

OWNERS TO PROVIDE FOLLOWING ITEMS PER ELEVATOR

1. ADEQUATE VENTILATION FOR MACHINE ROOM WITH RAIN PROTECTED WINDOWS OR LOUVERS OR AIR. CONDITIONING SYSTEM IN MACHINE ROOM.
2. POWER AND LIGHTING CIRCUITS AND SWITCHES :-

A. 3 PHASE POWER WIRING (FEEDER SIZE 6 SQmm TO BE PROVIDED AND TERMINATED ON RCB (MAIN SWITCH) IN MACHINE ROOM.

B. ADEQUATE PERMANENT LIGHTING TO BE PROVIDED IN THE MACHINE ROOM AND HOIST WAY.

C. CONVENIENT OUT LET 15A / 5A IN THE MACHINE ROOM FOR USE OF POWER TOOLS BY ERECTOR.
3. SUITABLE ACCESS DOOR WITH LOVERS TO MACHINE ROOM.
4. SUITABLE HOISTWAY WALLS TO FIX GUIDE RAILS BRACKETS AT MAX VERTICAL SPACING AS SHOWN ON SHAFT ELEVATION PLAN.
5. WALL POCKETS AS PER ERECTOR REQUIREMENTS WHICH SHOULD BE MADE GOOD TO FINAL FINISH.
6. UNLOCKING DEVICE AT ALL LANDINGS.
7. GROUNTING OF SILL IN PLACE FILLING IN & PATCHING AROUND ENTRANCE.
8. STEEL DOOR FRAMES.

PAGE NO : 01 OF 12

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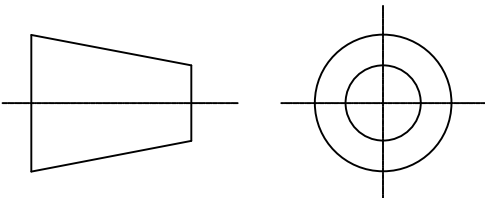
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ELEVATOR DESIGN
All Elevator Solutions Under One Roof

TECHNICAL SPECIFICATIONS

LIFT TYPE.	MRL – PASSENGER
RATED LOAD	408 KGS.
NUMBER OF PERSONS	06
RATED SPEED	1 m/s.
DRIVE SYSTEM	VVVF
TOTAL TRAVEL	13200mm
NUMBER OF FLOORS	G + 4
CABIN ENTRANCE	01
LANDING DOOR OPENING	700 – AUTOMATIC CENTER OPEN
CAR DOOR OPENING	700 – AUTOMATIC CENTER OPEN
DOOR HEIGHT	2000mm
CABIN INSIDE WIDTH	1200mm
CABIN INSIDE DEPTH	950mm
CABIN HEIGHT	2200mm
CABIN AREA	1.14 m ²
CAR PANEL FINISH	S.S HAIRLINE FINISH – 304
ENTRANCE FRAME FINISH	S.S HAIRLINE FINISH – 304
DOOR FINISH	S.S HAIRLINE FINISH – 304
CAR D.B.G	1330mm
C.W.T D.B.G	750mm
CAR GUIDE RAILS	70 X 65 / 9mm
C.W.T GUIDE RAILS	45 X 45 / 5mm

CAR BUFFERS	SPRING
C.W.T BUFFERS	SPRING
CONTROL SYSTEM	SIMPLEX FULL COLLECTIVE.
MACHINE	GEARLESS MACHINE
MACHINE SHEAVE DIAMETER	320mm.
DIVERTOR PULLEY	300mm – 3NO’S
ROPING ARRANGMENT	2 : 1
ELECTRICAL SUPPLY	* 415V, 3PH FOR MACHINE. * 230V, 1PH FOR SHAFT LIGHT.
SUSPENSION ROPES	4 NO’S * 8mm
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.
STANDARD FEATURES	* 2HRS FIRE RATED LANDING DOORS * AUTOMATIC RESCUE DEVICE * MULTI BEAM LIGHT CURTAIN IN THE CAR ENTRANCE * EMERGENCY ALARM * EMERGENCY LIGHT

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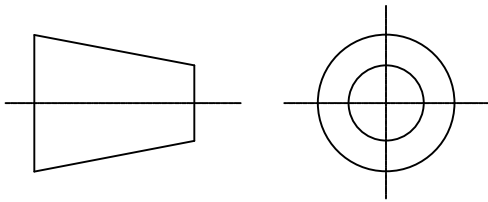
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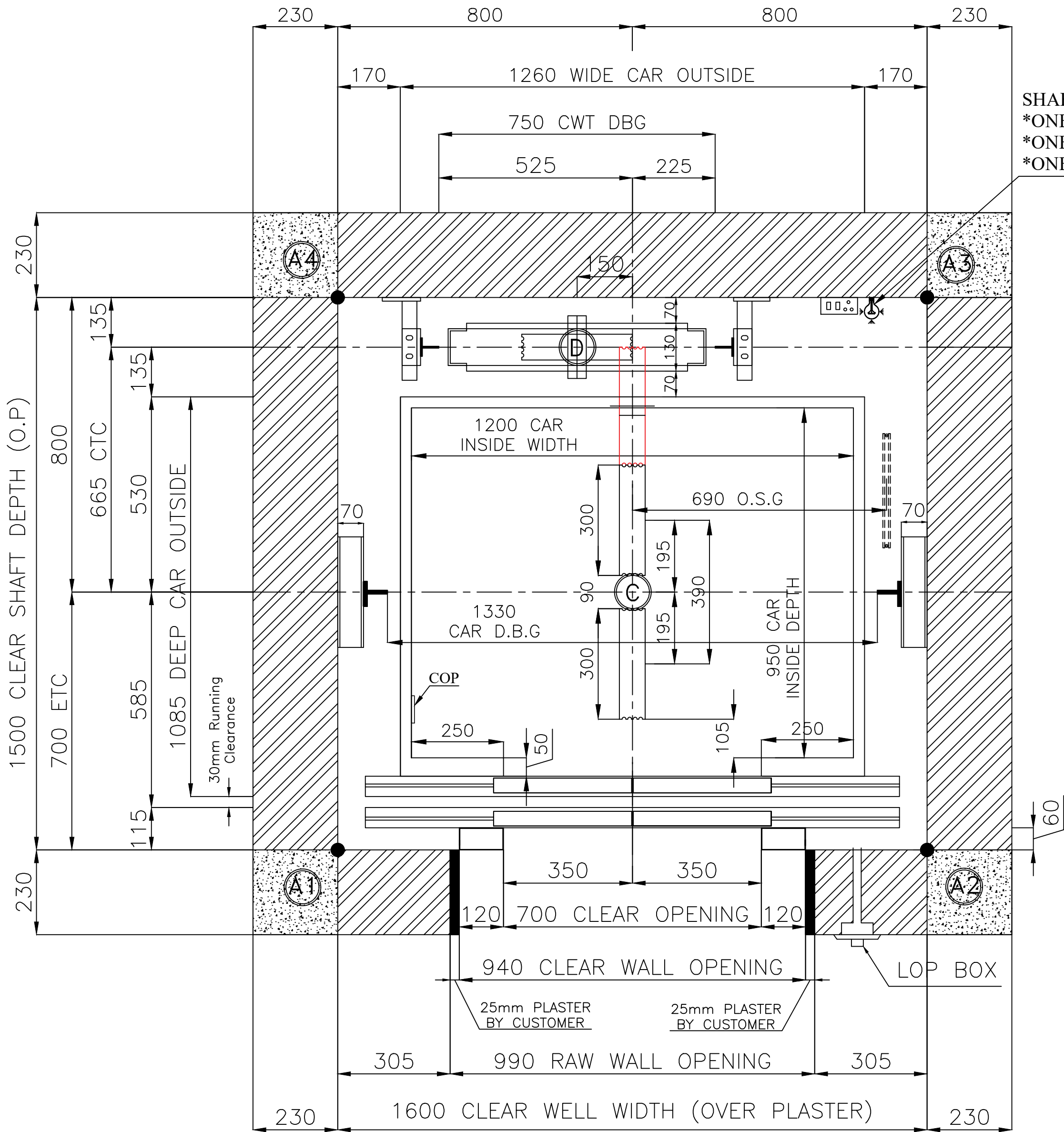


