



PAKISTAN INSTITUTE
OF DEVELOPMENT
ECONOMICS

**PAKISTAN INSTITUTE OF DEVELOPMENT
ECONOMICS (PIDE) AT QUAID - E - AZAM
UNIVERSITY CAMPUS, ISLAMABAD
ACADEMIC BLOCK**

ELEVATOR WORKS

VOLUME - III

TENDER DRAWINGS

MARCH, 2022



NATIONAL ENGINEERING SERVICES PAKISTAN (PVT) LIMITED
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PAKISTAN INSTITUTE OF DEVELOPMENT ECONOMICS

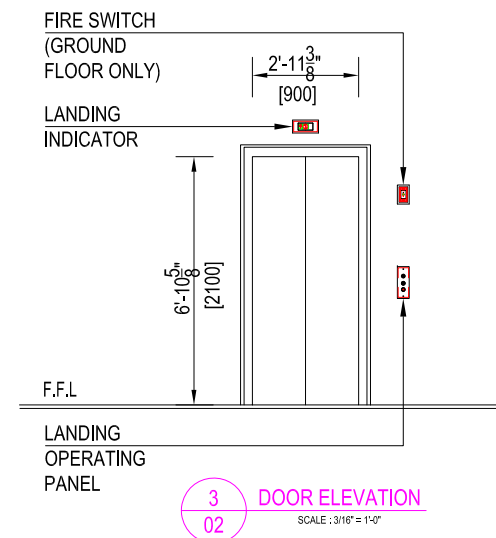
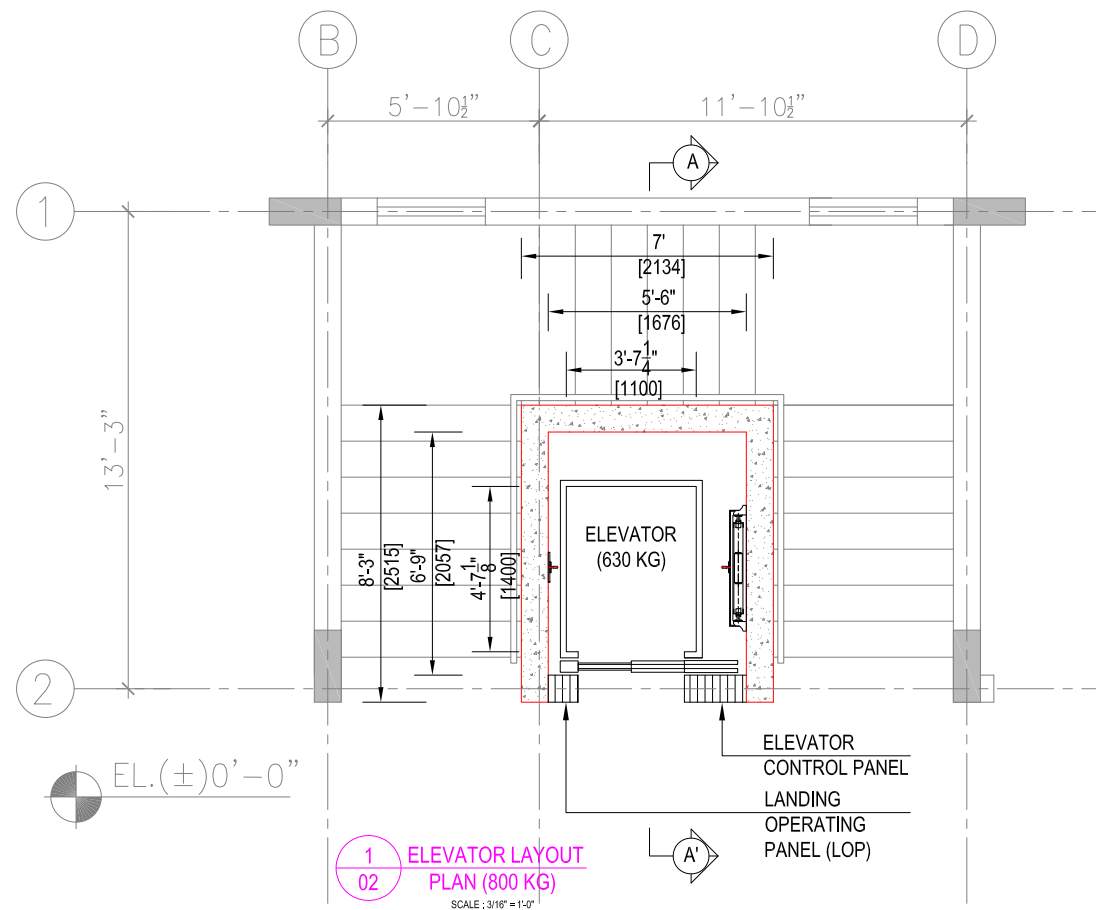
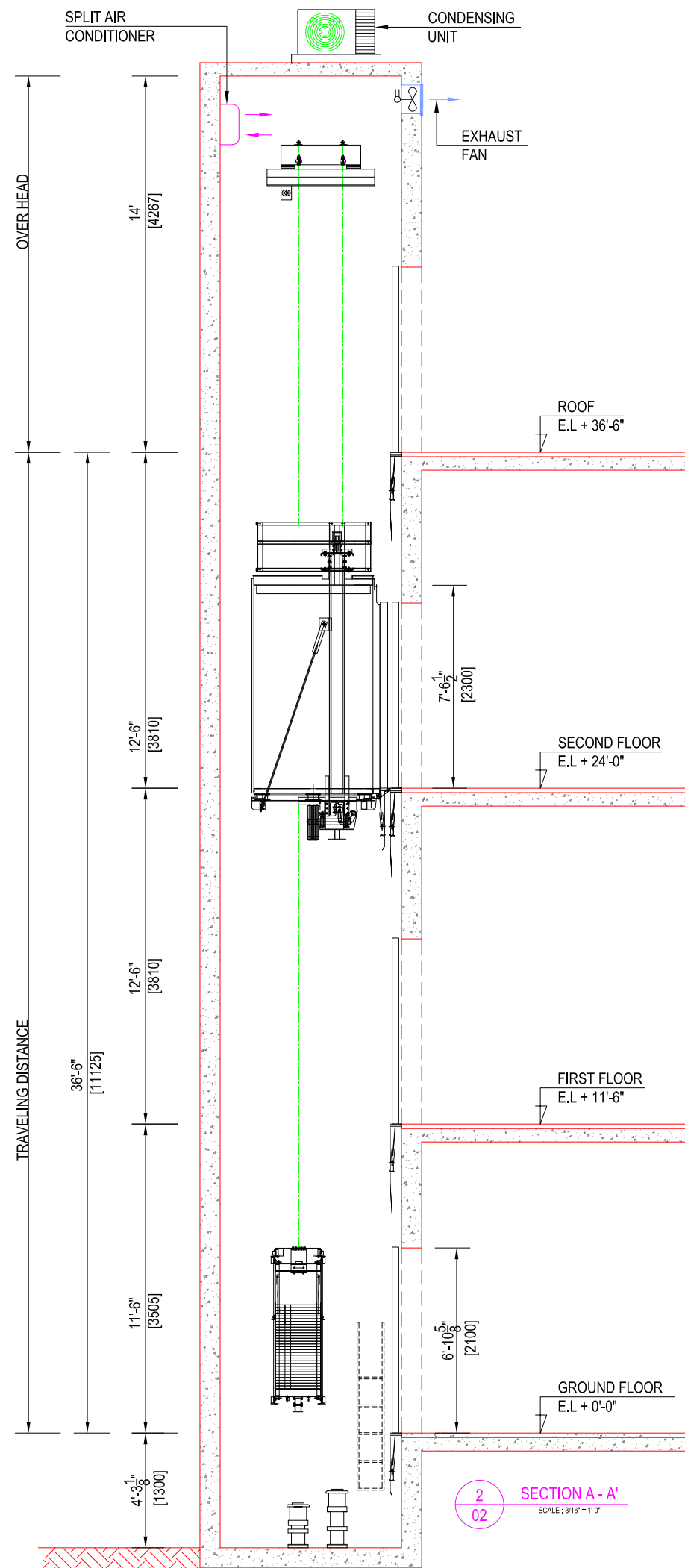
PAKISTAN INSTITUTE OF DEVELOPMENT ECONOMICS (PIDE)
AT QAUID - E - AZAM UNIVERSITY CAMPUS, ISLAMABAD
ACADEMIC BLOCK
LIST OF DRAWINGS



