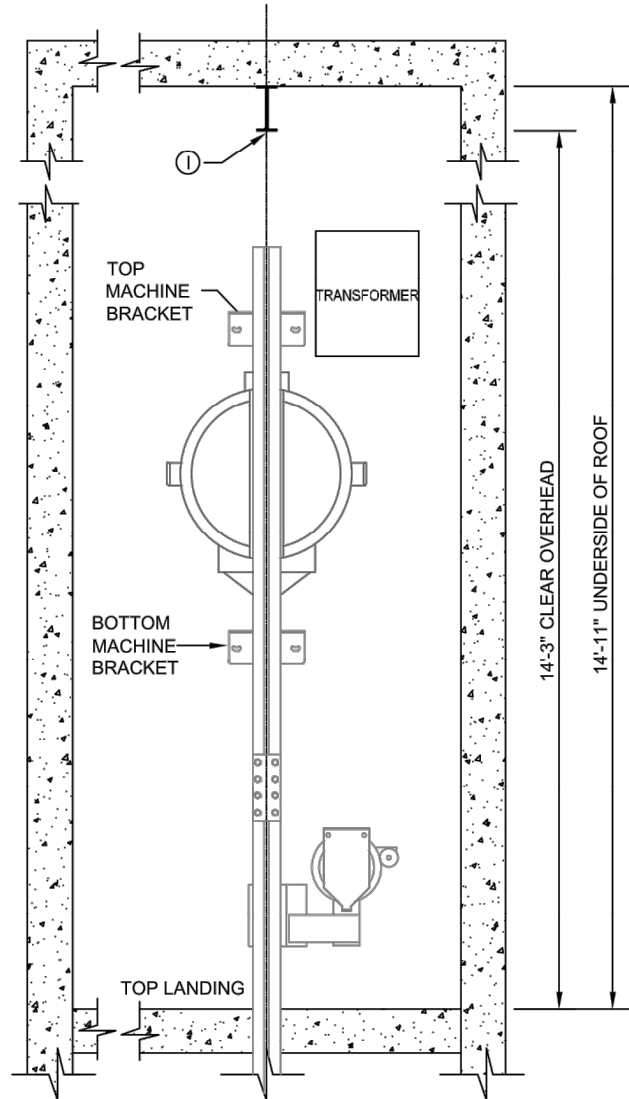
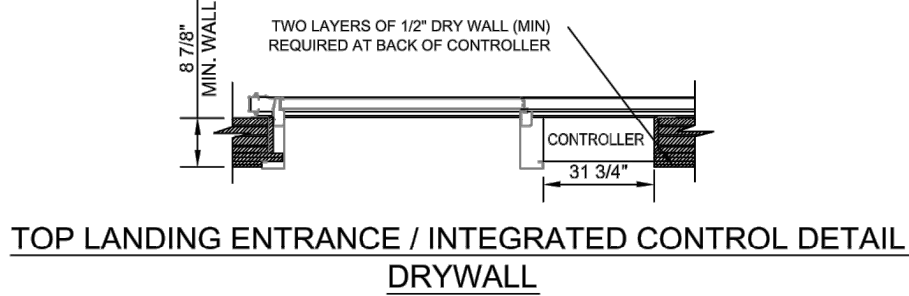
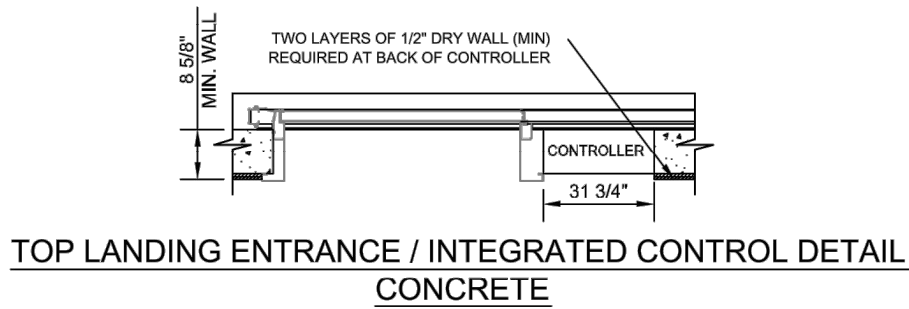


