



# Office of the City Clerk

City Hall  
121 N. LaSalle St.  
Room 107  
Chicago, IL 60602  
www.chicityclerk.com

## Legislation Text

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File #: Or2014-6, Version: 1

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Coruwi t c te on buildings

(siqnsi

ORDER EI , That the Commi ss 3.: nti of Buildings is hereby di Leered tc issue  
a sign peimit to: (Contractor's name and address)

### Land mark ^'^n firmip

for the erection of a sign/signboard over 24 feet in height and/or over 100  
square feet (in area of one face) at: (Business NAME & ADDRESS)

Dimensions: length lev height height above  
grade/roof to top of sign TOTAL SQUARE FOOT AREA

Such sign(s) shall comply with all applicable provisions of TITLE 17 of the  
Chicago Zoning Ordinance and all other applicable provisions of the Municipal  
Code of the City of Chicago governing the construction and maintenance of outdoor  
signs, signboards and structures.

11-22-13

ROBERT-JAMES & ASSOCIATES, Inc.

Sht. 1 of 2

12255 West 187th Street  
Mokena, Illinois 60448 (708)  
479-8385

File. LandmrkSgn039c.mcd

Site: Life Storage  
1030 West North Avenue Chicago,  
Illinois

Sign Type : 22'-0" x 10'-0" two piece single face sign for installation on 18" thick brick wall using thru bolts and back-up plates. The upper LD section is 10'-0" x 10" x 12" deep with a 12'-0" x 10'-0" lower multi tenant section that is 8" deep. Drawing No. 1311126 rev. A

Design Wind Load : ( PSF ) WL := 30.0 Based on the Chicago Building Code 16 (13-52-310) (f) la. Design Snow

Load : (PSF) SL := 25.0 Based on the Chicago Building Code 16 (13-52-280) (a) for flat roofs.

Reference : Manual of Steel Construction, AISC 13 th Edition.

Mounting Bolts : ASTM A-307 Fu = 60.0 ksi. ; Ft = 20.00 ksi. ; Fv = 10.00 ksi.

Design Loads for the Upper ID Section : Dead Load :

Based on 4.5 lbs. per Square Foot: ShrUprDL := (10.0-10.0) 4.5 ShrUprDL = 450 lbs. Wind Load :  
SL ShrUprSL = 250 lbs.  
10.0-

Suction: ShrUprWL := (10.0-10.0)-WL ShrUprWL = 3000 lbs. Snow Load :

'12.0'  
AH Exposed Surfaces : ShrUprSL :=  
12

Combined Shear:

Summation : (lbs.) ShrUprSgn :=  $\sqrt{(\text{ShrUprDL} + \text{ShrUprWL})^2 + (\text{ShrUprSL} + \text{ShrUprWL})^2}$  ShrUprSgn = 4739.726

Design of Mounting Bolts for the Upper ID Section : Mounting Bolt Diameter : (in. ) MntBltdia := 0.75

Stress Area . ( in.<sup>2</sup> ) MntBltdia :=  
v uased on nominal diameter per AISC 4-3 )

Allowable Tension : (lbs.) AllwTen := 20000-MntBltdia AllwTen = 8836 Allowable  
Shear: (lbs.) AllwShr := 10000-MntBltdia AllwShr = 4418

Number of Mounting Bolts : NoBlts := 8

Shear per Mounting Bolt: (lbs.) ShrMntBltdia :=  $\frac{\text{ShrUprSgn}}{\text{NoBlts}}$  ShrMntBltdia = 592.466  
NoBlts

**ROBERT-JAMES & ASSOCIATES, Inc.**

Tension Load per Mounting Bolt: (lbs. )  $TenMntBlt := \frac{ShrLwrWL}{NoBlts}$   $TenMntBlt = 375$

Unity Check:  $UCMntBlt := \frac{ShrMntBlt}{TenMntBlt} + \frac{TenMntBlt}{TenMntBlt}$   $UCMntBlt = 0.177 < 100$

Mounting Bolts AllwShr AllwTen

Note : Use 3/4" diameter ASTM A-307 all thread rod, nuts and washers with 1/4" thick x 4" x 4" steel plate washers on the inside of the building.

