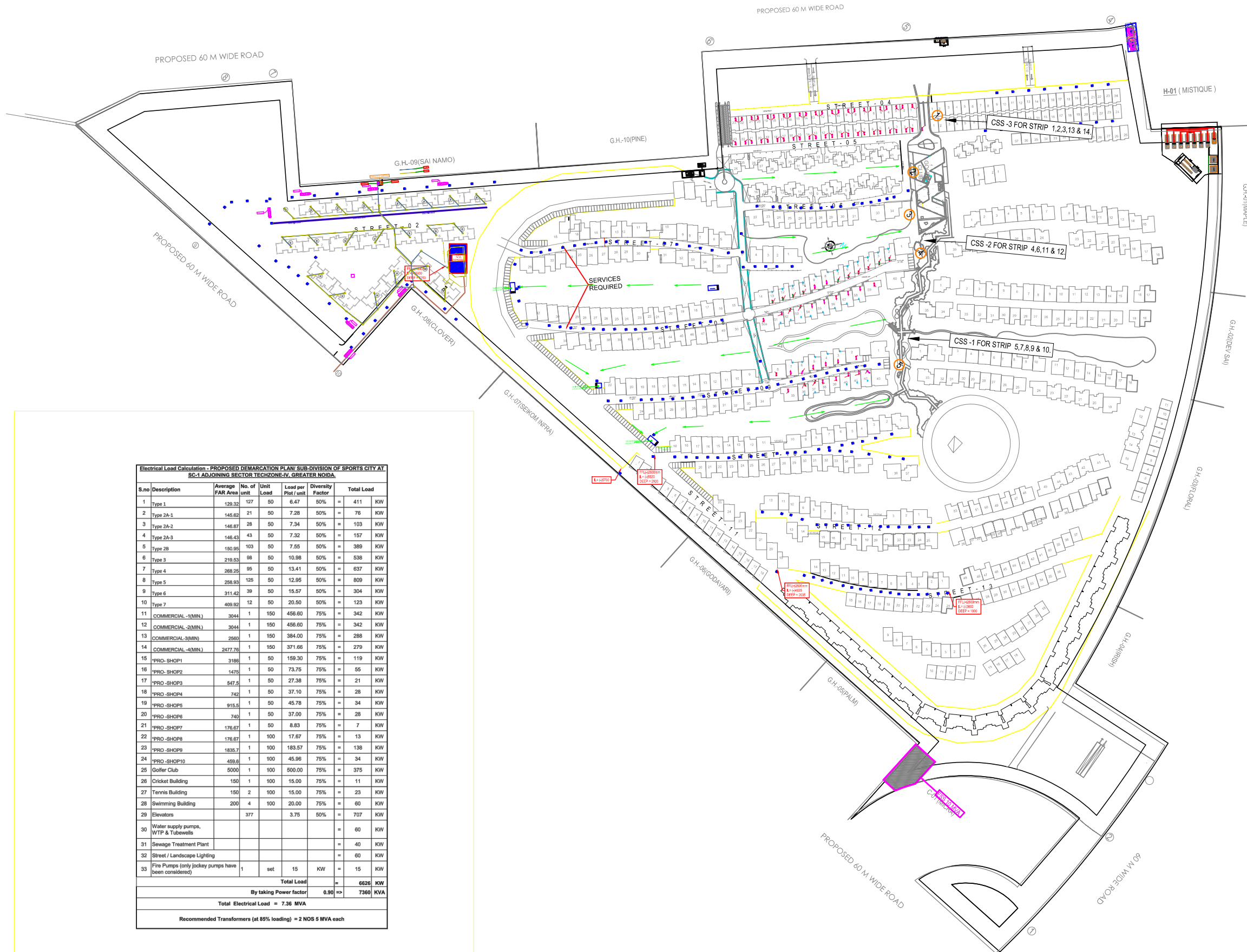




Electrical Load Calculation - PROPOSED DEMARCATION PLAN/ SUB-DIVISION OF SPORTS CITY AT SC-1 ADJOINING SECTOR TECHZONE-IV, GREATER NOIDA.						
S.no	Description	Average FAR Area	No. of Unit	Unit Load	Load per Plot / unit	Total Load
1	Type 1	129.32	127	50	6.47	50% = 411 KW
2	Type 2A-1	145.82	21	50	7.28	50% = 76 KW
3	Type 2A-2	146.87	28	50	7.34	50% = 103 KW
4	Type 2A-3	146.43	43	50	7.32	50% = 157 KW
5	Type 2B	150.95	103	50	7.55	50% = 389 KW
6	Type 3	218.53	98	50	10.98	50% = 538 KW
7	Type 4	268.25	95	50	13.41	50% = 637 KW
8	Type 5	258.93	125	50	12.95	50% = 809 KW
9	Type 6	311.42	39	50	15.57	50% = 304 KW
10	Type 7	409.92	12	50	20.50	50% = 123 KW
11	COMMERCIAL -1(MIN.)	3044	1	150	456.60	75% = 342 KW
12	COMMERCIAL -2(MIN.)	3044	1	150	456.60	75% = 342 KW
13	COMMERCIAL -3(MIN.)	2560	1	150	384.00	75% = 288 KW
14	COMMERCIAL -4(MIN.)	2477.76	1	150	371.66	75% = 279 KW
15	PRO-SHOP1	3188	1	50	159.30	75% = 119 KW
16	PRO-SHOP2	1475	1	50	73.75	75% = 55 KW
17	PRO-SHOP3	547.5	1	50	27.38	75% = 21 KW
18	PRO-SHOP4	742	1	50	37.10	75% = 28 KW
19	PRO-SHOP5	915.5	1	50	45.78	75% = 34 KW
20	PRO-SHOP6	740	1	50	37.00	75% = 28 KW
21	PRO-SHOP7	176.67	1	50	8.83	75% = 7 KW
22	PRO-SHOP8	176.67	1	100	17.67	75% = 13 KW
23	PRO-SHOP9	1835.7	1	100	183.57	75% = 138 KW
24	PRO-SHOP10	459.8	1	100	45.98	75% = 34 KW
