FREEDOM COMMERCIAL

Benefits…

- Meets Limited Use Limited Application (LULA) commercial requirements at economical price
- Automatic side-slide doors
- Heavy capacity and durable finishes

The right situation…

- Public building with 3 floors or less
- Interested in meeting ADA compliance

Watch out for…

- LULA specification is not accepted in all regions – must consult with building department
- LULA elevators are limited to maximum of 25 ft of travel (floor to floor)
- Deep pit – the FREEDOM COMMERCIAL elevator requires a 24” pit minimum
- This elevator travels at 30 fpm which is slower than standard commercial elevators

Additional Information…

- The installation takes approximately 10 days
- The customer must have site prepared with permanent power to a fuseable disconnect box
- Should have a functional telephone jack in the machine room for running to the elevator
- Hoistway must be built to follow specs with special attention to reinforced rail wall
- The dimensions in the drawings are FINISHED dimensions, after sheetrock is installed
- The hoistway, must be sheetrocked, and doors must be hung prior to start of installation
- The hoistway should have a service light and power outlet
- Pit must be at least 24” in depth, and pit walls must be flush with hoistway walls (no lip)
- Machine room requirements

Information to capture…

- Capture floor to floor measurements – must be within 1/4”
- Capture overhead distance on upper floor
- Capture finished hoistway dimensions – make sure you figure in sheetrock thickness
- Capture pit depth
- Note door locations and door swings
- Note location of rail wall and machine room
- Capture customer’s preferences regarding wall finishes, controller finish, and call stations

NATIONWIDE LIFTS

FREEDOM COMMERCIAL

KEY FEATURES AND BENEFITS

Commercial or Residential lift for applications requiring larger platforms or loads.

Standard Options

- Modular steel cab design for robust, long lasting performance
- Variety of Wall Finishes in either economical baked polyester solid steel or fire rated plastic laminate hang on panels
- Variety of Doors available automatic two speed sliding or swing type in manual or automatic operation
- Up to 25 ft of travel allowed on commercial applications, up to 40 ft available for residential
- ADA Phone available built into car operating station
- Phase II Fire Service available to meet the strictest codes and standards
- Over Speed Governor is standard equipment as required by codes.
- Digital Floor Indicators in hall calls and car operating panel confirm the location of the elevator
- Arrival Chimes in hall and car for the visually impaired

Custom sizes, shapes, designs, finishes, heights and configurations all available

Ride Quality

- Elevator Guide Rail provides smooth joints and stable ride
- Structural Design of cab and sling eliminates deflection and unwanted cab movement
- High-Tech Polyurethane Guide Shoes reduce friction and noise normally associated with rollers
- Quiet and smooth riding Car Gate Operation with proven gate switch
- Commercial Buttons and Fixtures that have to meet the more stringent passenger elevator testing and design criteria
- Commercial Quality Controller
- Matched, factory assembled and tested Pump/Motor Assemblies
- Plug-N-Play Wiring ensures correct and stable connections throughout the installation

Safety Devices

- Slack Rope Safeties that instantly lock the elevator onto the rails the moment any lifting cable loses tension
- Negative Pressure Module valve prevents car movement if hydraulic pressure is lost
- Backup Lighting powered by emergency battery
- Flow Control Valve to prevent over-speed in the down direction
- Interlocks Provided, which maintain the door in the closed and locked position before elevator can move
- Light Curtain standard when 2 speed doors ordered to ensure passenger safety.

Hydraulic Drive System

- 1:2 Cable Hydraulic Drive System means 1 foot of cylinder rod movement for 2 feet of cab travel
- Solid, accurately machined Cylinder Rod provides a stiff column for a high quality ride
- Twin Lip Cup high performance seal provides for cylinder rod stability - virtually eliminating leakage
- Variable Speed Proportional Valve provides for the smoothest, most consistent ride in the industry, regardless of the weight load in the cab
- Spring isolated Submersible Motor and Pump provide for a smooth, quiet operation
- Electro-Proportional Valve controls the descent of the elevator further reducing power requirements and noise
- Emergency Battery Lowering provides a safe means of exit in the event of a power failure
- Emergency Manual Lowering Device is located outside the descent for easy, safe and effective passenger descend in the event of an emergency

NATIONWIDE LIFTS

FREEDOM COMMERCIAL
Features & Options Summary

Equipment Performance Features	Standard	Option
1:2 Cable Hydraulic Drive System	S	
2 Stop Package	S	3-4 Stops
Rated Speed (Nominal)	30 fpm / 0.15mps	
Capacity	1400lb/636kg	
Up to 10' (3048mm) of Total Travel	S	
Travel Over 10' (3048mm) [Includes Hydraulics, Travelling Cable, Hoist Ropes & Rail (Per Foot)]		120" - 360"
Power Required 230 Single Phase or 208 3-Phase 60Hz	S	
Standard Pit Depth	14" (up to 24")	>24" - 96"
Fireman's Service (Phase 1 & 2, with 2-speed Sliding Doors)		0
Battery Operated Emergency Lowering and Lighting with Automatic Recharging	S	
Cab Entrance Features	**Standard**	**Option**
Type 1 (Standard) or Type 2 (W) Cab	S	
Cab Height 84" (2134mm) (Nominal)	S	
48" x 54" (1220mm x 1370mm) Clear Inside	S	
42" x 60" (1067mm x 1524mm) Clear Inside		O
54" x 54" (1370mm x 1370mm) Clear Inside		O (Non-commercial)
Vertical Stainless Steel Control Panel/Station (Keyless)	S	
Metal Car Station Push Buttons With Halo Lighting	S	
Tactile Plates On Car Station	S	
Emergency Stop Switch	S	
Emergency Alarm Button	S	
Telephone Cabinet - Stainless Steel		O
Telephone Cabinet - Brass (Available with Brass package Option Only)		O
Brass Package (Control Panel, Light Fixtures, Handrail and Hall Calls)		O
Digital Floor Indicator in Cab	S	
In-Car Directional Indicator	S	
In-Car Arrival Chime	S	
Modular Steel Cab Painted Either Black or Off-white	S	
Plastic Laminate Clip-On Wall Panels		O
Stainless Steel Handrail (On Car Operating Panel Side Only)	S	
Solid Architectural White Ceiling (With 4 Recessed Incandescent Down Lights)	S	
Unfinished Plywood Sub-Floor	S	
Keyless Hall Call Stations with Digital Floor Indicator, Directional Indicator and Arrival Chimes (with Auto Doors)	S	
Manual Fire Rated Folding Cab Gate		O
Automatic Fire Rated Folding Cab Gate		O
2 Speed Sliding Cab Doors (Combined w/ Sliding Hall Doors Only) Power Operated, Two Speed, 36"x80", Horizontal Sliding Cab Doors ● 24V DC (Operable During Power Outage) ● Infrared Self-contained Light Curtain and Automatic Re-open System ● Baked Enamel Finish, Same Color as Cab or Stainless Steel ● Landing Doors MUST be Ordered with this Option		O

NATIONWIDE LIFTS

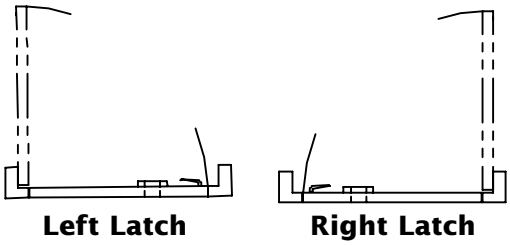
FREEDOM COMMERCIAL
Features & Options Summary

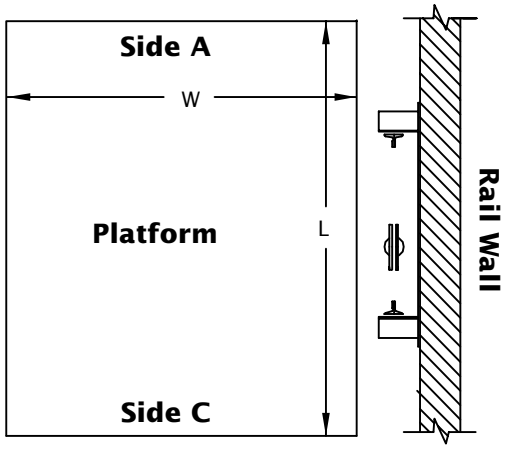
Cab Entrance Features	Standard	Option
2 Speed Sliding Landing Doors (Combined with Sliding Cab Doors) Power Operated, Two Speed Horizontal, Steel Landing Door 36" x 80" ● 2 Hour Fire Rated (UL/ULC) ● Prime Coat Finish or Stainless Steel ● Electromechanical Interlocks		O
Pro-Auto Landing Door Landing Entrance Door and Frame Assembly (Automatic Swing Door) ● 2 Hour UL/ULC Fire Rated Door, Zinc Wipe Coat Finish ● Concealed Pro-Auto Door Opener with Adjustable Open/Close Speed ● Swing Clear Opening ● Interior Aluminum Push Plate, Exterior Pull Handle ● Concealed Heavy Duty Stainless Steel BB Hinges ● Aluminum Frame Vision Panel ● Interior Aluminum Kick Plate ● Pro-Auto Door Lock		O
Pro-Manual Landing Door Landing Entrance Door and Frame Assembly (Manual Swing Door) ● 2 Hour UL/ULC Fire Rated Door, Zinc Wipe Coat Finish ● Two Speed Hydraulic Closure ● Aluminum Pull Handle ● Concealed Heavy Duty Stainless Steel BB Hinges ● Aluminum Frame Vision Panel ● Interior Aluminum Kick Plate ● Pro Door Lock		O
Installation Features	**Standard**	**Option**
Buffer Springs (24" Minimum Pit Depth Required)		O
Elastomeric Bumpers	S	
Magnetic Floor Selection, Stopping and Re-leveling	S	
Final Upper Limit	S	
Pit Prop	S	
Car Top Prop (When Required)	S	
Over-Speed Governor	S	
Car Top Inspection Station	S	
Negative Pressure Switch	S	
Variable Speed, Pressure Compensated Proportional Valve	S	
Submersed Motor	S	
16' Rail Sections	S	
8' Rail Sections		O
Final Drawings Included With Confirmed Order	S	
Operating Instruction Labels	S	
Hose 15' (With Flow Control Valve)		O
Hose 20' (With Flow Control Valve)		O
Hose 25' (With Flow Control Valve)		O
Flow Control Valve Only		O
Pipe Rupture Valve		O
Anchors For Hoistway Construction	S	
Lag Bolts		O
Through Bolts		O
Concrete Anchors		O
Data Access Terminal (DAT) (Required for Installation & Maintenance)		O
Dupline Programming Tool (Required for Maintenance)		O
Temporary Run Button (Required for Installation)		O
Conductor Cable For Hoistway to Pump Wiring		O

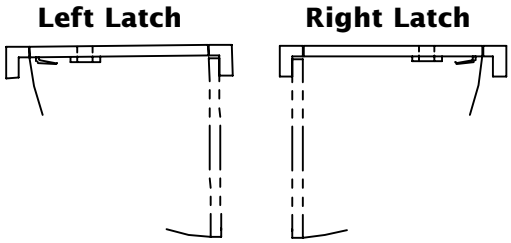
NATIONWIDE LIFTS

FREEDOM COMMERCIAL
LU/LA Elevator Guide Sheet

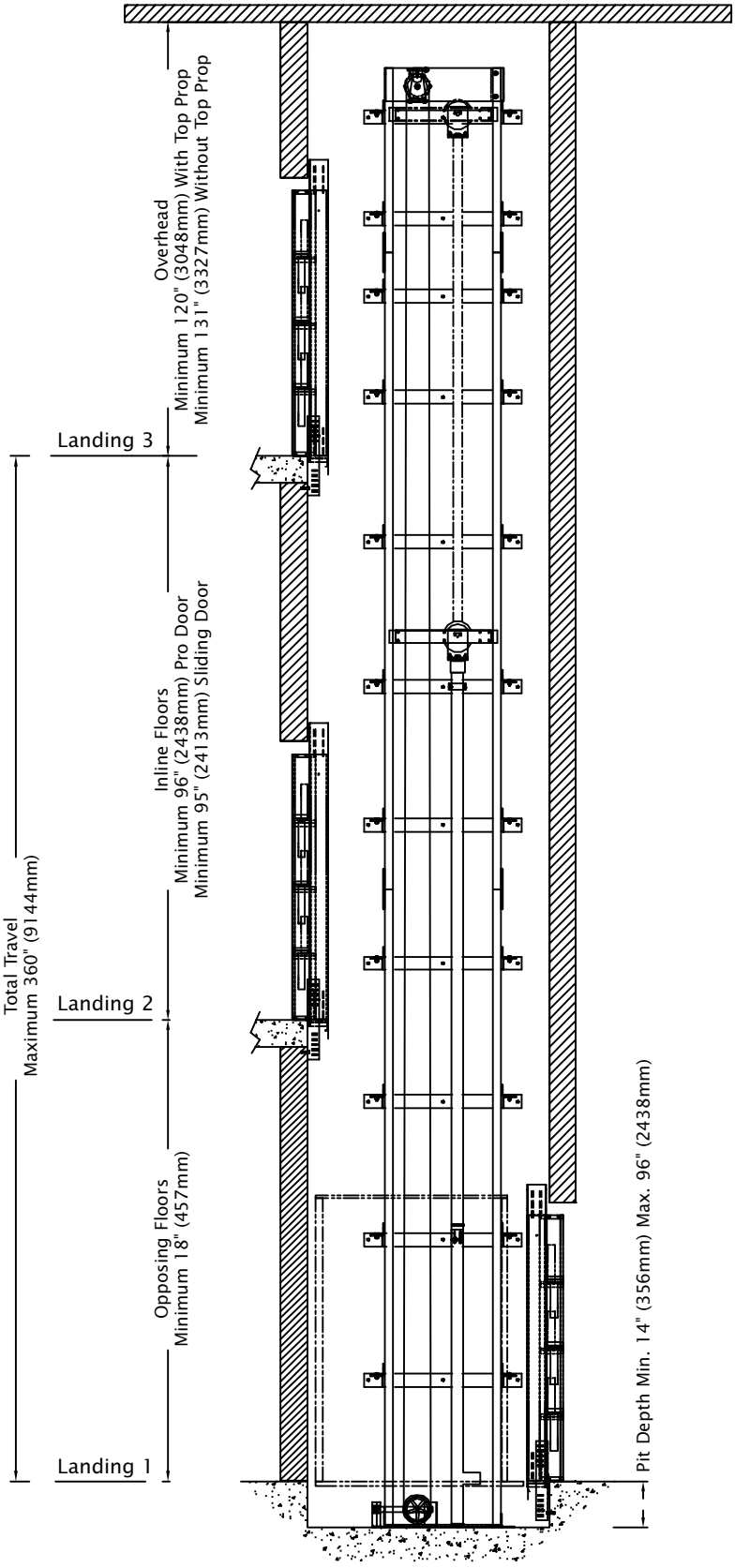
Door Locations & Latches (Prodoors)







Typical Hoistway Elevation

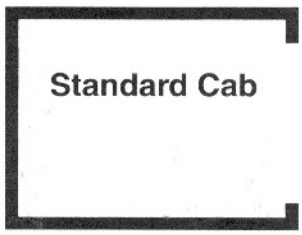


FREEDOM COMMERCIAL
Cab Type Legend

Model Description:
The model number is a combination of the finished cab interior dimensions and the cab type.