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SHAFT LIGHT
*ONE AT PIT
*ONE AT EVERY FLOOR MID
*ONE AT OVER HEAD

LIFT WELL & CAR PLAN

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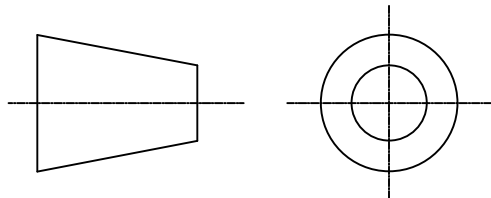
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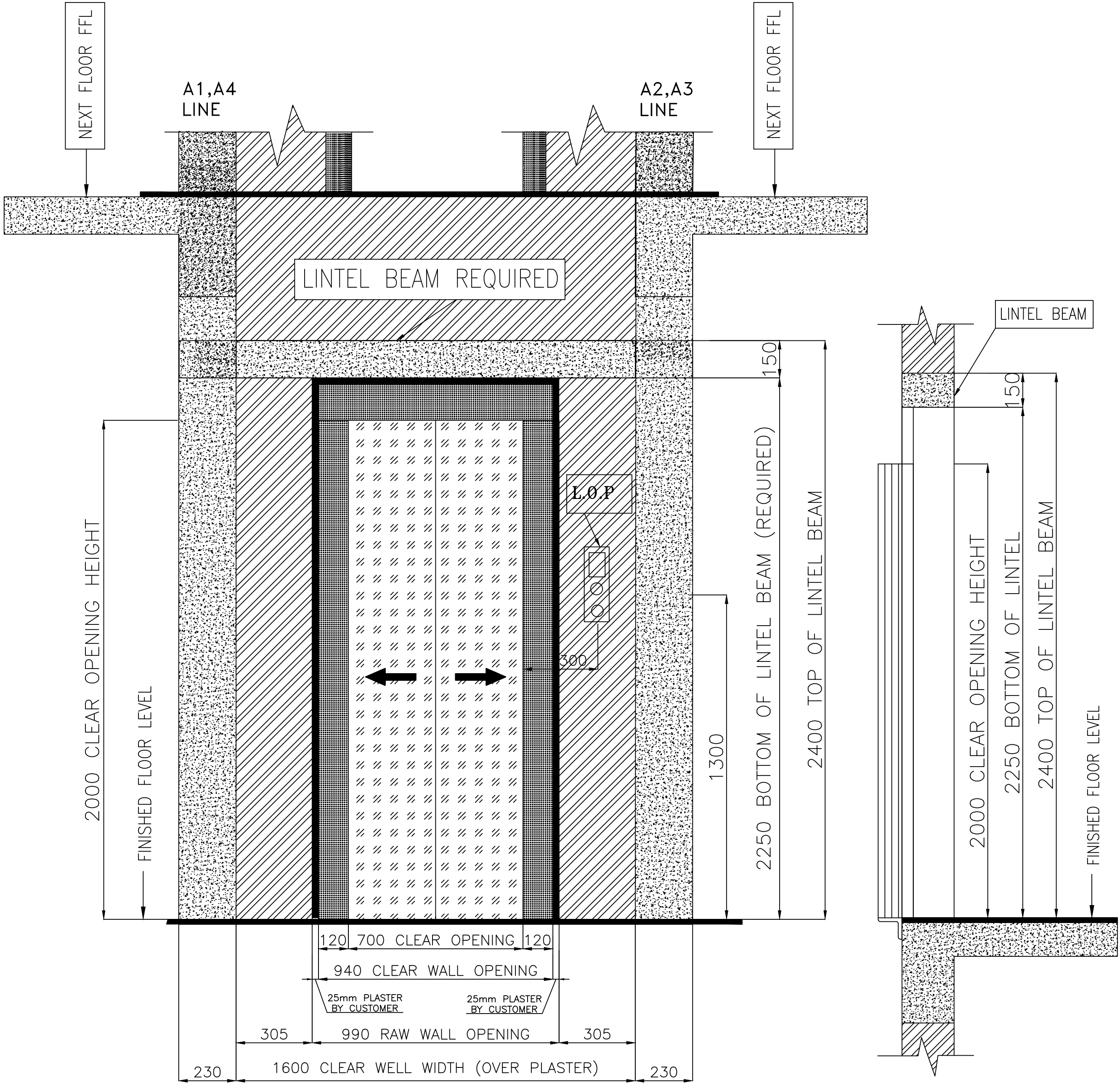
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LANDING ENTRANCE

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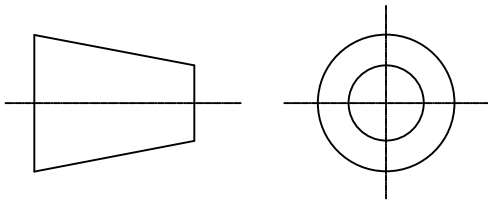
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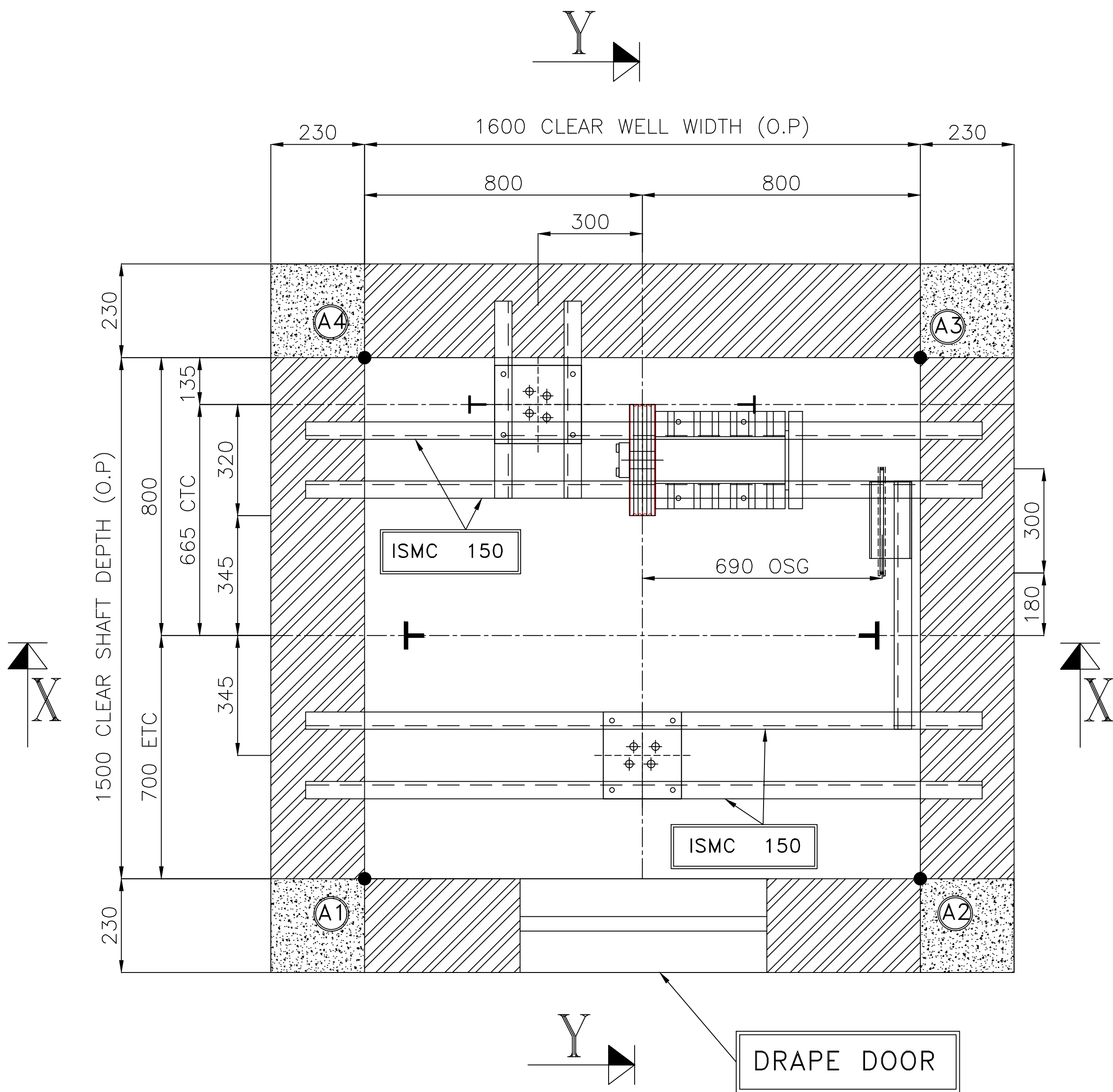
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MACHINE BEAM ARRANGEMENT

