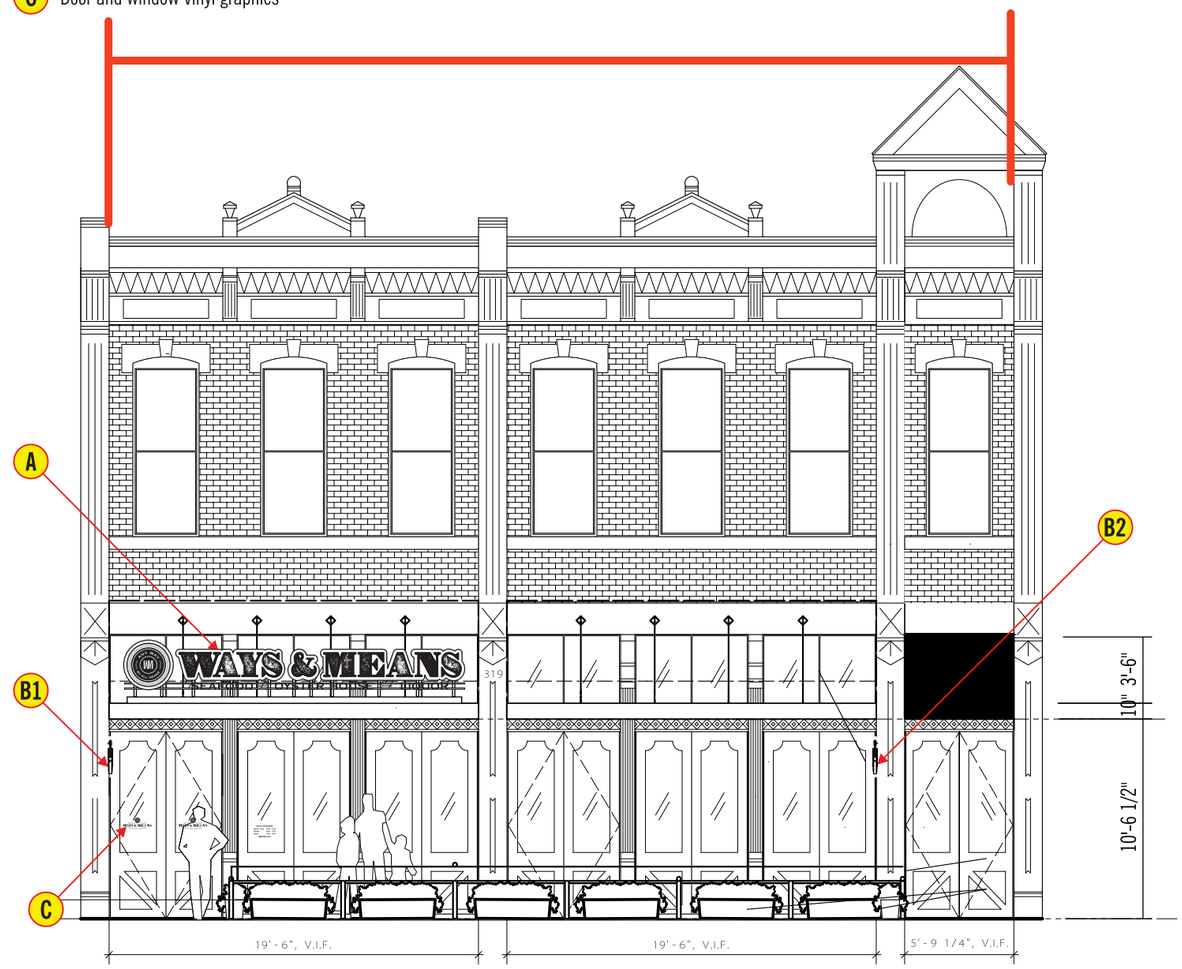
Proposed awning mounted primary identification sign shown at an approx. scale in photo

Key

- A Primary ID Sign
- B1 B2 Blade Signs
- C Door and window vinyl graphics



Front Elevation
Scale: 1/8" = 1' - 0"

RAMSAY SIGNS PRODUCTION PRINT
DESIGN HAS BEEN REVIEWED FOR POTENTIAL PROBLEMS AND ACCURACY BY:
DESIGN: Garrett M DATE: 11/16/18
SALES: DATE: 11/16/18