Sample: Model 4854W

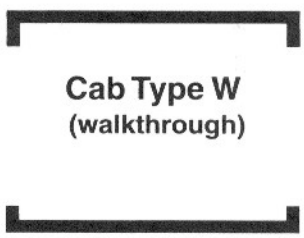
- 4854 — Clear Inside (48"x54")
- W — Cab Type



Standard Cab

Standard cab configurations offers a single front entrance with a 2-speed sliding door.

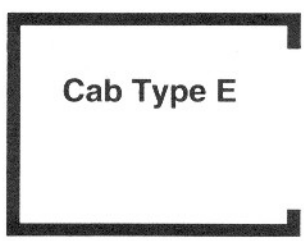
Example: Model 4854



Cab Type W
(walkthrough)

Cab type W offers both front and rear entrances with two 2-speed sliding doors.

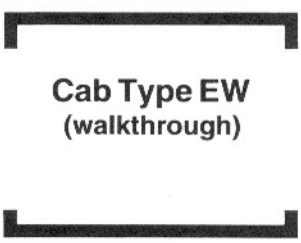
Example: Model 4854W



Cab Type E

Cab type E offers a single front entrance with a Pro-Swing door.

Example: Model 4854E



Cab Type EW
(walkthrough)

Cab type EW offers both front and rear entrances with two Pro-Swing doors.

Example: Model 4854EW

NATIONWIDE LIFTS

PRODUCT OPTION AVAILABLE
ON THE FREEDOM COMMERCIAL

Handsfree ADA Phone

To compliment the FREEDOM COMMERCIAL, we have sourced a high tech handsfree ADA phone as part of our product options. The phone, designed to fit behind the car operating panel is fully-automated and simple to program.

Key features	**Specifications**
➢ Voice activated location announcer ➢ Programmable memory for three (3) emergency telephone numbers ➢ ADA compliant, FCC and CSA 03 approved	➢ Wiring requirements include phone line and 20 AWG shielded, twisted pair ➢ Phone line power source ➢ Programming with built in keypad and telephone line

Additional features

Installation (COP is prepared to accept phone)
- Requires no external power or battery back-up
- Connects to a push button in the COP (alarm)

Simple Programming
- Built-in keypad allows programmable features to be easily set or modified on site
- Remote programming also available through the telephone line
- Programming error indicator
- Programming protected by a modifiable PIN code

Fully Automated Operation
- For hands-free conversation
- Variable conversation time settings
- Automatic off hook and shut off

Voice Activated Location Announcer
- With a 16 second message for prerecording to give the building location or a customized message
- Message can be programmed to play for both parties
- The location of the call can also be done by caller id

Three Number Emergency Memory
- Can be programmed with 3 telephone numbers to be called in sequence if no answer

ADA Compliant
- The push button light can be flashed to alert occupants that help is on the way

This option is available for ordering on our order forms.

FREEDOM COMMERCIAL

LIMITED USE/LIMITED APPLICATION ELEVATOR

Planning Guide

for Limited Use/Limited Application Elevator

ASME A17.1 - 2004 Section 5.2
CAN/CSA B44-04

Effective June 1st, 2005
Revised September 19th, 2005

FREEDOM COMMERCIAL

LU/LA ELEVATOR

Limited Use/Limited Application Elevator (A17.1/B44 Compliant)

This Planning Guide is designed to assist architects, contractors, building owners and elevator professionals in planning for a FREEDOM COMM Elevator that meets the requirements of ASME A17.1-2004 Section 5.2. This unique elevator is designed to help solve accessibility problems in commercial buildings and meet state and national codes covering the Limited Use/Limited Application (LULA) elevators.
We strongly recommend you contact the Authority Having Jurisdiction (AHJ) in the region where the equipment will be installed. Become familiar with all requirements governing the installation and use of elevators in public and private buildings. It is extremely important for you to know and adhere to all regulations concerning installation and use of elevators.

IMPORTANT NOTICE:
This Planning Guide provides dimensions and specifications useful for INITIAL planning of an elevator project. BEFORE beginning actual construction, be sure to receive application drawings customized with specifications and dimensions for your specific project.
Elevator configurations and dimensions are in accordance with Nationwide Lifts' interpretation of the standards set forth by ASME A17.1-2004 Section 5.2. The specifications in this Planning Guide are subject to constant change (without notice) due to product enhancements and continually evolving codes and product applications.

Steps of planning for a FREEDOM COMMERCIAL LU/LA Elevator:

1. Determine customer's intention for use.
2. Determine code requirements of site.
3. Determine installation parameters of site.
4. Determine the car type from the hoistway requirement pages.
5. Determine the interior size of the car.
6. Use the appropriate chart to determine the hoistway requirements.
7. Use page 15 to plan for hoistway door requirements
8. Use page 16 to plan for hoistway and hoistway pit electrical requirements.
9. Use page 17 to plan for machine room and electrical requirements.

Contents

STANDARD EQUIPMENT FOR LU/LA COMPLIANCE

The FREEDOM COMMERCIAL meets the requirements of ASME A17.1-2004 Section 5.2 for a Limited Use/Limited Application Elevator.

General

Rated Load: 1400 lbs. (635kg)
Nominal Speed: 30 fpm (0.15 m/s)
Travel Distance Maximum 25’ (7.6m)
Levels Served Maximum 4
Number of openings per level - Maximum 2
Data Plates, capacity tags and rope tags
Minimum pit depth: 14" (355 mm)
Minimum overhead clearance:
- Existing Construction 120" (3048 mm)
- New Construction 131” (3327 mm)

84" (2743 mm) clear cab height
Presentation drawings

Mechanical Equipment

1:2 roped hydraulic single stage cylinder
5 hp submersible motor
Electronic proportional valve assembly
208V, 3PH, 60 Hz, 30 Amp power supply or
230V, 1PH, 60 Hz, 50 Amp power supply
8 lb./ft. T-Rail system
Two 3/8“ (8 mm) diameter aircraft cables
Sling assembly
Rope wedge sockets

Standard Cab and Appointments

Cab Size: 48" x 54" (1219 mm x 1371 mm)
Cab Height: 84" (2134 mm)
Cab Walls: Steel Panel Cab w/Optional Laminates
Cab Ceiling: Architectural white steel ceiling with four (4) recessed incandescent down lights
Stainless steel flush mounted cab operating panel
Digital floor and directional indicator
Illuminated cab operating buttons
Recessed plywood flooring

Controls

Programmable Logic Controller (PLC)
Fully automatic operation
Stainless steel rectangular hall call stations
Automatic cab lighting with battery back-up operation
Emergency alarm and stop key switch
Floor specific battery lowering
Magnetic tape reader for floor selection and leveling

Safety Devices

Emergency battery back-up for lighting, alarm and lowering
Emergency manual lowering
Upper and lower terminal limits
Manual reset slack rope safety switch
Automatic bi-directional leveling
Anti creep device
Pit switch
Pump run timer
Car top stop switch
Pit clearance device
Maintenance Pit Props
Car Top Prop (Where Required)

Other Options - All Models

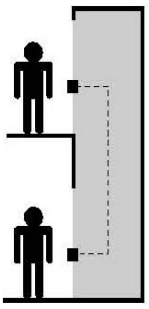
Automatic cab gate operator
Automatic operators for hoistway doors
90 degree entry/exit cab
2 Exit openings at one landing
3 or 4 stops with up to 50 ft. (15.24 m) of travel (where excess travel is permissible)

Other Options Available

Raised Plastic Laminated Panels in a choice of 7 colors
Recessed telephone cabinet in stainless steel or brass
Hands Free Phone
2 Speed Sliding Doors
Fire Rated Automatic Swing Doors with Accordion Style Car Gates
Brass C.O.P, Brass hall/call stations, Brass Handrail & Brass recessed down lights.
Optional Cab Sizes – 42” x 60” (1067 mm x 1524 mm), 51” x 51” (1295 mm x 1295 mm),
Automatic home landing to pre-selected floor
Firefighters Service – Phase I & II

48” X 54” TYPE 1 LEFT HAND OR RIGHT HAND W/ 2 SPEED DOORS – ENTER/EXIT SAME SIDE
NOTE: PLAN VIEW DRAWING CAN BE REVERSED FOR RIGHT HAND APPLICATIONS

Type 1

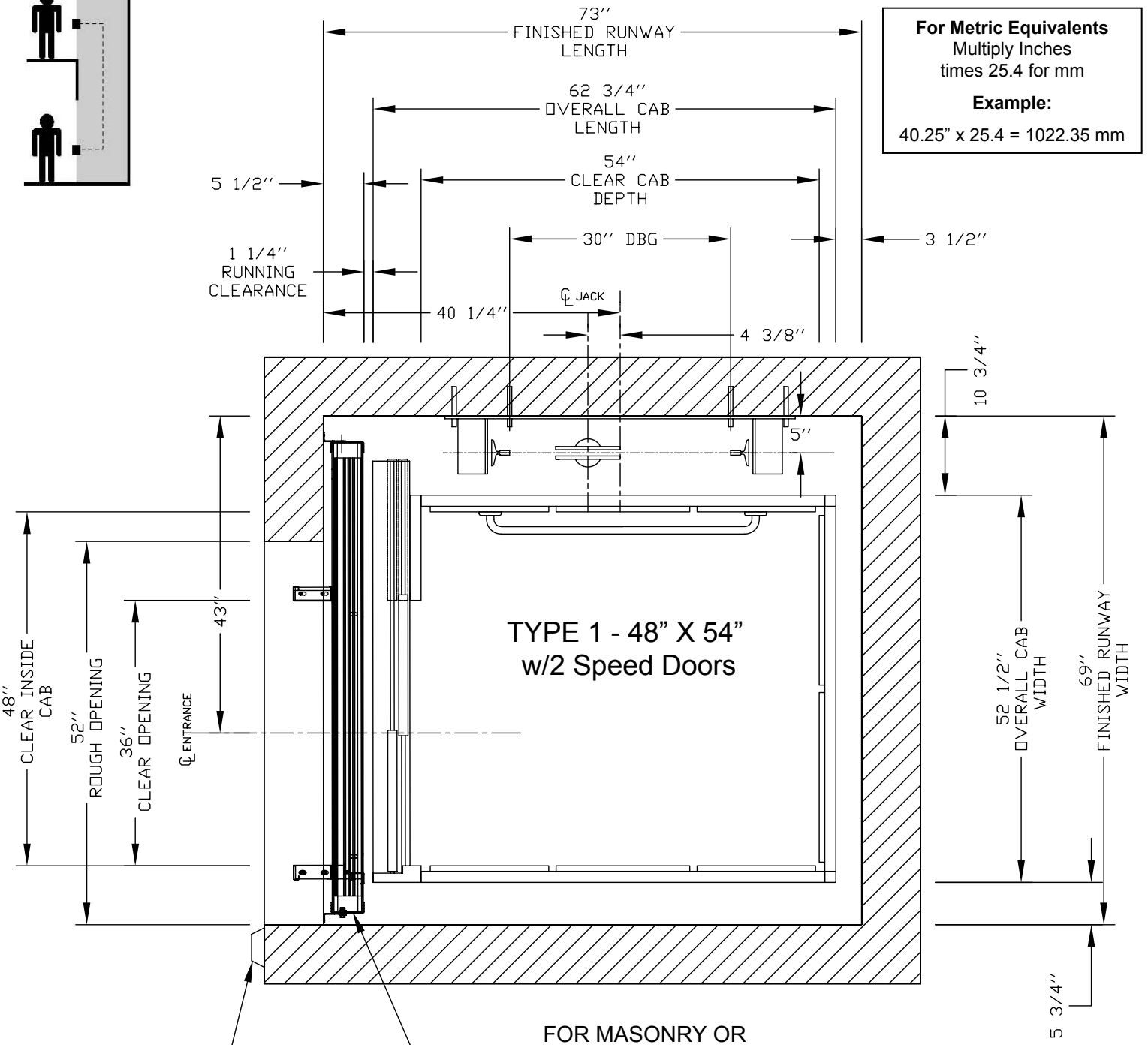


Important Note: Finished hoistway dimensions must include the drywall (where applicable). Determine the fire rating of the hoistway, the type and layers of sheet rock and build only off shop drawings specific to your project.

