30	
R9			SPARE						
Y9		32A	SPARE						
B9			SPARE						
R10			SPARE						
Y10		32A	SPARE						
B10			SPARE						
R11			SPARE						
Y11		32A	SPARE						
B11			SPARE						
TOTAL LOAD PER PHASE				72	3290	3300	3010	5426.50	646.70
TOTAL CONNECTED LOAD OF DB				TOTAL = 9300 W					
				TOTAL = 9.46 KW					

CENTRUM PARK INDIABULLS SEC. - 103, GURGAON (HR)

S. No.	Description/Location	6 Mtr. Pole With Light 150 W	6 Mtr. Pole With Light 150 W	6 Mtr. Pole With Light 150 W	3 Mtr. Pole With Light 70 W	TREE UPLIGHTS TERS (35W)	BOLLARD LIGHT (18W)	UPLIGHT ERS 35W	SPORT FLOOD LIGHT 2 X 400W	DOWNLIGHTER S (35W)
		L1 A	L1 B	L1 C	L1 D	L2	L4	L5	L7	L8
	FEEDER PILLAR - 2									
1	FP2/CKT-1 NEAR TW-G1	2				4				
2	FP2/CKT-2 MODLE OF TW-G1 & G2					9				
3	FP2/CKT-3 NEAR TW-G2					9				
4	FP2/CKT-4 MODLE OF TW-G2 & G3									1
5	FP2/CKT-4a MODLE OF TW-G2 & G3									1
6	FP2/CKT-4b MODLE OF TW-G2 & G3									1
7	FP2/CKT-5 NEAR TW-G3		1			16				
8	FP2/CKT-6 NEAR TW-G3 & G2					10				
9	FP2/CKT-7 NEAR TW-G3, G2 & G1					15				
10	FP2/CKT-8 MODLE OF TW-G2 & G3									1
11	FP2/CKT-8a MODLE OF TW-G2 & G3									1
12	FP2/CKT-8b MODLE OF TW-G2 & G3									1
	FEEDER PILLAR - 3									
1	FP3/CKT-1 NEAR FP3 & CLUB	8				2				
2	FP3/CKT-2 NEAR FP3 & CLUB	6				4				
3	FP3/CKT-3 NEAR FP3 & CLUB						12			
4	FP3/CKT-4 NEAR FP3 & CLUB								8	
5	FP3/CKT-5 NEAR SWIMMING POOL						15		8	
6	FP3/CKT-6 NEAR SWIMMING POOL						6	9		
7	FP3/CKT-7 NEAR SWIMMING POOL						8			
8	FP3/CKT-8 NEAR CLUB						11			
9	FP3/CKT-9 NEAR CLUB					10				
10	FP3/CKT-10 NEAR CLUB						4			6
11	FP3/CKT-11 MODLE OF CLUB & TW-P&R								15	
12	FP3/CKT-12 NEAR TW-P&R					15				
13	FP3/CKT-13 NEAR TW-P&R	1				14				
14	FP3/CKT-14 MODLE OF CLUB & TW-P&R	1			1	6				
	FEEDER PILLAR - 4									
1	FP4/CKT-1 NEAR TW-B L, M & N	14								
2	FP4/CKT-2 NEAR TW-B L, M & N								4	
3	FP4/CKT-3 NEAR TW-B & L					16				
4	FP4/CKT-4 NEAR TW-M & N					16				
5	FP4/CKT-5 NEAR TW-K1, K2, K3, M & N	4				6				
6	FP4/CKT-6 NEAR TW-K1, K2 & K3					10				
7	FP4/CKT-7 NEAR TW-K1	7				3				
8	FP4/CKT-8 NEAR TW-K1, K2 & K3					11				
9	FP4/CKT-9 NEAR TW-K1, K2 & K3						8		4	
10	FP4/CKT-10 NEAR TW-K1, K2 & K3					12				
11	FP4/CKT-11 NEAR TW-K1, K2 & K3	3	5							
12	FP4/CKT-12 NEAR TW-K1, K2 & K3	2	4	1	1					
13	FP4/CKT-13 NEAR TW-K1, K2 & K3								4	
14	FP4/CKT-14 NEAR MAIN GATE &TW-K1	9				4				2

FEEDER PILLAR - 3 PHASE - II

INCOMER- 100A-8P MCCB (INCOMMING CABLE - 3.5CX185SQMM ALUMINIUM ARMOURED CABLE)