HOISTWAY PLAN VIEW



ELEVATION IN HOISTWAY
LOOKING AT MACHINE

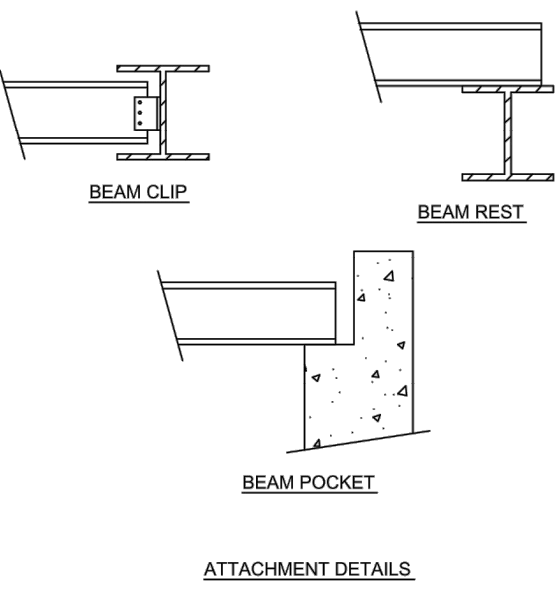
BRKTS ABOVE TOPMOST LANDING - IMPACT LOADING REACTIONS (lb)			
REACTION LOCATION	A	B	C
X DIRECTION	1580	240	50
Y DIRECTION	530	1670	100
BRKTS BELOW TOPMOST LANDING - RUNNING REACTIONS (lb)			
X DIRECTION	290	240	50
Y DIRECTION	200	110	100
MAX DEFLECTION NOT TO EXCEED 0.25" (6mm) DUE TO APPLIED LOADS			
SEISMIC ZONES 3 & 4 - ALL BRKTS LOCATIONS - IMPACT LOADING (lb)			
X DIRECTION	2200	2000	1100
Y DIRECTION	2100	1500	2100
MAX DEFLECTION NOT TO EXCEED 0.25" (6mm) DUE TO APPLIED LOADS			

*ORTHOGONAL REACTIONS DO NOT OCCUR SIMULTANEOUSLY
*CALCULATIONS BASED UPON UBC SEISMIC ZONE 3-4 AND IBC $0 < l_p \times S_d \leq 1.0$
*ACCEPTABLE GUIDE RAIL BRACKET ATTACHMENT MATERIAL: CONCRETE, STEEL, OR INSERTS

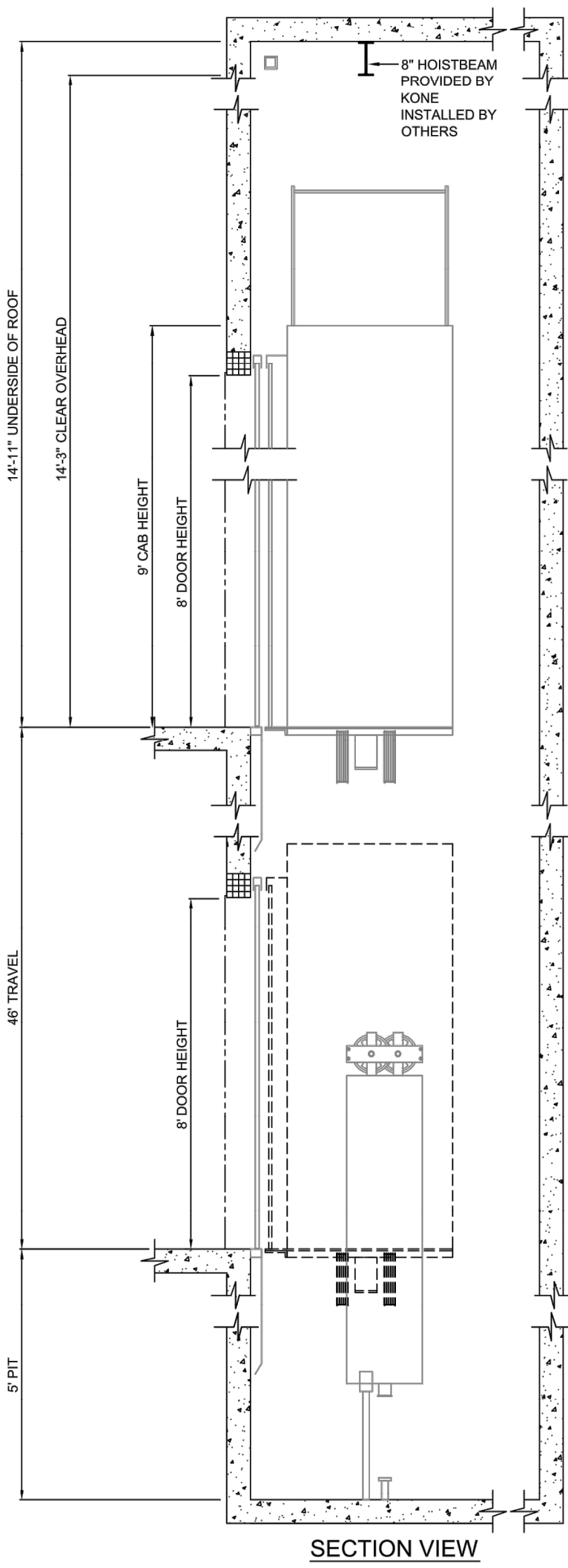
VERTICAL FORCES ONTO PIT FLOOR (lb)					
REACTION LOCATION	A	B	C	D	E
Z DIRECTION	21400	10700	6000	12200	1920