NATIONAL ENGINEERING SERVICES
PAKISTAN (PVT.) LTD. LAHORE.

DESIGN. NESPAK	RECOMMENDED	VERIFIED	APPROVED
DWN. M.TOOBER			
FILE. -----	DATE		REV.
CKD. -----	MARCH, 2022	DRAWING NO.	
SUBM. -----		4388/04/TD/J01	

REFERENCE	DRAWINGS	REV. NO.	DATE	DESCRIPTION	BY	CKD.	APPR.



ELEVATOR SCHEDULE

NO.	ELEVATOR ID	DESCRIPTION	CAPACITY (kg.)	SPEED (m/sec)	NO. OF STOPS/ OPENING	CAR FINISHES			CAR SIZE (WxDxH) INCHES (MM)	DOOR (WxH) INCHES (MM)
						FLOOR	WALL	CEILING		
1.	ELEVATOR	MACHINE ROOM LESS (SIMPLEX TYPE)	630 (08 PERSONS)	1.0	04/04	AS PER ENGINEER'S APPROVAL	AS PER ENGINEER'S APPROVAL	AS PER ENGINEER'S APPROVAL	3'-7 1/4"x4'-7 1/8" x7'-6 1/2" (1100x1400 x2300)	3'-0"x6'-10 5/8" (900x2100) 2 - PANEL SIDE OPENING STAINLESS STEEL

NOTES:



- ALL DIMENSIONS ARE IN INCHES (MM) UNLESS OTHERWISE STATED.
- THE PASSENGER ELEVATOR IS MACHINE ROOM LESS TYPE.
- ELEVATOR EQUIPMENT INCLUDING BUFFERS, MACHINERY, ETC. SHOWN IN THIS DRAWING ARE FOR REFERENCE ONLY.
- THE ELEVATOR SUPPLIER SHALL SUBMIT DIMENSIONAL LAYOUT OF THE LIFT EQUIPMENT, VENTILATION OPENING REQUIREMENT AND ELECTRICAL WORKS DESIGN LOADS FOR APPROVAL OF THE ENGINEER.
- ALL CIVIL WORKS DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE BY SUPPLIER PRIOR TO BID SUBMISSION AND CONFIRM SUITABILITY OF OFFERED LIFTS WITH AVAILABLE HOIST WAY, PIT AND OVERHEAD DIMENSIONS.
- THE CONTRACTOR IS ALSO RESPONSIBLE FOR MAKING HOLES, OPENINGS FOR LANDING INDICATORS, CALL BUTTONS AND RESTORING FLOOR/WALL FINISH TO ITS ORIGINAL STATE.
- THE CONTRACTOR WILL PROVIDE AIR CONDITIONER OF CAPACITY 2.0 TON IN EACH SHAFT.
- THE CONTRACTOR WILL PROVIDE EXHAUST FAN OF 800 CFM IN SHAFT.
- ACTUAL LOCATION OF EXHAUST FAN AND AIR CONDITIONER WILL BE DECIDED AT SITE.

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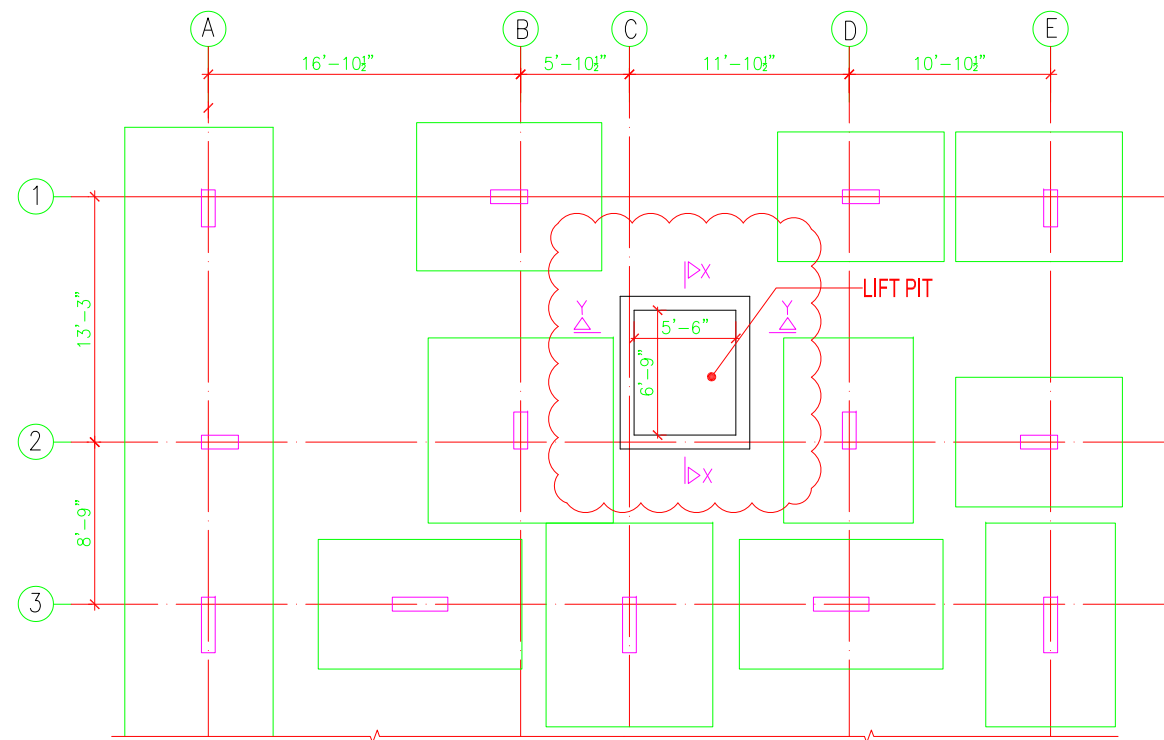
PAKISTAN INSTITUTE OF DEVELOPMENT ECONOMICS (PIDE)
AT QUAID - E - AZAM UNIVERSITY CAMPUS, ISLAMABAD

