

Site Map

Legend

- A** Face & Halo Lit Channel Letters
SQFT: 30.50
- B** Face & Halo Lit Channel Letters
SQFT: 10.32
- C** Face & Halo Lit Channel Letters
SQFT: 11.40
- D** Existing Pan Sign
SQFT: 25.00
- E** Face Lit Channel Letters
SQFT: 43.18
- F** Existing Pan Sign
SQFT: 20.00
- G** Existing Canopy Sign
SQFT: 20.00
- H** Existing Canopy Sign
SQFT: 5.00
- I** Existing Canopy Sign
SQFT: 20.00
- J** Existing Canopy Sign
SQFT: 5.00

TOTAL SQFT: 190.40

— Property Line



Scale: 1"=75'-0"



Customer Approval

Name _____

Co/Title _____

Date _____

Landlord Approval

Name _____

Co/Title _____

Date _____



Locations:

9200 Valley Rd.
Prescott Valley,
Arizona 86314

800-257-5095

2507 W. Villa Rita Dr.
Phoenix,
Arizona 85023

arizonasignsplus.com

Project:

DenMart

Project Location:
2733 N Recker Rd. | Mesa, AZ 85213

Account Executive:

Chris Gilliland

Project Manager:

HJ

Design Number: 230020

Design / Revision Date:

01-01/09/2023 BL
02-09/07/2023 BL

03-10/18/2023 BL

Sheet:

1 OF **15**

Sign A Face and Halo Lit Channel Letters

Materials

Letters

- 3/16" white acrylic faces with surface applied vinyl overlay (V1)
- 5" deep .040 alum. returns painted P1
- 1" black trim cap
- .177 clear lexan backs with surface applied vinyl overlay (V2) for blue halo effect
- letters stud mounted 1 1/2" off the wall

- remove existing sign and patch/paint wall as needed
- NOTE: existing sign is neon

Paint Colors

P1 Black

Vinyl Colors

V1 Dual Color Black
3M 3635-222

V2 Bright Blue 3M 3630-167

Customer Approval

Name _____

Co./Title _____

Date _____

Landlord Approval

Name _____

Co./Title _____

Date _____



Face View

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

SQFT: 30.50



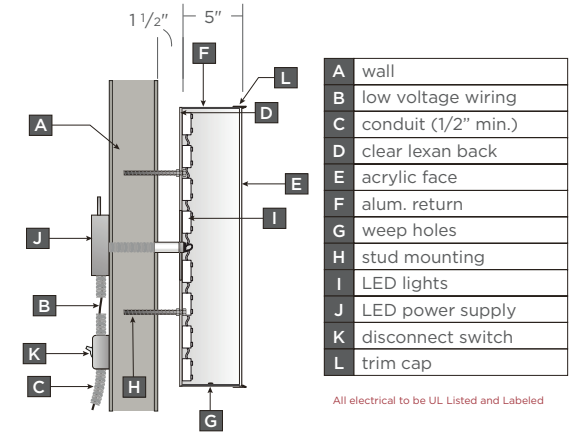
Simulated Night View

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



Proposed North Elevation

Scale: 3/32"=1'-0"



Face & Halo Lit PC Letters / LEDs - Cross Section Detail

Scale: NTS



Existing Elevation

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2018 IBC, 2011 NEC, 2012 IBC



NOTE - Field Verify Fascia Area Prior to Fabrication of Signs.



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Chris Gilliland

Project Manager:

HJ

Design

Number: 230020

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01-01/09/2023 BL

02-09/07/2023 BL

03-10/18/2023 BL

Sheet:

2 OF 15

Sign B Face and Halo Lit Channel Letters

Materials

Letters

- 3/16" white acrylic faces with surface applied vinyl overlay (V1)
- 5" deep .040 alum. returns painted P1
- 1" black trim cap
- .177 clear lexan backs with surface applied vinyl overlay (V2) for blue halo effect
- letters stud mounted 1 1/2" off the wall

- remove existing sign and patch/paint wall as needed
- NOTE: existing sign is neon

Paint Colors

P1 Black

Vinyl Colors

V1 Dual Color Black
3M 3635-222

V2 Bright Blue 3M 3630-167

Customer Approval

Name _____

Co./Title _____

Date _____

Landlord Approval

Name _____

Co./Title _____

Date _____



Face View

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

SQFT: 10.32



Simulated Night View

Scale: 3/8"=1'-0"

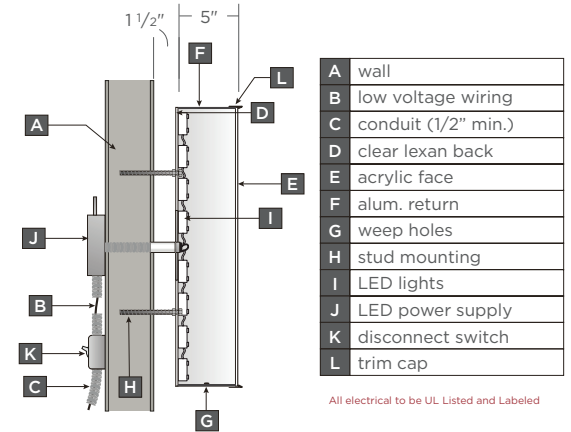


Proposed West Elevation

Scale: 1/16"=1'-0"



Existing Elevation



Face & Halo Lit PC Letters / LEDs - Cross Section Detail

Scale: NTS

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2018 IBC, 2011 NEC, 2012 IBC



NOTE - Field Verify Fascia Area Prior to Fabrication of Signs.



