Prepared for:

Dink and Dine

Project Address:
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ
85201

Legal Description & Project Data:

Assessor Parcel:	135-33-545
Zoning:	LC
Occupancy Type:	A-2
Addt'l Occupancy:	B & S
Construction Type:	III-B

From: Kasha Burlington
cell: 317.366.4594
email: kburlington@ad-s.com

From: Brittney Lawton
cell: 714.469.8898
email: blawton@ad-s.com

Scope of Work:

PAGE NO	SIGN ID	SIGN TYPE	D/F (Y or N)	ILLUM'D (Y or N)	SIGN DIMENSIONS	SIGN QTY	SIGN AREA
IC.00	IC-101	CHNL LTRS	N	Y	29'-6" x 2'-3"	1	66.4 sq ft
STL.00	STL-101	CHNL LTRS	N	Y	21'-3" OAL x 6'-5 3/4" OAH	1	121.3 sq ft
TL.00	TL-101	ARCH GRAPHIC	N	N	6'-4 1/2" x 19'-5 1/2"	1	76.5 sq ft
BE.00	BE-101	CHNL LTRS	N	Y	16'-5" x 3'-0"	1	49.3 sq ft
ETL.00	ETL-101	CHNL LTRS	N	Y	21'-3" OAL x 6'-5 3/4" OAH	1	121.3 sq ft

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SAN FRANCISCO, CA & SAN DIEGO, CA

- [ ] Conceptual Package
- [x] Permit Package
- [ ] Production Package

Client Name (Please Print) _____ Date ____/____/____

Client Name (Signature) _____

PLEASE INITIAL ALL PAGES

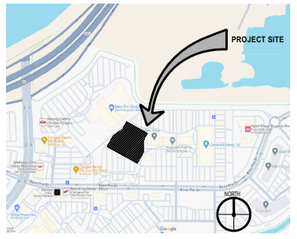
AD/S Drawing #36984 Rev. #06 (PS) Rev. Date: 04-30-25

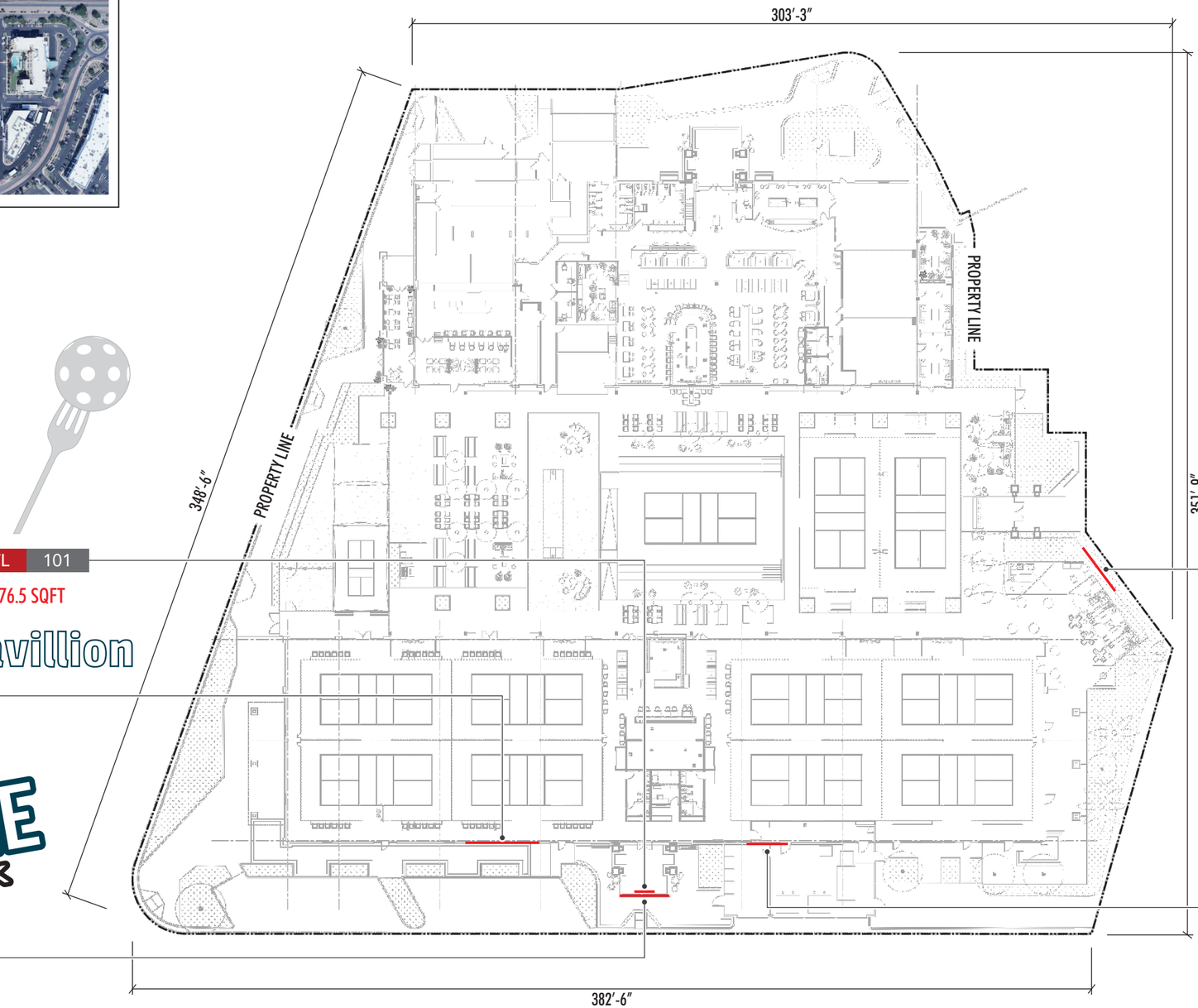
Pages: 19 (Including Cover Sheet)

- [ ] Approved
- [ ] Approved as Noted
- [ ] Revise & Resubmit
- [ ] Rejected

SITE AERIAL

VICINITY MAP





TL 101
76.5 SQFT

IC 101
66.4 SQFT

STL 101
121.3 SQFT

ETL 101
121.3 SQFT

BE 101
49.3 SQFT

N

1 SITE PLAN
SCALE: 1" = 50'-0"

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file path: \\ADS11\Design\ADS Drawings\Dink & Dine\Job 53303 (dwg 36984)\5 - permit

Client:
DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

Project:
Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: Site Plan
Sheet No: SP1.00 2 of 19

REQUIREMENTS FOR ELECTRICAL ILLUMINATION:

PRIMARY ELECTRICAL TO SIGN LOCATIONS TO BE PROVIDED BY OTHERS. A DEDICATED CIRCUIT WITH NO SHARED NEUTRALS AND A GROUND RETURNING TO THE PANEL IS REQUIRED FOR INSTALLATION.

NOTE: THIS PERTAINS TO THE SIGN'S INTERNAL WIRING ONLY, NOT THE PRIMARY WIRING.
ALL TRANSFORMERS/DRIVERS/POWER SUPPLIES SHALL BE (GFI) GROUND FAULT-INTERRUPTED.
ALL SIGNS HAVE: - DEDICATED BRANCH CIRCUIT
- THREE WIRES : LINE, NEUTRAL, & GROUND
- WIRE SIZE : MINIMUM OF 12 GA. THHN COPPER WIRE
ALSO NOTE: GAUGE OF WIRE IS DETERMINED BY THE LENGTH OF RUN & AMPERAGE AS PER NEC ARTICLE 300.
- GROUND WIRE MUST BE CONTINUOUS AND GO FROM THE SIGN TO THE PANELBOARD GROUND BUS.
- VOLTAGE SHOULD READ NO MORE THAN 3 VOLTS BETWEEN GROUND AND NEUTRAL.
- CONDUIT CAN NOT BE USED AS GROUND PATH.
- POWER TO SIGN MUST BE DONE BY A LICENSED ELECTRICIAN OR ELECTRICAL CONTRACTOR.

- 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 sign.
- The location of the Disconnect Switch after installation shall comply with Article 600.6(A)(1) of the National Electrical Code.

E-Note #1: All requirements not in sign company's scope of work must be in place prior to installation.

E-Note #2: Electrical to be brought to base of sign (by others) and not in sign company's scope of work.

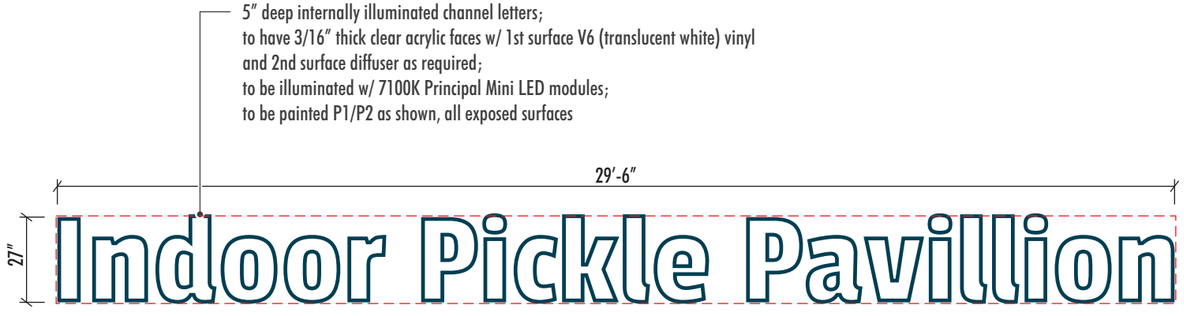
E-Note #3: Timers and/or photocells for signs to be furnished and installed by the customer's electrician, who should also ensure that the completed electrical system is code compliant.