**VERTICAL REACTIONS A, B & C OCCUR SIMULTANEOUSLY. VERTICAL REACTIONS D & E OCCUR INDIVIDUALLY AND SEPARATELY FROM A, B & C.

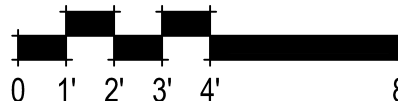
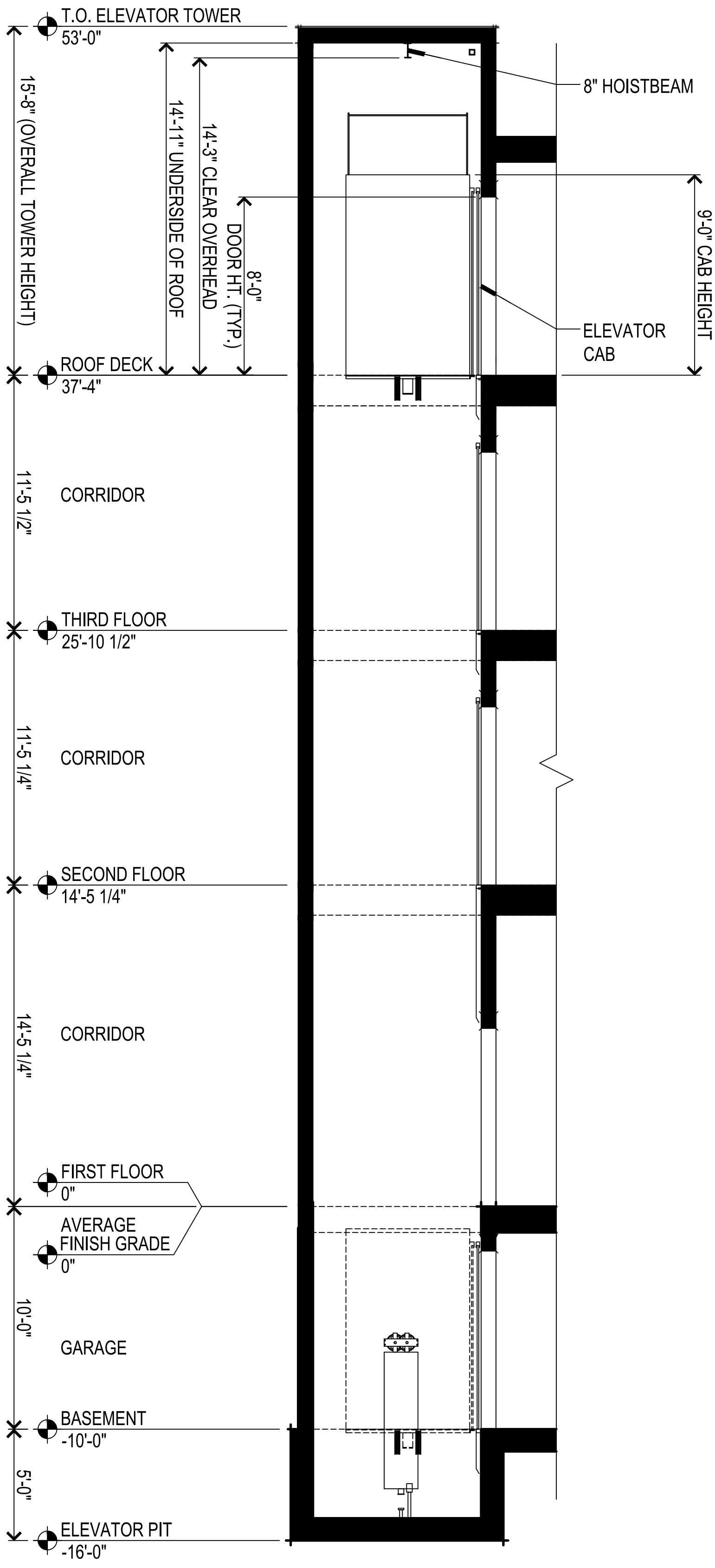
HOISTBEAM & LIFELINE VERTICAL FORCES (lb)				
REACTION LOCATION	A	B	C	D
Z DIRECTION	4800	4700	5000	5000



