

Meeting: 1/15/2025
Project: Suttrees Tavern sign
Applicant: Lori Colborn T and T Signs, Inc

Property Information

Location: 407 S. Gay St. **Parcel ID** 94 L E 004
Zoning: DK (Downtown Knoxville)
Description:
New illuminated sign on middle storefront of three-bay, three-story building.

Description of Work

Level I Sign

New internally illuminated wall sign measuring 20" tall and 10'-10" wide (approximately 18 square feet). Sign will be located above the middle storefront, directly above the existing awning on the first story. The entire wall sign will be internally illuminated with a white LED illumination and red letters.

Applicable Design Guidelines

Downtown Design Guidelines

7. Recommended Signs

7a. Locate signs above storefront windows, below second-story windows on the sign board, or on the storefront windows themselves (30% is maximum coverage), or off the front of the building as a projecting sign (maximum size: 9 square feet).

7b. Create signs that are proportional to the building where they are located.

7c. Do not light signs internally.

Comments

Illuminated signs require review by the Design Review Board. The wall sign form, mounted flush to the building façade and above the storefront windows, meets the guidelines for new signs in the historic district. The 18 square foot sign is proportional to the wall on which it will be installed. However, guidelines recommend that signs should not be lit internally. There is a precedent to allow internally illuminated signs on a limited basis in the historic district in cases where the lighting is limited to push-through letters or a logo. The entire block of the sign will be illuminated; the sign should be revised so that only the letters themselves are illuminated instead of the whole sign.

Recommendation

Staff recommends approval of Certificate 1-A-25-DT, subject to the following condition: 1) sign be revised to feature internal illumination limited to the individual letters, with revisions submitted to staff for review.

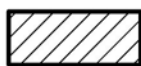


1-A-25-DT

APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

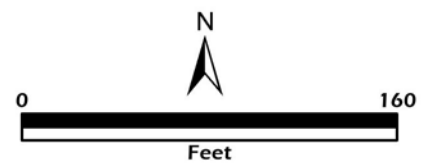
Petitioner: Lori Colborn T and T Signs, Inc

**DOWNTOWN
DESIGN
REVIEW
BOARD**



407 S. Gay St.
Level 1: Sign

Original Print Date: 1/3/2025
Revised:
Knoxville/Knox County Planning · Downtown Design Review Board





DESIGN REVIEW REQUEST

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

T and T Signs, Inc. / Suttrees Tavern

Applicant	January 15, 2025	
12/19/2024	X —	1-A-25-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

Lori Colborn	T and T Signs, Inc.		
Name	Company		
PO Box 1094	Alcoa	TN	37701
Address	City	State	Zip
865-977-7095	lcollins@tandt signs.com		
Phone	Email		

CURRENT PROPERTY INFO

411 Gay St LLC	1803 Clinch Ave Knoxville, TN 37916	
Owner Name (if different from applicant)	Owner Address	Owner Phone
407 S Gay St Knoxville, TN 37902	094LE004	
Property Address	Parcel ID	
Neighborhood	Zoning	

AUTHORIZATION

<i>Lindsay Crockett</i>		
Staff Signature	Please Print	Date
<i>Lori Colborn</i>	Lori Colborn	12/19/2024
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

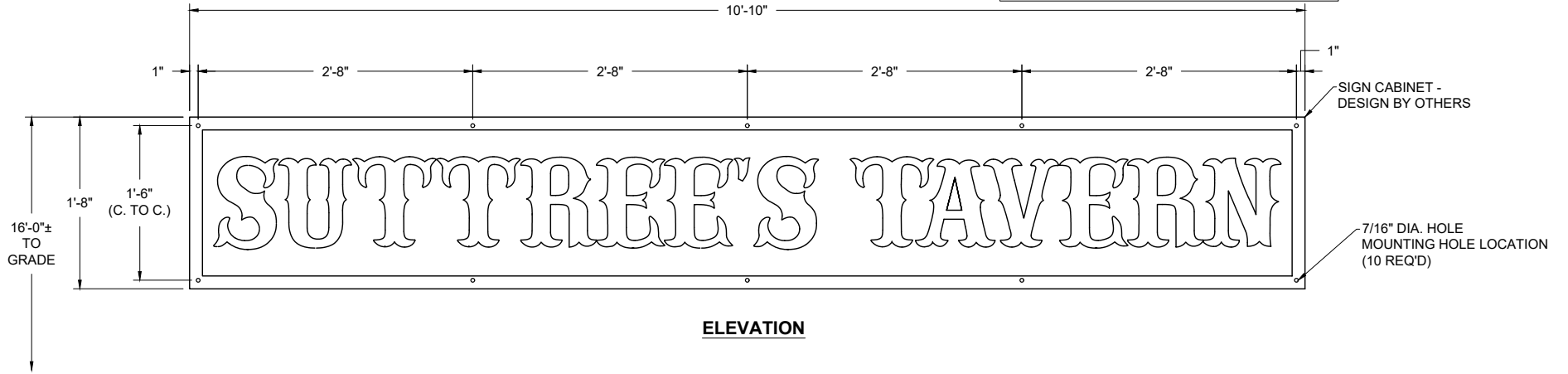
Level 1: \$50 • **Level 2:** \$100 • **Level 3:** \$250 • **Level 4:** \$500