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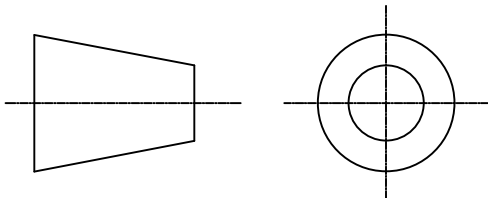
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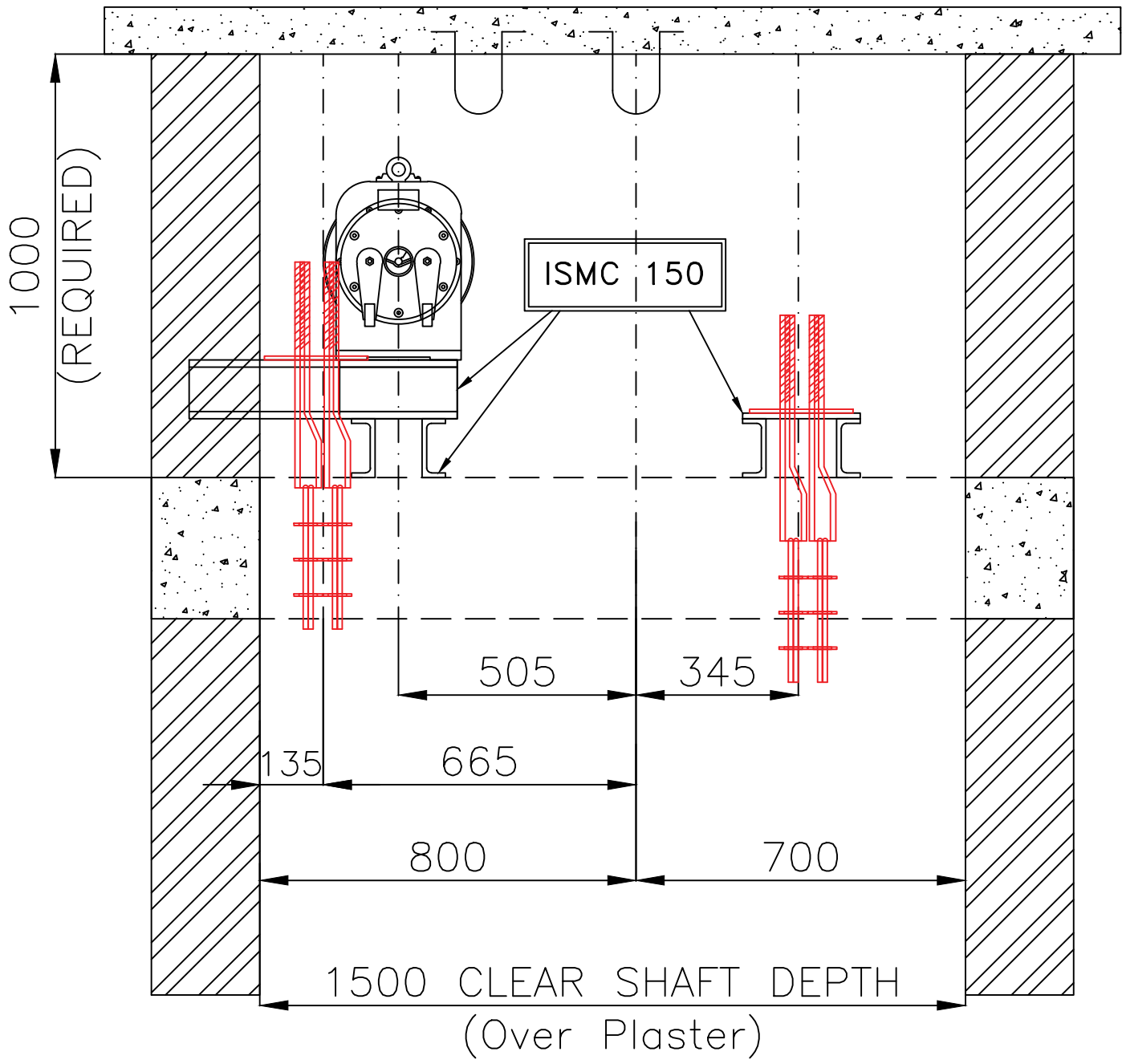
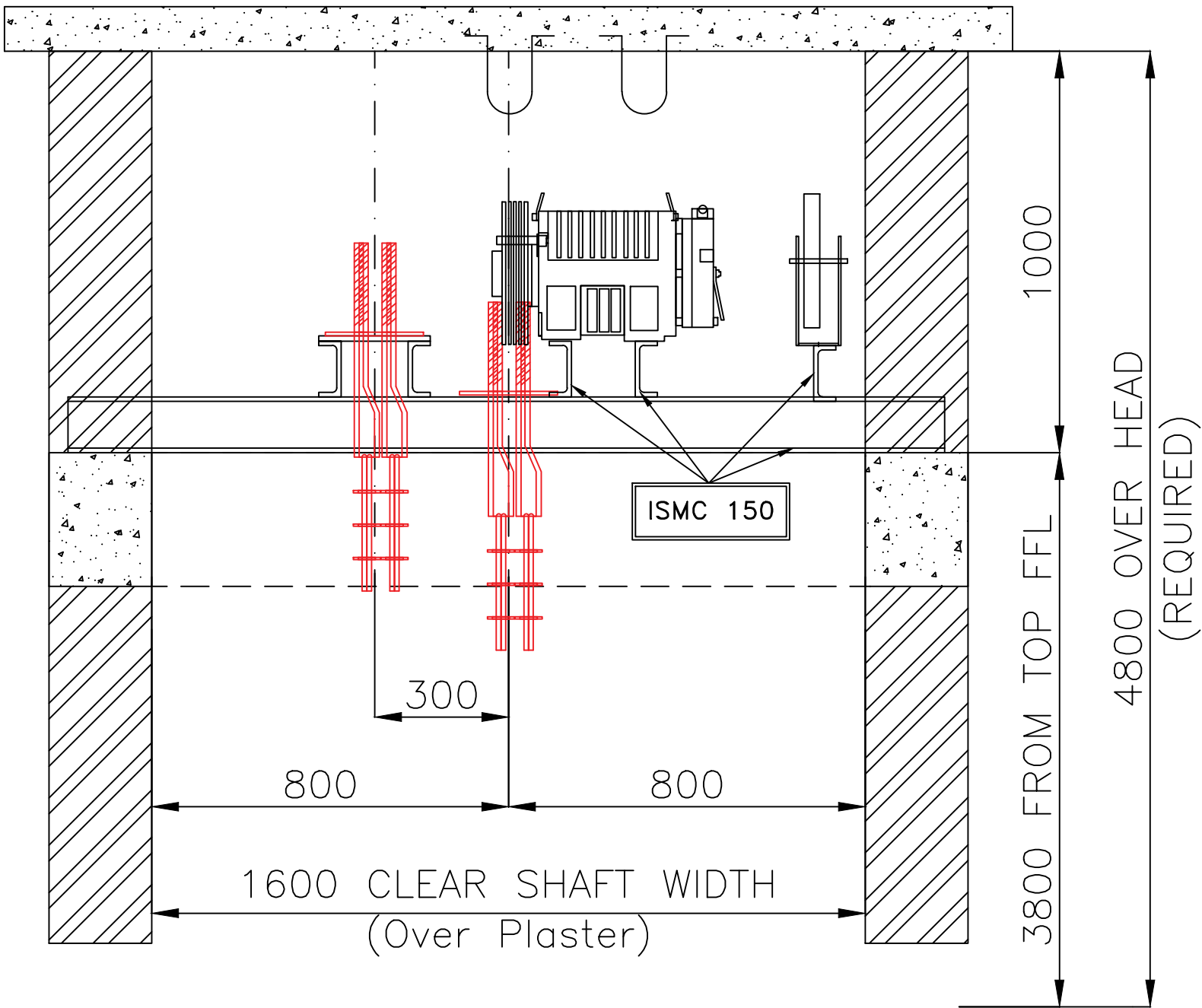


