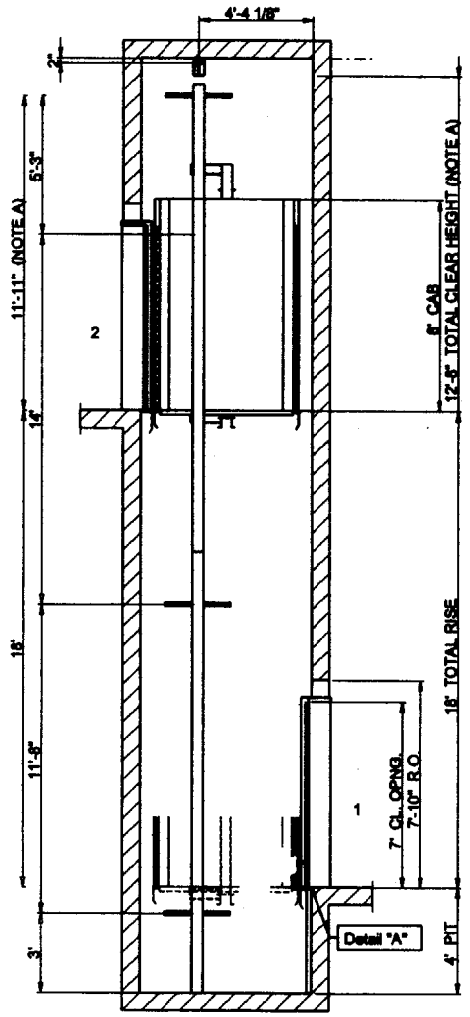
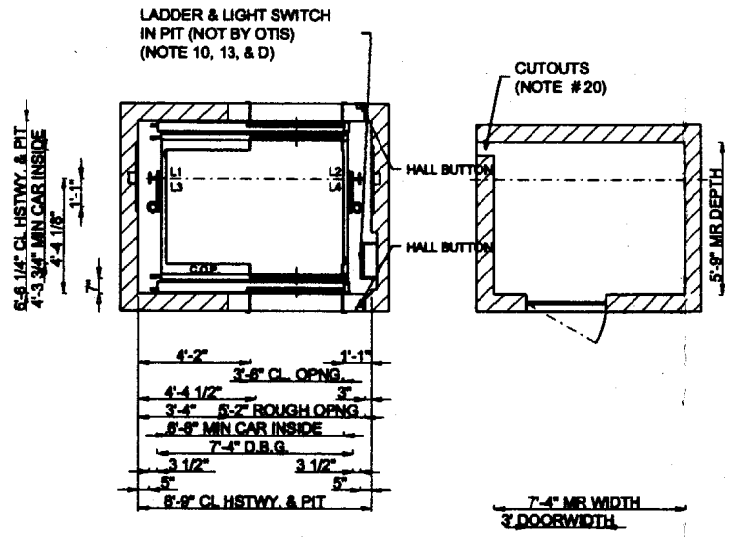
STEEL SAFETY BEAM PROVISIONS FOR
A MINIMUM NET LIVE LOAD OF
5000 lbs. NOT BY OTIS



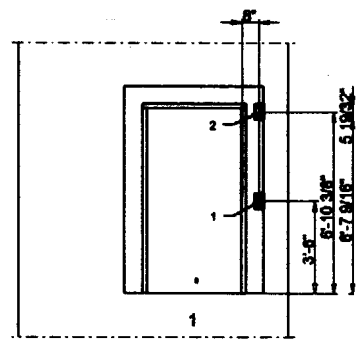
SECTIONAL ELEVATION

LADDER & LIGHT SWITCH
IN PIT (NOT BY OTIS)
(NOTE 10, 13, & D)

CUTOUTS
(NOTE #20)

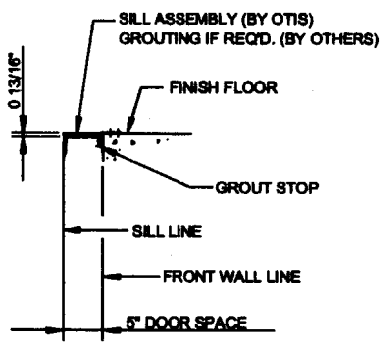


PLAN VIEW

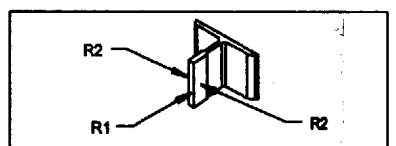


1. HALL BUTTON AT ALL FLOORS
2. OPTIONAL HALL POSITION INDICATOR OR HALL LANTERN (TYPICAL LOCATION WITH 7'-0" / 2134 OPENING).

