

TOTAL SQUARE FOOT AREA: 150 feet

Alderman, 14th Ward

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.

Sign Permit Application

APPLICATION NUMBER

100528008

YES
DRAWINGS ATTACHED NO

type of sign FLAT OR BOX

ADDRESS OF SIGN

4537 S ARCHER AVE, 60632-

FT.

23

IN.

0

FT.

6

IN.

6

SQ.FT.

150

LBS.

500

type of permit NEW CONSTRUCTION (SIGN)

PAYER OF ANNUAL INSPECTION

STILLMAN, HOWARD

2917 WEST IRVING PARK ROAD CHICAGO, IL 60618

(773)737-4843

SIGN HEIGHT ABOVE GRADE/ROOF

shape of sign REGULAR

SIGN WILL READ

CAR OUTLET

FT.

32

SIGN MANUFACTURER

AD DELUXE SIGN COMPANY

TOTAL WATTAGE

4800

ADDRESS WHERE SIGN CAN BE SEEN PRIOR TO ERECTION

type of lamp FLUORESCENT

NO. OF BALLAST/TRANSFORMERS

8

INPUT OF TRANSFORMERS

120

EI Li

FEEDERS

CUSTOMER LEADS

SIGN BOARD SUPPORT MEMBERS

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

Check # for Zoning

500.00

Check # for DCAP

500.00

LOCATION OF SWTTCH OUTSIDE SIGN

SIGN LOCATION

FURNISH AND INSTALL 6'-6" X 23" DOUBLE FACE POLE SIGN ON TWO POLES 32" FROM GRADE TO BOTTOM OF SIGN, COPY WILL READ "CAR OUTLET"

The undeniued cwtifv thai the statements in this nnnhcutirm are true unci correct and that nit work done under the nronosed permit will conform to the miiiiremerrts of the Chiensn M imicinal Code

N92559

ELECT CONTR

FULLER-BURRELL ELECTRIC CONTRA

SIGN ERECTOR

AD DELUXE SIGN CO INC.

ADDRESS

1424 N. LUNA AVE. CHICAGO, IL 60651-

ADDRESS

23856 W ANDREW RD STE103 PLAINFIELD IL, 60585-

The permit issued on this application will authorize only signs here applied for. If other signs are to be erected they must be covered by additional permits

City of Chicago

Rahm Emanuel, Mayor

Department of Buildings Felicia Davis, Commissioner

pcou apd wen nnsroi i

TYPE OF BUSINESS COMMERCIAL

Other: CAR DEALERSHIP

SIGN BOND REQUIRED?

j_J YES

Name: 4537 S ARCHER AVE

COUNCIL ORDER REQUIRED

[x] YES

UCU: 66905

IS SPECIAL PERMISSION REQLRED FROM CHIEF ELECT LETTER OF REQUEST

Renewal Date:

Projects Over: [jj] Private Property fY]publicWay Grant Permit #: 1110394

[3 Planned Development/Manufacturing PMD/PD#: Zonine District: CI Other: TIME STAMP

TYPE OF SIGN: [xl ADVERTISING fx] ILLUMINATE Q MOVEABLE C~j BUS

TOTAL STREET FRONTAGE OF LOT (IN FEET) 100

TOTAL AREA OF NEW SIGN (SQ.FT.) 150

TOTAL AREA OF ALL SIGNS ON LOT (SQ.FT.) 150

HEIGHT OF SIGN ABOVE GRADE (TO TOP) 38ft 6in

DISTANCE OF CURB LINE OUTER EDGE (ft) 19 DISTANCE OF S SIGN CLERK APPROVED FOR PERMIT

DISTANCE FROM (ft): A. PUBLIC PARK (OVERREMARKS 1,000 B, EXPRESSWAY (IF LESS THAN 1,000 I DISTRICT (ADVERTISING SIGNS ONLY)

IF REPLACEMENT SIGN OR CHANGE OF FACE, WHAT DOES THE EXISTING SIGN READ? Original F

Landmark Hold: 1 1 Status:

ZONING (OFFICE USE ONLY)

E<5 PROM 4PP wpnnrviAmii

CITY OF CHICAGO DEPARTMENT OF ZONING AND LAND USE PLANNING SIGN SITE PLAN (ALL INFORMATION MUST BE COMPLETED AND LEGIBLE).

SteAddress: H&SH S AkCV&& f\QB CWjftCJ^E. IftirXL 1 of 1

_Rep Name: _

Phone &^ &le -t^k?c\ EXT fgefore BaiMns. streets and location of sitm an lot or structured

North

West

SIGN USE: . Bus. ID (On^ernise) Business Law &

Arlw

X

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Jnuse'

PERMIT TYPE; New Construction Change of Face Previous Perm&ft

TOTAL SQUARE FOOTAGE:

South .

