

Meeting: 2/17/2021
Project: Marriott Hotel Signs
Applicant: Anthony Saffles

Property Information

Location: 525 Henley St. **Parcel ID** 94 L J 001
Zoning: DK (Downtown Knoxville)
Description: Existing hotel complex with adjacent Worlds Fair Exhibition Hall extending along Worlds Fair Park on w

Description of Work

Level I Sign

Sign package for Marriott Hotel and Makers Market.

Four signs demonstrate the Marriott logo in illuminated channel letters. The south elevation, fronting Clinch Avenue, features two signs. Lower-level sign is located on a new plinth, featuring illuminated channel letters with the Marriott logo and measuring approximately 10'-9" wide and 6'-4" tall. A second sign is located on the primary massing of the building, between the 7th and 8th story of the hotel, attached to the wall. Illuminated channel letters measure 21'-6" wide and 12'-9" tall.

On the north elevation, a matching 10'-9" wide by 6'-4" tall illuminated channel letter sign is located on the opposite side of the new plinth. A second 21'-6" wide by 12'-9" tall illuminated channel letter sign is attached to the building around the 11th story of the hotel.

This application also includes signage for the Makers Market on the Worlds Fair Exhibition Hall section (west elevation). This includes an 8' tall, 10' wide logo sign adjacent to an approximately 33' long by 3' wide illuminated channel letter sign reading "Makers Market." Two 18'-8.5" wide, flat-roof awnings will be centered on the two storefront entries, with approximately 11' wide by 1' tall non-illuminated awning signs (letters spelling Makers Market) above (one on each awning).

Applicable Design Guidelines

Downtown Knoxville Design Guidelines

3. Recommended Signs: Signs within downtown Knoxville are regulated by Article 13 of the zoning ordinance. These guidelines for the Boulevard District recognize that certain types of signs are more appropriate to specific areas and should be encouraged within these areas.

3a. Wall signs, mounted flush to the building façade or on the building's sign board.

3b. Monument sign

Comments

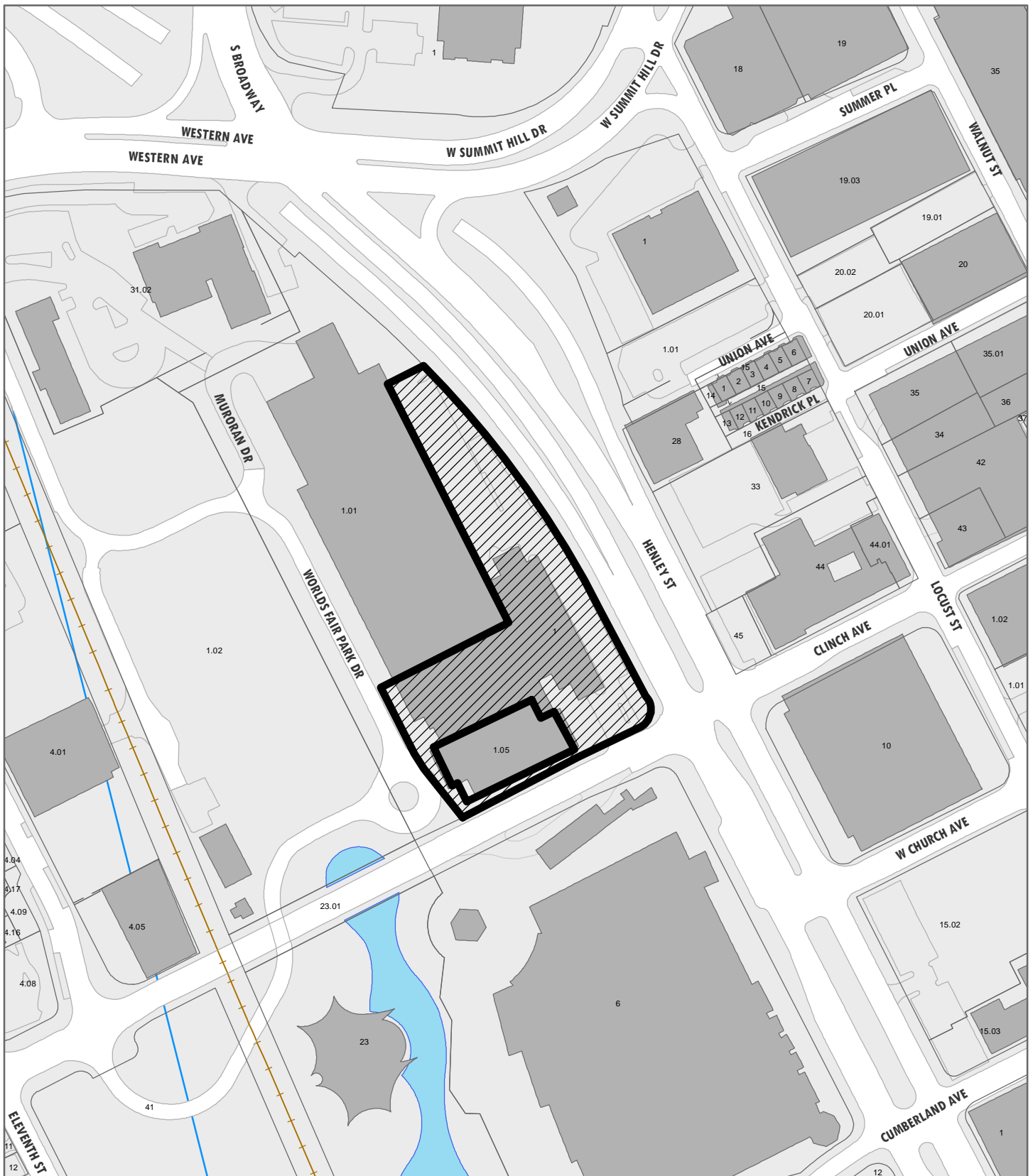
Overall, the proposed sign package meets the design guidelines. The proposed signs include attached wall signs, mounted flush to the building's exterior elevations, and an attached sign on the plinth (which was previously reviewed and approved by the Board in March and September 2020 to serve as part of the porte-cochere entry). The signs are large but appropriately sized for the building's height and massing, and their placement will aid in visibility from the various elevations of Henley Street and Clinch Avenue.

The Makers Market signs on the Worlds Fair Exhibition Hall are appropriately sized for the building and their design will be sufficiently differentiated from the Marriott Hotel.

Per 13.9.F.1.b of the City Zoning Ordinance, the total signage area cannot exceed 10% of the wall area of the primary building elevation (the frontage along Henley Street). Applicant should confirm that all signage (including both Marriott and Makers Market signs) in total sign area does not exceed 10% of the wall area of the Henley Street elevation.

Recommendation

Staff recommends approval of Certificate 2-A-21-DT as submitted, with the condition that the proposed signs meet City Zoning requirements for total signage area (not to exceed 10% of the wall area of the Henley Street elevation).



2-A-21-DT

APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

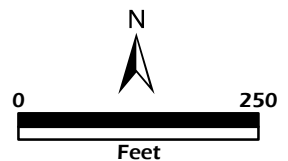
Petitioner: Anthony Saffles, Neon Services

**DOWNTOWN
DESIGN
REVIEW
BOARD**



525 Henley St.
Level 1: Sign

Original Print Date: 2/2/2021
Revised:
Knoxville/Knox County Planning · Downtown Design Review Board





DESIGN REVIEW REQUEST

- DOWNTOWN DESIGN (DK)
- HISTORIC ZONING (H)
- INFILL HOUSING (IH)

Marriott Hotel

Applicant

1-28-21

2-17-21

2-A-21-DT

Date Filed

Meeting Date (if applicable)

File Number(s)

CORRESPONDENCE

All correspondence related to this application should be directed to the approved contact listed below.

- Owner Contractor Engineer Architect/Landscape Architect

Tony Saffles

Neon Service CO, inc

Name

Company

1007 May Ave

Knoxville

TN

37921

Address

City

State

Zip

865-546-6251

tsaffles@aol.com

Phone

Email

CURRENT PROPERTY INFO

RB Hotel Knoxville LLC

4100 Gregent St c/o Rockbridge Capital

Owner Name (if different from applicant)

Owner Address

Owner Phone

525 Henley St

094LJ001

Property Address

Parcel ID

DK-B

Neighborhood

Zoning

AUTHORIZATION

Lindsay Crockett

1.28.21

Staff Signature

Please Print

Date

Tony Saffles

Digitally signed by Tony Saffles
DN: cn=Tony Saffles, o, ou,
email=tsaffles@aol.com, c=US
Date: 2021.01.28 08:47:02 -05'00'

Anthony Saffles

1-28-21

Applicant Signature

Please Print

Date

REQUEST

DOWNTOWN DESIGN

Level 1:

- Signs Alteration of an existing building/structure

Level 2:

- Addition to an existing building/structure

Level 3:

- Construction of new building/structure Site design, parking, plazas, landscape

See required Downtown Design attachment for more details.

