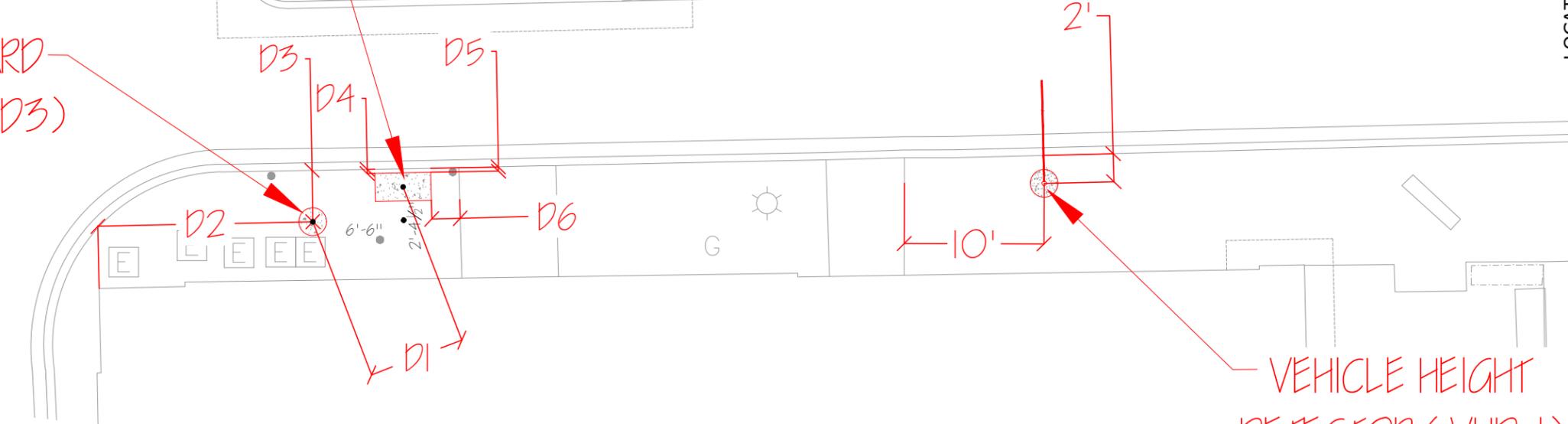


DRIVE THRU
CANOPY SYSTEM
(DTC-3)

MENU BOARD
(MB-DT-DD3)

VEHICLE HEIGHT
DETECTOR (VHD-1)



NOTE: ANY DEVIATION GREATER THAN TOLERANCES GIVEN IN THE TABLE MUST BE APPROVED BY SPRINGFIELD SIGN & NEON IN WRITING. SSN WILL SEEK OUT C.F.S.I. APPROVAL FOR CHANGE.

MENU BOARD FOOTING TO BE LOCATED PER G.C./ SURVEYOR OF RECORD. BALANCE OF FOOTINGS SIMILARLY LOCATED OR PER THE D1-D6 TABLE GIVEN. EITHER METHOD MUST CONFIRM TOLERANCES AND DIMENSIONS ABOVE.

LAYOUT

NOTE: SURVEYOR/ G.C. OF RECORD SHALL STAKE ALL FOOTING CENTER LOCATIONS. IF THIS CANNOT BE DONE, USE LAYOUT SEQUENCE GIVEN BELOW.

WITH EITHER METHOD, EITHER BY SURVEYOR OR LAYOUT SEQUENCE, THE DIMENSIONS WITH ABOVE STATED TOLERANCES MUST BE CONFIRMED BY SIGN INSTALLER. ANY DEVIATIONS MUST BE PRESENTED TO SPRINGFIELD SIGN & NEON IN WRITING. SPRINGFIELD SIGN & NEON WILL RESOLVE THE CONFLICT SO THAT INSTALLER CAN PROCEED.

LAYOUT SEQUENCE

VERIFY GENERAL FIELD (AS-BUILT) CONDITIONS TO MATCH PROVIDED DRAWINGS. DON'T GUESS-CALL WITH ANY QUESTIONS.

-LOCATE THE CENTER POINT OF THE PRIMARY MENU BOARD FOOTING WITH DIMENSIONS D2 & D3

-USE DIMENSIONS D1 & D5 TO POSITION THE OTHER FOOTING, (CANOPY) RELATIVE TO THE MENU BOARD FOOTING

-ROTATE THE PLACEMENT (USING D1 & D5) AROUND THE MENU BOARD FOOTING UNTIL DIMENSIONS D4 & D6 ARE CONFIRMED. ALL POINTS SHOULD BE STAKED AND READY TO LAY OUT.

* DIMENSION	MEASUREMENT	DEVIATION ALLOWED (TOLERANCE)
D1	6'-11 1/16"	+ / - 2" MAXIMUM
D2	15'-4 9/16"	+ / - 2" MAXIMUM
D3	3'-8"	+ / - 2" MAXIMUM
D4	3 1/2"	+ / - 1" MAXIMUM
D5	3 1/2"	+ / - 2" MAXIMUM
D6	2'-0 7/16"	+ / - 2" MAXIMUM

SCALE 1" = 10'

LOCATION:

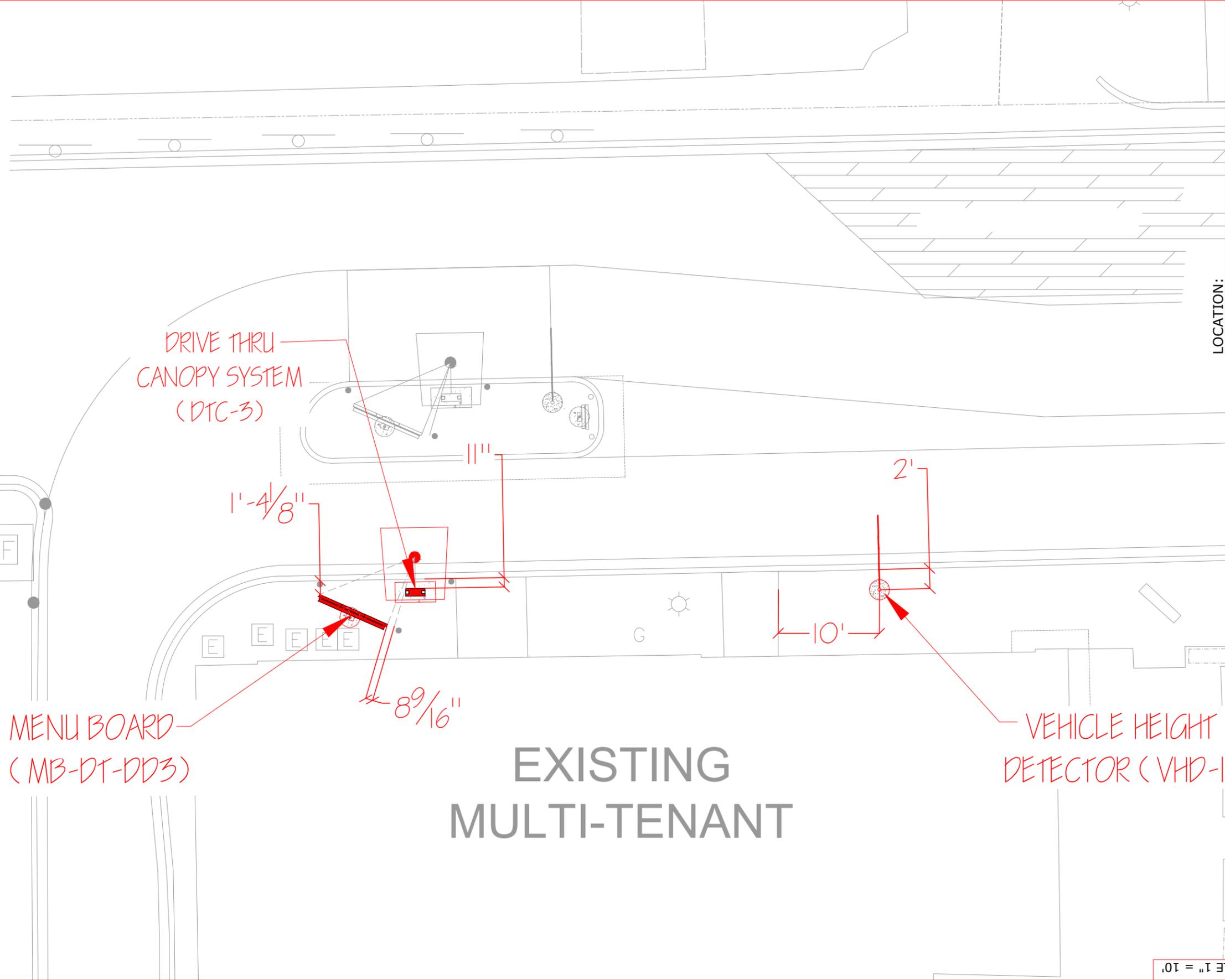
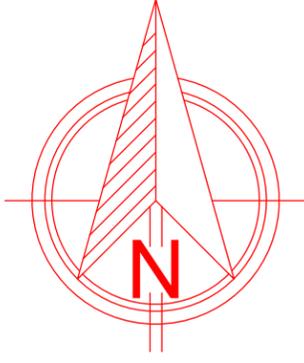
ELM GROVE, WI.

