RESOLUTION NO.

A resolution authorizing Urban Cowboy Arcade to construct and install an aerial encroachment at 230 Rep. John Lewis Way North (Proposal No. 2025M-002EN-001).

WHEREAS, Urban Cowboy Arcade plans to construct, install and maintain a proposed double-faced, LED illuminated blade sign, encroaching into the public right-of-way at 230 Rep. John Lewis Way North; and,

WHEREAS, as set forth in the License Agreement for Private Encroachments Into the Public Right of Way, attached hereto as "Exhibit A", and incorporated by reference herein, Urban Cowboy Arcade has agreed to indemnify and hold the Metropolitan Government of Nashville and Davidson County harmless of any and all claims for damages of every nature and kind resulting from or arising from the installation of said aerial encroachment; and,

WHEREAS, Metropolitan Code of Laws §13.16.030(A) allows the Council of the Metropolitan Government of Nashville and Davidson County to grant encroachments, permits, or privileges to construct, maintain and/or operate aerial cables, canopies, etc., over and/or across sidewalks and public rights-of-way by resolution adopted by twenty-one (21) affirmative votes.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY:

- Section 1. That subject to the requirements, limitations and conditions contained herein, Urban Cowboy Arcade is hereby granted the privilege to construct and maintain an aerial encroachment as described in Proposal No. 2025M-002EN-001, in accordance with the plans on file in the office of the Director of the Nashville Department of Transportation and Multimodal Infrastructure ("NDOT"), and attached hereto as Exhibit B.
- Section 2. That the authority granted hereby for the construction, installation, operation, and maintenance of said aerial encroachment under Proposal No. 2025M-002EN-001 shall not be construed as a surrender by the Metropolitan Government of its rights or power to pass resolutions or ordinances regulating the use of its streets, or the right of the Metropolitan Government through its legislative body, in the interest of public necessity and convenience to order the relocation of said facilities at the expense of Urban Cowboy Arcade.
- Section 3. That construction and maintenance of said aerial encroachment under Proposal No. 2025M-002EN-001 shall be under the direction, supervision, and control of the Director of NDOT, and its installation, when completed, must be approved by said Director.
- Section 4. That this Resolution confers upon Urban Cowboy Arcade a privilege and not a franchise, and the Mayor and the Metropolitan Council herein expressly reserve the right to repeal this Resolution, whenever, in their judgment, a repeal may be demanded by public welfare, and such repeal shall confer no liability on the Metropolitan Government of Nashville and Davidson County, its successors and assigns, by reason of said repeal. In the event of such repeal by said Metropolitan Government, Urban Cowboy Arcade, its successors and assigns, shall remove said aerial encroachment at their own expense.

- Section 5. Urban Cowboy Arcade shall pay all costs incident to the construction, installation, operation and maintenance of said aerial encroachment under Proposal No. 2025M-002EN-001, and shall save and hold the Metropolitan Government of Nashville and Davidson County harmless from all suits, costs, claims, damages or judgments in any way connected with said construction, installation, operation and maintenance of said aerial encroachment and shall not claim, set up or plead, as a defense, in the event of joint liability, with or without suit, that it and the Metropolitan Government were joint wrongdoers. Urban Cowboy Arcade shall be responsible for the expense, if any, of repairing and returning the right-of-way to the condition which it was in prior to the installation of said aerial encroachment, and for any street closure.
- Section 6. That the authority granted to Urban Cowboy Arcade, as herein described, shall not in any way interfere with the rights of the Metropolitan Government, its agents, servants, and/or contractors and utility companies, operating under franchise from the Metropolitan Government to enter, construct, operate, maintain, repair, rebuild, enlarge, and patrol its now existing or future utilities, including drainage facilities, together with their appurtenances, and to do any and all things necessary and incidental thereto.
- Section 7. Urban Cowboy Arcade shall and is hereby required to furnish the Metropolitan Government of Nashville and Davidson County a certificate of public liability insurance, naming the Metropolitan Government as an insured party, of at least two million (\$2,000,000) dollars aggregate, for the payment of any judgment had on any claim, of whatever nature, made for actions or causes of action arising out of, or connected with, the construction or installation of said aerial encroachment. Said certificate of insurance shall be filed with the Metropolitan Clerk and NDOT prior to the granting of a permit, and the insurance required herein shall not be canceled without the insurance company or companies first giving thirty (30) days written notice to the Metropolitan Government of Nashville and Davidson County.
- Section 8. That said construction shall be carefully guarded and protected, and shall be completed promptly, so as to cause the least inconvenience to the public. The acceptance by Urban Cowboy Arcade of all provisions of this Resolution shall be determined by the beginning of work.
- Section 9. The authority granted pursuant to this Resolution shall not become effective until the certificate of insurance, as required in Section 7, has been posted with the Metropolitan Clerk and NDOT.
- Section 10. This Resolution shall take effect from and after its adoption, the welfare of the Metropolitan Government of Nashville and Davidson County requiring it.