ACADEMIC BLOCK

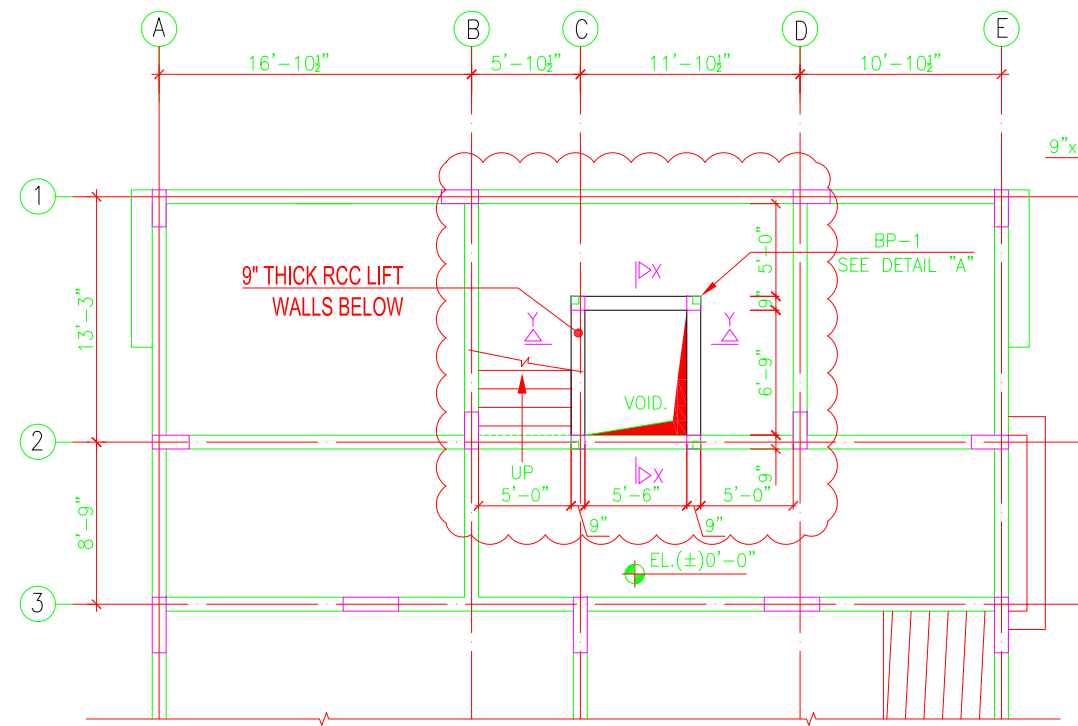
ELEVATOR LAYOUT PLAN &
SECTIONAL DETAIL (630 KG)

		NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. LAHORE.		
DESIGN: NESPAK		RECOMMENDED	VERIFIED	APPROVED
DWN: M TOOGER				
FILE: _____		DATE	DRAWING NO.	REV.
CKD: _____				
SUBM: _____		MARCH, 2022	4388/04/TD/J02	

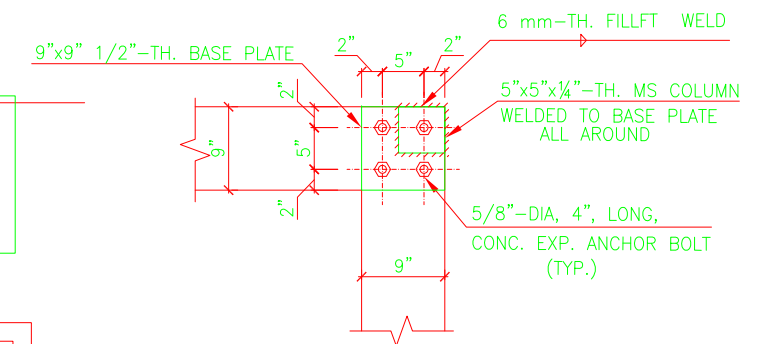
REFERENCE DRAWINGS	REV. NO.	DATE	DESCRIPTION	BY	CKD.	APPR.



