

CLIENT TO PROVIDE FOLLOWING ITEMS PER ELEVATOR

- 1. ADEQUATE VENTILATION FOR HEAD ROOM WITH RAIN PROTECTED WINDOWS OR LOUVERS OR AIR. CONDITIONING SYSTEM IN HEAD ROOM (SMOKE WINDOW SIZE 450*450).
- 2. POWER AND LIGHTING CIRCUITS AND SWITCHES :-
 - A. 3 PHASE POWER WIRING (FEEDER SIZE 4 SQmm TO BE PROVIDED AND TERMINATED ON RCB (MAIN SWITCH) IN HEAD ROOM.
 - B. ADEQUATE PERMANENT LIGHTING TO BE PROVIDED IN THE HEAD ROOM AND HOIST WAY.
 - C. CONVENIENT OUT LET 15A / 5A – 2NO IN THE HEAD ROOM FOR USE OF POWER TOOLS BY ERECTOR.
 - D. LIGHTING IN PIT WITH 5 AMPS OUTLET AND SWITCH LOCATED AT 1525mm ABOVE LOWEST LANDING FOR EACH ELEVATOR
 - E. SINGLE PHASE LIGHTING WIRING FOR CAR LIGHTING TO BE PROVIDED AND TERMINATED ON SPN – MCB IN HEAD ROOM.
 - F. WIRING FOR SPN–MCB TO BE PROVIDED, TERMINATED ON AN OUTLET 5 AMPS NEAR & ABOVE THE CONTROLLER.
 - G. 1 NO’S RESIDUAL CURRENT CIRCUIT BREAKER MAIN SWITCH RATING 20A.
 - H. 2 NO’S SPN – MCB RATINGS 10 AMPS.
- 3. SUITABLE SMOKE WINDOW WITH LOVERS TO HEAD ROOM.
- 4. REINFORCED CONCRETE PIT 200mm THICK DESIGNED TO SUSTAIN MIN 1000 KGS.
- 5. SUITABLE HOISTWAY WALLS TO FIX GUIDE RAILS BRACKETS AT MAX VERTICAL SPACING AS SHOWN ON SHAFT ELEVATION PLAN.
- 6. WALL POCKETS AS PER ERECTOR REQUIREMENTS WHICH SHOULD BE MADE GOOD TO FINAL FINISH.
- 7. GROUTING OF SILL IN PLACE FILLING IN & PATCHING AROUND ENTRANCE.
- 8. ENTRANCE FRAMES TO BE EXACTLY IN PLUM ONE ABOVE THE OTHER & SQUARE WITH HOISTWAY ENTRANCE DIMENSIONS BETWEEN FRAMES SHOULD BE MAINTAINED.
- 9. SCAFFOLDING FOR ERECTION AS PER OUR DRAWING.
- 10. CONTROL PANEL PLACED IN 4TH FLOOR

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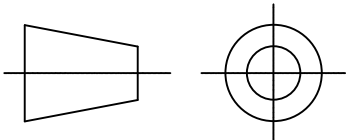
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TECHNICAL SPECIFICATIONS

LIFT TYPE.	MRL – PASSENGER LIFT
RATED LOAD	1360 KGS.
NUMBER OF PERSONS	20
RATED SPEED	1.0 m/s.
DRIVE SYSTEM	VVVF
TOTAL TRAVEL	15000mm.
NUMBER OF FLOORS	G + 4
CABIN ENTRANCE	01
LANDING DOOR OPENING	1200 – AUTOMATIC TELESCOPIC
CAR DOOR OPENING	1200 – AUTOMATIC TELESCOPIC
DOOR HEIGHT	2000mm
CABIN INSIDE WIDTH	1300mm
CABIN INSIDE DEPTH	2400mm
CABIN HEIGHT	2200mm
CABIN AREA	3.12 m ²
CAR PANEL FINISH	S.S HAIRLINE FINISH
ENTRANCE FRAME FINISH	S.S HAIRLINE FINISH
DOOR FINISH	S.S HAIRLINE FINISH
CAR D.B.G	1500mm
C.W.T D.B.G	1250mm
CAR GUIDE RAILS	89 X 62 / 16mm
C.W.T GUIDE RAILS	72 X 65 / 9mm

CAR BUFFERS	SPRING
C.W.T BUFFERS	SPRING
CONTROL SYSTEM	FULL COLLECTIVE CONTROL
MACHINE	MGI 37S– GEARLESS MACHINE
MACHINE SHEAVE DIAMETER	320mm.
DIVERTOR PULLEY	320mm–2No’s & 400mm–1NO
ROPING ARRANGMENT	2 : 1
ELECTRICAL SUPPLY	* 415V, 3PH FOR MACHINE. * 230V, 1PH FOR SHAFT LIGHT.
SUSPENSION ROPES	8mm X 8 NO’S
FLOOR TYPE	PVC MAT FINISH
CEILING TYPE	AS PER STANDARD
COP / LOP DISPLAY	AS PER STANDARD
COP / LOP PANEL	S.S HAIRLINE FINISH.
INDICATION IN LOP/COP	UP / DOWN DIRECTION ARROW FLOOR DISPLAY @ ALL LANDINGS.
SAFETY FEATURES	* ARD * EMERGENCY ALARM * EARTHING OF ALL COMPONENTS * EMERGENCY STOP INSIDE CAR CABIN * OVER LOAD DEVICE * FLOOR ANNOUNCIATOR * FIREMAN SWITCH