Design Loads for the Lower Tenant Section : Dead Load :

Based on 4.5 lbs. per Square Foot:  $ShrLwrDL := (12.0-10.0)-4.5$   $ShrLwrDL = 540$  lbs. Wind Load :

Suction :  $ShrLwrWL := (12.0-10.0)-WL$   $ShrLwrWL = 3600$  lbs. Combined Shear:

Summation : (lbs.)  $ShrLwrSgn := \sqrt{[(ShrLwrDL + ShrLwrWL)^2 + (ShrLwrWL)^2]}$   $ShrLwrSgn = 5486.31$

Design of Mounting Bolts for the Lower Tenant Section :

Mounting Bolt Diameter : (in. )  $MntBltDia := 0.75$

Stress Area : (in.2 )  $MntBltArea := \frac{7t-MntBltDia^2}{4}$   $MntBltArea = 0.44$   
(Based on nominal diameter per AISC 4-3 ) 4

Allowable Tension : (lbs.)  $AllwTen := 20000-MntBltArea$   $AllwTen = 8836$  Allowable Shear : (lbs. )  $AllwShr := 10000-MntBltArea$   $AllwShr = 4418$

Number of Mounting Bolts :  $NoBlts := 12$

Shear per Mounting Bolt: ( lbs. )  $ShrMntBlt := \frac{ShrLwrSgn}{NoBlts}$   $ShrMntBlt = 457.193$

Tension Load per Mounting Bolt: ( lbs.)  $TenMntBlt := \frac{ShrLwrWL}{NoBlts}$   $TenMntBlt = 300$

Unity Check:  $UCMntBlt := \frac{ShrMntBlt}{TenMntBlt} + \frac{TenMntBlt}{TenMntBlt}$   $UCMntBlt = 0.137 < 100$

Mounting Bolts AllwShr AllwTen

Note : Use 3/4" diameter ASTM A-307 all thread rod, nuts and washers with 1/4" thick x 4" x 4" steel plate washers on the inside of the building.

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CITY OF CHICAGO

## DEPARTMENT OF BUILDINGS

### Sign Permit Application

APPLICATION NUMBER

100520212

DRAWINGS I-I <sup>VES</sup> ATTACHED [-] NQ

TYPE OF SIGN FLAT OR BOX

ADDRESS OF SIGN

1030 W NORTH AVE, 60642-

IN.

0

SQ. FT.

220

LBS.

1,000

type of permit NEW CONSTRUCTION (SIGN)

PAYER OF ANNUAL INSPECTION

LIFESTORAGE,.

1030 W NORTH AVE CHICAGO, 11.60642

(312)397-0001

SHAPE OF SIGN REGULAR

SIGN WILL HEAD

LIFESTORAGE & THREE TENANT PANELS

SIGN MANUFACTURER

LANDMARK SIGN

TICKET NUMBER

ADDRESS WHERE SIGN CAN BE SEEN PRIOR TO ERECTION

REINSPECTION CONTROL NUMBER

TYPE OF SUPPORT FOR SIGN BUILDING

SIGN BOARD SUPPORT MEMBERS STEEL

NO OF LAMPS 20

TOTAL WATTAGE 1200

type of lamp FLUORESCENT

NO. OF BALLAST/TRANSFORMERS 3

INPUT OF TRANSFORMERS 120

CONTRACTOR WILL INSTALL INITIAL FEEDERS | CUSTOMER LEADS

SPECIAL

type of sign

ANNUAL FEE CONSTRUCTION FEE 1017 B FEE TOTAL FEE AMOUNT PAID BALANCE DUE

Check # for Zoning

700.00

200.00

Check # for DCAP

**\$ 500.00**

LOCATION OF SWITCH OUTSIDE SIGN

SIGN LOCATION

NORTH AVE. ELEVATION: ILLUMINATED WALL SIGN ■ "LIFESTORAGE" & (3) TENANT PANELS.