RECOMMENDED BY:

-Signed by:

Diana W. Marcon/KS

Diana W. Alarcon, Director
Nashville Department of Transportation
And Multimodal Infrastructure

APPROVED AS TO INSURANCE:

-DocuSigned by:

Balogun Cobb

Insurance and Claims Manager

APPROVED AS TO FORM AND LEGALITY:

-DocuSigned by:

Erica Haber

Asstร์เล็กเ⁵เทีย์tropolitan Attorney

INTRODUCED BY:

Member(s) of Council

Proposal No. 2025M-002EN-001

ACORD C	ER	TIF	ICATE OF LIA	BILI	TY INSI	JRANC	E [MM/DD/YYYY) /07/2025
THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER. IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed.									
If SUBROGATION IS WAIVED, subject t this certificate does not confer rights to						may require	an endorsement. A stat	ement o	on
PRODUCER			and invited in section section	CONTA		thridge		_	
Robins Insurance Agency, Inc				PHONE (A/C, M	(615) 6	65-9200	FAX (AIC, No):	(615) 6	65-9207
11 Music Circle S E-MAIL ACCHESS: methridge@robinsins.com									
Nashville			TN 37203	INSURE	Mariah I	SURER(S) AFFOR	RDING COVERAGE Ipany	-	NAIC # 15261
INSURED				INSURE	RB;				
Urban Cowboy Arcade				INSURE	RC:				
65 Arcade Alley				INSURE				_	
Nashville			TN 37219	INSURE				_	
COVERAGES CER	TIFIC	ATE	NUMBER: 25-26 Master	10.74	mr.		REVISION NUMBER:	_	
THIS IS TO CERTIFY THAT THE POLICIES OF	INSU	RANCE	LISTED BELOW HAVE BEEN	ISSUED	TO THE INSU	RED NAMED A	BOVE FOR THE POLICY PER	COD	
INDICATED. NOTWITHSTANDING ANY REQU CERTIFICATE MAY BE ISSUED OR MAY PERT	REME AIN, T	ENT, TE	ERM OR CONDITION OF ANY SURANCE AFFORDED BY THE	CONTR/	ACT OR OTHER	R DOCUMENT I	WITH RESPECT TO WHICH T	HIS	
EXCLUSIONS AND CONDITIONS OF SUCH P	LICIE	S. LIM	ITS SHOWN MAY HAVE BEEN	REDUC	CED BY PAID CI	LAIMS.	OODEOT TO ALL THE TENMS	*	
INSR TYPE OF INSURANCE	MSD	WALD	POLICY NUMBER		(MM/DDYYYY)	(MWDDYYYY)	LIMI		
COMMERCIAL GENERAL LIABILITY							EACH OCCURRENCE	s 1,00	
CLAIMS-MADE X OCCUR	Н						PREMISES (Ea occurrence)	s 1,00	
A H			BP10054682				MED EXP (Any one person)	g 1,00	
			BF10034002		01/31/2025	01/31/2026	PERSONAL & ADV INJURY	s 1,00	
GENLAGGREGATE LIMIT APPLIES PER	ш						GENERAL AGGREGATE	8 2,00	
	П						PRODUCTS - COMPIOP AGG	\$ 2,00	0,000
OTHER: AUTOMOBILE LIABILITY	\vdash	-		_		_	COMBINED SINGLE LIMIT	5	
ANYAUTO							(Ea accident)	\$ 1,00	0,000
OWNED SCHEDULED			BP10054682		01/31/2025	01/31/2026	BODILY INJURY (Per person) BODILY INJURY (Per accident)	5	
AUTOS ONLY HIRED AUTOS ONLY AUTOS ONLY AUTOS ONLY			5		0110112020	0110112020	PROPERTY DAMAGE	5	
AUTOS ONLY AUTOS ONLY	ш						(Per accident)		
X UMBRELLA LIAB OCCUR	\vdash						EACH OCCURRENCE	-	0,000
A EXCESS LIAB CLAMS-MADE			CU10054686		01/31/2025	01/31/2026	ADGREGATE	s 1,00	
DED RETENTION 8	1						Presentation in the	1	
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY							PER STATUTE ER		
A OFFICERMENSER EXCLUDED?	N/A		WC10054685		01/31/2025	01/31/2026	E.L. EACH ACCIDENT	\$ 500,	000
(Mandatory in NH)						***************************************	E.L. DISEASE - EA EMPLOYEE	s 500,	
If yes, describe under DESCRIPTION OF OPERATIONS below							EL DISEASE - POLICY LIMIT	\$ 500,	
A Liquor Liability			1110054004		nama inner	841841999	Each Common Cause		00,000
^			LL10054684		01/31/2025	01/31/2026	Aggregate Limit	\$1,0	000,000
DESCRIPTION OF OPERATIONS / LOCATIONS / VIDIGOL	ES (AC	ORD 1	C1, Additional Remarks Schools	may be at	ttached if more re	nace is required			
The Commercial General Lisbility policy is endo									
FULL NAME:									
The Metropolitan Government of Nashville and			ounty						
Metro Legal & Claims o/o Insurance and Safety 222 3rd Avenue North, Ste #501	Divisi	on	_						
Nashville, TN 37201									
CERTIFICATE HOLDER				CANC	ELLATION				
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE. THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.						BEFORE			
222 3rd Avenue North, Ste #50			ŀ	AUTHOR	NIZED PEPPESON	TATIVE			
Nashville			TN 37201						
							ACORD CORRODATION		

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ACORD 25 (2016/03)