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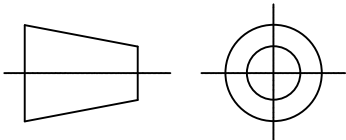
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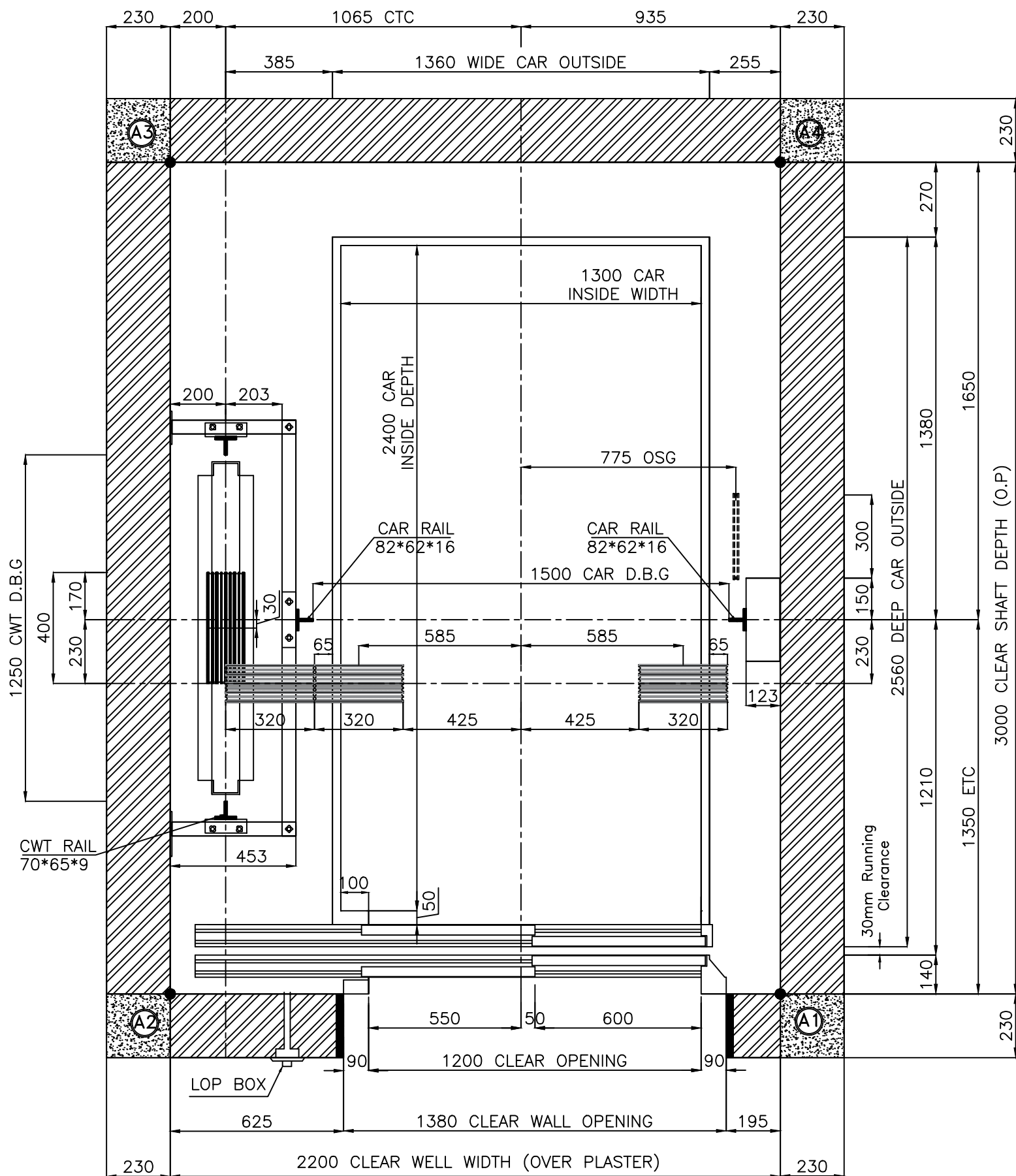
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LIFT WELL & CAR PLAN

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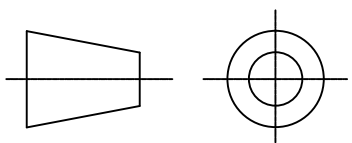
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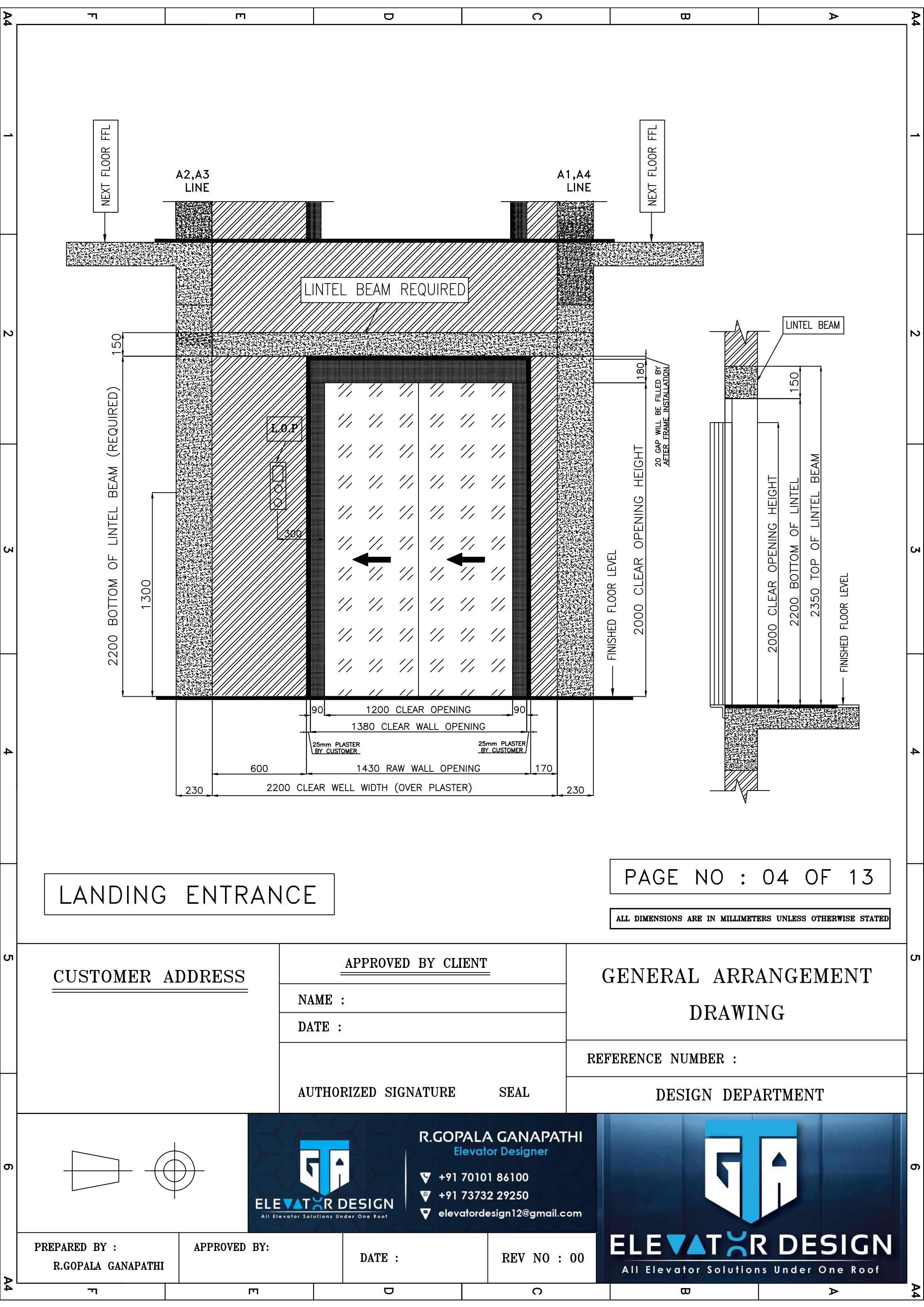