RAMSAY SIGNS Est. 1911
9160 SE 74th Ave
Portland OR 97206
503.777.4555
800.613.4555
Fax 503.777.0220
ramsaysigns.com

Client:
Ways & Means Oyster House
319 Congress Avenue
Austin Texas
78701

Date:
05/10/18
Project Manager:
Darin Hauer
Designer:
Garrett Mattimoe

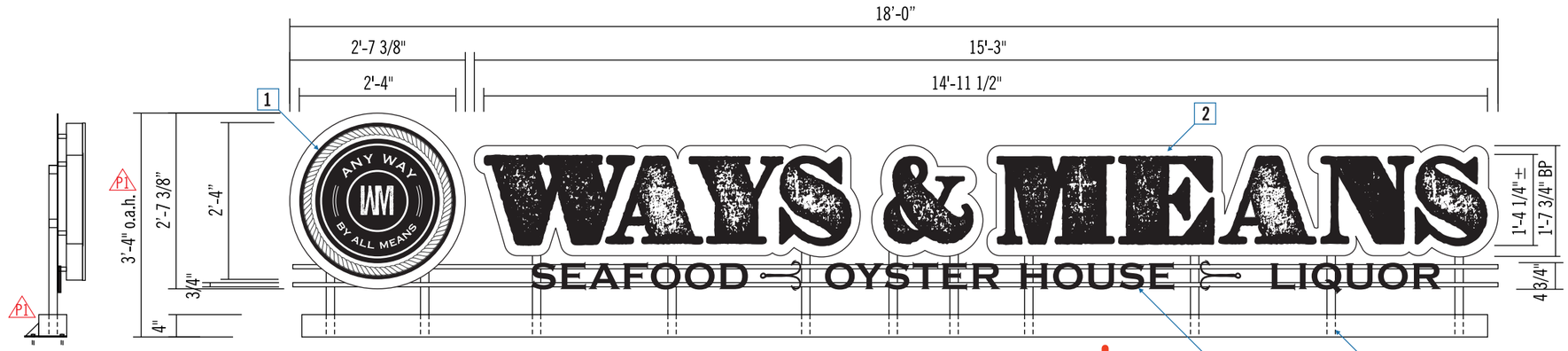
Client Approval + Date

Landlord Approval + Date

Revisions:
R1 removed and revised page 2 callouts, 05/29/18
P1 12/17/18 sign A adjusted to canopy survey, Sign increased 5" in height to avoid existing guy wires

L73 Grounding and Bonding Statement for each permanently connected sign the following statement or equivalent "This sign is intended to be installed in the 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" should be either directly marked on the sign or label attached to the sign, included in the installation instructions, or provided on a separate sheet or tag shipped with the sign.

18-568-R1-P1



End View

A Sign Layout

47 Sq.Ft.

Scale: 1/2" = 1' - 0"

Vinyl Color Chart

230-22 Matte Black

230-61 Slate Grey

Letter finish

Distressed Black paint: Faux Painted Black with White faux finish

Paint Color Chart

P1 Black

P2 White - satin finish

P3 PMS 429c Silver

Manufacture and install one (1) face and halo-illuminated channel logo and letterset on backer-panels and frame with FCO copy

