



APPLICATION FOR VARIANCE

State Form 44400 (R6 / 6-12)

Approved by State Board of Accounts, 2012

RECEIVED
OCT 30 2017

INDIANA DEPARTMENT OF HOMELAND SECURITY CODE SERVICES SECTION

302 West Washington Street, Room W246

Indianapolis, IN 46204-2739

http://www.in.gov/dhs/fire/bs_comm_code/



INSTRUCTION: Please refer to the attached four (4) page instructions.
Attach additional pages as needed to complete this application.

Variance number (Assigned by department)

17-12-07

1. APPLICANT INFORMATION (Person who would be in violation if variance is not granted; usually this is the owner)

Name of the applicant ZION TABERNACLE APOSTOLIC FAITH CHURCH- TOM LITTLE	Title BUILDING SUPERINTENDENT
Name of organization ZION TABERNACLE APOSTOLIC FAITH CHURCH	Telephone number (317) 545-1797
Address (number and street, city, state, and ZIP code) 4007 NORTH SHERMAN DRIVE; INDIANAPOLIS, INDIANA 46226	

2. PERSON SUBMITTING APPLICATION ON BEHALF OF THE APPLICANT (If not submitted by the applicant)

Name of person on behalf of the applicant SIDNEY GAITHER	Title SALES REPRESENTATIVE
Name of organization MID-AMERICA ELEVATOR COMPANY, INC	Telephone number (317) 695-2399
Address (number and street, city, state, and ZIP code) 1116 EAST MARKET STREET; INDIANAPOLIS, INDIANA 46202	

3. DESIGN PROFESSIONAL OF RECORD (If applicable)

Name of design professional N/A	License number N/A
Name of organization N/A	Telephone number () N/A
Address (number and street, city, state, and ZIP code) N/A	

4. PROJECT IDENTIFICATION

Name of project ZION TABERNACLE APOSTOLIC FAITH CHURCH	State project number 46312	County MARION
Site address (number and street, city, state, and ZIP code) 4007 NORTH SHERMAN DRIVE; INDIANAPOLIS, INDIANA 46226		
Type of project: <input checked="" type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Alteration <input type="checkbox"/> Change of occupancy <input checked="" type="checkbox"/> Existing		

5. REQUIRED ADDITIONAL INFORMATION

The following required information has been included with this application (check as applicable):

- A check made payable to the Indiana Department of Homeland Security for the appropriate amount. (see instructions)
- One (1) set of plans or drawings and supporting data that describe the area affected by the requested variance and any proposed alternatives.
- Written documentation showing that the local fire official has received a copy of the variance application.
- Written documentation showing that the local building official has received a copy of the variance application.

6. VIOLATION INFORMATION

Has the Plan Review Section of the Division of Fire & Building Safety issued a Correction Order?

- Yes (if yes, attach a copy of the Correction Order) No

Has a violation been issued? Yes (if yes, attach a copy of the Violation and answer the following) No

- Violation issued by: Local Building Department State Fire and Building Code Enforcement Section
 Local Fire Department

7. DESCRIPTION OF REQUESTED VARIANCE

Name of code or standard and edition involved ASME A18.1-2005 Safety Standard for Platform Lifts	Specific code section ICC/ANSI A117.1-2009 410.2.1 Doors and Gates
Nature of non-compliance (include a description of spaces, equipment, etc. involved as necessary) 1. - The Existing Area where the Handicap Lifts Hall Doors open is a Hallway. The Total Hallway is only 72" wide. 2. - The existing Hallway area outside the Manual opening Hall Doors is used by small preschool children and also by our Elderly membership 3. - There is also Hallway conjection due to the Manual Opening Hall Door being diagonally across from our Kitchen Food Service Area.	

8. DEMONSTRATION THAT PUBLIC HEALTH, SAFETY, AND WELFARE WILL BE PROTECTED

Select one of the following statements:

- Non-compliance with the rule will not be adverse to the public health, safety or welfare; or
- Applicant will undertake alternative actions in lieu of compliance with the rule to ensure that granting of the variance will not be adverse to public health, safety, or welfare. Explain why alternative actions would be adequate (be specific).

Facts demonstrating that the above selected statement is true:

1. - The Existing Handicap Lift that has been in operation since 1991 was installed code compliant at that time with the installation of Manual Open and Self Closing and Locking Hall Doors.
 2. - The Church membership has become acustom to the existing Manual Operation of the Hall Doors.
 3. - The Church membership has assisted any individual that required help when confined to a Wheelchair and or Walker.

9. DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE

Select at least one of the following statements:

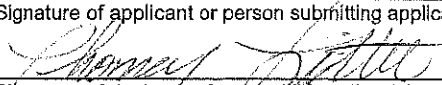
- Imposition of the rule would result in an undue hardship (unusual difficulty) because of physical limitations of the construction site or its utility services.
- Imposition of the rule would result in an undue hardship (unusual difficulty) because of major operational problems in the use of the building or structure.
- Imposition of the rule would result in an undue hardship (unusual difficulty) because of excessive costs of additional or altered construction elements.
- Imposition of the rule would prevent the preservation of an architecturally or a historically significant part of the building or structure.