OCT. No	CABLE SIZE IN	MCB RATING IN	LOCATION	NO. OF	LOADIN WATTS R	Y	B	4x 16 Sqmm	2x6 Sqmm
C1 - R1			POLE LIGHT NEAR FP3 & CLUB	4	500				
C1 - Y1	4CX 16 Al	32A	POLE LIGHT NEAR FP3 & CLUB	3		300		197.30	
C1 - B1			POLE LIGHT NEAR FP3 & CLUB	3			450		
C2 - R2			POLE LIGHT NEAR FP3 & CLUB	4	640				
C2 - Y2	4CX 16 Al	32A	POLE LIGHT NEAR FP3 & CLUB	3		250		228.50	
C2 - B2			POLE LIGHT NEAR FP3 & CLUB	3			450		
C3 - R3			TREE UPLIGHTERS NEAR FP3 & CLUB	4	140				
C3 - Y3	4CX 16 Al	32A	TREE UPLIGHTERS NEAR FP3 & CLUB	4		140		145.00	
C3 - B3			TREE UPLIGHTERS NEAR FP3 & CLUB	4			140		
C4 - R4			UPLIGHTERS NEAR FP3 & CLUB	3	105				
C4 - Y4	4CX 16 Al	32A	UPLIGHTERS NEAR FP3 & CLUB	3		105		75.60	
C4 - B4			UPLIGHTERS NEAR FP3 & CLUB	2			70		
C5 - R5			UPLIGHTERS NEAR SWIMMING POOL	5	175				
C5 - Y5	4CX 16 Al	32A	UPLIGHTERS NEAR SWIMMING POOL	5		175		145.40	
C5 - B5			UPLIGHTERS NEAR SWIMMING POOL	5			175		
C6 - R6			UPLIGHTERS NEAR SWIMMING POOL	5	124				
C6 - Y6	4CX 16 Al	32A	UPLIGHTERS NEAR SWIMMING POOL	5		124		227.50	
C6 - B6			UPLIGHTERS NEAR SWIMMING POOL	5			124		
C7 - R7			TREE UPLIGHTERS NEAR CLUB	3	105				
C7 - Y7	4CX 16 Al	32A	TREE UPLIGHTERS NEAR CLUB	3		105		192.30	
C7 - B7			TREE UPLIGHTERS NEAR CLUB	2			70		
C8 - R8			TREE UPLIGHTERS NEAR CLUB	4	140				
C8 - Y8	4CX 16 Al	32A	TREE UPLIGHTERS NEAR CLUB	4		140		195.90	
C8 - B8			TREE UPLIGHTERS NEAR CLUB	3			105		
C9 - R9			POLE LIGHT NEAR CLUB	4	280				
C9 - Y9	4CX 16 Al	32A	POLE LIGHT NEAR CLUB	3		210		201.50	
C9 - B9			POLE LIGHT NEAR CLUB	3			210		
C10 - R10			TREE UPLIGHTERS NEAR CLUB	4	140				
C10 - Y10	4CX 16 Al	32A	TREE UPLIGHTERS NEAR CLUB	3		105		168.60	
C10 - B10			TREE UPLIGHTERS NEAR CLUB	3			105		
C11 - R11			TREE UPLIGHTERS MODLE OF CLUB & TW P&R	5	175				
C11 - Y11	4CX 16 Al	32A	TREE UPLIGHTERS MODLE OF CLUB & TW P&R	5		175		214.00	
C11 - B11			TREE UPLIGHTERS MODLE OF CLUB & TW P&R	5			175		
C12 - R12			POLE LIGHT NEAR TW P&R	5	350				
C12 - Y12	4CX 16 Al	32A	POLE LIGHT NEAR TW P&R	5		350		304.30	
C12 - B12			POLE LIGHT NEAR TW P&R	5			350		
C13 - R13			POLE LIGHT NEAR TW P&R	5	350				
C13 - Y13	4CX 16 Al	32A	POLE LIGHT NEAR TW P&R	5		420		334.20	
C13 - B13			POLE LIGHT NEAR TW P&R	5			350		
C14 - R14			POLE LIGHT MODLE OF CLUB & TW P&R	3	820				
C14 - Y14	4CX 16 Al	32A	POLE LIGHT MODLE OF CLUB & TW P&R	3		210		195.60	
C14 - B14			POLE LIGHT MODLE OF CLUB & TW P&R	2			140		
C15 - R15			UPLIGHTERS NEAR SWIMMING POOL	3	105				
C15 - Y15	4CX 16 Al	32A	UPLIGHTERS NEAR SWIMMING POOL	3		105		105.00	
C15 - B15			UPLIGHTERS NEAR SWIMMING POOL	2			70		
R16			SPARE						
Y16		32A	SPARE						
B16			SPARE						
R17			SPARE						
Y17		32A	SPARE						
B17			SPARE						
R18			SPARE						
Y18		32A	SPARE						
B18			SPARE						
TOTAL LOAD PER PHASE				170	3989	3061	2986	2932.40	0.00
TOTAL CONNECTED LOAD OF DB				TOTAL = 9987 W					
				TOTAL = 9.99 KW					