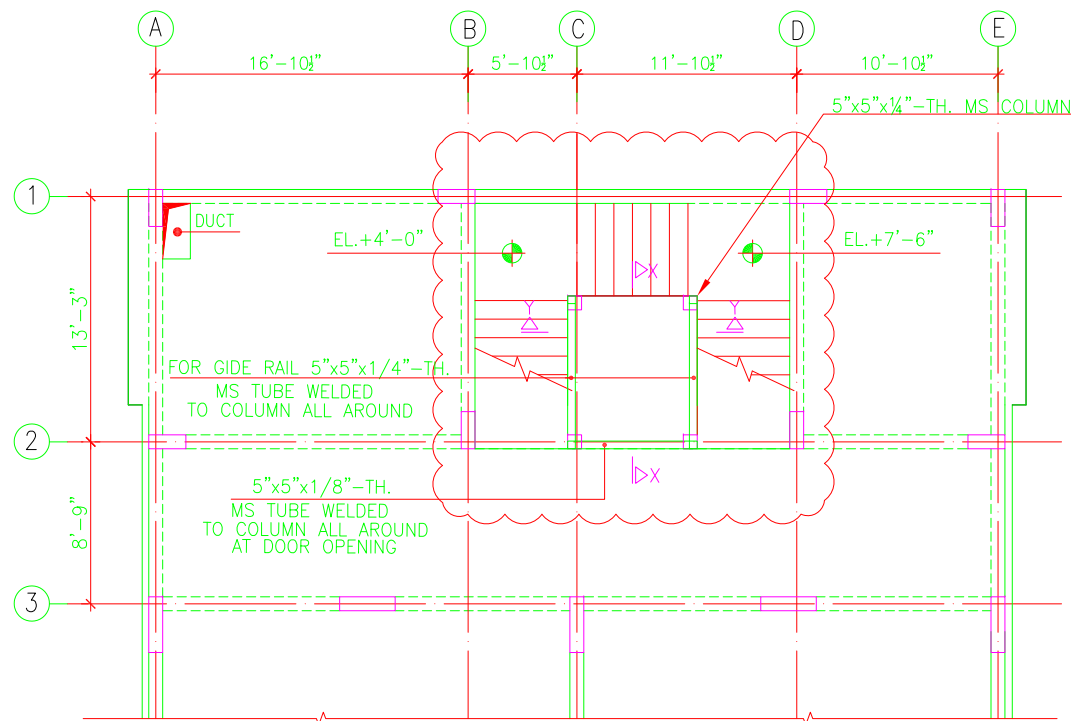
PART COLUMN AND FOUNDATION LAYOUT PLAN



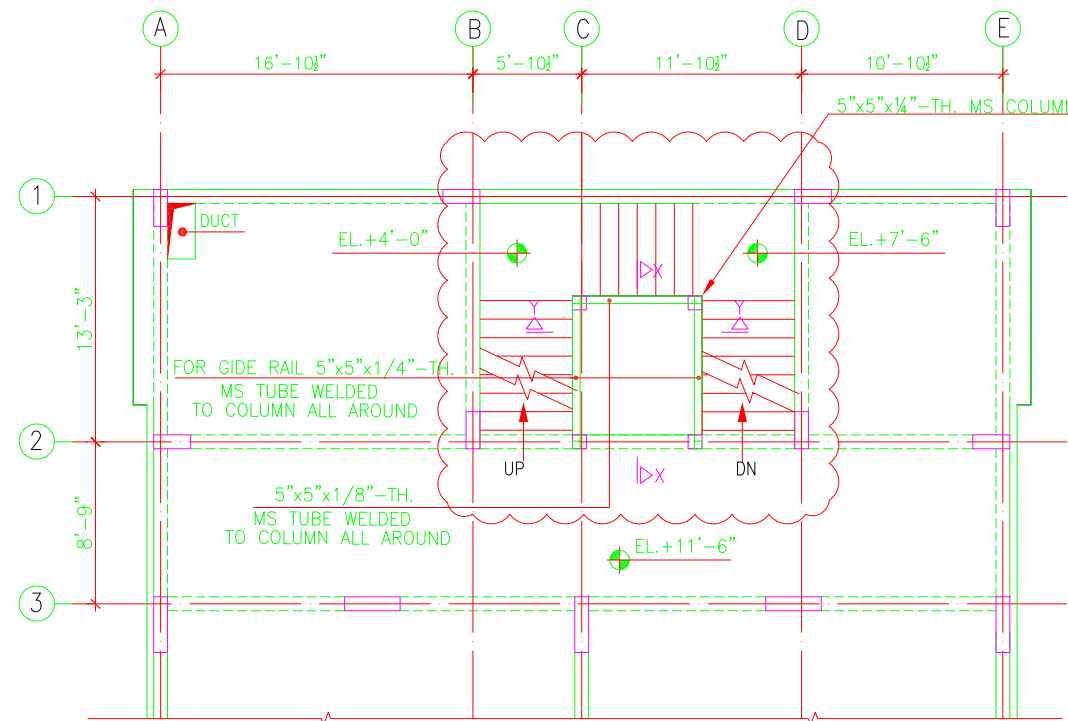
PART FRAMING PLAN AT EL.(±)0'-0"
BASE PLATE LAYOUT PLAN



DETAILS OF BASE PLATE BP-1
DETAIL "A"



BRACING PLAN AT EL.+5'-9"