Facts demonstrating that the above selected statement is true:

The Hallways outside of the Lifts manually operated Hall Doors are used by the its membership as well as visitors at both Floor Levels
 The Church operates of the Free Will Offerings received from it's membership and visitors

10. STATEMENT OF ACCURACY

I hereby certify under penalty of perjury that the information contained in this application is accurate.

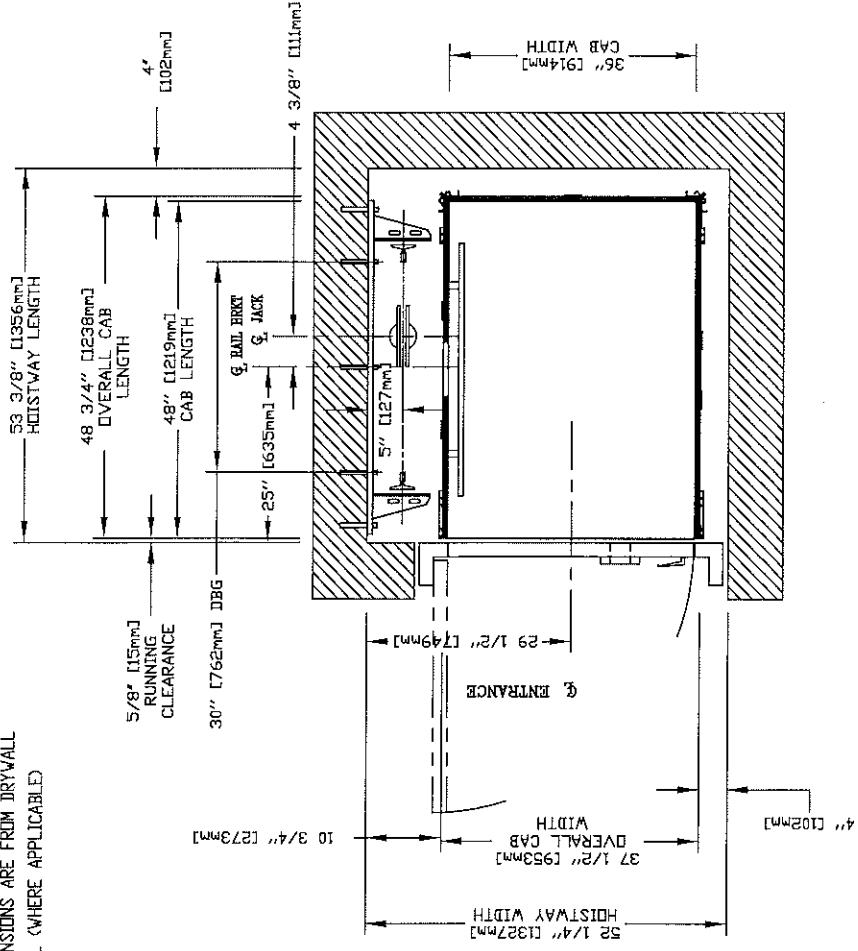
Signature of applicant or person submitting application 	Please print name TOM LITTLE	Date of signature (month, day, year) 10-27-17
Signature of design professional (if applicable)	Please print name N/A	Date of signature (month, day, year) N/A

11. STATEMENT OF AWARENESS (If the application is submitted on the applicant's behalf, the applicant must sign the following statement)

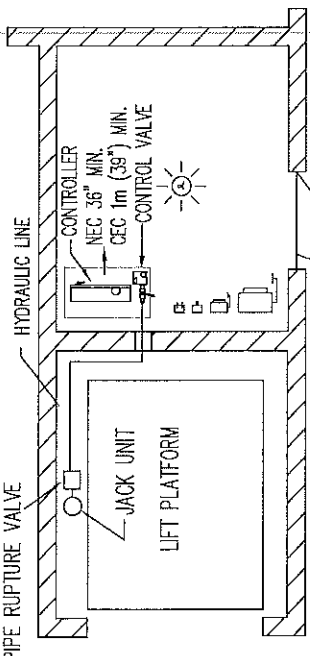
I hereby certify under penalty of perjury that I am aware of this request for variance and that this application is being submitted on my behalf.

Signature of applicant	Please print name	Date of signature (month, day, year)
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PLEASE NOTE:
 OVERALL HOISTWAY LENGTH AND
 WIDTH DIMENSIONS ARE FROM DRYWALL
 TO DRYWALL (WHERE APPLICABLE)



ADJ. FLO-CONTROL
 OR PIPE RUPTURE VALVE



M/R PLAN AT LOWER LEVEL

PRELIMINARY DRAWING ONLY
 DRAWING APPROVAL:

THIS DRAWING REFLECTS OUR INTERPRETATION OF THE INFORMATION
 PROVIDED BY THE DEALER ON THE ORDER FORM. THIS INFORMATION IS THE
 DEALER'S RESPONSIBILITY, AND IS THE BASIS FROM WHICH THIS LIFT IS
 DESIGNED AND MANUFACTURED. PLEASE CONTACT THE DEALER TO
 CHECK FOR ANY CHANGES TO THE ORDER, AND TO OBTAIN THE
 AUTHORIZED COMPLETION OF THIS ORDER.