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MACHINE BEAM SECTIONAL VIEWS

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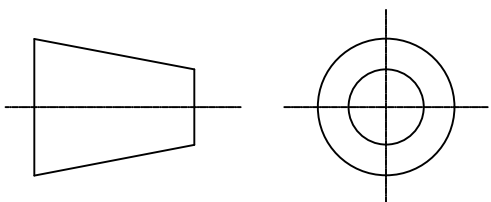
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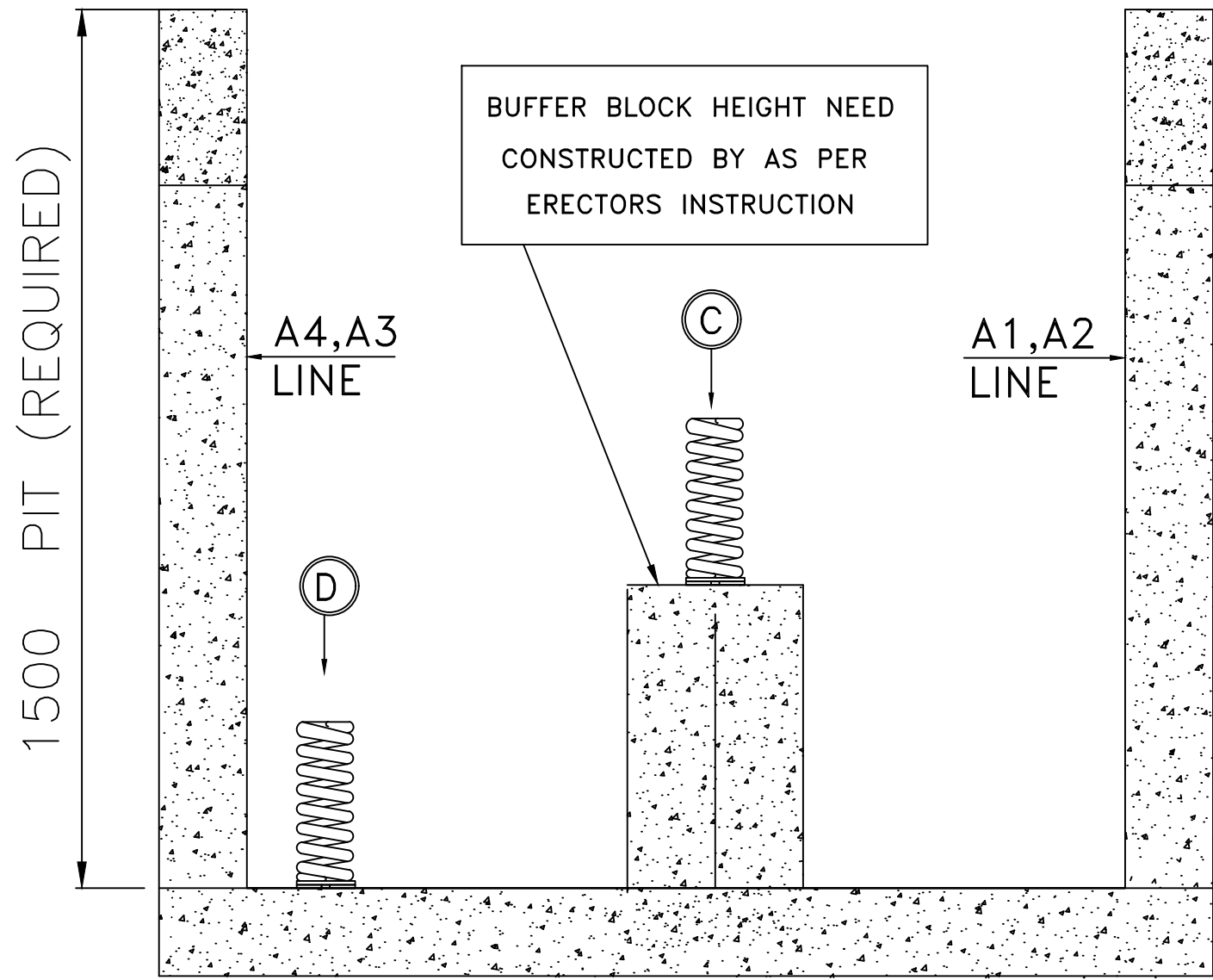
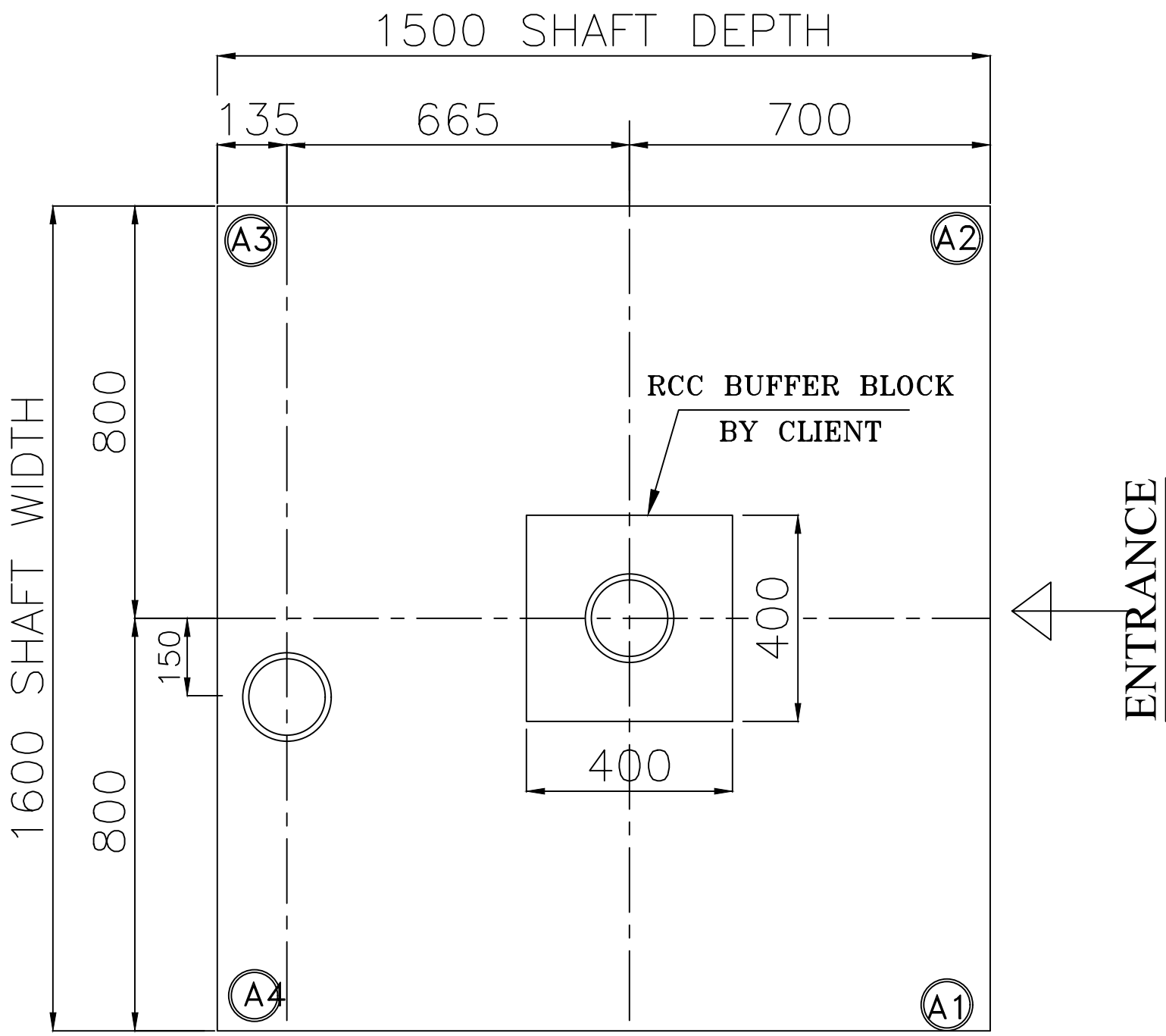