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230020

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Sheet:

3 OF **15**

Sign C Face and Halo Lit Channel Letters

Materials

Letters

- 3/16" white acrylic faces with surface applied vinyl overlay (V1)
- 5" deep .040 alum. returns painted P1
- 1" black trim cap
- .177 clear lexan backs with surface applied vinyl overlay (V2) for blue halo effect
- letters stud mounted 1 1/2" off the wall

- remove existing sign and patch/paint wall as needed
- NOTE: existing sign is neon

Paint Colors

P1 Black

Vinyl Colors

V1 Dual Color Black
3M 3635-222

V2 Bright Blue 3M 3630-167

Customer Approval

Name _____

Co./Title _____

Date _____

Landlord Approval

Name _____

Co./Title _____

Date _____



Face View

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

SQFT: 11.40



Simulated Night View

Scale: 3/8"=1'-0"



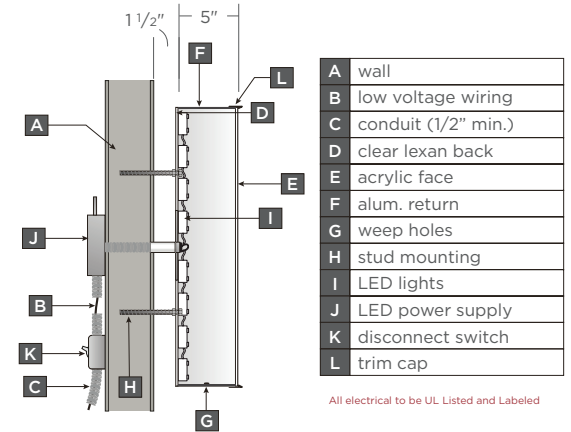
Proposed West Elevation

Scale: 1/16"=1'-0"



Existing Elevation

NOTE - Font is Serpentine Sans ICG Bold



Face & Halo Lit PC Letters / LEDs - Cross Section Detail

Scale: NTS

NOTE - Field Verify Fascia Area Prior to Fabrication of Signs.



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Project Manager:

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03-10/18/2023 BL

Sheet:

4 OF 15



Sign D Existing Pan Sign

Materials

- Pan**
- 1" deep .090 aluminum pan formed non-illuminated sign with full color digital print
 - clip mounted to wall

Paint Colors

Vinyl Colors

Customer Approval

Name _____

Co/Title _____

Date _____

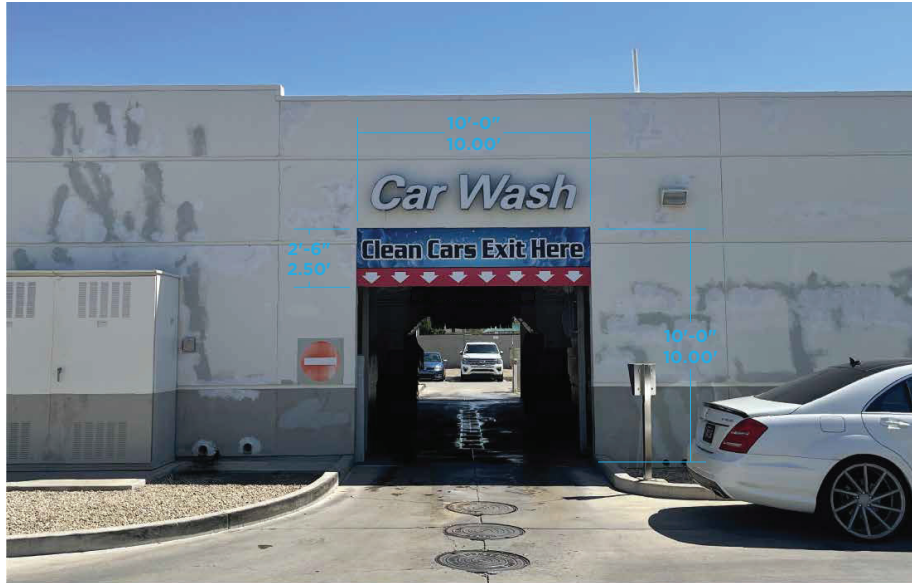
Landlord Approval

Name _____

Co/Title _____

Date _____

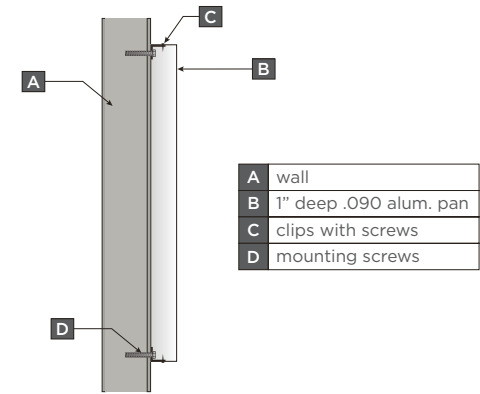
104'-0"
frontage



Existing Elevation View

Scale: 3/16"=1'-0"

SQFT: 25.00



Clip Mounted Alum. Pan - Cross Section Detail

Scale: NTS



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Account Executive:

Chris Gilliland

Project Manager:

HJ

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230020

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01-01/09/2023 BL

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03-10/18/2023 BL

Sheet:

5 OF 15

Sign E Face Lit Channel Letters

Materials

Letters

- 3/16" white acrylic faces
- 5" deep .040 alum. returns painted P2
- 1" white trim cap
- letters stud mounted to the wall

- remove existing signs and patch/paint wall as needed

Paint Colors

P2 White

Vinyl Colors

Customer Approval

Name _____

Co./Title _____

Date _____

Landlord Approval

Name _____

Co./Title _____

Date _____



Face View

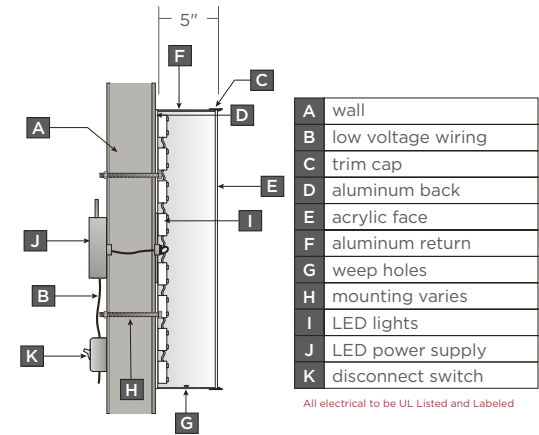
Scale: 1/2"=1'-0"

SQFT: 43.18



Simulated Night View

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



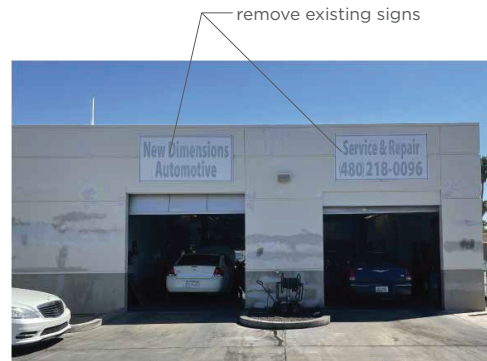
PC Letters / LEDs - Cross Section Detail

Scale: NTS



Proposed West Elevation

Scale: 3/32"=1'-0"



Existing Elevation

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2018 IBC, 2011 NEC, 2012 IBC



NOTE - Field Verify Fascia Area Prior to Fabrication of Signs.