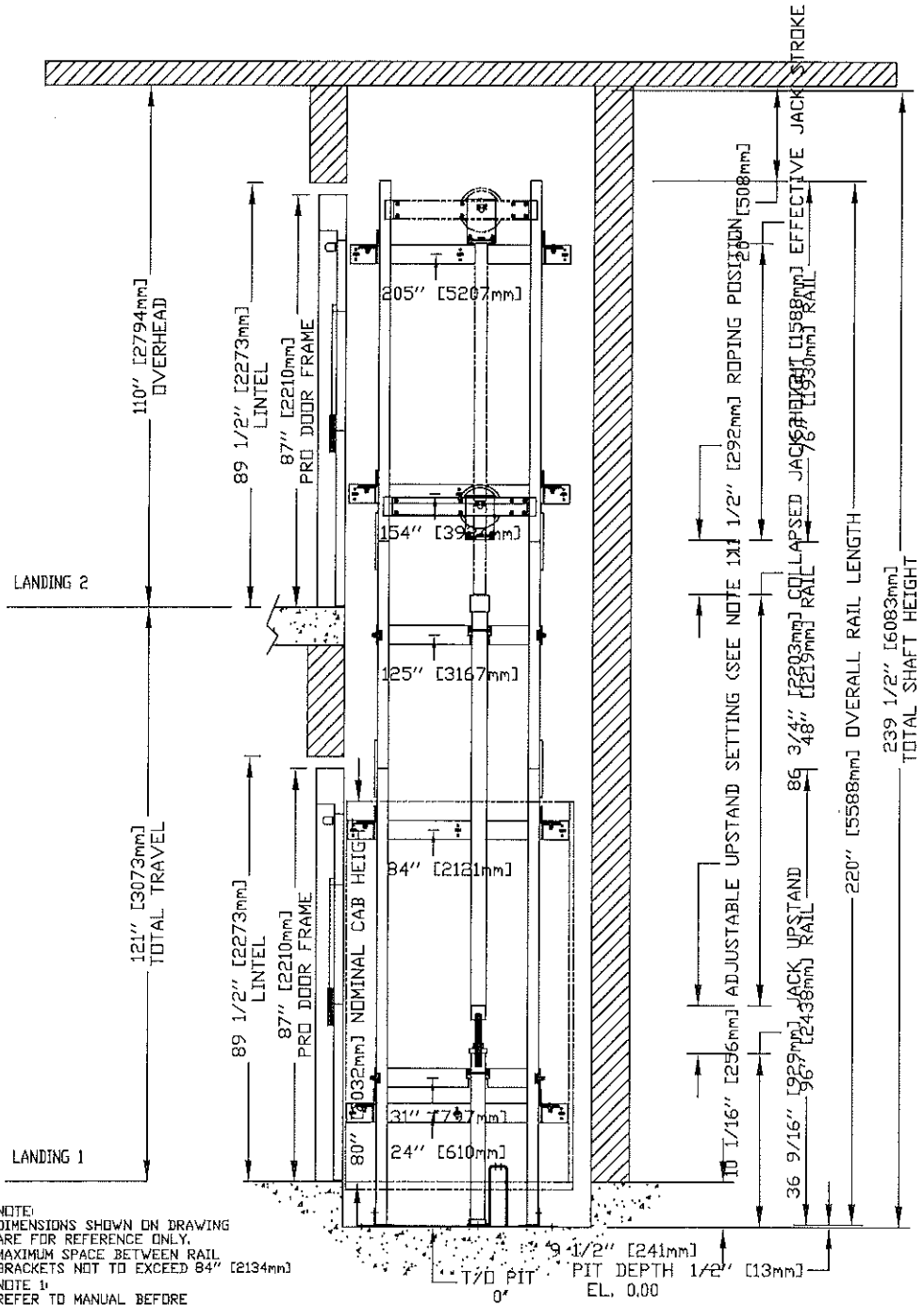
- APPROVED WITH NO EXCEPTIONS
- MANUFACTURE PRODUCT AS PER DRAWING
- APPROVED WITH EXCEPTIONS, NO REAPPROVAL
 REQUIRED
- MAKE CHANGES AS NOTED, NO REAPPROVAL DRAWING REQUIRED
- CHANGE AS NOTED, REAPPROVAL REQUIRED
 MAKE CHANGES AS NOTED, SEND CORRECTED DRAWING FOR
 REAPPROVAL BEFORE MANUFACTURE

SIGNATURE: _____ DATE: _____
 CAUTION: SINCE THE DRAWING IS APPROVED, JOB CANCELLATION FEES WILL APPLY

OFFICE USE ONLY:	Part No. PROLIFT SOL
OFFICIAL DESIGN STAMP: 0.0	Variant No. 96769
MODEL DESIGN STAMP: V-51P	
DATE: 06/02/17 PROJECT: AMERICA ELEVATOR CO., INC. ADDRESS: Zion Tabernacle Apostolic Faith Church Copy 4007 North Sherman Drive Indianapolis, Indiana 46226	
JOB No. 407XXX1 OF 4	

PLAN VIEW





NOTE:
 DIMENSIONS SHOWN ON DRAWING
 ARE FOR REFERENCE ONLY.
 MAXIMUM SPACE BETWEEN RAIL
 BRACKETS NOT TO EXCEED 84" [2134mm]

NOTE 1:
 REFER TO MANUAL BEFORE
 ADJUSTING THIS SETTING

ELEVATION VIEW B-B

CUSTOMER:
 MID-AMERICA ELEVATOR CO., INC
 PROJECT:
 Zion Tabernacle Apostolic Faith Church Copy
 ADDRESS:
 4007 North Sherman Drive
 Indianapolis, Indiana 46226