TYPE OF SIGN:

Flat Wall ;

Freestanding

Awning

Marquee

*High Rise Building Projecting Private Projecting Public Way Pubtie Way Use-Permit**

.mow! •

ISO

□ □ □ □ □ □

SIGN CHARACTERISTICS: Nc^ niurmnated □ murninated

□ . □ □

DISTANCE FROM:

Curh line:

Expressway, Toll Roads or Major Rome (n/a if over 1000 Park (over 10 acres)! ResideartialZone

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on

same side of street: UQ

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Map Constructed on Mon Jan 20 06:38:07 CST 2014

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01/09/2014 -Stan Adams

DBA Name

Location Zip Code Account Number Site Number Area

Permit Type Permit Number

4537 S. ARCHER. LLC

4537 S.ARCHER AVE.

60632

66905

13

PERMIT

SIGN

1110394

Next steps: Department of Buildings - Permit process for signs

Your Public Way Use permit number is shown above. This number is to be used for each item on your DOB application and is needed for the Buildings (DOB) online sign application located @ www.cityofchicago.org/buildings <<http://www.cityofchicago.org/buildings>>. AH signs, canopies, banners, marquees and awnings require a buildings permit Only a licensed sign erector may apply for the Buildings permit online. The Buildings permit application will ask for the Public Way Use permit number supplied above. For additional information please contact the Buildings Department at (012) 744-3400.

Please return the completed Public Way Use application to City Hall -121 N. LaSalle Street, Chicago, IL 60602 Room 800. The completed application package must include a copy of the completed DOB application and the Public Way Use application. The Public Way Use application must contain the Alderman's signature, site plans on 8 1/2 X11 paper, photos of the item(s), the signed Acceptance letter and a copy of the insurance certificate. For additional information please contact BACP at (312) 74-GOBIZ (312-744-6249).

Created on: 12/26/2013 4:19 P.M.

4537 S ARCHER AVE

Zoning

- | Business
- [I Commercial
- | Manufacturing
- | Residential
- !.. | Planned Development
- [!.. | Planned Manufacturing
- | Downtown Core .
- K- i | Downtown Service
- | Downtown Mixed
- | Downtown Residential

I Transportation [~H Parks & Open Space n Zoning Boundaries

Historic Preservation CHICAGO LANDMARKS |^| Chicago Landmarks . |5^|J Landmark Districts

Chicago Historic Resources Survey - Buildings subject to Demolition-Delay Ordinance

! Red . Orange .

! Water

\ Cemetery

y|Sy| Lakefront

Pedestrian Streets

Buildings r*~I Parcels

Streets

Curbs

I Forest Preserve Aerials (April 2008)

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g] S3

4537 S ARCHER AVE

130B

©ft?

ARCHER AVE

mx® 1

2650 W. 51st Street

{ Close Window }

City of Chicago Online-Permits

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Building.

Online- Permits 3: Trade License Renewals

Portal Services

Online Permits Aopiy For Permit View My Applications Manage My Eplans View My Payments Update Account Check Application Stains Logout

f. / ■■■■///

This bound document has been specifically prepared by a Licensed Structural Engineer: Each detail attached herein has been reviewed by a Licensed Structural Engineer who is responsible for the designs.

This bound document is exclusively for the client listed below:

Ad Delux Sign Co. CALCULATIONS Mr. John Miller, primary contact 23856 W. Andrew Rd., Ste. #103 Plamfield, IL 60585-8770

JOB NAME: Car Outlet Sign Chicago, Illinois

JOB File #: MC# 114004

I hereby verify that this document was prepared by me or under my direct supervision and that I am a duly Licensed Structural Engineer.

THESE DESIGNS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION

License Expires 1149-2014

This document is permanently bound. The staples used must not be removed. If any modifications are made, this sealed document is no longer valid.

93Q Pitner Avenue, Suite #7 • Evanston, Illinois 60222

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Loads: LC 4, Service: D+W
Results for LC 1,1.4D

Car Outlet Sign Post Member and joint labels with applied loads

Column: M1

Shape: HSS14x0.5 Material: A500Gr.42 Length: 38.5 ft I Joint: IM1 J Joint: N2
LC 2:1.2D+1.6Wx +1.4 NLX Code Check: 0.547 (bending) Report Based On 97 Sections

4.564 at 0 ft

.058 at 38.5 ft

145.249 at 0ft

k-ft

26.934 at 0 ft

.248 at 0ft

-26.934 at 0ft

AISC 13th(360-05): LRFD Code Check Direct Analysis Method

Max Bending Check 0.547

Location 0 ft

Compact Compact

Equation H1-1b

Bending Flange Bending Web

0.020 (s)