For Metric Equivalents
Multiply Inches
times 25.4 for mm

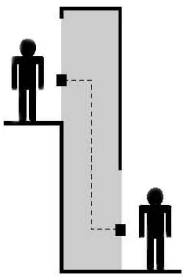
Example:

40.25” x 25.4 = 1022.35 mm



48” X 54” TYPE 2 WALK THROUGH w/ 2 SPEED DOORS – ENTER/EXIT EITHER SIDE
NOTE: PLAN VIEW DRAWING CAN BE REVERSED FOR RIGHT HAND APPLICATIONS

Type 2



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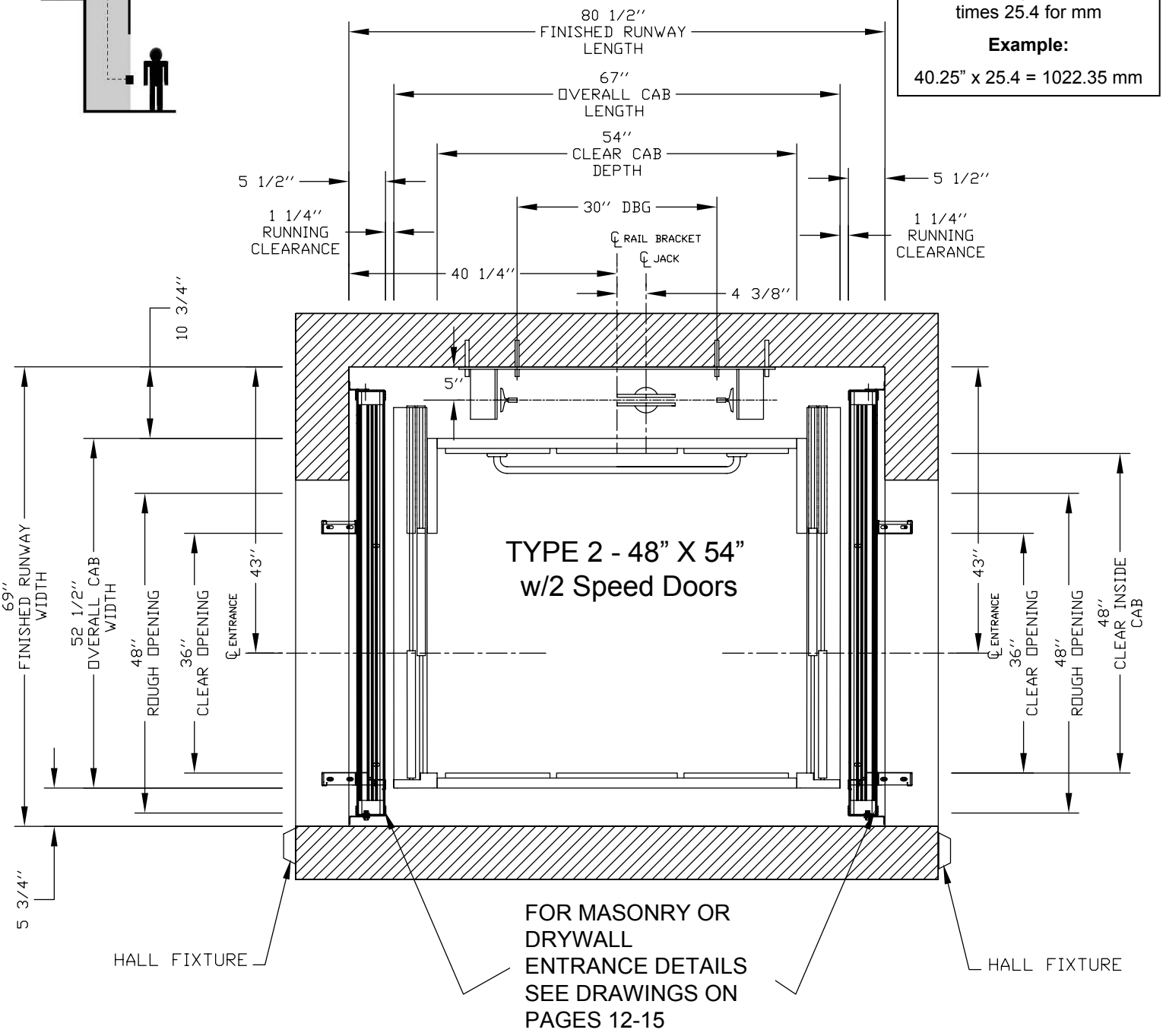
times 25.4 for mm

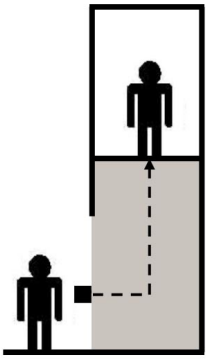
Example:

40.25” x 25.4 = 1022.35 mm



51” X 51” TYPE 3 OR 4 w/ 2 SPEED DOORS – ENTER/EXIT FRONT OR SIDE
NOTE: PLAN VIEW DRAWING CAN BE REVERSED FOR TYPE 4 APPLICATIONS

Type 3 or 4



Important Note: Finished hoistway dimensions must include the drywall (where applicable). Determine the fire rating of the hoistway, the type and layers of sheet rock and build only off shop drawings specific to your project.

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Multiply Inches
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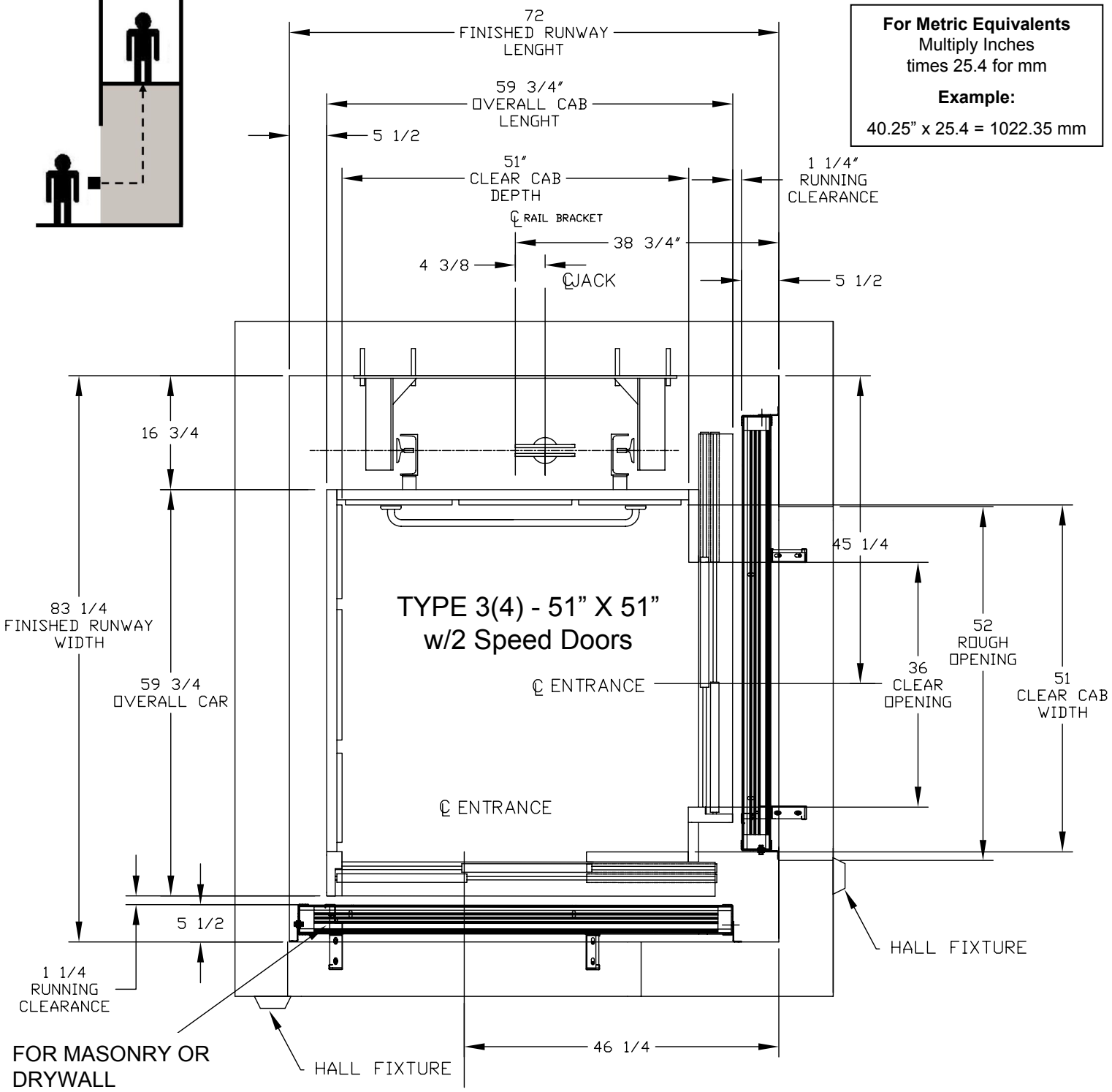
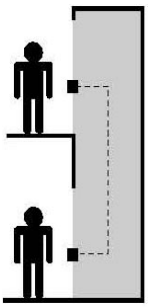


FOR MASONRY OR DRYWALL ENTRANCE DETAILS SEE DRAWINGS ON PAGES 12-15

42” X 60” TYPE 1 LEFT HAND OR RIGHT HAND W/ 2 SPEED DOORS – ENTER/EXIT SAME SIDE
NOTE: PLAN VIEW DRAWING CAN BE REVERSED FOR RIGHT HAND APPLICATIONS

Type 1

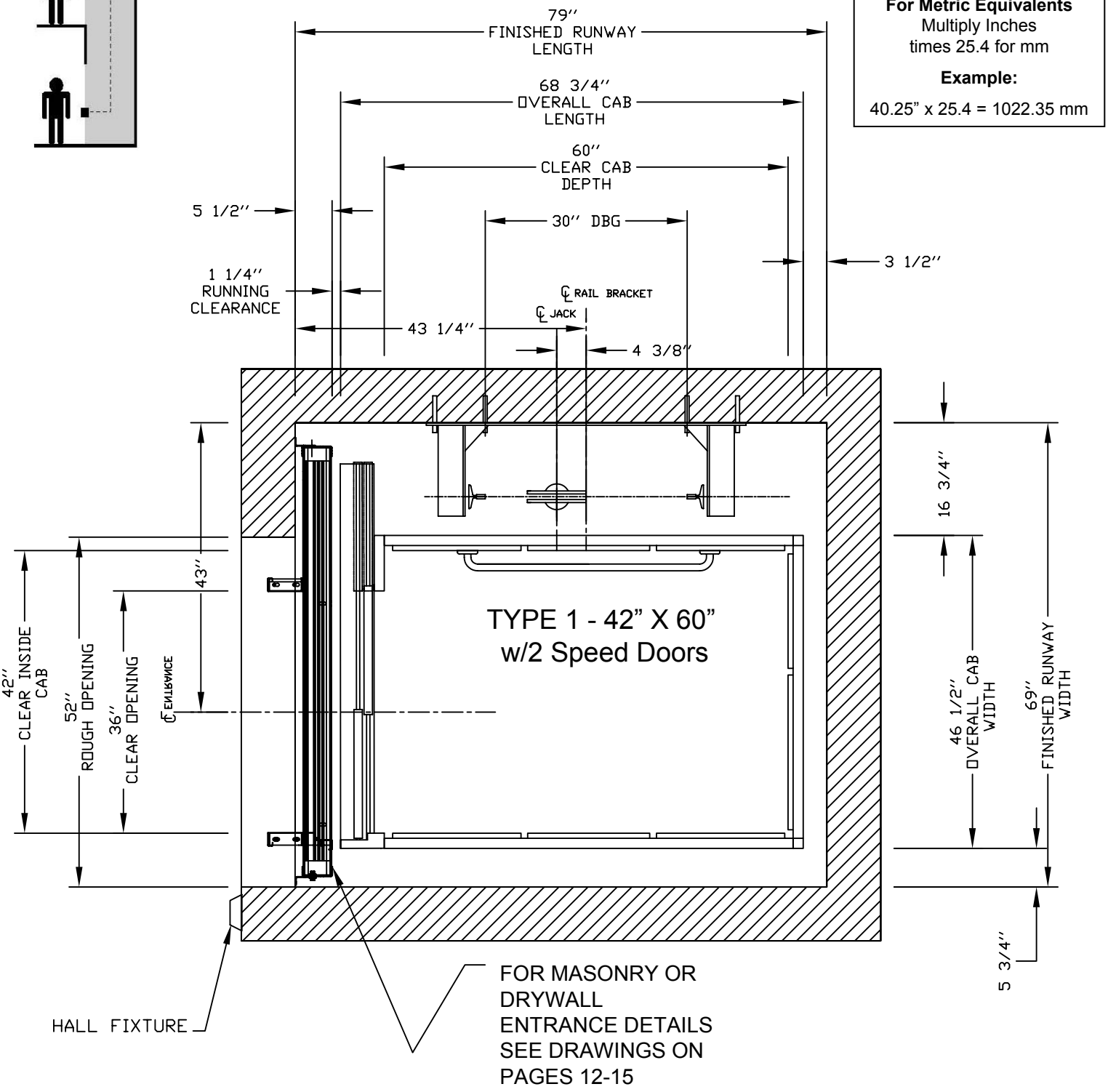


Important Note: Finished hoistway dimensions must include the drywall (where applicable). Determine the fire rating of the hoistway, the type and layers of sheet rock and build only off shop drawings specific to your project.

For Metric Equivalents
Multiply Inches
times 25.4 for mm

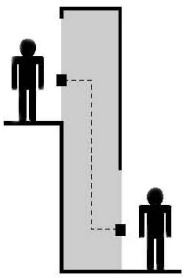
Example:

40.25” x 25.4 = 1022.35 mm



42” X 60” TYPE 2 WALK THROUGH w/ 2 SPEED DOORS – ENTER/EXIT EITHER SIDE
NOTE: PLAN VIEW DRAWING CAN BE REVERSED FOR RIGHT HAND APPLICATIONS

Type 2

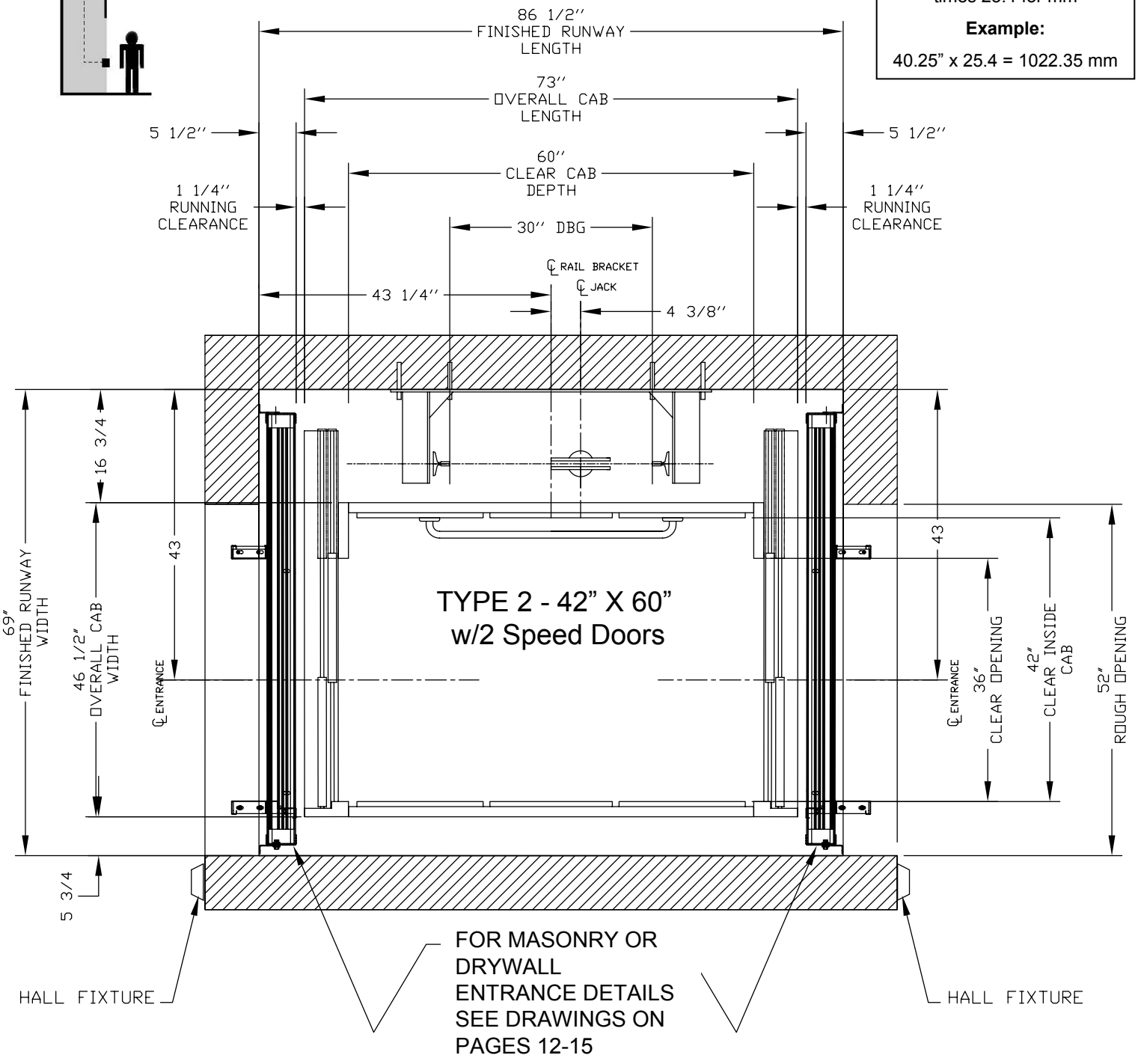


Important Note: Finished hoistway dimensions must include the drywall (where applicable). Determine the fire rating of the hoistway, the type and layers of sheet rock and build only off shop drawings specific to your project.