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Account Executive:

Chris Gilliland

Project Manager:

HJ

Design

Number: 230020

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01-01/09/2023 BL
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03-10/18/2023 BL

Sheet:

6 OF 15

Sign F Existing Pan Sign

Materials

- Pan**
- 1" deep .090 aluminum pan formed non-illuminated sign with full color digital print
 - clip mounted to wall

Paint Colors

Vinyl Colors

Customer Approval

Name _____

Co/Title _____

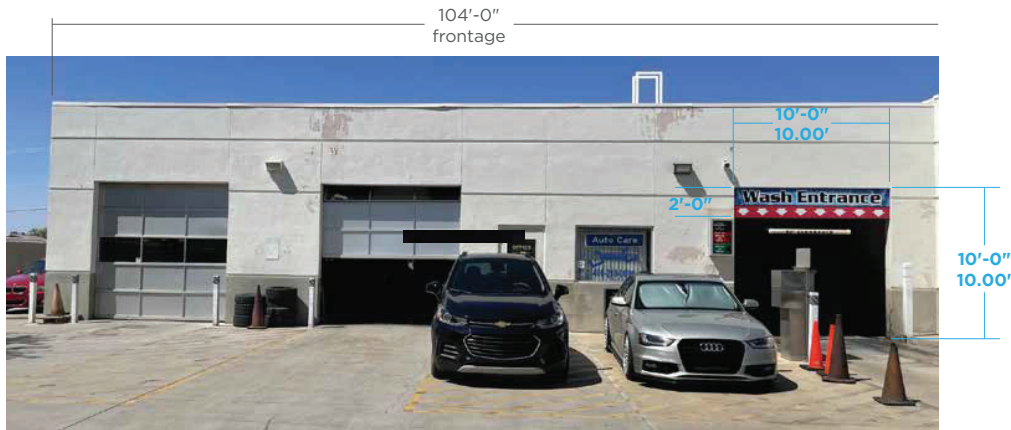
Date _____

Landlord Approval

Name _____

Co/Title _____

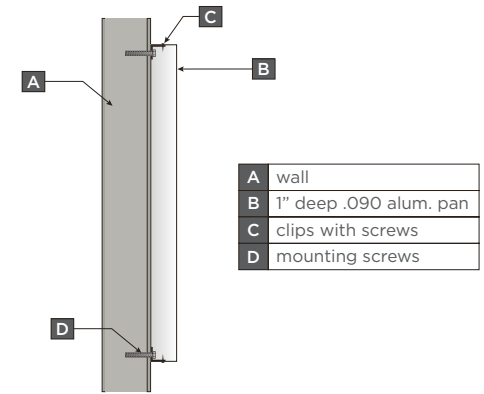
Date _____



Existing Elevation View

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

SQFT: 20.00



Clip Mounted Alum. Pan - Cross Section Detail

Scale: NTS



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Account Executive:

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Project Manager:

HJ

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02-09/07/2023 BL

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Sheet:

7 OF **15**

Sign G Existing Canopy Sign

Materials

Letters

- 3/16" white acrylic faces
- 5" deep .040 alum. returns painted black
- 1" black trim cap
- internally illuminated with white LEDs
- mounted flush to canopy

Paint Colors

Vinyl Colors

Customer Approval

Name

Co/Title

Date

Landlord Approval

Name

Co/Title

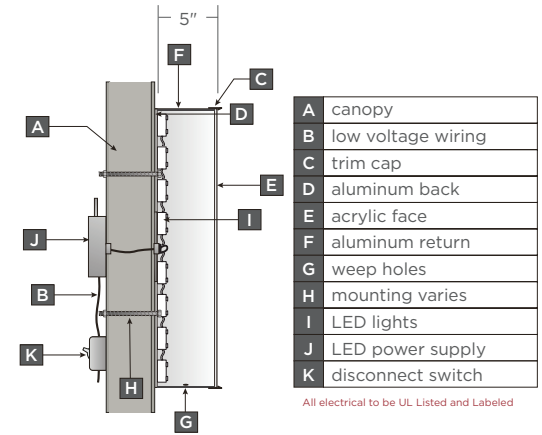
Date



Existing North Elevation View

Scale: 3/32"=1'-0"

SQFT: 20.00



PC Letters / LEDs - Cross Section Detail

Scale: NTS

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2018 IBC, 2011 NEC, 2012 IBC



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800-257-5095

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Phoenix,
Arizona 85023

arizonasignsplus.com

Project:

DenMart

Project Location:
2733 N Recker Rd. | Mesa, AZ 85213

Account Executive:

Chris Gilliland

Project Manager:

HJ

Design Number: 230020

Design / Revision Date:

01-01/09/2023 BL
02-09/07/2023 BL

03-10/18/2023 BL

Sheet:

8 OF 15

Sign H Existing Canopy Sign

Materials

Logo

- 3/16" white acrylic faces with digital prints
- 5" deep .040 alum. returns painted blue and red
- 1" blue and red trim cap
- internally illuminated with white LEDs
- mounted flush to canopy