FLOOR BY FLOOR HEIGHTS CHART					
LANDING 5	8'4"	LANDING 10	N/A	LANDING 15	N/A
LANDING 4	11' 0"	LANDING 9	N/A	LANDING 14	N/A
LANDING 3	11' 0"	LANDING 8	N/A	LANDING 13	N/A
LANDING 2	14' 0"	LANDING 7	N/A	LANDING 12	N/A
LANDING 1	10' 0"	LANDING 6	N/A	LANDING 11	N/A



SECTION VIEW



A20
ELEVATOR SECTION

- PREPARATORY WORK BY OTHERS: THE CUSTOMER OR CUSTOMER'S CONTRACTOR, SHALL BE RESPONSIBLE FOR THE FOLLOWING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK AT NO COST TO KONE, INC LOCAL CODES SHALL PREVAIL WHEN APPLICABLE
1. PROVIDE A CLEAR, PLUMB HOISTWAY OF THE SIZE SHOWN ON THE FINAL KONE LAYOUT. VARIATIONS MUST NOT EXCEED 1". (TOLERANCE = -0" + 1")
 2. PROVIDE ADEQUATE SUPPORT FOR GUIDE RAIL BRACKETS (INCLUDING DIVIDER BEAMS FOR MULTIPLE ELEVATORS IN A COMMON HOISTWAY) FROM PIT FLOOR TO THE TOP OF THE HOISTWAY AND NOT SPANNING FURTHER THAN ALLOWED BY THE GOVERNING CODE AUTHORITY. FIREPROOFING SHALL BE AFTER INSTALLATION OF BRACKETS.
 3. HOISTWAY VENTILATION SHALL BE PROVIDED PER CODE REQUIREMENTS.
 4. PROJECTIONS REQUIRING BEVELING IN ACCORDANCE WITH CODE REQUIREMENTS SHALL BE BEVELED AT AN ANGLE NOT LESS THAN 75 DEGREES FROM THE HORIZONTAL.
 5. PROVIDE REMOVABLE, OSHA COMPLIANT BARRICADES AROUND ALL HOISTWAY OPENINGS AND BETWEEN ELEVATORS INSIDE OF THE HOISTWAY AS REQUIRED. PROVIDE TWO LIFELINE ATTACHMENTS AT THE TOP, FRONT OF THE HOISTWAY.
 6. ARRANGE FOR ALL BLOCK OUT / CUTOFF OF OPENINGS TO INSTALL HALL PUSHBUTTONS, SIGNAL FIXTURES, AND HATCH DUCT.
 7. PROVIDE A DRY PIT REINFORCED TO SUSTAIN VERTICAL FORCE FROM RAILS AND BUFFERS. REFERENCE THE REACTION LOAD TABLES FOR VERTICAL FORCES. SUMPS AND / OR PUMPS (WHERE PERMITTED) LOCATED WITHIN THE PIT MAY NOT INTERFERE WITH THE ELEVATOR EQUIPMENT.
 8. PROVIDE SUITABLE LIGHTING FOR THE MACHINE SPACE WITH A LIGHT SWITCH LOCATED IN THE HOISTWAY. PROVIDE A LIGHT FIXTURE AND A SEPARATE GFCI PROTECTED DUPLEX CONVENIENCE OUTLET IN THE ELEVATOR PIT.
 9. ENTRANCE WALLS ARE TO BE LEFT OPEN UNTIL THE ELEVATOR EQUIPMENT IS INSTALLED. ADEQUATE SUPPORT FOR ENTRANCE ATTACHMENT POINTS IS REQUIRED AT ALL LANDINGS. ALL FINISHED FLOORING AND GROUTING IS TO BE INSTALLED AFTER THE ENTRANCE FRAMES ARE INSTALLED.
 10. A PIT LADDER IS SUPPLIED BY KONE UNLESS OTHERWISE NOTED ON THE LAYOUT DRAWING. LOCATE AND INSTALL PER KONE FINAL LAYOUT DRAWINGS.