For Metric Equivalents
Multiply Inches
times 25.4 for mm

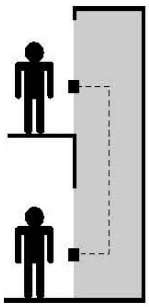
Example:

40.25” x 25.4 = 1022.35 mm



48” X 54” TYPE 1 LEFT HAND OR RIGHT HAND W/ 2 SWING DOORS – ENTER/EXIT SAME SIDE
NOTE: PLAN VIEW DRAWING CAN BE REVERSED FOR RIGHT HAND APPLICATIONS

Type 1

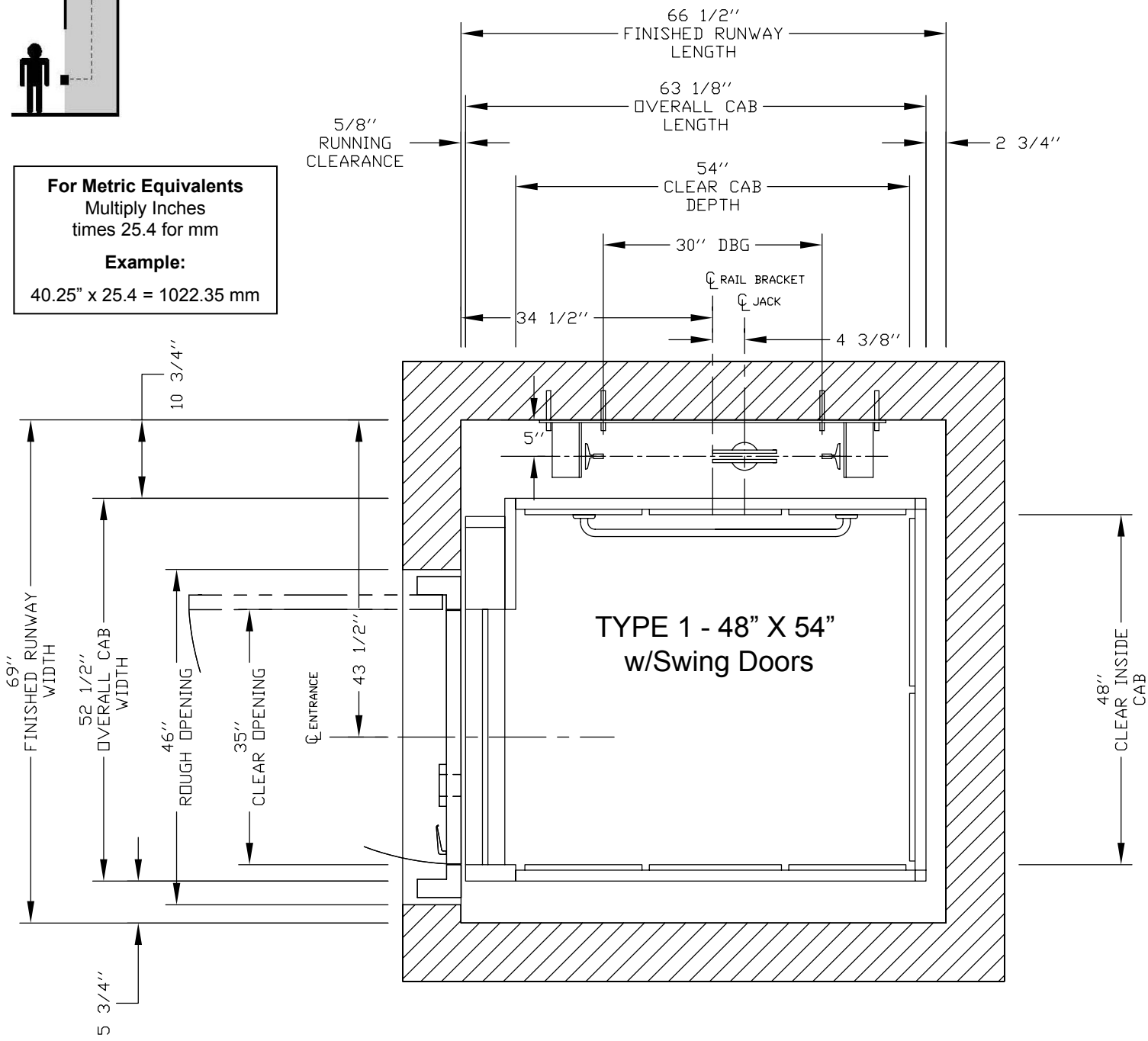


Important Note: Finished hoistway dimensions must include the drywall (where applicable). Determine the fire rating of the hoistway, the type and layers of sheet rock and build only off shop drawings specific to your project.

For Metric Equivalents
Multiply Inches
times 25.4 for mm

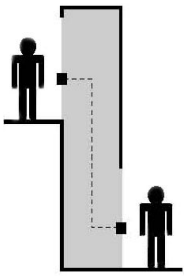
Example:

40.25” x 25.4 = 1022.35 mm



48” X 54” TYPE 2 WALK THROUGH w/ 2 SWING DOORS – ENTER/EXIT EITHER SIDE
NOTE: PLAN VIEW DRAWING CAN BE REVERSED FOR RIGHT HAND APPLICATIONS

Type 2

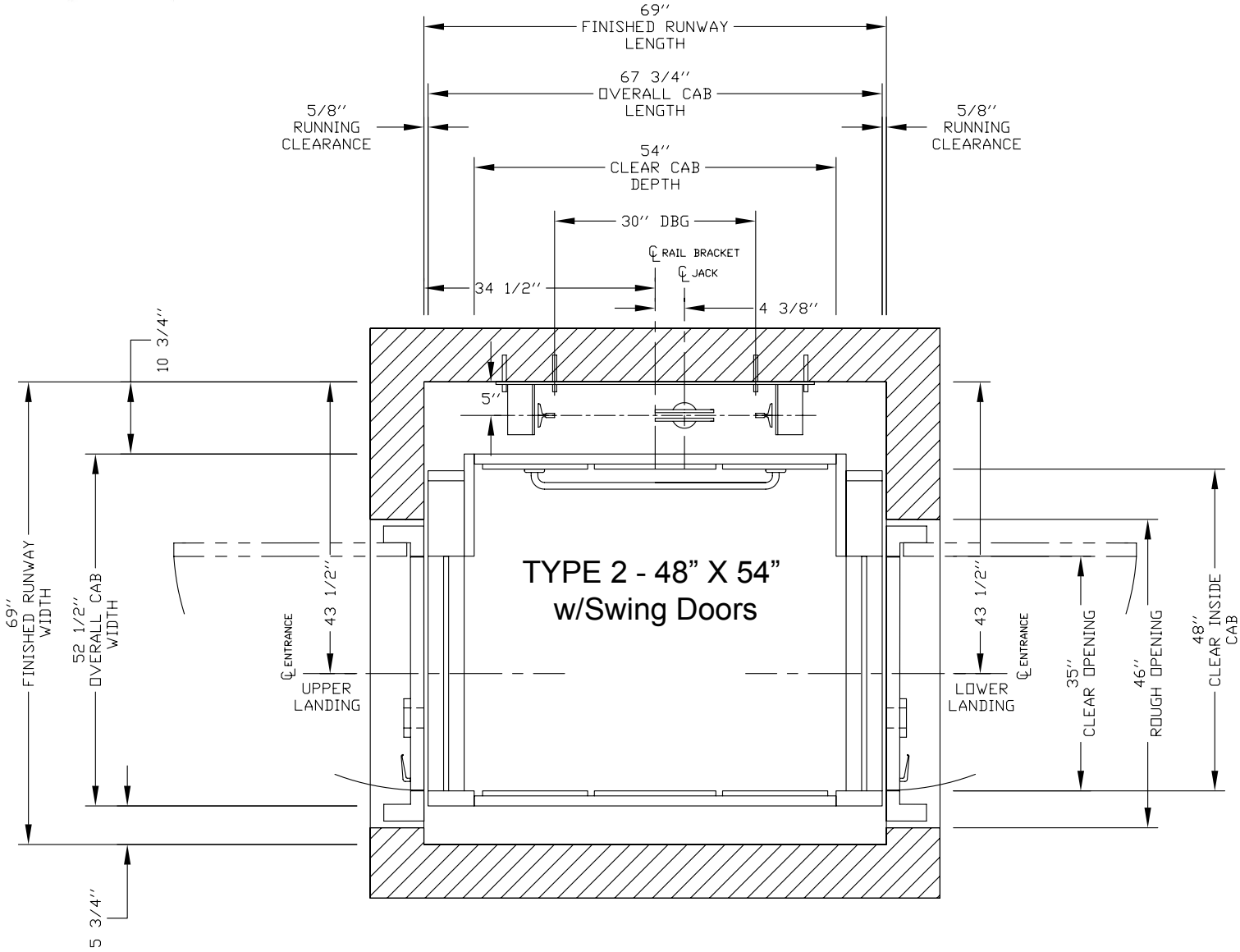


Important Note: Finished hoistway dimensions must include the drywall (where applicable). Determine the fire rating of the hoistway, the type and layers of sheet rock and build only off shop drawings specific to your project.

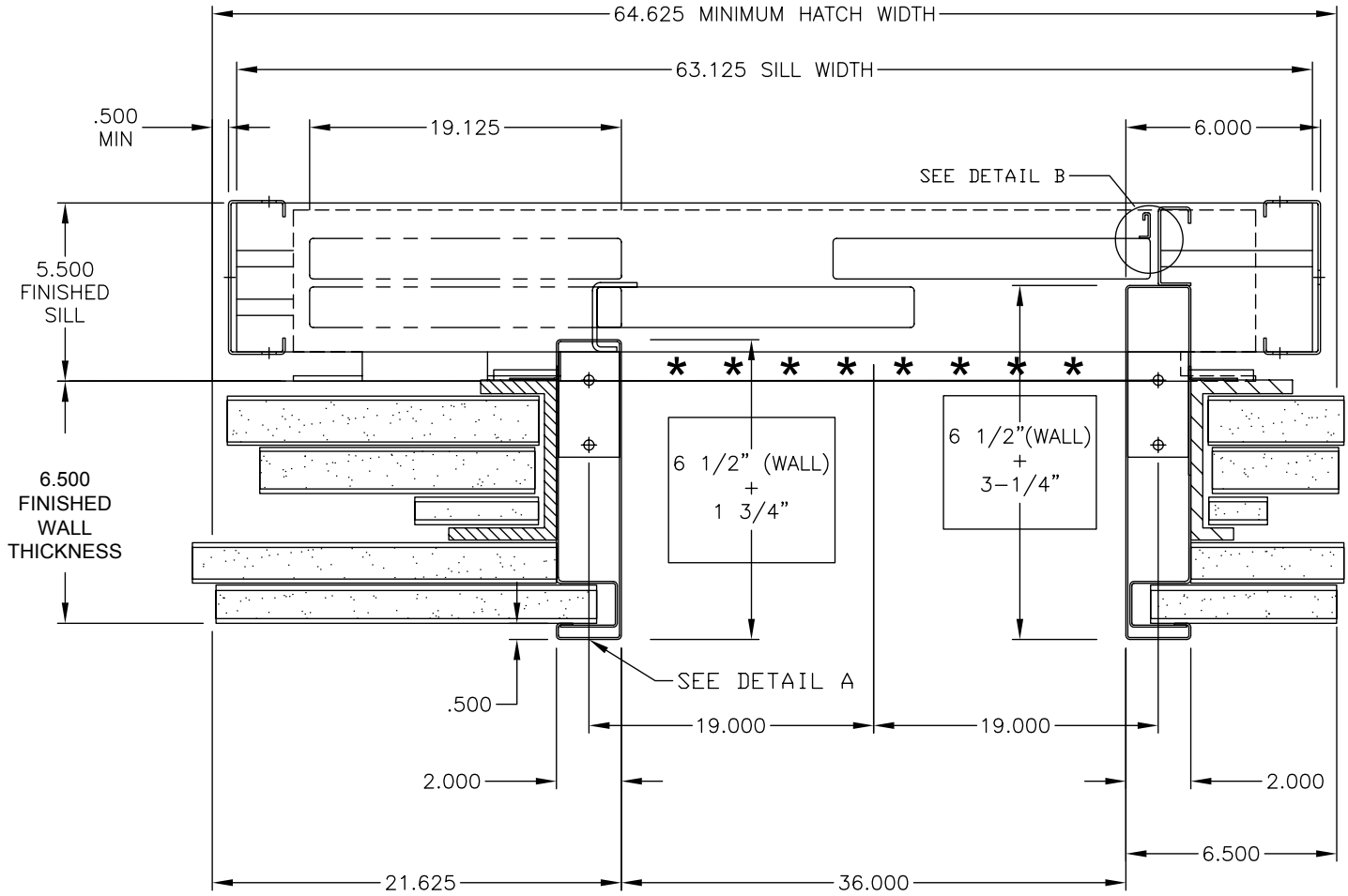
For Metric Equivalents
Multiply Inches
times 25.4 for mm