ALL COMPONENTS TO BE UL APPROVED

ALL SIGNS TO BE UL LISTED

1 Dedicated 20 Amp Circuit at 120 Volts

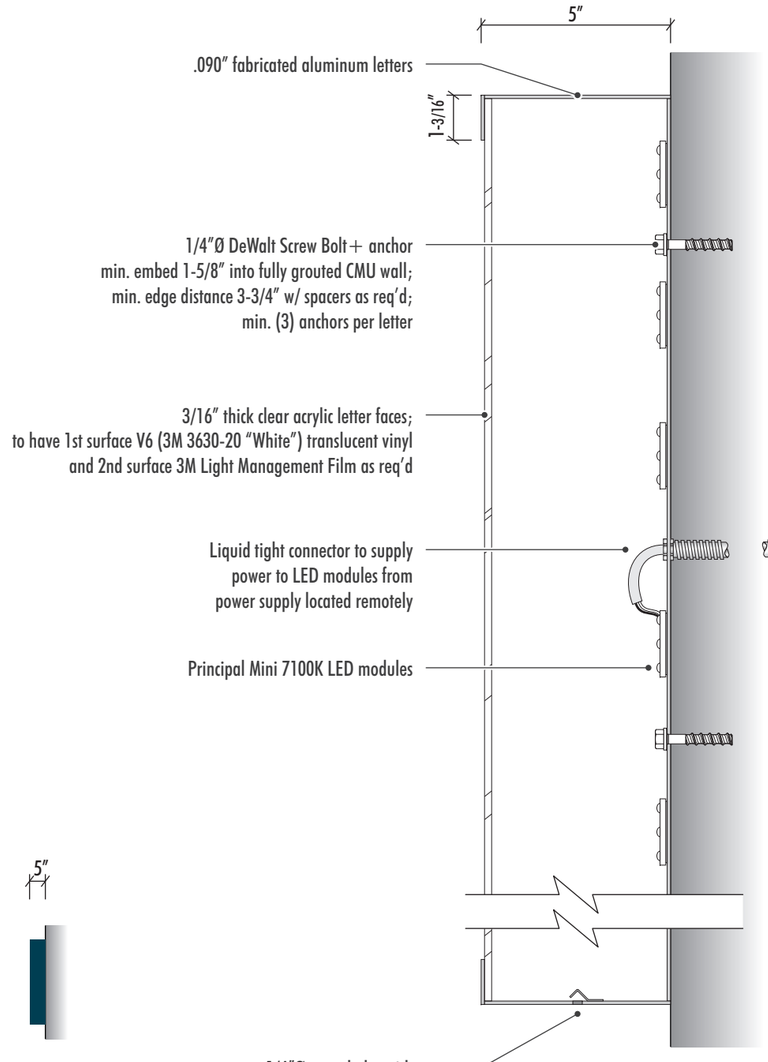
5" deep internally illuminated channel letters;
to have 3/16" thick clear acrylic faces w/ 1st surface V6 (translucent white) vinyl
and 2nd surface diffuser as required;
to be illuminated w/ 7100K Principal Mini LED modules;
to be painted P1/P2 as shown, all exposed surfaces



1 SIGN IC – INDOOR PICKLE PAVILION
SCALE: 1/4" = 1' - 0"

QTY: [01]
66.4 SQFT

IC 101
APPLICATION # BOA25-00302



2 SECTION DETAIL
SCALE: 3" = 1' - 0"

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file path: \\ADS11\Design\ADS Drawings\Dink & Dine\Job 53303 (dwg 36984)\5 - permit

Client:
DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

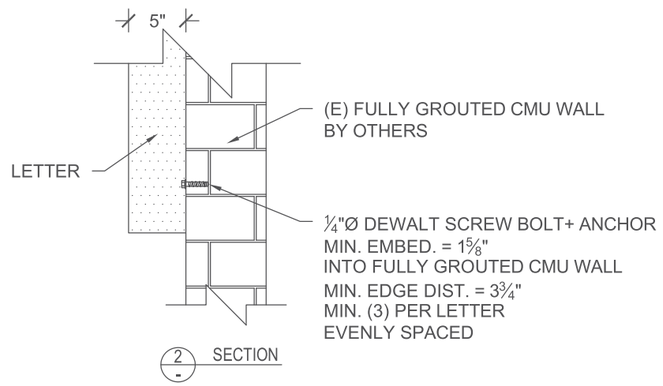
Project:
Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: IC – Indoor Courts
Sheet No: IC.00

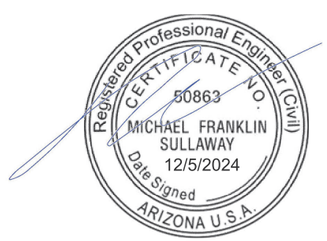
SULLAWAY ENGINEERING
12396 WORLD TRADE DRIVE, SUITE 312
SAN DIEGO, CA 92128
PROJECTMANAGER@SULLAWAYENG.COM
PHONE: 1-858-312-5150 FAX: 1-858-777-3534

PROJECT: DINK & DINE PICKLE PARK, IC - INDOOR COURTS - CHANNEL LETTER, 1065 N. DOBDSON RD., MESA, AZ
PROJECT #: 48951C
CLIENT: ARCHITECTURAL DESIGN & SIGN
DATE: 12/05/2024
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. DEWALT SCREW-BOLT+ ANCHORS PER ICC-ESR-4042
5. CMU BLOCK SHALL CONFORM TO CHAPTER 21 OF IBC, ASTM C90, WITH STRENGTH F'M=1500 PSI MIN.
6. GROUT SHALL COMPLY PER IBC SECTION 2103.3
7. MORTAR SHALL COMPLY PER IBC SECTION 2103.2.1 AND MUST BE TYPE M, S OR N
8. PROVIDE PROTECTION AGAINST DISSIMILAR METALS
9. ALL DIMENSIONS TO BE VERIFIED PRIOR TO FABRICATION
10. ALL EXISTING ELEMENTS AND DIMENSIONS TO BE VERIFIED IN FIELD



SULLAWAY ENGINEERING

PROJECT: DINK & DINE PICKLE PARK
PROJ. NO.: 48951C
CLIENT: ARCHITECTURAL DESIGN & SIGN
DATE: 12/5/2024
ENGINEER: TH

V5.8

units; pounds, feet unless noted otherwise

Applied Wind Loads; from ASCE 7-16

$p_{net}=\lambda\ K_{zt}\ p_{net30}$ (ASCE 30.4-1)

λ=		(ASCE Fig. 30.4-1)			
K_{zt}=	1.0	(unless unusual landscape)			
V=	105		Exposure=	c	
Area=	1.4	ft^2			
max. height=	29.00	ft			
p_{net30}=	19.84	psf		p_{net}=	26.79 psf
p_{net30}=	-26.59	psf		**p_{net}=**	**-35.90 psf**

Check 1/4" Dia. Dewalt Screw Bolt+ Anchor with Min. Embed.= 1.625" into CMU Wall: (ASD)

Pnet=	See Above=	35.90	psf
Tributary Area for letter "O"=	A_{Trib}=((2'-3")*(2'-3"))	5.06	ft^2
Wind Load=	WL=0.6*Pnet*A_{Trib}=	109	lbs
Dead Load=	DL=10psf*A_{Trib}=	51	lbs
#bolts=	=	3	bolts
Tension per bolt=	Ta=WL/#bolts=	36	lbs
Shear per bolt=	Va=DL/#bolts=	17	lbs
Tension capacity=	(Per ICC ESR-4042) Tc=	315	lbs
Shear capacity=	Vc=	400	lbs

Combined Check: Ta/Tc+Va/Vc= 0.16 <1 **OK**

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file path: \\ADS11\Design\ADS Drawings\Dink & Dine\Job 53303 (dwg 36984)\5 - permit

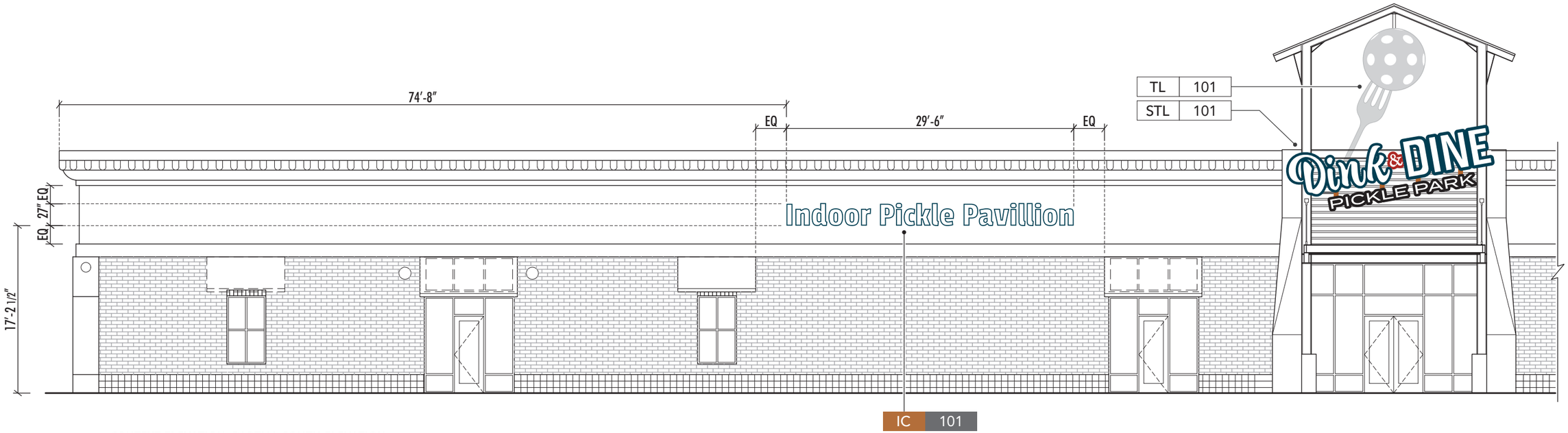
Client: DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

Project: Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: Indoor Courts - Calcs
Sheet No: IC.10

A PHOTO RENDERING – CURRENT CONDITIONS
SCALE: NTS



CE CONTEXT ELEVATION, PARTIAL SOUTH ELEVATION
SCALE: 3/32" = 1' - 0"

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file path: \\ADS11\Design\ADS Drawings\Dink & Dine\Job 53303 (dwg 36984)\5 - permit