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LANDING ENTRANCE

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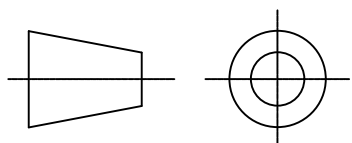
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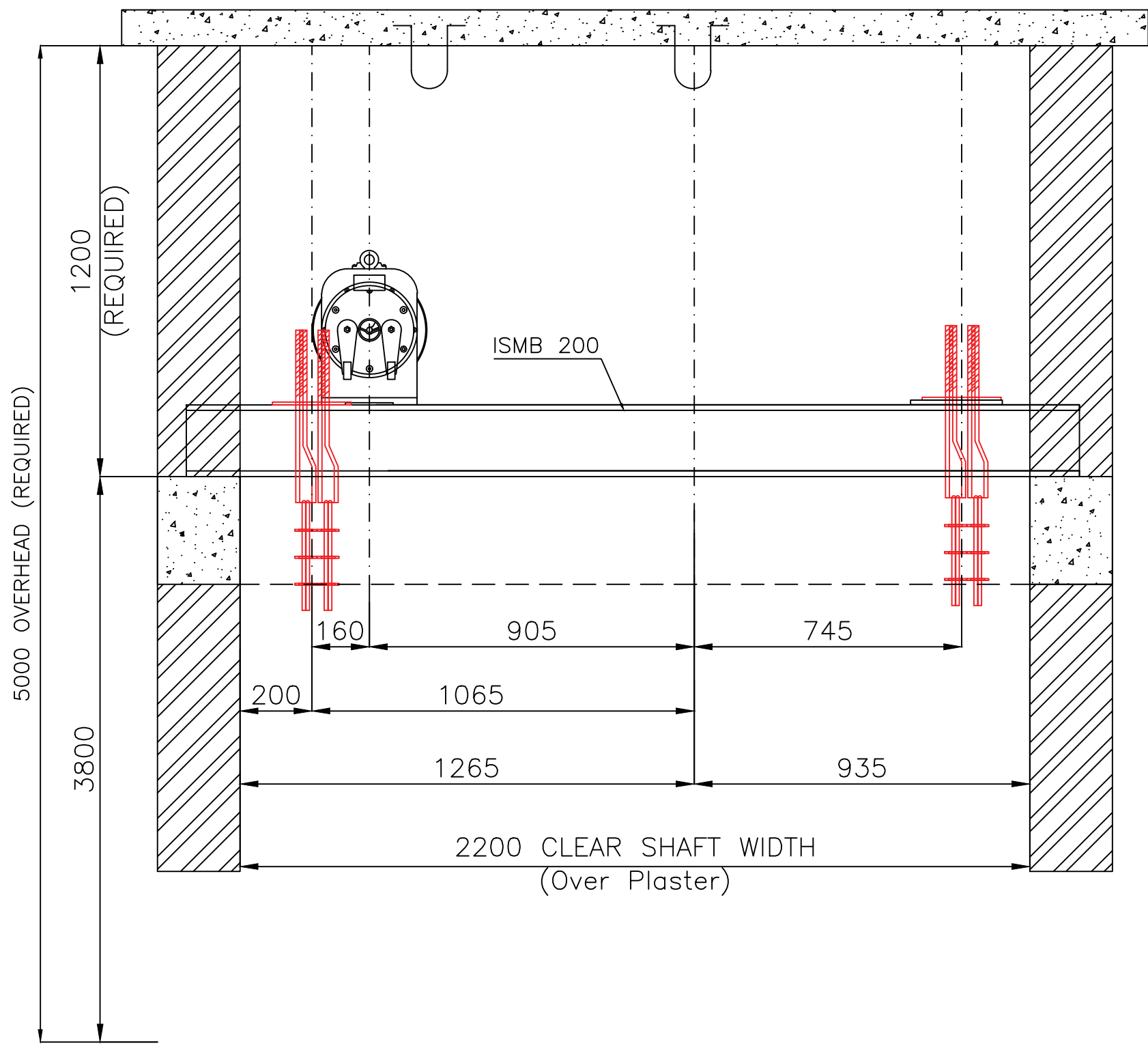


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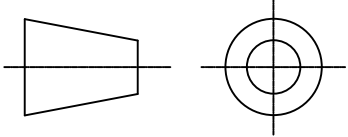
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MACHINE BEAM SECTIONAL VIEW

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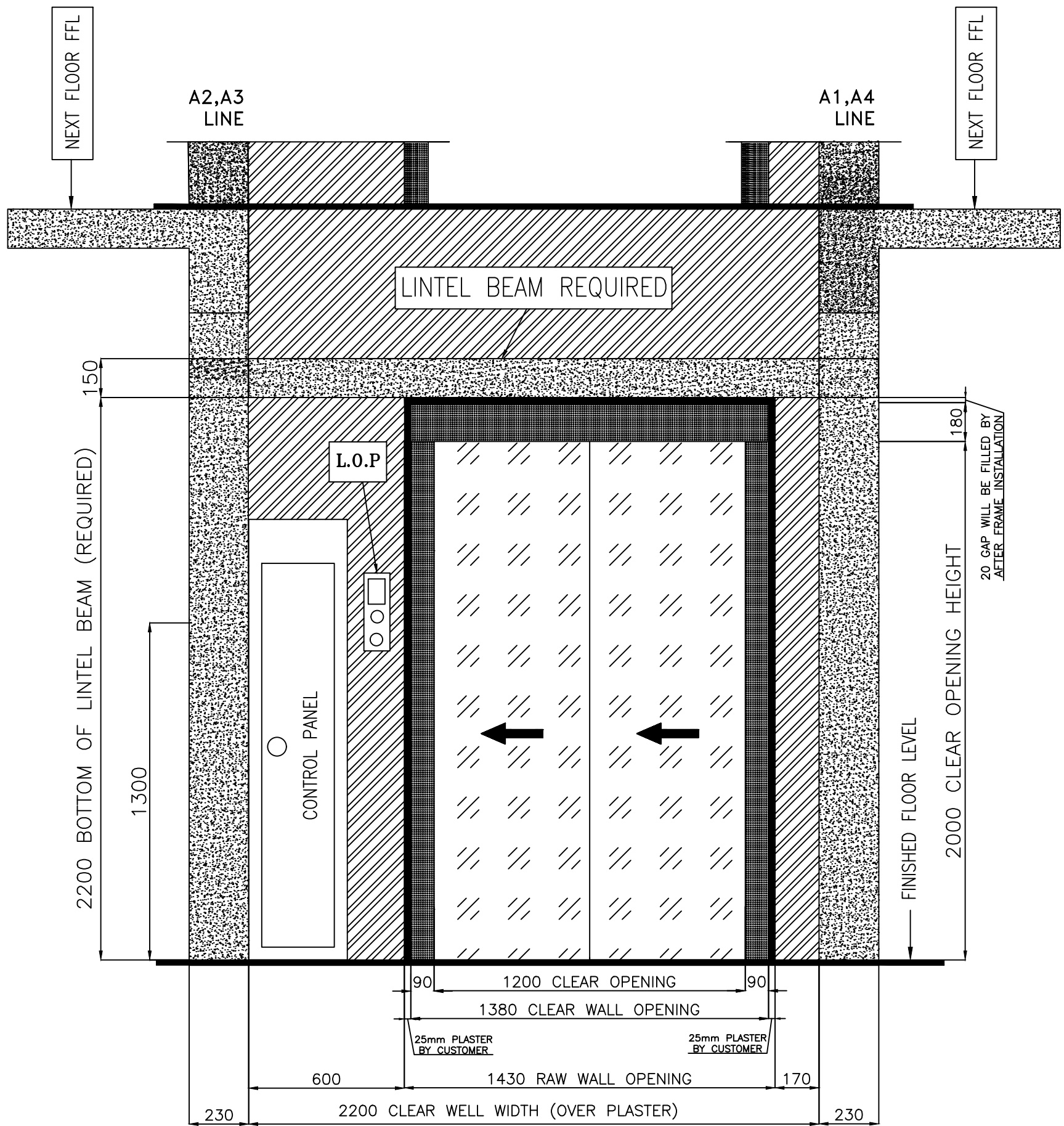
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CONTROL PANEL IN 4TH FLOOR