DATE:
 06/02/17
 REVISION DATE:
 10/09/17
 COMPLETED BY:
 [Signature]

OFFICE USE ONLY:
 CONFIRMATION PERSON STAMP: 0.0
 MODEL VERSION STAMP: V-S-512

Part No. PROLIFT SCL
 Variant No. 96769



JOB No. 407XXX
 SHEET No. 2 OF 4

PROVISIONS BY OTHERS

***GENERAL**
HOISTWAY - THE HOISTWAY MUST BE IN ACCORDANCE WITH NATIONAL US/ASME (SEE APPLIED CODE), ALL STATE AND LOCAL CODES.
PLUMB HOISTWAY - DUE TO CLOSE RUNNING CLEARANCES OWNER/AGENT MUST ENSURE THAT HOISTWAY AND PIT CHARGE PROVIDED ARE LEVEL, PLUMB AND SQUARE AND ARE IN ACCORDANCE WITH THE DIMENSIONS ON THESE DRAWINGS.

MINIMUM OVERHEAD CLEARANCE - OWNER/AGENT MUST ENSURE MINIMUM OVERHEAD CLEARANCE IS IN COMPLIANCE WITH CODES.
CONSTRUCTION SITE - OWNER/AGENT TO PROVIDE ALL MASONRY, WALKWAY AND CURBWORK AS REQUIRED AND SHALL PATCH AND FINISH ALL WORK. LIGHT FIXTURES AND ALL AREAS WHERE WALLS/FLOORS MAY REQUIRE BEING PATCHED OR ALTERED IN ANY WAY TO PERMIT THE PROPER INSTALLATION OF THE LIFT.

DIMENSIONS
 CONTRACTOR/CUSTOMER TO VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO OUR OFFICE IMMEDIATELY.

***STRUCTURAL**
FLOOR/SUPPORT WALL LOADS - STRUCTURAL ENGINEER TO ASSURE THAT BUILDING AND SHEFTS WILL SAFELY SUPPORT ALL LOADS IMPROVED BY THE LIFT EQUIPMENT. REFER TO THE TABLES ON THIS DRAWING FOR LOADS IMPROVED BY THE EQUIPMENT.
WHERE JOISTS ARE REQUIRED - SUITABLE LINTELS MUST BE PROVIDED BY OWNER/AGENT. DOOR FRAMES ARE NOT DESIGNED TO SUPPORT OVERHEAD WALL LOADS.

***MACHINE ROOM**
LOCATION / ACCESS - MACHINE ROOM LOCATED AT THE LOWEST LEVEL ADJACENT TO HOISTWAY, UNLESS SHOWN OTHERWISE ON THE LAYOUT DRAWINGS. FIELD ADJUSTMENT BY INSTALLER MAY BE NECESSARY TO MEET JOB SITE CONDITIONS OR REGULATIONS.
MACHINE ROOM DOOR IS TO BE LOCKABLE AND IS TO MEET THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
SLEEVES FOR OIL & ELECTRIC LINES - FROM MACHINE ROOM TO RUNWAY AS REQUIRED. POSITION PER INSTALLER'S INSTRUCTIONS.

MOTOR & EQUIP	30 AMPS @ 30 VOLT	30 AMP/30 VOLT	30 AMP/30 VOLT	30 AMP/30 VOLT
CAB LIGHTS	15 AMPS @ 115 V	15 AMP/115 VOLT	15 AMP/115 VOLT	15 AMP/115 VOLT

***ELECTRICAL**
POWER SUPPLY - (SEE SPECIFICATIONS) LOCKABLE FUSED DISCONNECT WITH AUXILIARY CONTACT TO BRAKE THE BATTERY FEED, OR CIRCUIT BREAKERS WITH A 3-POLE BREAKER FOR BATTERY FEED REQUIRED, IN COMPLIANCE WITH ELECTRICAL CODE, AS FOLLOWS
LOCATED ON WALL ON LOCK JAMB SIDE OF MACHINE ROOM DOOR. POWER MUST BE TURNED OFF BEFORE INSTALLATION CAN BEGIN. PERMANENT LIGHTING - OWNER/AGENT TO ENSURE AT LEAST 9.3 FT-C OR 100 LUX AMBIENT LIGHTING OVER LIFT AREA.

***ENTRANCES**
FASCIA PANEL BELOW UPPER LEVEL ENTRANCE - WHERE REQUIRED, PERPENDICULAR TO THE FLOOR AND WALLS. HOISTWAY FASCIA IS NOT SELF-SUPPORTING FOR LONG, CONTINUOUS RUNS VOID OF ENTRANCES. ADEQUATE SUPPORT FOR THE FASCIA MUST BE PROVIDED.
ENTRANCE ASSEMBLIES - ENTRANCE ASSEMBLIES MUST BE ADJUSTED TO ALIGN WITH PLATFORM AND INTERLOCK EQUIPMENT. OTHERS TO ALLOW AN ADEQUATE ROUGH OPENING.
RETURN WALLS AT ENTRANCES MUST BE BUILT-IN RETURN WALLS. RETURN WALL ASSEMBLIES ARE IN PLACE. ENTRANCE ASSEMBLY MUST BE SECURELY FASTENED TO WALLS BY ELEVATOR CONTRACTOR.