Brief description of work: _____

HISTORIC ZONING

Level 1:

- Signs Routine repair of siding, windows, roof, or other features, in-kind; Installation of gutters, storm windows/doors

Level 2:

- Major repair, removal, or replacement of architectural elements or materials Additions and accessory structures

Level 3:

- Construction of a new primary building

Level 4:

- Relocation of a contributing structure Demolition of a contributing structure

See required Historic Zoning attachment for more details.

Brief description of work: _____

INFILL HOUSING

Level 1:

- Driveways, parking pads, access point, garages or similar facilities Subdivisions

Level 2:

- Additions visible from the primary street Changes to porches visible from the primary street

Level 3:

- New primary structure
 Site built Modular Multi-Sectional

See required Infill Housing attachment for more details.

Brief description of work: _____

STAFF USE ONLY

ATTACHMENTS

- Downtown Design Checklist
 Historic Zoning Design Checklist
 Infill Housing Design Checklist

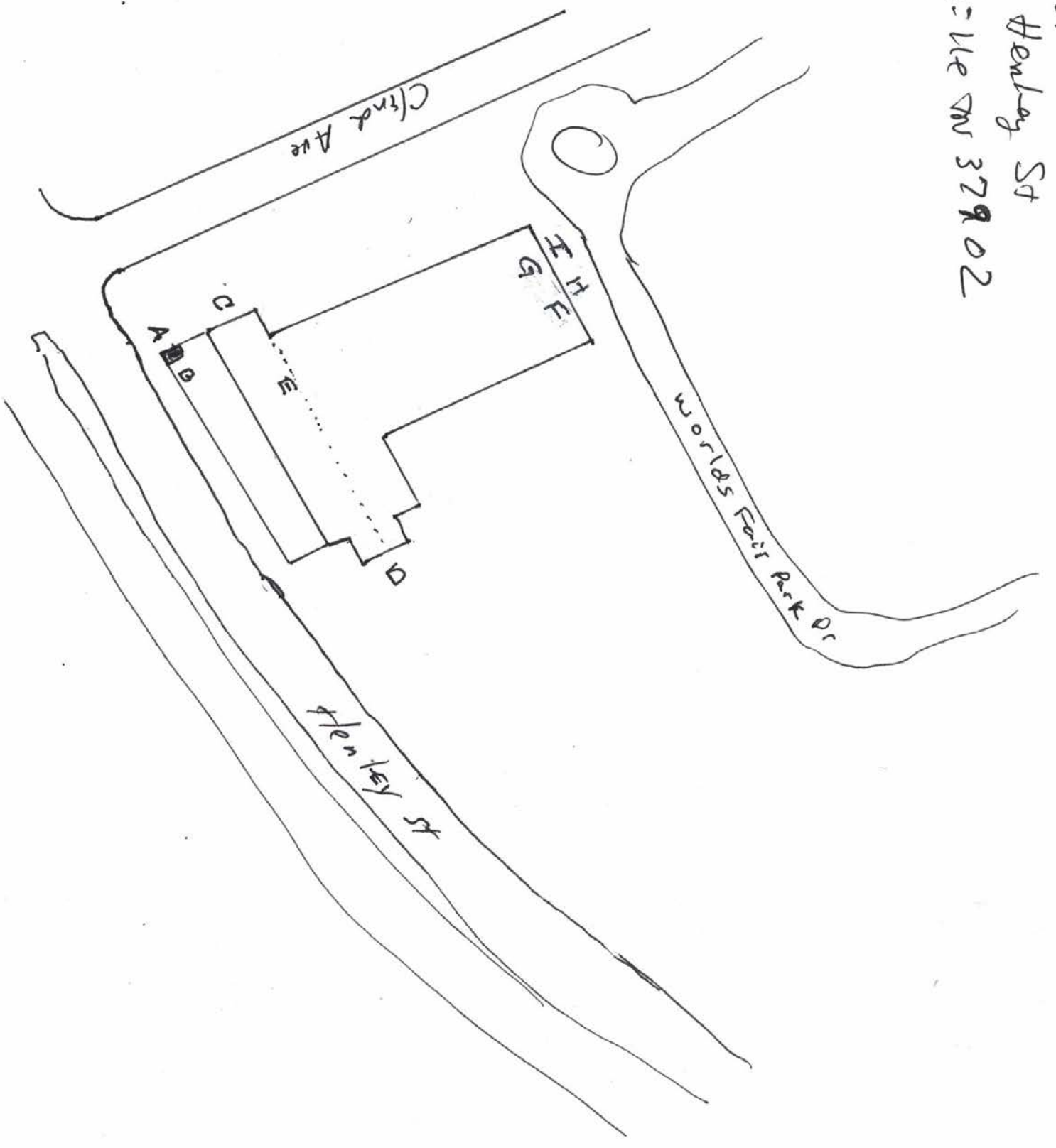
ADDITIONAL REQUIREMENTS

- Property Owners / Option Holders

Level 1: \$50 • **Level 2:** \$100 • **Level 3:** \$250 • **Level 4:** \$500

FEE 1:	50.00	TOTAL: 50.00
FEE 2:		
FEE 3:		

Marrist
525 Henley St
Knoxville TN 37902





MARRIOTT

CLIENT:	Marriott - Knoxville, TN
ADDRESS:	525 Henley Street Knoxville, TN 37902-2810
DATE:	8/24/2020
REVISION:	8/31/2020 M. Holman
DESIGNER:	M. Holman

CONTACTS	
SALES:	Betsy Ewart
PHONE:	865-500-4836
CELL:	865-254-3568
EMAIL:	bewart@pattisonsign.com
PM:	Mike Robinson
PHONE:	Direct: 8655004887 Toll Free: 1-866-635-1110 #4228
EMAIL:	mrobinson@pattisonsign.com



CITY OF KNOXVILLE SIGN PERMIT APPLICATION

Plans Review & Inspections
City County Building
400 Main Street, Suite 475
Knoxville TN 37902

LOCATION		PROPERTY OWNER	
Business Name _____	_____	Owner Name _____	_____
Street Address _____	_____	Street Address _____	_____
City, State, Zip _____	_____	City, State, Zip _____	_____
Subdivision/Shopping Center _____	_____	Phone Number _____	_____
CLT _____	Zoning District _____	Email Address _____	_____

APPLICANT INFORMATION		APPLICANT IS:		CONTACT	
Name _____	_____	Owner <input type="checkbox"/>	Name _____	_____	_____
Street Address _____	_____	Contractor <input type="checkbox"/>	Primary Phone _____	_____	_____
City, State, Zip _____	_____	Tenant <input type="checkbox"/>	Secondary Phone _____	_____	_____
Phone Number _____	_____	Other <input type="checkbox"/>	(describe): _____	_____	_____

PROJECT INFORMATION					
Description of Project:	New <input type="checkbox"/>	Temporary <input type="checkbox"/>	Remodel <input type="checkbox"/>	Maintenance <input type="checkbox"/>	Other <input type="checkbox"/>

PROJECT VALUATION \$ _____ (Includes materials, fabrication and installation costs)

NOTE	TEMPORARY SIGNS
If sign is to be illuminated or otherwise electrified DO NOT PROCEED with electrical work until electrical permit is obtained by a licensed electrical contractor per City of Knoxville Electrical Code Section 10.47.	Temporary Signs are restricted to one attached sign and one detached sign per business. Each sign shall not to exceed 48 s.f. in area. Temporary sign permits are valid for 15 days only.
Electrical Permit # _____	
Display Date From: _____ To: _____	

SIGN SCHEDULE							
1	Sign Type (Ground, Wall, Banner, Etc.)	Size (Dimensions)		Sign Area Sq Ft	Height Ft	Illuminated Y/N	MPC Approval COA
		Height	x Length				
1			x				
2			x				
3			x				
4			x				
5			x				
6			x				

SIGN TOTALS	SETBACKS (GROUND SIGNS)	PRIMARY BLDG ELEVATION
_____ Sq Ft of Existing Signs	_____ Front	_____ Height of Primary Bldg Elevation
_____ Sq Ft of Proposed Signs	_____ Right	_____ Width of Primary Bldg Elevation
_____ Sq Ft of Total Signs	_____ Left	_____ Sq Ft of Primary Bldg Elevation
_____ Maximum Allowed	_____ Rear	
	_____ To Curb	

The applicant of this permit does hereby covenant and agree to comply with the ordinances of this jurisdiction pertaining to said building and site, and to construct the proposed signs in accordance with the plans and specifications submitted herewith, and certify that the information and statement given on this application, drawings, and specifications are to be the best of their knowledge, true and correct. It is understood and agreed by the applicant that any error, misstatement, or misrepresentation of the fact, either with or without intention on his part, such as might, if known cause a refusal of this application or any alternative or change in plans made without approval of the Sign Inspector subsequent to the issuance of the sign permit shall constitute sufficient grounds for revocation of such permit and the outdoor advertising device will be declared illegal.

