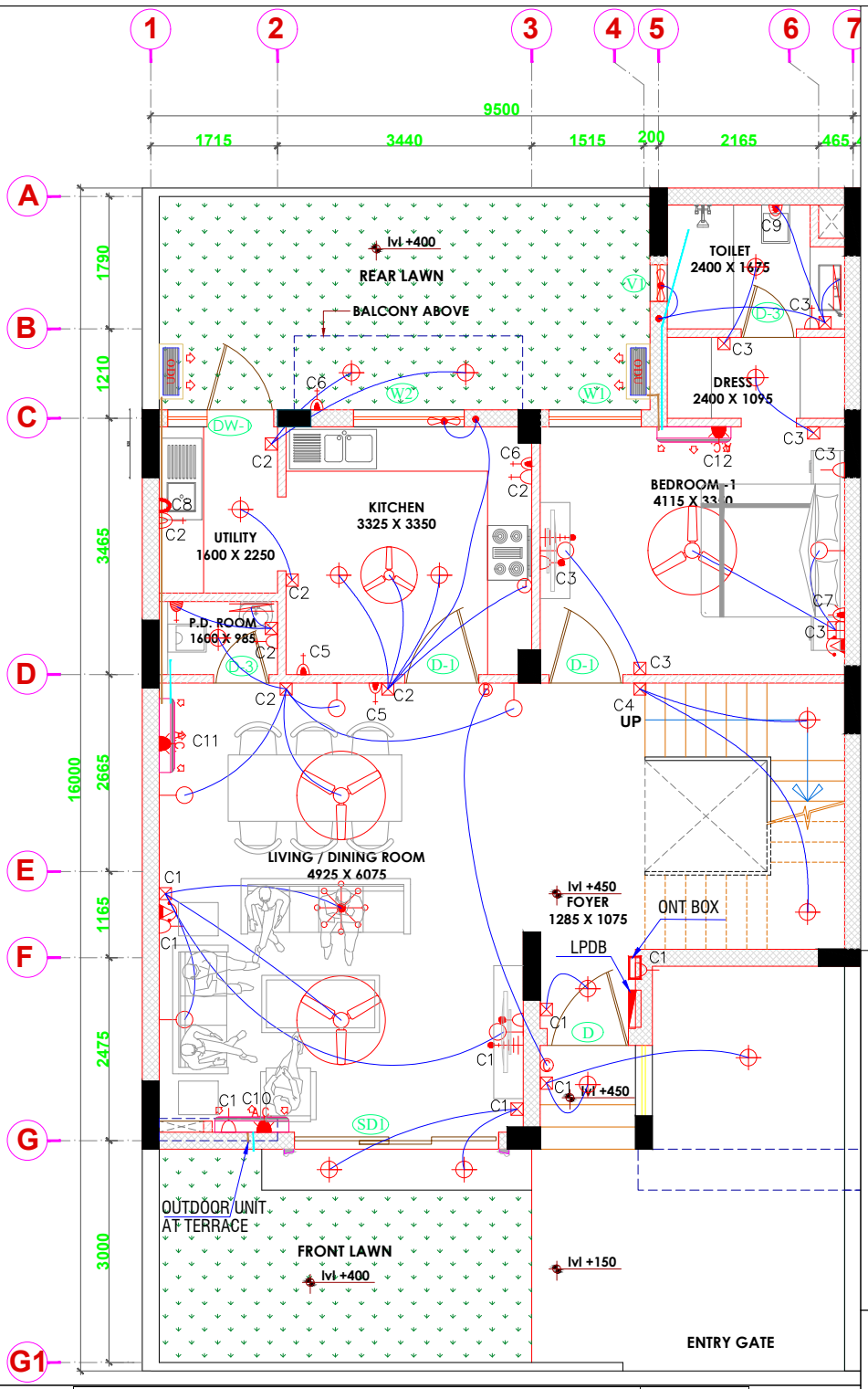
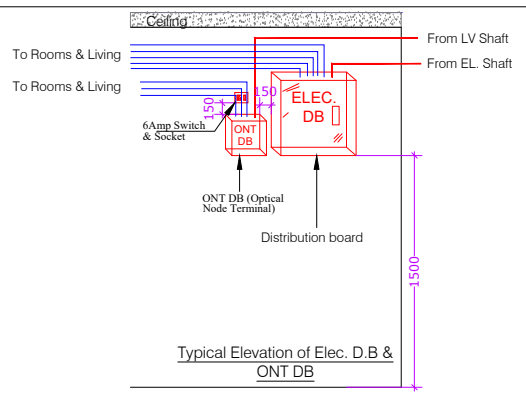