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RCC BUFFER BLOCKS
DETAILS AT PIT LEVEL

RCC BUFFER BLOCKS DETAILS AT PIT LEVEL

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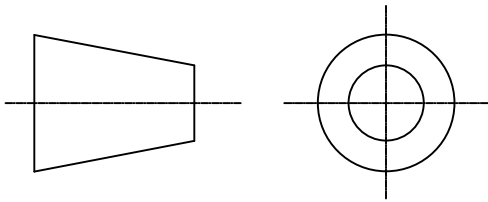
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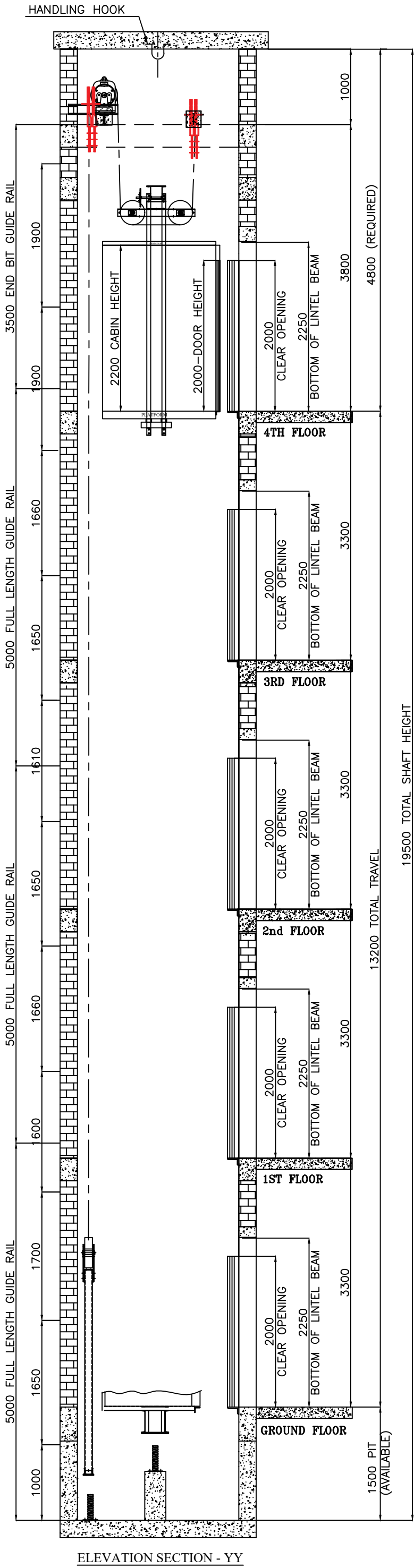
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ELEVATION SECTION - YY

ELEVATION

CONTROLLER ROOM REQUIRED
BESIDE TO OVERHEAD

CAR FULL LENGTH GUIDE RAILS – 5000mm	6 NUMBERS
CAR END BIT GUIDE RAILS – 3500mm	2 NUMBERS
CWT FULL LENGTH GUIDE RAILS – 5000mm	6 NUMBERS
CWT END BIT GUIDE RAILS – 3500mm	2 NUMBERS
CAR AND COUNTER WEIGHT BRACKETS	11 SETS