FEE 1:		TOTAL: \$50.00
FEE 2:		
FEE 3:		
		Pd. 12/19/2024, SG

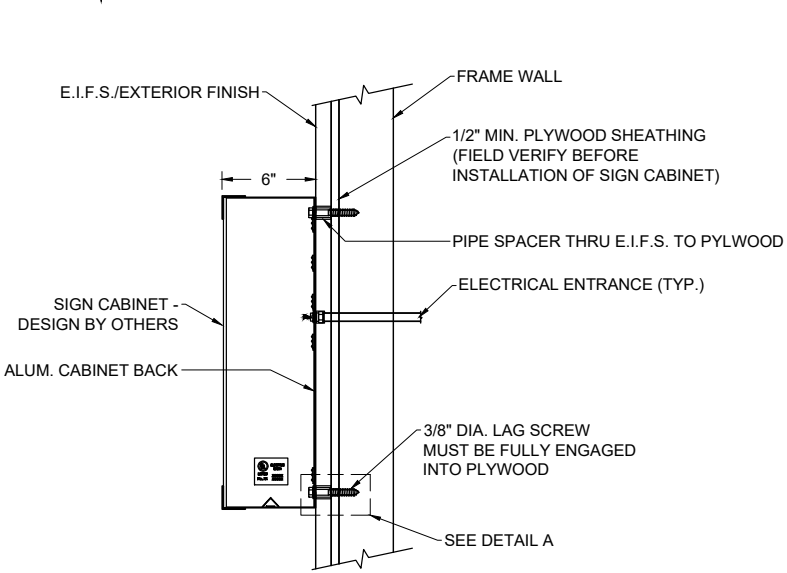
SIGN CABINET
DESIGN BY OTHERS.

ELECTRICAL/ILLUMINATION
DESIGN BY OTHERS.

GRAPHICS DEPICTED ON THIS DRAWING
ARE FOR ILLUSTRATIVE PURPOSES ONLY! USE
ONLY APPROVED ARTWORK FOR PRODUCTION.

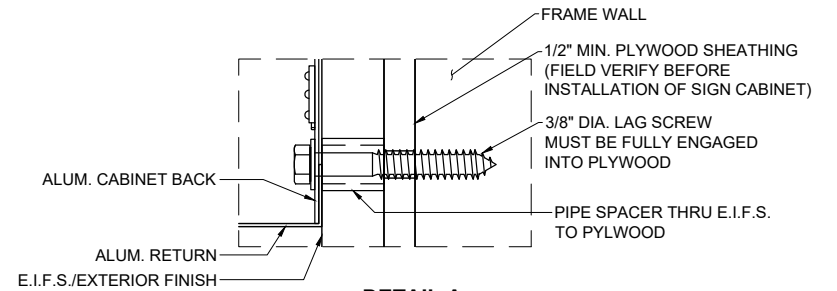


ELEVATION



SIDE VIEW

THE SCOPE OF THIS ENGINEER IS LIMITED TO THE ATTACHMENT OF THE SIGN CABINET TO THE BUILDING WALL. ALL OTHER ASPECTS OF THIS DESIGN ARE EXPLICITLY EXCLUDED.



DETAIL A

This item has been electronically signed and sealed by Gregory A. Campbell, P.E., 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.

NOTE: All designs depicted on this drawing are the sole property of Campbell Consulting Engineering, LLC developed specifically for this project. Use of these designs for any purpose other than the intended application without written consent of Campbell Consulting Engineering, LLC is prohibited. Disclosure of the information presented herein, without Owner's consent, is a violation of intellectual property and will not be tolerated.