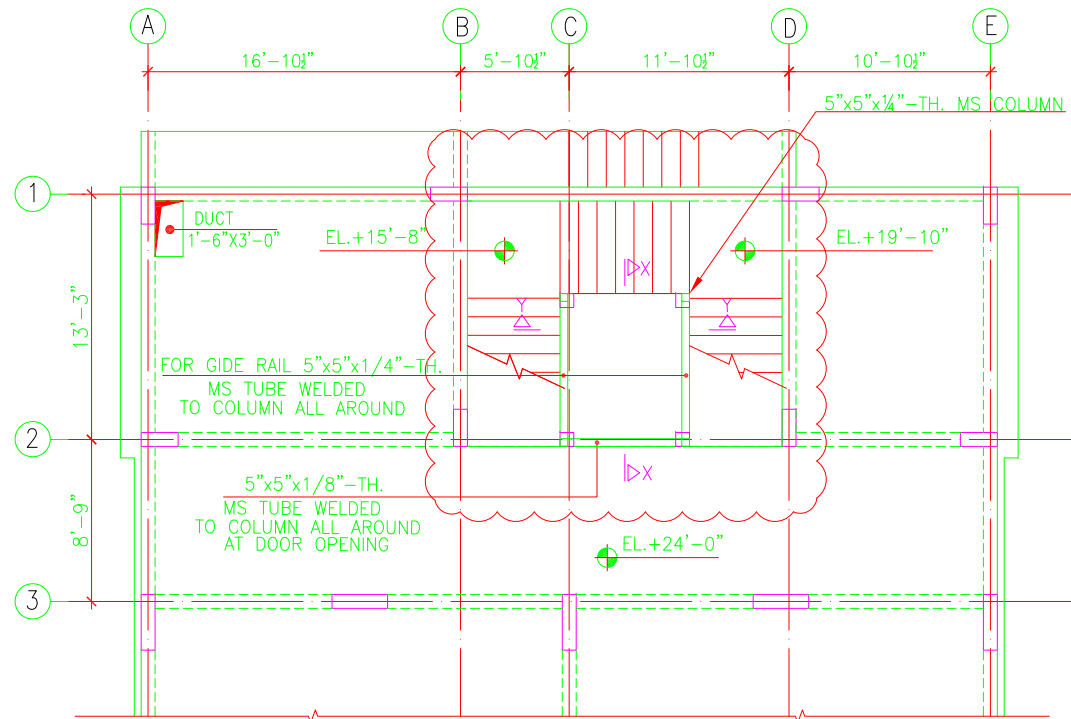
PART FRAMING PLAN AT EL.+11'-6"

NOTES:

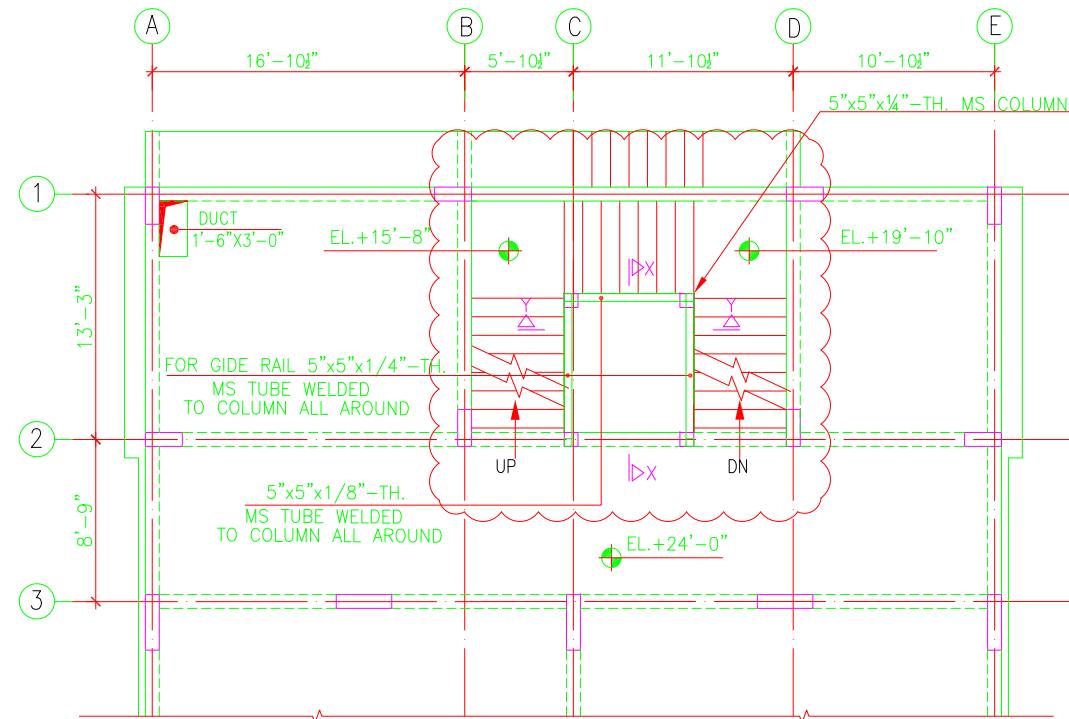
1. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
2. ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.
3. CLEAR COVER TO REINFORCEMENT SHALL BE AS UNDER:
TOP SLAB = 3/4" (BOTH FACES)
WALLS = 1"
4. ALL STRUCTURAL CONCRETE SHALL BE 1:1.5:3 TYPE HAVING MINIMUM 28-DAYS CYLINDER STRENGTH OF 3000.00 psi.
5. ALL REINFORCEMENT SHALL BE ASTM A-615 GRADE 60.
6. ALL THE STRUCTURAL SURFACES AGAINST WHICH EARTH IS TO BE FILLED SHALL BE COATED WITH TWO (02) COATS OF HOT BITUMEN AS PER SPECIFICATIONS.