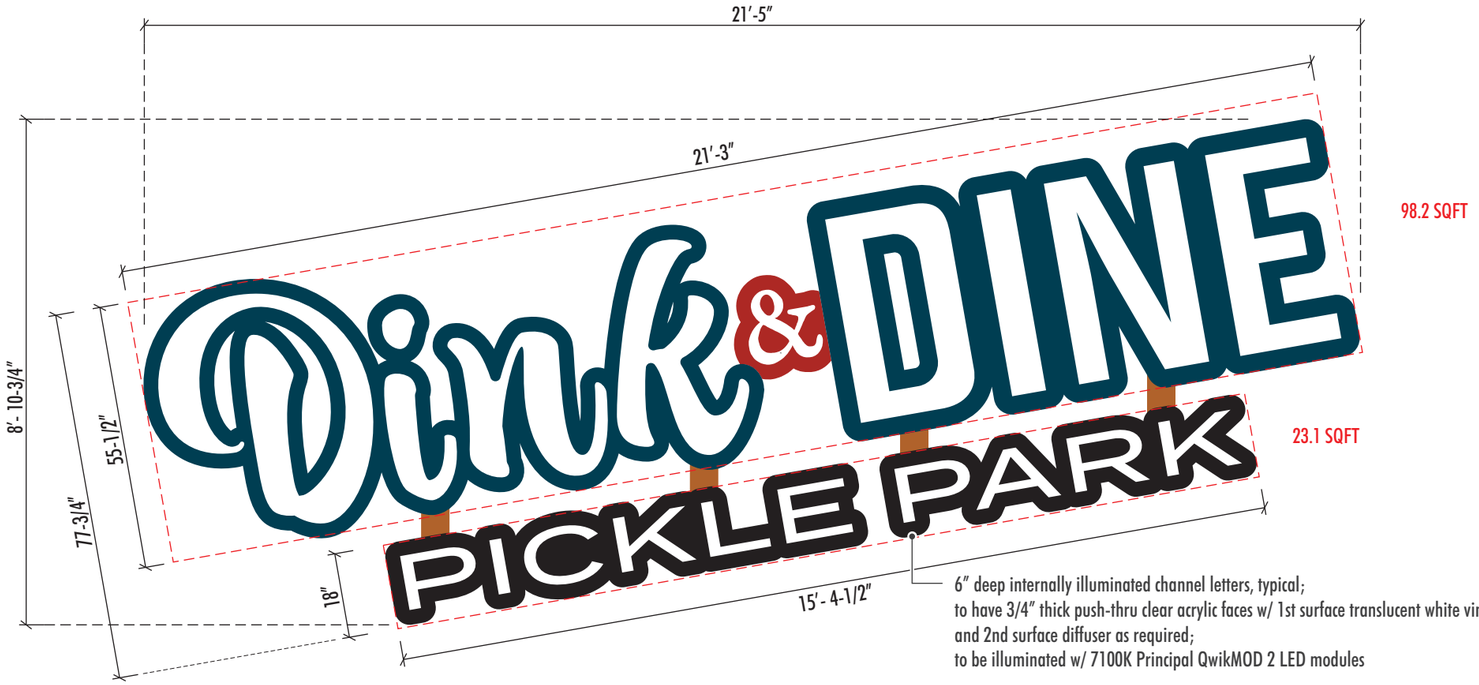
Client:
DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

Project:
Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: Indoor Courts
Sheet No: IC.20 5 of 19

APPLICATION # PRS25-00225



6" deep internally illuminated channel letters, typical;
to have 3/4" thick push-thru clear acrylic faces w/ 1st surface translucent white vinyl
and 2nd surface diffuser as required;
to be illuminated w/ 7100K Principal QwikMOD 2 LED modules

① SIGN STL – SOUTH TOWER LOGO (DINK & DINE PICKLE PARK)
SCALE: 3/8" = 1' - 0"

QTY: [01]
121.3 SQFT

STL 101
APPLICATION # PRS25-00225

REQUIREMENTS FOR ELECTRICAL ILLUMINATION:

PRIMARY ELECTRICAL TO SIGN LOCATIONS TO BE PROVIDED BY OTHERS. A DEDICATED CIRCUIT WITH NO SHARED NEUTRALS AND A GROUND RETURNING TO THE PANEL IS REQUIRED FOR INSTALLATION.

NOTE: THIS PERTAINS TO THE SIGN'S INTERNAL WIRING ONLY, NOT THE PRIMARY WIRING.
ALL TRANSFORMERS/DRIVERS/POWER SUPPLIES SHALL BE (GFI) GROUND FAULT-INTERRUPTED.
ALL SIGNS HAVE: - DEDICATED BRANCH CIRCUIT
- THREE WIRES : LINE, NEUTRAL, & GROUND
- WIRE SIZE : MINIMUM OF 12 GA. THHN COPPER WIRE
ALSO NOTE: GAUGE OF WIRE IS DETERMINED BY THE LENGTH OF RUN & AMPERAGE AS PER NEC ARTICLE 300.
- GROUND WIRE MUST BE CONTINUOUS AND GO FROM THE SIGN TO THE PANELBOARD GROUND BUS.
- VOLTAGE SHOULD READ NO MORE THAN 3 VOLTS BETWEEN GROUND AND NEUTRAL.
- CONDUIT CAN NOT BE USED AS GROUND PATH.
- POWER TO SIGN MUST BE DONE BY A LICENSED ELECTRICIAN OR ELECTRICAL CONTRACTOR.

- 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 sign.
- The location of the Disconnect Switch after installation shall comply with Article 600.6(A)(1) of the National Electrical Code.

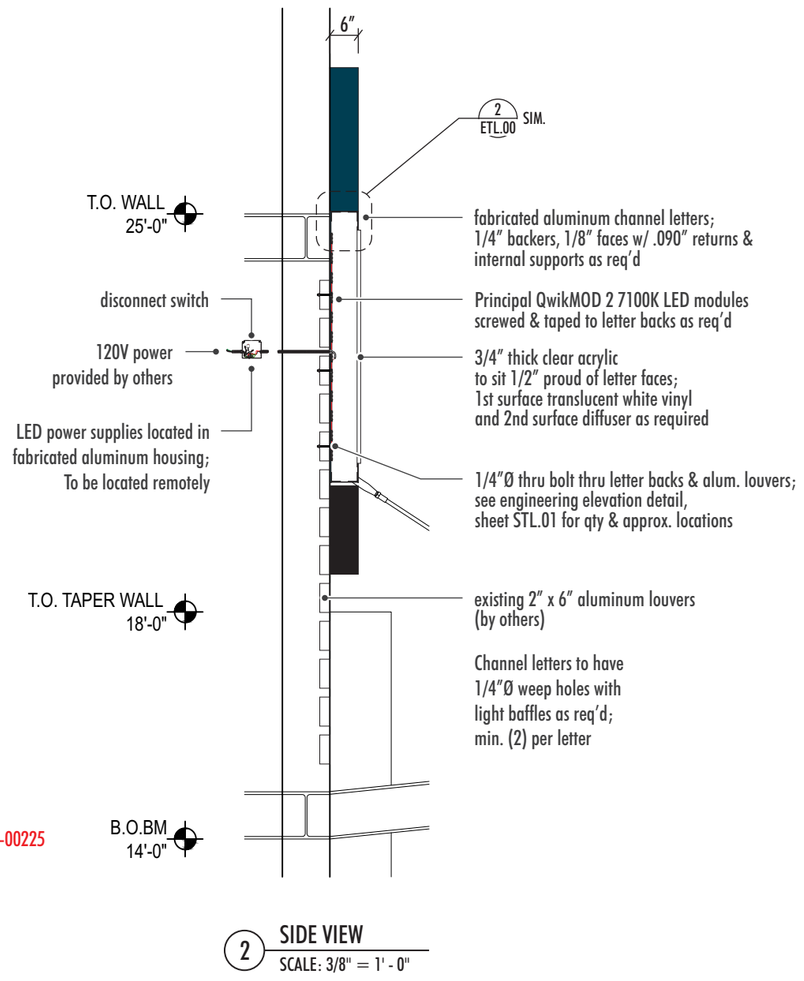
E-Note #1: All requirements not in sign company's scope of work must be in place prior to installation.

E-Note #2: Electrical to be brought to base of sign (by others) and not in sign company's scope of work.

E-Note #3: Timers and/or photocells for signs to be furnished and installed by the customer's electrician, who should also ensure that the completed electrical system is code compliant.

ALL COMPONENTS TO BE UL APPROVED
ALL SIGNS TO BE UL LISTED

1 Dedicated 20 Amp Circuit at 120 Volts



② SIDE VIEW
SCALE: 3/8" = 1' - 0"

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file path: \\ADS11\Design\ADS Drawings\Dink & Dine\Job 53303 (dwg 36984)\5 - permit

Client:
DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

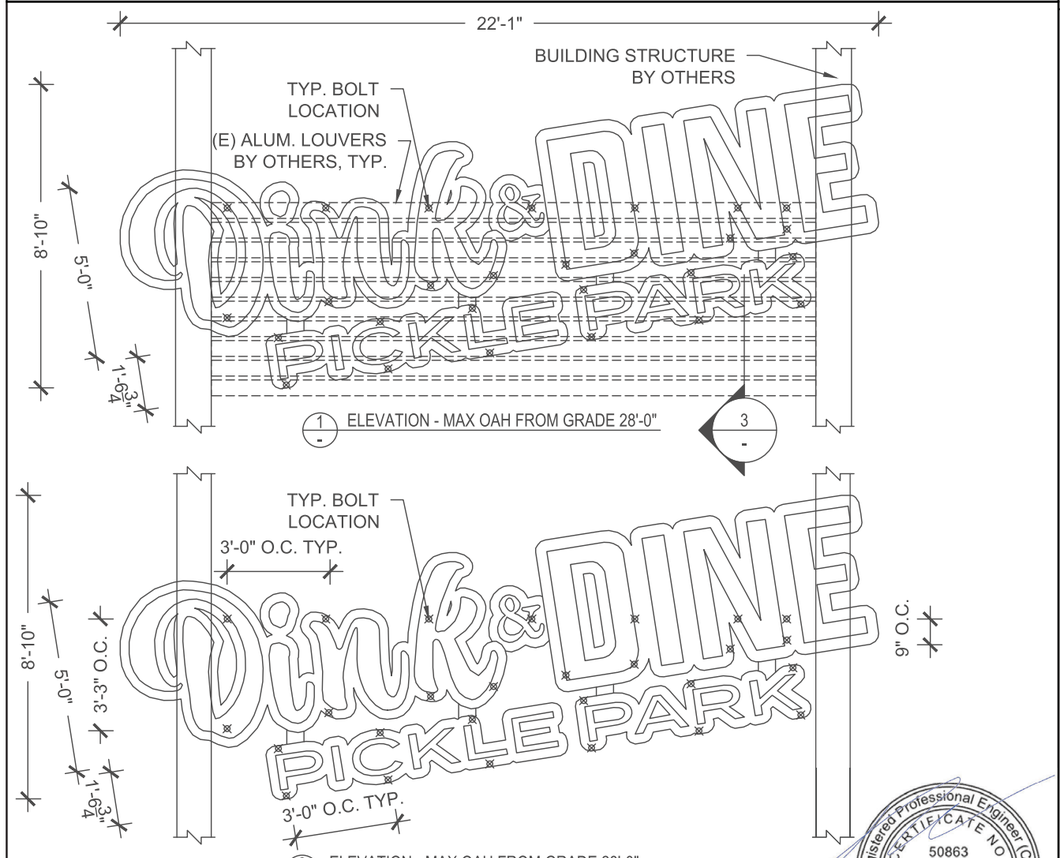
Project:
Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: STL – South Tenant Logo
Sheet No: STL.00 6 of 19