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LICENSE AGREEMENT FOR PRIVATE ENCROACHMENTS INTO THE PUBLIC RIGHT OF WAY

Urban Cowboy Arcade , in consideration of the Resolution No. ______, to construct, maintain, install and/or operate an encroachment into, onto, over, or under the public right of way located at in Nashville, Davidson County, Tennessee, do hereby, for myself, my agents, customers, and assigns, waive and release and hold harmless The Metropolitan Government of Nashville and Davidson County, its agents, employees, and assigns from any and all claims, rights, or demands for damages that may arise from my/our use, construction and/or maintenance of the encroachment, to wit: (SEE ATTACHED DESCRIPTION OF ENCROACHMENT). I/We hereby certify to the Metropolitan Government of Nashville and Davidson County that I/We have executed a bond or liability insurance policy in such amount as agreed upon by the Director of NDOT and the Metropolitan Attorney, and in the form approved by the Metropolitan Attorney (per Metropolitan Code Section 38-1-1), which operates to indemnify and save The Metropolitan Government of Nashville and Davidson County harmless from all claims or demands that may result to persons or property by reason of the construction, operations or maintenance of the encroachment. I/We further agree that my/our obligations hereunder may not be assigned except upon approval of the Director of NDOT and the Metropolitan Attorney. I/We further acknowledge that any action that results in a failure to maintain said bond or liability insurance for the protection of The Metropolitan Government of Nashville and Davidson County shall operate to the granting of a lien to The Metropolitan Government of Nashville and Davidson County in the amount of the last effective bond/insurance policy. Said insurance or bond may not be cancelable or expirable except on 30 days' notice to the Director of NDOT. I/We further recognize that the license granted hereby is revocable by The Metropolitan Government upon

I/We further recognize that the license granted hereby is revocable by The Metropolitan Government upon recommendation of the Director of NDOT and approval by resolution of the Metropolitan County Council if it is determined to be necessary to the public welfare and convenience. In the event the Metropolitan Government revokes this license as contemplated by this paragraph, licensee will not be entitled to any compensation of any kind. This license shall also be strictly subject to the right of way easement owned by The Metropolitan Government. I/We agree to maintain, construct and use the encroachment in such a way as will not interfere with the rights and duties of the Metropolitan Government

as owner of the right of way. Said interference shall be additional grounds for revocation of the license for encroachment. I/We agree to pay the cost of construction, maintenance, use, as well as relocations cost of said encroachment. Licensee's failure to complete construction of the contemplated encroachment within 36 months of the date of approval by the Metropolitan Council will cause this license to terminate automatically. In the event the encroachment contemplated by this license is substantially destroyed, this license shall terminate unless fully restored by licensee within 36 months from the date of such destruction. In the event this license is revoked or terminated for any reason, licensee shall restore all public property to the condition obtaining at the time the license became effective at licensee's sole cost and expense.

DATE: <u>0</u>3-18-2025

Lyon Porter

(Owner of Property)

234 Rep John Lewis Way

(Address of Property)

Nashville, TN 37219

(City and State)

STATE OF TENNESSEE)

COUNTY OF DAVIDSON)

Sworn to and subscribed before

Me this 18th day of March, 2025.

Sin L. Hoysles
(NOTARY PUBLIC)

My Commission Expires: May 9, 2026.





URBAN COWBOY SIGNAGE

URBAN COWBOY - THE ARCADE 230 REP JOHN LEWIS WAY N NASHVILLE TN, 37219

Madeline Westfall

INFO@MADELINE WESTFALL.COM

OCTOBER 22, 2024











Section V: Sign Standards

Illumination

Illumination of signs shall be in accordance with the following requirements:

External Humalantion

- External light sources shall be placed close to, and directed onto, the sign and shielded to minimize glare into the street, sidewalks or onto adjacent properties.
- Projecting light fixtures used for externally illuminated signs shall be simple and unobtanave in appearance. They should not obscure the sign.

Internal Hlumination

- · Channel letters may be interrully lit or back-lit,
- For cabinet signs, the background must be opaque. Only graphics, text and logos may be illuminated, and a halo of one luch around graphics, text, and logos may be non-opaque.
- · Exposed neon may be used for lettering or as an accent.

Prohibited Light Sources

The following light sources are prohibited on every Street Type except Printers' Alley:

- · Blinking, flashing, chasing, and sequential lighting.
- · Bare bulb illumination.

Raceways and Transformers

- Within Redevelopment Districts, raceways may only be permitted by Modification.
- · Visible transformers are prohibited.

























feternally it cabinet signs with darker backgrounds

Prohibited Light Sources

The following light sources are prohibited on every Street Type except Printers' Alley:

- · Blinking, flashing, chasing, and sequential lighting.
- Bare bulb illumination.

We are proposing the use of bare bulb illumination as a border around the sign cabinet and request that in this case, the design warrants an exception on the basis of being an "extraordinary design concept".