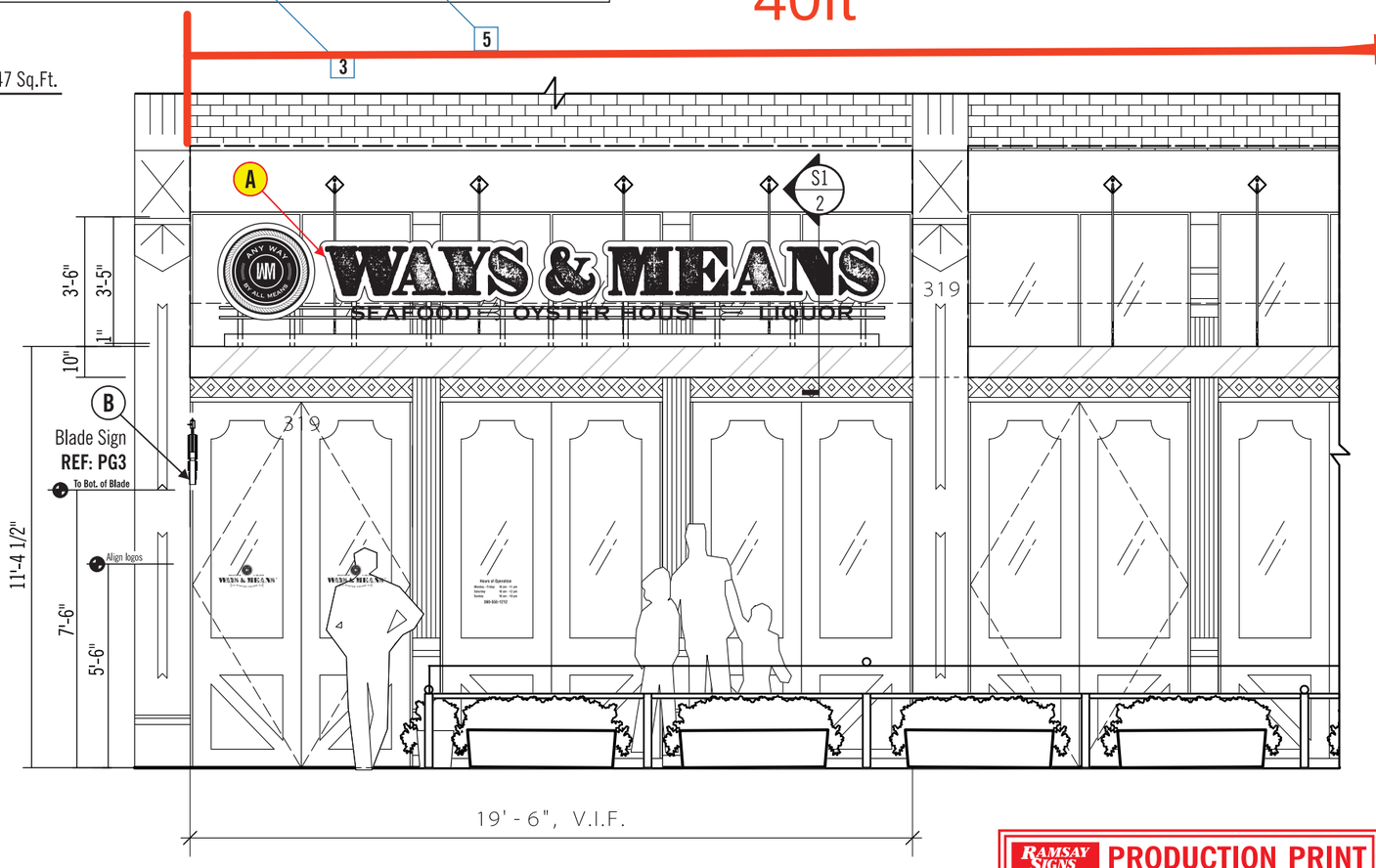
1 **28" diameter logo symbol** to be fabricated 3" deep aluminum cabinet with 1/8" aluminum face painted Black per color chart. Internally illuminate using White LED grid with remote located 60 watt power supplies. Face graphics to be 3/4" thick clear acrylic push-thru (1/2" visible edge). 3M 230-10 White vinyl first layer with 220-22 Matte Black vinyl graphic overlay. Diffused White vinyl applied to backside of acrylic

2 **"WAYS & MEANS" logotype letters** to be fabricated aluminum, 1/8" aluminum oversized rough-cut faces painted Black with faux painted face graphics. Aluminum returns inset from face painted to match PMS 429c Silver. White diffused acrylic backs stood-off 1 1/2" from 1/8" aluminum backer-panel painted White

3 **FCO copy** to be 1/2" thick acrylic painted Black mounted to 1/4" thick aluminum flat-bar painted White

4 **Support frame** to be fabricated from 1 1/2" aluminum square tube painted White. Supports extend into raceway located behind awning face as per detailed field survey and following engineering

P1 5 **Raceway** to be fabricated aluminum with saddles inside to accept vertical supports. Raceway is connected to canopy using required mechanical fasteners



A1 Partial Elevation @ Storefront

Scale: 1/4" = 1' - 0"