SULLAWAY ENGINEERING
12396 WORLD TRADE DRIVE, SUITE 312
SAN DIEGO, CA 92128
PROJECTMANAGER@SULLAWAYENG.COM
PHONE: 1-858-312-5150 FAX: 1-858-777-3534

PROJECT: DINK & DINE PICKLE PARK, SIGN TYPE: STL- SOUTH TENANT LOGO, 1065 N. DOBDSON RD., MESA, AZ
PROJECT #: 48951B
CLIENT: ARCHITECTURAL DESIGN & SIGN
DATE: 12/05/2024
ENGINEER: HL
LAST REVISED:



Registered Professional Engineer (Civil)
CERTIFICATE NO. 50863
MICHAEL FRANKLIN SULLAWAY
12-09-2024
Date Signed
ARIZONA U.S.A.

GENERAL NOTES
1. DESIGN CODE: IBC 2018
2. DESIGN LOADS: ASCE 7-16
3. WIND VELOCITY 105 MPH EXPOSURE C
4. STAINLESS STEEL BOLTS ASTM F593, Fu=65 KSI MIN.
5. PROVIDE PROTECTION AGAINST DISSIMILAR METALS
6. ALL DIMENSIONS TO BE VERIFIED PRIOR TO FABRICATION
7. ALL EXISTING ELEMENTS AND DIMENSIONS TO BE VERIFIED IN FIELD

SULLAWAY ENGINEERING

PROJECT: DINK & DINE PICKLE PARK
PROJ. NO.: 48951B
CLIENT: ARCHITECTURAL DESIGN & SIGN
DATE: 12/05/2024
ENGINEER: HL

V5.8

units; pounds, feet unless noted otherwise

Applied Wind Loads; from ASCE 7-16

$p_{net}=\lambda\ K_{zt}\ p_{net30}$ (ASCE 30.4-1)

λ=	1.35	(ASCE Fig. 30.4-1)				
K_{zt}=	1.0	(unless unusual landscape)				
V=	105	mph	Exposure=	C		
Area=	2.12	ft^2				
max. height=	28.00	ft				
p_{net30}=	19.84	psf			p_{net}=	26.79 psf
p_{net30}=	-26.59	psf			**p_{net}=**	**-35.90 psf**

Check 0.25" Dia. S.S. Thru bolts F593 - Letter Set to Alum. Louvers (LRFD): ϕ= 0.75

Pnet=	See Above=	35.90	psf	
Tributary Area Per Bolt (A_1)=	A_{Trib1}=(3'-0")*(3'-3")=	9.750	ft^2	
Tributary Area Per Strip (A_2)=	A_{Trib2}=Area from AutoCAD=	7.930	ft^2	
Wind Load (WL_1)=	WL1=Pnet*ATrib1=	0.350	kips	
Wind Load (WL_2)=	WL2=Pnet*ATrib2=	0.285	kips	
Dead Load (DL_1)=	DL1=1.2*10psf*ATrib1=	0.117	kips	
Dead Load (DL_2)=	DL2=1.2*10psf*ATrib2=	0.095	kips	
arm=	from AutoCAD=	23.75	in	
MWL=	WL_2*arm=	6.762	k-in	
arm=	(6")/2=	3	in	
MDL=	DL_2*arm=	0.285	k-in	
Governing Spacing=	=	9	in	
Additional tension due to WL=	TWL=MWL/spacing/1 bolt=	0.751	kips	
Governing Spacing=	=	9	in	
Additional tension due to DL=	TDL=MDL/spacing/1 bolt=	0.032	kips	
#bolts=	=	1	bolt	
Tu=	WL_1/#bolts+TWL+TDL=	1.133	kips	
Vu=	DL_1/#bolts=	0.117	kips	
dia.=	=	0.250	in	
Abolt=	=	0.049	in^2	
Fnt=	(0.75*65ksi)=	48.75	ksi	
Fnv=	(0.45*65ksi)=	29.25	ksi	
ϕTn=	ϕ*Fnt*Abolt=	1.795	kips	**ok**
ϕVn=	ϕ*Fnv*Abolt=	1.077	kips	**ok**
Combined Check:				
Fv=	Vu/Abolt=	2.384	ksi	
F'nt=	1.3Fnt-Fnt*Fv/ϕFnv≤Fnt=	49	ksi	
ϕTn=	ϕ*F'nt*Abolt=	1.795	kips	**ok**

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SAN FRANCISCO, CA & SAN DIEGO, CA

file path: \\ADS11\Design\ADS Drawings\Dink & Dine\Job 53303 (dwg 36984)\5 - permit

Client: DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

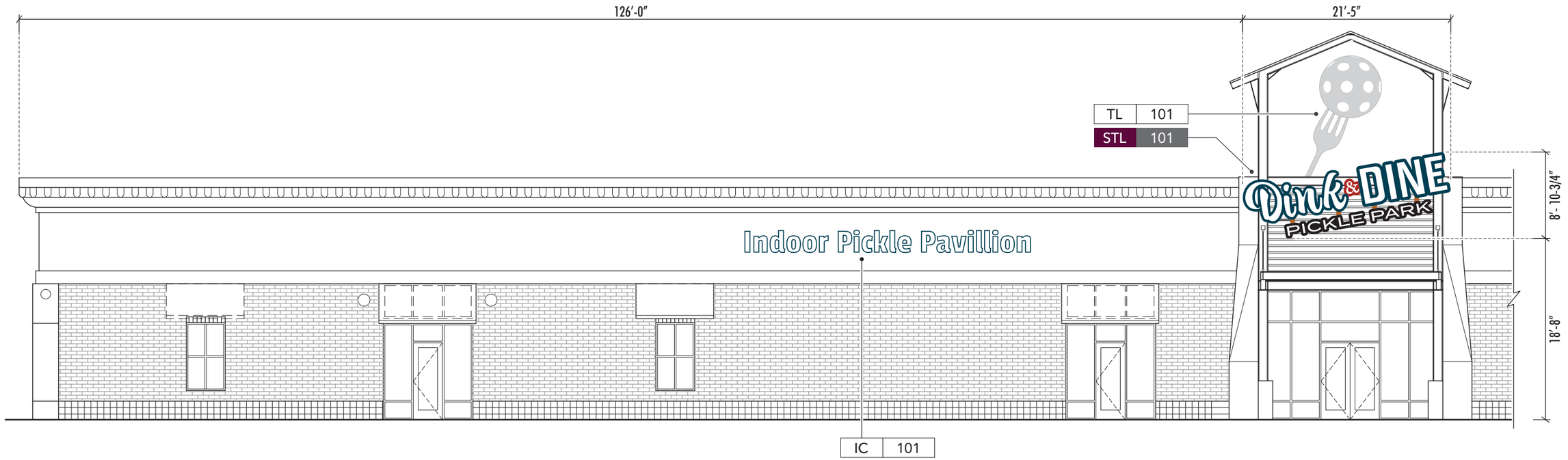
Project: Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: South Tenant Logo - Calcs
Sheet No: STL.10 7 of 19

proposed logo location
on new tower construction

A PHOTO RENDERING – CURRENT CONDITIONS
SCALE: NTS



CE CONTEXT ELEVATION, PARTIAL SOUTH ELEVATION
SCALE: 3/32" = 1' - 0"

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Client:
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Huntington Beach, CA 92648