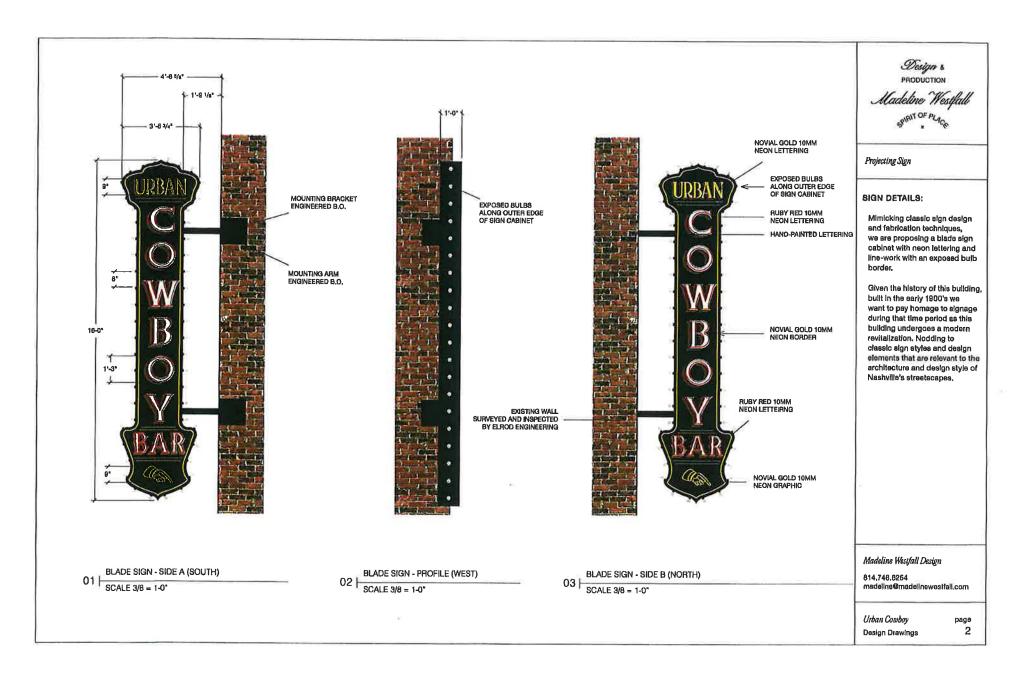












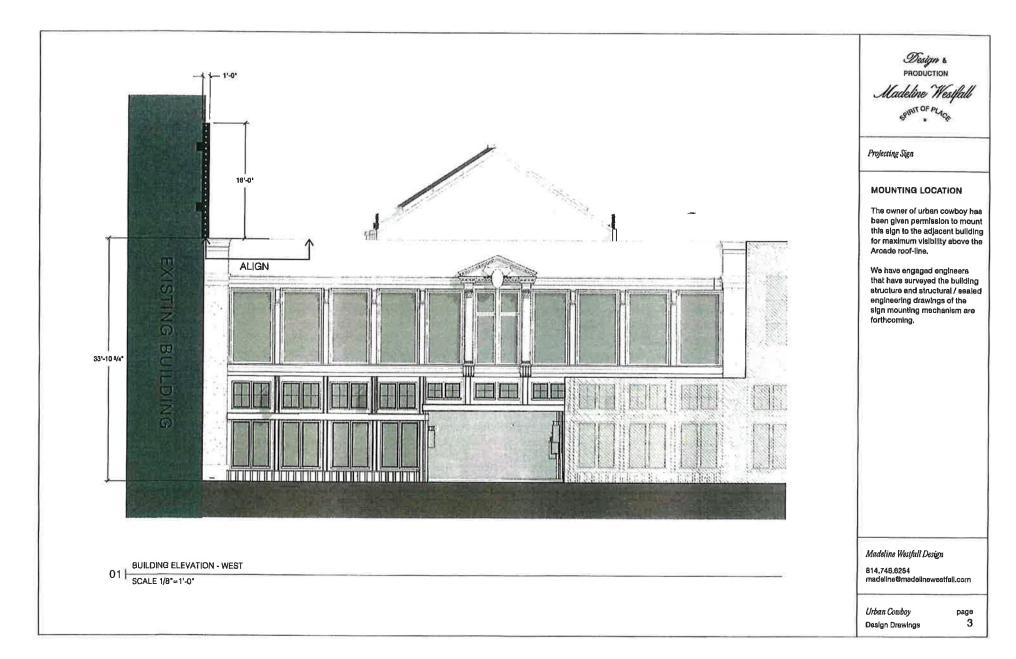








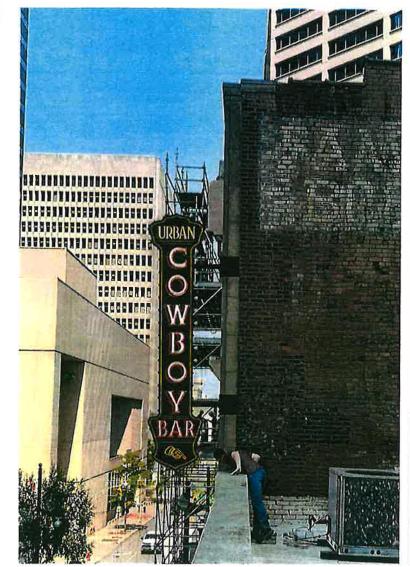


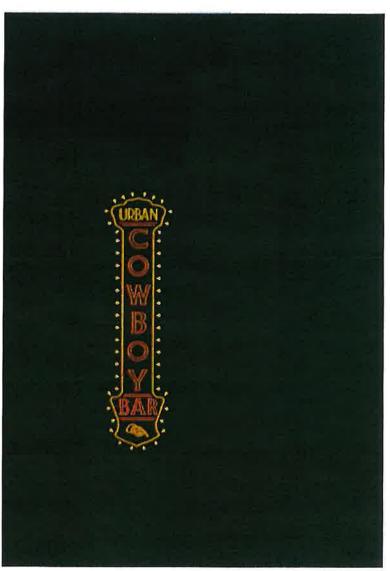














Projecting Sign

ILLUMINATION REFERENCE RENDERING SHOWN ON RIGHT SIDE OF PAGE.