Paint Colors

Vinyl Colors

Customer Approval

Name _____

Co/Title _____

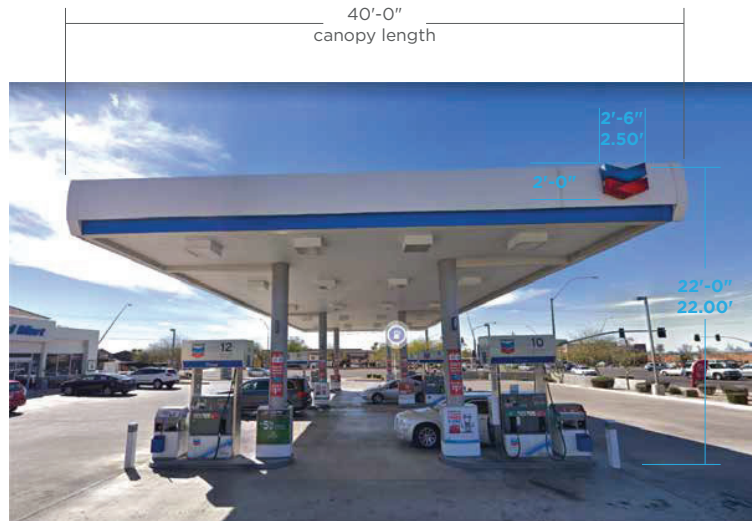
Date _____

Landlord Approval

Name _____

Co/Title _____

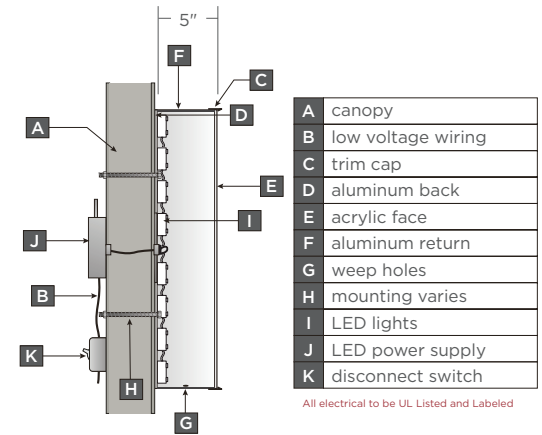
Date _____



Existing East Elevation View

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

SQFT: 5.00



PC Letters / LEDs - Cross Section Detail

Scale: NTS

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2018 IBC, 2011 NEC, 2012 IBC



Locations:

9200 Valley Rd.
Prescott Valley,
Arizona 86314

800-257-5095

2507 W. Villa Rita Dr.
Phoenix,
Arizona 85023

arizonasignsplus.com

Project:

DenMart

Project Location:

2733 N Recker Rd. | Mesa, AZ 85213

Account Executive:

Chris Gilliland

Project Manager:

HJ

Design Number:

230020

Design / Revision Date:

01-01/09/2023 BL
02-09/07/2023 BL

03-10/18/2023 BL

Sheet:

9 OF 15

Sign I Existing Canopy Sign

Materials

Letters

- 3/16" white acrylic faces
- 5" deep .040 alum. returns painted black
- 1" black trim cap
- internally illuminated with white LEDs
- mounted flush to canopy

Paint Colors

Vinyl Colors

Customer Approval

Name _____

Co/Title _____

Date _____

Landlord Approval

Name _____

Co/Title _____

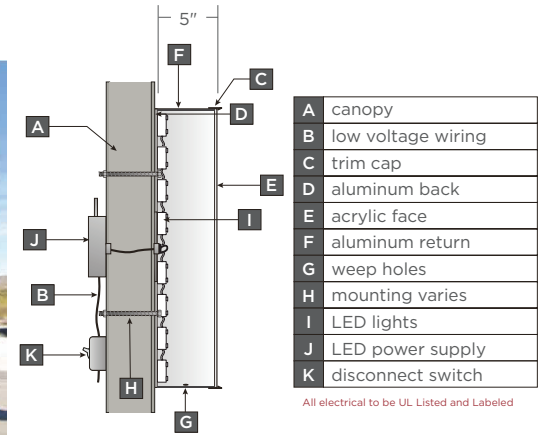
Date _____



Existing South Elevation View

Scale: 3/32"=1'-0"

SQFT: 20.00



PC Letters / LEDs - Cross Section Detail

Scale: NTS

This sign is intended 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 signs. The location of the disconnect switch after installation shall comply with article 600.6(A) (1) of the National Electrical Code.

2018 IBC, 2011 NEC, 2012 IBC



Locations:

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Arizona 86314

800-257-5095

2507 W. Villa Rita Dr.
Phoenix,
Arizona 85023

arizonasignsplus.com

Project:

DenMart

Project Location:

2733 N Recker Rd. | Mesa, AZ 85213

Account Executive:

Chris Gilliland

Project Manager:

HJ

Design Number: 230020

Design / Revision Date:

01-01/09/2023 BL
02-09/07/2023 BL

03-10/18/2023 BL

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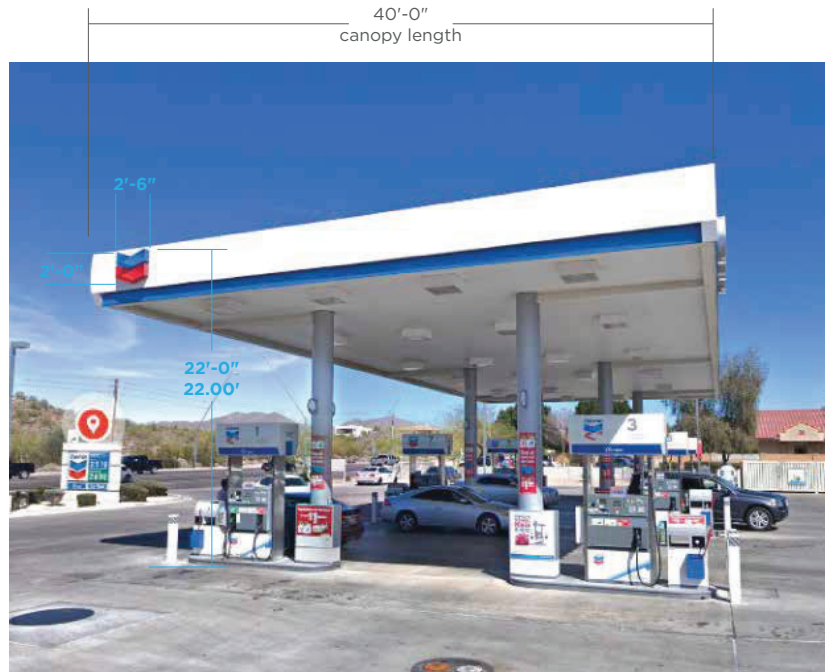
10 OF 15