CULVER FRANCHISING SYSTEM, INC.
DRIVE THROUGH/MENU BOARD
LAYOUT

Client:
Culver Franchising System, Inc.
540 Water Street
Prairie du Sac, WI 53578
p (608) 643-7980

SPRINGFIELD SIGN
4825 E. Kearney St.
Springfield, MO 65803
(417) 862-2454

Project No.: 70034
Drawn By: CLH
Reviewed By: MW
Date: 2-11-26
Sheet Number:
1 OF 4



DRIVE THRU
CANOPY SYSTEM
(DTC-3)

MENU BOARD
(MB-DT-DD3)

VEHICLE HEIGHT
DETECTOR (VHD-1)

EXISTING MULTI-TENANT

SCALE 1" = 10'

LOCATION:

ELM GROVE, WI.

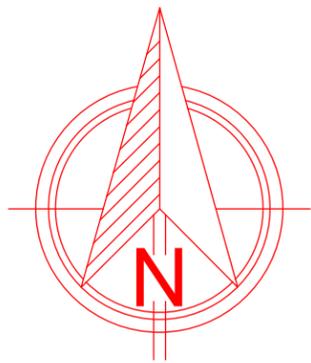
CULVER FRANCHISING SYSTEM, INC.
DRIVE THROUGH/MENU BOARD
LAYOUT

Client:
Culver Franchising System, Inc.
540 Water Street
Prairie du Sac, WI 53578
p (608) 643-7980

SPRINGFIELD SIGN
4825 E. Kearney St.
Springfield, MO 65803
(417) 862-2454

Project No.: 70034
Drawn By: CLH
Reviewed By: MW
Date: 2-11-26

Sheet Number:
2 OF 4

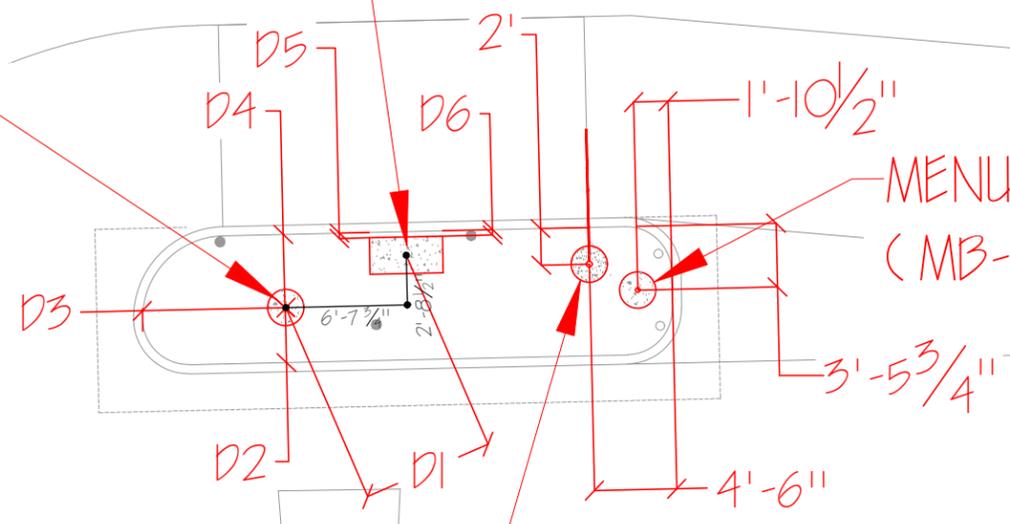


MENU BOARD
(MB-DT-DD3)

DRIVE THRU
CANOPY SYSTEM
(DTC-3)

MENU BOARD
(MB-DT-DD1)

VEHICLE HEIGHT
DETECTOR (VHD-1)



LOCATION:

ELM GROVE, WI.

**CULVER FRANCHISING SYSTEM, INC.
DRIVE THROUGH/MENU BOARD
LAYOUT**

Client:
Culver Franchising System, Inc.
540 Water Street
Prairie du Sac, WI 53578
p (608) 643-7980

SPRINGFIELD SIGN
4825 E. Kearney St.
Springfield, MO 65803
(417) 862-2454

NOTE: ANY DEVIATION GREATER THAN TOLERANCES GIVEN IN THE TABLE MUST BE APPROVED BY SPRINGFIELD SIGN & NEON IN WRITING. SSN WILL SEEK OUT C.F.S.I. APPROVAL FOR CHANGE.

MENU BOARD FOOTING TO BE LOCATED PER G.C./ SURVEYOR OF RECORD. BALANCE OF FOOTINGS SIMILARLY LOCATED OR PER THE D1-D6 TABLE GIVEN. EITHER METHOD MUST CONFIRM TOLERANCES AND DIMENSIONS ABOVE.

LAYOUT

NOTE: SURVEYOR/ G.C. OF RECORD SHALL STAKE ALL FOOTING CENTER LOCATIONS. IF THIS CANNOT BE DONE, USE LAYOUT SEQUENCE GIVEN BELOW.

WITH EITHER METHOD, EITHER BY SURVEYOR OR LAYOUT SEQUENCE, THE DIMENSIONS WITH ABOVE STATED TOLERANCES MUST BE CONFIRMED BY SIGN INSTALLER. ANY DEVIATIONS MUST BE PRESENTED TO SPRINGFIELD SIGN & NEON IN WRITING. SPRINGFIELD SIGN & NEON WILL RESOLVE THE CONFLICT SO THAT INSTALLER CAN PROCEED.

LAYOUT SEQUENCE

VERIFY GENERAL FIELD (AS-BUILT) CONDITIONS TO MATCH PROVIDED DRAWINGS. DON'T GUESS-CALL WITH ANY QUESTIONS.

-LOCATE THE CENTER POINT OF THE PRIMARY MENU BOARD FOOTING WITH DIMENSIONS D3 & D4
-USE DIMENSIONS D1 & D5 TO POSITION THE OTHER FOOTING, (CANOPY) RELATIVE TO THE MENU BOARD FOOTING