0ft
U42

Non-Slender Non-Slender

Fy	42 ksi			
phi*Pnc	421.996 k	Lb	38.5 ft	38.5 ft
phi*Pnt	748.44 k	KL/r	96.589 96.589	
phi*Mny	268.38 k-ft			
^JX™	iS'SJ'?	LComp Flange	38.5 ft	
P?n/ny	!JJ_5J	Warp Length NC		
phi*Tn	252.901 k-ft	Tau ^ 1		
Cb	1 ~*			

Column: M1

Shape: HSS14x0.5

Material: . A500 Gr.42

Length: = 38.5 ft

I Joint: N1

J Joint: N2

LC 4: Service: D+W

Code Check: 0.340 (bending)

Report Based On 97 Sections

2.835 at 0 ft

.018 at 38.5 ft

89.912 at 0ft

k-ft

16.672 at 0ft

.207 at 0 ft

-16.672 at 0ft

Max Shear Check Location Max Defl Ratio

0.013 (s)

0ft

L/85

0.340 0ft H1-1b

Compact Compact

AISC 13th(360-05): LRFD Code Check

Bending Flange Bending Web

Max Bending Check Location Equation

Compression Flange Non-Slender Compression Web Non-Slender

Fy	42 ksi		y-y z-z	
phi*Pnc	421.996 k	Lb	38.5 ft	38.5 ft
phi*Pnt	748.44 k	KL/r	96.589	96.589
phi*Mny	268.38 k-ft			
phi*Mnz	268.38 k-ft			
phi*Vny	224.532 k			
phi*Vnz	224.532 k			
phi*Tn	252.901 k-ft			
Cb	1 **			

Warp Length NC

Moshe Calamarp & Associates Structural Engineers

,930Pitner Ave.; Ste. #7, Evanston, IL 60202 Phone: (847) 7334)015 Fax: (847) 733-0018

© Moshe Calamaro & Associates

Job: Car Outlet Sign

MC# 114004 .

Calc by: CJG. Date: 1/15/2014
Check by: Date:

Pier Embedment based on IBC 20061805.7.2.1

261Z lftOT 3. 2. - I

-Minimum pier for sign columns?

P= M=

equiv. h= A=f

lbs
lb-ft
ft

2819
. 89912.0
31:89

2187|

Total d= 11.52 ft

b=
Trial d= Lateral Bearing S,=

ft ft
psf/ft fraoeiez. 2,ODD psT So/l

{TO j*_f ~E =- 300 p_f fa-^ X©_- -2.612. 4al> <*?

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ProfTs Anchor 2:4.5

Company: Specifier -Address: . Rhone | Fax: ETMail: ;
Moshe Calamaro and Associates, Inc. C.JG
930 Pitner Avenue Suite #7 (847) 733-0015 | (847) 733-0018 ; moshe@moshecal.com <mailto:moshe@moshecal.com>

Project
Sub-Project | Ros. No.: Date: . •

Car Outlet Sign
114004
1/15/2014

Specifier's comments:

Heavy Hex Head ASTM F1554 GR. 36 1 1/4

$h_{e1} = 24.000$ in. ASTM F 1554

design method ACI 318-08 / CIP $e_b = 0.000$ in. (no stand-off); $t = 0.750$ in.

$L, x lyX t = 22.000$ in. x 22.000 in. x 0.750 in.; (Recommended plate thickness: not calculated) S shape (AISC); ($L \times W \times T \times FT$) = 3.000 in. x 2.330 in. x 0.170 in. x 0.260 in. cracked concrete, 2500 , $f_c' = 2500$ psi; $h = 420.000$ in. tension: condition B, shear condition B; edge reinforcement: none or < No. 4 bar no

$2^{\wedge} - 53.7 + Z'' co \sim - + _r - ?.Y'$

.§75" = W
i"

Profis Anchor 2.4.5

Company: Specifier. Address: Phone | Fax: E-Mail:
Moshe Calarriaro and Associates, Inc. C.JG :

930 Pitner Avenue Suite #7 (847)733-00151(847)733-0018 mpshe@moshecal.com <mailto:mpshe@moshecal.com> . .
Page: Project Sub-Project | Date:!