SPECIFICATIONS

CAR FINISH DETAILS

CAB PANEL SELECTION: Melamine Red Oak AE12
 PLANK SELECTION: Not Applicable
 CEILING SELECTION: White Eggcrate
 PIT LIGHT FINISH: Stainless Steel
 TRIM COLOUR: Clear Anodized Aluminum
 CAR STATION KEYS: Stainless Steel/PI
 CAR STATION KEYS: Keypad on/off removable
 HAND RAIL TYPE: Cylindrical S/S #4 Finish
 CAB FLOORING: Plywood Floor
 FINISHED FLOOR THICKNESS: 0.375 (10 mm finish)

TELEPHONE BOX: no
 TELEPHONE BOX FINISH: Not Applicable
 HAND FREE PHONE: yes

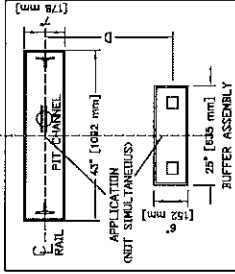
CAR DIMENSIONS/PLATFORM GATES

CAB TYPE: Type 1 Left Hand
 CAB HEIGHT: 60" (1524 mm)
 CAB OPERATION: CPFS
 GATES REQUIRED: No Gates
 GATE TYPE: Not applicable

JACK UNIT
 EFFECTIVE STRIKE: 62 1/2" (1587 mm)
 PLUNGER D/D: 2 1/2" (63 mm)
 CYLINDER D/D: 3 1/4" (89 mm)
 CYLINDER I/D: 2 3/4" (70 mm)
 SPLIT CYLINDER: no
 COLLAPSED LENGTH: 86 3/4" (2203 mm)

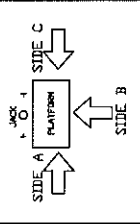
SUSPENSION
 TYPE: AIRCRAFT CABLE 2 X 3/8" (9.52 mm) DIA.
 CONSTRUCTION: IWRC 7 X 19
 NOMINAL STRENGTH: 14,400 lbs (64.05 kN) Per Cable

OPTIONS
FASTENERS - Concrete Anchors
BUFFER SPRINGS REQ'D: no
CONDUCTOR CABLE: 40' cable
TEMP. RUN BUTTON: Temp Run Button Included
SPEEDY SET-UP JIG: Speedy Jig Required
FLOOD SWITCH: Not Required



CAB WIDTH	DIST (D)
42" (1067 mm)	66.75" (1693 mm)
48" (1219 mm)	80.75" (2061 mm)
54" (1371 mm)	94.75" (2408 mm)
54" (1371 mm)	96.75" (2461 mm)