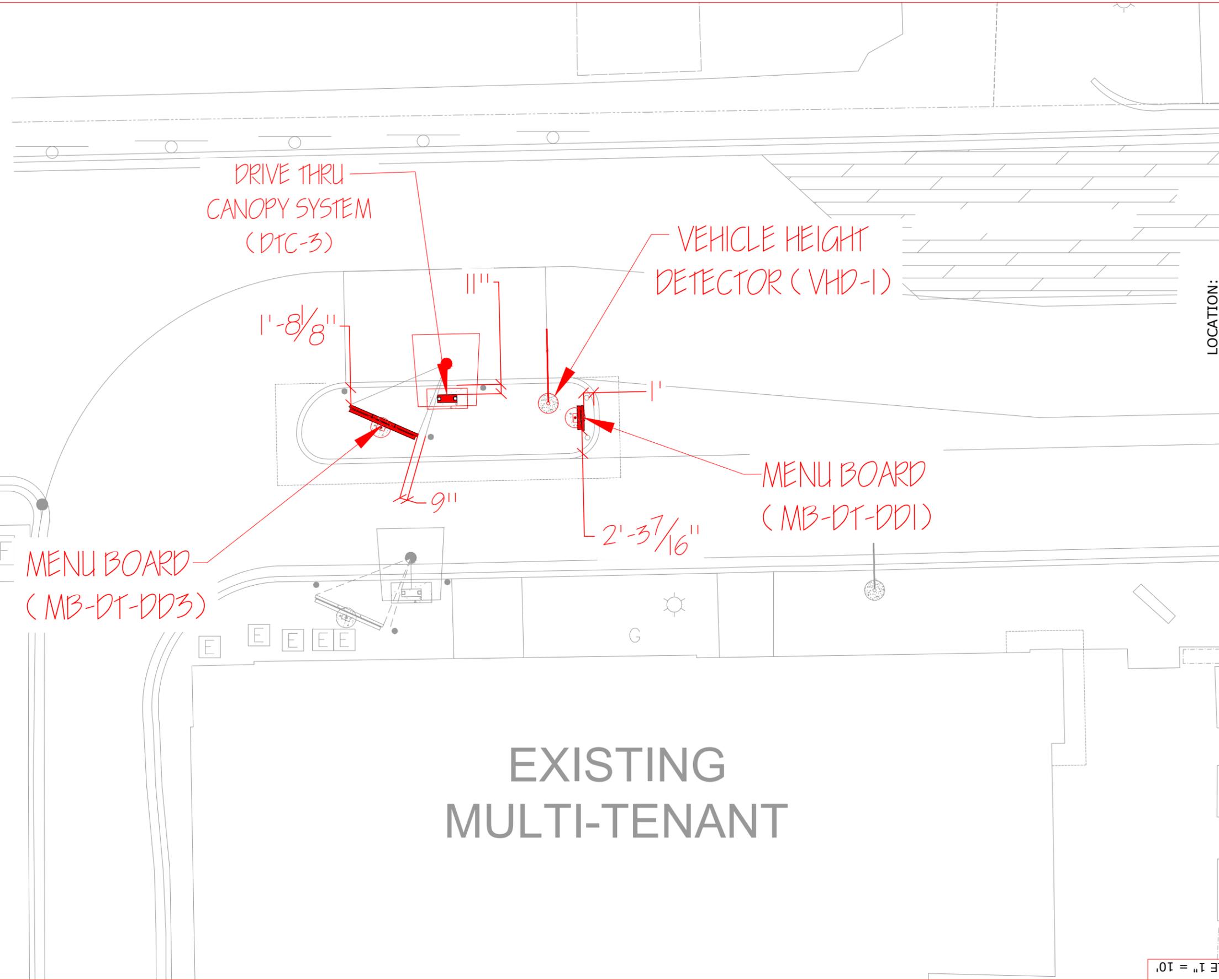
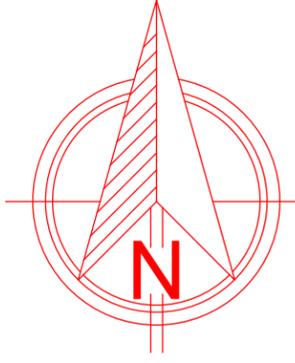
-ROTATE THE PLACEMENT (USING D1 & D5) AROUND MENU BOARD FOOTING UNTIL DIMENSIONS D2 & D6 ARE CONFIRMED. ALL POINTS SHOULD BE STAKED AND READY TO LAY OUT.

* DIMENSION	MEASUREMENT	DEVIATION ALLOWED (TOLERANCE)
D1	7'-2 1/8"	+ / - 2" MAXIMUM
D2	3'-0"	+ / - 2" MAXIMUM
D3	7'-10 1/4"	+ / - 2" MAXIMUM
D4	4'-0"	+ / - 1" MAXIMUM
D5	3 1/2"	+ / - 2" MAXIMUM
D6	3 1/2"	+ / - 2" MAXIMUM

SCALE 1" = 10'

Project No.: 70034
Drawn By: CLH
Reviewed By: MW
Date: 2-11-26

Sheet Number:
3 OF 4



DRIVE THRU
CANOPY SYSTEM
(DTC-3)

VEHICLE HEIGHT
DETECTOR (VHD-1)

MENU BOARD
(MB-DT-DD1)

MENU BOARD
(MB-DT-DD3)

EXISTING
MULTI-TENANT

SCALE 1" = 10'

LOCATION:

ELM GROVE, WI.

Client:

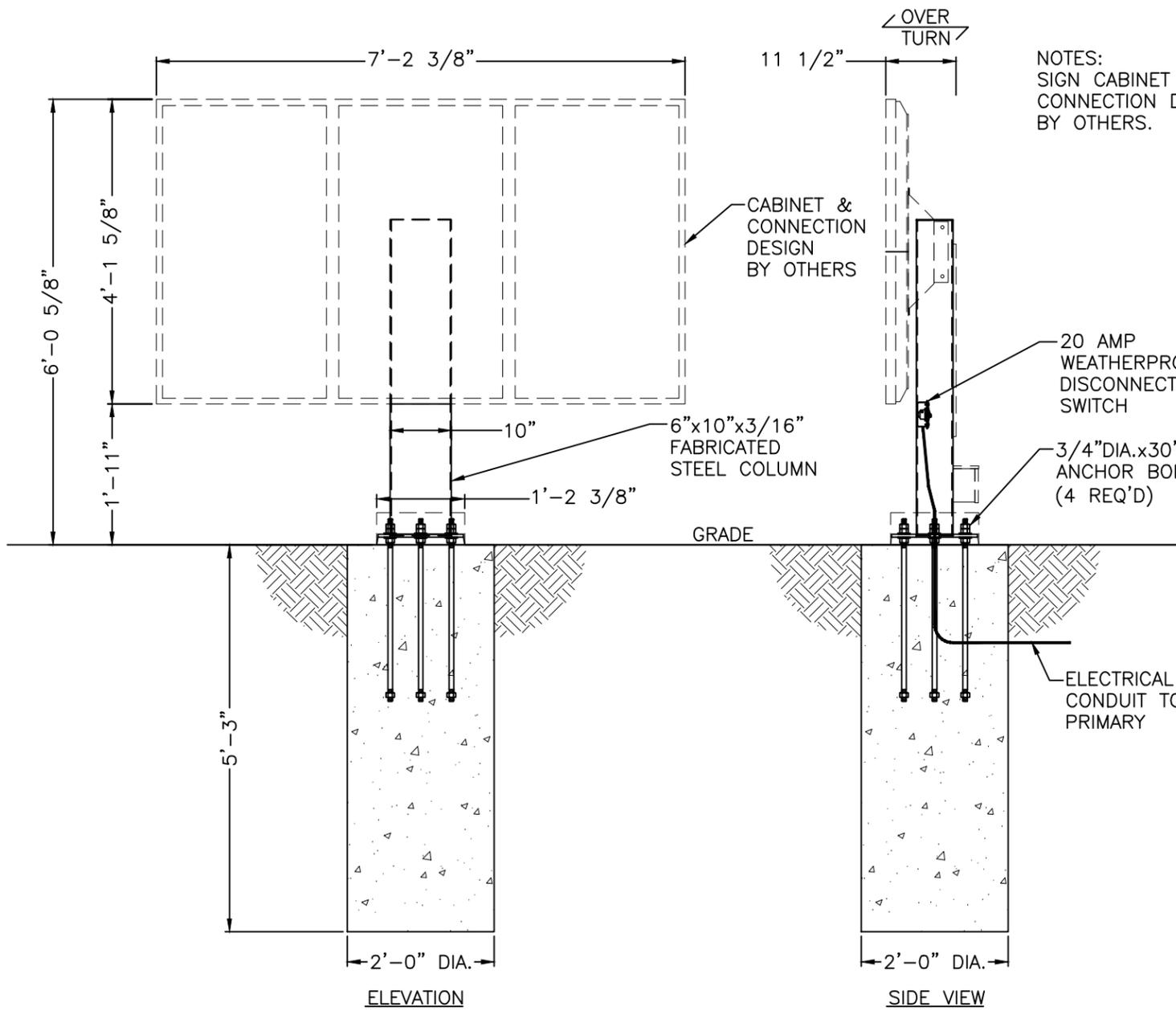
Culver Franchising System, Inc.
540 Water Street
Prairie du Sac, WI 53578
p (608) 643-7980

CULVER FRANCHISING SYSTEM, INC.
DRIVE THROUGH/MENU BOARD
LAYOUT

Project No.: 70034
Drawn By: CLH
Reviewed By: MW
Date: 2-11-26

Sheet Number:
4 OF 4

SPRINGFIELD SIGN
4825 E. Kearney St.
Springfield, MO 65803
(417) 862-2454



CABINET & CONNECTION DESIGN BY OTHERS

NOTES:
SIGN CABINET & CONNECTION DESIGN BY OTHERS.