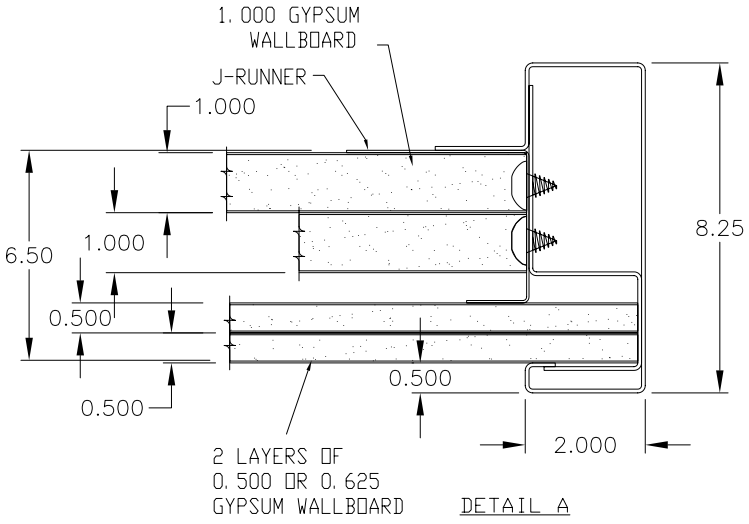
Example:

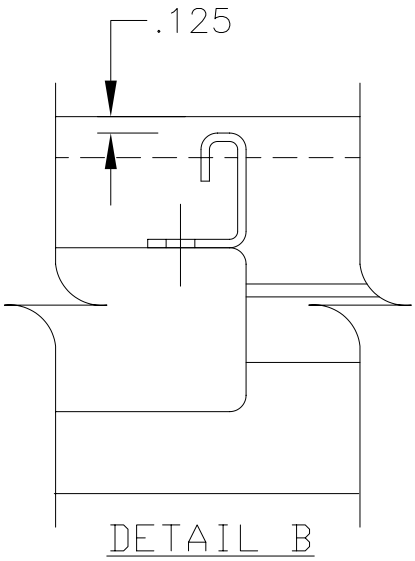
40.25” x 25.4 = 1022.35 mm



ENTRANCE MOUNTING DETAILS FOR 2 SPEED DOORS WITH DRYWALL







CONTRACTOR PLEASE NOTE:

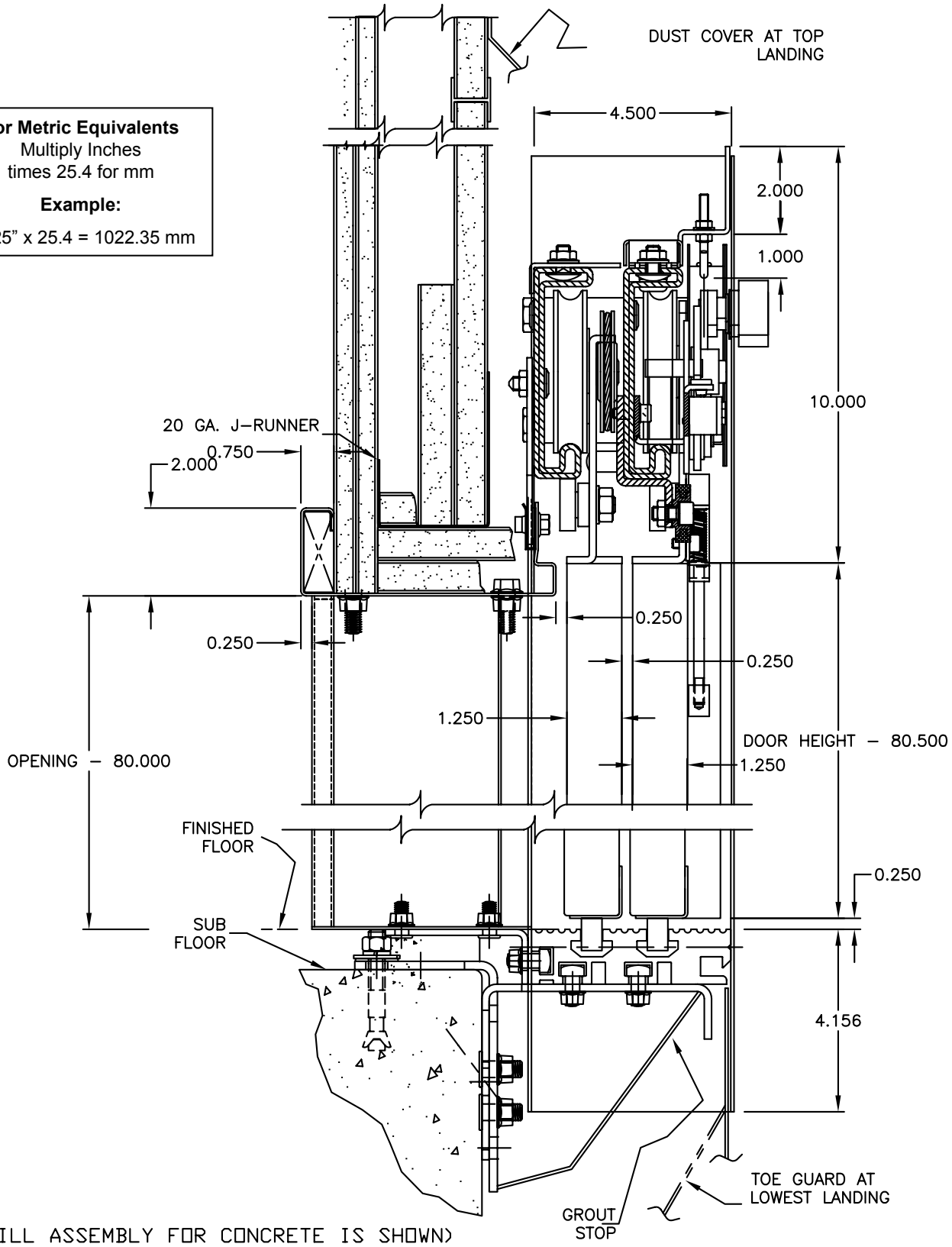
* GROUTING AT THE SILL MAY BE REQUIRED AFTER THE DOOR FRAMES ARE SET

ENTRANCE MOUNTING DETAILS FOR 2 SPEED DOORS WITH DRYWALL

For Metric Equivalents
Multiply Inches
times 25.4 for mm

Example:

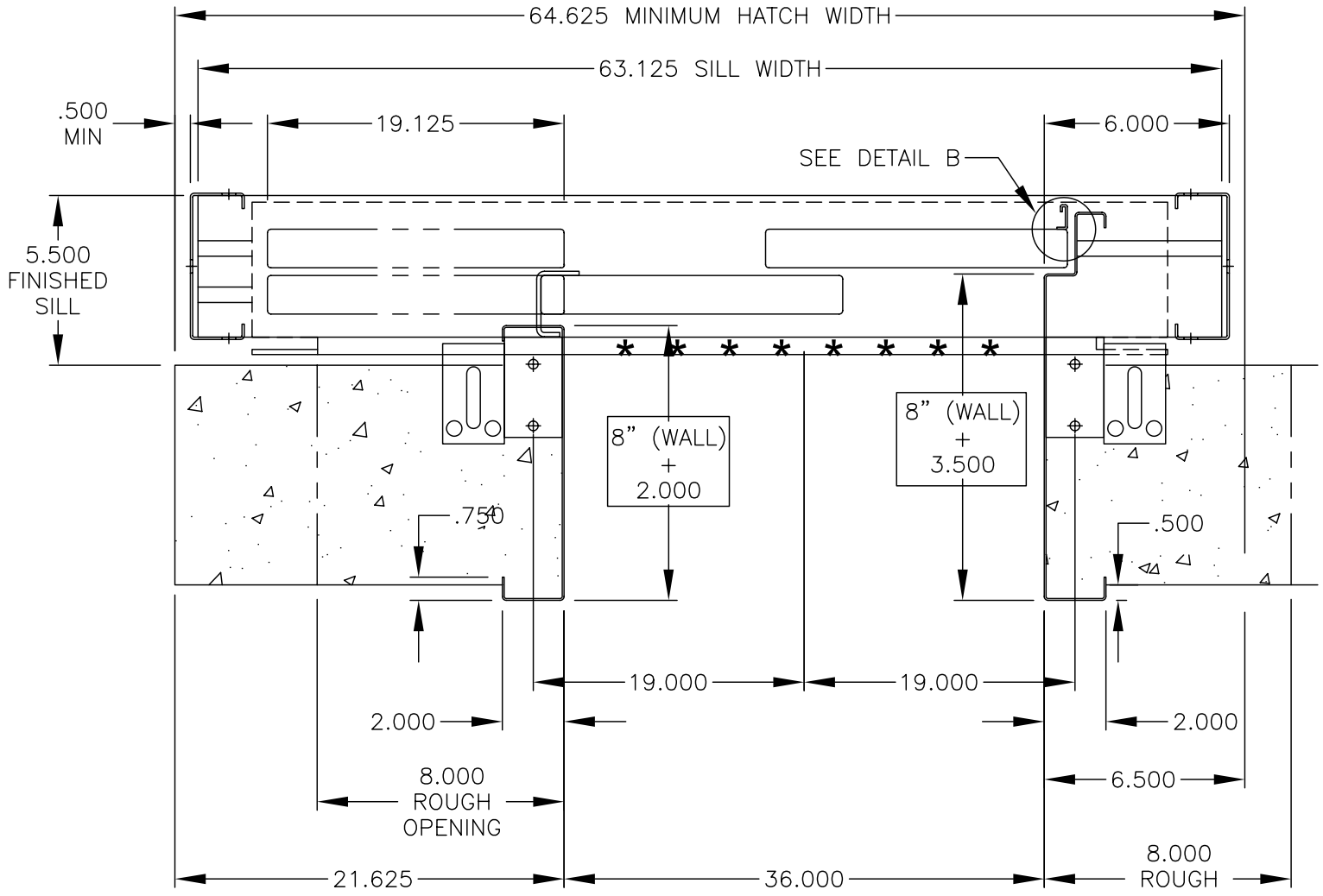
40.25" x 25.4 = 1022.35 mm

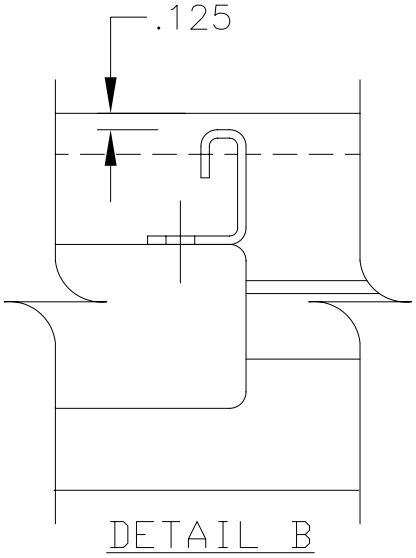


(SILL ASSEMBLY FOR CONCRETE IS SHOWN)

TYPICAL SECTION

ENTRANCE MOUNTING DETAILS FOR 2 SPEED DOORS WITH MASONRY CONSTRUCTION





For Metric Equivalents
Multiply Inches
times 25.4 for mm

Example:

40.25” x 25.4 = 1022.35 mm

CONTRACTOR PLEASE NOTE:

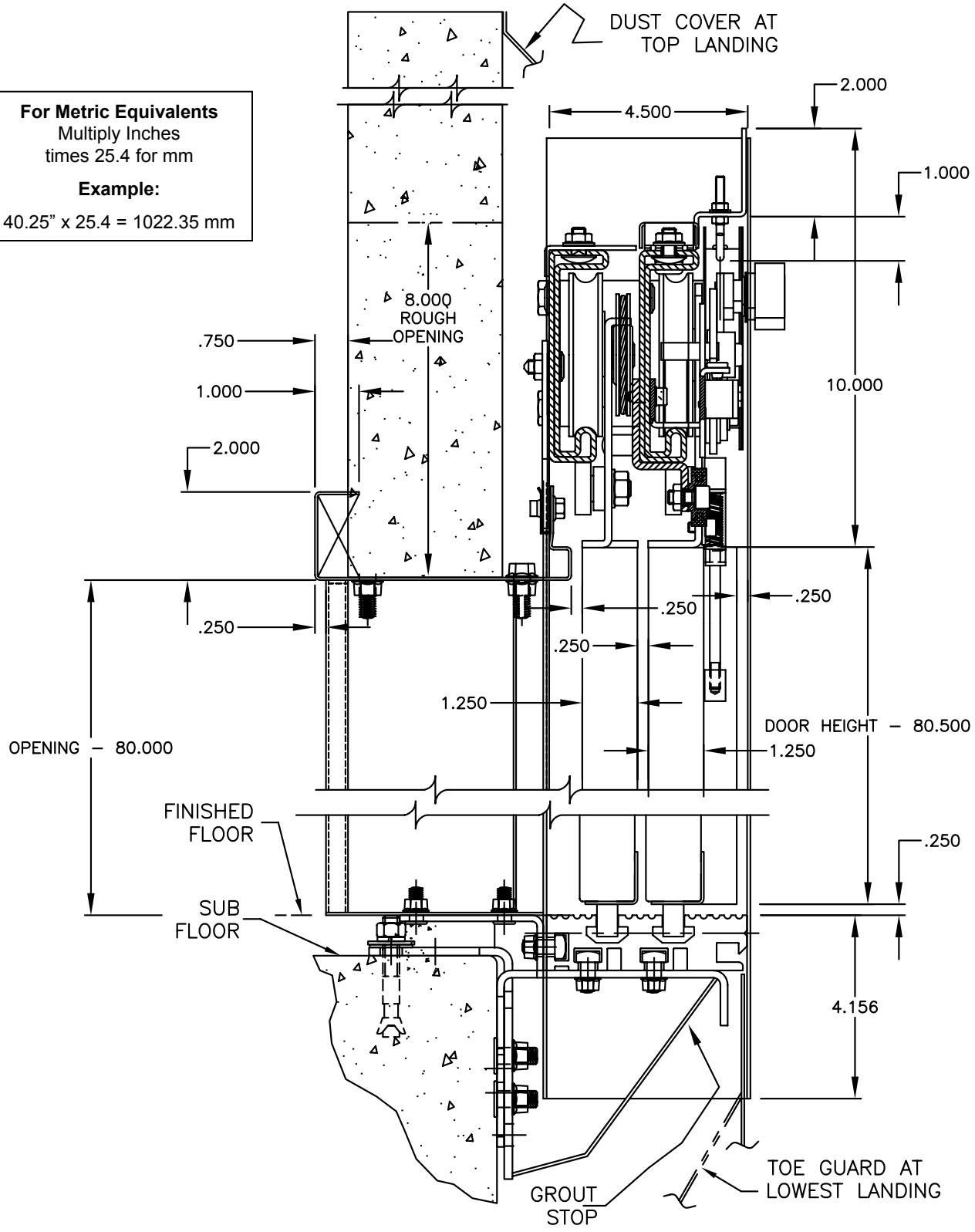
* GROUTING AT THE SILL MAY BE REQUIRED AFTER THE DOOR FRAMES ARE SET

ENTRANCE MOUNTING DETAILS FOR 2 SPEED DOORS WITH MASONRY CONSTRUCTION

For Metric Equivalents
Multiply Inches
times 25.4 for mm

Example:

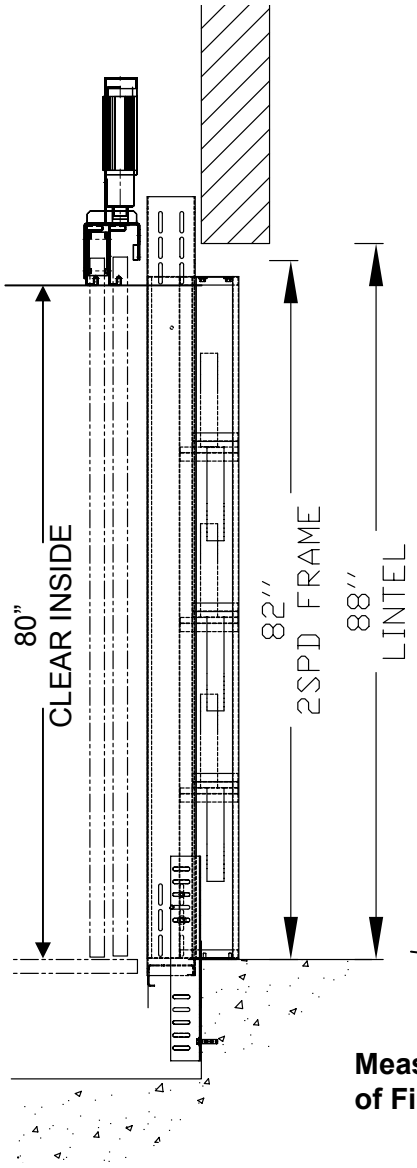
40.25” x 25.4 = 1022.35 mm



TYPICAL SECTION

(SILL ASSEMBLY FOR CONCRETE IS SHOWN)

2 SPEED AUTOMATIC DOOR AND GUIDE RAIL INFORMATION



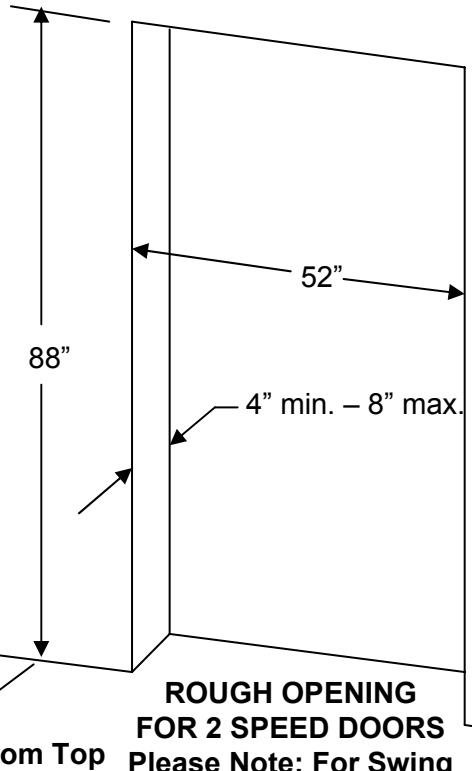
Notes:

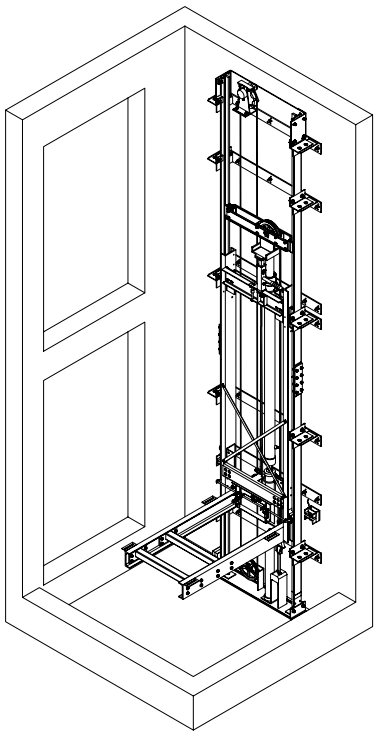
1. See hoistway requirements for the location of the door centerline.
2. Door panels and frame are primed for painting.

For Metric Equivalents
Multiply Inches
times 25.4 for mm

Example:

40.25" x 25.4 = 1022.35 mm



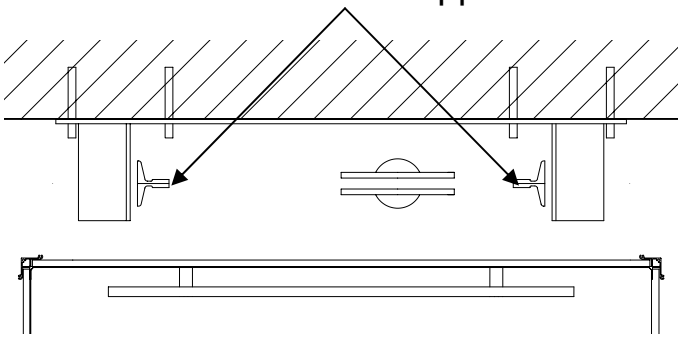


Measured from Top of Finished Floor

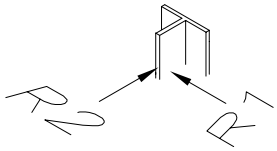
ROUGH OPENING FOR 2 SPEED DOORS Please Note: For Swing Doors - Rough Opening is only 46" Wide

LOADS ON THE BUILDING (RAIL REACTIONS)

Rail Orientation to Support Wall



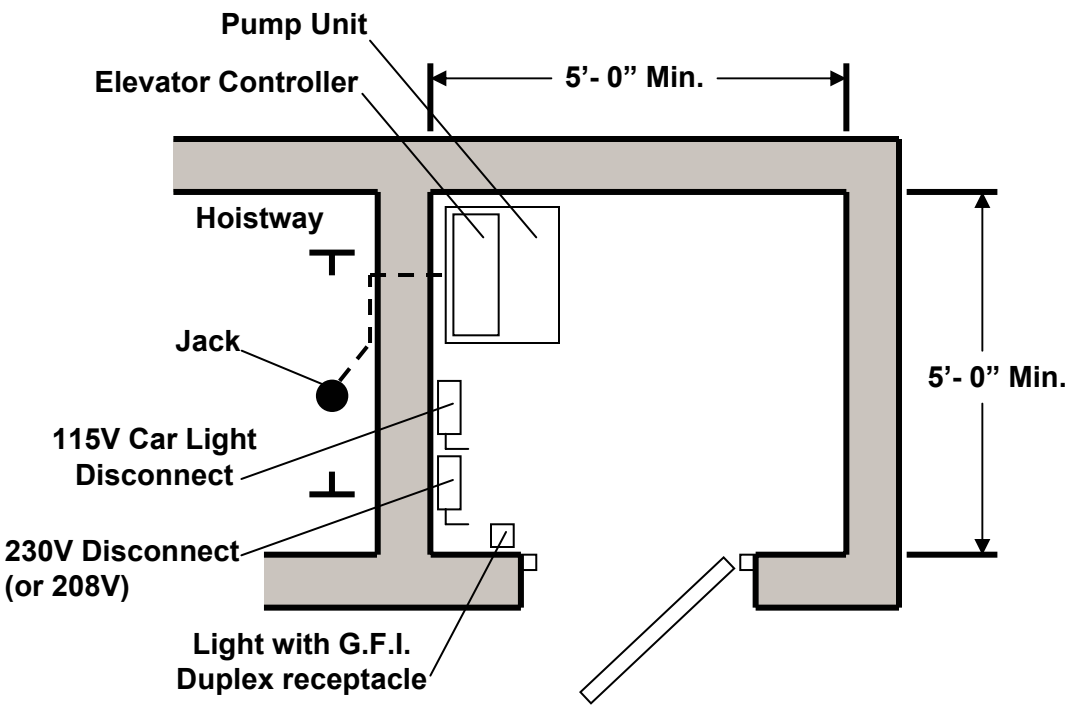
RAIL FORCES



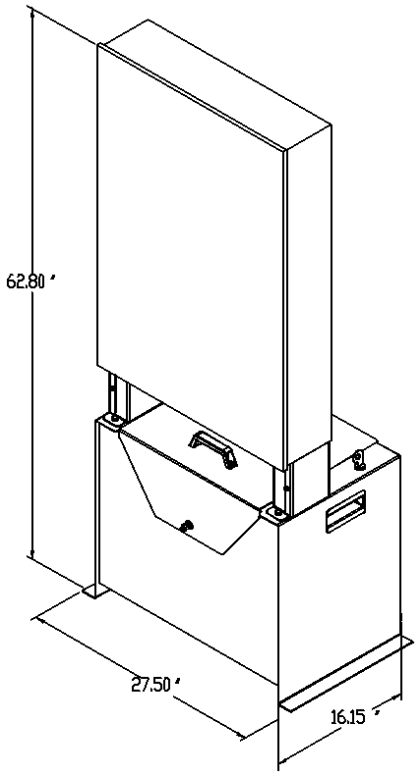
✳R1	✳R2
720 lbf/3.2KN	260 lbf/1.16KN
RAIL WEIGHT : 8.0 lbs / ft	

Rail reactions do not include building safety factors. Applicable safety factors must be considered in hoistway design.

Machine Room Requirements



Controller/Pump Unit

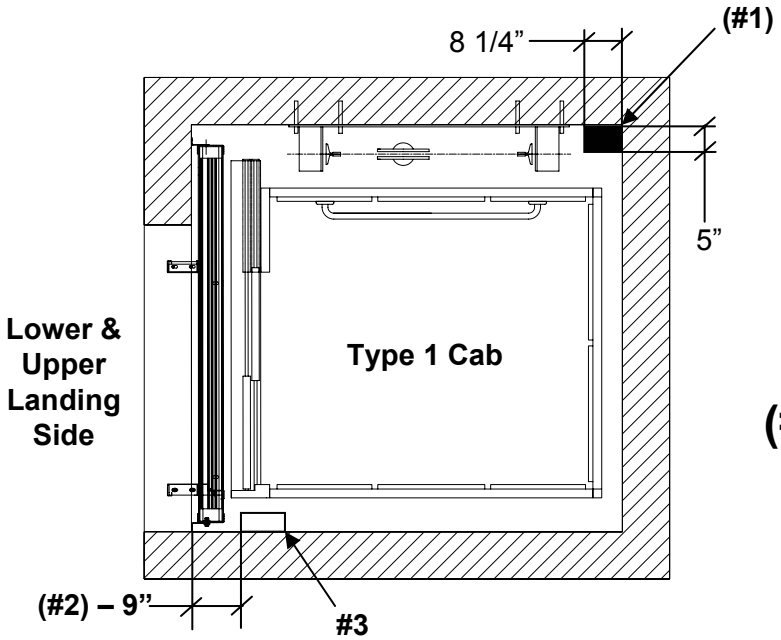


- **Notes:**
- Machine room must be built in accordance with elevator manufacturer and applicable building codes and regulations. Adequate ventilation is required to maintain a temperature of 50° to 100°F for output of 3600 BTU per hour.
- A convenience outlet, 115 VAC 15 AMP single phase with G.F.I. shall be located next to the light switch in the machine room. Provided and installed by others.
- Provide lockable, in open position, fused disconnect switches located adjacent to the elevator controller. Fusing must be selectively coordinated. Fuse either 208V Three Phase w/30 AMP or 230V Single Phase w/50 AMP service, fuse 115V for 15 AMP service for car light. (Must comply with applicable codes.) The electrical circuit provided shall be either 30 AMP, 208V three phase or 50 AMP 230V single phase, dedicated circuit with equipment ground. The circuit shall terminate on the line side terminal lugs of the disconnect. The electrical circuit is provided and installed by others. Disconnect switch to have Auxiliary normally open interlock switch. Interlock equal to Square D EK-300-Z.
- 30" wide x 36" deep work space required in front of the Disconnects and the Elevator Controller.
- Machine room lighting shall be a minimum of 19 foot candles at working surfaces. The switch for the light must be within 18" of the strike side of the machine room door. The light must be guarded to prevent accidental breakage or contact with the hot bulb. The switch, light, wiring, and guard are provided and installed by others.
- A telephone line circuit is to be provided and installed by others. This circuit shall be brought to the machine room controller in conduit. This circuit must be connected to a dedicated outside line or a 24 hour central exchange.
- The elevator controller/pump unit dimensions - 27.5" wide x 62.8" high x 16.15" deep w/39" clear space in front
- Machine room access door must be self closing, self locking, key locked and have a spring return latch. Consult local building codes for door construction. The door and hardware are both provided and installed by others.
- Machine room is required to be free of all pipes, wiring and obstructions not related to the operation of the elevator.

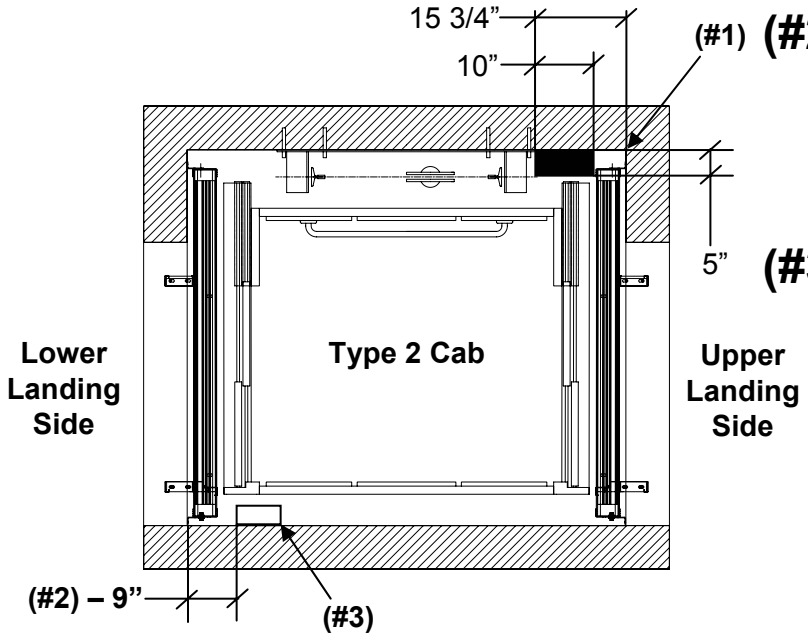
Hoistway Notes:

- A load bearing wall is required to sustain rail reactions. See page 16 for rail reactions.
- Suggested hoistway pit floor construction consists of an 8“ (203 mm) concrete slab poured on a natural or compacted soil with a minimum allowable bearing pressure of 1.0 KSF. The minimum compressive strength of the concrete at 28 days must be no less than 3000 PSI. #5 reinforcing steel (grade 60) must be placed at the bottom of the slab in 2 traverse directions and at a spacing of 12“ (305 mm).
- Hoistway pit floor to support a load of 10 kips (10,000 lbs)/44.48KN (includes impact)
- 120“(3048 mm) overhead clearance required above the top landing floor w/top prop (existing construction)
- 131” (3327 mm) overhead clearance required above the top landing floor w/o top prop (new construction)
- 14" (356 mm) minimum pit. (A Clearance Device is provided to attain required 36“ (914 mm) refuge space).
- Hoistway sizes reflect running and access clearances only. Consult your local AHJ to assure compliance with local codes.
- Hoistway is required to be free of all pipes, wiring and obstructions not related to the operation of the elevator.