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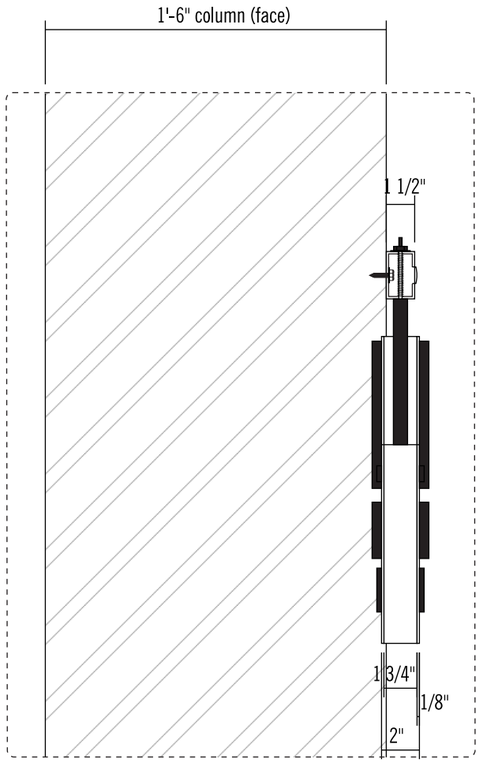
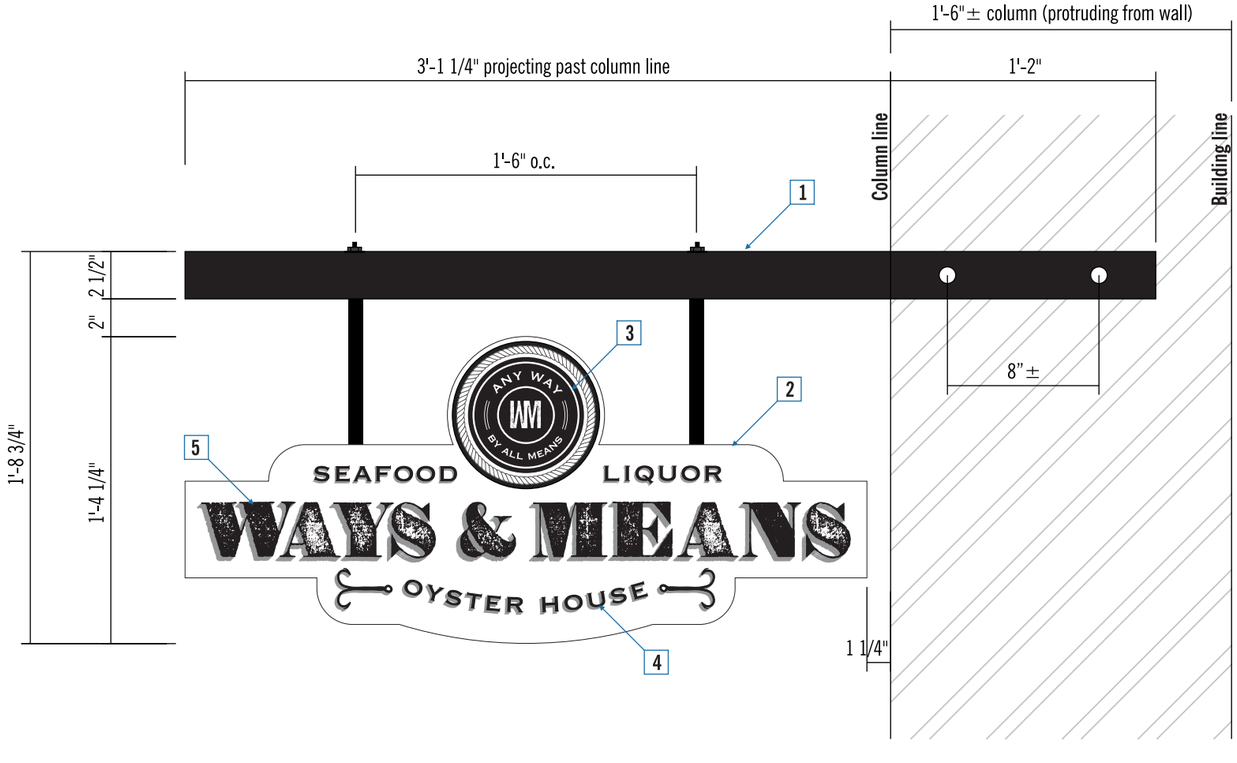
18-568-R1-P1



D1 Detail - Blade Sign End View

Scale: 1 1/2" = 1' - 0"