20 AMP WEATHERPROOF DISCONNECT SWITCH

3/4" DIA. x 30" LONG ANCHOR BOLTS (4 REQ'D)

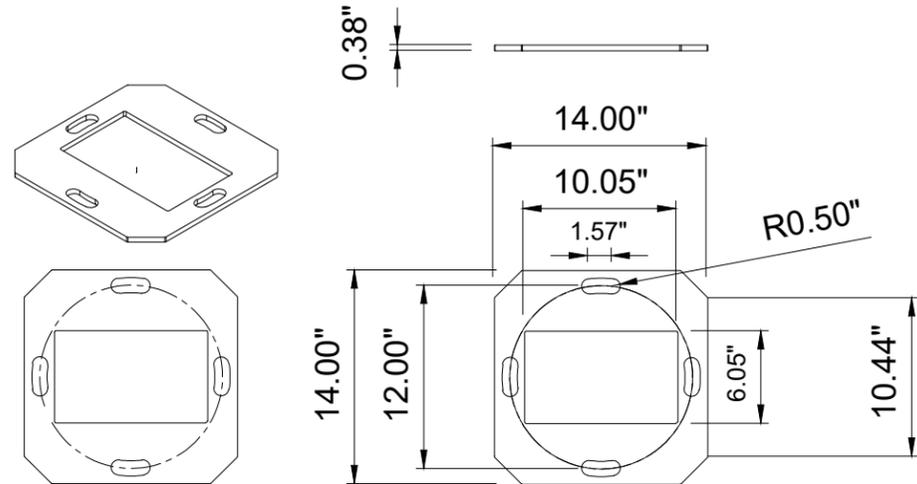
6" x 10" x 3/16" FABRICATED STEEL COLUMN

ELECTRICAL CONDUIT TO PRIMARY

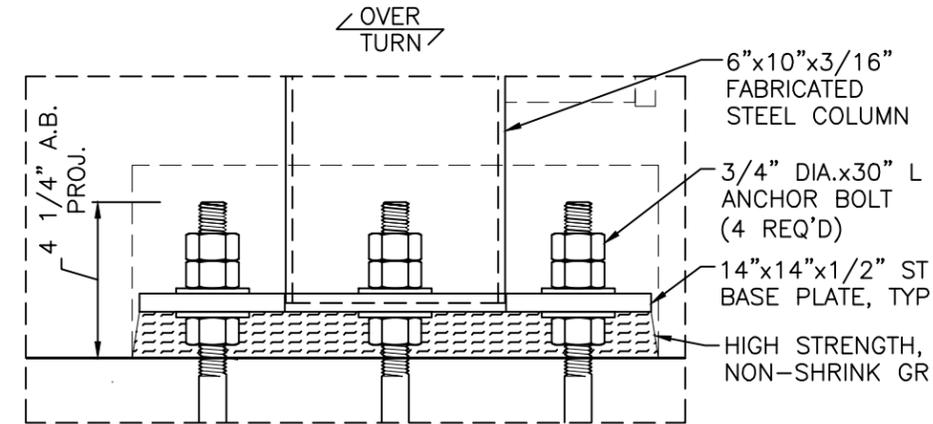
ELEVATION

SIDE VIEW

.61 CU. YDS. OF CONC. REQ'D.



BASE PLATE DETAIL



ANCHOR BOLT PROJECTION DETAIL

SCALE 1/2" = 1'

LOCATION:
CULVER'S

SPRINGFIELD SIGN
4825 E. Kearney St.
Springfield, MO 65803
(417) 862-2454

Client:
Culver Franchising System, Inc.
540 Water Street
Prairie du Sac, WI 53578
p (608) 643-7980

CULVER FRANCHISING SYSTEM, INC.
MB-DT-DD BASE
MAIN/PRE-SALE/POD MENU BOARD
FOOTING PLAN & DETAILS

Project Number: XXXXX
Drawn By: DEN
Reviewed By: RW
Date: 12-04-25

SHEET NUMBER:
1 OF 1

DTC-3 DRIVE-THRU CANOPY

Drive-Thru Canopy For Order Confirmation System (OCS)

DTC-3

All aluminum construction

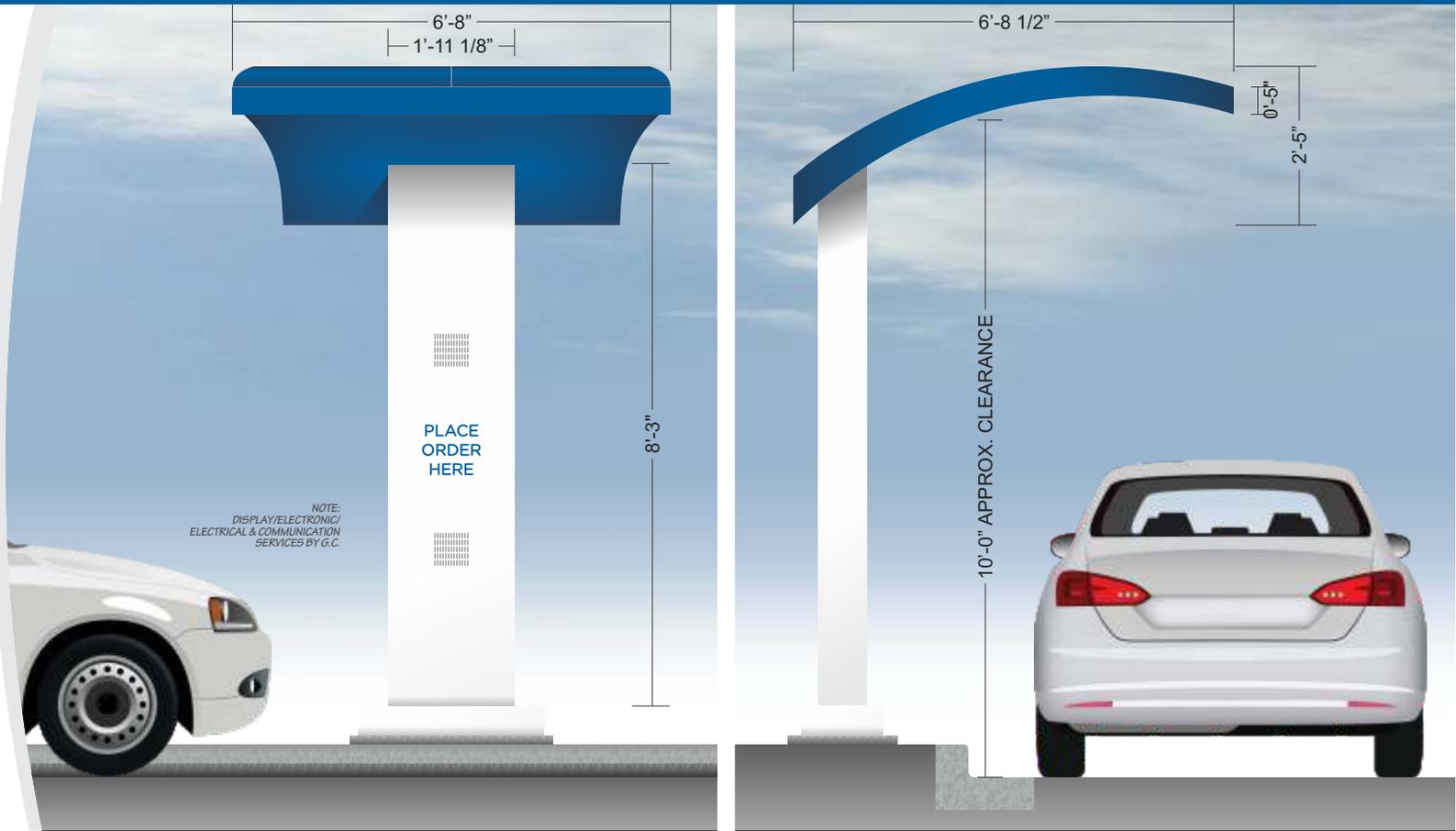
Rated for 160 mph winds (3 second burst) & heavy northern states snow loads

Order Confirmation System (OCS) by others

Rear panel (door) access - lockable

Provides protection from rain for DT customer

Houses speaker & microphone



NOTES

DATE CREATED / REVISION HISTORY

10/8/25 - NEW

SALES PERSON:
MARK WESSELL

DESIGNED BY:
J KROEGER

AO:

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This is an artistic rendition and final colors / sizes may vary from that depicted herein.