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Dink and Dine
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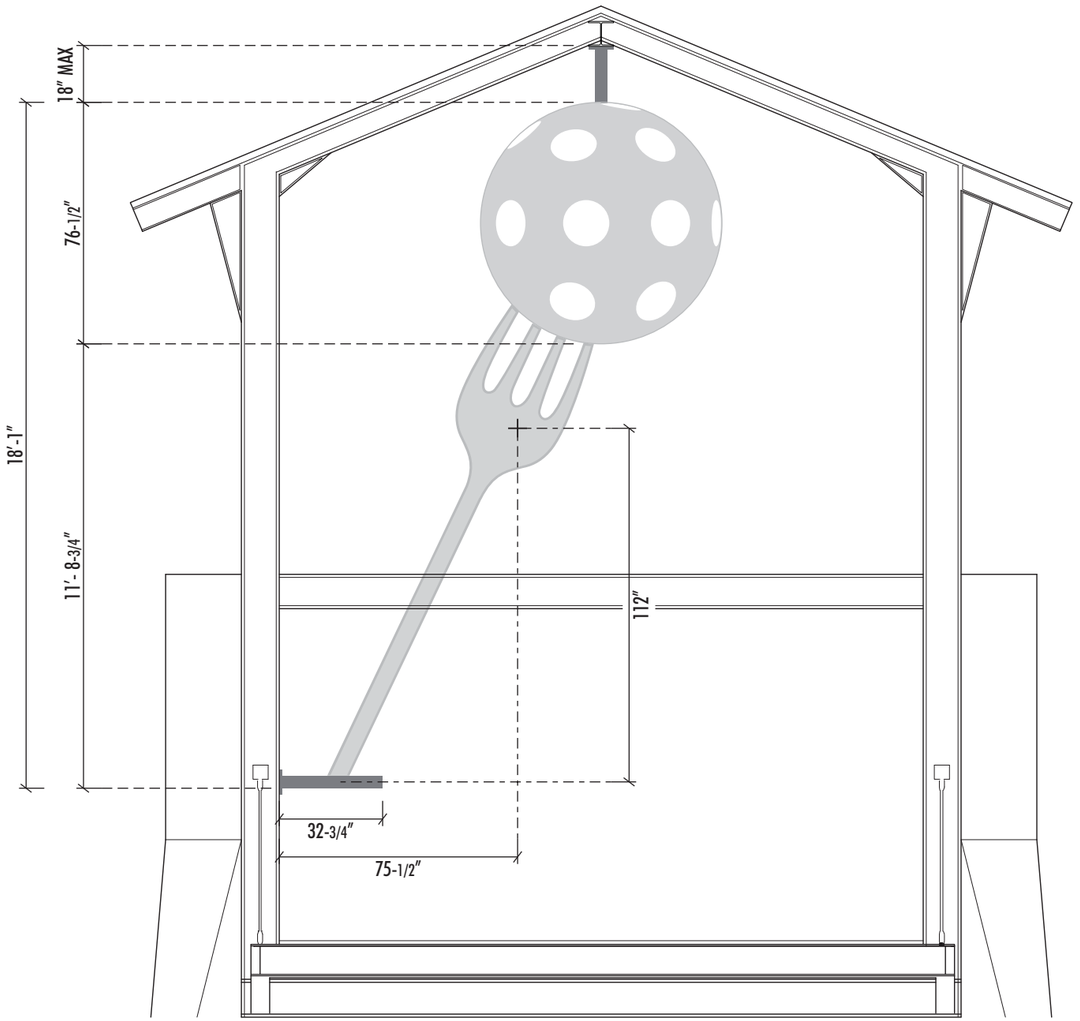
Mesa, AZ 85201

Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: South Tenant Logo - Elevation
Sheet No: STL.20 8 of 19

APPLICATION # BOA25-00302



1 SIGN TL – TOWER LOGO (PICKLE BALL AND FORK)

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

QTY: [01]

76.5 SQFT

TL 101

APPLICATION # BOA25-00302

Section 11-41-7(A)(6)(C) – (76.5 + 76.5 + 76.5 + 76.5) / 2 = 153

Section 11-43-9(B) – 153 / 2 = 76.5

MZO Section 11-41-7(A)(6)(C) – Spherical, free-form, sculptural, or other non-planar sign area is measured as fifty percent (50%) of the sum of the areas using only the four (4) vertical sides of the smallest four (4) vertical sided polyhedron that encompasses the sign structure (six (6) total sides when counting top and bottom)[See Figure 11-41-7-D]. No more than four vertical flat polyhedron faces are used to calculate the sign area for a non-planr sign.

MZO Section 11-43-9(B) – Fifty percent (50%) of the area of the three-dimensional figure shall be deducted from the total allowable sign area for the development.

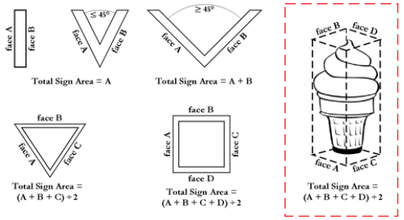
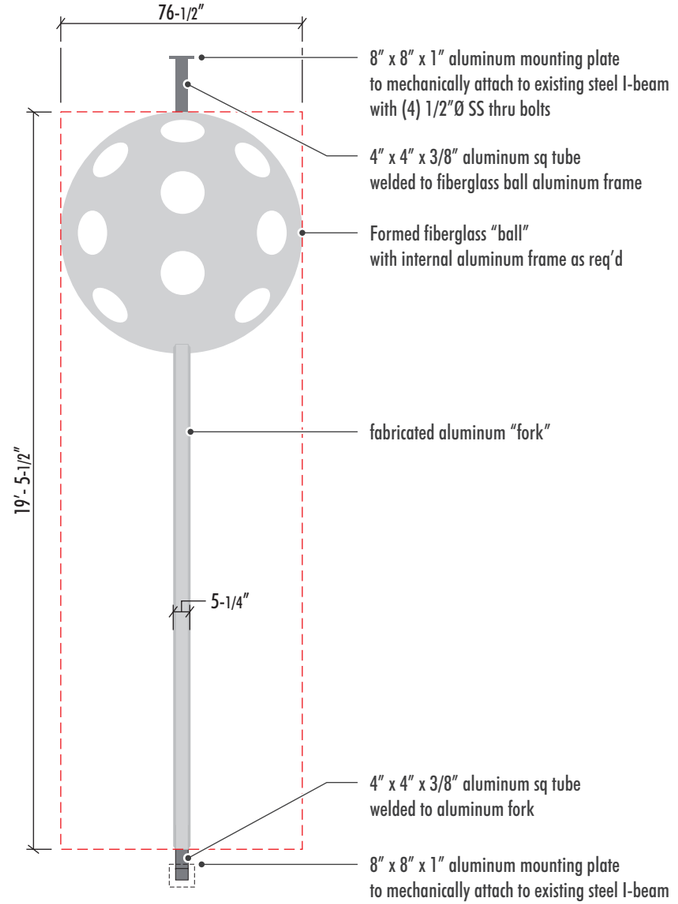
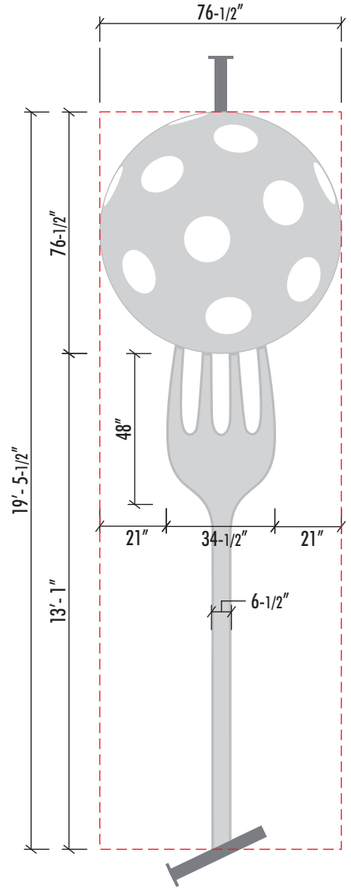


Figure 11-41-7-D



2 DETAIL – FACES A & D

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



3 DETAIL – FACES B & C

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

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SAN FRANCISCO, CA & SAN DIEGO, CA

file path: \\ADS11\Design\ADS Drawings\Dink & Dine\Job 53303 (dwg 36984)\5 - permit

Client:
DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

Project:
Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

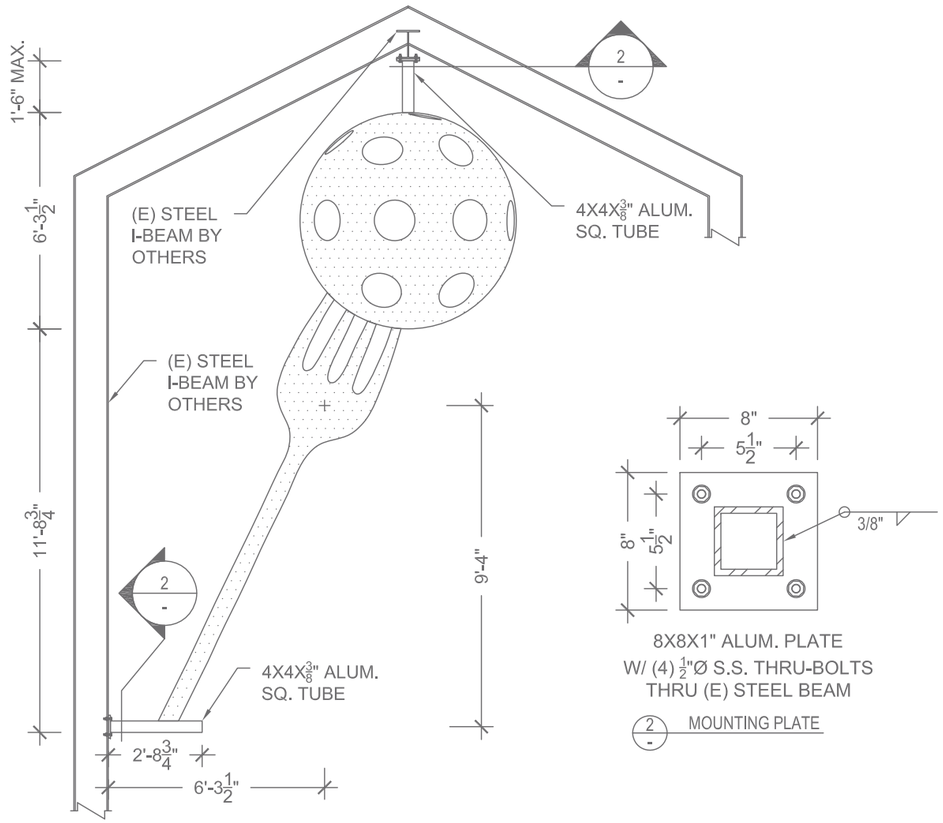
Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: TL – Tower Logo
Sheet No: TL.00

SULLAWAY ENGINEERING
12396 WORLD TRADE DR.
SUITE 312, SAN DIEGO, CA 92128
PROJECTMANAGER@SULLAWAYENG.COM
PHONE: 1-858-312-5150 FAX: 1-858-777-3534

PROJECT: DINK & DINE PICKLE PARK - 1065 N. DOBDSON RD., MESA, AZ
PROJECT #: 48951E
CLIENT: ARCHITECTURAL DESIGN & SIGN

DATE: 12/13/2024
ENGINEER: TH
LAST REVISED:



1 - ELEVATION - 40'-0" MAX. OAH FROM GRADE

GENERAL NOTES
1. DESIGN CODE: IBC 2018
2. DESIGN LOADS: ASCE 7-16
3. WIND VELOCITY: 105 MPH EXPOSURE C
4. STAINLESS STEEL BOLTS ASTM F593, Fu=65 KSI MIN.
5. ALUMINUM ELEMENTS 6061-T6
6. PROVIDE PROTECTION AGAINST DISSIMILAR METALS USING ANTI-CORROSIVE PAINT OR NEOPRENE GASKETS.
7. ALL DIMENSIONS TO BE VERIFIED PRIOR TO FABRICATION.
8. ALL EXISTING ELEMENTS AND DIMENSIONS TO BE VERIFIED IN FIELD.

