OWNER TO PROVIDE FOLLOWING ITEMS (PER ELEVATOR)

1 ADEQUATE VENTILATION, AIR CONDITIONING TO BE PROVIDED FOR MAINTAINING THE TEMPERATURE LEVEL IN HOISTWAY, NEAR CONTROLLER BETWEEN 5°C MIN. 40°C MAX.

2 POWER & LIGHTING CIRCUITS AND SWITCHES.
a) PERMANENT LIGHTING TO BE PROVIDED IN THE HOISTWAY AT THE DISTANCE INDICATED IN FIG. 1 ALONGSIDE. FASTEN THE LAMP FITTINGS TO THE WALL. FASTEN THE HOISTWAY LIGHT SWITCH IN THE PIT AT A DISTANCE THAT CAN BE ACTUATED EITHER FROM THE LANDING OR THE PIT.
b) TOP LANDING LIGHTING ABOVE THE CONTROLLER TO BE MIN. 200 LUX & TO BE CONTROLLED BY A SWITCH.
c) 3 PHASE POWER COPPER WIRING WITH PVC INSULATED (FEEDER SIZE 6 SQ.mm) TO BE PROVIDED UPTO THE CONTROL PANEL.
d) 1 PHASE LIGHTING WIRING FOR CAR LIGHTING TO BE PROVIDED UPTO THE CONTROL PANEL.
e) CONVENIENT OUTLET (15A) FOR USE OF POWER TOOLS DURING THE INSTALLATION OF ELEVATOR.
f) 6 sq mm G/Y PVC SHEATHED AND PVC INSULATED COPPER WIRE FROM BLDG EARTHING TO BUS BAR (FOR DOUBLE EARTHING)

3 PIT TO BE WATERTIGHT. PIT FLOOR TO WITHSTAND REACTIONS AS SHOWN.

4 THE NECESSARY BEAM ON HOISTWAY FOR CAR GUIDES AND COUNTERWEIGHT RAILS FASTENNING.
IF THE DISTANCE BETWEEN BEAMS EXCEED THE ONE INDICATED ON THIS DRAWING, AN INTERMEDIATE METAL/RCC BEAM MUST BE INSTALLED FROM THE FRONT TO THE REAR OF THE HOISWAY, WITH THE FOLLOWING CHARACTERISTICS: MINIMUM WIDTH 140MM AND ABLE TO SUPPORT THE LOADS INDICATED IN THIS DRAWING.

5 ROUGH WALL OPENING AT TOP LANDING AND AT LOWER LANDINGS AS PER DETAILS SHOWN ALONGSIDE. OWNER TO FINISH AREA AS SHOWN, AFTER THE DOORS ARE INSTALLED.

6 NECESSARY CONCRETE BEAMS ON FRONT WALL FOR DOOR FASTENING TO BE PROVIDED BY CUSTOMER.
REFER SECTION 5 FOR DETAILS.

7 THERE MUST BE CONCRETE OR METTALLIC BEAM (MIN.200 HEIGHT) AT BOTH SIDE WALLS TO FIX GUIDE RAIL BRACKETS AS SHOWN IN (VIEW 'B'–'B').

8 NECESSARY CONCRETE BEAMS ON FRONT WALL. FOR DOORS FASTENINGS.

9 WALL POCKETS PER ERECTOR'S REQUIREMENT WHICH SHOULD BE MADE GOOD TO FINAL FINISH FINISH FOR :–
(NOTE:BELOW VALUES ARE APPLICABLE FOR PAN TYPE. IN CASE OF FLAT FIXTURES, DRAWING OFFICE TO REFER TO NAA28104P)
a) EMEGENCY ALARM :– 69 WIDE x 144 HIGH x 90 DEEP CUTOUT IN FRONT WALL AT GROUND FLOOR ONLY AT 2030 POCKET CENTRE FROM FINISHED FLOOR LEVEL.
b) COMBINED HALL BUTTON AND H.P.I. :–20 DIA. THROUGH HOLES AT ALL LANDINGS AT 1300 FROM FINISHED FLOOR LEVEL.
c) FIREMAN'S SWITCH :– 74 WIDE x 109 HIGH x 90 DEEP CUTOUT IN FRONT WALL AT GROUND FLOOR ONLY AT 2030 POCKET CENTRE FROM FINISHED FLOOR LEVEL.
REFER LAYOUT DATA NAA28104P FOR FLAT FIXTURES

10 THE NECESSARY HOOKS, ACCORDING TO THIS DRAWING, ON THE TOP OF THE HOISTWAY CEILING, MARKED AND CALCULATED TO SUPPORT THE LOADS SHOWN IN THIS DRAWING. ALL OF THEM MUST BE CERTIFIED BY THE TECHNICAL PROPERTY REPRESENTOR.