THIS APPLICATION EXPIRES 6 MONTHS FROM DATE OF SUBMITTAL

- Fees must be paid at the time of submittal.
- Fees are calculated at \$75.00 base fee plus \$5.00 per \$1,000 or fraction thereof of total project valuation.
- TWO (2) COMPLETE SETS OF PLANS AND SIGN DESIGN DETAIL MUST ACCOMPANY ALL APPLICATIONS.**

APPLICANT'S SIGNATURE _____ DATE _____

242'-0"

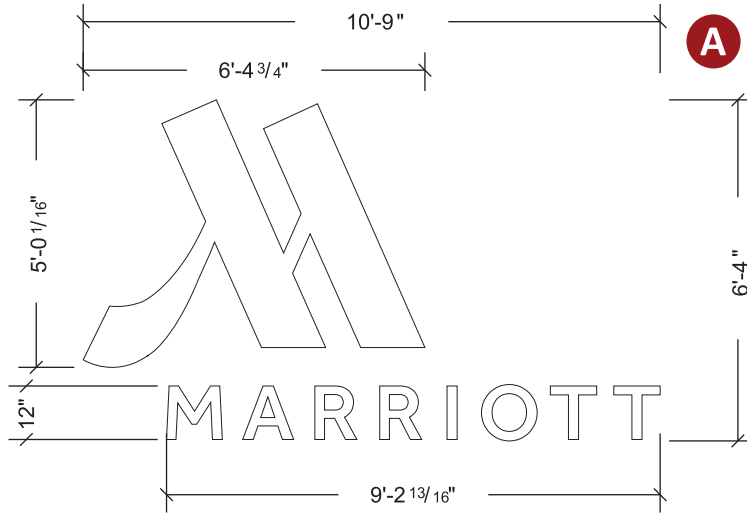
85'



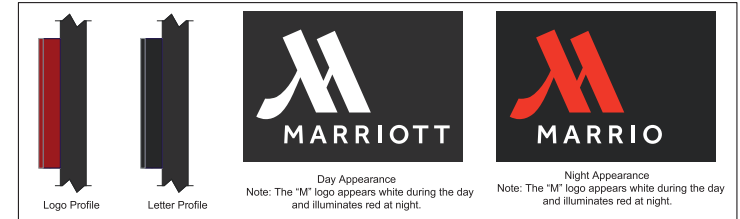
CLIENT: Marriott - Knoxville, TN
ADDRESS: 525 Henley Street
Knoxville, TN 37902-2810

A 5' Channel Letters--South Elevation--Lower portion

For Dark Building Applications Only
67.73 SQFT

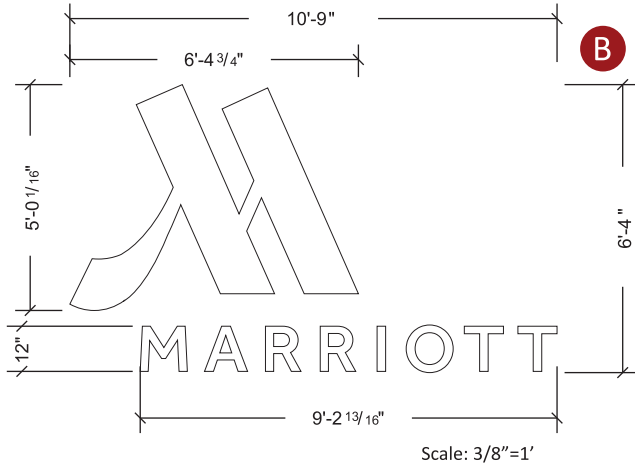


Scale: 3/4"=1'



B 5' Channel Letters - North Elevation - Lower Portion

For Dark Building Applications Only
67.73 SQFT



Specifications

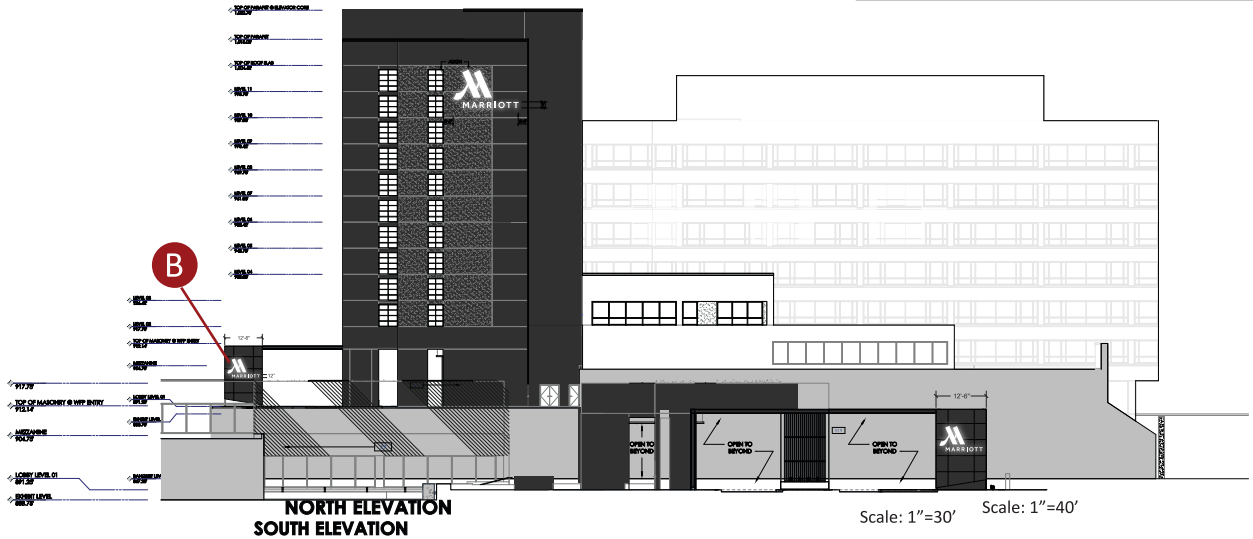
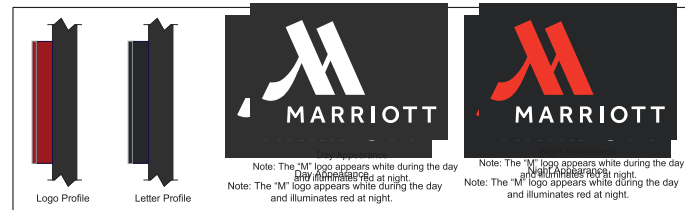
Supply: Install New Illuminated Channel Letters

Channel Letter Specifications:

Construction: 3" deep .050" thick aluminum channel letter with .063" aluminum backs
Face Material: 3/16" 7328 white acrylic with 1st surface film decoration
Trim Cap Retainers: 1" black trim cap used on letters
1" trim cap painted Matthews MP08937 red on logos smaller than 7'-0" in height
3/4" routed aluminum retainer used on logos 7'-0" in height and larger
Illumination: "M" logo illuminated with GE red LED's and "Marriott" copy illuminated with GE white LED's

Color Specifications:

- Letter exterior, trim cap, retainer:
 - Matthews MP08937 satin red
 - Black
- Face:
 - 3/16" 7328 white acrylic
- Film Decoration:
 - 3M 3630-2382 translucent red film (2nd surface)



Project ID

MR2-34439

Date: 8/24/2020
Scale: as noted
Sales: B. Ewart
Designer: M. Holman

Rev. :
Date:

Revision Note:

Conceptual

Information Required:

Master

Electrical

120V 347V

Other _____

Customer Approval

Signature _____
MM/DD/YYYY

It is the Customer's responsibility to ensure that the structure of the building is designed and constructed to accept the installation of the signs being ordered. Please ask PSG to provide further details if required.