SUTTREE'S TAVERN
409 S. GAY ST
KNOXVILLE, TN

CLIENT:

T & T SIGNS, INC
3026 N PARK BLVD.
ALCOA, TN 37701



382 HIGH STREET MARYVILLE, TN 37804 865-980-8881 CCENGINEER.COM

SHEET	BY	PROJECT NO.
1	RDG	24-0109
OF	DATE	DRAWING NO.
2	12/18/2024	B1240014

WALL SIGN CALCULATIONS

CLIENT: T&T SIGNS
 END USER: SUTTREE'S TAVERN
 PROJECT #: 24-0109
 DRAWING #: B124014
 CITY: KNOXVILLE
 STATE: TN
 BLDG CODE: IBC 2018
 REF. STD.: ASCE 7-16

DESIGN WIND SPEED: 115 MPH
 DESIGN WIND PRESSURE: -20.80 PSF
 DESIGN SNOW LOAD: 10 PSF
 ESTIMATED SIGN WEIGHT: 6 PSF
 SIGN CABINET DEPTH: 8 IN
 FASTENER SPCG - VERT.: 18 IN
 SPACED OFF WALL: 0 IN

SECTION	HEIGHT (ft)	LENGTH (ft)	AREA (ft ²)	AREA (ft ²)	WIND LOAD (lb)	DEAD LOAD (lb)	SNOW LOAD (lb)	FASTENER QTY	FASTENER	FASTENER	FASTENER	AVERAGE	MAXIMUM
									SHEAR (lb)	TENSION (lb)	TENSION (lb)	FASTENER (lb)	FASTENER (lb)
1	20	17	340	2361	49113	14167	9444	2	11806	5247	24557	11806	29804
2	20	32	640	4444	92449	26667	17778	2	22222	9877	46224	22222	56101
3	20	32	640	4444	92449	26667	17778	2	22222	9877	46224	22222	56101
4	20	32	640	4444	92449	26667	17778	2	22222	9877	46224	22222	56101
5	20	17	340	2361	49113	14167	9444	2	11806	5247	24557	11806	29804

TENSION PER FASTENER = 56.10 LB
 SHEAR PER FASTENER = 22.22 LB

Wall Signage - Treated as Components & Cladding

Wind Speed 115 mph
 Exposure C
 Zone 5
 Height 16 Ft
 Sign Area 18 Ft²

Determine wind pressure from ASCE 7-16 Chapter 30

Chapter 30: Wind Loads - Components & Cladding

$p = q * (G_{Cp} - G_{Cpi})$ 0

$q = 0.00256 * K_z * K_{zt} * K_d * V^3$ (eq 26.10-1)

$K_z = 0.86$ (Table 26.10-1)
 $K_d = 0.85$ (Table 26.6-1)
 $K_{zt} = 1$ (Section 26.8)
 $V = 115$

$q = 24.76303$

$G_{Cp} = -1.4$ (From Figure 30.3-1 for $h <= 60$ ft and from Figure 30.5-1 for $h > 60$ ft)

$p = -34.67$ psf

Design Wind Pressure = -20.80 psf

Notes:

- Design Criteria:
 Building Code: IBC 2018
 Wind Speed: 115 mph, EXP C, Category II
 Design Snow Load: 10 PSF
- Additional wind catching surfaces are being added to the building structure. Determination of the adequacy of the building structure is by others.
- Electrical design, where applicable, is by others.
- Maximum tension per fastener: 57 LB
 Maximum shear per fastener: 23 LB
- All fasteners shall be zinc coated or stainless steel to prevent corrosion.
- This engineer will not be responsible for the safety on this job site before, during, or after installation of the signs. It is the responsibility of the owners, contractors and installers to ensure that the installation and erection of the signs are performed using methods that fully comply with OSHA regulations.
- Any deviation from this design or from any part of this drawing, including these notes, without prior written consent from this engineer voids this drawing in its entirety.
- The signs depicted on this drawing are intended to be installed at the address shown and should not be used at any other location.

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 ALCOA, TN 37701



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SHEET 2	BY RDG	PROJECT NO. 24-0109
OF 2	DATE 12/18/2024	DRAWING NO. B1240014



RETURNS 5" EXTRUDED ALUMINUM RETURNS

BACK ALUMINUM BACK

RETAINER 1.5" ALUMINUM RETAINER

FACES WHITE LEXAN FACE

ILLUMINATION 24V LED

POWERSUPPLIES 24V-100W LED-SELF CONTAINED

SINGLE SIDED

DRAIN HOLES

MOUNTED FLUSH TO WALL



Sign: 130" w x 20" h

Frontage: 278"

Ground to bottom of sign: 264"