Sign J Existing Canopy Sign

Materials

Logo

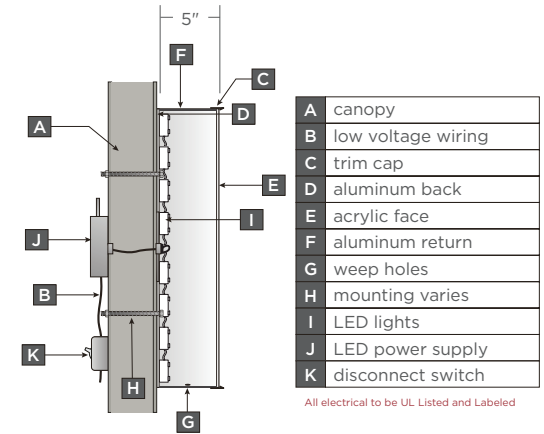
- 3/16" white acrylic faces with digital prints
- 5" deep .040 alum. returns painted blue and red
- 1" blue and red trim cap
- internally illuminated with white LEDs
- mounted flush to canopy



Existing West Elevation View

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

SQFT: 20.00



PC Letters / LEDs - Cross Section Detail

Scale: NTS

Paint Colors

Vinyl Colors

Customer Approval

Name

Co/Title

Date

Landlord Approval

Name

Co/Title

Date



Locations:

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Arizona 86314

800-257-5095

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Project:

DenMart

Project Location:
2733 N Recker Rd. | Mesa, AZ 85213

Account Executive:

Chris Gilliland

Project Manager:

HJ

Design Number: 230020

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02-09/07/2023 BL

03-10/18/2023 BL

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11 OF 15

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2018 IBC, 2011 NEC, 2012 IBC

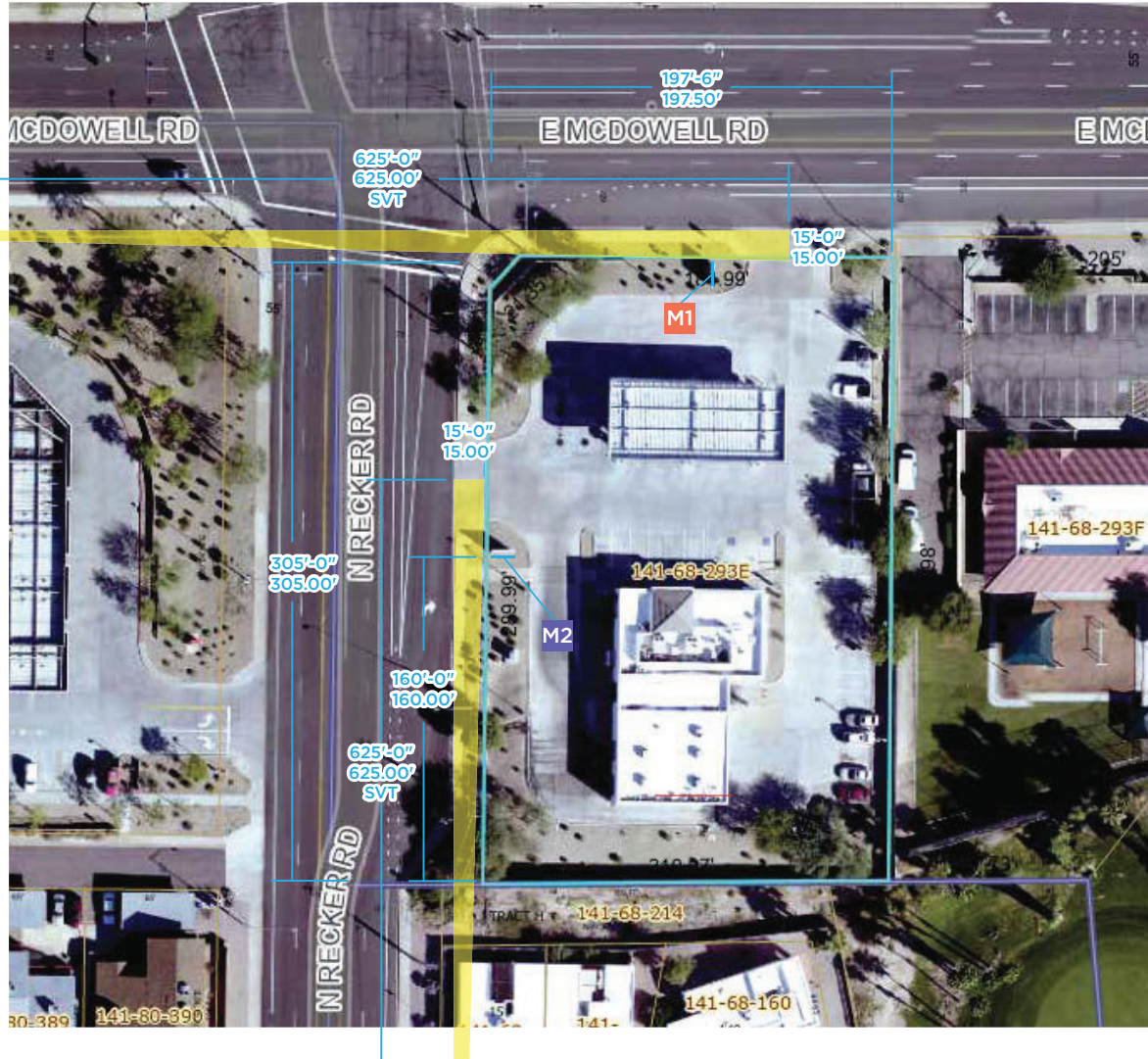


Site Map

Legend

- M1 Existing Monument Sign
- M2 New Monument Sign

- Property Line
- Visibility Triangle



Customer Approval

Name _____

Co/Title _____

Date _____

Landlord Approval

Name _____

Co/Title _____

Date _____

Scale: 1"=60'-0"



Locations:
 9200 Valley Rd. Prescott Valley, Arizona 86314
 800-257-5095
 2507 W. Villa Rita Dr. Phoenix, Arizona 85023
 arizonasignsplus.com

Project:
DenMart
Project Location:
 2733 N Recker Rd. | Mesa, AZ 85213

Account Executive:
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Project Manager:
 HJ