SULLAWAY ENGINEERING
12396 World Trade Drive, San Diego, CA 92128
projectmanager@sullawayeng.com
Phone: 858-312-5150 Fax: 858-777-3534

PROJECT: DINK & DINE PICKLE PARK
PROJ. NO.: 48951E
CLIENT: ARCHITECTURAL DESIGN & SIGN

DATE: 12/16/2024
ENGINEER: TH

V5.5

units; pounds, feet unless noted otherwise

Applied Wind Loads; from ASCE 7-16

$p_{net}=\lambda\ K_{zt}\ p_{net30}$ (ASCE 30.4-1)

λ=	1.45	(ASCE Fig. 30.4-1)			
K_{zt}=	1.0	(unless unusual landscape)			
V=	105	mph	Exposure=	c	
Area=	44.5	ft^2			
max. height=	40.0				
p_{net30}=	18.00	psf	p_{net}=	26.10	psf
p_{net30}=	-22.84	psf	**p_{net}=**	**-33.12**	psf

Check 1/2" dia. S.S. Thru-Bolts - Pickle Ball to Steel Beam = 0.75 (LRFD)

Pnet=	(see above)=	33.12	psf		Fu = 65 ksi
Trib. Area=	(6.29'/2)^2+(4"/12)(1.5')=	31.57	ft^2		Fnt=0.75*Fu= 48.75 ksi
wind force=	1 x 31.565 x 33.12 psf=	1045	lbs		Fnv=0.45*Fu= 29.25 ksi
arm=	((1' 6")+(6.29'/2))*12"=	55.74	in		bolt dia.= 0.500 in
MWL=	wind force * arm=	58272	lbs in	58.27 k in	A bolt= 0.196 in^2
spacing=	s=	5.5	in		
TWL=	MWL/s/2 bolts=	5297	lbs		
dead load=	1.2 x 31.565 x 10 psf=	379	lbs		
# anchors=	n=	4			
T per anchor=	dead load / n+TWL=	5392	lbs	5.39 kips	
T capacity=	Fnt*Abolt=	7179	lbs	7.18 kips	**OK**
V per anchor=	wind load / n=	261	lbs	0.26 kips	
V capacity=	Fnv*Abolt=	4307	lbs	4.31 kips	**OK**

Combined Tension & Shear Check:

frv =	V per bolt / A(bolt) =	1.33	ksi	
F'nt =	1.3Fnt - Fnt/ϕFnv*frv $\leq$ Fnt =	49	ksi	
ϕRnt =	ϕF'nt*A(bolt) =	7.18	kips	**OK**

Check 8x8x1" Aluminum Plate

n = 2.000 arm = 0.850 in b = 8.000 in t = 1 in T = 5.392 k

Mplate = T per bolt * n * arm = 9.167 k-in (T= see above)

S= bt^2/6= 1.333 in^3

ϕMn = *Fy*S*1.5 = 0.9*11ksi*S*1.5 = 19.800 k-in **OK**

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SAN FRANCISCO, CA & SAN DIEGO, CA

file path: \\ADS11\Design\ADS Drawings\Dink & Dine\Job 53303 (dwg 36984)\5 - permit

Client:
DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

Project:
Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: Pickle Ball w/ Fork Calcs
Sheet No: TL.10

Check 1/2" dia. S.S. Thru-Bolts - Fork to Steel Beam = 0.75 **(LRFD)**

Pnet=	(see above)=	33.12 psf			Fu =	65 ksi
Trib. Area=	15 ft²+ (4")(2' 8.75")=	15.91 ft²			Fnt=0.75*Fu=	48.75 ksi
wind force=	1 x 15.91 x 33.12 psf=	527 lbs			Fnv=0.45*Fu=	29.25 ksi
arm=	(9' 4")=	112 in			bolt dia.=	0.500 in
MWL=	wind force * arm=	59017 lbs in	59.02 k in		A bolt=	0.196 in²
spacing=	s=	5.5 in				
TWL=	MWL/s/2 bolts=	5365 lbs				
dead load=	1.2 x 15.91 x 10 psf=	191 lbs				
arm=	(6' 3.5")=	75.5 in				
MDL=	dead load * arm=	14414 lbs in	14.41 k in			
spacing=	s=	5.5 in				
TDL=	MDL/s/2=	1310 lbs				
# anchors=	n=	4				
T per anchor=	TWL+TDL=	6676 lbs	6.68 kips			
T capacity=	Fnt*Abolt=	7179 lbs	7.18 kips	**OK**		
V per anchor=	wind load/n+dead load/n=	179 lbs	0.18 kips			
V capacity=	Fnv*Abolt=	4307 lbs	4.31 kips	**OK**		

Combined Tension & Shear Check:

frv =	V per bolt / A(bolt) =	0.91 ksi	
F'nt =	1.3Fnt - Fnt/ϕFnv*frv ≤ Fnt =	49 ksi	
ϕRnt =	ϕF'nt*A(bolt) =	7.18 kips	**OK**

Check 8x8x1" Aluminum Plate

n = 2.000 arm = 0.850 in b = 8.000 in t = 1 in T = 6.676 k

Mplate =	T per bolt * n * arm =	11.349 k-in	(T= see above)
S=	bt^2/6=	1.333 in³	
ϕMn =	*Fy*S*1.5 = 0.9*11ksi*S*1.5 =	19.800 k-in	**OK**

SULLAWAY ENGINEERING
10815 Rancho Bernardo RD., SD, CA 92127
projectmanager@sullawayeng.com
Phone: 858-312-5150 Fax: 858-777-3534
www.sullawayeng.com

PROJECT: DINK & DINE PICKLE PARK **DATE:** 12/13/2024
PROJ. NO.: 48951E **ENGINEER:** TH
CLIENT: ARCHITECTURAL DESIGN & SIGN

Check 4"x4"x0.375" Sq. Aluminum Tube (ADM 2015 - Ch F)

Top Outrigger:	Mu=MWL=	58.27 k-in			d	t
					4	0.375
Bottom Outrigger:	Mu=MWL+MDL=	73.43 k-in	< governs		welded?	yes
					Fcy = Fty =	15 ksi
					Z =	7.418 in³
	Mu =	73.43 k-in			St =	6.018 in³
Yielding: (Governs)					=	0.9
(ADM 15, F.2)	Mn = Z Fcy =	111.3 k-in			=	1 ksi
	Mn = 1.5 St Fty =	135.4 k-in			E =	10100 ksi
					k1c =	0.35
	Mn =	100.1 k-in	OK		k2c =	2.27
LB:					k1f =	0.5
(ADM 15 F.3.1)	Bp =	19.9 ksi			k2f =	2.04
	Dp =	0.11 ksi			b/t =	8.7
	Cp =	122.7			m =	0.65
					I =	12.036 in⁴
	1 = Bp-Fcy/1.6Dp =	28.4			ccf =	1.813 in
	2 = k1 Bp/1.6Dp =	57.4			ccw =	2.0 in
	since b/t< 1: Fc = Fcy =	15.00				
	Bbr =	26.4 ksi				
	Dbr =	0.17 ksi				
	Cbr =	107				
	1 = Bbr-1.5 Fcy/mDbr =	36.4				
	2 = k1 Bbr/mDbr =	123.1				
	since b/t< 1: Fc = 1.5 Fcy =	22.50				
	Mnlb = Fc If / ccf + Fb Iw / ccw =	235.02 k-in				
	Mnlb =	211.51 k-in	OK			

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file path: \\ADS11\Design\ADS Drawings\Dink & Dine\Job 53303 (dwg 36984)\5 - permit

Client: DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

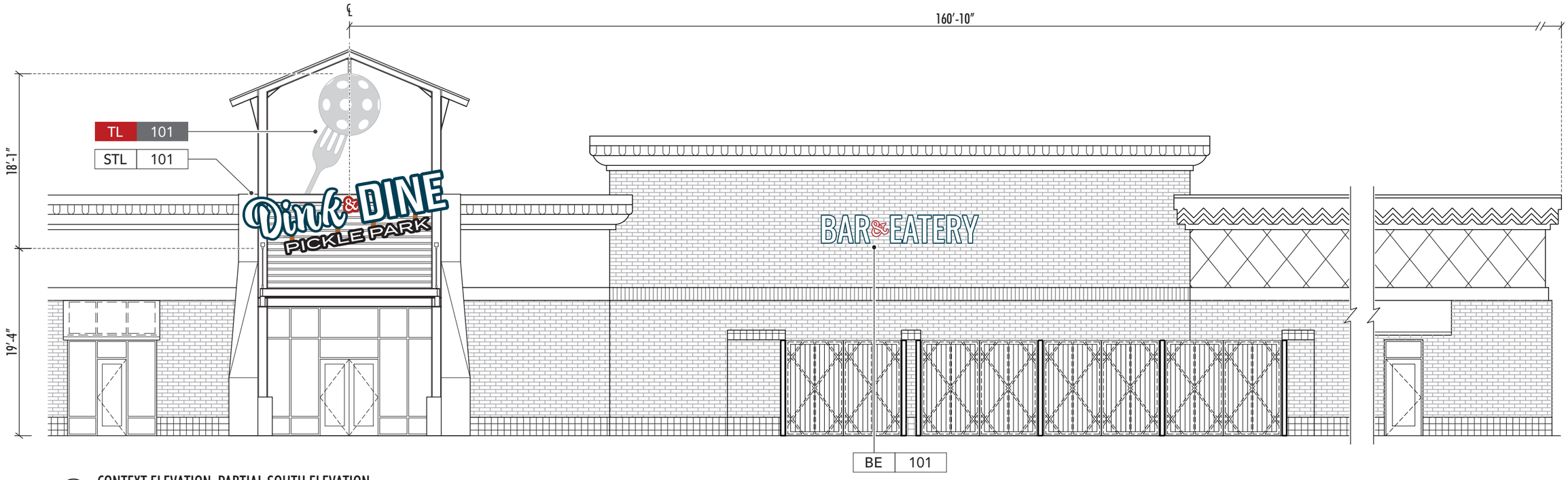
Project: Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: Pickle Ball w/ Fork Calcs
Sheet No: TL.11 11 of 19

proposed logo location
on new tower construction

A PHOTO RENDERING
SCALE: NTS



CE CONTEXT ELEVATION, PARTIAL SOUTH ELEVATION
SCALE: 3/32" = 1' - 0"

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SAN FRANCISCO, CA & SAN DIEGO, CA

file path: \\ADS11\Design\ADS Drawings\Dink & Dine\Job 53303 (dwg 36984)\5 - permit

Client:
DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

Project:
Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: South Tower Logo
Sheet No: TL.20 12 of 19

REQUIREMENTS FOR ELECTRICAL ILLUMINATION:

PRIMARY ELECTRICAL TO SIGN LOCATIONS TO BE PROVIDED BY OTHERS. A DEDICATED CIRCUIT WITH NO SHARED NEUTRALS AND A GROUND RETURNING TO THE PANEL IS REQUIRED FOR INSTALLATION.