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34439
Marriott
525 Henley Street
Knoxville, TN 37902-2810

Sign Item

South Elevation



520 W Summit Hill, Suite 702, Knoxville TN, 37902
(Toll Free) 1.866.635.1110 (Fax) 1.888.694.1106
www.pattisonsign.com



This sign to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

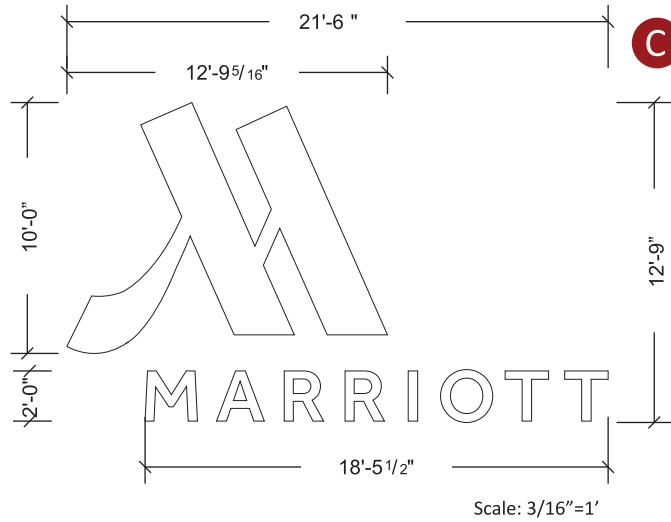


Fluorescent, Neon and HID lamps contain Mercury (HG). Dispose of the lamps according to Local, Provincial, State or Federal Laws.

C

MAR CL 10 - South Elevation - Upper Portion

For Dark Building Applications only
274 SQFT



Specifications

Supply: Install New Illuminated Channel Letters

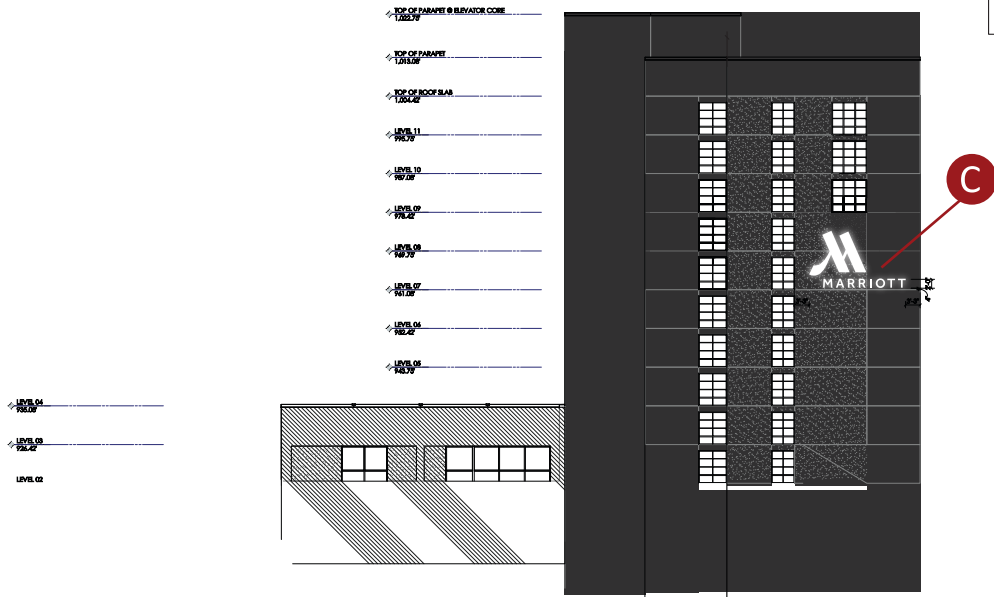
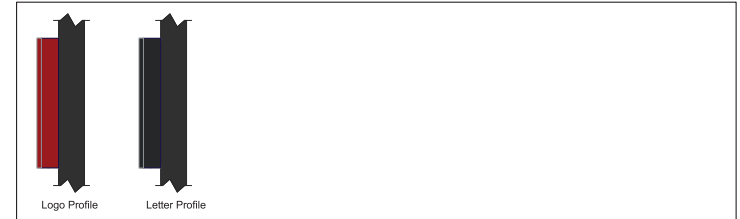
Channel Letter Specifications:

Construction: 3" deep .050" thick aluminum channel letter with .063" aluminum backs
 Face Material: 3/16" 7328 white acrylic with 1st surface film decoration
 Trim Cap Retainers: 1" black trim cap used on letters
 1" trim cap painted Matthews MP08937 red on logos smaller than 7'-0" in height
 3/4" routed aluminum retainer used on logos 7'-0" in height and larger
 Illumination: "M" logo illuminated with GE red LED's and "Marriott" copy illuminated with GE white LED's

Color Specifications:

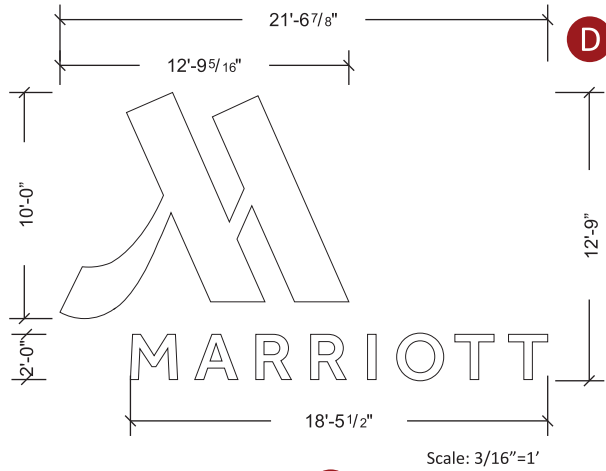
Letter exterior, trim cap, retainer:

- Matthews MP08937 satin red
- Black
- Face:
3/16" 7328 white acrylic
- Film Decoration:
■ 3M 3630-2382 translucent red film (2nd surface)

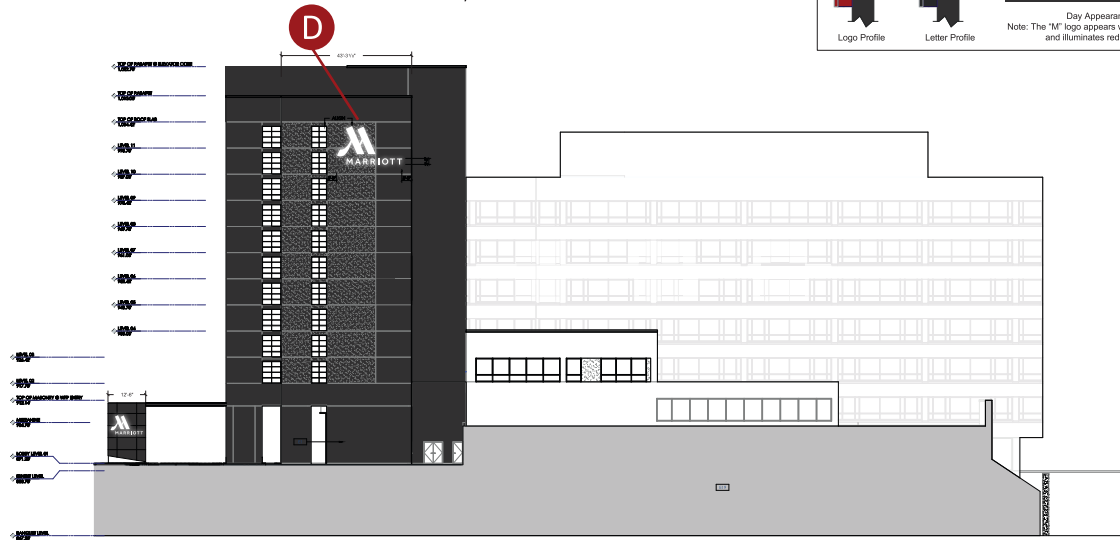


D MAR CL 10 - North Elevation - Upper Portion

For Dark Building Applications only
275 S . Ft.



Scale: 3/16"=1'



NORTH ELEVATION

Specifications

Supply Install New Illuminated Channel Letters

Channel Letter Specifications:

Construction: 3" deep .050" thick aluminum channel letter with .063" aluminum backs
Face Material: 3/16" 7328 white acrylic with 1st surface film decoration
Trim Cap Retainers: 1" black trim cap used on letters
1" trim cap painted Matthews MP08937 red on logos smaller than 7'-0" in height
3/4" routed aluminum retainer used on logos 7'-0" in height and larger
Illumination: "M" logo illuminated with GE red LEDs and "Marriott" copy illuminated with GE white LEDs

Color Specifications:

- Letter exterior, trim cap, retainer:
 - Matthews MP08937 satin red
 - Black
- Face:
 - 3/16" 7328 white acrylic
- Film Decoration:
 - 3M 3630-2382 translucent red film (2nd surface)



Day Appearance
Note: The "M" logo appears white during the day and illuminates red at night.

Night Appearance
Note: The "M" logo appears white during the day and illuminates red at night.