Notes : (Electrical)

1. R, Y & B indicates phases.
2. The number written near the switch board and power points indicates circuit number. for detail of circuits refer distribution board charts.
3. The size of wires from switch board to different light and fan points shall be 1.5 sq. m.m.
4. For secondary power point the circuit wire shall be looped from first power point by 2 x 2.5 sq.mm. (Wherever specified)
5. 6 amp. switch socket shall be connected to the lighting ckt. of that area by 1.5 sq.mm..
6. The size of submain conduit from electrical shaft to each flat D.B. shall be 25 / 32 / 40 Ø (as mention in D. B. schedule).
7. FTTH conduit sizes shall be :
   a) From LV cutout to junction box : 32 mm dia.
   b) From J. B. to further unit distribution : 25 mm dia.
8. The conduits used for wiring shall be as follows :
   a) PVC - Heavy duty (2 mm thick) : In RCC slab / RCC Wall
   b) PVC - Medium duty (1.6 mm thick) : In brick wall / Block Work
   c) The minimum conduit size in RCC Slab / RCC Wall shall be : 25 mm dia.
   d) M.S.(16 SWG) : All surface conduit inside shaft
9. Parking / Corridor / Staircase lights shall be directly controlled from MCB - DB through 2 x 1.5 sq.mm wires as shown in drawings.
10. No two dissimilar phase circuit / wire shall run together through same conduit.
11. Light and power circuit shall be drawn through separate conduit.
12. Wiring shall be carried out as per colour code i.e. R, Y, B phases and black - neutral and green - earth.
13. The sequence of phase distribution in different apartments will be different for overall phase balancing.
14. The position mentioned in legend is bottom of switch board / outlets.
15. The openings inside Electrical, LV & Fire shaft should be sealed at each floor.
16. Conduit drop should be precisely co-ordinated with brick work. It is adviced to mark brick work layout on slab before casting for exact position of conduit drop.
17. In case of any discrepancy in the drawing, the same may be brought to the notice of electrical consultant for approval before execution.
18. The Earth Continuity wire has to be laid for all electrical outlets / sockets / light / fan points. Size of earth wire shall be as follows : -

Phase Wire (sq.mm.)	2x1.5	2x2.5	2x4	2x6	2x10	2x16	4x6	4x10	4x16
Earth Wire (sq.mm.)	1x1.5	1x1.5	1x2.5	1x4	1x6	1x6	2x4	2x6	2x6



Typical Elevation of Elec. D.B & ONT DB

LPDB
10 WAY TPN DB

Ckt No.	wire size in SQ.MM.	SP MCB in Amp.	Location	Phase
C1	2x1.5+1x1.5	6	LIVING ROOM+ FOYER LIGHT	B
C2	2x1.5+1x1.5	6	KITCHEN +DINING LIGHT	R
C3	2x1.5+1x1.5	6	BEDROOM-1+ TOILET-1 LIGHT	Y
C4	2x1.5+1x1.5	6	STAIRCASE LIGHT	Y
C5	2x2.5+1x1.5	16	KITCHEN+DINING POWER POINT	R
C6	2x2.5+1x1.5	16	KITCHEN+W/M POWER POINT	R
C7	2x2.5+1x1.5	16	BEDROOM-1 POWER POINT	Y
C8	2x2.5+1x1.5	16	KITCHEN GYSER	Y
C9	2x2.5+1x1.5	16	TOILET-1 GYSER	B
C10	2x4+1x2.5	20	LIVING ROOM AC	R
C11	2x4+1x2.5	20	DINING AC	Y
C12	2x4+1x2.5	20	BEDROOM-1 AC	B
C13	2x1.5+1x1.5	6	BEDROOM-3+ TOILET-3 LIGHT	B
C14	2x1.5+1x1.5	6	BEDROOM-2+ TOILET-2+SERV TOILET LIGHT	Y
C15	2x1.5+1x1.5	6	LOUNGE AREA+ TOILET-4 LIGHT	R
C16	2x2.5+1x1.5	16	BEDROOM-2+BEDROOM-3 POWER POINT	R
C17	2x2.5+1x1.5	16	TOILET-3 GYSER	R
C18	2x2.5+1x1.5	16	TOILET-2 GYSER	Y
C19	2x2.5+1x1.5	16	TOILET-4 GYSER	B
C20	2x4+1x2.5	20	BEDROOM-3 AC	R
C21	2x4+1x2.5	20	BEDROOM-2 AC	Y
C22	2x4+1x2.5	20	LOUNGE AREA AC	B
C23	2x1.5+1x1.5	6	SERVANT ROOM +TERRACE LIGHT	Y
C24	2x2.5+1x1.5	16	SERVANT TOILET GYSER	B
C25 TO C30			SPARES	