Madeline Westfall Design

814.746.6254 madeline@madelinewestfall.com

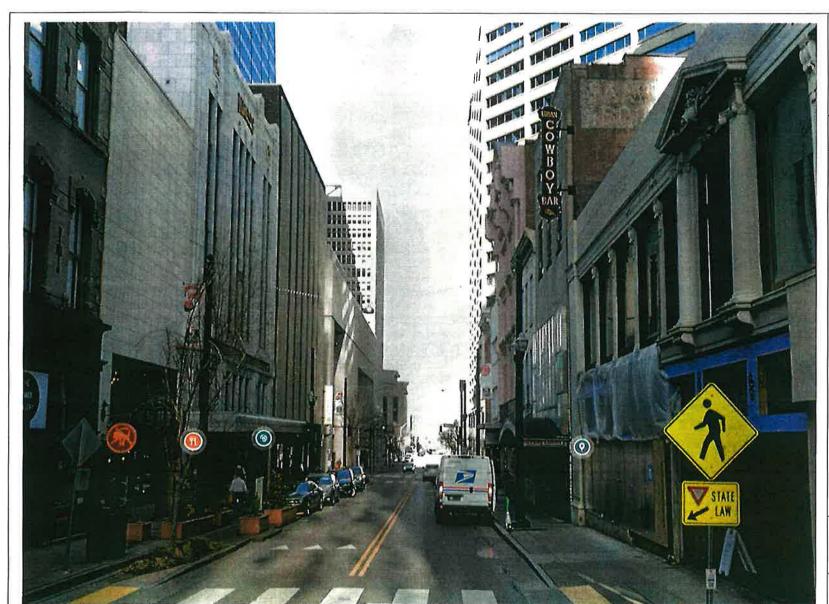
Urban Cowboy Dosign Drawings page 4













Projecting Sign

ADDITIONAL VIEWS FOR DRC CONSIDERATION.

Madeline Westfall Design 814,746,6254

madeline@madelinewestfall.com

Urban Cowboy
Design Drawings

page 5

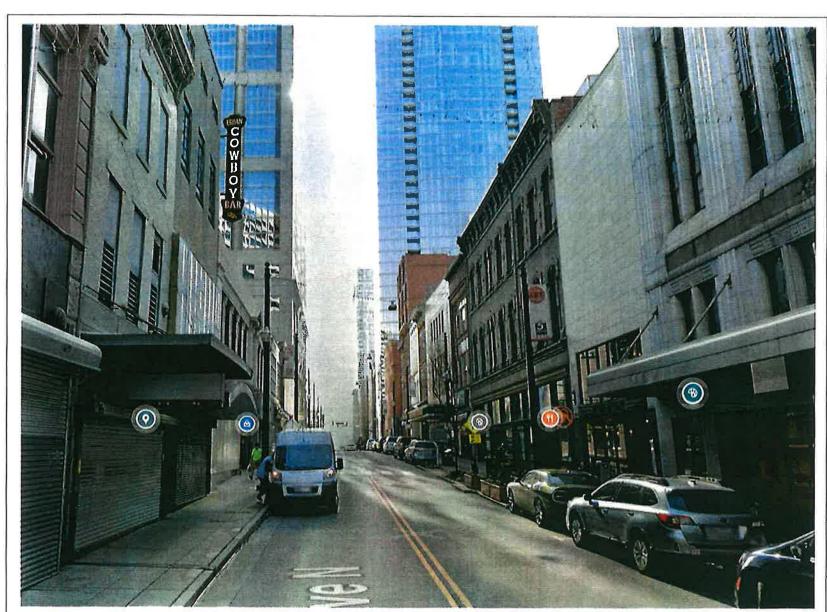














Projecting Sign

ADDITIONAL VIEWS FOR DRC CONSIDERATION.

Madeline Westfall Design

814.746.6254 madoline@madolinewestfali.com

Urban Cowboy

page 6

Dosign Drawings



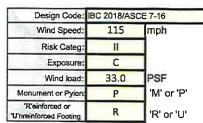








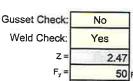
C1 of 3



Client	Madeline Westfall Design
Project #:	100x6290
Date:	11/8/2024
Facility Ref.	Urban Cowboy
Address:	40 The Arcade/236 Rep John Lewis Way N
City, ST:	Nashville, TN 37219
Sign Type:	16'-0" Blade Sign