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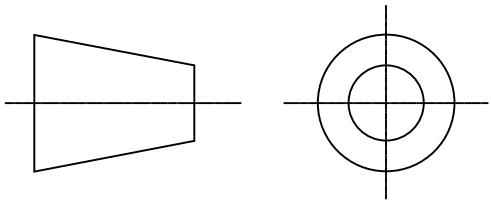
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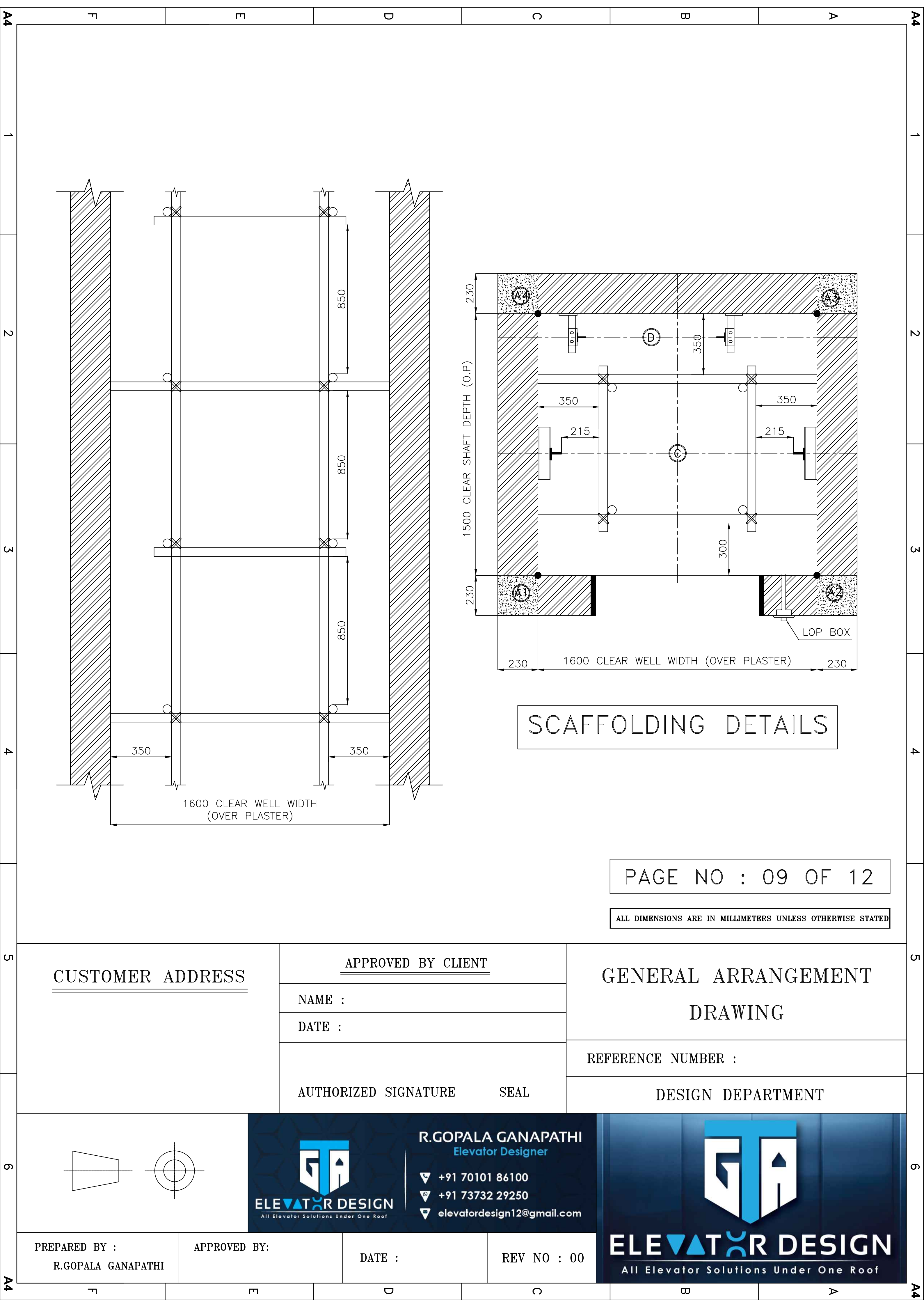


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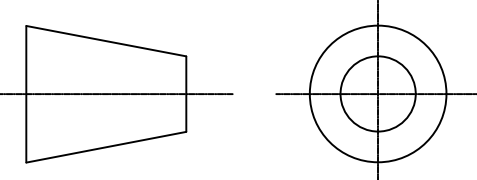


SCAFFOLDING DETAILS

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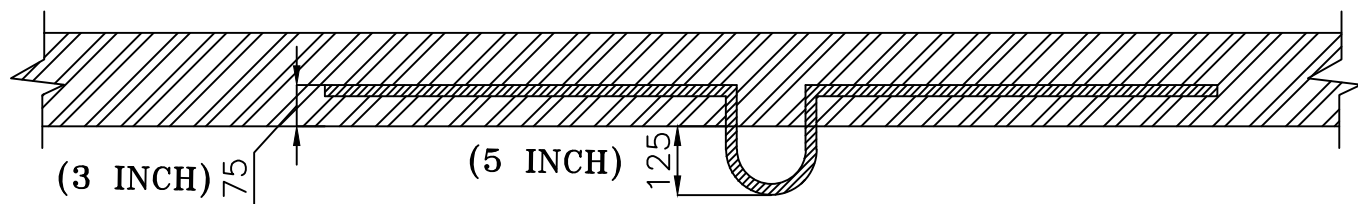
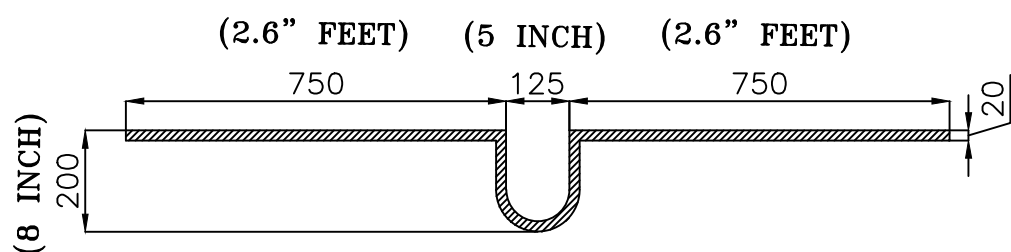
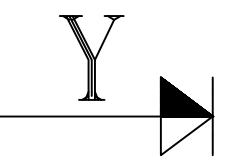
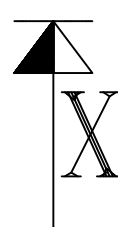
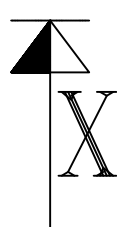
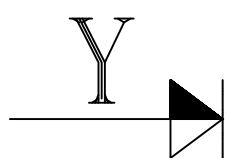
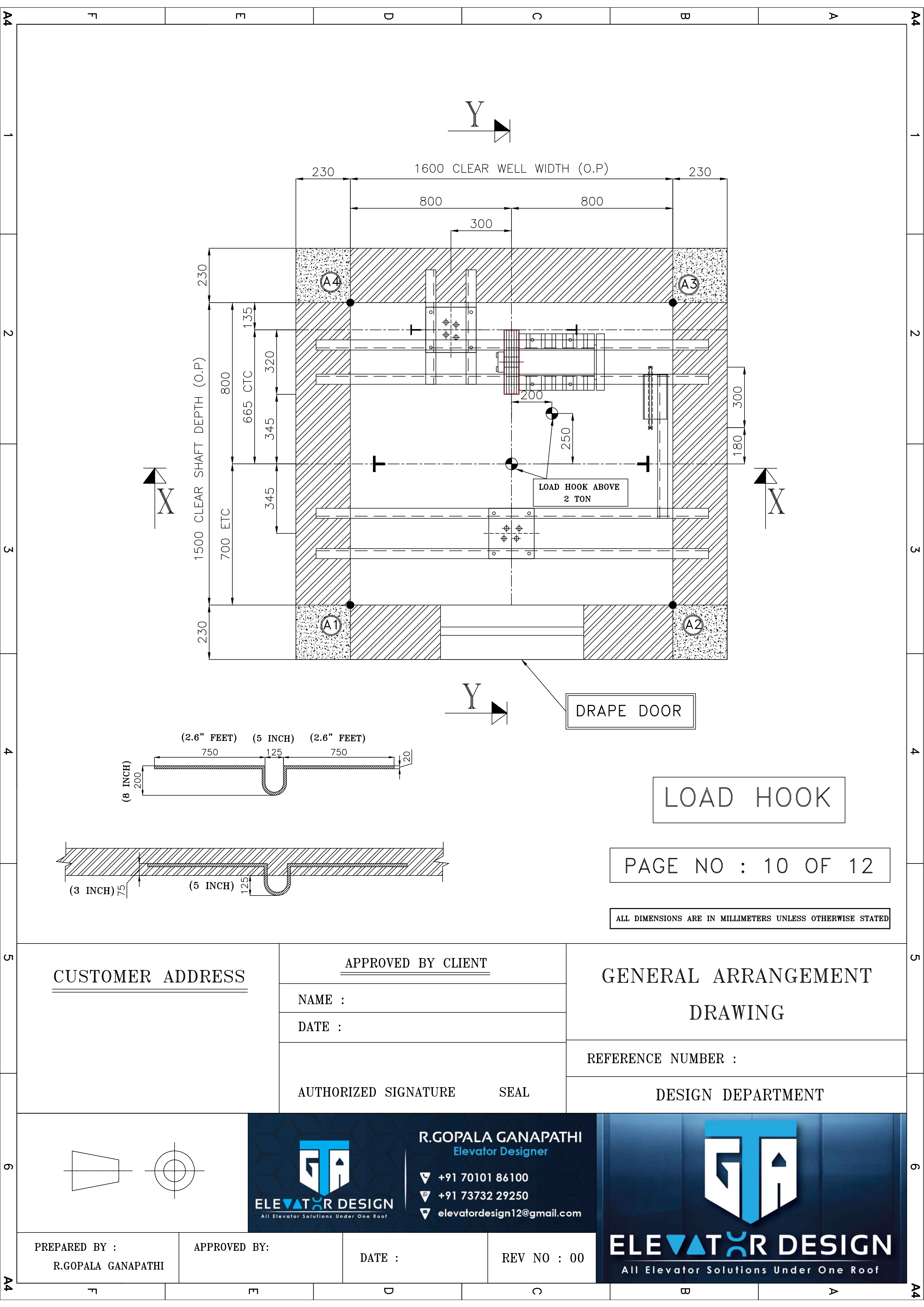
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DRAPE DOOR

