

DETAIL OF TOTALLY ASSEMBLED MEZZANINE LIFT

Upper story

Pre-wired & assembled motor drive mounted on steel channel frame. 120 volt / 60 hz.

Belt detail: Urethane toothed belt w/ stainless steel wire cords (986 lb. working limit and 3645 lb. tensile strength).

Upper story side swinging door & container position. Same side or opposite side opening

Lift Container - Cabinet grade birch wood or 16 guage powder coated steel construction - 24" x 24" x 24", 30" x 30" x 30" or 36" x 36" x 36". Total lift capacity - 150 - 300+ lbs. Custom sizes available.

All structure to be 18 guage steel galvanized "C" channel 1 5/8" x 3 5/8"

29" x 29" square [model 24 x 24 lift container]
35" x 35" square [model 30 x 30 lift container]
42" x 42" square [model 36 x 36 lift container]

Mezzanine floor

Cross bars located above and below all doors and at support points

Lower story door & container position. Same side or opposite side opening.

Steel side swinging doors at two positions (14/16 guage) with steel keyed locksets and mechanical door latch lock-out .

Corner angles, 18 guage steel at all corners with flat steel strips at all expanded metal butt joints

Cross bar (18 guage) channel with Butt clip (16 guage) and attached with self drilling screws.

Expanded metal 1/2 X 13 guage steel min. to cover all open areas of tower.

Lower story

Patented & patents pending

Total height 20ft. Standard - Custom heights available. Rate of travel 21' / min.



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UL Electrical control system tested under UL 61010-1 by F Squared Co. w/ enclosure, transformer, overload relays (2), reversing contactors, PLC and control circuit. UL, CSA & CE approved

Pre-wired drive : 1/4 HP TEFC continuous duty motor w/ self braking right angle worm gear drive mounted on steel channel frame within hoistway shaft per ASME 17.1 2004 / 7.1.1.3. thru 2008 w/ 120V control box w/ 24V control wiring. Rated per UL 61010-1

Final terminal stopping devices. Per ASME A17.1 2004 7.5.11.2.1 thru 2008

Wire rope marlin belt suspension: Urethane marlin coated toothed belt w/ steel wire ropes, 986 lb. working limit and 3645 lb. tensile strength. per ASME A17.1 2004 7.2.6.1.1 (b) thru 2008

Lift Container - 24" x 24" x 24", 30" x 30" x 30" or 36" x 36" x 36". Total lift capacity - 200 - 300+ lbs. Conforms to ASME A17.1 2004 thru 2008 7.2.2

Top of car clearance: 18" - 24"
Bottom of car clearance: 30"
Top and bottom clearance runby: 24"

Upper story side swinging door & container position. Same side or opposite side opening

Steell channel structure

29" x 29" square [model 24 x 24 lift container]
35" x 35" square [model 30 x 30 lift container]
42" x 42" square [model 36 x 36 lift container]

Upper story

Mezzanine floor

Structural members per Uniform Building Code UBC, International Building Code IBC, Boca Building Code & Standard Building Code

Steel side swinging flush fire rated doors per ASME A17.1 2004 thru 2008 7.1.11.13 at two positions. Same side or opposite side openings with interlocks to prevent opening doors without car present. ASME A17.1 2004 7.2.1.2.1 thru 2008 7.1.11.12.2 CE & UL Rated. Redundant micro-switch to shutdown electrical system with door in open position.

Cross bars located above and below all doors and at support points

Pushbutton switch - Momentary type single pole single throw

Corner angles

Counterweight (38 lb. dead weight) guarding and car to counterweight clearance (1 1/4) per ASME A17.1 2004 thru 2008 7.3.4.2 Counterweight runby 12"

Slack cable switch per ASME A17.1 2004 thru 2008 7.3.11.4.1

Expanded 1/2" x 13 gauge powder coated steel to cover all openings per ASME A17.1 2004 thru 2008

Lower story

Patented & patents pending

Total height 14-20 ft.
Rate of travel 21' / min.

MAX CEILING HEIGHT

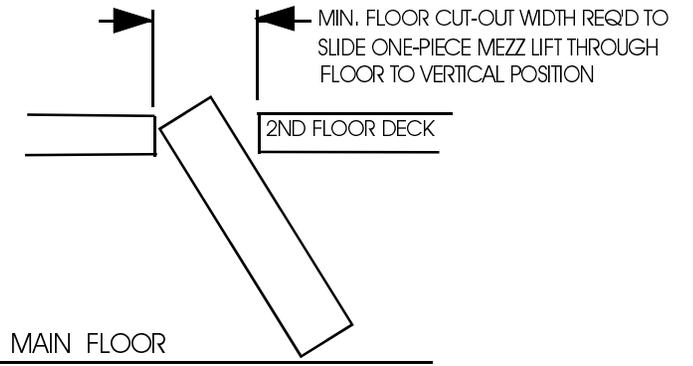
DOOR SIZE
"W X "H

[] HINGED LEFT
[] HINGED RIGHT



18"-24"

" UPPER DECK
TO DOOR EDGE



MAIN FLOOR

CUT-OUT REQUIREMENT TO POSITION
MEZZANINE LIFT INTO VERTICAL POSITION
IF RESTRICTIONS APPLY IN BUILDING

"
CAGE WIDTH

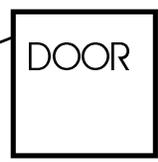
TOTAL HEIGHT
"

" SECOND STORY
FLOOR DECK

MAIN FLOOR TO
UPPER DOOR EDGE

DOOR SIZE
"W X "H

[] HINGED LEFT
[] HINGED RIGHT



" MAIN FLOOR
TO DOOR EDGE

" MAIN FLOOR TO
SECOND STORY DECK

PLEASE SIGN HERE TO APPROVE
FOR CONSTRUCTION

LIFT CONTAINER SIZE W X D X HIGH

MEZZANINE LIFT - SAME SIDE DOORS

CUSTOMER _____

MAX CEILING HEIGHT

DOOR - OPP. SIDE
SIZE ___"W X ___"H

[] HINGED LEFT
[] HINGED RIGHT
Note: Hinging is as it
appears from op. side



18"-24"

___" UPPER DECK
TO DOOR EDGE

TOTAL HEIGHT
"

___"
CAGE WIDTH

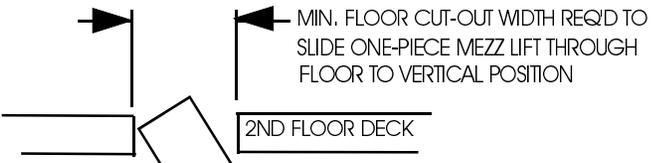
MAIN FLOOR TO
UPPER DOOR EDGE
"

DOOR - THIS SIDE
SIZE ___"W X ___"H

[] HINGED LEFT
[] HINGED RIGHT



___" MAIN FLOOR
TO DOOR EDGE



CUT-OUT REQUIREMENT TO POSITION
MEZZANINE LIFT INTO VERTICAL POSITION
IF RESTRICTIONS APPLY IN BUILDING

___" SECOND STORY
FLOOR DECK

___" MAIN FLOOR TO
SECOND STORY DECK

PLEASE SIGN HERE TO APPROVE
FOR CONSTRUCTION

LIFT CONTAINER SIZE ___W X ___D X ___HIGH

MEZZANINE LIFT - OPPOSITE SIDE DOORS

CUSTOMER _____