ENTRANCE SIDE LEGEND

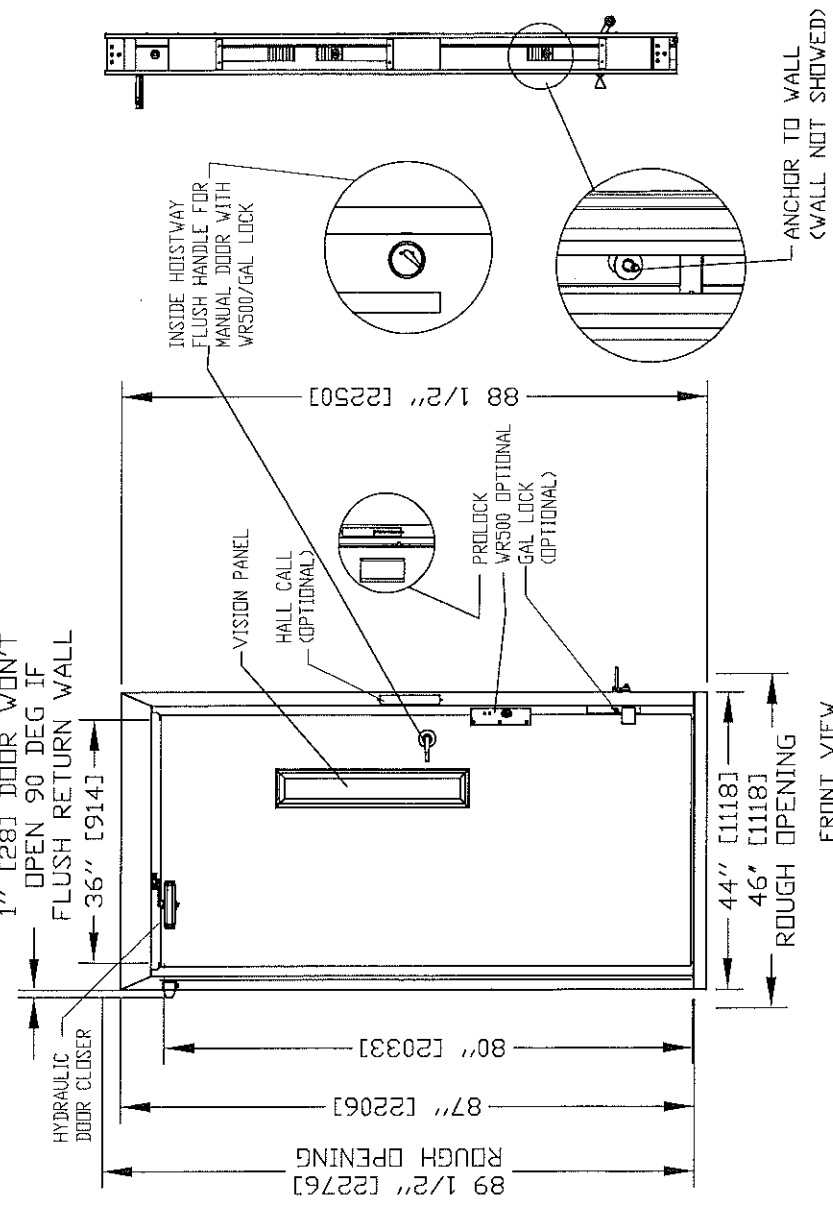


RAIL FORCES	R3 NOTE:
*R1	PIT FLOOR TO SUPPORT LOAD OF
*R2	14 lbs (6.3 kg) * (INCLUDES IMPACT)
*R3	FOR TOTAL PULL-OUT FORCE ON RAIL BRACKET,
	AT LEAST BE DOUBLED UP 2 X 305 X 70 LBS X 1.50 = 316 LBS
	FOR LOCAL APPLICATION OF PIT LOAD,
	RAIL WEIGHT = 1.1 LB/FT (330 N/M) SEE PIT CHANNEL/BUFFER SKETCH.

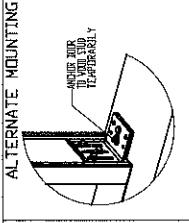
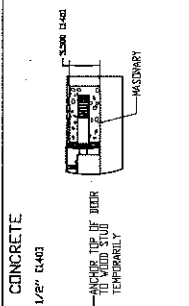
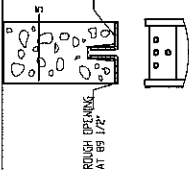
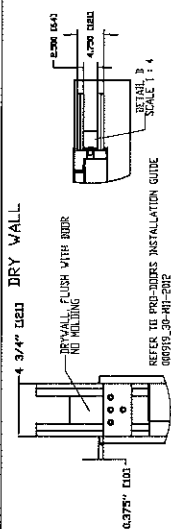
DOOR TYPE	LANDING 1	LANDING 2
ENTRANCE SIDE	Fire Rated Pro Door	Fire Rated Pro Door
DOOR SWING	Side A	Side A
LOCK TYPE	Right Hand	Right Hand
AUTO DOOR OPENER	PRO	PRO
CALL IN FRAME	yes	yes
HALL CALL KEY SWITCH	pendant	pendant
HALL CALL LIGHTING	flush mount	flush mount
FLOOR PARKING	flush mount	flush mount

OFFICE USE ONLY:
 CONTRACTOR WORK SIMP: 0.0
 WIRE PERSON SIMP: V-5-312
 DATE: 06/02/17
 FROM DATE: 10/09/17
 CUSTOMER: MID-AMERICA ELEVATOR CO., INC.
 PROJECT: Zion Tabernacle Apostolic Faith Church Copy
 ADDRESS: 4007 North Sherman Drive
 Indianapolis, Indiana 46226
 SHEET NO. 407XXX3 OF 4

1" [28] DOOR WON'T
OPEN 90 DEG IF
FLUSH RETURN WALL



FRONT VIEW

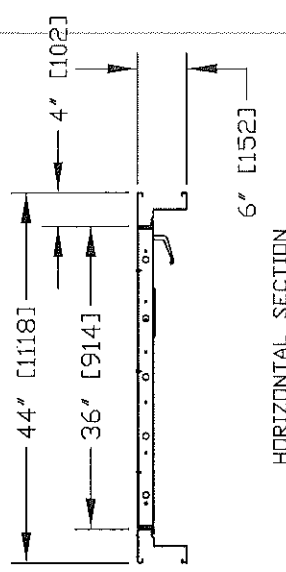


NOTES:

- A) DRYWALL OR PARGING (BY OTHERS)AS REQ'D.
- B) SEE DATASHEET OF THE INSTALLATION DRAWING FOR LANDING ENTRANCE SCHEDULE AND RUNNING CLEARANCE.
- C) ALL INFORMATION IS SUBJECT TO CHANGE.

GENERAL INFORMATION:

- EACH LANDING ENTRANCE SHALL BE SUPPLIED AS A FINISHED ASSEMBLY WITH DOOR AND FRAME BLANKED, REINFORCED, DRILLED AND TAPPED FOR ALL COMPONENTS DETAILED, READY FOR INSTALLATION.
- FRAMES SHALL BE 16 GA-FULLY WELDED CONSTRUCTION WITH ALL WELDED JOINTS GROUND TO A SMOOTH, UNIFORM FINISH.
- DOORS SHALL BE 18 GA., 2" THICK, SWINGING, FLUSH, STEEL REINFORCED CONSTRUCTION COMPLETE WITH GLASS LITES AS INDICATED.
- DOORS/FRAMES TO BE FABRICATED FROM ZINC WIPE COATED GALVANIZED STEEL WITH ZINC RICH PRIMER, FACTORY APPLIED TOUCH-UP AT THOSE AREA WHERE COATING HAS BEEN REMOVED DUE TO WELDING/GRINDING.
- UL/ULC LABELLED ENTRANCES PROVIDED AS INDICATED 1 1/2 HOURS RATED.
- MANUAL DOOR HYDRAULIC DOOR CLOSER PROVIDED.