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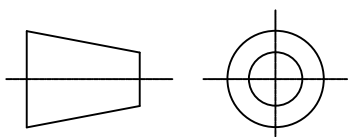
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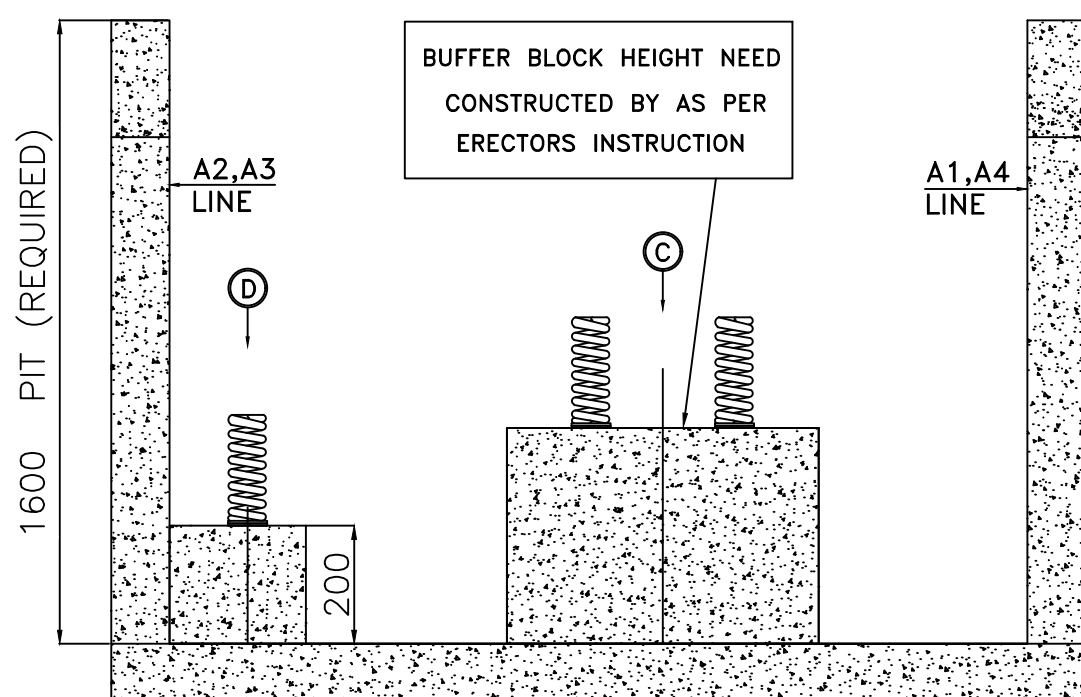
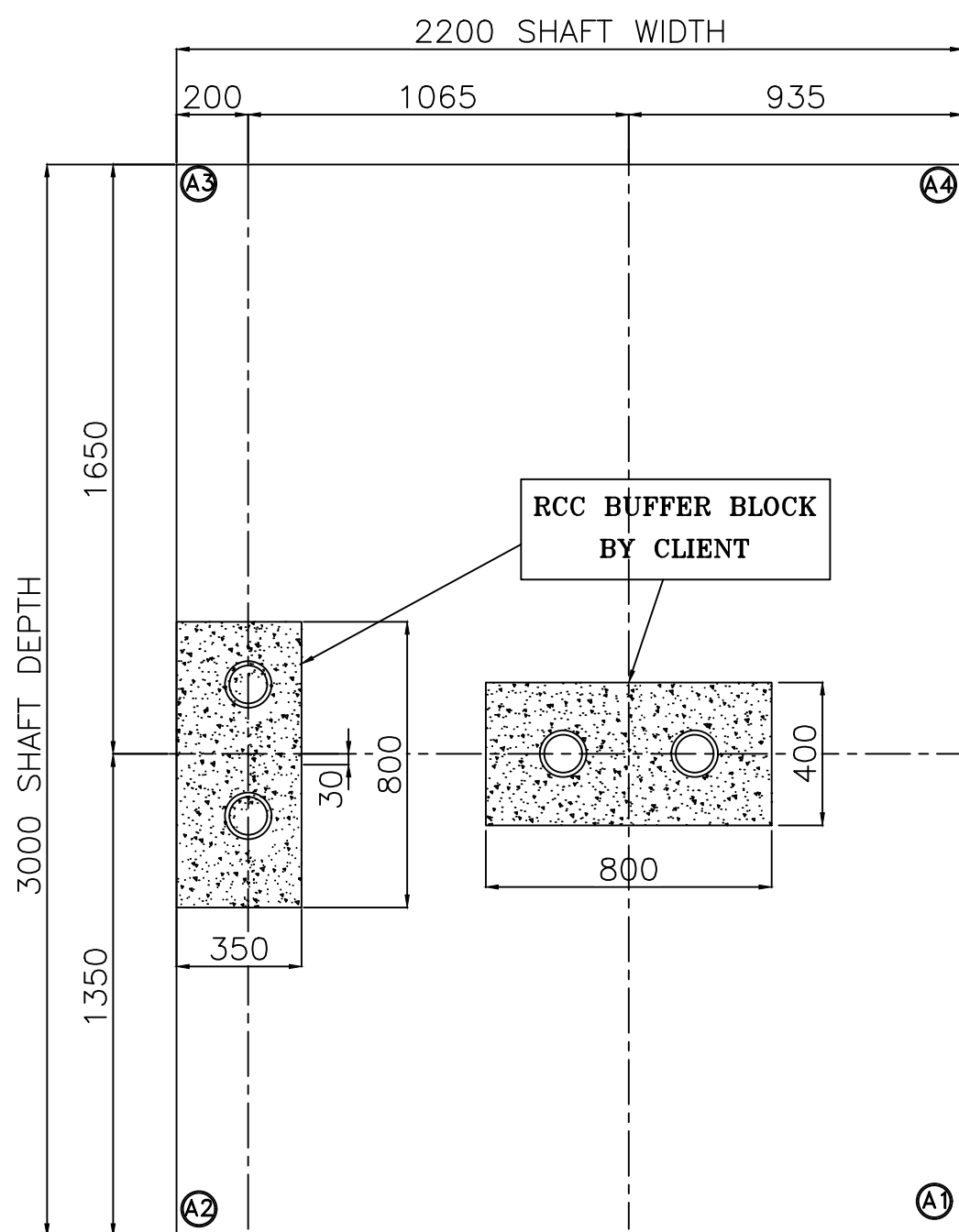
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RCC BUFFER BLOCKS DETAILS AT PIT LEVEL