Project ID
MR2-34439

Date: 8/24/2020
Scale: as noted
Sales: B. Ewart
Designer: M. Holman

Rev. :
Date:

Revision Note:

Conceptual

Information Required:

Master

Electrical

120V 347V
 Other _____

Customer Approval

Signature
MM/DD/YYYY

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Marriott
525 Henley Street
Knoxville, TN 37902-2810

Sign Item
North Elevation

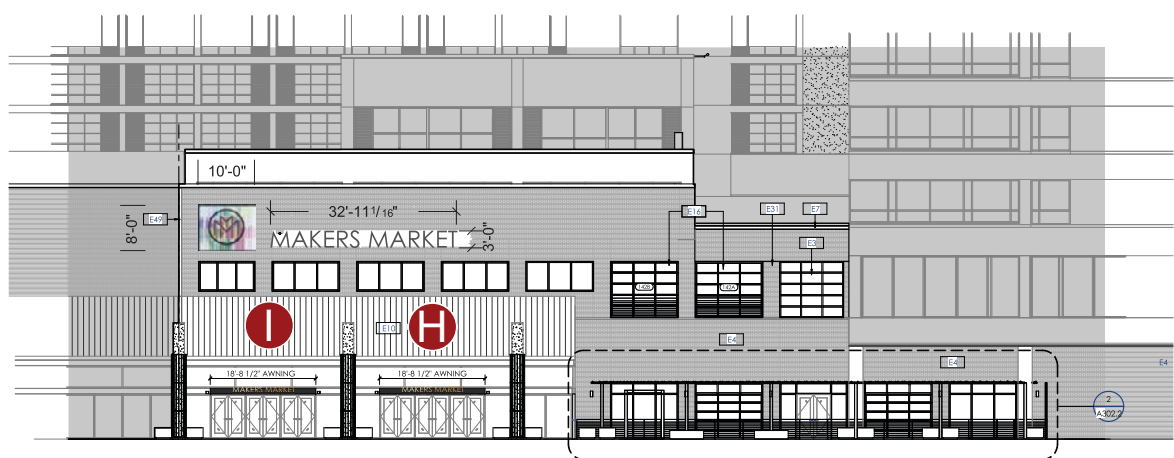
H Custom Non-Illuminated Letters- West Elevation

I 12" Non-illuminated "MAKERS MARKET" letters on mounted on entrance canopy on 3" Black raceway under each letterset. QTY 2



Specifications

#####



WORLD'S FAIR EXHIBIT HALL
KNOXVILLE MARRIOTT CONVERSION
McCARTY HOLSAPLE McCARTY STONEHILL TAYLOR

Project ID
MR2-34439-R6

Date: 8/24/2020
Scale: as noted
Sales: B. Ewart
Designer: M. Holman

Revision Note:
24" non-illuminated, pin
Sign B should be non-illuminated.
Also show a 3" black raceway
canopies. Each set needs a small
3" black raceway under each

Conceptual

Information Required:
Final dimensions subject to
site survey and/or technical
Need Architect Drawings.

Master

Electrical

120V 347V
 Other _____

Signature _____
MM/DD/YYYY _____

It is the Customer's responsibility to ensure that the structure of the building is designed and constructed to accept the installation of the signs being ordered. Please ask PSG to provide further details if required.

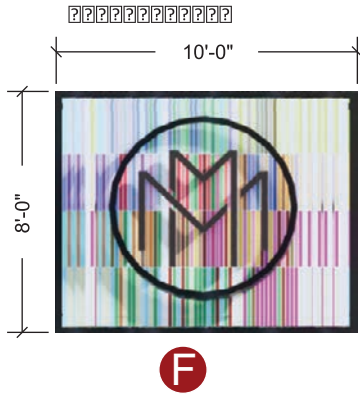
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34439
525 Henley Street
Knoxville, TN 37902-2810

Sign Item

F Custom Wall Sign -West Elevation

G Custom Channel Letters-West Elevation

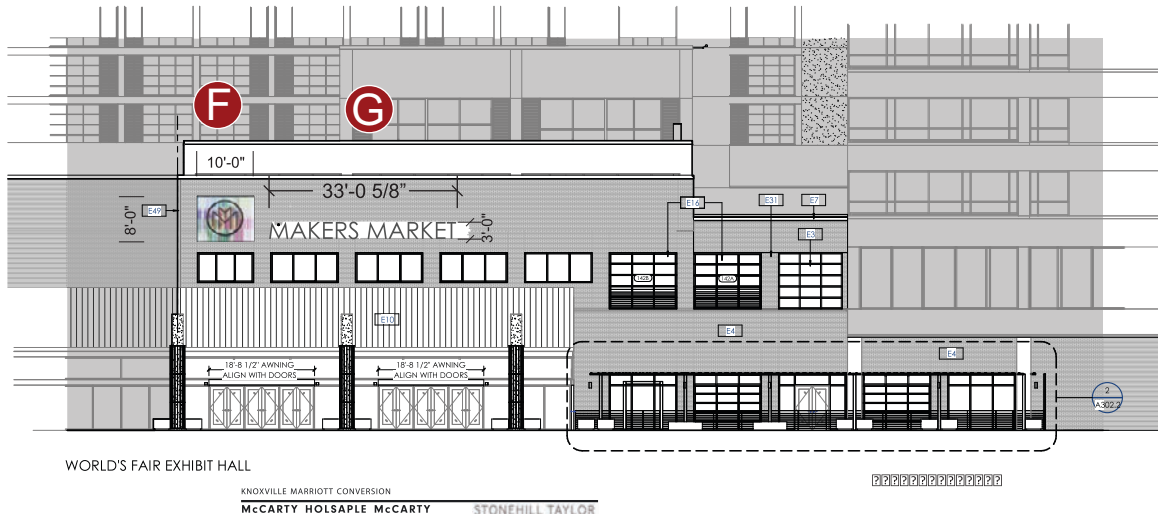


Specifications

White Acrylic #2447
 Perforated Vinyl
 Flex Face Digital Print Face Mounted
 Font: Century Gothic Regular

Colors

- White Acrylic #2447
- Perforated Vinyl



Project ID
 D??????????

Date: 8/24/2020
 Scale: as noted
 Sales: B. Ewart
 Designer: M. Holman

Revision Note:
 • Sign #A: Change to 5' X 12' to 12' high and incorporate the new artwork to 12' high.
 • Sign D: Change the logo size to 8' X 10'.

Conceptual

Information Required:
 Final dimensions subject to site survey and/or technical

Master

Electrical

120V 347V
 Other _____

Signature _____
 MM/DD/YYYY _____

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34439
 D??????
 525 Henley Street
 Knoxville, TN 37902-2810

Sign Item
 t??????????

F

G



H

I

Project ID

D??????????

Date: 8/24/2020
Scale: as noted
Sales: B. Ewart
Designer: M. Holman

11/12/2020

Revision Note:
24" non-illuminated, pin
Sign B should be non-illuminated.
canopies. Each set needs a small

Conceptual

Information Required:
Final dimensions subject to
site survey and/or technical

Master

Electrical

120V 347V
Other

Signature

MM/DD/YYYY

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34439
525 Henley Street
Knoxville, TN 37902-2810

Sign Item

t??????????

only and may not accurately represent the scale of the proposed signage to the building. A site survey is required.



520 W Summit Hill, Suite 702, Knoxville TN, 37902
(Toll Free) 1.866.635.1110 (Fax) 1.888.694.1106
www.pattisonsign.com



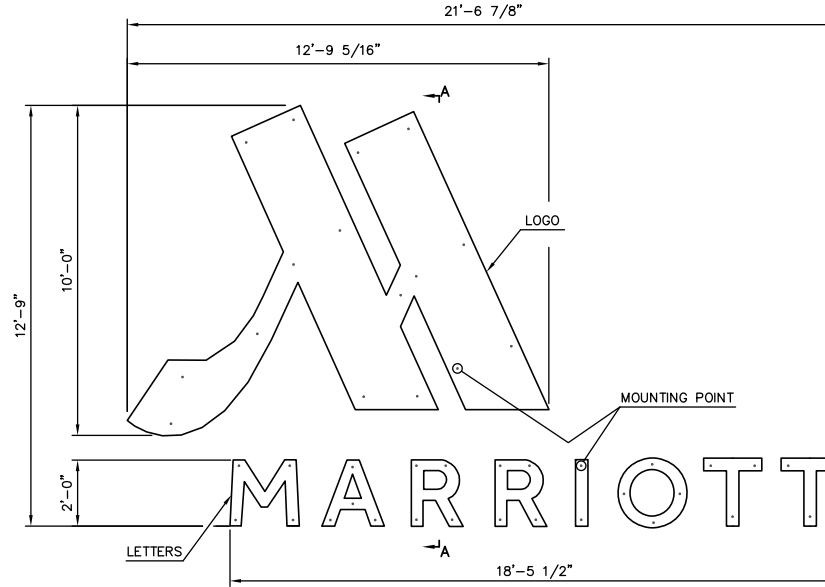
This sign to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.