ENTRANCE VIEW



DETAIL "A"
ADEQUATE SUPPORT AT ALL
FASTENING POINTS OF ENTRANCE
ASSEMBLY REQUIRED. (NOT BY OTIS)



RAIL FORCE & BRACKET DETAIL

R1	R2	MAXIMUM BRACKET SPACING
186 lbs	75 lbs	14'

NOTE A:
IF A FALL HAZARD EXISTS, INCREASE
DIMENSION BY 5".

NOTE B:
SUMP OR DRAIN REQUIRED IN PIT
(NOT BY OTIS). LOCATION TO BE
COORDINATED WITH OTIS TO AVOID
ELEVATOR COMPONENTS AND ACCESS
AREA.

NOTE C:
HOISTWAY FACIA IS NOT SELF-SUPPORTING
FOR LONG, CONTINUOUS RUNS VOID OF
ENTRANCES. ADEQUATE SUPPORT FOR
THE FACIA MUST BE PROVIDED BY OTHERS.

NOTE D:
IN AREAS REQUIRING COMPLAINCE TO ASME A17.1a-2002
INCREASE HOISTWAY & PIT WIDTH BY 2.5" EACH SIDE (5" OVERALL)
OR PROVIDE CUTOUT FOR PIT LADDER:
(CUTOUT = 26"W x 2.5"D x (PIT DEPTH + 48")H).
CONSULT YOUR LOCAL OTIS REPRESENTATIVE TO
CONFIRM YOUR SPECIFIC REQUIREMENTS
AND LADDER LOCATION.

NOTE E:
FOR ELEVATORS WHERE THE REAR OPENING
IS THE PIT ACCESS (INSERT PLACEMENT IS
EFFECTED), THE PLUNGERS/CYLINDERS, RAILS,
SAFETY BEAM, LADDER & INSERT LOCATION
SHOULD BE MIRRORED FRONT-TO-BACK.