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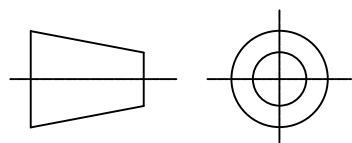
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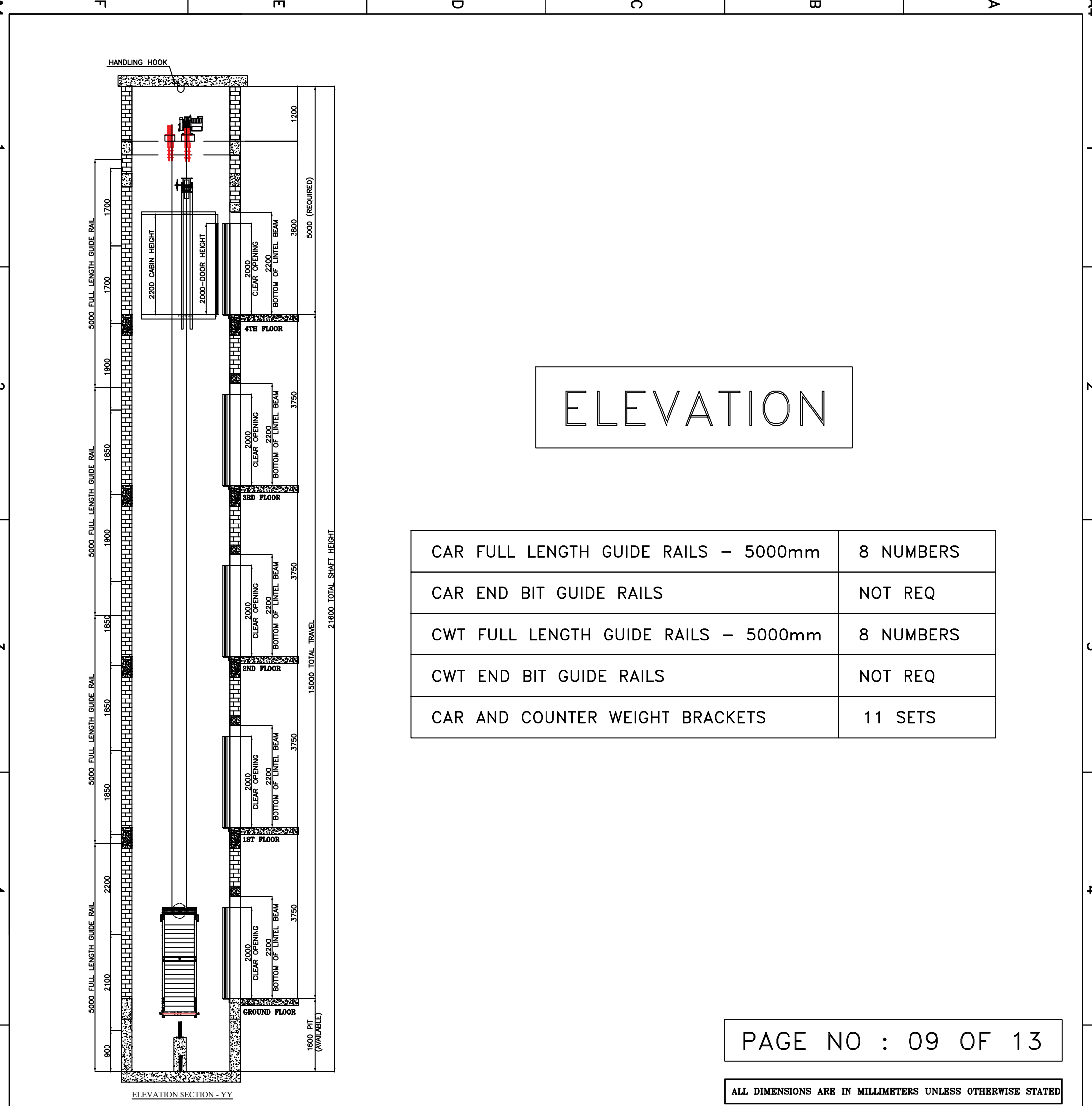
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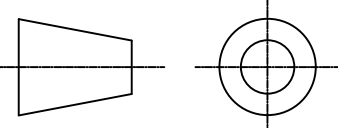
ELEVATION

CAR FULL LENGTH GUIDE RAILS – 5000mm	8 NUMBERS
CAR END BIT GUIDE RAILS	NOT REQ
CWT FULL LENGTH GUIDE RAILS – 5000mm	8 NUMBERS
CWT END BIT GUIDE RAILS	NOT REQ
CAR AND COUNTER WEIGHT BRACKETS	11 SETS