 11. AN I-BEAM, PROVIDED BY KONE, MUST BE INSTALLED IN THE ELEVATOR HOISTWAY OVERHEAD PER THE KONE FINAL LAYOUT DRAWINGS.
 12. FOR PROPER EQUIPMENT OPERATION, THE MACHINE SPACE AT THE TOP OF THE HOISTWAY MUST BE PROPERLY VENTED PER CODE REQUIREMENTS. MAX ALLOWED HUMIDITY IS 95% NON-CONDENSING. HOISTWAY MUST MAINTAIN A TEMPERATURE BETWEEN 41 F AND 104 F.
 13. THE ACCESS DOOR TO THE CONTROL SPACE OR THE CONTROL ROOM MUST BE SECURED AGAINST UNAUTHORIZED ACCESS. IT SHALL BE SELF-LOCKING AND SELF-CLOSING.
 14. PROVIDE A 15-AMP 102V AC FUSED SERVICE WITH GROUND (VIA EMERGENCY LIGHT SUPPLY IF AVAILABLE) CONNECTED TO EACH CONTROL CABINET FOR LIGHTING AND FAN. PROVIDE DEDICATED PHONE LINE TERMINATING AT THE ELEVATOR CONTROL CABINET.
 15. FOR CONTROL SPACES LOCATED REMOTELY FROM THE ELEVATOR HOISTWAY, PROVIDE A GOVERNOR ACCESS DOOR OF SIZE AND LOCATION PER KONE FINAL LAYOUT DRAWINGS. THE ACCESS DOOR SHALL BE SECURED AGAINST UNAUTHORIZED ACCESS.
 16. FOR INTEGRATED CONTROL SPACE LOCATED IN SEISMIC AREA, PROVIDE A SEISMIC SWITCH ACCESS DOOR OF SIZE AND LOCATION PER KONE FINAL LAYOUT DRAWINGS. THE ACCESS DOOR SHALL BE SECURED AGAINST UNAUTHORIZED ACCESS.
 17. PROVIDE A SUITABLE WORKING ENVIRONMENT INCLUDING ADEQUATE ACCESS TO THE BUILDING, PROPER LIGHTING IN ALL AREAS, CLEAN AND SAFE STORAGE ADJACENT TO THE HOISTWAY, AND SUFFICIENT ON-SITE REFUSE CONTAINERS FOR THE DISPOSAL OF ELEVATOR PACKING MATERIALS.
 18. THIS DRAWING MUST BE REVIEWED AND APPROVED BY A LICENSED PROFESSIONAL TO ENSURE COMPLIANCE WITH LOCAL BUILDING CODES.
 19. THESE DRAWINGS ARE FOR INFORMATION PURPOSES ONLY AND MUST NOT BE USED FOR CONSTRUCTION PURPOSES. FULLY DETAILED CONSTRUCTION DRAWINGS ARE AVAILABLE FROM THE PRODUCT MANUFACTURER.

RE-OPEN CONFIGURATION IN THE TOOLBOX: <http://architectstoolbox.kone.us/Mono500?savedConfigurationID=53190>



SPECIFICATIONS

PRODUCT NAME: KONE MONOSPACE 500 ELEVATOR
SEISMIC
CAPACITY: 3500 LB
SPEED: 150 FPM
DOOR: LEFT OPENING
TRAVEL: 46' 0"
CONTROL LOCATION: INTEGRATED
POWER SUPPLY: 480V
REQUIRED FUSE AMPS: 25.0 amps
CONTROLLER HEAT OUTPUT: 3.0 MBTUx/HR
MACHINE HEAT OUTPUT: 1.5 MBTUx/HR

BUILDING (PROJECT NAME)

FIRST PLACE

ARCHITECT

DRAWING#

PXID: 53190

LOCATION

LOS ALTOS

DATE

25/10/2018

SHEET

1