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03-10/18/2023 BL

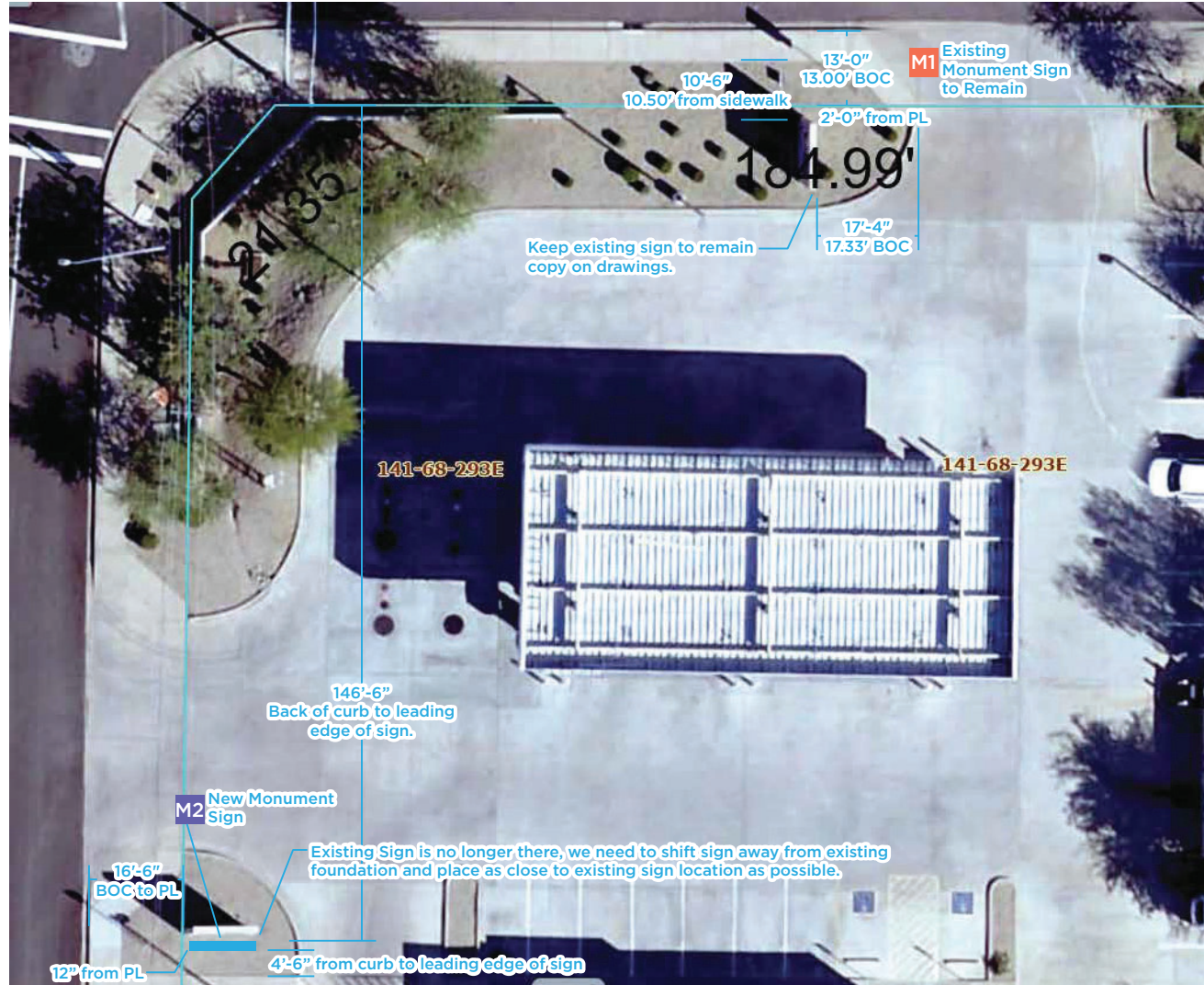
Sheet:

12 OF **15**

Site Map

Legend

- M1 Existing Monument Sign
- M2 New Monument Sign



Customer Approval

Name _____

Co./Title _____

Date _____

Landlord Approval

Name _____

Co./Title _____

Date _____



Locations:
 9200 Valley Rd. Prescott Valley, Arizona 86314
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 arizonasignsplus.com

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Account Executive:
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 HJ

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13 OF **15**



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Sign M1 - Existing Monument Sign to Remain - Retrofit New Sign faces to Match Existing

Materials

1. Refurbish Existing

- LED retrofit existing sign with new internal leds.

- D/F C45 with TECHRON & Car Wash ACP's.
- Faces only

Paint Colors

Vinyl Colors

V1	PMS 2935C (3120SL Arlon)
V2	PMS 186C (3M Regal 3630-83)
V3	Cyan (3M Process 3630-337)
V3	PMS 202 (3M 3630-53)
V4	PMS 431C
V5	PMS 3415 (3M 3630-26)

Customer Approval

Name _____

Co/Title _____

Date _____

Landlord Approval

Name _____

Co/Title _____

Date _____



Face View

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

SQFT: 49.49

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2018 IBC, 2011 NEC, 2012 IBC



NOTE - Field Verify Area Prior to Fabrication of Sign.