Fluorescent, Neon and HID lamps contain Mercury (HG). Dispose of the lamps according to Local, Provincial, State or Federal Laws.

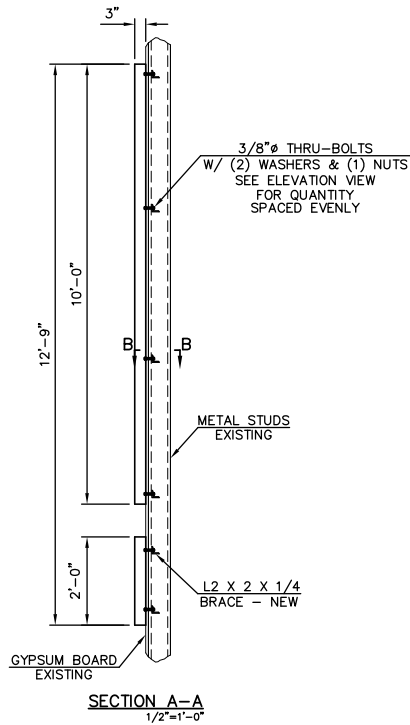
GENERAL NOTES:

- All design, fabrication, installation and construction shall conform to the following specifications, unless specifically noted otherwise on the drawing:
 - The 2015 International Building Code
 - American Institute of Steel Construction, Inc Manual of Steel Construction (14th Edition).
 - American Welding Society ANSI/AWS D1.1 & D1.2 Structural Welding Code – Steel or Alum.
 - The Aluminum Association Design Manual, 2010 Edition.
- All components shall be as listed below, unless noted otherwise:
 - All structural aluminum shall be 6061-T6, or equal.
 - Mechanical expansion anchors shall be installed according to manufacturers specifications.
 - All ferrous to non-ferrous materials shall be adequately separated to prevent corrosion.
 - All bolts in contact with steel and aluminum shall be galvanized or stainless steel.
 - Stainless steel bolts shall be AISI 304 or 316.
 - Steel bolts shall be A325 bolts or equivalent.
 - All exposed materials shall be properly protected from weathering and/or corrosion.
- All field welds shall be made by a welder certified in the specified position.
 - All aluminum welding shall be performed with 4043 or 5356 aluminum.
 - All welds shall be made in a sequence that will balance the applied heat of welding while the welding progresses.
- The structure has been designed to withstand a 115 mph (3-sec gust) design wind speeds with a maximum design pressure of 34.4 psf according to ASCE 7-10, Exp B Risk Cat II, 60' max bldg ht.
- If existing and proposed conditions are not as detailed in this design drawing the installer shall notify the engineer immediately.
- Any deviation from these plans or non-compliance with the general notes without written approval from Cornerstone will render the entire design void.
- If the integrity of the existing wall is sub-standard, the installer shall notify the engineer immediately.



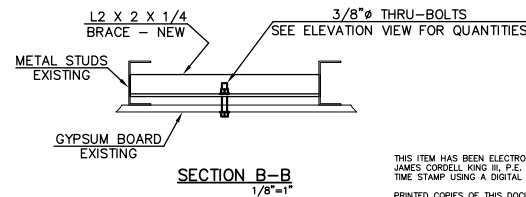
MIN 16 BOLTS PER LOGO
 MIN 4 BOLTS PER LETTERS "M, A, R, O"
 MIN 3 BOLTS PER LETTER "I"
 MIN 2 BOLTS PER LETTER "T"

ELEVATION VIEW



NOTICE:
 CORNERSTONE ENGINEERING, INC. IS RESPONSIBLE FOR THE DESIGN OF THE LETTER/LOGO ATTACHMENT ONLY. ALL OTHER SIGN COMPONENTS ARE THE RESPONSIBILITY OF THE MANUFACTURER.

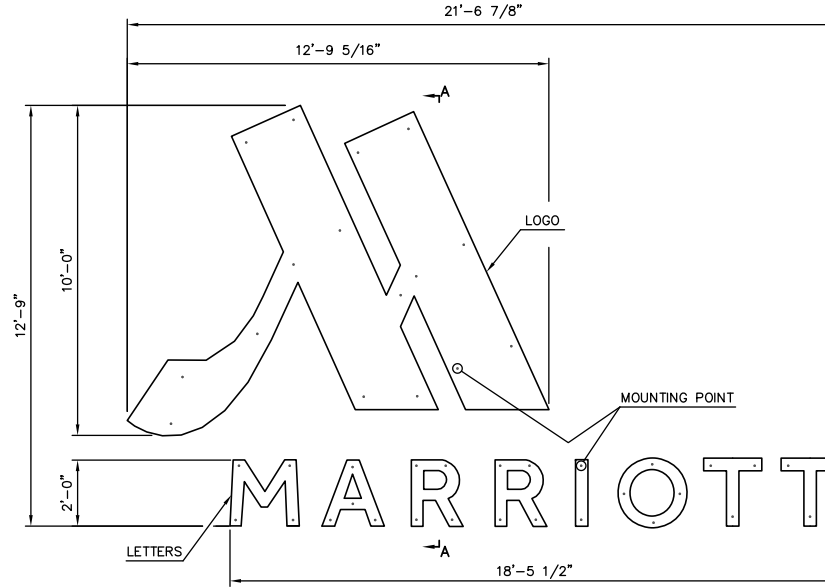
METAL STUD WALL NOTE:
 THE INSTALLER SHALL BE RESPONSIBLE FOR SECURELY FASTENING THE ANGLE BRACING TO THE BUILDING FRAME USING STANDARD CONSTRUCTION PRACTICES.



THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY JAMES CORDELL KING III, P.E. ON THE DATE SHOWN ON THE TIME STAMP USING A DIGITAL SIGNATURE.
 PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

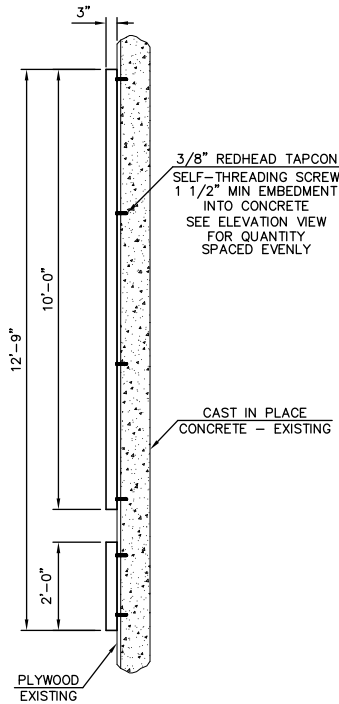
GENERAL NOTES:

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 - American Institute of Steel Construction, Inc Manual of Steel Construction (14th Edition).
 - American Welding Society ANSI/AWS D1.1 & D1.2 Structural Welding Code – Steel or Alum.
 - The Aluminum Association Design Manual, 2010 Edition.
- All components shall be as listed below, unless noted otherwise:
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 - Mechanical expansion anchors shall be installed according to manufacturers specifications.
 - All ferrous to non-ferrous materials shall be adequately separated to prevent corrosion.
 - All bolts in contact with steel and aluminum shall be galvanized or stainless steel.
 - Stainless steel bolts shall be AISI 304 or 316.
 - Steel bolts shall be A325 bolts or equivalent.
 - All exposed materials shall be properly protected from weathering and/or corrosion.
- All field welds shall be made by a welder certified in the specified position.
 - All aluminum welding shall be performed with 4043 or 5356 aluminum.
 - All welds shall be made in a sequence that will balance the applied heat of welding while the welding progresses.
- The structure has been designed to withstand a 115 mph (3-sec gust) design wind speeds with a maximum design pressure of 34.4 psf according to ASCE 7-10, Exp B Risk Cat II, 60' max bldg ht.
- If existing and proposed conditions are not as detailed in this design drawing the installer shall notify the engineer immediately.
- Any deviation from these plans or non-compliance with the general notes without written approval from Cornerstone will render the entire design void.
- If the integrity of the existing wall is sub-standard, the installer shall notify the engineer immediately.