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PAKISTAN INSTITUTE OF DEVELOPMENT ECONOMICS (PIDE) AT QAID - E - AZAM UNIVERSITY CAMPUS, ISLAMABAD ACADEMIC BLOCK STRUCTURAL DETAILS OF ELEVATOR WORKS SHEET (1 OF 3)			
DES. NESPAK	RECOMMENDED	VER/CKD	APPROVED
DWN. G.MUSTAFA			
FILE. TALHA AFZAL	DATE	DRAWING NO.	REV.
CKD. AAMIR RASHEED	MARCH, 2022	4388/323/TD/G01	01
SUBM.			

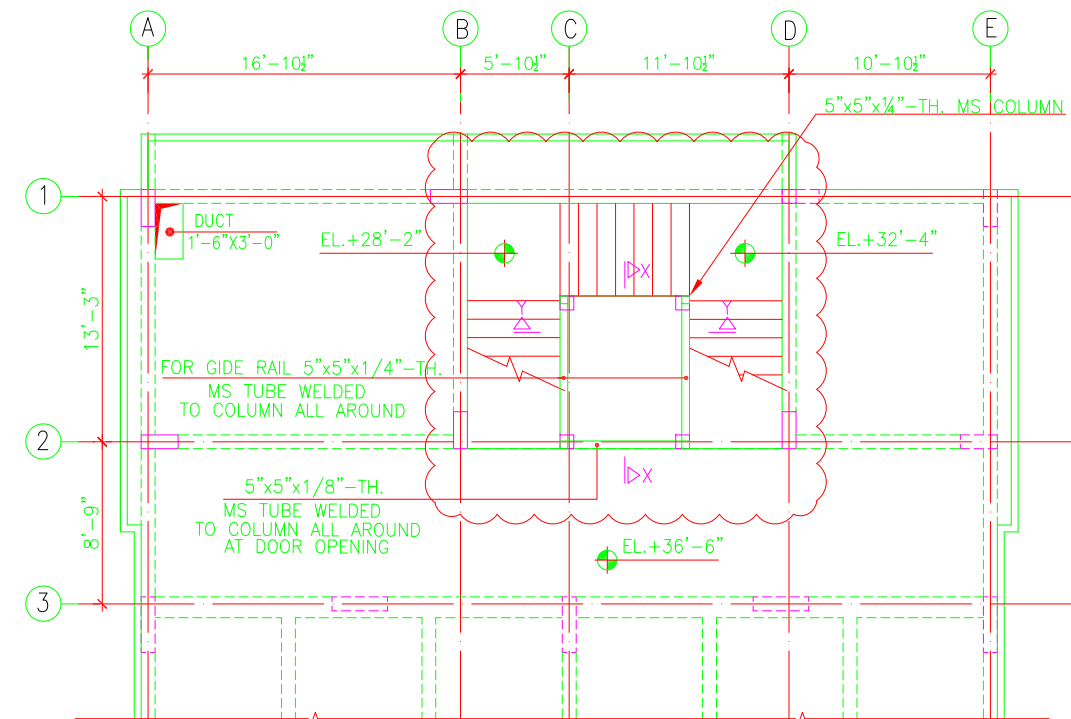
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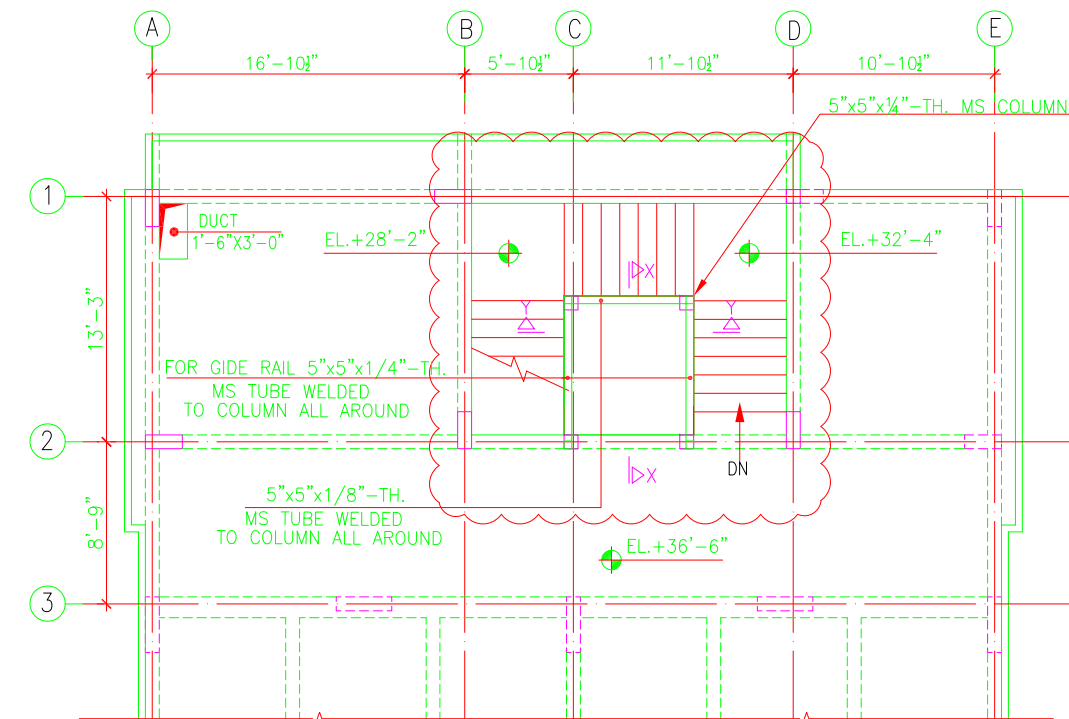
BRACING PLAN AT EL.+17'-9"