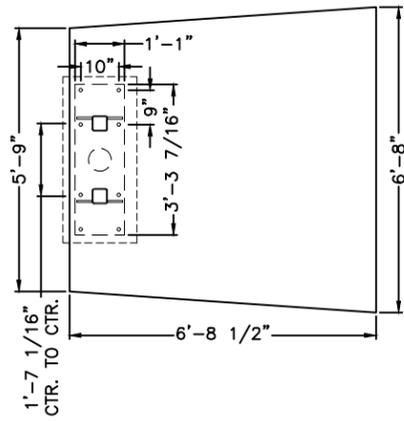


ENVIRONMENTALLY RESPONSIBLE



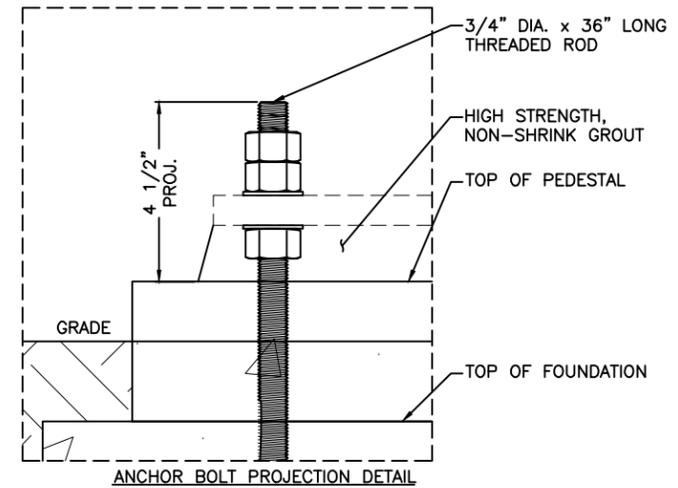
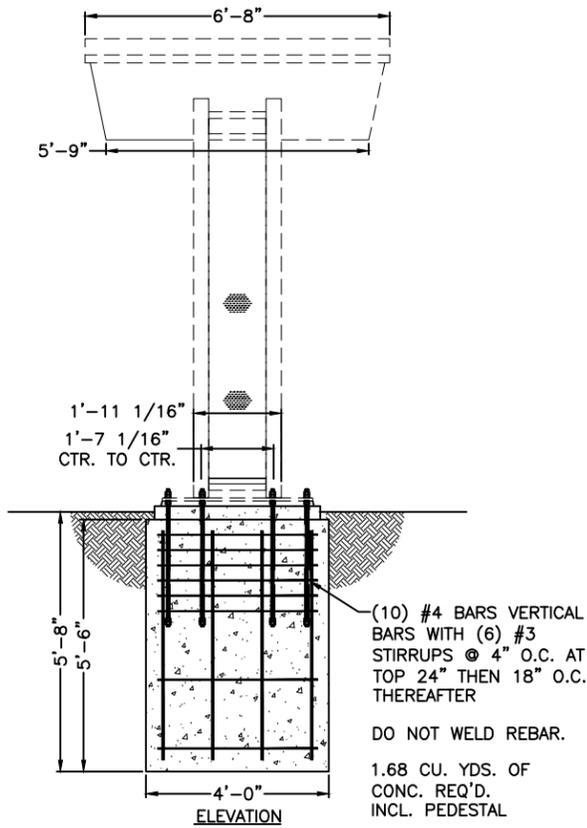
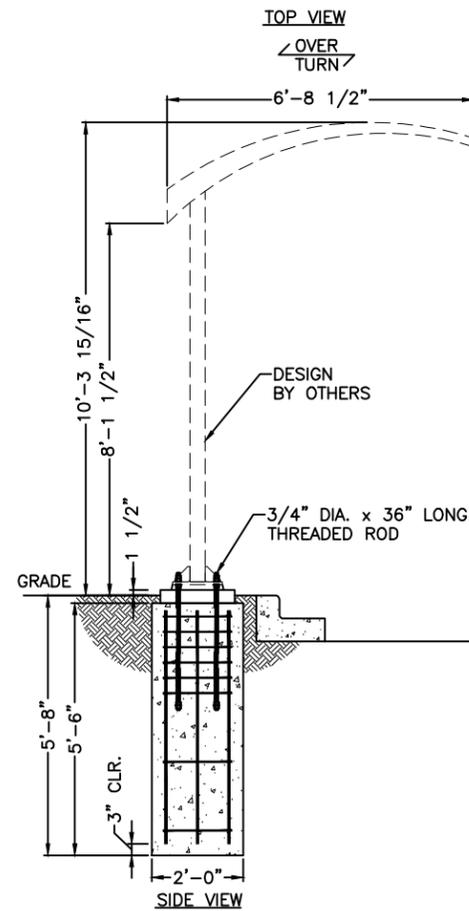
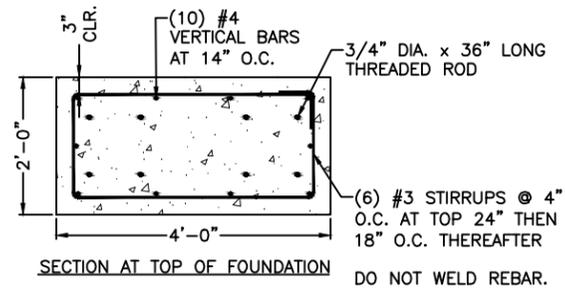
SPRINGFIELD SIGN

www.springfieldsign.com



FOUNDATION & PEDESTAL SHALL BE PLACED MONOLITHICALLY

POWER REQUIREMENTS:
POWER: <40 WATTS OVER ETHERNET



SCALE 1/4" = 1'

LOCATION:
CULVER'S

SPRINGFIELD SIGN
4825 E. Kearney St.
Springfield, MO 65803
(417) 862-2454

Client:
Culver Franchising System, Inc.
540 Water Street
Prairie du Sac, WI 53578
p (608) 643-7980