** B2 Blade sign support fasteners will be on opposite side for installation on second column*



B1 B2 Double Face Projecting Blade Sign / Non-Illuminated

4 Sq.Ft.

Scale: 1 1/2" = 1' - 0"

Manufacture and install two (2) non-illuminated double face projecting blade signs - column mounted

1. **Mounting bracket** to be 2 1/2 x 1 1/2 x 1/8" aluminum rectangular tube with ends capped and sealed. Two 7/8" diameter holes drilled to allow bolt fasteners through 1/8" rectangular tube wall into column wall. Two 3/4" aluminum square tube arm supports as required. Paint Black
2. **Sign panel** to be fabricated aluminum at 2" deep, paint White per color chart. Supports to be 1" square tube painted Black - verify connection
3. **Logo symbol** to be 1/2" thick acrylic painted Black with digitally printed face graphics onto matte White adhesive vinyl with 3M matte clear UV protective overlaminate
4. **Sub text and hook graphic** to be 1/4" thick acrylic painted Black
5. **"WAYS & MEANS" logotype letters** to be 1/2" thick acrylic painted Black

Digital Print Vinyl

Logo printed onto matte White adhesive vinyl with 3M matte clear UV protective overlaminate

Letter finish

Distressed Black paint:
Faux Painted Black with White faux finish

Paint Color Chart

P1 Black - satin finish

P2 White - satin finish

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18-568-R1-P1

Manufacture and install two (2) sets of door vinyl logo graphics and one (1) set of hours of operation vinyl graphics

Vinyl Color Chart

3M 7725-10 White

1 Door logo graphic to be applied digitally printed vinyl - White graphics on clear adhesive vinyl with die-cut - 1st surface

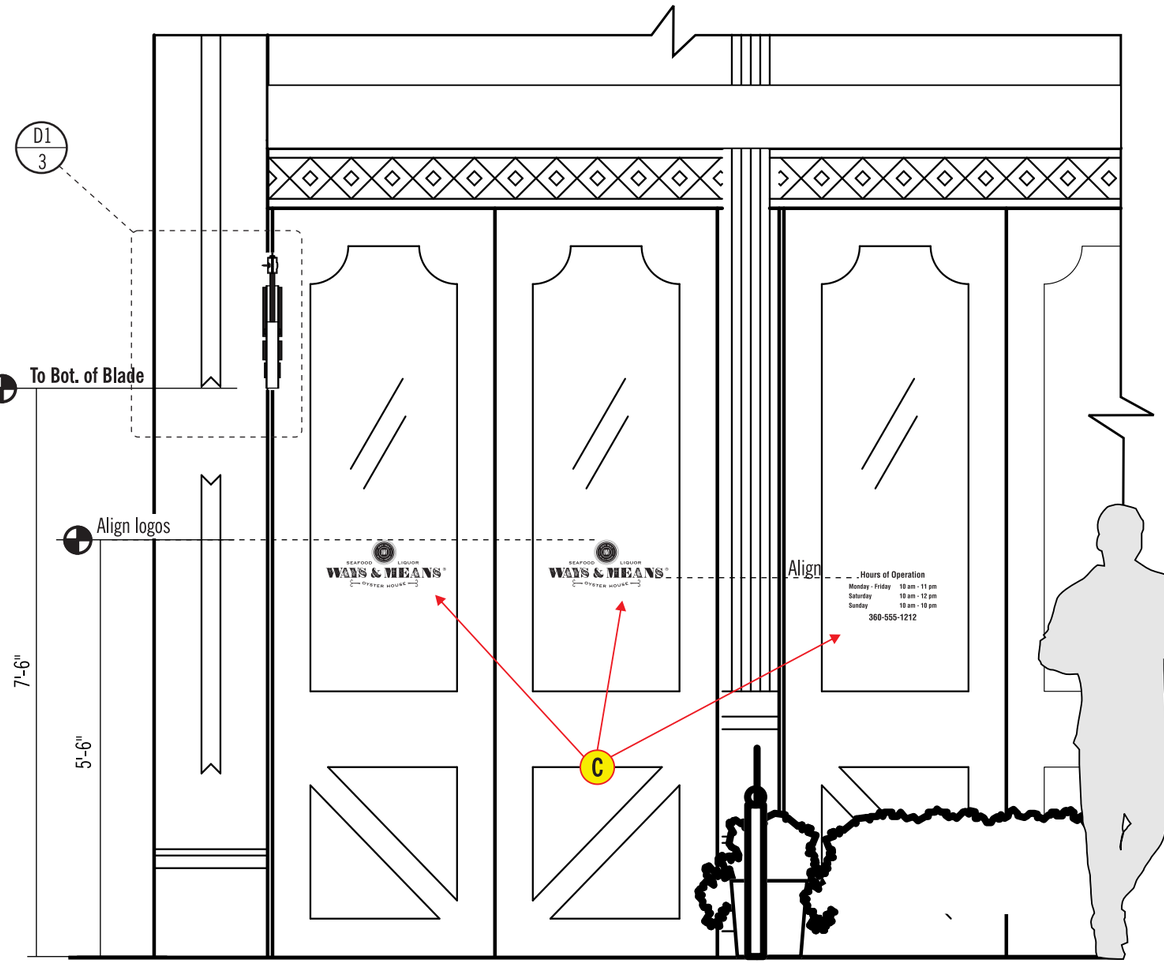
2 Hours of Operation to be 3M 7725-10 White vinyl - 1st surface