PART FRAMING PLAN AT EL.+24'-0"



PART FRAMING PLAN AT EL.+30'-3"



PART FRAMING PLAN AT EL.+36'-6"

MATERIAL SPECIFICATIONS OF STEEL WORKS

- ALL FABRICATION, ERECTION AND QUALITY CONTROL IS TO BE DONE IN ACCORDANCE WITH THE LATEST ASTM SPECIFICATIONS.
- STRUCTURAL STEEL SHALL BE ASTM A-36 STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A-36 UNLESS OTHERWISE SPECIFIED.
- ALL WELDING SHALL BE FILLET WELDING CONFORMING TO THE REQUIREMENTS OF AMERICAN WELDING SOCIETY, AWS, SPECIFICATIONS. THE WELD STRENGTH SHALL BE OF GRADE E-70 HAVING YIELD STRENGTH ATLEAST 70,000 PSI.
- ALL BOLTS SHALL BE MECHANICAL ANCHORS CONFORMING TO AISC STANDARD.
- STANDARD HOLE DIA. = BOLT DIA. + 1/16"
- SURFACE PREPARATION OF ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE LATEST ISSUE OF "STEEL STRUCTURES PAINTING COUNCIL" SPECIFICATIONS SSPC-SP-8 FOR COMMERCIAL BLAST CLEANING.
- ALL STEEL SHALL BE GIVEN ONE SHOP COAT OF RED LEAD OXIDE PRIMER AND FIELD TOUCHUP EXCEPT FOR SURFACES TO BE EMBEDDED IN CONCRETE OR CONTACT SURFACES OF FRICTION BOLTED CONNECTIONS.
- CONTRACTOR SHALL NOTIFY ENGINEER-IN-CHARGE OF ANY DISCREPANCIES AND/OR ERRORS ON THE DESIGN DRAWINGS IN TIME TO PREVENT ANY FABRICATION ERRORS.
- CONTRACTOR SHALL CHECK ELEVATION AND LINES OF EXISTING WORK BEFORE PROCEEDING WITH HIS WORK & ERRORS OR OMISSIONS, IF FOUND, SHALL BE BROUGHT TO THE NOTICE OF THE ENGINEER FOR CORRECTION AND APPROVAL.
- THE CONTRACTOR SHALL SUBMIT SHOP DWGS. FOR APPROVAL OF THE ENGINEER BEFORE EXECUTION.

NOTES:

- READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
- ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.
- MEMBER, SHALL BE PAINTED WITH ENAMEL PAINT OF APPROVED COLOR.
- THE STRUCTURAL SYSTEM SHALL BE REVIEWED BY THE LIFT CONTRACTOR, ANY CHANGES AS PER LIFT REQUIREMENT (OF ANY) SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- BRACKET & OTHER ACCESSORIES SHALL BE FITTED BY LIFT CONTRACTOR AS PER LIFT REQUIREMENTS.

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ACADEMIC BLOCK
STRUCTURAL DETAILS OF ELEVATOR WORKS SHEET (2 OF 3)

NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. LAHORE.

DESIGN. NESPAK	RECOMMENDED	VER/CKD	APPROVED
DWN. G. MUSTAFA			
FILE. TALHA AFZAL	DATE	DRAWING NO.	REV.
CKD. AAMIR RASHEED	MARCH, 2022	4388/323/TD/G02	1/0
SUBM.			

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