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Sheet:

14 OF 15

Sign M2 - LED New Illuminated Monument Sign

Materials

1. EMC
 • 8mm double sided Adtronics full color display Model P8-1R1G1B 320mm x 320mm display

2. Faces
 • C45 D/F Between pole mount with TECHRON & Car Wash ACP's

3. Sign Cabinet
 • will have an aluminum construction, painted and textured to match the existing.

Paint Colors

P1 TBD to match existing

Vinyl Colors

- V1** PMS 2935C (3120SL Arlon)
- V2** PMS 186C (3M Regal 3630-83)
- V3** Cyan (3M Process 3630-337)
- V3** PMS 202 (3M 3630-53)
- V4** PMS 431C
- V5** PMS 3415 (3M 3630-26)

Customer Approval

Name _____

Co./Title _____

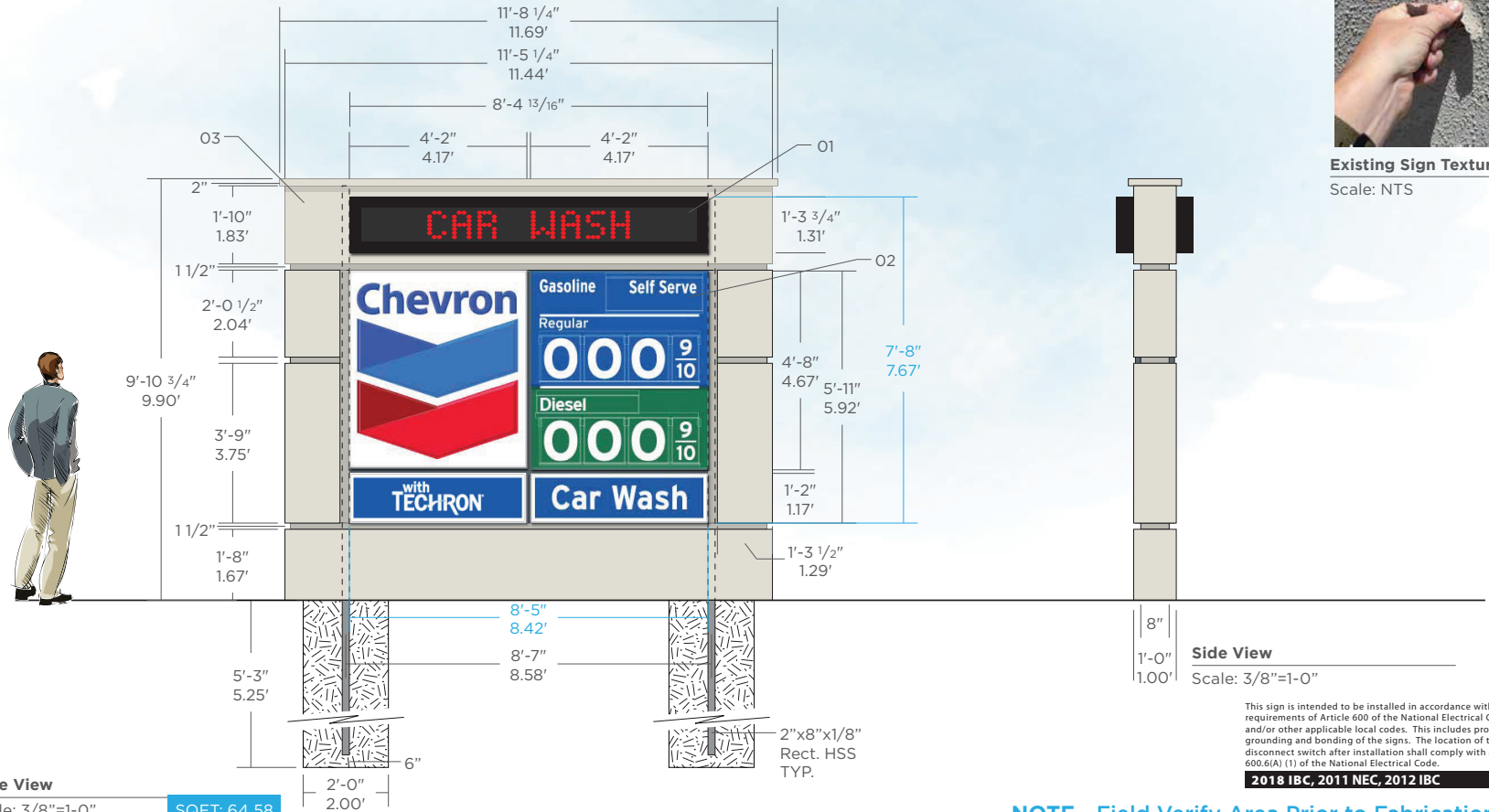
Date _____

Landlord Approval

Name _____

Co./Title _____

Date _____



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2018 IBC, 2011 NEC, 2012 IBC



NOTE - Field Verify Area Prior to Fabrication of Sign.



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 9200 Valley Rd. Prescott Valley, Arizona 86314
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800-257-5095 arizonasignsplus.com

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Project Location:
 2733 N Recker Rd. | Mesa, AZ 85213

Account Executive:
 Chris Gilliland
Project Manager:
 HJ

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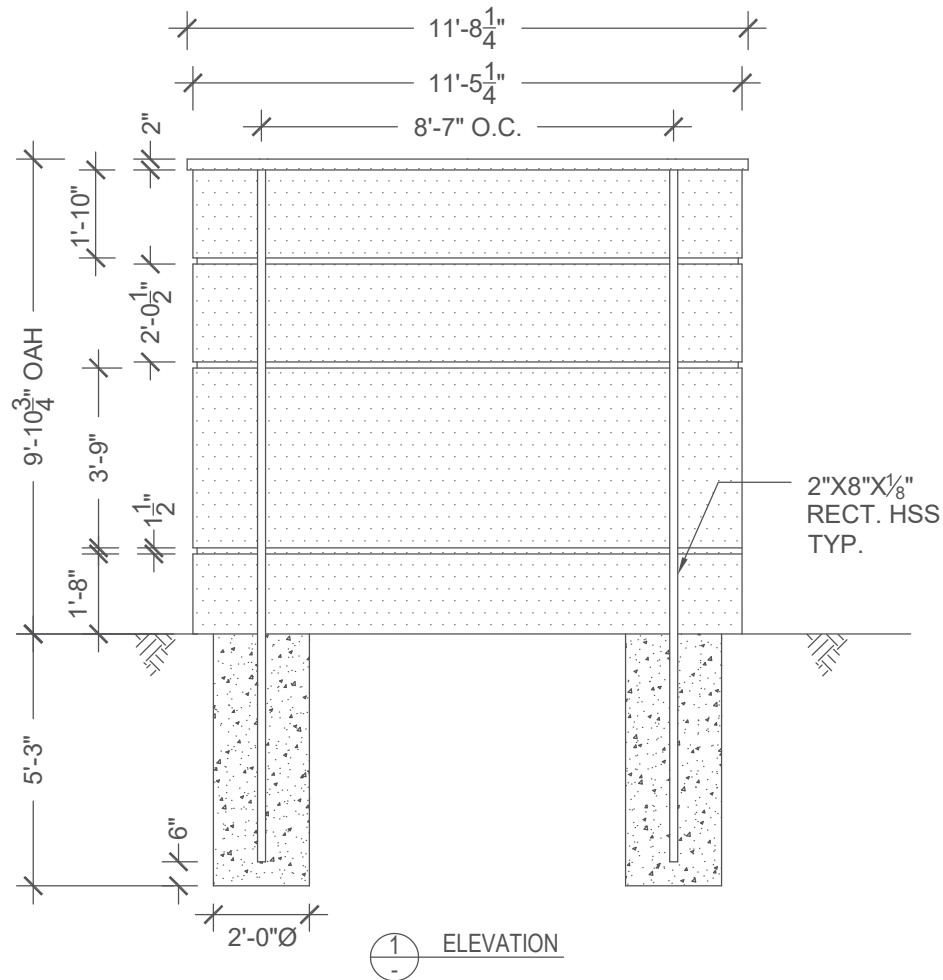
03-10/18/2023 BL