Area (sf)	% of Load	Load (psf)	Shape factor	Shear (k)	Centrold (ft)	Moment (k-ft)	Moment (k-ft (Drilled)
20.04	100%	33	1	0.661	3.583	2.370	0.000
0.45	100%	33	1	0.015	0.900	0.013	0.000
0.00	100%	33	1	0.000	0.000	0.000	0.000
0.00	100%	33	1	0.000	0.000	0.000	0.000
0.00	100%	33	1	0.000	0.000	0.000	0.000
0.00	100%	33	1	0.000	0.000	0.000	0.000
0.00	100%	33	1	0.000	0.000	0.000	0.000
			_{base} V _{X=}	0.68	baseM _X	2.38	0.00





Base Weld Tube Weld Size 1/4" Weld Total Weld 5.57 Str. (k-it) 43.8% Capcity %

Fy = 50 (HSS Square	50	F _y =
or HSS Rectangular)		Φ=
	10.3	$M_n = F_y Z =$
	9.28	ΦM _n =

$M_n = F_y Z =$	A CHARLE	10.3		Lo	ad Factor(LF) =	1	LNI
ΦM _n =	Las	9.28			M _u = LF(M _x) =		-8
3.00	" Tall	x	3.00	"Wide x	0.250	" Wall	-
Overturning	Directio	D					

9.28 OK 25.7%

Flange in Flexural Compression:

b/t = 8.9

b = 2.070

Compact Flange b/t Limit: 1.12(E/F_y)^{0.5} = 27.0

Is Flange Compact? Yes. Yielding Controls (F7-1)

Non-Compact Flange b/t Limit: 1.40(E/F_y)^{0.5} = 33.7

Is Section Non-Compact? Yes. Use Lesser of (F7-1) AND (F7-2)

Flange Is Not Slender

Yielding Check:

(F7-1)
$$M_n = M_p = F_y Z = 10.3$$

(GOVERNING EQUATION)

Compression Flange Local Buckling

Non-Compact Flanges

(F7-2)
$$M_n = M_p - (M_p - F_y S)[(3.57 \left(\frac{b}{t}\right) \sqrt{\frac{F_y}{E}} - 4.0] = 15.5$$

Slender Walled Flanges

$$b_e = 1.92 \sqrt{\frac{E}{Fy}} \left[1 - \left(\frac{0.38}{\frac{b}{F} \sqrt{\frac{E}{Fy}}} \right) \right] = -0.300$$

 $l_a = 0.899$

 $S_a = 0.599$



11/8/24

If Compact=(F7-1) OR If Non-Compact=(F7-2) OR If Slender=(F7-3) 10.3

Yielding and Flange Local Buckling Result M_n = 10.3

(F7-3) $M_{\pi} = F_{\nu} S_{e} =$

Web in Flexure:

h = 2.070

2.5

 $2.42 \sqrt{\frac{E}{F_y}} = 58.3$ $5.70 \sqrt{\frac{E}{F_y}} = 137.3$ Compact Web h/t Limit Non-Compact Web h/t Limit:

Is Web Compact? Yes. Web Buckling N/A. Use Yield & Flange Result

(F7-5) $M_n = M_p - (M_p - F_y S_x)[(0.305 \left(\frac{h}{L_w}\right) \sqrt{\frac{F_y}{E}} - 0.738] =$

is Web Non-Compact? Yes. Use Lesser of (F7-5) AND Yield & Flange Result 11.5

Overall Result Mn = 10.3

k-ft



Analysis of Steel Base Plate w/ Steel Anchor Bolts



			100x6290	16'-0" Blade Sign
ASCE 7-	16			
PL _{th} =	0.75	(in.) Plate Thickness		
PL _{եև} =	16	(in.) Plate Bend Line Length (See Sketches fo	r Examples)	
<mark>لو≖</mark>	5	(in.) Cantilever Length of Plate (See Sketches	for Examples)	
PL _{Fy} =	36	(ksi) Plate Material Yield Stress F _y = 36(A36))	
PL _{Fu} =	58	(ksi) Plate Material Ultimate Tensile Stress	F _u = 58(A36)	
B _{dia} =	0.75	(in.) Anchor Bolt Diameter		
n _b =	4	(Qty) Total Number of Anchor Bolts in the Ba	se Plate (Symmetrical)	
d =	11	(in.) Distance Between Bolts (In Direction of	Overturning)	
F _u =	58	(ksi) Bolt Material Ultimate Tensile Stress F	u= 58(F1554 Gr 36), =75(Gr	55), =125(Gr105), or =60(A307)
Threads Excluded?	N	(Yes or No) Are Threads Excluded From the S	hear Plane?	
M =	2.38	(kip-ft) Bending Moment at Match Plate (Un	factored Load Effects)	
V =	0.68	(kip) Shear Force at Match Plate (Unfactored	Load Effects)	
A _b =	0.441786	(in ²) Nominal Area of Anchor Bolt = $\pi r^2 = \pi (8$	_{d2} /2) ²	
F _{nv} =	26.1	(ksi) Bolt Nominal Shear Stress F _{nv} = 0.45F _u	(Threads Excluded) or 0.563	BF _u (Threads Not Excluded)
F _{nt} =	43.5	(ksi) Bolt Nominal Tensile Stress Fpr = 0.75F	"(F1554 Gr 36 or A307)	