NOTE: THIS PERTAINS TO THE SIGN'S INTERNAL WIRING ONLY, NOT THE PRIMARY WIRING.
ALL TRANSFORMERS/DRIVERS/POWER SUPPLIES SHALL BE (GFI) GROUND FAULT-INTERRUPTED.
ALL SIGNS HAVE: - DEDICATED BRANCH CIRCUIT
- THREE WIRES : LINE, NEUTRAL, & GROUND
- WIRE SIZE : MINIMUM OF 12 GA. THHN COPPER WIRE
ALSO NOTE: GAUGE OF WIRE IS DETERMINED BY THE LENGTH OF RUN & AMPERAGE AS PER NEC ARTICLE 300.
- GROUND WIRE MUST BE CONTINUOUS AND GO FROM THE SIGN TO THE PANELBOARD GROUND BUS.
- VOLTAGE SHOULD READ NO MORE THAN 3 VOLTS BETWEEN GROUND AND NEUTRAL.
- CONDUIT CAN NOT BE USED AS GROUND PATH.
- POWER TO SIGN MUST BE DONE BY A LICENSED ELECTRICIAN OR ELECTRICAL CONTRACTOR.

- 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 sign.
- The location of the Disconnect Switch after installation shall comply with Article 600.6(A)(1) of the National Electrical Code.

E-Note #1: All requirements not in sign company's scope of work must be in place prior to installation.

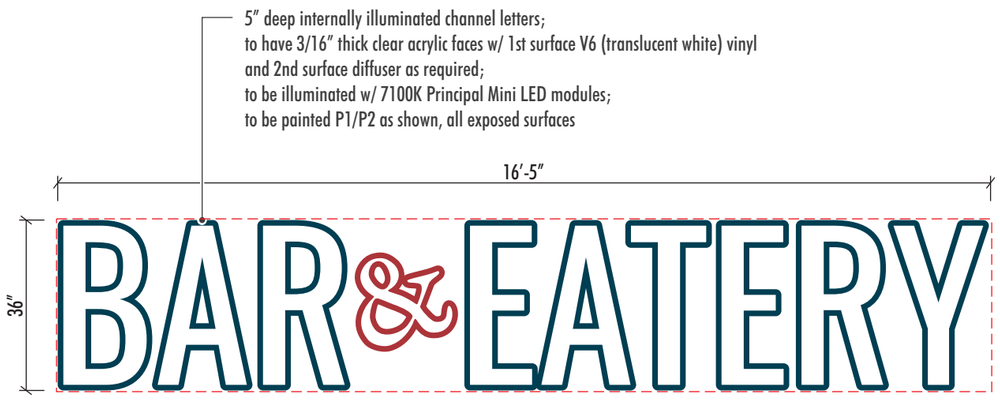
E-Note #2: Electrical to be brought to base of sign (by others) and not in sign company's scope of work.

E-Note #3: Timers and/or photocells for signs to be furnished and installed by the customer's electrician, who should also ensure that the completed electrical system is code compliant.

ALL COMPONENTS TO BE (UL) APPROVED

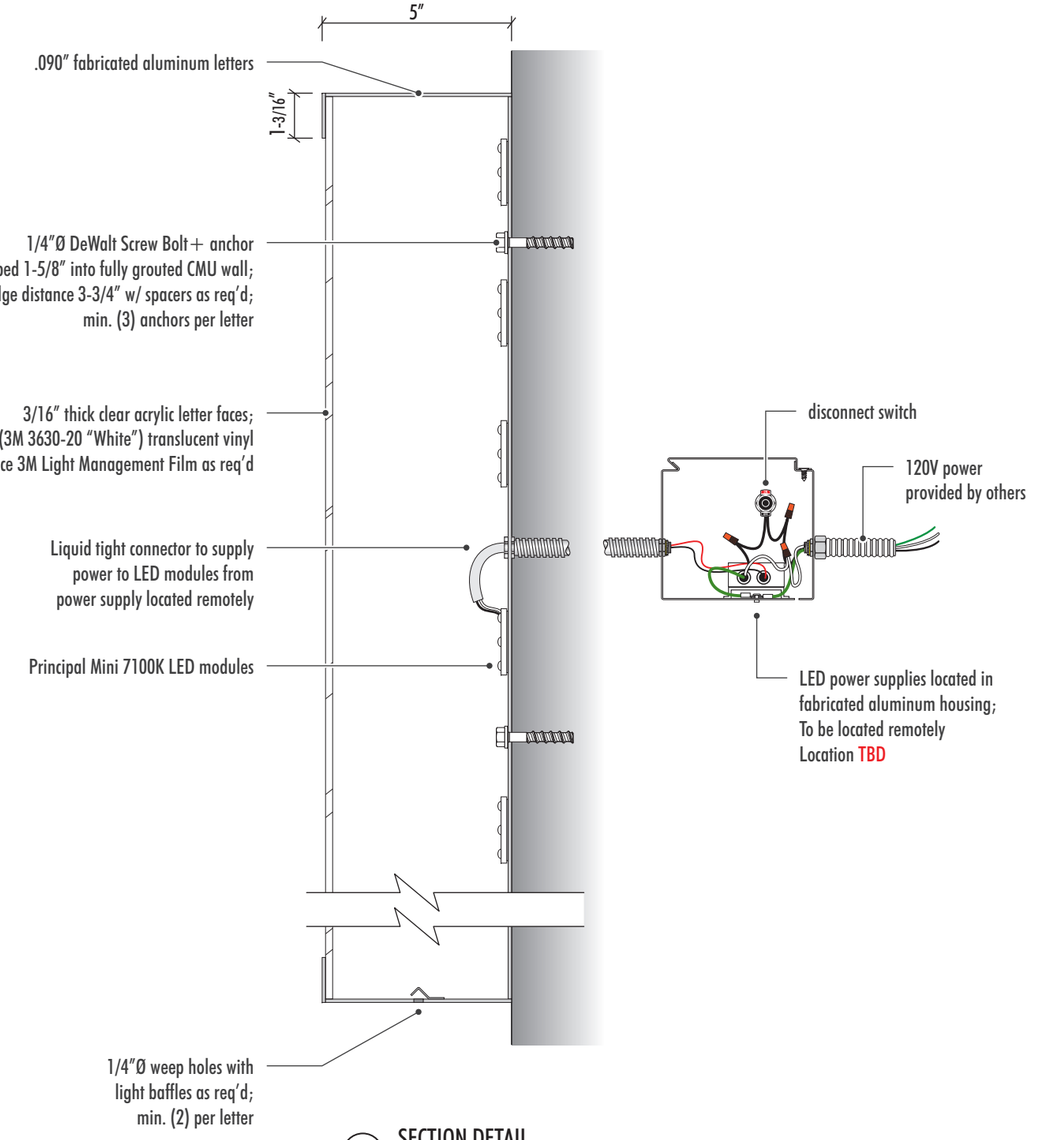
ALL SIGNS TO BE (UL) LISTED

1 Dedicated 20 Amp Circuit at 120 Volts



1 SIGN BE – BAR & EATERY ENTRY CHANNEL LETTERS
SCALE: 3/8" = 1' - 0"

QTY: [01] BE 101
49.3 SQFT APPLICATION # BOA25-00302



2 SECTION DETAIL
SCALE: 3" = 1' - 0"

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Client:
DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

Project:
Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

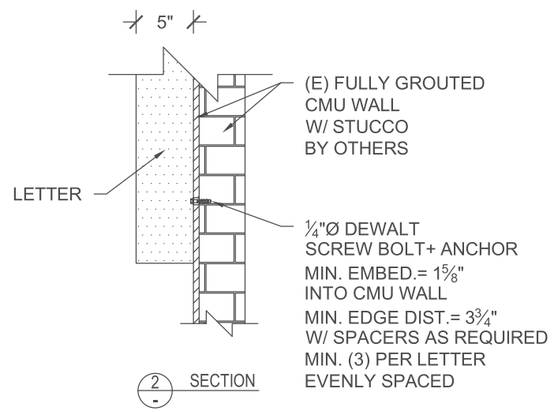
Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: Bar & Eatery Entry
Sheet No: BE.00

SULLAWAY ENGINEERING
12396 WORLD TRADE DRIVE, SUITE 312,
SAN DIEGO, CA 92128
PROJECTMANAGER@SULLAWAYENG.COM
PHONE: 1-858-312-5150 FAX: 1-858-777-3534

PROJECT: DINK & DINE PICKLE PARK, SIGN BE - BAR & EATERY, 1065 N. DOBDSON RD., MESA, AZ
PROJECT #: 48951F
CLIENT: ARCHITECTURAL DESIGN & SIGN
DATE: 12/05/2024
ENGINEER: JC
LAST REVISED:

1 - ELEVATION - MAX OAH FROM GRADE - 20'-0"