Sheet:

15 OF **15**

PROJECT: CHEVRON, 2733 N. RECKER RD., MESA, AZ
 PROJECT #: 38071
 CLIENT: ARIZONA SIGNS PLUS

DATE: 12/6/2022
 ENGINEER: TH
 LAST REVISED:



GENERAL NOTES

1. DESIGN CODE: IBC 2018
2. DESIGN LOADS: ASCE 7-16
3. WIND VELOCITY 105 MPH EXPOSURE C
4. CONCRETE 2500 PSI MINIMUM
5. RECT. HSS STEEL ASTM A500 GR. B, $F_y = 46$ KSI MIN.
6. PROVIDE MIN. 3" CLEAR COVER ON ALL STEEL EMBEDDED IN CONCRETE WHEN CAST AGAINST SOIL
7. LATERAL SOIL BEARING PER IBC CLASS 4 (150 PSF/FT)
8. PROVIDE PROTECTION AGAINST DISSIMILAR METALS
9. ALL DIMENSIONS TO BE VERIFIED PRIOR TO FABRICATION





PROJECT: CHEVRON
 PROJ. NO.: 38071
 CLIENT: ARIZONA SIGNS PLUS

DATE: 12/6/2022
 ENGINEER: TH

V5.5

units; pounds, feet unless noted otherwise

Applied Wind Loads; from ASCE 7-16

$F = q_z * G * C_f * A_f$ with $q_z = 0.00256 K_z K_{zt} K_d V^2$ (29.3.2 & 29.4)
 $C_f = 1.404$ (Fig. 29.3-1) 2 pole C_f factor = 0.97 8.58333333 max. height = 9.90
 $K_{zt} = 1.0$ (26.8.2) (=1.0 unless unusual landscape)
 $K_z =$ from table 28.3-1 Exposure = c
 $K_d = 0.85$ for signs (table 26.6-1)
 $V = 105$ mph
 $G = 0.85$ (26.9) weight = 1.133 kips
 $s/h = 0.999$ $M_{DL} = 0.00$ k-ft
 $B/s = 1.16$

Pole Loads	structure component	height at section c.g.	K_z	q_z	pressure $q_z * G * C_f$	A_f	shear	Wind Moment M_w	
	1	0.83	0.850	20.4	24.34	19.06	464	387	
	2	1.73	0.850	20.4	24.34	1.41	34	59	
	3	3.67	0.850	20.4	24.34	42.89	1044	3828	
	4	5.60	0.850	20.4	24.34	1.41	34	192	
	5	6.69	0.850	20.4	24.34	23.35	568	3801	
	6	7.77	0.850	20.4	24.34	1.41	34	266	
	7	8.75	0.850	20.4	24.34	20.97	510	4466	
	8	9.79	0.850	20.39	24.34	2.77	67	659	
					sums:	113.27	2757	13.66	(M_w) k-ft arm = 5.0
two pole distribution factor *b*s (asce fig. 29.4-1):					x 0.71		1952	9.67	
for s/h=1, add 10% (asce fig. 29.4-1):					x 1.10			10.64	
					$P_u = 1.36$ kip		$M = 10.64$ k-ft	$M = \sqrt{M_{DL}^2 + M_w^2}$	
$M_u = \sqrt{1.2M_{DL}^2 + 1.0M_w^2} =$					10.64 k-ft				

Pole Design

section; tube

H	M_u (k-ft)	Z req'd. (in)	Size(in)	t (in)	Z	USE
at grade	10.64	3.08	4	0.174	3.7	2x8x1/8" Rect. HSS, $\phi M_n = 17.6$ k-ft

Footing Design

footprint: round

$\omega = 1.3$ IBC 1605.3.2 IBC Table 1806.2, sections 1806.3.4, 1807.3.2 $S = (1.3 \times 2 \times 150 \text{ psf/ft})$
 $P = 1.52$ kip $S_1 = S \times d / 3$ $A = 2.34 \times P / (S_1 \times b)$ $S = 400$
 $S_1 = 696$ $d = 0.5 \times A (1 + (1 + 4.36 \times h/A)^{.5})$ IBC 1807.3.2.1
 $A = 2.56$

footing: 2' - 0" dia.

5' - 3" deep

December 22, 2022

Signs Plus
2507 W Villa Rita Dr.
Phoenix, AZ 85023

RE: LED Digital Sign Illumination
Project: DenMar Corp - Chevron

To Whom It May Concern:

Per city ordinance - 11-43-5-B, the sign in question is configured not to exceed an illumination level of 0.3 foot candles above ambient light as measured at a distance based on sign area measured as follows: (measurement distance = square root of sign area (sq.ft) x 100).

Area of Sign sq.ft	Measurement distance (ft)	Area of Sign sq.ft	Measurement distance (ft)
10	32	15	39
20	45	25	50
30	55	35	59
40	63	45	67
50	71	55	74
60	77	65	81
70	84	75	87
80	89	85	92
90	95	95	97
100	100		

This sign is equipped with an auto brightness control sensor (photocell) that detects ambient light levels and adjusts the display luminosity automatically according to ambient light. It can further limit the maximum allowable light output.