INCOMER :- 63 AMP FP MCB

INCOMER :- 4X6+2X4 SQ. MM. CU.CABLE (40 MM Ø CONDUIT)

LEGEND : (Electrical)

S.NO.	SYMBOL	DESCRIPTION	HEIGHT IN MM
1.		LIGHT POINT/ WALL BRACKET	2100
2.		CEILING LIGHT (SURFACE)	CEILING
2A.	E	CEILING LIGHT (UPS) (SURFACE)	CEILING
3.		MIRROR LIGHT	2000
4.		1200MM DIA CEILING FAN (BEDROOM)	CEILING
5.		EXHAUST FAN / CEILING ROSE	2150/2400
6.		BULK HEAD LIGHT	AS PER SITE
7.		6 AMP PLUG POINT (FOR R.O.)	1500
8.		6 AMP PLUG POINT (BED SIDE)	550
9.		6 /16 AMP POWER POINT WITH SWITCH (BED SIDE)	550
10.		2NOS. 6 AMP SOCKET WITH 2NOS. SWITCH (FOR T.V. & SET TOP BOX)	1050
11.		6 AMP PLUG POINT	1050
12.		6 AMP SOCKET FOR INLINE FAN	2400
13.		6 /16 AMP POWER POINT WITH SWITCH	1050
14.		16 AMP. POWER POINT WITH SWITCH (FOR KITCHEN GEYSER)	1500
15.		16 AMP. POWER POINT (FOR TOILET GEYSER)	2150
16.	AC	25 AMP. AC POINT SOCKET	550
17.	J	6AMP SOCKET FOR CHIMNEY	2050
18.		TELEPHONE POINT (BED SIDE)	550
19.		T.V. ANTENNA POINT	1050
20.	C	CALL BELL PUSH	1250
21.	B	BUZZER	2150
22.		SWITCH BOARD	1050
23.		SWITCH BOARD (BED SIDE)	550
24.		CHANDELIER	CEILING
25.		DISTRIBUTION BOARD (BOTTOM)	1500
26.		AC INDOOR UNIT	
27.		AC COPPER PIPE	
28.		AC DRAIN PIPE	

DB DETAIL

CKT NO.	LOCATION	LIGHT (28W)	FAN(80 WATT)	EX. FAN (30 W)	CHENDELIAR (250W)	6A SOCKET (100W)	16A SOCKET (500W)	GYSER (1500W)	AC (2000W)	LOAD R	LOAD Y	LOAD B
C-1	LIVING ROOM+ FOYER LIGHT	7	1		1	4						835
C-2	KITCHEN +DINING LIGHT	10	2	2		3				800		
C-3	BEDROOM-1+ TOILET-1 LIGHT	5	1	1		4					650	
C-4	STAIRCASE LIGHT	7									196	
C-5	KITCHEN+DINING POWER POINT						2			1000		
C-6	KITCHEN+W/M POWER POINT						2			1000		
C-7	BEDROOM-1 POWER POINT						1				500	
C-8	KITCHEN GYSER							1			1500	
C-9	TOILET-1 GYSER							1				1500
C-10	LIVING ROOM AC								1	2000		
C-11	DINING AC								1		2000	
C-12	BEDROOM-1 AC								1			2000
C-13	BEDROOM-3+ TOILET-3 LIGHT	6	1	1		5						700
C-14	BEDROOM-2+ TOILET-2+SERV TOILET LIGHT	9	1	2		5					892	
C-15	LOUNGE AREA+ TOILET-4 LIGHT	5	1	1		5				750		
C-16	BEDROOM-2+BEDROOM-3 POWER POINT						2			1000		
C-17	TOILET-3 GYSER							1		1500		
C-18	TOILET-2 GYSER							1			1500	
C-19	TOILET-4 GYSER							1				1500
C-20	BEDROOM-3 AC								1	2000		
C-21	BEDROOM-2 AC								1		2000	
C-22	LOUNGE AREA AC								1			2000
C-23	SERVANT ROOM +TERRACE LIGHT	6	1			1					348	
C-24	SERVANT TOILET GYSER							1				1500
	TOTAL ELECTRICAL POINTS	29	4	3	1	11	7	TOTAL LOAD PER PHASE		10050	9586	10035

REV. NO.	DATE	DESCRIPTION

REVISIONS:

APPROVED BY

DEPARTMENT	STAMP
ARCHITECTURE	
STRUCTURE	
ELECTRICAL	
SERVICES	
LANDSCAPE	

PROJECT:
HI-TECH CITY LUCKNOW

CLIENT:
OMAXE
TURNING DREAMS INTO REALITY

STAMP

9.5X16 VILLA
48,51,71 TO 76,79,97,100,101,118,119,154 & 157

DRG. NO. LKO/VILLA/9.5x16/EL-01

DRG. TITLE
9.5x16 VILLA
GROUND FLOOR

SCALE:	DATE (RO):	REVISION	REV. DATE :	N
DRAWN BY:	CHECKED BY:	STATUS:		

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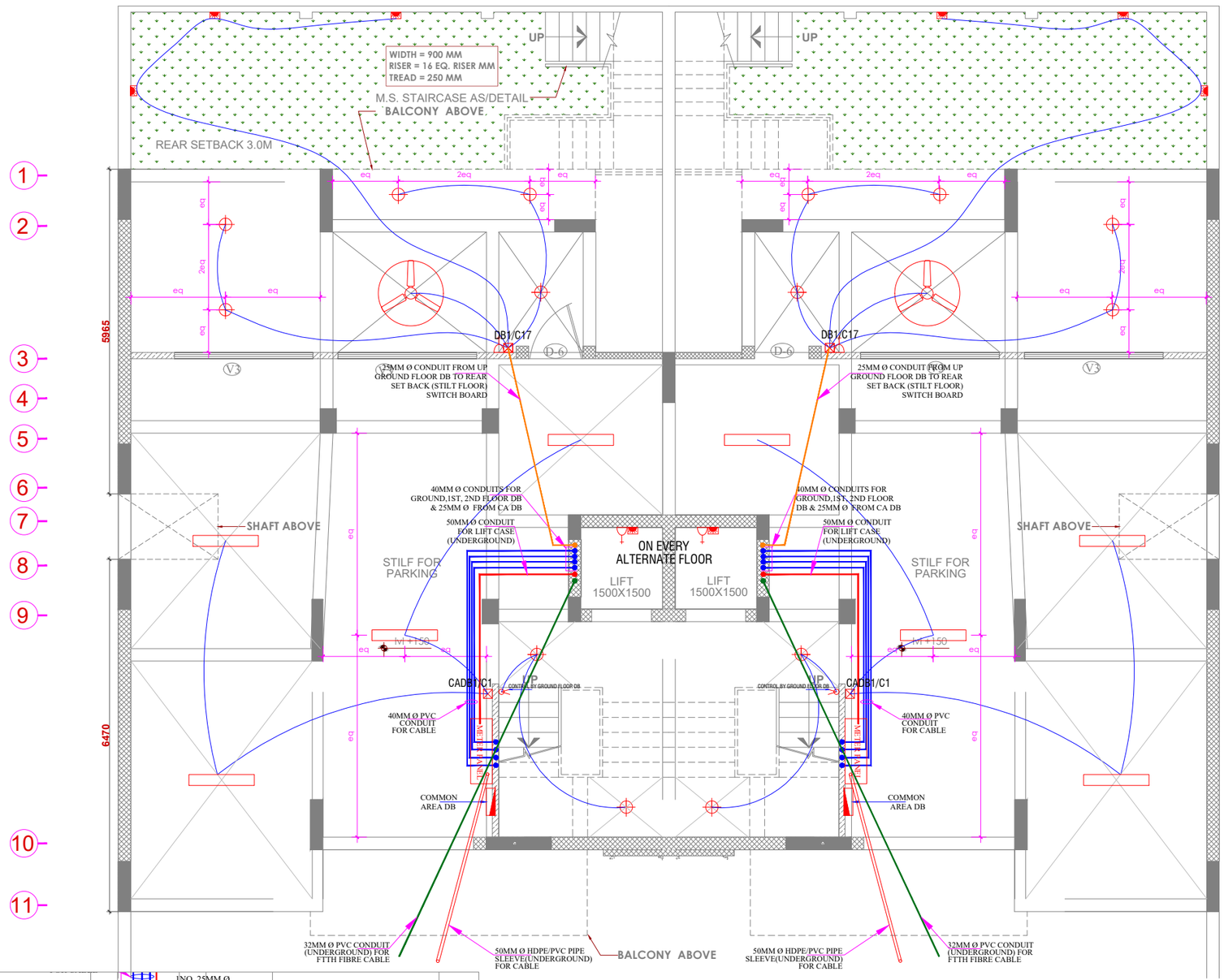