DIRECTIONAL ARROW
INDICATE NORTH
FOR HOISTWAY AND
MACHINE ROOM PLAN

IMPORTANT NOTES
GENERAL REQUIREMENTS BY OTHERS

1. PROPERLY FRAMED AND ENCLOSED LEGAL HOISTWAY INCLUDING VENTING AS REQUIRED BY THE GOVERNING CODE AND SAFETY BEAM AS SHOWN.
2. ADEQUATE SUPPORT FOR GUIDE RAIL FASTENINGS NOT TO EXCEED THE VERTICAL SPACING SHOWN ON THE RAIL BRACKET CHART. SEPARATOR BEAMS WHERE REQUIRED.
3. PROVISION FOR GUARDING AND PROTECTING THE HOISTWAY DURING CONSTRUCTION TO BE ERECTED, MAINTAINED, AND REMOVED BY OTHERS.
4. ALL CUTTING OR PATCHING TO ACCOMMODATE ELEVATOR INSTALLATION.
5. HOISTWAY WALLS ARE TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIRED FIRE RATING INCLUDING WHERE PENETRATED BY ELEVATOR FIXTURE BOXES, AND TO INCLUDE ADEQUATE FASTENINGS TO HOISTWAY ASSEMBLIES. A HORIZONTAL SUPPORT MUST BE PROVIDED 12" (305mm) ABOVE THE CLEAR OPENING AT EACH LANDING TO SUPPORT THE DOOR FRAME ASSEMBLY. THE ENTRANCE WALL AND THE FINISHED FLOOR MUST NOT BE CONSTRUCTED UNTIL THE FRAMES AND SILLS ARE SET.
6. FOR PRECAST OR POURED CONCRETE WALLS, PROVIDE THE ROUGH OPENING FOR HOISTWAY AS SHOWN ON LAYOUT, AND ANY GROUTING AROUND ENTRANCE FRAMES IF REQ'D.
7. SUITABLE MACHINE ROOM WITH LEGAL ACCESS AND MINIMUM HEIGHT OF 7'-6" (2286mm) TO BE PROVIDED. MACHINE ROOM TEMPERATURE MAINTAINED BETWEEN 60° & 100° F (15.6° & 37.8° C). RELATIVE HUMIDITY NOT TO EXCEED 85% NON-CONDENSING FOR HEATING, VENTILATION, AND AIR CONDITIONING REQUIREMENTS OTHER THAN THOSE SHOWN ABOVE REFER TO OTIS CONFIRMATION OF POWER SUPPLY FORM. MACHINE ROOM SIZE MAY VARY WITH LOCAL CODE. CONSULT YOUR OTIS REPRESENTATIVE.
8. A SEPARATE BRANCH CIRCUIT FOR SUITABLE LIGHT FIXTURE(S) AND CONVENIENCE OUTLETS, WITH G.F.I., IN THE MACHINE ROOM WITH THE LIGHT SWITCH LOCATED ADJACENT TO THE LOCK JAMB SIDE OF THE MACHINE ROOM DOOR.
9. FOR EACH ELEVATOR, A THREE PHASE ELECTRICAL FEEDER SYSTEM WITH A SEPARATE EQUIPMENT GROUNDING CONDUCTOR AND A SINGLE PHASE 120 VOLT LIGHTING SUPPLY, EACH WITH A FUSED DISCONNECT SWITCH OR CIRCUIT BREAKER, LOCATED IN THE MACHINE ROOM AND WIRED TO EACH CONTROLLER.
10. IN THE PIT, A SEPARATE BRANCH CIRCUIT FOR CONVENIENCE G.F.C.I. OUTLET & LIGHT FIXTURE WITH LIGHT SWITCH ADJACENT TO THE PIT LADDER.
11. ALL ELECTRIC POWER FOR TOOLS, LIGHT, HOIST, ETC., DURING ERECTION AS WELL AS ELECTRIC CURRENT FOR STARTING AND ADJUSTING THE ELEVATOR.
12. DRY PIT REINFORCED TO SUSTAIN VERTICAL FORCES OF UP TO:
    17724 LBS AT EACH BUFFER AND
    3700 LBS AT THE CYLINDER HEAD.
    THE ACCUMULATION OF WATER MUST BE PREVENTED.
13. A FIXED VERTICAL STEEL LADDER TO PIT EXTENDING 4'-0" (1219mm) ABOVE THE SILL OF THE BOTTOM ENTRANCE AS LOCATED IN THE PLAN VIEW. LADDDER WIDTH AND PROJECTION FROM WALL PER LOCAL CODE. IF PIT DEPTH IS GREATER THAN 9'-10" (3000mm) [13'-9" WITH NO FLOOR BELOW BOTTOM LANDING] A PIT ACCESS DOOR IS REQ'D.
14. PIT FLOOR BENEATH CYLINDERS AND BUFFER TO BE FLAT AND LEVEL WITHIN 1/8" (3mm) FULL WIDTH HOISTWAY.
15. ELEVATOR CAB FLOORING MUST NOT EXCEED A THICKNESS OF 5/16" (8mm).