Hoistway Pit & Electrical Notes: If a Dedicated Pit Light is required by your local AHJ, please follow the guidelines below for accommodating this in your hoistway



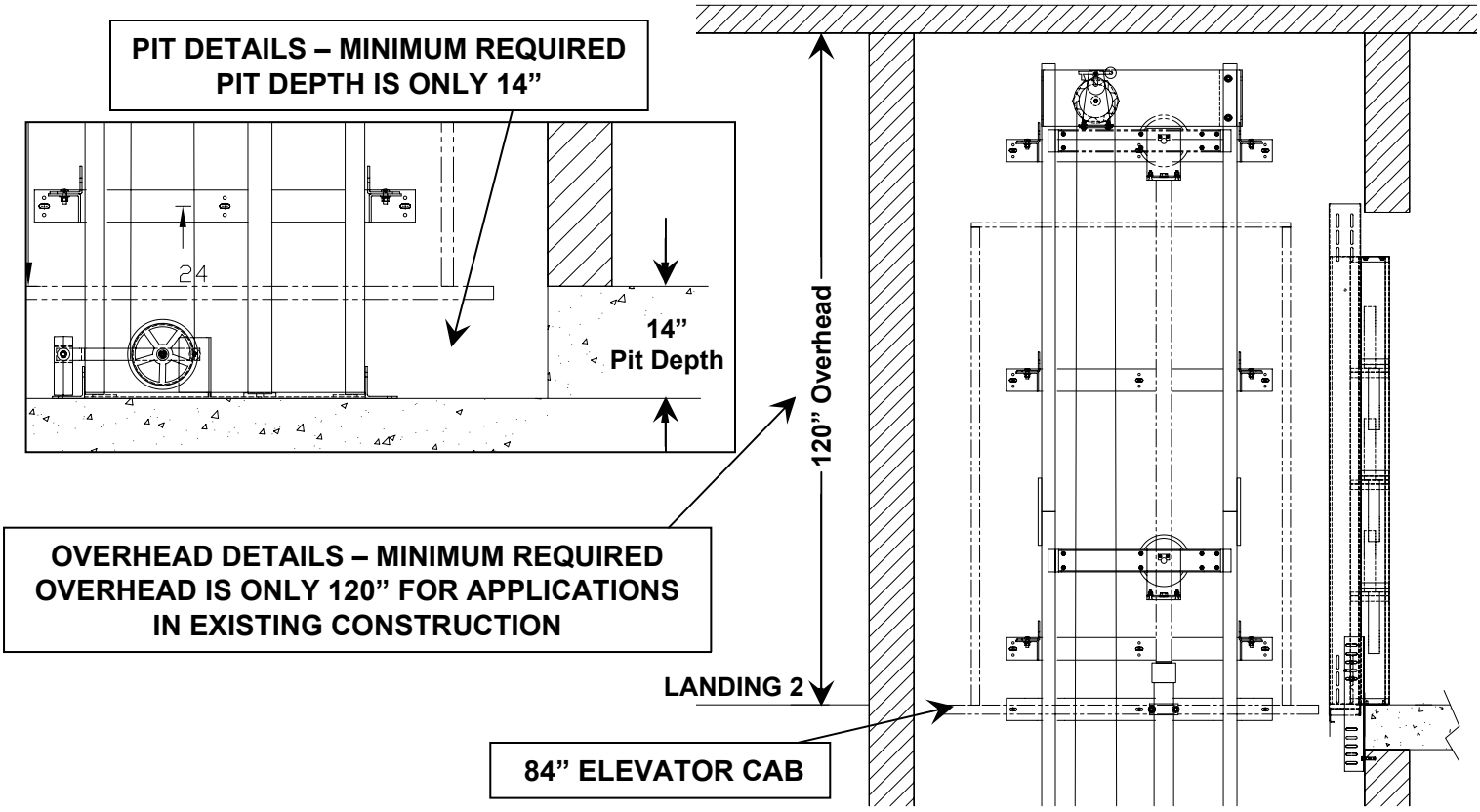
(#1) Approximate Space Available For Dedicated Light w/Guard. We recommend surface mounting the light after the elevator doors have been installed to ensure adequate clearance.



(#2) 9” Clear Distance (From Inside Finished Surface of Hoistway to Edge of Electrical Box)

(#3) For the Dedicated GFI Outlet: Height of Outlet is Approximately 24” up from the lower landing finished floor with the light switch mounted directly above.

PIT DEPTH & OVERHEAD DETAILS SPECIFICATIONS



ELEVATOR SPECIFICATIONS FOR A17.1/B44 COMPLIANCE

Part 1 GENERAL

1.01 SUMMARY

A. The product described herein,
is an elevator designed and dimensioned to provide Limited Use/Limited Application (LULA) elevator to suit individual building requirements for use by persons with disabilities.

1.02 REFERENCES

A. Elevator shall be designed, manufactured and installed in accordance with the following standards:

1. American National Standards Institute (ANSI).
2. American Society of Mechanical Engineers (ASME).
3. National Electrical Code (NEC) Canadian Electrical Code (CEC)
4. American Society for Testing Materials (ASTM).
5. American Welding Society (AWS). Canadian Welding Bureau (CWB)

1.03 SYSTEM DESCRIPTION

A. 5 hp submersed motor and pump with electronic proportional valve assembly; Programmable logic controller with collective operation; 1:2 roped hydraulic single stage cylinder with line rupture valve.
B. Number of Stops: (specify:) Two to Four.
C. Car Configuration: (specify:) straight-thru, 90° side exit or enter/exit same side.
D. Maximum Travel: (specify:) Up to 25’ (7.62 m)
E. Rated Load: (specify:) 1400 lbs. (635 kg)
F. Rated Speed: 30 fpm (.15m/s)
G. Car Size:
    1. 48” x 54” (1219 mm x 1372 mm) platform (standard)
    2. 84” (2134 mm) high ceiling

H. Car Walls: (specify:) Steel panels (black or architectural white)
with (optional) raised laminate panels (white oxide, stone graphix,
desert erosion, natural oak, white, contract mahogany or fog plastic laminate panels.

I. Car Ceiling: White panel.
J. Car Lighting: Four recessed lights.
K. Operating Features:
    1. Car Operating Panel: (specify:) Brushed stainless steel or brushed brass panel with illuminated automatic controls, keyed light switch, emergency stop switch and alarm button.
    2. Hall Stations: (specify:) Brushed stainless steel or brushed brass panel with illuminated button and (specify option:) key lock provided at each landing.
    3. Car Door(s): Fully automatic, side opening, sliding car door with electromechanical interlocks, obstruction sensor, and automatic re-open system.
    4. Hoistway Doors: 1-1/2 hour fire rated fully automatic side opening, sliding hoistway doors with two side opening panels in steel frame with electromechanical interlocks.
    5. Handrail: (specify:) Stainless steel or brass.
    6. Pit Switch
    7. Car top inspection station with UP and DOWN test switches, emergency stop, light outlet
    8. Automatic homing to the lowest floor (optional)
    9. Slack rope safety.
    10. Anti-creep device.
    11. Overspeed governor (may not be required) – consult AHJ
    12. Dual direction leveling.

CONTINUED…

PART 1 GENERAL (CONTINUED)

13. Upper and lower terminal limit.
14. Pump run timer.
15. Pit clearance device (where required)
16. Automatic battery powered and manual emergency lowering control devices.
17. Minimum pressure switch.
18. Maintenance stop blocks.
19. (specify option:) Fire Fighters Service (available).
20. (specify option:) Hall lanterns with chime.
21. (specify option:) Recessed telephone cabinet (brushed stainless steel or brushed brass).
22. (specify option:) Buffer springs (requires 24" pit).

1.04 QUALITY ASSURANCE

A. Manufacturer: Provide elevator manufactured by a firm with a minimum of 10 years experience in fabrication of elevators equivalent to those specified.
B. All designs, clearances, workmanship and material, unless specifically accepted, shall be in accordance with all codes having legal jurisdiction.
C. All load ratings and safety factors shall meet or exceed those specified by all governing agencies with jurisdiction and shall be certified by a professional engineer.
D. Elevator shall be subject to applicable state, local and city approval prior to installation and subject to inspection after installation. Determination of and adherence to these regulations is the responsibility of the elevator contractor.
E. Welders certified in accordance with requirements of AWS D1.1 or CWB shall perform all welding of all parts.
F. Substitutions: No substitutions permitted.

1.05 WARRANTY

A. Warranty: Manufacturer shall warrant component parts of the elevator for a period of 26 months from shipping date.
This warranty only applies to products installed and maintained by a Qualified Technician in conformance with all applicable local and national codes. The warranty is void if regular inspection and maintenance of product is not being carried out by a Qualified Technician in accordance with the recommendations contained in the Owner's Manual. It is the Owner's responsibility to keep records of all such service.

PART 2 PRODUCT

2.01 MANUFACTURER

A. Savaria Concord Lifts Inc.
Toll Free Number (888) 323- 8755
Email: info@nwlifts.com
Web site: http://www.nwlifts.com

2.02 MATERIAL

A. Guide Rail: Dual 8 lbs./ft. machined steel T-rail system.
B. Wire Rope: Two 3/8" diameter 7 x 19 ga. IWRC aircraft cables with rope wedge sockets.
C. Sling: Structural and formed steel plates with guide shoes.
D. Platform Floor: Unfinished plywood flooring.

2.03 FINISHES

A. Components shall be prepared with 1) pre-treatment, 2) alkaline detergent wash, 3) clear water rinse, 4) iron phosphate coating, 5) clear water rinse and finished with electrostatically applied and baked thermostatic powder coat finish. Standard color is architectural white.

2.04 ELECTRICAL SYSTEMS

A. The electrical contractors shall provide:
1. 208V three phase 30 AMP 60 Hz or 230 V single phase 50 AMP 60 Hz source in the machine area with manually operated fused line disconnect.
2. 15 VAC, single phase, 15 amp, 60 Hz, single phase power source
with manually operated fused line disconnect for car lighting and a light outlet inside the hoistway.
3. Telephone circuit in the machine area.

PART 3 EXECUTION

3.01 ACCEPTABLE INSTALLERS

A. Installers shall be experienced in performing work of this section who have specialized in work comparable to that required for this project.
B. Installers shall be certified and trained by the manufacturer.

3.02 EXAMINATION

A. Use field dimensions and approved manufacturer's shop drawings to examine substrates, supports and other conditions under which this work is to be performed. Do not proceed with work until unsatisfactory conditions are corrected.

3.03 INSTALLATION

A. The elevator shall be installed in accordance with manufacturer's instructions and as specified and approved by architect.

3.04 DEMONSTRATION

A. The elevator contractor shall make a final check of the elevator's operation with the Owner or Owner's representative present prior to turning the elevator over for use. The elevator contractor shall determine that operating and safety devices are functioning properly. **END OF SECTION**

Notes: Intent of specification is to broadly outline equipment required but does not cover details of design and construction. Dimensions and specifications are subject to constant change and continually evolving codes and product applications. For additional technical information, contact Nationwide Lifts, Inc. at (888) 323-8755 or www.nwlifts.com.

Part 1- General

1.1 SCOPE

To furnish all labor, materials and equipment necessary or required to fully complete the installation of the elevator as shown on the drawings and specifications. This suggested specification is intended to cover the complete installation of the FREEDOM COMMERCIAL LU/LA Elevator design.

1.2 SYSTEM DESCRIPTION

The elevator assembly shall consist of a power unit, car, rail guide system, 1:2 cable hydraulic lifting device, hoistway doors, car doors, control system, signals and alarms, electrical wiring, and parts and accessories necessary to provide required performance, operation, code and safety requirements.

1.3 QUALITY ASSURANCE

1.3.1

The elevator shall meet or exceed the applicable regulations of all governing agencies and be in compliance with the applicable sections of the most current edition of the following codes and standards:

a) ASME A17.1 “Safety Code for Elevators and Escalators, Section 5.2 Limited Use/Limited Application Elevators”.
b) CSA B44-00 "Safety Code for Elevators, Section 5.2 Limited Use/Limited Application Elevators"
c) ICC/ANSI A117.1-1998 “Accessible and Usable Buildings and Facilities”.
d) ANSI/INFPA 70-1999 “The National Electric Code” (NEC).
e) ADAAG “Americans With Disabilities Act Accessibility Guidelines” (where applicable).
f) CSA B44.1/ASME A17.5 “Elevator and Escalator Electrical Equipment“.
g) Local codes and regulations, as applicable.

1.3.2 Requirements of the Regulatory Agencies

a) Fabricate and install Work in compliance with all applicable jurisdictional authorities.
b) File shop drawings and submissions to local authorities as the information is made available. Company pre-inspection and jurisdictional authority inspections and permits are to be made on a timely basis as required. Work will include all inspections and re-inspections that are required to ensure licenses are issued.

1.3.3 Subcontractor Qualifications

a) Execute work of this specification only by a contractor/company who has adequate product and public liability insurance in excess of one million dollars.
b) Skilled tradesmen must be employees of the contractor to perform the work on a timely basis. Employees must be trained by the manufacturer and be supervised by the elevator contractor.

1.3.4 Substitutions

No substitutions will be considered unless written request for approval has been submitted by the bidder and received by the architect at least 10 days before the date of receipt of bids. Each such request shall include a complete description of the proposed substitute including drawings, test data, photographs, and any other information needed for consideration.

Part 2- Preparatory Work by Other

2.1

The following preparatory work to accommodate/receive the elevator is to be done by others:

2.1.1

Power unit machine room to meet applicable codes and standards.

2.1.2

Permanent power to operate the elevator to be provided to a lockable fused/cartridge type disconnect switch with auxiliary contact/switch for emergency battery lowering. Provide 110-volt lighting supply and disconnect. Refer to architectural drawings for permanent power specifications and location of the disconnects.

2.1.3

Provide appropriate sleeves for both the electrical conduit and hydraulic line from the power unit enclosure to the hoistway (as shown on drawings). Trenching may be required if the machine room is not adjacent to hoistway.

2.1.4

Provide machine room light and light switch, located to comply with applicable codes and standards.