11 THE POWER SUPPLY FOR THE CONTROLLER WITH THEIR BREAKER SWITCHES, PROTECTIONS, EARTH CONNECTIONS AND THE WIRING TO THE OTIS CONTROLLER, ACCORDING TO DIAGRAM "B" AND CODE IN FORCE. MAXIMUM DROP VOLTAGE: 5%, ON THE ELECTRIC DATA HERE INDICATED. THE MAIN SWITCH MUST BE PROVIDED WITH LOCKING. BEHIND THE LIGHT SWITCH A PLUG (220 V+E) MUST BE INSTALLED.

12 THE POWER SUPPLY NECESSARY FROM THE BEGINNING OF THE ELEVATOR ERECTION.

13 TEMPORARY PROTECTIONS AT THE ELEVATOR ACCESS DURING THE ERECTION PERIOD.

14 A CLOSED AND LIGHTED ROOM (AROUND 50 M² MIN.) FIT TO STORE THE ELEVATOR MATERIAL, OTIS MECHANIC TOOLS & PERSONAL EQUIPMENT WITHIN 50M FAR FROM THE HOISTWAY TO BE PROVIDED

15 THE HOISTWAY WALL SHOULD BE PLUMB AS FOLLOW.
a) R < 30 :– 0,+25MM
b) 30 < R <= 60 :– 0,+35MM
c) 60 < R <= 120 :– 0,+35MM

16 LIGHTING IN THE ACCESS: 50 LUX MINIMUM WITH THE EXCEPTION OF THE FLOOR WHERE THE CONTROLLER IS LOCATED WHERE 200 LUX ARE REQUIRED A SWITCH INSIDE WILL BE PROVIDED TO CONTROL IT ACCORDING TO DIAGRAM "B".

CONTRACT DATA

SALES Nos.	52NK7548
ELEVATOR	ONE (1)
DUTY LOAD – KGS	1768
SPEED M.P.S	1.00
MOTION CONTROL	VVVF – UD403
MACHINE TYPE	5.0 T
MACHINE SHV. DIA. in mm	150
BELT Nos. – SIZE in mm.	CSB:5 – 3.3THK x 30WIDE (47KN)
ARC OF CONTACT	179°
MAIN MOTOR R.P.M – KW	384 – 10.0
MAIN CONTROLLER	LVA
No. OF STOPS– OPENINGS	09 – 09
CAR GOVERNOR	SHENLING
CAR SAFETY	PS35
CAR SIZE	1600 x 2400
CAR INSIDE AREA IN SQ. M.	3.84
CAR RAIL	T89 (89x62x16)
CWT. RAIL	T70 (78x65x16)
CAR BUFFER TYPE	PU BUFFER
CAR BUFFER QUANTITY	ONE (1)
CWT. BUFFER TYPE	PU BUFFER
CWT. BUFFER QUANTITY	ONE (1)
COMPENSATION CHAIN QUANTITY	–
COMPENSATION CHAIN TYPE	NA

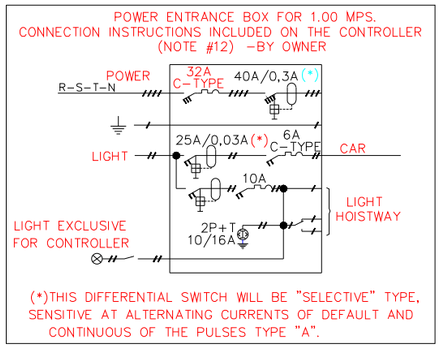
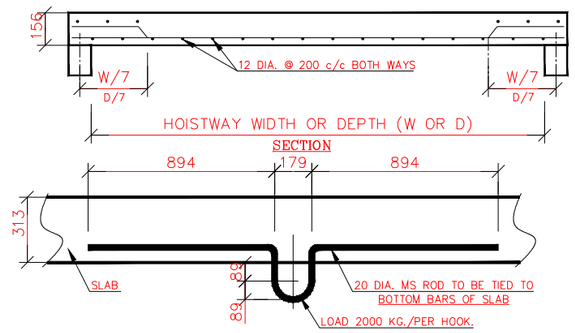