16. ONE (1) DEDICATED OUTSIDE TELEPHONE LINE TO THE ELEVATOR MACHINE ROOM MUST BE FURNISHED. TELEPHONE CONNECTIONS TO EACH CONTROLLER. TELEPHONE INSTRUMENT BY OTHERS.
17. ALL 125 VOLT, 15 OR 20 AMP, SINGLE PHASE DUPLEX RECEPTACLES INSTALLED IN PITS, MACHINE ROOMS OR MACHINERY SPACES, SHALL BE OF THE GROUND-FAULT-CIRCUIT-INTERRUPTER TYPE.
18. SMOKE DETECTORS, LOCATED AS REQUIRED, WITH WIRING FROM THE SENSING DEVICES TO A CONTROLLER DESIGNATED BY OTIS. FOR EACH GROUP OF ELEVATORS, PROVIDE A NORMALLY CLOSED CONTACT REPRESENTING THE SMOKE DETECTOR AT THE DESIGNATED RETURN LANDING. FOR EACH GROUP OF ELEVATORS, PROVIDE A NORMALLY CLOSED CONTACT REPRESENTING ALL SMOKE DETECTORS LOCATED IN LOBBIES, HOISTWAYS, OR MACHINE ROOMS, BUT NOT THE SMOKE DETECTOR AT THE DESIGNATED RETURN LANDING (SEE ABOVE) OR THE SMOKE DETECTORS AS DESCRIBED IN A & B BELOW:
    A) IF A SMOKE DETECTOR IS LOCATED IN THE HOISTWAY AT OR BELOW THE LOWER OF THE TWO RECALL LANDINGS, IT SHALL BE WIRED TO ACTIVATE THE SAME NORMALLY CLOSED CONTACT AS THE SMOKE DETECTOR LOCATED IN THE LOBBY AT THE LOWER OF THE TWO RECALL LANDINGS.
    B) IF MACHINE ROOMS ARE LOCATED AT THE DESIGNATED RETURN LANDING, THE SMOKE DETECTOR LOCATED THEREIN SHALL BE WIRED TO ACTIVATE THE SAME NORMALLY CLOSED CONTACT AS THE SMOKE DETECTOR AT THE DESIGNATED LANDING. FOR A SINGLE UNIT, OR GROUP OF ELEVATORS HAVING ONE COMMON MACHINE ROOM AND ONE COMMON HOISTWAY, PROVIDE ONE ADDITIONAL NORMALLY CLOSED CONTACT REPRESENTING ALL MACHINE ROOM AND HOISTWAY SMOKE DETECTORS. IF THE GROUP CONTAINS MORE THAN ONE HOISTWAY, AND HOISTWAY SMOKE DETECTORS ARE INSTALLED, OR IF THE GROUP HAS MORE THAN ONE MACHINE ROOM, PROVIDE ONE ADDITIONAL NORMALLY CLOSED CONTACT FOR EACH ELEVATOR. THE CONTACT IS TO REPRESENT THE SMOKE DETECTOR IN THE MACHINE ROOM FOR THAT PARTICULAR ELEVATOR, AND ANY SMOKE DETECTORS IN THE HOISTWAY CONTAINING THAT PARTICULAR ELEVATOR.
19. IF SPRINKLERS ARE INSTALLED IN THE HOISTWAY, MACHINE ROOM, OR MACHINERY SPACES, LOCAL CODE MAY REQUIRE A MEANS TO AUTOMATICALLY DISCONNECT THE MAIN POWER SUPPLY OF THE AFFECTED ELEVATOR PRIOR TO THE APPLICATION OF WATER (CONFIRM WITH LOCAL CODE OFFICIAL). SMOKE DETECTORS SHALL NOT BE USED TO ACTIVATE SPRINKLERS IN HOISTWAYS, MACHINE ROOMS OR MACHINERY SPACES OR TO DISCONNECT THE MAIN LINE POWER SUPPLY.
20. TWO (2) 6" X 6" (152mm x 152mm) CUTOUTS ARE REQUIRED (NOT BY OTIS). THE ACTUAL LOCATION OF THE CUTOUTS FOR THE TE AND FROM OIL PIPE AND ELECTRICAL TROUGH WILL VARY DEPENDENT UPON MACHINE ROOM LOCATION AND CONFIGURATION.

LVM 2500TR
Passenger
Model Hydraulic
2500 lbs. @ 100 F.P.M.

HYDRAULIC PIPE TO COMFORM TO ASTM A106, GRADE B, SEAMLESS.
DIMENSIONAL DATA ON LAYOUT COMPLIES WITH ASME A17.1 AND/OR LOCAL CODE.

APPROVAL
THIS ARRANGEMENT AND SUPPLEMENTARY NOTES APPROVED

SIGNED DATE

GUARANTEE
HOISTWAY SIZE GUARANTEED PLUMB WITHIN 1" /25mm
BUT NOT LESS THAN FIGURES SHOWN

SIGNED DATE

UNITED TECHNOLOGIES OTIS ELEVATOR

BUILDING	59 WASHINGTON STREET
LOCATION	Portland, ME
CONTRACT WITH	A & M Properties, LLC
OWNER	A & M Properties, LLC
ARCHITECT	A & M Properties, LLC
SEISMIC ZONE	0/1

DWG. NO. _____