Cat Outlet Sign-
114004
1/15/2014

2 Load case/Resulting anchor forces

Load case: Design loads

Anchor reactions [Kip]

1 2 3 4 5 6 7 8

0.566 0.566 0.566 0.566 0.566 0.566 0.566 0.566

0.566 0.566 0.566 0.566 0.566 0.566 0.566 0.566

0.40 [%] 1721 [psi] 104.314 (kip) 107.994 [kip]

Tension force: (+Tension, -Compression)

Anchor Tension force Shear force

27.883 10.332 0.000 27.883 0.000 27.883 10.332 0.000

max. concrete compressive strain: max. concrete compressive stress: resulting tension force in (x/y)=(-7.217/0.000): resulting compression force in (x/y)=(9.099/0.000):

3 Tension load

Load N_ [kip]

67 90 70 N/A

Capacity »N_s [kip] Utilization B_n = N /+N_n

27.883 42.151

27.883 31.318

104.314 149.698

N/A N/A

'anchor group (anchors in tension)

Status

OK OK OK N/A

»N_M[kip]

42.151

3.2 Pullout Strength

N_{jj}[kip]

44.740

d»N_{pn}[kip] 31.318

3.3 Concrete Breakout Strength

5184.00

\\ed.N

0.952

Anc[in.²]

Ancq[in.²]

7290.00 e_c.N [in.]

1.817

0.700

N_s[kip] 159.750

<V_{min} ["]

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ifrN_{cba} [kip] 149.698

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N_{ua}P<ip] 104.314

Loads:
Service:
D+W
for
1,1.4D

LC

4,
Results
LC

Moshe Calamaro and Ass.,

Car Outlet Signet £>^f"<

114004 Pipe01.r3d

Beam: Outrigger

Shape: PIPE_4.0

Material: AS3 Gr.B

Length: 23 ft

I Joint N1

J Joint: N2

LC2:1.2D+1.6WX

Code Check: 0.608 (bending)

Report Based On 97 Sections

.755 at 14.615 ft

Vz

-1.315 at 14.615 ft

5.607 at 14.375 ft

25.6 at 14.375 ft

ksi

-25.6 at 14.375 ft

AISC Method	13th(360-05):	LRFD	Code	Check	Direct	Analysis
Max Bending Check	0.608					
Location	14.375 ft					
Equation	H1-1b					
Bending Flange	Compact					
Bending Web	Compact					
Max Shear Check	0.054 (s)					
Location	8.385 ft					
Max Defl Ratio	L7122					
Compression Flange	Non-Slender					
Compression Web	Non-Slender					
Fy	35 ksi					
phi*Pnc	20.226 k	Lb	23 ft	23 ft		
phi*Pnt	93.24 k	KL/r	181.829	181.829		
phi*Mny	10.631 k-ft					
Ehnm?	££!<*	L Comp Flange	23 ft			
phPTn	10.011 k-ft	^_b^ue	ft			
CD	1 -					

Beam: Outrigger

Shape: PIPE_4.0
 Material: AS3 Gr.B
 Length: 23 ft
 I Joint Ni
 J Joint: N2
 LC 4: Service: D+W
Code Check: 0.415 (bending)
 Report Based On 97 Sections

.63 at 14.615 ft

Vy

-0.822 at 14.615 ft

2.684 at 8.625 ft

17.476 at 8.625 ft

ksi

-17.476 at 8.625 ft

Max Shear Check
Location
Max Defl Ratio
0.037 (s) 14.615 ft U196

AISC 13th(360-05): LRFD Code Check Direct Analysis Method

Max Bending Check 0.415

Location 8.625 ft
Bending Flange Bending Web
Equation H1-1b

	Compact Compact		Compression Flange Non-Slender Compression Web Non-Slender
Fy	35 ksi		y-y z-z
phi*Pnc	20.226 k	Lb	23 ft 23 ft
phi*Pnt	93.24 k	KL/r	181.829 181.829
phi*Mny	10.631 k-ft		
KJ ^{nZ}	JS-SJ ^{ift}	LComp Flange	23 ft
SvE	27 97^	Warpfength ⁹	NC

Cb 1 -

Btl 14D04-MC car Outlet Blon chicaoM 14DQ4 OKA details - Ocnrcal structural KoTtp.pwo - Plotted QI-16-2QU av bharlcb diqvannctli

32'-0"

□ !!

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SIGN ELEVATION

NEW SIGN CAR OUTLET CHICAGO, ILLINOIS

S-M 14004-MC Car Outlet Sign Chicago UOD4 SK2 DETAILS.Dwg - Plotted D1-16-JQ14 by charid giovannini

OS;
*5

DETAILS

NEW SIGN CAR OUTLET CHICAGO, ILLINOIS

MOSHE CALAMARO

& Associates, Inc. Structural Engineers

gaa pithor avcnuc, aurtc #7 • cvanbtan. Illinois Aasoa

133409 • IS471 TM OOS ni. 11 M# 11. 111

B11 14004-MC CAR OUTLET SIGN CHICAGO UOD4 SK2 DETAILS - GENERAL STRUCTURAL NOTES.DWG - PLOT

BZO 1.0

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DETAILS - GENERAL STRUCTURAL NOTES

NEW SIGN CAR OUTLET CHICAGO, ILLINOIS