25	Golfers Club	5000	1	100	500.00	75% = 375 KW
26	Cricket Building	150	1	100	15.00	75% = 11 KW
27	Tennis Building	150	2	100	15.00	75% = 23 KW
28	Swimming Building	200	4	100	20.00	75% = 60 KW
29	Elevators	377			3.75	50% = 707 KW
30	Water supply pumps, WTP & Tubewells					= 60 KW
31	Sewage Treatment Plant					= 40 KW
32	Street / Landscape Lighting					= 60 KW
33	Fire Pumps (only jockey pumps have been considered)	1	set	15	KW	= 15 KW
Total Load						= 6626 KW
By taking Power factor 0.90						= 7360 KVA
Total Electrical Load = 7.36 MVA						
Recommended Transformers (at 85% loading) = 2 NOS 5 MVA each						

NOTES:-
LOCATION OF BULK SERVICES SUCH AS (E.S.S,STP,UWGT, ETC) MAY VARY ON SITE AS PROJECT IS IN CONSTRUCTION STAGE.

PROJECT NAME :-
RISE RESORT RESIDENCES
PLOT NO:- SC01,
ADJOINING SECTOR TECH ZONE-IV
GREATER NOIDA, INDIA

STRUCTURE CONSULTANT:-
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SERVICES CONSULTANT:-
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Tel : (0120) 8943500 (24 Lines)
Lko, Office : R 006, Rohitas Plumeria, Gomi Nagar, Lucknow
e mail : mail@ceopl.in, website : www.ceopl.in

PRINCIPAL LANDSCAPE CONSULTANT:-
Belt Collins International
Singapore, Bangkok, Bali

DESIGN CONSULTANT:-
WOW
WOW ARCHITECTS
WARNER WONG DESIGN

DRAWING TITLE :-
ELECTRICAL LAYOUT PLAN

ARCHITECT:-
Ar. Rachit Sharma