** Logo and operational hours are shown Black for proofing*

DOOR ID LOGO / QTY: 2

** Operational hours are for presentation only - exact hours to be verified*

HOURS OF OPERATION / QTY: 1



C Double Door & Window Vinyl Graphics
Scale: 3" = 1' - 0"

C1 Partial Front Elevation @ Entry
Scale: 1/2" = 1' - 0"

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SALES: D. C.I DATE: 11/16/18

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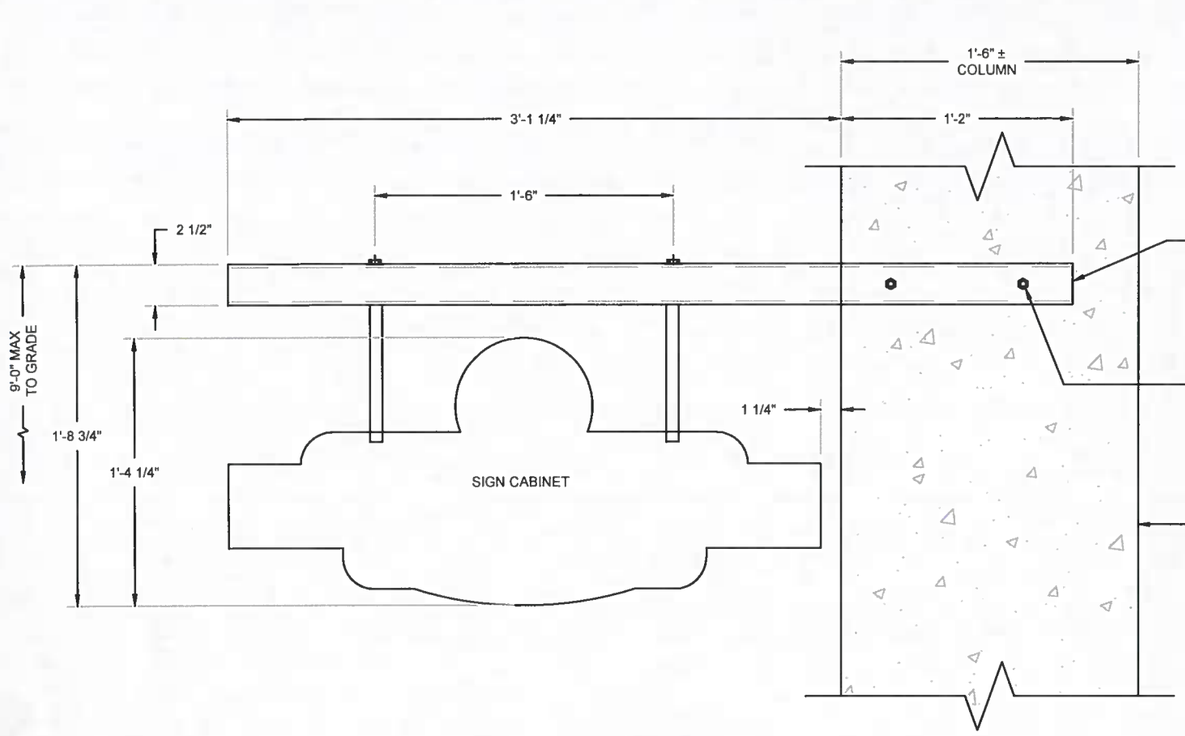
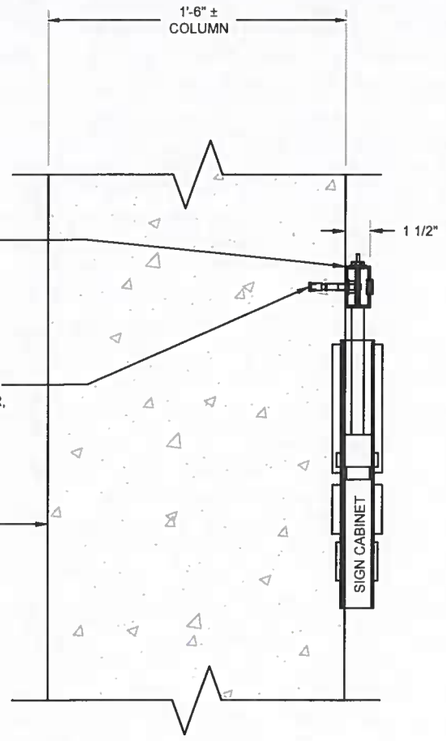