FEEDER PILLAR - 4 PHASE - II

INCOMER- 100A-8P MCCB (INCOMMING CABLE - 3.5CX185SQMM ALUMINIUM ARMOURED CABLE)

OCT. No	CABLE SIZE IN	MCB RATING IN	LOCATION	NO. OF	LOADIN WATTS R	Y	B	4x 16 Sqmm	2x6 Sqmm
C1 - R1			POLE LIGHT NEAR TW B L, M & N	5	750				
C1 - Y1	4CX 16 Al	32A	POLE LIGHT NEAR TW B L, M & N	5		750		430.00	
C1 - B1			POLE LIGHT NEAR TW B L, M & N	4			600		
C2 - R2	2CX 6 Al	16A	SPORTS LIGHT NEAR TW B L, M & N	1	800			171.20	
C2 - Y2	2CX 6 Al	16A	SPORTS LIGHT NEAR TW B L, M & N	1		800		185.00	
C2 - B2	2CX 6 Al	16A	SPORTS LIGHT NEAR TW B L, M & N	1			800	200.00	
C3 - R3	2CX 6 Al	16A	SPORTS LIGHT NEAR TW B L, M & N	1	800			220.00	
C3 - R3			POLE LIGHT NEAR TW B & L	6	420				
C3 - Y3	4CX 16 Al	32A	POLE LIGHT NEAR TW B & L	5		350		293.70	
C3 - B3			POLE LIGHT NEAR TW B & L	5			350		
C4 - R4			POLE LIGHT NEAR TW M & N	6	420				
C4 - Y4	4CX 16 Al	32A	POLE LIGHT NEAR TW M & N	5		350		327.50	
C4 - B4			POLE LIGHT NEAR TW M & N	5			350		
C5 - R5			POLE LIGHT NEAR TW K1, K2, K3 & M & N	4	440				
C5 - Y5	4CX 16 Al	32A	POLE LIGHT NEAR TW K1, K2, K3 & M & N	4		210		314.20	
C5 - B5			POLE LIGHT NEAR TW K1, K2, K3 & M & N	3			320		
C6 - R6			POLE LIGHT NEAR TW K1, K2 & K3	4	280				
C6 - Y6	4CX 16 Al	32A	POLE LIGHT NEAR TW K1, K2 & K3	4		210		186.50	
C6 - B6			POLE LIGHT NEAR TW K1, K2 & K3	3			210		
C7 - R7			POLE LIGHT NEAR TW K5	4	520				
C7 - Y7	4CX 16 Al	32A	POLE LIGHT NEAR TW K5	3		320		423.20	
C7 - B7			POLE LIGHT NEAR TW K5	3			320		
C8 - R8			POLE LIGHT NEAR TW K1, K2 & K3	4	280				
C8 - Y8	4CX 16 Al	32A	POLE LIGHT NEAR TW K1, K2 & K3	4		280		269.40	
C8 - B8			POLE LIGHT NEAR TW K1, K2 & K3	3			210		
C9 - R9			UPLIGHTERS NEAR TW K1, K2 & K3	4	140				
C9 - Y9	4CX 16 Al	32A	UPLIGHTERS NEAR TW K1, K2 & K3	4		140		351.50	
C9 - B9			UPLIGHTERS NEAR TW K1, K2 & K3	4			140		
C10 - R10			POLE LIGHT NEAR TW K1, K2 & K3	4	280				
C10 - Y10	4CX 16 Al	32A	POLE LIGHT NEAR TW K1, K2 & K3	4		280		293.80	
C10 - B10			POLE LIGHT NEAR TW K1, K2 & K3	4			210		
C11 - R11			POLE LIGHT NEAR TW K1, K2 & K3	3	750				
C11 - Y11	4CX 16 Al	32A	POLE LIGHT NEAR TW K1, K2 & K3	3		750		484.20	
C11 - B11			POLE LIGHT NEAR TW K1, K2 & K3	3			750		
C12 - R12			POLE LIGHT NEAR TW K1, K2 & K3	4	1300				
C12 - Y12	4CX 16 Al	32A	POLE LIGHT NEAR TW K1, K2 & K3	3		1300		420.00	
C12 - B12			POLE LIGHT NEAR TW K1, K2 & K3	3			900		
C13 - R13	2CX 6 Al	16A	SPORTS LIGHT NEAR TW K1, K2 & K3	1	800			121.00	
C13 - Y13	2CX 6 Al	16A	SPORTS LIGHT NEAR TW K1, K2 & K3	1		800		135.60	
C13 - B13	2CX 6 Al	16A	SPORTS LIGHT NEAR TW K1, K2 & K3	1			800	152.00	
C13 - Y13	2CX 6 Al	16A	SPORTS LIGHT NEAR TW K1, K2 & K3	1		800		164.60	
C14 - R14			POLE LIGHT NEAR WINNING GATE &TW K1	5	550				
C14 - Y14	4CX 16 Al	32A	POLE LIGHT NEAR WINNING GATE &TW K1	5		550		359.60	
C14 - B14			POLE LIGHT NEAR WINNING GATE &TW K1	5			550		
R15			SPARE						
Y15		32A	SPARE						
B15			SPARE						
R16			SPARE						
Y16		32A	SPARE						
B16			SPARE						
R17			SPARE						
Y17		32A	SPARE						
B17			SPARE						
TOTAL LOAD PER PHASE				153	11840	7980	6100	4130.00	1356.00
TOTAL CONNECTED LOAD OF DB				TOTAL = 9987 W					
				TOTAL = 9.99 KW					