2.1.5

Provide an enclosed, plumb and square hoistway with smooth interior surfaces. Include for fascias or furring of hoistway interior where applicable.

2.1.6

Suitable lintels over landing entrances are to be provided and provide rough openings as per elevator contractors' shop drawings.

2.1.7

Provide substantially level pit floor slab to support loads indicated on the elevator contractors' shop drawings.

2.1.8
Provide adequate support for guide rail fastenings.

2.1.9
Provide light, receptacle and switch in the pit, located to comply with applicable code.

2.1.10
Provide pit water proofing or sump pump, if required, as allowed by code.

2.1.11
Provide pit ladder for pits 3’-0” (914 mm) or more in depth.

2.1.12
Provide finish grouting and masonry around doorframes.

2.1.13
Provide finish painting of landing entrances.

Part 3- Submittals

3.1 SHOP DRAWINGS

The shop drawings shall show a complete layout of the elevator equipment detailing dimensions, clearances and location of machinery. Including, but not limited to, the following:

3.1.1
Drawings showing the dimensions including plans, elevations, and sections to show equipment locations.

3.1.2

Load and reaction drawings shall be provided by the elevator manufacturer and detailed on drawings.

3.2 Samples

Part 4- Product Data

4.1 MANUFACTURER/PRODUCT

Elevator shall be the Nationwide Lifts FREEDOM COMMERCIAL LU/LA Elevator manufactured by Savaria Concord Lifts Inc. Toll Free Number (888) 323-8755

Dealer:	Name: _____ Number: _____
Rated Load:	1,400 lbs. (635 kg.)
Rated Speed:	30 fpm (0.15 m/s)
Car Dimensions:	48” W x 54” L Depth (1220 mm x 1372 mm)
Operation:	Single Automatic Push Button
Power Supply:	220-Volt, Single Phase, 30 Amp or 208-Volt, 3 Phase, 60Amp.
Travel Distance:	25 feet (7.6 m) maximum as per ASME A17.1 Part 25
NOTE:	Elevator can travel up to 30 feet (9.1 m)
Levels Served:	Maximum 4
Number of Openings:	Maximum 2
Lighting Supply:	110-Volt, Single Phase, 60 cycle, 15 amps
Door Opening:	36” x 6’ 8” (890 x 2030 mm) Nominal
Jack Type:	1:2 cable hydraulic
Pump Type:	Submersible with Variable Speed Valve
Hoistway Door/Cab Door:	2-Speed Horizontal Sliding Hoistway Door with 2-Speed Horizontal Sliding Cab Door
Car Controller Type:	Magnetic Sensor
Leveling Device Type:	Magnetic Sensor

4.2 SIGNAGE

4.2.1

The lift shall have all necessary signs, capacity plates, and data signs as per the Local and national Codes and Standards.

4.2.2

A capacity plate indicating the rated load in pounds and kilograms and operating instructions shall be furnished by the manufacturer and fastened in a prominent place at each landing and in the cab. The capacity plate and operating instructions will be engraved on non-glare, micro-surface, white letters on a blue background, self-adhesive, flexible plastic material. The letters and figures stating the capacity shall not be less than 1/4” in height.

4.3 FULLY AUTOMATIC OPERATION

The operation shall be single automatic push button. Each landing shall be equipped with a single light up button/digital floor indicator and audible arrival chime. Upon momentary pressure of the landing or car button, the call shall register in the control system and remain in memory until answered.

4.4 CAR ENCLOSURE

4.4.1 Walls

Steel cab with 3/4" (19 mm) clip-on fire rated laminated panels. Painted cab frame reveal to be standard black or architectural white. Clip-on Panel selected from Standard plastic laminate selection.

4.4.2 Ceilings

Non-removable Hi Gloss Architectural white painted baked enamel steel ceiling with 4 incandescent down lights.

4.4.3 Floor

Steel frame and flooring with plywood sheeting.

4.4.4 Handrail

One (1) stainless steel handrail shall be located on control wall of the cab.

4.4.5 Emergency Operation

The car will be equipped with a battery powered emergency lowering and door opening device and alarm which is automatically actuated in the event of failure of the normal building power supply. Battery will be rechargeable with an automatic recharging system.

4.4.6 Emergency Lighting

In the event of a main power supply failure, an integral, battery powered emergency light will provide cab lighting.

4.4.7 Tactile Plates

Provide metal tactile plates 1 1/4" X 1 1/4" on the cab control panel beside the appropriate button indicating the floor number and/or function. Also provide metal tactile plates 3" X 4" at each floor located on the doorjamb indicating the appropriate floor number.

4.4.8 Car Operating Panel

Car operating panel shall be hinged and shall consist of metal push button with halo lighting for each landing, emergency alarm, keyed stop switch, door open and close buttons all mounted on (#4 finished). Stainless steel panel. The car-operating panel will be engraved with Fireman Service instructions.

4.4.9 Car Travel Lanterns

Provide a visual indicator to indicate the direction of travel of the car and audio signal upon floor arrival.

4.4.10 Digital Floor Indicator

A digital floor indicator located in the control panel will display the location (floor number) of the elevator in the shaft as well as the direction of travel.

4.4.11 Car Lighting

The car lighting shall consist of four (4) low voltage incandescent down lights. The failure of one lamp shall not cause the remaining lamps to extinguish.

4.4.12 Automatic Lights

Overhead lights in the car compartment shall turn ON automatically when the elevator door is opened and stay ON while the elevator is in use. The elevator lights will shut OFF by a timer when the elevator is not in use.

4.5 PLATFORM TOE GUARD

A platform toe guard shall be provided at each car entrance opening to extend below car entrance opening for safety.

4.6 LEVELING DEVICE

4.6.1

The elevator shall be provided with a 2 way-leveling device, which will maintain the car within 1/2” (13 mm) of the landing, by magnetic sensor.

4.6.2

Leveling device switches shall be located in a position to be inaccessible to unauthorized persons.

4.6.3

Hoistway car position signals shall be magnetically sensed for quiet operation.

4.7 TWO SPEED HORIZONTAL SLIDING HOISTWAY DOOR/CAB GATE

4.7.1 Cab Door Operation

a) Power operated, two speed horizontal sliding, zinc wipe coated, steel panels providing a clear opening of 36” x 80” (914 mm x 2032mm) shall be provided.
b) Doors on the car and at the hoistway entrances shall be power operated by means of a solid-state 24 volt D.C. operator with smooth quiet belt drive transmission, operable during power failure.
c) Door operation shall be automatic at each landing with door opening being initiated as the car arrives at the landing and closing taking place after expiration of an adjustable time interval.
d) All control adjustments shall be potentiometer regulated.
e) The door shall be equipped with an infrared self-contained light curtain that will stop and reverse the doors should it detect an obstacle.
f) The car doors shall be equipped with a master door clutch to control the individual landing door electrical-mechanical interlocks.
g) The car door electric contact shall prevent the elevator from moving away from the landing unless the car door is in the closed position and the controller will monitor the door contacts and register a fault if any have been bypassed
h) The car doorsill shall be extruded aluminum.

4.7.2 Hoistway Doors

a) Two speed horizontal sliding, zinc wipe coated, steel panels providing a clear opening of 36” (914 mm) x 80” (2032 mm) shall be provided at each landing.
b) Frames shall be of bolted construction for a one-piece unit assembly comprised of head and side jamb sections.
c) The door assembly shall be 1 1/2 UL/ULC labeled and provided with approved electrical mechanical interlocks.
d) The landing doorsill shall be extruded aluminum with non-slip wearing surfaces and grooves for door guides.

4.8 HYDRAULIC POWER UNIT

a) The pump and motor shall be the submersible type installed inside the oil tank.
b) The controller shall be integrally mounted on the power unit frame.
c) Control circuitry to be Programmable Logic Controls and be located on the pump unit.
d) The power unit control valve shall be a variable speed proportional valve type that includes all hydraulic control valving inherently.
This valve shall incorporate the following features:
(i) Up and down acceleration and deceleration speed adjustment for a smooth starts and stops.
(ii) Smooth stops at each landing shall be an inherent feature of the valve.
(iii) Adjustable pressure relief valve.
(iv) Manually operating DOWN valve to lower elevator in an emergency.
(v) Pressure gauge indicating in P.S.I. and Bars.
(vi) Gate valve to isolate cylinder from pump unit.
(vii) Negative pressure switch

4.9 NEGATIVE POWER SWITCH

In addition to the standard operating features of the hydraulic control valve, there shall be a pressure sensitive check valve that will activate when negative pressure is sensed in the hydraulic system. The check valve will close and stop the hydraulic jack from descending immediately on sensing negative pressure.

4.10 CYLINDER AND PLUNGER

4.10.1

The cylinder shall be constructed of steel pipe of a sufficient thickness and suitable safety margin. The top of the cylinder shall be equipped with a cylinder head with an internal guide ring and self-adjusting packing.

4.10.2

The plunger shall be constructed of a steel shaft of a proper diameter machined true and smooth. The plunger shall be provided with a stop electrically welded to the bottom to prevent the plunger from leaving the cylinder.

4.11 CABLE

Minimum of two 3/8” (10 mm).

4.12 SAFETY DEVICE

A “slack/broken cable” safety device shall be supplied, which will stop and sustain the elevator and its rated load, if either of the hoisting cables becomes slack or breaks. The safety device shall be resetable by the operation of the elevator in the upward direction. A switch shall be mounted in such a position to sense the operation of the safety device, and will open the safety circuit to the controller to prevent operation of the elevator in either direction.

4.13 GUIDE YOKE

The 1:2 guide yoke/sheave arrangement shall be supplied with a sheave, guide shoes, roller bearings and adjustable cable guards. The sheave shall be finished with rounded grooves to fit the cables.

4.14 NORMAL TERMINAL STOPPING DEVICES

Normal terminal stopping devices shall be magnetically sensed at the top and bottom of runway to stop the car automatically.

4.15 GUIDE RAILS AND BRACKETS

4.15.1
Steel 8lb/ft“T” guide rails and brackets shall be securely fastened to the building structure.

4.15.2
Brackets shall securely hold the guides in a plumb and true position regardless of car loading.

4.15.3
Guides shall be bolted through the hoistway enclosure with “back-up” plates, washers and nuts. Subject to architects’ alterations and approvals.

4.16 CAR SLING

4.16.1
Car sling shall be fabricated from steel members with adequate bracing to support the platform and cab.

4.16.2
The buffer-striking member on the underside of the car must stop the elevator before the plunger reaches its down limit of travel.

4.16.3
Guide shoes to be solid slipper type with polyurethane inserts.

4.17 OVERSPEED GOVERNOR

Elevator to be equipped with an overspeed governor complete with tension weight and brackets; high strength wire rope and attachment fittings, all in conformance with the applicable code sections. The governor shall be traction driven, self-resetting, field adjustable and be provided with a means to seal the tripping speed.

4.18 CAR TOP INSPECTION STATION

Provide a car top inspection station consisting of a stop button and constant pressure Up and DOWN button. The car top control will override all other controls. Also provide a 110-volt GFI outlet socket and light.

4.19 WIRING

All wiring and electrical connections shall comply with applicable Codes, insulated wiring shall have flame retardant and moisture proof outer covering and shall be run in a conduit or electrical wireways. Traveling cables shall be flexible and suitably suspended to relieve strain.

4.20 FINISH

Electrostatically applied baked polyester gloss powder coating paint finish.

Part 5 - Execution

5.1 EXAMINATION

All site dimensions shall be taken to ensure that tolerances and clearances have been maintained and meet local regulations.

5.2 PREPARATION

Pre-inspect the construction and service requirements for “Work by Others.” These requirements will be included in drawings, diagrams, engineering data sheets and special instructions before the work commences.

Part 6 – Warranty

6.0 WARRANTY

Manufacturer shall provide a Manufacturer’s limited parts warranty as outlined in Appendix A.

Part 7 – Owner’s Instruction & Manual

7.0 OWNER’S INSTRUCTION & MANUAL

After installation is completed, the contractor shall instruct the owner in the proper use, operation and maintenance requirements of the elevator. Instructions to also include emergency procedures and safety rules and precautions. The contractor shall also supply the owner with an Owner’s Manual detailing the operating, safety, and maintenance procedures of the elevator.

Appendix A

Manufacturer's Limited Product Warranty

Term of warranty – this warranty is valid for a period of 36 months from the date that the product shipped from our factory. Purchase price for product must be paid in full for manufacturer to release parts under this warranty.

Coverage – this warranty applies to the repair or replacement, at Manufacturer's option, of parts that fail due to defective material or workmanship. Manufacturer may, at its option, provide factory reconditioned parts. This warranty is provided to the Authorized Dealer on behalf of the final purchaser of the product and is not transferable. The Manufacturer's warranty does not cover labor charges for the removal, repair or replacement of warranty parts but such costs may be covered for a period of time by Authorized Dealer's warranty, which is provided to purchaser separately.

Conditions:

1) This warranty only applies to products installed and maintained by an Authorized Dealer in conformance with all applicable local and national codes.
2) The warranty is void if regular inspection and maintenance of product is not being carried out by an Authorized Dealer in accordance with the recommendations contained in the Owner's Manual. It is the Owner's responsibility to keep records of all such service.
3) This warranty does not apply to the following:
    1) Consumable items which include: light bulbs, batteries, oil seals, mechanical switches, guide shoe inserts, drive belts, hydraulic fluids, greases, oils etc.
    2) Structural or cosmetic components that are subject to normal wear and tear, external forces and/or misuse. This includes metal panels, glass, plexiglass, gates, doors, buttons, switches, upholstery, trim etc
    3) Items that require periodic assessment, maintenance and/or replacement. This includes paint, caulking, weather seals, etc
    4) Malfunction or damage to product caused by accident, misuse, abuse or vandalism, lack of proper maintenance, improper installation or placement of product, neglect, improper adjustment, modification or alteration, structural condition of building or hoistway, overloading, failure to follow operating instructions or acts of God.

Standard Procedures:

Required warranty parts will be shipped at Manufacturer's expense by UPS ground. Expedited or air shipment of parts is available at Dealer's request and expense. Some parts covered under this warranty may be commercially available from a source close to the job site and Manufacturer will reimburse Dealer for cost to purchase these items provided that approval is obtained from Manufacturer's Technical Support Department in advance.

Disclaimers:

Nationwide Lifts disclaims liability for any personal injury or property damage resulting from the operation of a product that has been modified from the original design. No person or company is authorized to change the design of this product without written authorization by the Manufacturer.

The Manufacturer's obligation under this warranty is exclusively limited to the repair or exchange of parts that fail within the applicable warranty period.

The Manufacturer assumes no responsibility for expenses or damages, including incidental or consequential damages. Some states and/or provinces do not allow the exclusion or limitation of incidental or consequential damages so the above limitation may not apply to you.

This Warranty supercedes all other published warranties in Owner's and Installation Manual