ELEVATION
N.T.S.



SIDE VIEW
N.T.S.

Sign Design Based on 2015 IBC

Job #	JTS_251118				
Project	Ways & Means Oyster House - Blade Sign				
Job Location	319 Congress Ave.				
	Austin, TX				
INPUT DATA					
Exposure category (B, C or D)			=	C	
Risk Category			=	II	
Nominal Design wind speed		Vult	=	115	mph
Topographic factor		K_{zt}	=	1	Flat
Height of the sign		h	=	9	ft
Avg. Vertical dimension (for wall, s = h)		s	=	0.99	ft
Horizontal dimension		B	=	3.11	ft
Dimension of return corner		L_r	=	0.17	ft

ANALYSIS

Velocity pressure

$q_h = 0.00256\ K_h K_{zt} K_d V^2$ = 24.46 psf

where:

q_h = velocity pressure at height h. (Eq. 29.3-1, page 249)

K_h = velocity pressure exposure coefficient = 0.85

evaluated at height above ground level, h (Tab. 29.3-1, pg 251)

K_d = wind directionality factor. (Tab. 26.6-1, page 194) = 0.85

Wind Force Case A: resultant force though the geometric center (Sec. 29.4.1 & 29.4-1)

Max horizontal wind pressure = $p = q_h G C_f$ = 38.02 psf

where: G = gust effect factor. (Sec. 26.9, page 198). = 0.85

C_f = net force coefficient. (Fig. 29.4-1, page 252) 1.83

A_s = B s = the gross area = 3.1 ft^2

Estimated sign weight = 18.48 Lbs

DESIGN SUMMARY

Allowable Stress Design Wind Factor =	0.6		
Design Wind Pressure =	0.6 x p =	22.81	psf
Design Windforce, F =	22.81 x As =	0.07	kips
	Moment Arm =	1.6	ft
Design Moment = F x moment arm =		0.112	kip-ft

Pole Design Alum. Rect. Tube

Sec. Mod. Req'd. USE 6061-T6 F_{ty} = 35.00 ksi

Sy =	0.08	RT 1 1/2 x 2 1/2 x 1/8			Sy=0.449	
b =	1.5	b - t =	1.375	a =	3.266	in^2
d =	2.5	d - t =	2.375			
t =	0.125					

Torsion constant, C:

C = 2(b-t)(d-t)t - 4.5(4-3.1416)t^3

C =	6.524	
F_s =	21.00	ksi
$T_n = F_s C$ =	137.00	
T_n / Ω =	83.03	ksi
Torsion =	0.61	kip-in.
Torsional stress =	0.74	ksi
Unity =	0.03	<1.0 (Ok)

Anchor Design Hilti KB-TZ Stainless Steel Exp. Anchors

Tension Req'd. USE ICC-ESR#1917

T = 169 | 3/8" Dia., 2 5/16" Nom. Embed. | T=866

STATE OF TEXAS
TONY JACOB
117533
LICENSED
PROFESSIONAL ENGINEER
Y.J. Inc. 12/18/2018
F-19272

NOTE: SPECIAL INSPECTION REQUIRED FOR POST INSTALLED ANCHORS PER ICC-ESR#1917

NOTES :