Tin: iindersittirfi certify Thar the statmrnts in illis <mn/lir..dinn are true and correct and rliHt nil wrnk done under the nmrvw>:t;il mmit will conform tn the retuiiretiikNi.'s «filiR Olicaffo Municinnl Crule

N90730

ELECT CONTR  
VIP TECH ELECTRIC, INC.  
SIGN ERECTOR  
LANDMARK OUTD'R ADVERTIS'

ADDRESS  
10225 W. PACIFIC FRANKLIN PARK, IL 60131 -

ADDRESS  
7424 INDUSTRIAL AVE CHESTERTON XXX IN, 46304

SUPERVISOR SIGNATURE

The permit issued on this application will authorize only signs here applied tor. It'other signs ore lo be erected they must be covered by additional permits

City of Chicago  
Rahm Emanuel, Mayor  
Department of Buildings Michael Merchant, Commissioner

VioVe: Sio/ c\*. ^\_WcAe Tn^rU, - No pageiof2

TYPE OF BUSINESS COMMERCIAL Other: SELF STORAGE

Name: LIFESTOP A,GE LIC#;j |

SIGN BOND REQUIRED? \_\_ YES

COUNCIL ORDER REQUIRED [x] YES

is special permission required from chief electrical □ :  
request

Renewal Date: 12/15/2014

Projects Over: [y] Private Property In] Public Way Grant Permit #:

1x1 Planned Development/Manufacturing PMD/PD#: 844 Zoning District: OTHER OtherTIME STAMP

TYPE OF SIGN: I | ADVERTISING \_i\ ILLUMINATE \_\ MOVEABLE [xl BUSINESS \-| FI

TOTAL STREET FRONTAGE OF LOT (IN FEET) 518

TOTAL AREA OF NEW SIGN (SQ.FT.) 220

TOTAL AREA OF ALL SIGNS ON LOT (SQ.FT.) 970

HEIGHT OF SIGN ABOVE GRADE (TO TOP) 62ft Oin

DISTANCE OF CURB LINE OUTER EDGE (ft) 12 DISTANCE OF STRUCTURISIGN CLERK APPROVED FOR PERMIT

DISTANCE FROM (ft): A. PUBLIC PARK (OVER 10 AREMARKS  
1,000 B. EXPRESSWAY (IF LESS THAN 1,000 FT.)  
RESIDENCE DISTRICT (ADVERTISING SIGNS ONL'

IF REPLACEMENT SIGN OR CHANGE OF FACE, WHAT DOES THE EXISTING SIGN READ?' Original Payee:

Landmark Hold: | | Status:

ZONING (OFFICE USE ONLY)

ES\_PERM\_APP\_WF.B RD0602J1

18" THICK BRICK BUILDING WALL

12 DEEP UPPER SIGN

10'-0" SIGN

**TENANT**

**TENANT**

**TENANT**

ELEVATION VIEW

SIDE VIEW

DESIGN WIND LOAD: 30.0 PSF Based on the Chicago Building Code 16 (13-52-310) (f) Ia.

DESIGN SNOW LOAD: 25.0 PSF Based on the Chicago Building Code 16 (13-52-280) (a) for flat roofs.

NOTE:

All electrical to be in accordance with U.L., the NEC and local code.

SITE:

Life Storage

1030 West North Avenue Chicago, Illinois

A 26 Nov 13 RELEASED FOR PERMITTING

J. HOGAN

REV DATE DESCRIPTION

APPROVED

**Robert-James & Associates, Inc.**

12255 West 187th Street, Mokena Illinois 60448-9737

phone: 708-479-8385 fax: 708-479-8395 email: rjo37ecomcost.net <<http://rjo37ecomcost.net>>

22'-0" x 10'-0" SINGLE FACE SIGN MOUNTED TO BUILDING WALL

13 SOU DRAWING NUMBER SHEET REV.

^ NONE | 1 | 1 OF 2 | A