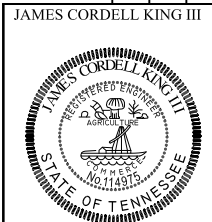
MIN 16 BOLTS PER LOGO
 MIN 4 BOLTS PER LETTERS "M, A, R, O"
 MIN 3 BOLTS PER LETTER "I"
 MIN 2 BOLTS PER LETTER "T"

ELEVATION VIEW



SECTION A-A
 1/2"=1'-0"

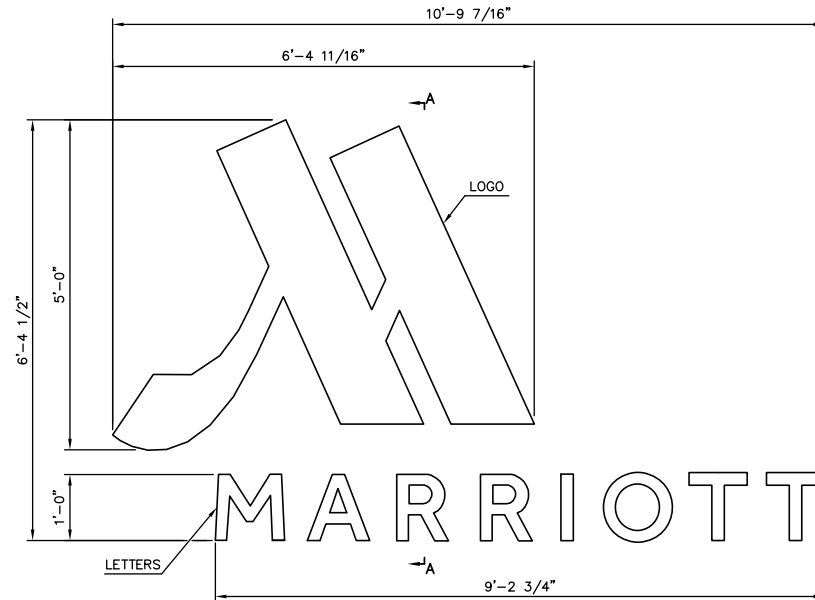
NOTICE:
 CORNERSTONE ENGINEERING, INC. IS RESPONSIBLE FOR THE DESIGN OF THE LETTER/LOGO ATTACHMENT ONLY. ALL OTHER SIGN COMPONENTS ARE THE RESPONSIBILITY OF THE MANUFACTURER.



THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY JAMES CORDELL KING III, P.E. ON THE DATE SHOWN ON THE TIME STAMP USING A DIGITAL SIGNATURE
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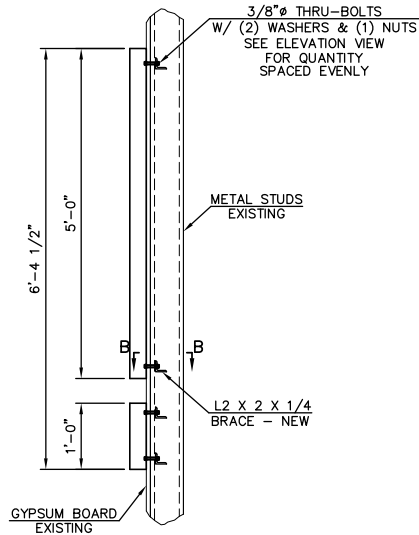
GENERAL NOTES:

- All design, fabrication, installation and construction shall conform to the following specifications, unless specifically noted otherwise on the drawing:
 - The 2015 International Building Code
 - American Institute of Steel Construction, Inc Manual of Steel Construction (14th Edition).
 - American Welding Society ANSI/AWS D1.1 & D1.2 Structural Welding Code – Steel or Alum.
 - The Aluminum Association Design Manual, 2010 Edition.
- All components shall be as listed below, unless noted otherwise:
 - All structural aluminum shall be 6061-T6, or equal.
 - Mechanical expansion anchors shall be installed according to manufacturers specifications.
 - All ferrous to non-ferrous materials shall be adequately separated to prevent corrosion.
 - All bolts in contact with steel and aluminum shall be galvanized or stainless steel.
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- If the integrity of the existing wall is sub-standard, the installer shall notify the engineer immediately.



MIN 12 BOLTS PER LOGO
 MIN 2 BOLTS PER LETTER "I"
 MIN 3 BOLTS PER ALL OTHER LETTERS

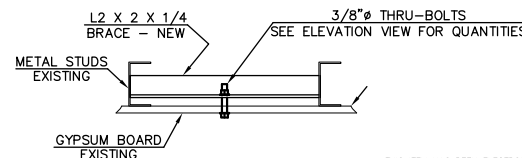
ELEVATION VIEW
 3/4"=1'-0"



SECTION A-A
 3/4"=1'-0"

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METAL STUD WALL NOTE:
 THE INSTALLER SHALL BE RESPONSIBLE FOR FOR SECURELY FASTENING THE ANGLE BRACING TO THE BUILDING FRAME USING STANDARD CONSTRUCTION PRACTICES.

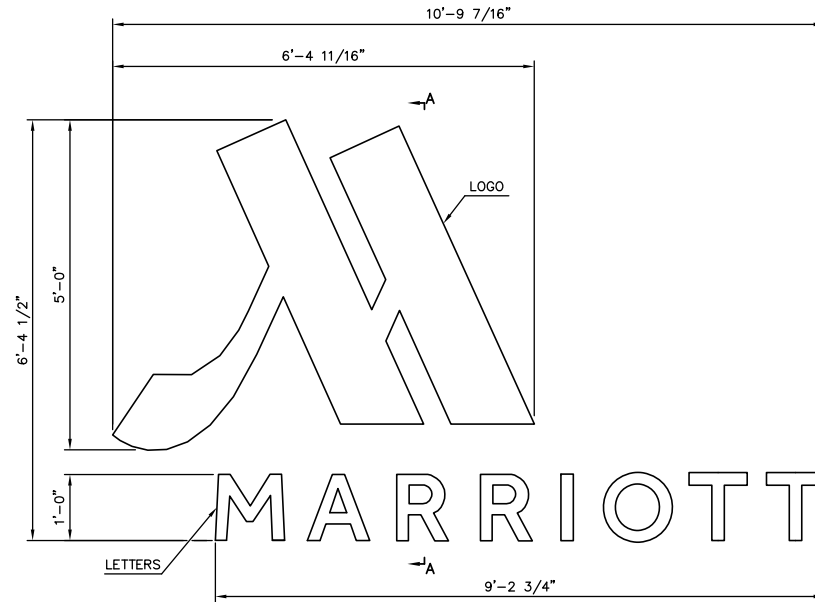


SECTION B-B
 1/8"=1"

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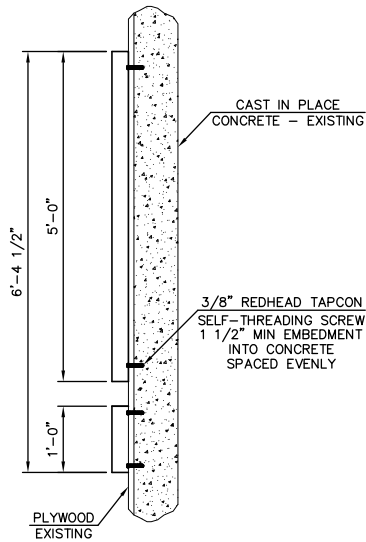
GENERAL NOTES:

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 - The 2015 International Building Code
 - American Institute of Steel Construction, Inc Manual of Steel Construction (14th Edition).
 - American Welding Society ANSI/AWS D1.1 & D1.2 Structural Welding Code – Steel or Alum.
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MIN 12 BOLTS PER LOGO
 MIN 2 BOLTS PER LETTER "I"
 MIN 3 BOLTS PER ALL OTHER LETTERS

ELEVATION VIEW
 3/4"=1'-0"



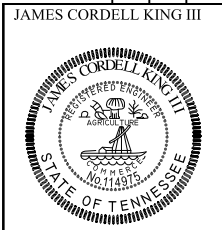
SECTION A-A
 3/4"=1'-0"

NOTICE:
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CORNERSTONE ENGINEERING, INC.
 1020 William Blount Drive - Maryville, TN 37801
 (865) 277-2688 - www.cornerstoneTN.com

PREPARED FOR:
PATTISON SIGN GROUP
 520 West Summit Hill Drive, Suite 702 - Knoxville, TN 37902
Marriott Wall Mounted Logo/Letters
 525 Henley Street - Knoxville, Tennessee

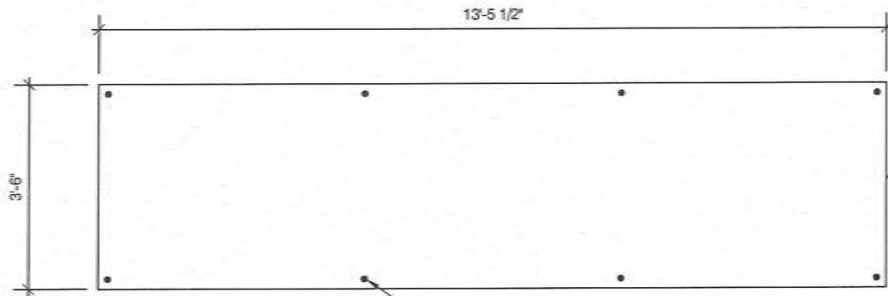
Project # 200736
 Drawn By: CRS
 Date: 12/21/2020
 Dwg # CA25326R
 Sheet: 1 of 1



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TN P.E. # 114975



WALL SIGN BY NEON SERVICE COMPANY

RECOMMENDED LOCATIONS FOR FASTENERS - SEE CHART FOR SIZE AND TYPE (8 REQ'D)

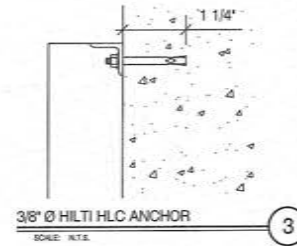
FRONT ELEVATION

SCALE: N.S.K.