GENERAL :

- SIGN DESIGN IS BASED ON ADEQUATE EXISTING SUPPORT ELEMENTS.
- PROVIDE ISOLATION OF DISSIMILAR MATERIALS.
- COAT ALUMINUM IN CONTACT WITH CONCRETE WITH ZINC RICH PAINT.
- THERE IS NO PROTECTION ZONE AS DEFINED IN AISC 341-10.
- PROVIDE FULLY WELDED END CAPS AT EXPOSED OPEN ENDS OF STEEL / ALUM. TUBES, MATCH THICKNESS LIKE FOR LIKE.
- SLOPE TOP OF EXPOSED FOOTING AWAY FROM DIRECT BURIAL POSTS

ANCHORS :

- BRAND NAME APPROVED POST INSTALLED ANCHORS SPECIFIED ON PLANS MAY BE SUBSTITUTED BY APPROVED EQUAL.

STEEL :

DESIGN AND FABRICATION ACCORDING TO 2015 IBC

- PLATE, ANGLE, CHANNEL TEE, AND WIDE FLANGE: ASTM A36
- ROUND PIPE: ASTM A53 GRADE B OR EQUIVALENT.
- HSS ROUND, SQUARE, AND RECTANGULAR TUBE: ASTM A500 GRADE B OR EQUIVALENT
- ALL ANCHORS BOLTS SHOULD BE: ASTM F1554
- ALL STEEL MACHINED BOLTS SHOULD BE: ASTM A307
- ALL STAINLESS STEEL MACHINED BOLTS SHOULD BE: ASTM F593
- ZINC COATED (HOT DIPPED) PER: ASTM A153 OR F2329
- BEARING TYPE CONNECTION REINFORCING REBAR: ASTM A615 GRADE 60 DEFORMED BARS

ALUMINUM :

DESIGN AND FABRICATION ACCORDING TO 2015 ALUM. DESIGN MANUAL

- PLATES, ANGLES, CHANNELS, TEE, AND SQUARE TUBING: ALUMINUM ALLOY 6061 - T6 WITH 0.098 LBS PER CUBIC INCH.

WELDING :

STEEL

DESIGN AND FABRICATION ACCORDING TO AWS D1.1.

- AWS CERTIFICATION REQUIRED FOR ALL STRUCTURAL WELDERS.
- E70 XX ELECTRODE FOR SMAW PROCESS.
- E70S XX ELECTRODE FOR GMAW PROCESS.
- ER7 XX ELECTRODE FOR GTAW PROCESS.
- E70T XX ELECTRODE FOR FCAW PROCESS.

ALL WELDS SHALL BE MADE WITH A FILLER METAL THAT CAN PRODUCE WELDS THAT HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LB AT ZERO 0° AS DETERMINED BY THE APPROPRIATE AWS A5 CLASSIFICATION TEST METHOD OR MFG'S. CERTIFICATION.

ALUMINUM

DESIGN AND FABRICATION ACCORDING TO AWS D1.2.

ALL WELDING IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS A.5.10. FILLER ALLOYS PER TABLES M.9.1 & M.9.2 OF 2015 ALUMINUM DESIGN MANUAL.

www.yjinc.com
P.O. BOX 802050
SANTA CLARITA, CA. 91380
TEL. (661)259-0700 FAX. (661)259-0900

SHEET TITLE:

WAYS & MEANS OYSTER HOUSE BLADE

DRN BY: J.J.	DATE LAST REVISED: Dec 18, 2018	REV. NO.	REV. DATE	REVISED BY	PROJECT JOB #: JTS_251118_Ways & Means Oyster House_Blade_Congress Avenue_Austin_TX.dwg
CHK BY: T.J.	PROJ. START DATE: DEC 14, 2018	1	--/--/--	—	PROJECT LOCATION: WAYS & MEANS OYSTER HOUSE 319 CONGRESS AVENUE AUSTIN, TX
REV BY: T.J.	SCALE: AS SHOWN	2	--/--/--	—	SHEET # 1 OF 1
plotted by: yjinc on 12.18.2018 @ 8:19 AM		3	--/--/--	—	