DIAGRAM "B"



HOOK AND ITS EMBEDMENT DETAILS

NOTE–1 : TO INSURE 25mm CLEAR COVER TO REINFORCEMENT, HOOK SHALL BE PLACED ABOVE BOTTOM BARS AND TIED. RECOMMENDED TO USE AT LEAST TWO TIES ON EACH SIDE OF HOOK.

NOTE–2 : INDICATED ROD LENGTH OF 500 mm PER SIDE, MAY BE SUITABLY BEND TO SUIT ERECTION HOWEVER IT SHOULD MEET ABOVE CONDITION. MINIMUM BEND RADIUS OF 30 mm.

NOTE–3 : RECOMMENDED FINISH ON HOOK – ONE COAT OF CNTIRUST PAINT WITH TWO COATS OF FINISH PAINT.

SLAB DETAILS

CONCRETE GRADE : M25
STEEL GRADE : Fe415
THICKNESS : 175 mm
REINFORCEMENT : 12 DIA @ 200 c/c BOTH WAYS AT BOTTOM, WITH ALTERNATE BARS BENT UP AT 1/7 FROM THE CENTRE WALL.
CLEAR COVER TO REINFORCEMENT : 25 mm.

DETAILS OF HOISTING HOOK DESIGN & ITS EMBEDMENT IN THE CEILING SLAB

VIEW D

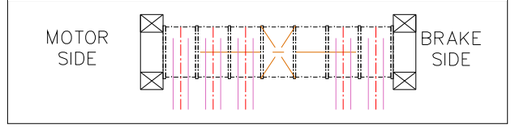
ESTIMATED WEIGHTS

FLOORING IN CAR	ALU. CHEQ. PLATE
FLOORING WIEGHT (REF. ONLY)	58
TOTAL CAR WEIGHT(Kg)(FRAMED) (W/O FLOORING)	1446
OVERBALANCE 50%	884
MASS OF T.C	6
TOTAL COUNTER WEIGHT	2394

ALL CONTRACTS EXCEPT WEST BENGAL

CONCRETE FILLER WT. PART NO.	NAA345W2
NO. OF FILLER WTS	35
C.I. FILLER WT. PART NO.	NAA345X2
NO. OF FILLER WTS	10
SPECIAL FILLER WT. PART NO.	NAA345AA1
NO. OF FILLER WTS	2

ARRANGEMENT
7 Groove 5 Belts
CSB:5 – 3.3THK x 30WIDE (47KN)



REVISIONS	REVISIONS	

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED NOTE :– DO NOT SCALE THIS DRAWING

APPROVALS

CURRENT CHARACTERISTICS
POWER SUPPLY A.C. 400 VOLTS, 3 PHASE 4 WIRES WITH NEUTRAL, 50 HERTZ.
LIGHT SUPPLY A.C. 230/240 VOLTS.
CONFIRMED YES

THIS ARRANGEMENT AND SUPPLIMENTARY NOTES APPROVED BY OWNER
HOISTWAY SIZES GUARANTEED PLUMB WITHIN +50/–0 mm* OF FIGURES SHOWN
SIGNED YES
DATE 31/05/2023

RECORD OF CLT'S DRGS.
LAYOUT BASED ON MOF RECD.WITH E–MAIL DATED 31/05/23

THREE SHEETS
SHEET #THREE

OTIS ELEVATOR CO. (INDIA) LIMITED

BUILDING	ASTA INFRA PROJECTS PRIVATE LIMITED
LOCATION	SECUNDERABAD (TELANGANA)
OWNER	M/s. ASTA INFRA PROJECTS PRIVATE LIMITED
ARCHT.	
DATE: PRELIM	02/06/2023 FINAL 02/06/2023
SCALE	DRAWN BY KAA
CHECKED BY	SDJ SALES No. 52NK7548

DRG. No. **52NK7548N** REV. 00