LOAD HOOK

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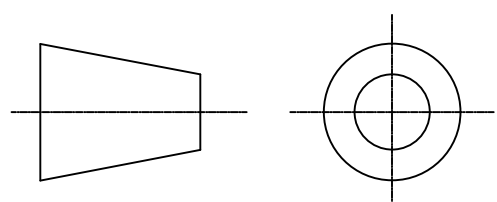
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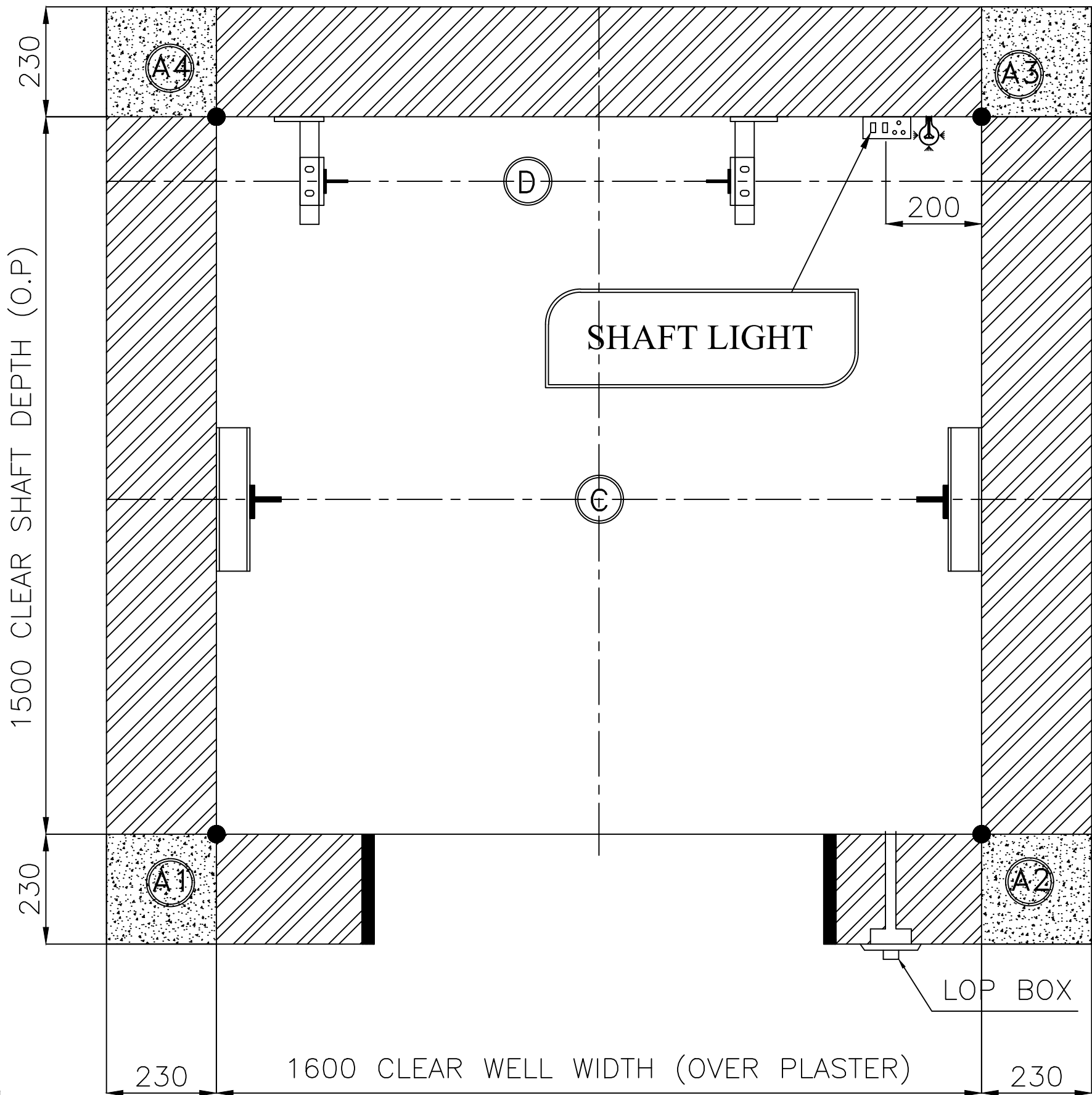
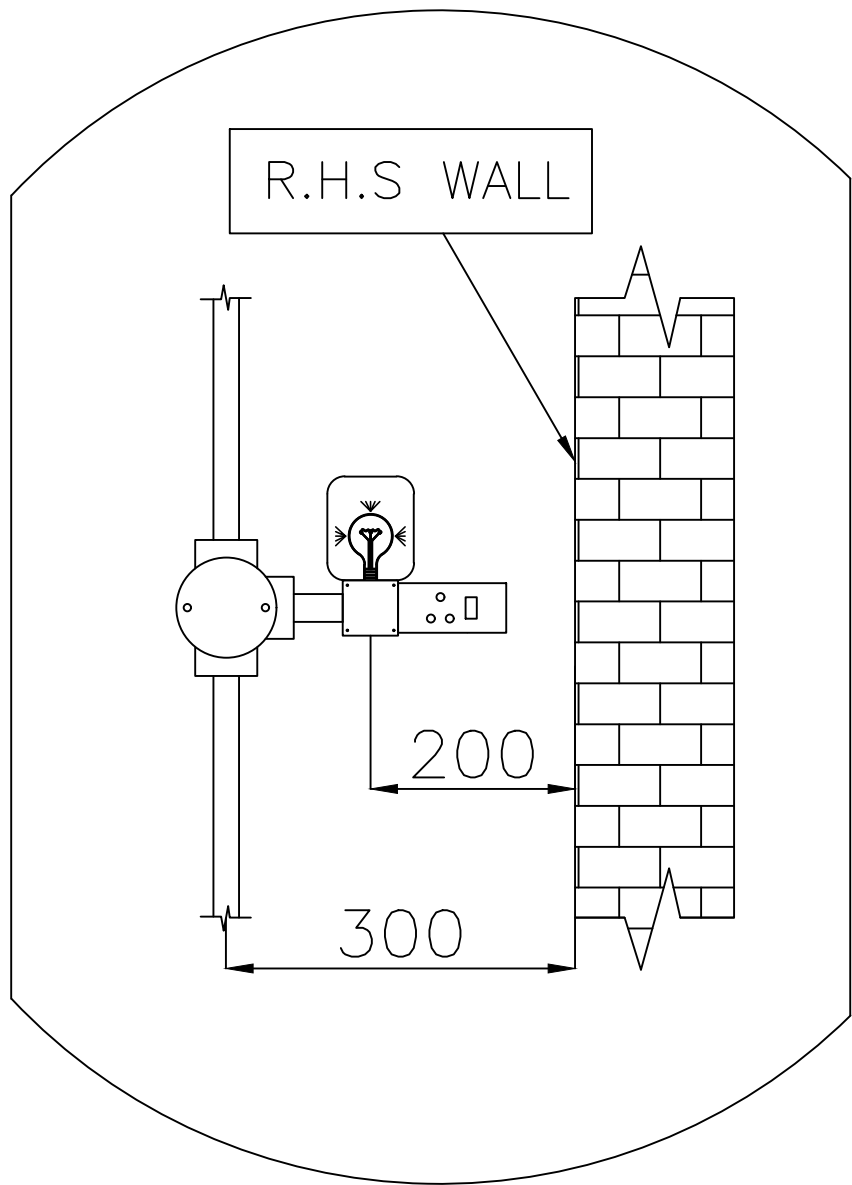
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SHAFT LIGHT