CULVER FRANCHISING SYSTEM, INC.
DTC-3 BASE
DRIVE-THROUGH CANOPY
FOOTING PLAN & DETAILS

Project Number: xxxxx
Drawn By: DEN
Reviewed By: MW
Date: 10-28-25

Sheet Number:
1 OF 1

VHD-1 VEHICLE HEIGHT DETECTOR

Vehicle Height Detector for Drive-Thru Lane

VHD-1

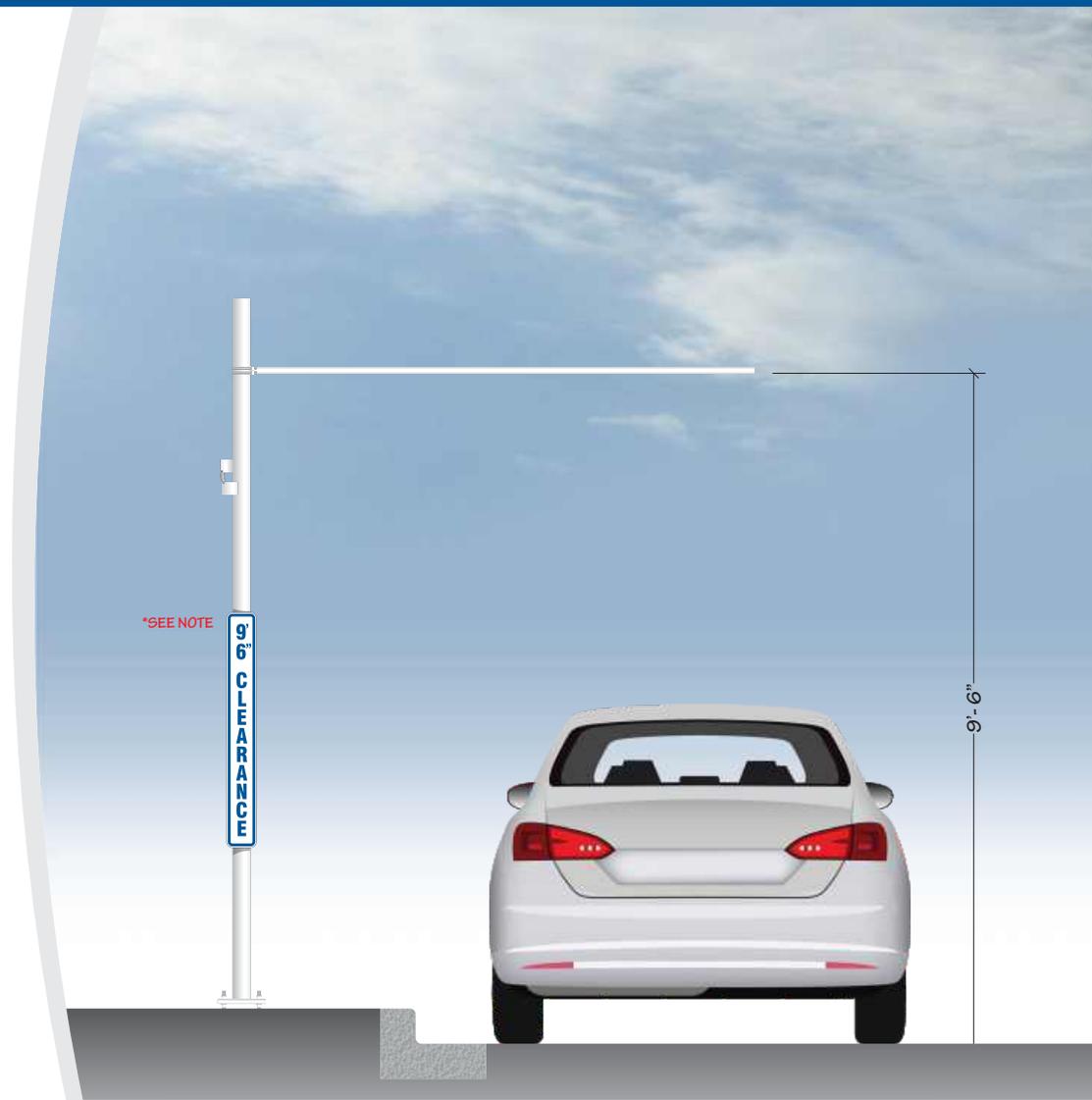
All steel (painted) construction

Re-settable if engaged

Used to help protect canopies from advancing vehicles that are too tall

NOTE: Clearance height must be verified prior to mfg.

QTY: 2 FOR DOUBLE DRIVE THRU



*SEE NOTE

9'-6"

SCALE: 1/2" = 1'

CLEARANCE PANEL

*SEE NOTE



SCALE: 1" = 1'

SALES PERSON: MARK WESSELL	DESIGNED BY: R HICKS	A0: 37763
--------------------------------------	--------------------------------	---------------------

DATE CREATED / REVISION HISTORY	
06/15/22 - NEW	

*SCALE AND COLORS NOT REPRESENTATIVE FROM EMAIL ATTACHMENTS
*ALL MEASUREMENTS ARE APPROXIMATE

FILE PATH: T:\Cyrious\Doc\Order\37000\o37763

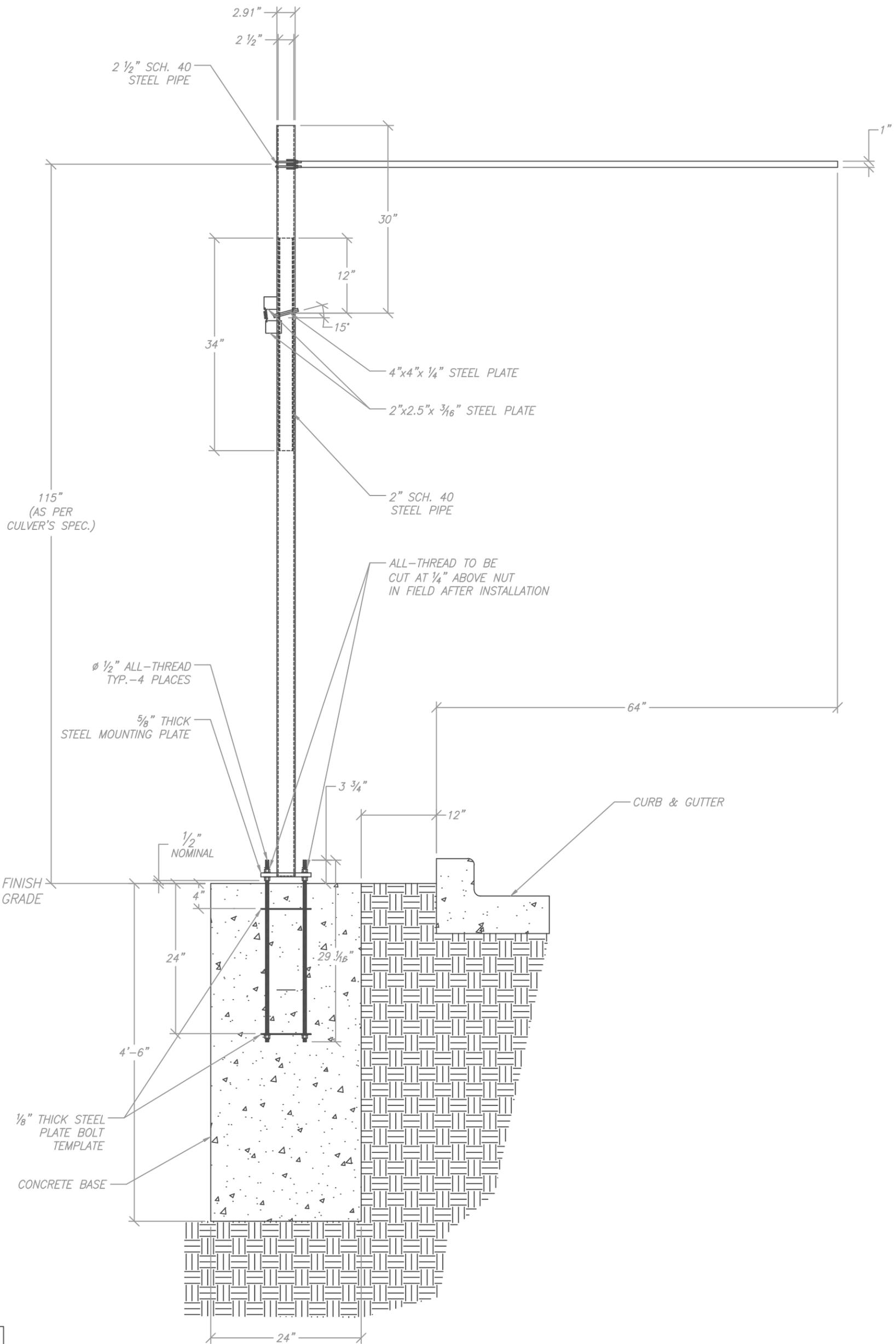


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SCALE 3/4" = 1'