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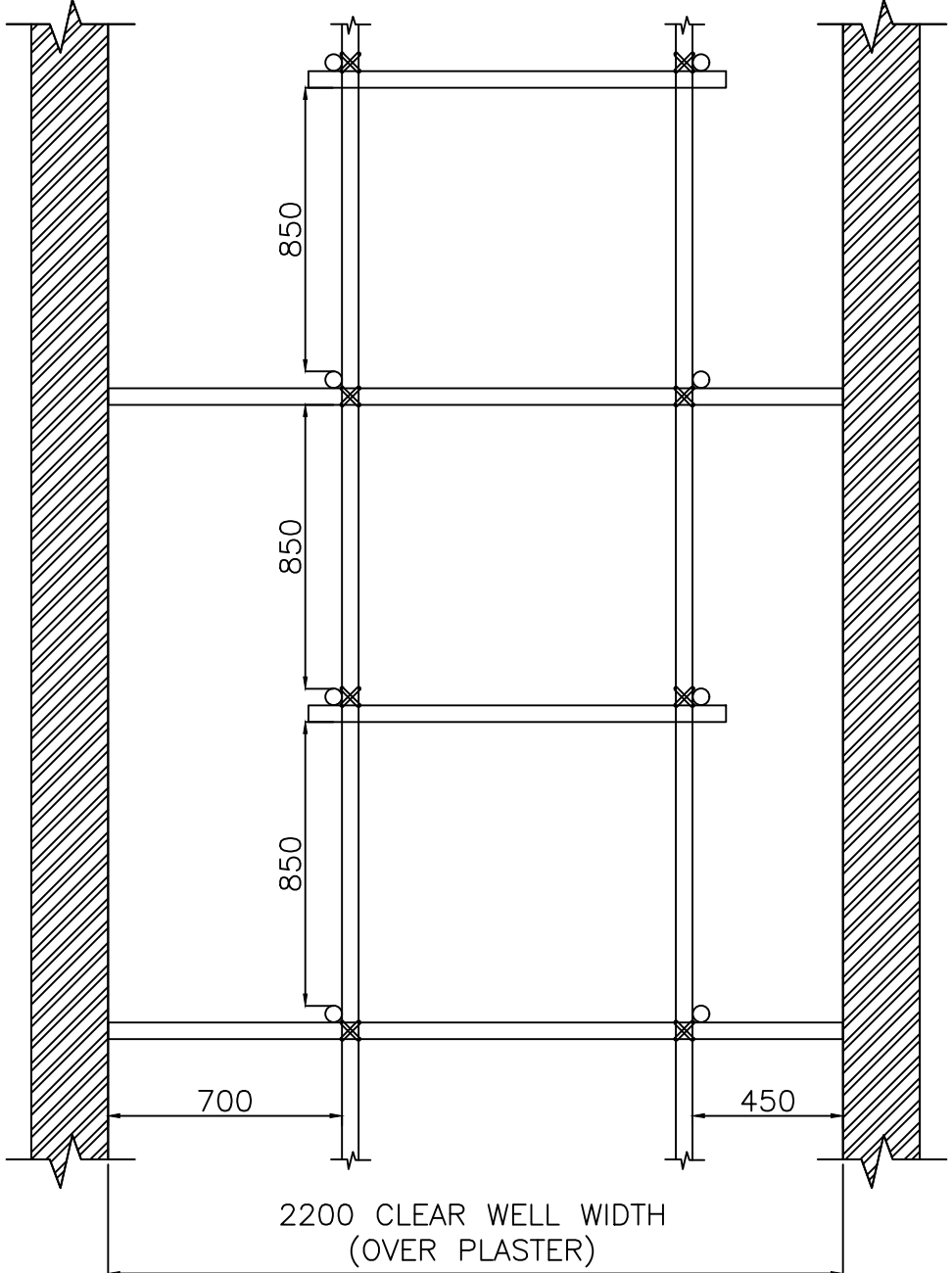
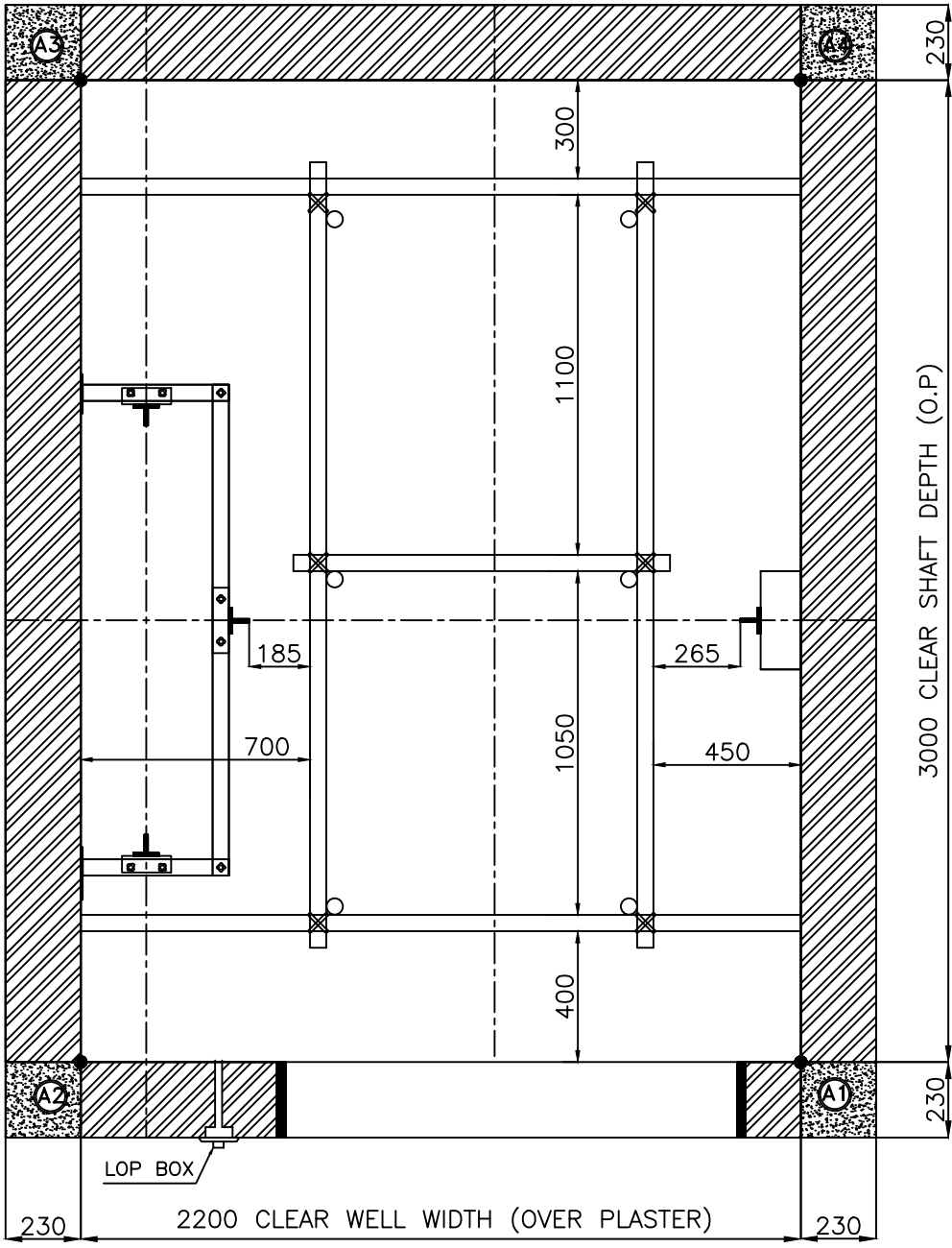
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SCAFFOLDING DETAILS