	ANCHOR BOLT			
AND THE RESIDENCE	Shear	The state of	3-3	
Sing	e Bolt Available Shear Capacity = ΦR _n = Φ(F _{nv})A _b =	8.65	kip	
	Single Bolt Actual Shear Force = V _u /n _b =	0.17	kip	
	Shear Check	OK		2%
	Tension (Modified for Shear)	1	100	100
Si	ngle Bolt Required Shear Stress = $f_{rv} = (V_u/n_b)/A_b =$	0.4	ksi	
Modified Bolt N	lominal Tension Stress = F' _{nt} = 1.3F _{nt} -(F _{nt} /ΦF _{nv})f _{rv} =	43.5	ksi	
Single E	Solt Available Tension Capacity = ΦR _n = Φ(F' _{nt})A _b =	14.41	kip	
Single	Bolt Actual Tension Force = $T_u = (M_u/d)/(0.5n_b) =$	1.30	kip	
	Tension Check	ОК		9%
USE:	0.75 Inch Diameter Anchor Bolts	15.0	T. D	ÇU,

BASE PLATE		
Flexure		
Plate Plastic Section Modulus = $Z = PL_w(PL_{th})^2/4$	2.250	in ³
Plate Available Flexural Strength = $\Phi M_n = \Phi(PL_{ry})Z =$	72.9	in-kip
Cumulative Bolt Tension Force = T _{uc} =	2.6	kip
Plate Actual Bending Moment= M _{pl} =	13.0	in-kip
Flexure Check	OK	18%
Bearing		1920
Plate Available Bearing Strength at Bolt = $\Phi R_n = \Phi(3.0)B_{dia}(PL_{th})PL_{Fu} =$	73.4	kip
Plate Actual Bearing Stress = $(V_u/n_b)/(B_{dia}(PL_{th}))$ =	0.3	kip
Bearing Check	ОК	0%
USE: 0.75 Inch Thick Base Plate	1200	

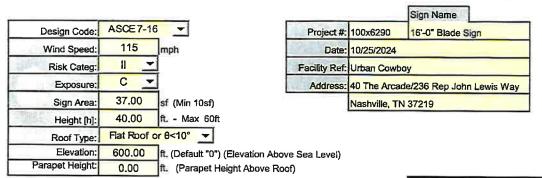






887 Seven Oaks Blvd. Suite 1010 Smyrna, TN 37167 615.890.9405 C3 of 3





Design Wind Pressure, Sect. 30.3, For Heights [h] <= 60ft

P = qh [(GCp)-(GCpi)]

Velocity Pressure 26.10.2

qh = 0.00256KhKztKdKeV^2 = 29.33

Zone 4 WALL PRESSURES
windward: 24.42 leeward: 27.06
Zone 5
windward: 24.42 leeward: 33.00

P = qp[(GCp)-(Gcpi)]

Zone 4 Zone 5

P₁ = 24.92 24.92

P₂ = 55.57 73.62

P₃ = 24.92 24.92

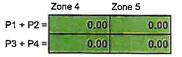
P₄ = 27.61 33.67

 $qp = 0.00256KhpKztKdV^2 = 29.93$

Kp = 1.04

Zone 4 Zone 5 GCp P2 1.8567 2.460

$K_h =$	1.0400	Table 26.10-1
$K_{zt} =$	1.00	Sect. 26.8.2
$K_d =$	0.85	Table 26.6-1
K _e =	0.98	Sect. 26.9 & Table 26.9-1
V ² =	13225	Wind Speed
GCp =	0.833	Windward Zone 4/5 - Fig. 30.3-1
GCp =	0.923	Leeward Zone 4 - Fig. 30.3-1
GCp =	1.125	Leeward Zone 5 - Fig. 30.3-1
Gcpi =	0.000	Table 26.13-1





<u>LRFD</u>

1, 1,4D

2. 1.2D + 1.6L + 0.5(Lr or S or R)

3. 1.2D + 1.6(Lr or S or R) + (L or 0.5W)

4. 1.2D + 1.0W + L + 0.5(Lr or S or R)

5. 0.9D + 1.0W

ASD

1. 1.0D

2. 1.0D +1.0L

3. 1.0D +1.0(Lr or S or R)

4. 1.0D + 0.75L + 0.75(Lr or S or R)

5. 1.0D + 0.6W

6. 1.0D + 0.75L + 0.75(0.6W) + 0.75(Lr or S or R)

7.0.6D + 0.6W



GENERAL NOTES:

- DO NOT GUESS. DIRECT ALL QUESTIONS CONCERNING THIS DRAWING TO ELROD ENGINEERING, LLC.(615-890-9405) DO NOT SCALE THIS DRAWING.

- CRAPHICS ARE NOT TO BE REPRODUCED FROM THIS DRAWING.

 STRUCTURAL STEEL PLATE & ANGLE SHALL CONFORM TO ASTM A36 (FY (YIELD) = 36 KS).
- STRUCTURAL STEEL SQUARE AND RECTANGULAR TUBING SHALL CONFORM TO ASTM ASOO GRADE "O" (FY (YIELD) = 46 KSI) OR
- ASTM ASOO CRADE C (FY (YIELD) = 50 KSI).
 ALUMINUM STRUCTURAL SHAPES SHALL CONFORM TO THE SPECIFICATIONS FROM THE ALUMINUM ASSOCIATION'S ALUMINUM DESIGN MANUAL 2020 FOR 6061-T6;

SQUARE/RECTANGULAR TUBE & ROUND PIPE (FY: 35KSI UNWELDED)

PLATE AND ANGLE (FY: 35KSI UNWELDED)

- PLATE AND ANGLE (FY: 35KS) UNWELDED)

 ALL STRUCTURAL SHAPES (WELDED FY: 15KS) \$0.375" THICK, 11KS) >0.375" THICK)

 FOR WELDING ALUMINUM, USE 5356 ALLOY ELECTRODES FOR 6061 BASE METAL.