HORIZONTAL SECTION

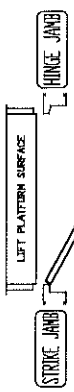
OFFICE USE ONLY:	Part No. PROLIFT SCL
OPERATION ERROR STAMP:	Variant No. 96769
WOLLE ERROR STAMP:	
DATE: 06/12/17 DRAWN BY: [Signature] CHECKED BY: [Signature]	
CUSTOMER: MID-AMERICA ELEVATOR CO., INC. PROJECT: Zion Tabernacle Apostolic Faith Church Copy ADDRESS: 4007 North Sherman Drive Indianapolis, Indiana 46226	
JOB No. 407XXX SHEET No. 4 OF 4	

DOOR LEVEL(S): 1, 2

PRO-MANUAL DOOR
1.5 HOUR FIRE RATED INSIDE FLUSH DOOR



RIGHT HAND SWING



State of Indiana

Reference Codes and Standards for Elevators

www.in.gov/legislative/iac/title675.html

Indiana Administrative Code (675 IAC 21)

Indiana Elevator Safety Code, 2011 edition

Adopts by Reference

ANSI /ASME A17.1-2007

Safety Code for Elevators and Escalators

ANSI/ASME A17.3 - 2005

Safety Code for Existing Elevators and Escalators

ANSI A10.4-2004

Safety Requirements for Personnel Hoists and
Employee Elevators for Construction and
Demolition Operations

ANSI A90.1-2003

Safety Standard for Belt Manlifts

ASME A18.1-2005

Safety Standard for Platform and Stairway Chair Lifts

675 IAC 17, 2009 Indiana Electrical Code

Adopts by Reference

NFPA 70 NEC 2008

(Article 620)

2014 Indiana Building Code

675 IAC 13; Rule 2.6 Adopts by Reference

2012 International Building Code IBC

(675 IAC 14 Indiana Residential Code)

675 IAC 22-2.5; Indiana Fire Code, 2014 edition

Adopts by reference

International Fire Code, 2012 edition

675 IAC 28-1-28, NFPA 72, 2010 edition,

National Fire Alarm Code

675 IAC 28-1-5, NFPA 13, 2010

Standard for the Installation of Sprinkler Systems

As of 6/29/2016

ASME A18.1-2005
(Revision of ASME A18.1-2003)

Safety Standard for Platform Lifts and Stairway Chairlifts

AN AMERICAN NATIONAL STANDARD



**The American Society of
Mechanical Engineers**

Three Park Avenue • New York, NY 10016

(05)

Table 1.5-1 Reference Documents

	Standard	A18 References	Available From
ANSI A10.4 (latest edition)	Safety Requirements for Personnel Hoists	1.1.2	ANSI
ICC/ANSI A117.1-1998	Guidelines for Accessible and Usable Buildings and Facilities	2.1.5, 3.1.4.2, and 3.10.1	ANSI
ASME A120.1 (latest edition)	Safety Requirements for Powered Platforms for Building Maintenance	1.1.2	ASME
ANSI Z97.1-1984	Performance Specifications and Methods of Test for Safety Glazing Material Used in Buildings	3.6.4.3 and 6.6.4.3	ANSI
ASME B29.1-1975	Precision Power Transmission Roller Chains, Attachments, and Sprockets	2.3.1.5, 2.3.8.1, 3.3.1.5, 3.3.5.1, 4.3.1.2, 4.3.5.1, 5.3.1.5, 5.3.8.1, 6.3.1.5, 6.3.5.1, 7.3.1.2, and 7.3.5.1	ASME
AWS D1.1 (latest edition)	Structural Welding Code — Steel	9.1.1 and 9.1.2	AWS
AWS D1.3 (latest edition)	Structural Welding Code — Sheet Steel	9.1.2	AWS
NFPA 70 (latest edition)	National Electrical Code®	2.1.6.1, 2.10.9.1, 3.1.6.1, 3.10.7.1, 4.1.3, 4.10.3.1, 5.1.4.1, 5.10.9.1, 6.1.6.1, 6.10.6.1, 7.1.3, and 7.10.3.1	NFPA
NFPA 99 (latest edition)	Standard for Health Care Facilities	2.11.3	NFPA
ASME A17.1-1997 (and later editions)	Safety Code for Elevators and Escalators	1.1.2	ASME
ASME A90.1 (latest edition)	Safety Standard for Manlifts	1.1.2	ASME
ASTM A 307-84a	Specifications for Carbon Steel, Externally and Internally Threaded Standard Fasteners	2.2.2.2, 3.2.1.1, 5.2.1.1, 6.2.1.1, and 8.1.2.2	ASTM
ASTM A 502-83a	Specifications for Steel Structural Rivets	2.2.2.3, 3.2.1.1, 5.2.1.1, and 6.2.1.1	ASTM
ASTM D 2412-92	Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel Plate	8.1.4.8	ASTM
ASTM E 8 (latest edition)	Standard Test Methods for Tension Testing of Metallic Materials	9.5.1	ASTM
CAN/CSA-B44.1/ASME A17.5 (latest edition)	Elevator and Escalator Electrical Equipment	2.1.6.2, 2.10.9.2, 3.1.6.2, 3.10.7.2, 4.1.4, 4.10.3.2, 5.1.4.2, 5.10.9.2, 6.1.6.2, 6.10.6.2, 7.1.4, and 7.10.3.2	ASME
16 CFR Part 1201-86	Architectural Glazing Standards and Related Materials	3.6.4.3 and 6.6.4.3	CPSC
National Building Code (latest edition)		1.3	BOCA
Standard Building Code (latest edition)		1.3	SBCCI
Uniform Building Code (latest edition)		1.3	ICBO

ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

ICC A117.1-2009

 American National Standard

International Code Council
500 New Jersey Avenue, NW, 6th Floor
Washington, DC 20001

Approved October 20, 2010

American National Standard Institute
25 West 43rd Street
New York, NY 10036



409.4.1 Inside Dimensions. Elevator cars shall provide a clear floor area 36 inches (915 mm) minimum in width and 48 inches (1220 mm) minimum in depth.

409.4.2 Floor Surfaces. Floor surfaces in elevator cars shall comply with Section 302.

409.4.3 Platform to Hoistway Clearance. The clearance between the car platform sill and the edge of any hoistway landing shall be $1\frac{1}{4}$ inches (32 mm) maximum.

409.4.4 Leveling. Each car shall automatically stop at a floor landing within a tolerance of $\frac{1}{2}$ inch (13 mm) under rated loading to zero loading conditions.

409.4.5 Illumination. The level of illumination at the car controls, platform, and car threshold and landing sill shall be 5 foot-candles (54 lux) minimum.

409.4.6 Elevator Car Controls. Elevator car controls shall comply with Sections 409.4.6 and 309.4.

409.4.6.1 Buttons. Control buttons shall be $\frac{3}{4}$ inch (19 mm) minimum in their smallest dimension. Control buttons shall be raised or flush.

409.4.6.2 Height. Buttons with floor designations shall comply with Section 309.3.

409.4.6.3 Location. Controls shall be on a side-wall, 12 inches (305 mm) minimum from any adjacent wall.

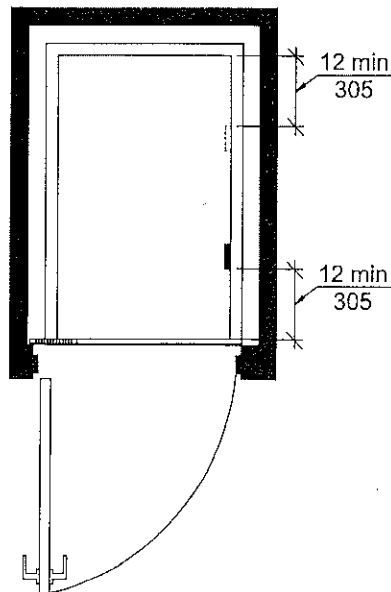


FIG. 409.4.6.3
LOCATION OF CONTROLS IN
PRIVATE RESIDENCE ELEVATORS

409.4.7 Emergency Communications. Emergency communications systems shall comply with Section 409.4.7.

409.4.7.1 Type. A telephone and emergency signal device shall be provided in the car.

409.4.7.2 Operable Parts. The telephone and emergency signaling device shall comply with Section 309.3 and 309.4.

409.4.7.3 Compartment. If the device is in a closed compartment, the compartment door hardware shall comply with Section 309.

409.4.7.4 Cord. The telephone cord shall be 29 inches (735 mm) minimum in length.

410 Platform Lifts

410.1 General. Platform lifts shall comply with Section 410 and ASME A18.1 listed in Section 105.2.6. Platform lifts shall not be attendant operated and shall provide unassisted entry and exit from the lift.

410.2 Lift Entry. Lifts with doors or gates shall comply with Section 410.2.1. Lifts with ramps shall comply with Section 410.2.2.

410.2.1 Doors and Gates. Doors and gates shall be low energy power operated doors or gates complying with Section 404.3. Doors shall remain open for 20 seconds minimum. On lifts with one door or with doors on opposite ends, the end door clear opening width shall be 32 inches (815 mm) minimum. On lifts with one door on a narrow end and one door on a long side, the end door clear opening width shall be 36 inches (915 mm) minimum. Side door clear opening width shall be 42 inches (1065 mm) minimum. Where a door is provided on a long side and on a narrow end of a lift, the side door shall be located with either the strike side or the hinge side in the corner furthest from the door on the narrow end.

EXCEPTIONS:

1. Doors or gates shall be permitted to be of the self-closing, manual type, where that door or gate provides access to a narrow end of the platform that serves only one landing. This exception shall not apply to doors or gates with ramps.
2. Lifts serving two landings maximum and having doors or gates on adjacent sides shall be permitted to have self closing manual doors or gates provided that the side door or gate is located with the strike side furthest from the end door. This exception shall not apply to door or gates with ramps.

410.2.2 Ramps. Ramp widths shall not be less than the platform opening they serve.

410.3 Floor Surfaces. Floor surfaces of platform lifts shall comply with Section 302.

410.4 Platform to Runway Clearance. The clearance between the platform sill and the edge of any runway landing shall be $1\frac{1}{4}$ inch (32 mm) maximum.

410.5 Clear Floor Space. Clear floor space of platform lifts shall comply with Section 410.5.

410.5.1 Lifts with Single Door or Doors on Opposite Ends. Platform lifts with a single door or with