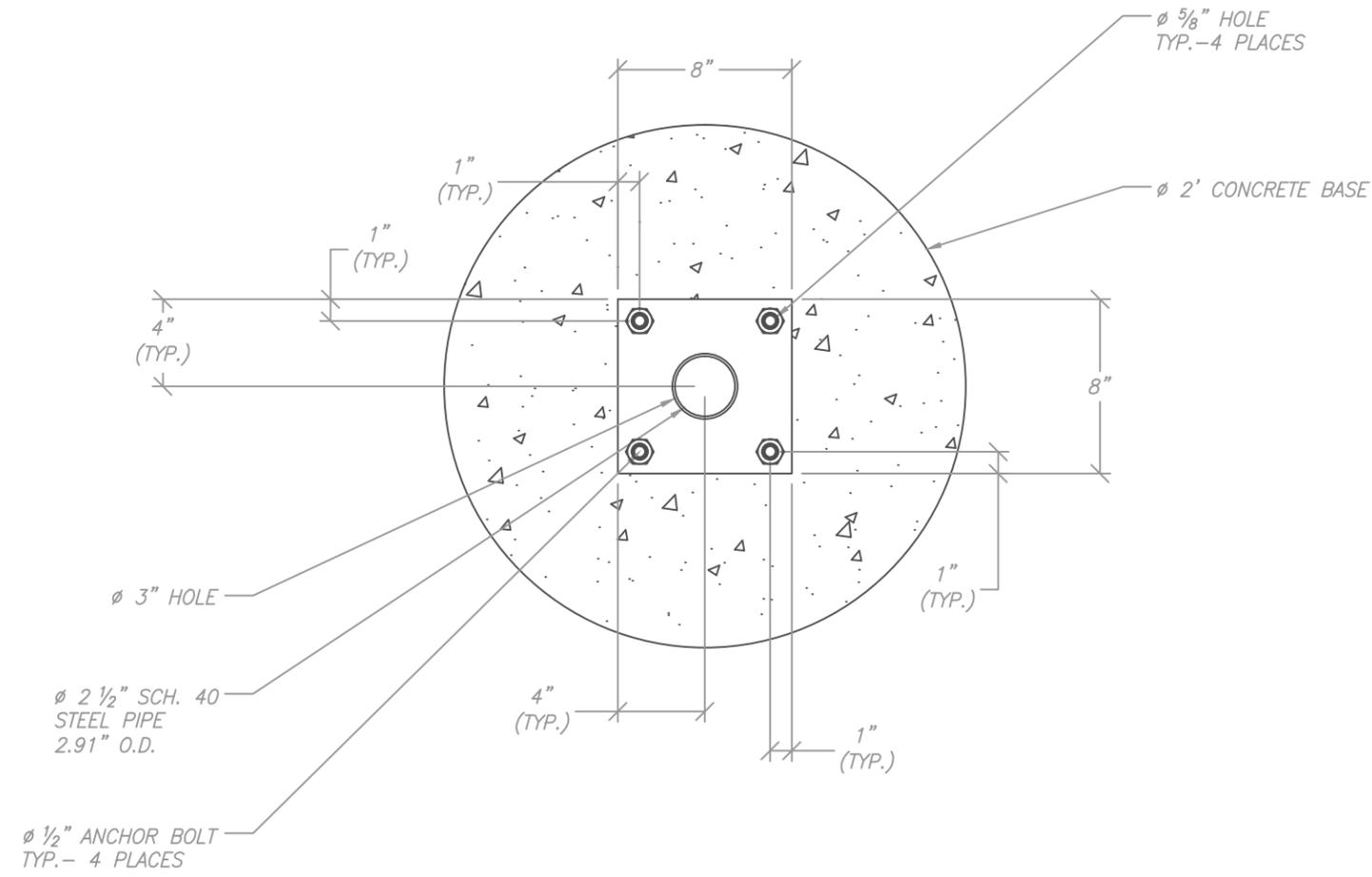
Project Number: 9902
 Drawn By: DEN
 Reviewed By: MW
 Date: 8-04-17

CULVER FRANCHISING SYSTEM, INC.
VEHICLE HEIGHT DETECTOR
FRONT VIEW

LOCATION:
CULVER'S

Client:
 Culver Franchising System, Inc.
 540 Water Street
 Prairie du Sac, WI 53578
 p (608) 643-7980

SPRINGFIELD SIGN & NEON
 2531 N. Patterson
 Springfield, MO 65803
 (417) 862-2454



STEEL PLATE-5/8" THICK
 CENTERED ON ϕ 2' CONCRETE BASE

SCALE 1 1/2" = 1'

SPRINGFIELD SIGN
 4825 E. Kearney St.
 Springfield, MO 65803
 (417) 862-2454

Client:
 Culver Franchising
 System, Inc.
 540 Water Street
 Prairie du Sac, WI 53578
 p (608) 643-7980

CULVER FRANCHISING SYSTEM, INC.
VEHICLE HEIGHT DETECTOR
CONCRETE BASE/MOUNTING PLATE
TOP VIEW

Project Number: XXXXX
 Drawn By: DEN
 Reviewed By: MW
 Date: 3-02-17

Sheet Number:
2 OF 3

MB-DT-DD1 EXTERIOR DIGITAL DISPLAY MENU BOARD

HUNTSVILLE, AL

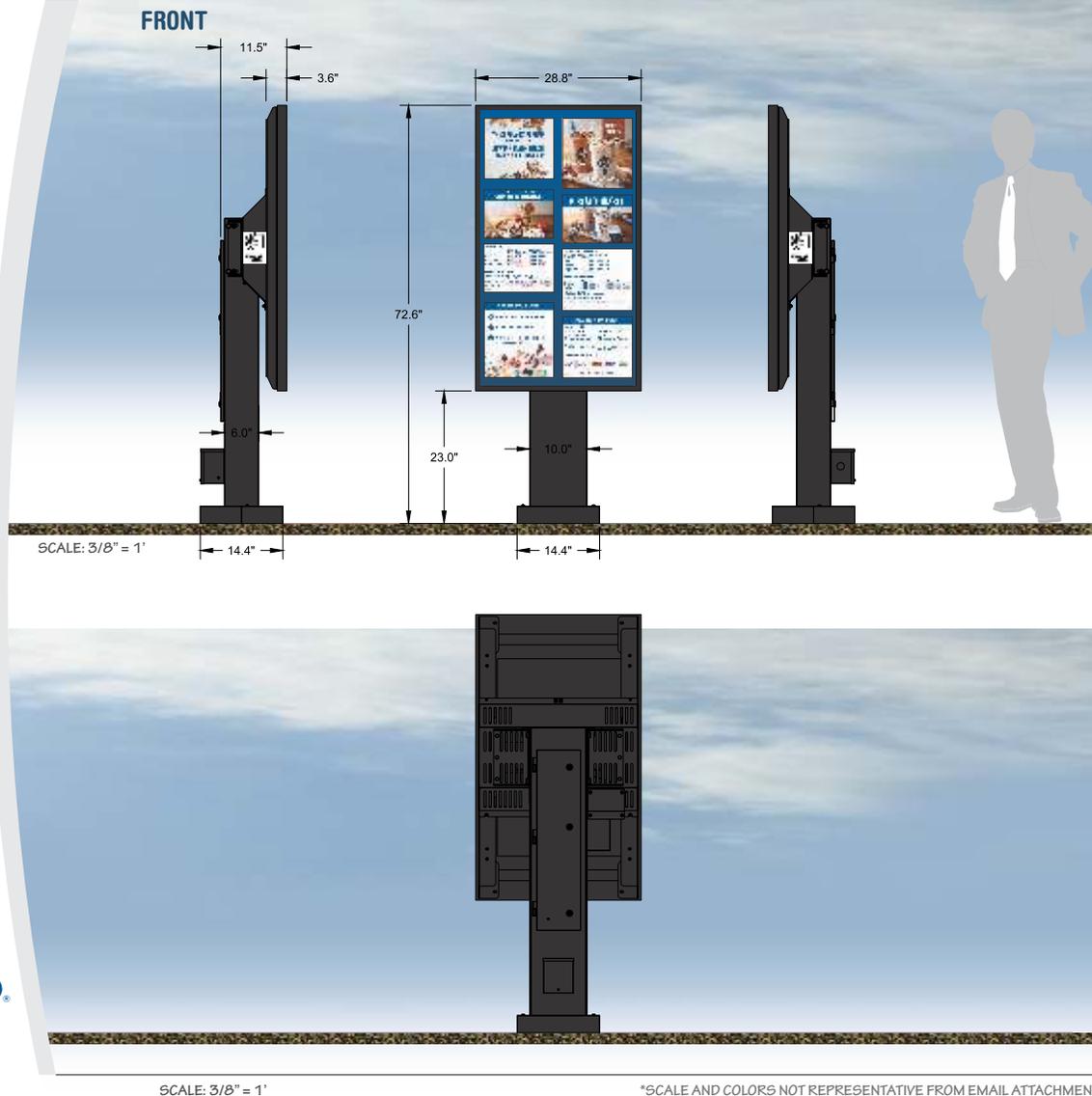
Outdoor Drive-Thru Menu Board - 1 Screen

MB-DT-DD1

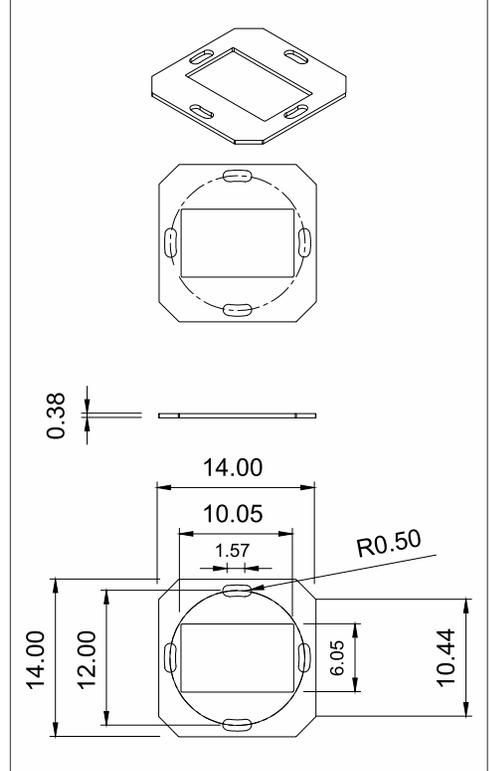
Standard Menu Board for Drive-Thru Lane

LED Internal Illumination

Digital display option



NOTES



SALES PERSON: MARK WESSELL	DESIGNED BY: J KROEGER	A0: 64353
--------------------------------------	----------------------------------	---------------------

DATE CREATED / REVISION HISTORY	
12/12/25 - NEW	



SCALE: 3/8" = 1'

*SCALE AND COLORS NOT REPRESENTATIVE FROM EMAIL ATTACHMENTS
*ALL MEASUREMENTS ARE APPROXIMATE

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This is an artistic rendition and final colors / sizes may vary from that depicted herein.