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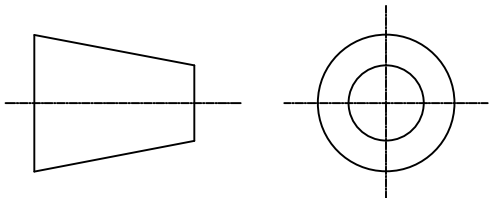
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ELECTRICAL INSTRUCTION LIST

- 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)

(D)
- 2) 3Ø 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.)

(A)
- 3) E. L. C. B. (EARTH LEAKAGE CIRCUIT BREAKER)
(1 NO. OF 3 PHASE E. L. C. B., 63A 4P ELCB)

(C)
- 4) LIGHTING WIRE 2.5 SQ. MM. 3 CORE WIRE WITH CONDUCTING FROM METER ROOM TO MACHINE ROOM THROUGH LIFT SHAFT.

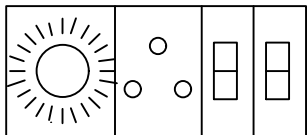
(B)
- 5) SHAFT LIGHTING: -1.5 SQ.MM. 2 CORE WIRE WITH CONDUCTING FROM MACHINE ROOM TO BOTTOM OF LIFT SHAFT LIGHTING POINT ALL IN PARALLEL EVERY ALTERNATE FLOOR AND ONE IN LIFT PIT.

(B)
- 6) EARTHING (2 NOS.) 8 SWG. FROM METER ROOM TO MACHINE ROOM ALONG WITH MAIN AND LIGHTING CABLE THROUGH LIFT SHAFT.

(E)

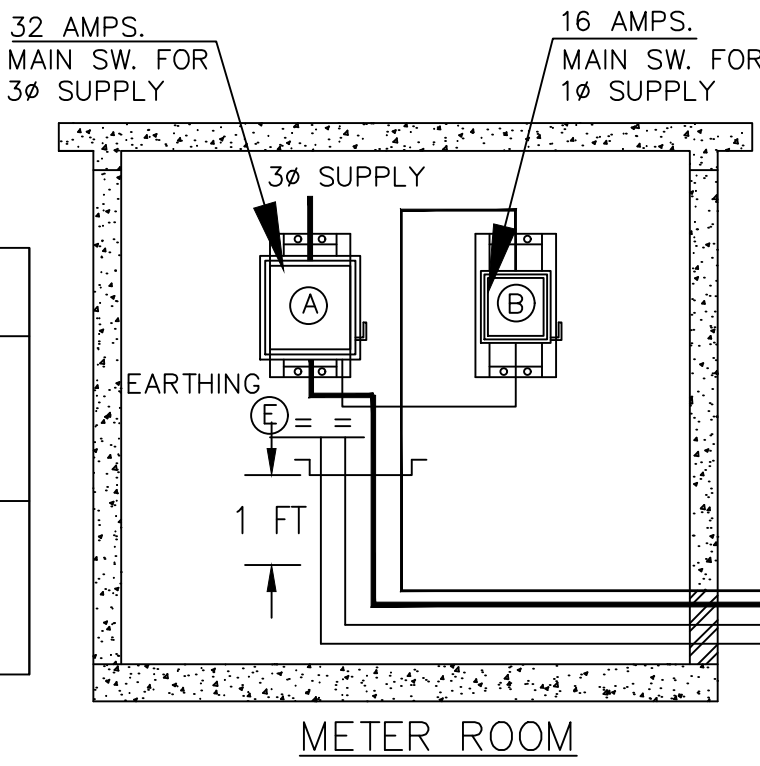
A-4P ELCB IN LIFT PANEL
B-LIFT LIGHT/SHAFT MAIN SWITCH 16 AMPS.IRON CLAD (3 NOS.)
C-EARTH LEAKAGE CIRCUIT BREAKER (E. L. C. B.- 1 NO.)
D-LIGHT BOARD
E-EARTHING (2 NOS.)

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.

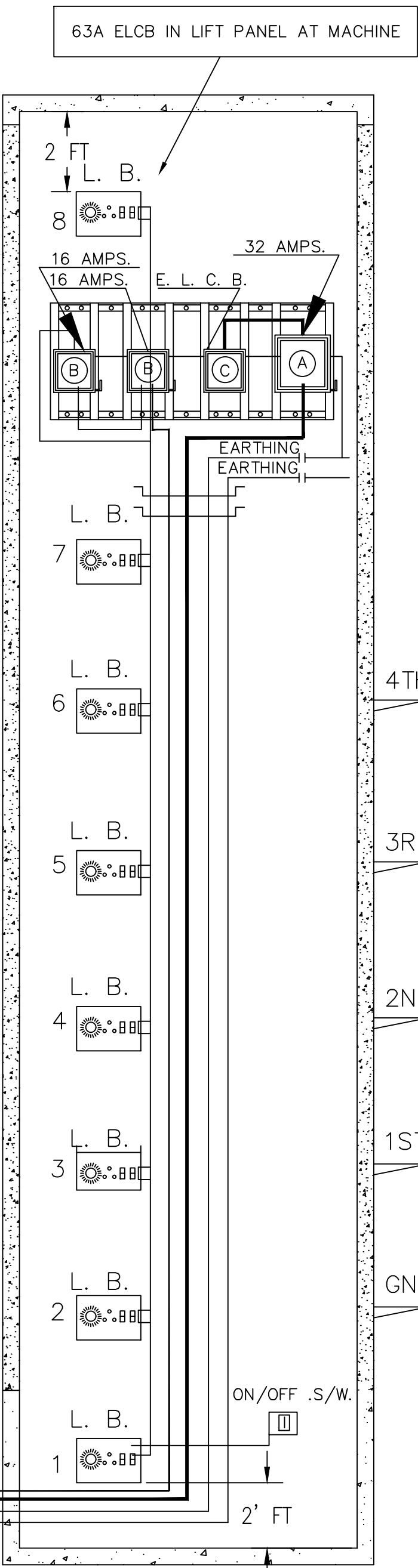


LIGHT BOARD

(D)



METER ROOM



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

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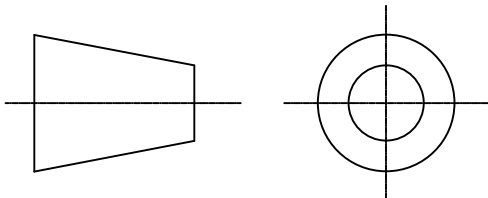
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