LEGEND

FEE DER PILLAR	S.NO.	SYMBOL	DESCRIPTION
2.2	L1 A		6.0m HIGH POLE LIGHT 150 W - MH - SINGLE POLE
	L1B		6.0m HIGH POLE LIGHT 150 W - MH - TWO WAY POLE
	L1C		6.0m HIGH POLE LIGHT 150 W - MH - THREE WAY POLE
	L1D		6.0m HIGH POLE LIGHT 150 W - MH - FOUR WAY POLE
2.1	L2		3.0m HIGH POLE LIGHT 70 W - MH
1.4	L4		TREE UPLIGHTERS
	L5		BOLLARD LIGHTS
	L6		UPLIGHTERS
	L8		DOWNLIGHTERS
1.3	L7		SPORTS FLOOD LIGHT 2x400 - MH
1.8	--	--	POST LANTERN WITH LAMP 150 W MHL
1.7	--	--	POST LANTERN WITH LAMP 70 W MHL
5.1	--		RCC HUME PIPES 150MM
5.2	--		RCC HUME PIPES 250MM
			FEEDER PILLAR

AS BUILT DRAWING

contractors

SATKARATAR ELECTRICALS AND ELECTRONICS PVT.LTD.
H-14/2, MALVIYA NAGAR,
NEW DELHI-110017.
PHONE-011-26680738,26680739,26682571.
E-MAIL : satkartar1@yahoo.com
www.satkartarelectronics.com

Developers

Indiabulls REAL ESTATE
Sector 103, Gurgaon Haryana, India
Selene Constructions Limited

SERVICES CONSULTANTS:

SOPHIC DESIGNS
HOUSE NO. 351, SECTOR -48, NEAR NOORANI MASJID,
FARIDABAD -121001, HARYANA
EMAIL: sjamep@gmail.com
PHONE : +919910034808

Architects

Arcop Associates Pvt. Ltd.
Plot No-36, Sector-32, Gurgaon.
HARYANA - 122001
INDIA

Ph.: +91-124-4595500 , 4371200
Fax: +91-124-4595550

Clients

M/s Selene Constructions
F-60 , Malhotra Building, II Floor ,
Cannaught Place, New Delhi-110001

Job Title
REVISED GROUP HOUSING AT SECTOR-103 , FALLING IN REVENUE

Drawing Title
EXTERNAL LIGHTING LAYOUT SITE PLAN

Job No.		Drawing No.
Drawn Patit	Checked Muthu	SEEPL/EL-02-SITE
Date 27.01.2019	Scale N.T.S.	R0