A

NOTES
 1.) SEE MANUFACTURERS DRAWINGS FOR ADDITIONAL DETAILS AND DIMENSIONS.

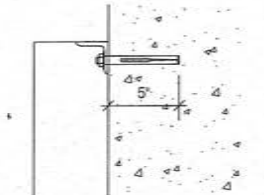
* CLIENT - NEON SERVICE COMPANY
 * 2012 IBC
 * 115 MPH WIND SPEED, EXP. C



3/8" Ø HILTI HLC ANCHOR

SCALE: N.T.S.

3



3/8" Ø EXPANSION ANCHOR

SCALE: N.T.S.

5

WIND DATA

Building Code	2012 IBC	Importance Factor, I	1.0	Base Pressure, $p_s/(K_d)$	17.3 psf
Wind Load Criteria	ASCE 7-10	Directionality Factor, K_d	0.85	Mean Roof Height, h	50 ft
Wind Speed, V	115 mph	Topography Factor, K_t	1.0	Exposure Coefficient, K_e	1.09
Exposure Category	C	ASD Wind Load Factor, γ	0.6	Velocity Pressure, q_s	18.9 psf

FASTENER DATA

Mark	Used Yes/No	Type	Wall Type	Allow. Shear	Allow. Pullout	Anchor Embed	Wood Thickness	Notes
1	No	3/8" Liberty Anchor	Masonry (Hollow), Wood, Cold-Form Steel	300	300	—	—	—
2	No	3/8" Lag Bolt	Wood	200	300	3	3	—
3	Yes	3/8" Hilti HLC Anchor	Masonry, Clay brick, Concrete	300	300	1 1/4"	—	Refer to manufacturers specifications for minimum req's
4	No	3/8" Thru Bolt	Masonry (Hollow), Wood, Cold-Form Steel	300	300	—	—	—
5	Yes	3/8" Expansion Bolt	Masonry (Filled), Concrete	300	300	5	—	—
6	No	None	None	0	0	—	—	—

WALL SIGN #3 - FLUSH MOUNT TO WALL
 Description: Wall Sign
 # of Fasteners: 8
 Wind Pressure Override: 0 psf
 Interior Application: No

Loads

Section	Location	Height h	Width b	Weight w	Area A	Weight W	Top Gust G	G/C_e	q/G_c	Pullout Force
		ft	ft	psf	sf	lbs	psf		psf	lbs
—	ft. Above Grade	43.5	—	—	—	—	43.5	—	—	—
1	Base of Sign	0.0	0.0	5	0	0	43.5	-1.40	-26.4	0
2		0.0	0.0	5	0	0	43.5	-1.40	-26.4	0
3		0.0	0.0	5	0	0	43.5	-1.40	-26.4	0
4	Top of Sign	0.0	0.0	5	0	0	43.5	-1.40	-26.4	0
Totals		0.0	0.0	5	0	0				

Fastener Analysis

Fastener Mark	# of Fasteners Required			Used Yes/No	Status
	Shear	Pullout	Govern		
1	0	0	0	No	Not Used
2	0	0	0	No	Not Used
3	0	0	0	Yes	OK
4	0	0	0	No	Not Used
5	0	0	0	Yes	OK
6	0	0	0	No	Not Used

FASTENER CHART (STAINLESS STEEL)

Fastener Mark	Material
1	3/8" Ø LIBERTY ANCHOR
2	3/8" Ø LAG BOLTS
3	3/8" Ø HILTI HLC ANCHOR
4	3/8" Ø THRU BOLTS
5	3/8" Ø EXPANSION BOLTS

MBI

MBI COMPANIES INC.
 299 N. WEISGARBER RD.
 KNOXVILLE, TN 37919
 PHONE 865.584.0999
 SIGN-ENGINEER.COM

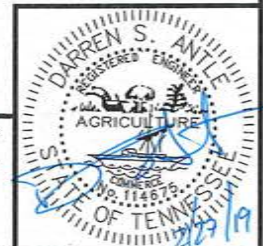
PROJECT:
 800 S. Gay St., Knoxville, TN

DRAWING TITLE:
Strayer University

DRAWN BY: FCM
 CHECKED BY: DSA
 COMM. NO. 180172.001

DATE: 02/27/19

DRAWING NO. DWG. 1



SIGN SPECIFICATIONS

1. REFER TO SIGN COMPANY'S DRAWING(S) FOR MORE DETAILS.
2. ALL DESIGNS, DETAILING, FABRICATION AND CONSTRUCTION SHALL CONFORM TO:
2012 IBC
ACI
AISC
AMERICAN WELDING SOCIETY
LOCAL BUILDING CODES & ORDINANCES
3. MATERIAL PROPERTIES:
STEEL PIPE: ASTM A53 GRADE B
STEEL TUBE: ASTM A500 GRADE B
THREADED ROD: ASTM A193 GRADE B7
STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES, & PLATES: ASTM A36
WELDING ELECTRODES: E70XX
4. WELDERS SHALL BE CERTIFIED FOR TYPE OF WELDING.
5. THIS ENGINEER DOES NOT WARRANT THE ACCURACY OF DIMENSIONS FURNISHED BY OTHERS.
6. ALL EXPOSED STEEL SHALL BE PAINTED WITH AN ENAMEL PAINT TO PROHIBIT CORROSION.
7. THE CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS & METHODS OF CONSTRUCTION IN REGARDS TO JOB SITE SAFETY.
8. THIS DESIGN IS FOR THE INDICATED ADDRESS ONLY, AND SHOULD NOT BE USED AT OTHER LOCATIONS WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
9. DESIGN OF DETAILS AND STRUCTURAL MEMBERS NOT SHOWN, ARE BY OTHERS.
10. INSTALLED FASTENERS MUST MEET OR EXCEED THE VALUES SHOWN IN THE LIST ON THE CALCULATIONS SHEET.
11. ALL ANCHORS SHALL BE STAINLESS STEEL.
12. WALL SIGNS ATTACHED TO EXTERIOR WALLS OF SOLID MASONRY OR CONCRETE, SHALL BE SAFELY AND SECURELY ATTACHED BY MEANS OF METAL ANCHORS, BOLTS OR EXPANSION BOLTS OF NOT LESS THAN 3/8" DIAMETER AND SHALL BE EMBEDDED AT LEAST 5 INCHES.
13. WOOD BLOCKS SHALL NOT BE USED FOR ANCHORAGE, EXCEPT IN THE CASE OF WALL SIGNS ATTACHED TO BUILDINGS WITH WALLS OF WOOD.
14. A WALL SIGN SHALL NOT BE SUPPORTED BY ANCHORAGE SECURED TO AN UNBRACED PARAPET WALL, LAG BOLT ANCHORAGE INTO WOOD 3" MIN. EMBEDMENT.
15. A THREADED ROD MAY BE USED FOR THRU BOLT CONNECTION (USE WASHER AND DOUBLE NUT OR CRIMP THREADS BOTH ENDS TYP.)
16. SIGN MUST BE ATTACHED TO OR THROUGH SOLID BLOCKING. ATTACHMENT TO SHEATHING ONLY IS NOT ACCEPTABLE.
17. AT E.I.F.S. INSTALLATIONS INSTALL WITH PIPE SLEEVE. SEAL ALL PENETRATIONS.
18. THIS DESIGN FOR ANCHORAGE TO EXISTING STRUCTURE ONLY. BUILDING DESIGNER TO VERIFY ADEQUACY OF STRUCTURE TO RESIST THE ADDITIONAL LOADING. THIS ENGINEER NOT RESPONSIBLE FOR EXISTING STRUCTURE.
19. CHANNEL LETTERS AND WALL SIGNS ARE BY OTHERS
20. ELECTRICAL RACEWAYS ARE BY OTHERS.

NOTES

1.) SEE MANUFACTURERS DRAWINGS FOR ADDITIONAL DETAILS AND DIMENSIONS.

- * CLIENT - NEON SERVICE COMPANY
- * 2012 IBC
- * 115 MPH WIND SPEED, EXP. C

MBI

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DRAWN BY: FCM
CHECKED BY: DSA
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DATE:
02/27/19

DRAWING NO.
DWG.
2

REV #	DATE	DRAWN BY