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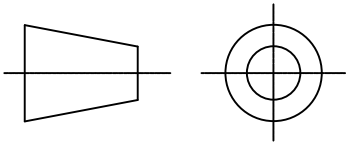
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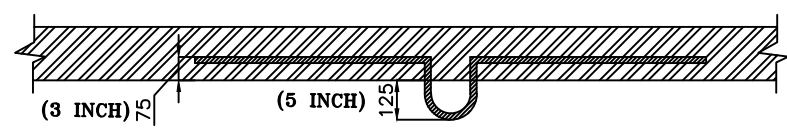
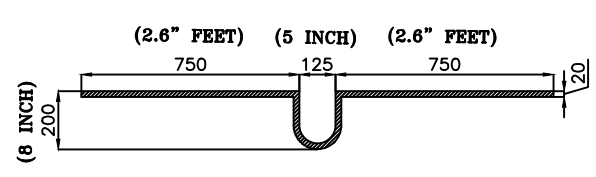
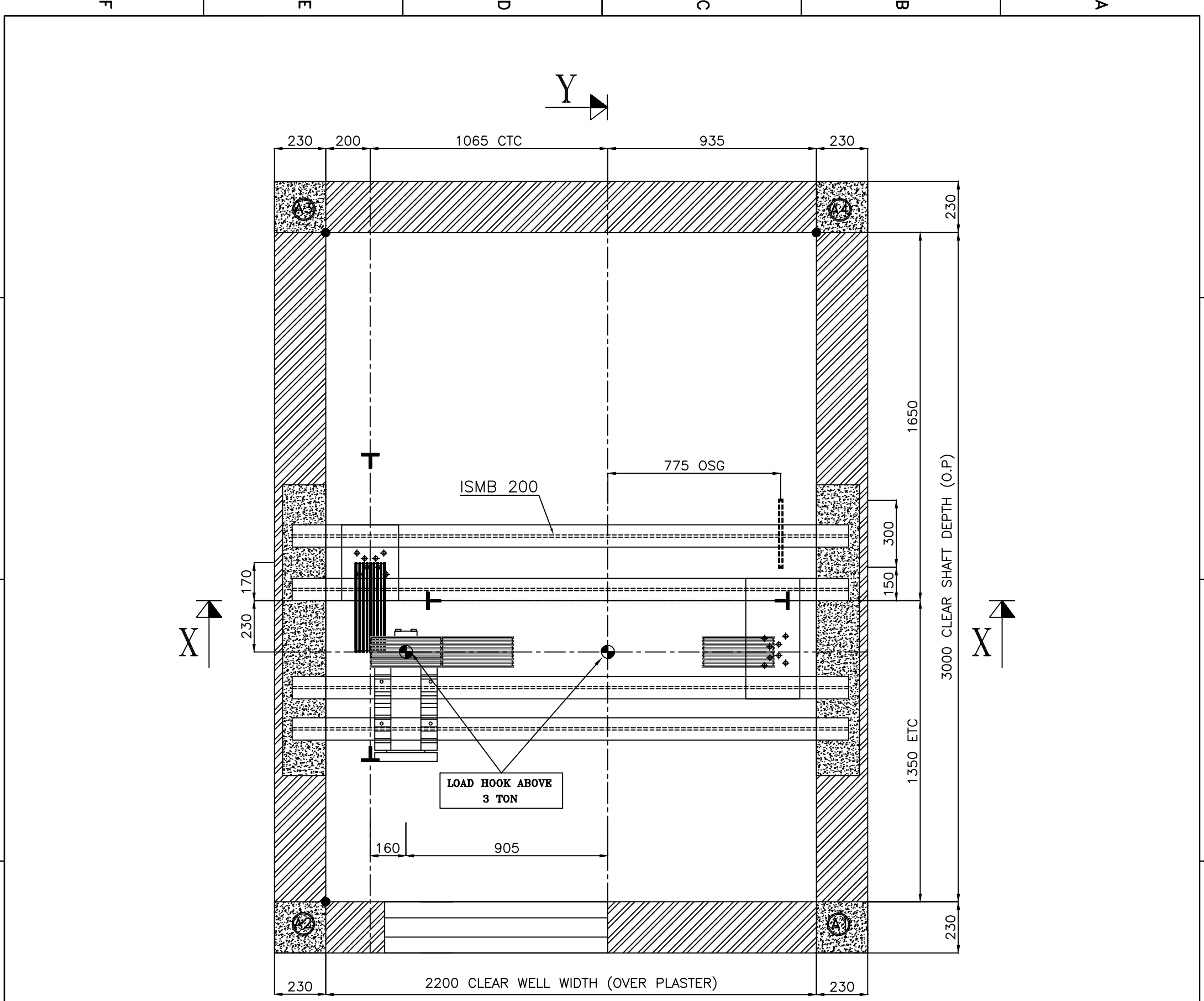


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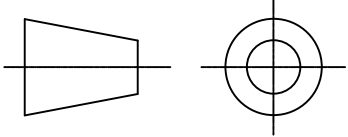


LOAD HOOK

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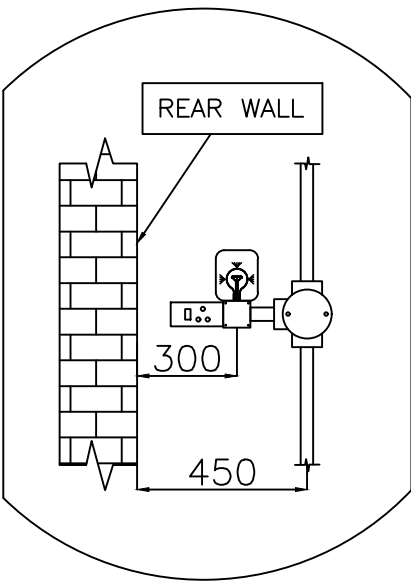
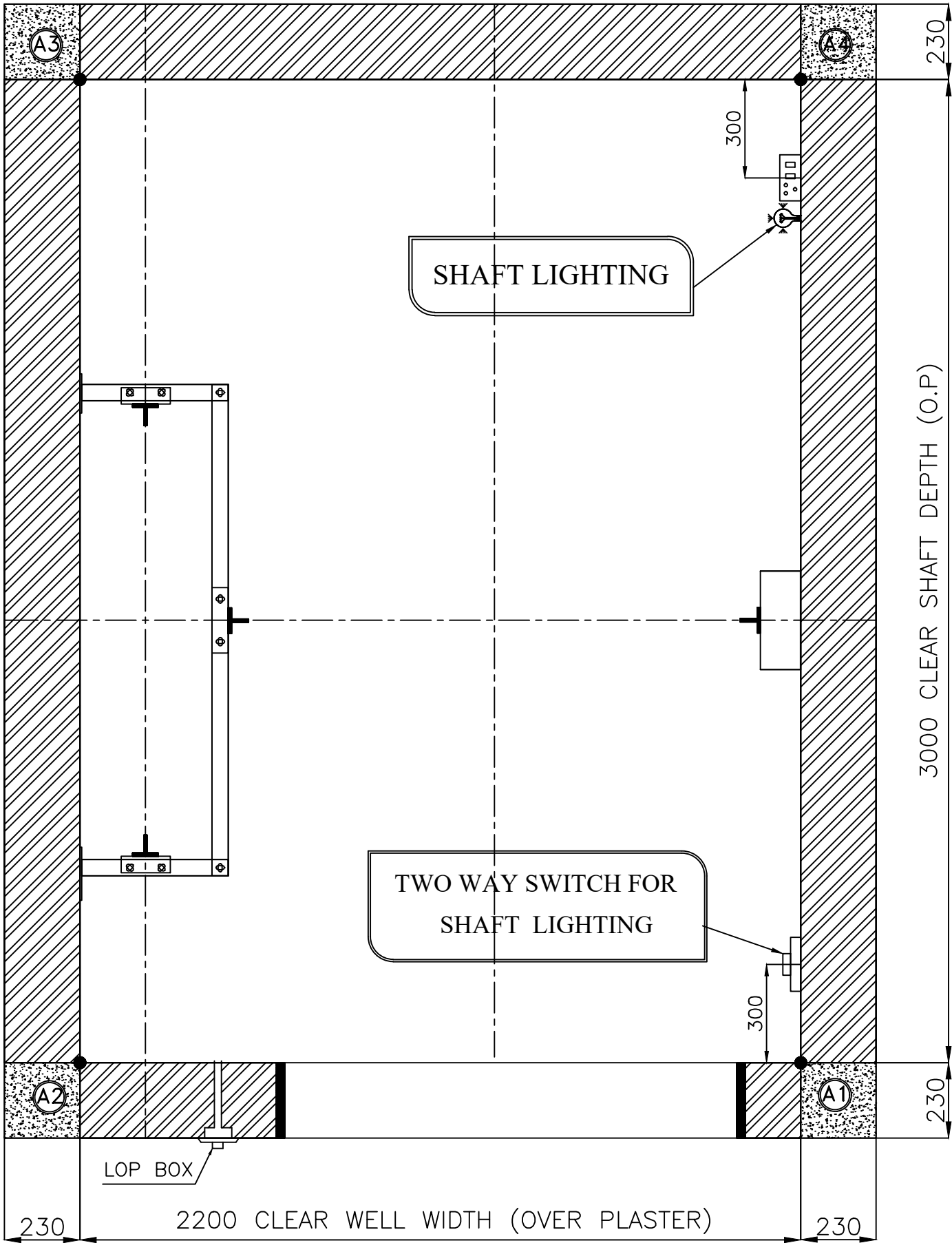
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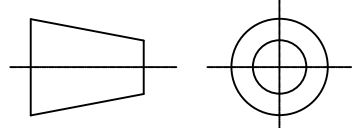