 ALL METAL NOT SPECIFIED AS ALUMINUM SHALL BE SITEL.

 SITEL WELDING TO CONFORM TO RECOMMENDATIONS AS PUBLISHED BY THE AMERICAN WELDING SOCIETY D1.1.

 ALUMINUM WELDING TO CONFORM TO RECOMMENDATIONS AS PUBLISHED BY THE AMERICAN WELDING SOCIETY D1.2.

 WORKMEN WHO MILL PERFORM WELDING DYEARTHONS SHALL BE CERTIFIED FOR THE APPLICABLE WELDING PROCEDURE.

 FOR WELDING STEEL, USE EZO SERIES LOW HYDROGEN ELECTRODES.

 FABRICATED STEEL SHALL BE CLEAMED OF MILL SCALE, DOI, & OTHER SURFACE CONTAMINATES PRIOR TO PAINTING.

 BEFER TO CALL OUTS IN THE PRAMME FOR THEFACION POOL METABLE WITH USE COLLOWING DROOSEDTS.

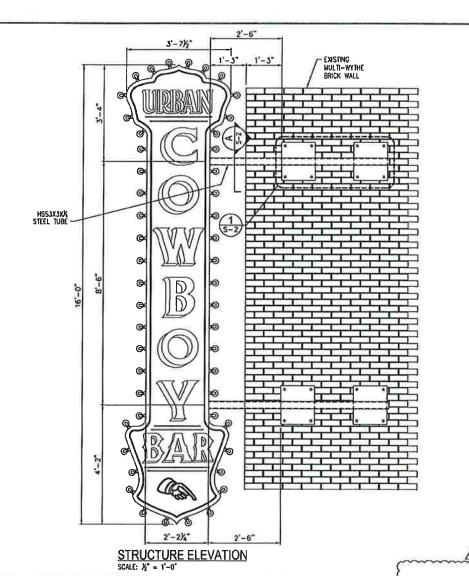
- REFER TO CALLOUTS IN THE DRAWING FOR THREADED ROD MATERIAL WITH THE FOLLOWING PROPERTIES:

A36 CARBON STEEL (ALL SIZES); Fu = 58 KSI

A193 GRADE 87 ALLOY STEEL (ALL SIZES): Fu = 125 KSI

A193 GRADE BB CLASS 1 STAINLESS STEEL (ALL SIZES): Fu = 75 KSI

A193 GRADE B8 CLASS 2 STAINLESS STEEL (UP TO $\frac{1}{2}$ " DIAMETER): Fu = 125 KSI, (OVER $\frac{1}{2}$ " TO 1" DIAMETER): FU = 115 KSI, (OVER 1" TO 1- $\frac{1}{2}$ " DIAMETER): FU = 105 KSI, (OVER 1- $\frac{1}{2}$ " DIAMETER): FU = 100 KSI





11/08/2024

DESIGN CRITERIA
BUILDING CODE: IBC 2018/ASCE 7-16
ANALYSIS: LRFD-AISC 15TH
CHAPTER 16: SECTION 1509.3.1
ULTIMATE WIND SPEED VAIT = 115 MPH
NOMINAL WIND SPEED VAID = 89 MPH RISK CATEGORY: II Vass = Varv0.6 EXPOSURE: C

TBC	FIDOD
ERA	ENGINEERING
10028290	887 Seven Oaks Blyd., Suits 10
10/25/2024	Smyras, TN 37167 415-890-9495
	ERA 100Z8290

MADELINE WESTFALL DESIGN 4303 LONE OAK ROAD NASHVILLE, TN 37215

16'-0" BLADE SIGN	No.	Date
THEN AS THE PROPERTY AND A STATE OF THE STAT	01	11/08/2
URBAN COWBOY		
40 THE ARCADE		
NASHVILLE, TN 37219		

Revision 2024 MODIFIED MOUNTING DETAILS TIBO



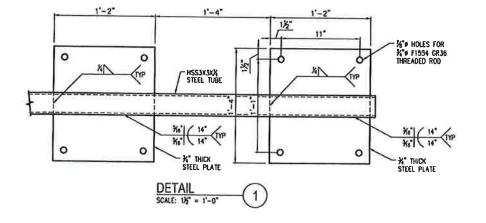


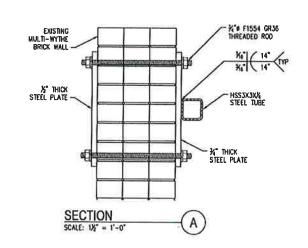














4.1



MADELINE WESTFALL DESIGN 4303 LONE OAK ROAD NASHVILLE, TN 37215

10-0 BLADE SIGN	17
URBAN COWBOY	
40 THE ARCADE	
NASHVILLE, TN 37219	

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S-2







Exhibit A