PROJECT #	25-0739		OWNER:	CULVERS	
November 1, 2025				4702 PARK BLVD	
DRAWING #	B1862132-B1862133			PINELLAS PARK, FL 33781	
WIND LOAD	35.96	PSF			
WIND SPEED	150	MPH	CLIENT:	SPRINGFIELD SIGN	
# COLUMNS	1	Florida Building Code		4825 E. KEARNEY ST.	
DESIGNER	GHK	8th Ed. (2023)		SPRINGFIELD, MO	

ITEM	HEIGHT	WIDTH	SHAPE FACTOR	CENTROID HEIGHT	AREA	TOTAL FORCE	MOMENT
MENUBOARD	4.135	2.401	1.000	2.068	9.929	0.357	0.738
CLADDING	1.917	1.198	0.766	0.891	1.758	0.420	1.479
OAH	6.052						
DL MOMENT	0.048						

COLUMN CALCULATIONS		(CODES P=PIPE;O=OTHER;T=TUBE)		DESIGN	AVAILABLE			
ITEM	COLUMN WIDTH	COLUMN DEPTH	COLUMN WALL	I _{xx} COLUMN	MODULUS COLUMN	REQUIRED MOMENT	FLEXURAL STRENGTH	UNITY
MENUBOARD	10.000	6.000	0.174	28.6	9.52	0.738	17.10	0.043
CLADDING	10.000	6.000	0.174	28.6	9.52	1.527	17.10	0.089

BOLT CALCULATIONS		*****		ALLOW.	ALLOWABLE		
ITEM	MOMENT	BOLT SPACING	BOLTS/ PLATE	TENSION/ BOLT	BOLT DIAM.	STRESS	TENSION
BASE PL.	1.527	12.000	2.000	1.527	0.750	19.100	8.438

PLATE CALCULATIONS		*****		MINIMUM		
ITEM	TENSION/ BOLT	MOMENT ARM	MOMENT PLATE	PLATE THICK.	MINIMUM THICK.	
BASE PL.	1.527	2.938	4.484	14.000	0.500	0.267

ANCHOR BOLT PROJECTION	ANCHOR EMBEDMENT	ANCHOR BOLT MIN. LENGTH
4.250	4.049	9.000

CAISSON	
MOMENT	1.527 FT-KIP
FORCE	0.420 KIP

REFERENCE IBC 1807.3.2 & TABLE 1806.2
ASSUME SOIL CLASS #4 SW, SP, SM, SC, GM & GC

LATERAL BEARING PRESSURE - PSF/FT OF DEPTH	
S1	150.0 PSF/FT
DEPTH	416.7 FT.
DIAMETER	4.167 FT.
	2.000 FT.
	3.632 FT.
	1.180 FT.
CALCULATED DEPTH	2.831 FT.
MINIMUM THICKNESS WITHOUT REINFORCEMENT	13.904 IN.
ACTUAL DIAMETER	24.000 IN.
CONCRETE	0.485 CU. YD.

General Notes:

- Design is based on a 150 mph, 3 second gust wind design per Florida Building Code 8th Ed. (2023), Category II, Exposure C.
- Caisson foundation is based on a presumptive safe lateral soil bearing pressure minimum of 150 psf per foot of depth. Isolated lateral bearing footings subject to short-term lateral loads and not adversely affected by a 1/2" motion at grade are permitted to be designed using twice the tabulated value of the corresponding soil class.
- A soil report was not provided. Foundation analysis assumes Soil Classification 4. Allowable bearing pressure should be verified prior to placement of concrete. In the event that the stated requirements are not met and conditions appear deleterious, cease and secure excavation and immediately contact SPRINGFIELD SIGN.
- Foundation shall not be placed at the top of, or on the side of a slope exceeding 3:1, or adjacent to a fill slope unless re-evaluated by a competent Professional Engineer. Do not place foundation in fill.
- Concrete shall be mixed to attain a minimum 28 day compressive strength of 3000 psi.
- Steel reinforcing bars shall conform to ASTM A615, Grade 60 with deformations in accordance with ASTM A305. Welding of reinforcing bars is prohibited.
- All voids between column base plate and foundation surface shall be completely filled with high-strength, non-shrink grout.
- Anchor bolts shall meet ASTM F1554 Grade 36. Exposed surfaces shall be galvanized or coated to prevent corrosion.
- All support members shall be free from defects. Fabricated steel tube shall meet ASTM A36. Steel angle, channel and plate shall meet ASTM A36.
- Steel welds shall be made with E70xx low hydrogen electrodes by persons qualified in accordance with AWS standards within the past two years.
- All structural bolts shall conform to ASTM A325 or SAE Grade 5, and be zinc coated unless noted otherwise. When used with structural bolts, heavy hex nuts shall conform to ASTM A563, and washers shall conform to ASTM F436. Pretension all high strength bolts using the Turn-of-Nut method unless noted otherwise.
- The scope of this engineer does not include onsite observations.
- LINK Engineering will not be responsible for the safety on this job site before, during or after installation of this structure. It is the responsibility of the owners, contractors and installers to ensure that the installation and erection of this structure is performed using methods that are in full compliance with OSHA regulations.
- Any deviation from this design or from any part of this drawing, including the General Notes, without prior written consent from LINK Engineering voids this drawing in its entirety.
- The structure designed on this drawing is intended to be installed at the address shown and should not be used at any other location.

INSTALLATION ADDRESS:

CLIENT:



SPRINGFIELD SIGN

4825 EAST KEARNEY STREET
SPRINGFIELD, MO 65803
417.862.2454 - FAX: 417.862.1887

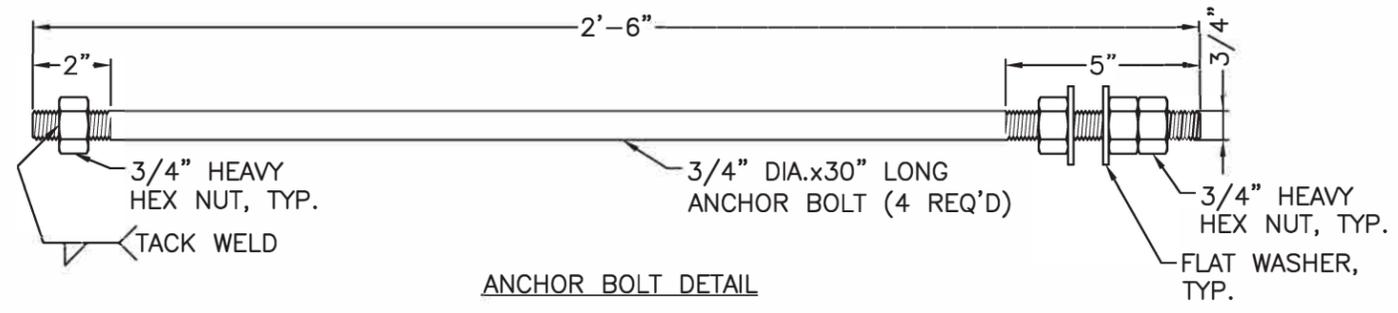
REV	DATE	DESCRIPTION
1	-/-/-	-----
2	-/-/-	-----

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HAILEY VICKERS, P.E.
FLORIDA STATE LICENSE NO.: 92784

This drawing has been digitally signed and sealed by Hailey Vickers, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SEAL & SIGNATURE:



ANCHOR BOLT DETAIL

Project Number:		Drawing Number:	
25-0739			
SHT.	OF	DATE:	BY:
2	2		