SHAFT LIGHT

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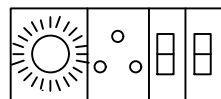
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ELECTRICAL INSTRUCTION LIST

- 1) 1, 2, 3, 4, 5, 6, 7 LIGHTING POINTS IN LIFT SHAFT WITH 3 PIN PLUG AND HOLDER WITH LAMP 9 WATT
(LIGHT POINT & POWER POINT ALTERNATE FLOOR PROVIDE)
- 2) 3 ϕ CABLE 4 CORE 4 SQ.MM. PVC ARMOURED CABLE FROM METER ROOM TO MACHINE ROOM FROM LIFT SHAFT WITH 32 AMP. IRON CLAD MAIN S/W IN METER ROOM & MACHINE ROOM (63 AMPS : 4CORE 6 SQ.MM.)
- 3) E. L. C. B. (EARTH LEAKAGE CIRCUIT BREAKER)
(1 NO. OF 3 PHASE E. L. C. B., 63A 4P ELCB)
- 4) LIGHTING WIRE 2.5 SQ. MM. 3 CORE WIRE WITH CONDUCTING FROM METER ROOM TO MACHINE ROOM THROUGH LIFT SHAFT.
- 5) SHAFT LIGHTING: -1.5 SQ.MM. 2 CORE WIRE WITH CONDUCTING FROM MACHINE ROOM TO BOTTOM OF LIFT SHAFT LIGHTING POINT ALL IN PARALLEL EVERY ALTERNATE FLOOR AND ONE IN LIFT PIT.
- 6) EARTHING (2 NOS.) 8 SWG. FROM METER ROOM TO MACHINE ROOM ALONG WITH MAIN AND LIGHTING CABLE THROUGH LIFT SHAFT.

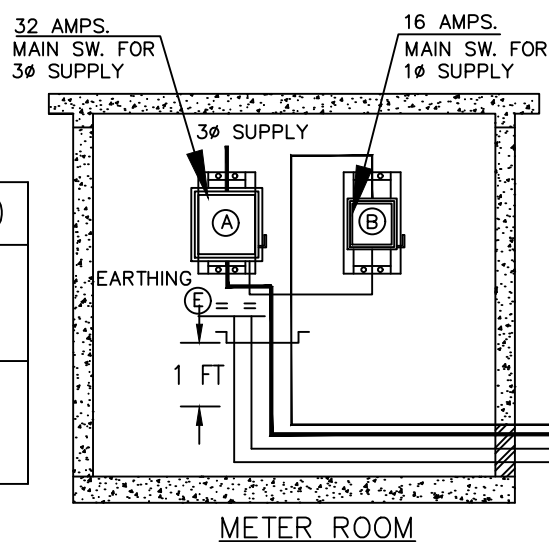
A-4P ELCB IN LIFT PANEL
B-LIFT LIGHT/SHAFT MAIN SWITCH 16 AMPS.IRON CLAD (3 NOS.)
C-EARTH LEAKAGE CIRCUIT BREAKER (E. L. C. B.- 1 NO.)
D-LIGHT BOARD
E-EARTHING (2 NOS.)

SR.NO.	AMP.	MOTOR (H.P.)
1	32 AMP (A)/16 AMP(B)	1] 5 H.P. 2] 7.5 H.P.
2	63 AMP (A)/16 AMP(B)	1] 10 H.P. 2] 15H.P.

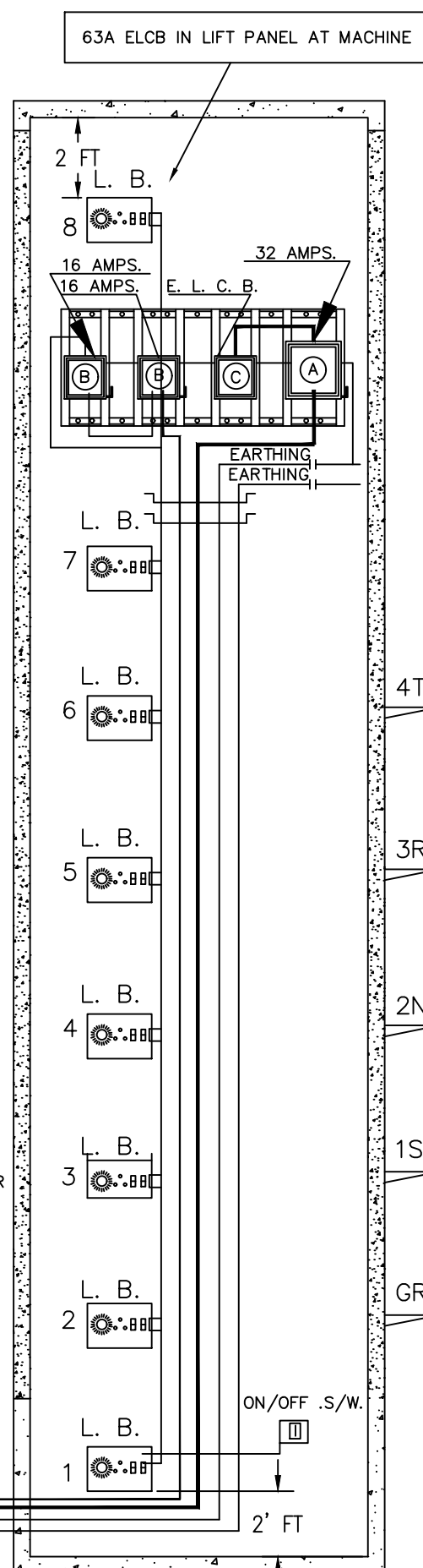


LIGHT BOARD

ⓓ



METER ROOM



SIDE VIEW OF LIFT SHAFT
FOR METER ROOM TO SUPPLY
SWITCHES WIRING FOR MRL LIFT

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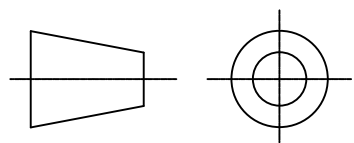
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