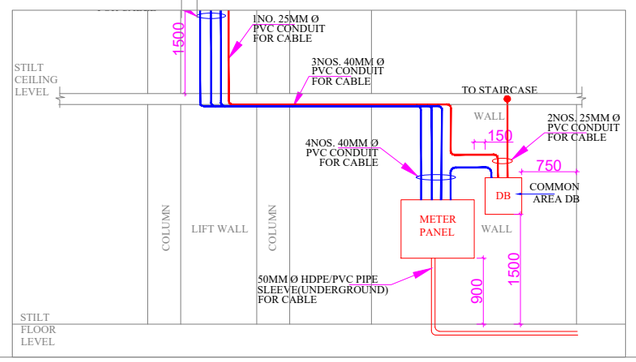

COMMON AREA DISTRIBUTION BOARD : (1) (8 WAY - SPN)
LOCATION - STILT FLOOR

CKT. NO.	WIRE SIZE IN SQ M.M.	SP. MCB'S RATING IN AMP	LOCATION
C–1	3 x 1.5	6	SLILT LIGHT
C–2	3 x 1.5	6	STAIRCASE
C–3	3 x 1.5	6	STORE ROOM + TOILET + TERRACE
C–4 TO C–6			SPARES
INCOMER :–	32 AMP DP MCB		
SUBMAIN :–	2X6+1X4 SQ. M. M.		(32ø CONDUIT)

LEGEND : (Electrical)

SYMBOL	DESCRIPTION
	CEILING LIGHT (SURFACE)
	DISTRIBUTION BOARD (BOTTOM)
	BULK HEAD LIGHT
	6 AMP PLUG POINT (FOR R.O.)
	T5 LIGHT

Notes : (Electrical)

1. R, Y & B indicates phases.
2. The number written near the switch board and power points indicates circuit number. for detail of circuits refer distribution board charts.
3. The size of wires from switch board to different light and fan points shall be 1.5 sq. m.m.
4. For secondary power point the circuit wire shall be looped from first power point by 2 x 2.5 sq.mm. (Wherever specified)
5. 6 amp. switch socket shall be connected to the lighting ckt. of that area by 1.5 sq.mm..
6. The size of submain conduit from electrical shaft to each flat D.B. shall be 25 / 32 / 40 Ø (as mention in D. B. schedule).
7. TV / Tel. conduit sizes shall be :
   a) From LV shaft to TV / Tel junction box : 2 nos. 25Ø (1 No. for T.V. & 1 No. for Telephone / Data / Intercom)
   b) From TV / Tel J. B. to further distribution : 25 mm dia.
8. The conduits used for wiring shall be as follows :
   a) PVC - Heavy duty (2 mm thick) : In RCC slab / RCC Wall
   b) PVC - Medium duty (1.6 mm thick) : In brick wall / Block Work
   c) The minimum conduit size in RCC Slab / RCC Wall shall be : 25 mm dia.
   d) M.S.(16 SWG) : All surface conduit inside shaft
9. Parking / Corridor / Staircase lights shall be directly controlled from MCB - DB through 2 x 1.5 sq.mm wires as shown in drawings.
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17. In case of any discrepancy in the drawing, the same may be brought to the notice of electrical consultant for approval before execution.
18. The Earth Continuity wire has to be laid for all electrical outlets / sockets / light / fan points. Size of earth wire shall be as follows : -

Phase Wire (sq.mm.)	2x1.5	2x2.5	2x4	2x6	2x10	2x16	4x6	4x10	4x16
Earth Wire (sq.mm.)	1x1.0	1x1.5	1x2.5	1x4	1x6	1x6	2x4	2x6	2x6

REV. NO.	DATE	DESCRIPTION

REVISIONS:

APPROVED BY

DEPARTMENT	STAMP
ARCHITECTURE	
STRUCTURE	
ELECTRICAL	
SERVICES	
LANDSCAPE	

PROJECT:
10X20 HI-TECH,LUCKNOW
PLOT 49 TO 53 & 56 TO 60

CLIENT:
OMAXE
TURNING DREAMS INTO REALITY

STAMP

DISCIPLINE
ELECTRICAL DRAWING

DRG. NO. LKO/HI-TECH/10X20/EL-01

DRG. TITLE 10 X 20 RESIDENTIAL PLOT
STILT FLOOR
ELECTRICAL LAYOUT

SCALE:	DATE (RO):	REVISION	REV. DATE :
DRAWN BY:	CHECKED BY:	STATUS:	

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