2 - SECTION

GENERAL NOTES
1. DESIGN CODE: IBC 2018
2. DESIGN LOADS: ASCE 7-16
3. WIND VELOCITY 105 MPH EXPOSURE C
4. DEWALT SCREW-BOLT+ ANCHORS PER ICC-ESR-4042
5. CMU BLOCK SHALL CONFORM TO CHAPTER 21 OF IBC, ASTM C90, WITH STRENGTH F'M=1500 PSI MIN.
6. GROUT SHALL COMPLY PER IBC SECTION 2103.3
7. MORTAR SHALL COMPLY PER IBC SECTION 2103.2.1 AND MUST BE TYPE M, S OR N
8. PROVIDE PROTECTION AGAINST DISSIMILAR METALS
9. ALL DIMENSIONS TO BE VERIFIED PRIOR TO FABRICATION
10. ALL EXISTING ELEMENTS AND DIMENSIONS TO BE VERIFIED IN FIELD

12-5-2024

SULLAWAY ENGINEERING

PROJECT: DINK & DINE PICKLE PARK
PROJ. NO.: 48951F
CLIENT: ARCHITECTURAL DESIGN & SIGN
DATE: 12/5/2024
ENGINEER: JC

V5.8

units; pounds, feet unless noted otherwise

Applied Wind Loads; from ASCE 7-16

$p_{net}=\lambda\ K_{zt}\ p_{net30}$ (ASCE 30.4-1)

λ=		(ASCE Fig. 30.4-1)				
K_{zt}=	1.0	(unless unusual landscape)				
V=	105		Exposure=	c		
Area=	2.25	ft^2				
max. height=	20.00	ft				
p_{net30}=	19.84	psf			p_{net}=	25.59 psf
p_{net30}=	-26.59	psf			**p_{net}=**	**-34.31 psf**

Check 1/4" Dia. Dewalt Screw Bolt+ into CMU - Min. Embed.=1.625" (ASD):

Pnet=	See Above=	34.31	psf	
Tributary Area=	A_{Trib}=(3'-0")*(1'-8.25")=	5.063	ft^2	
Wind Load=	WL=0.6*Pnet*A_{Trib}=	104	lbs	
Dead Load=	DL=10psf*A_{Trib}=	51	lbs	
#bolts=	=	3	bolts	
Tension per bolt=	Ta=WL/#bolts=	35	lbs	
Shear per bolt=	Va=DL/#bolts=	17	lbs	
Tension capacity=	Tc=	315	lbs	
Shear capacity=	(Per ICC ESR-4042) Vc=	400	lbs	
Combined Check:	Ta/Tc+Va/Vc=	0.15	<1	**ok**

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Client:
DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

Project:
Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

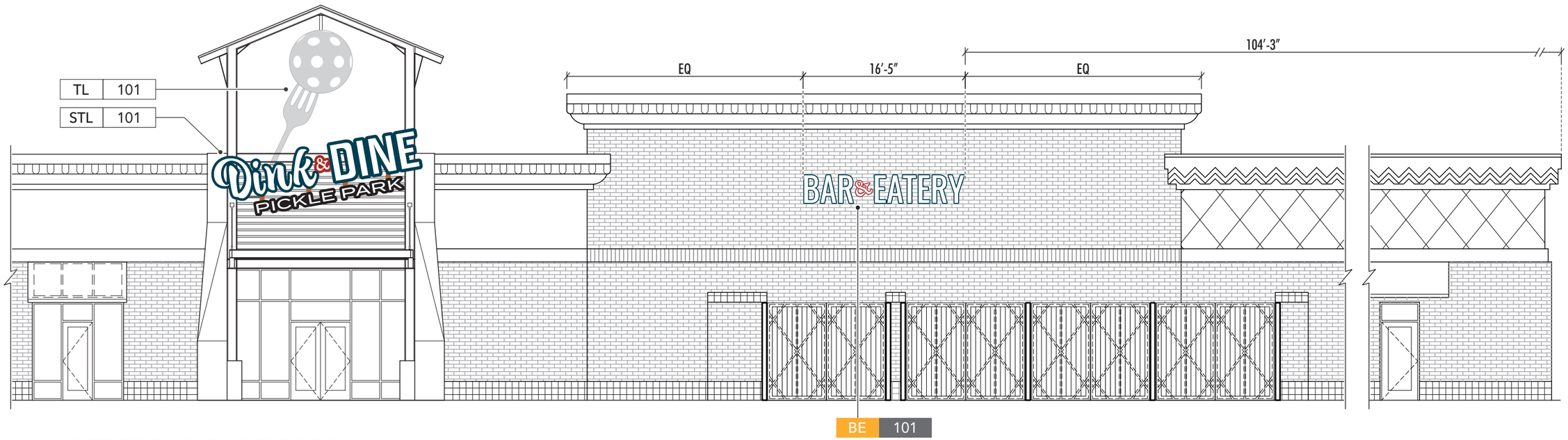
Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: Bar & Eatery Entry - Calcs
Sheet No: BE.10

proposed channel letter location

A PHOTO RENDERING – CURRENT CONDITIONS

SCALE: NTS



CE CONTEXT ELEVATION, PARTIAL SOUTH ELEVATION

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

ARCHITECTURAL DESIGN & SIGNS, INC.
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file path: \\ADS11\Design\ADS Drawings\Dink & Dine\Job 53303 (dwg 36984)\5 - permit

Client:
DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

Project:
Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: Bar & Eatery Entry
Sheet No: BE.20

REQUIREMENTS FOR ELECTRICAL ILLUMINATION:

PRIMARY ELECTRICAL TO SIGN LOCATIONS TO BE PROVIDED BY OTHERS. A DEDICATED CIRCUIT WITH NO SHARED NEUTRALS AND A GROUND RETURNING TO THE PANEL IS REQUIRED FOR INSTALLATION.

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ALL SIGNS HAVE: - DEDICATED BRANCH CIRCUIT
- THREE WIRES : LINE, NEUTRAL, & GROUND
- WIRE SIZE : MINIMUM OF 12 GA. THHN COPPER WIRE
ALSO NOTE: GAUGE OF WIRE IS DETERMINED BY THE LENGTH OF RUN & AMPERAGE AS PER NEC ARTICLE 300.
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- VOLTAGE SHOULD READ NO MORE THAN 3 VOLTS BETWEEN GROUND AND NEUTRAL.
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E-Note #1: All requirements not in sign company's scope of work must be in place prior to installation.

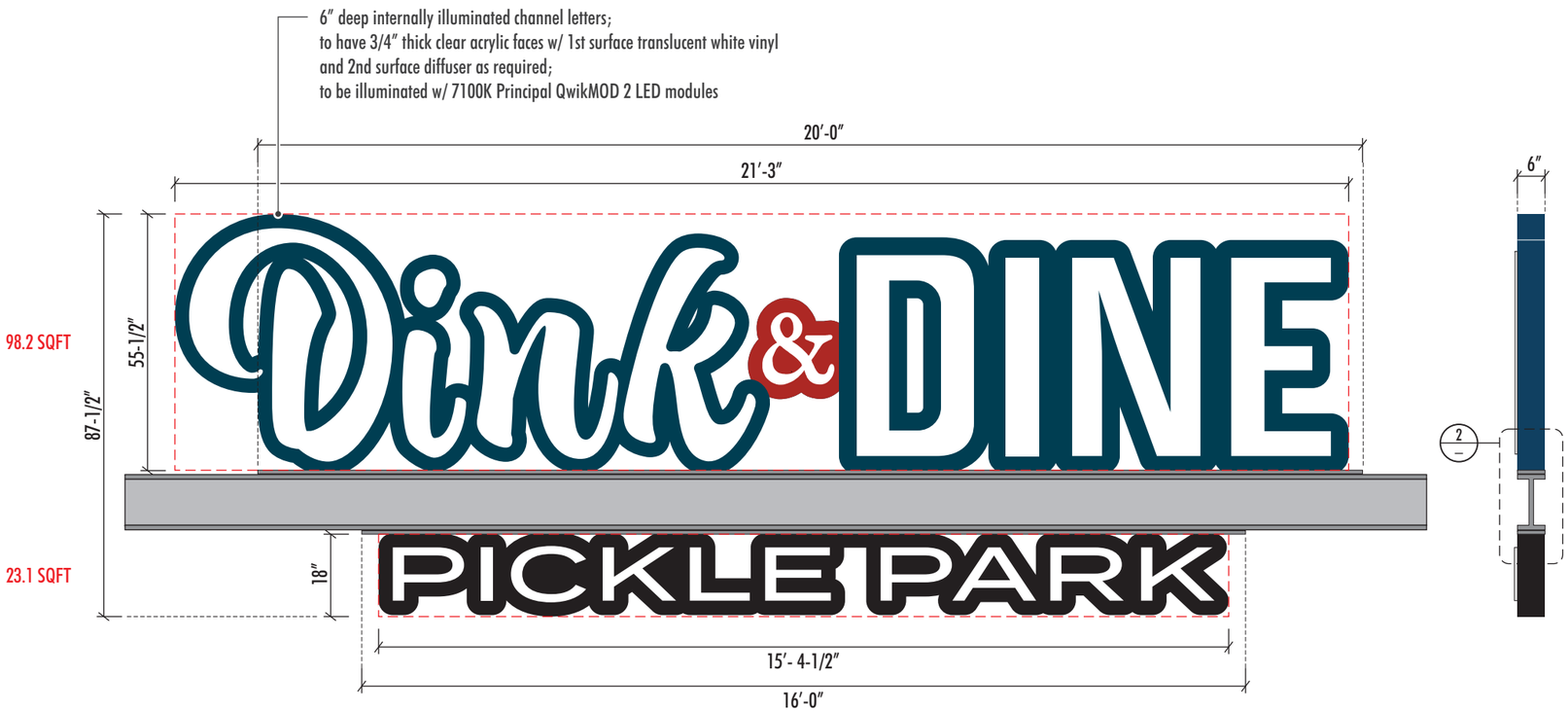
E-Note #2: Electrical to be brought to base of sign (by others) and not in sign company's scope of work.

E-Note #3: Timers and/or photocells for signs to be furnished and installed by the customer's electrician, who should also ensure that the completed electrical system is code compliant.

ALL COMPONENTS TO BE (UL) APPROVED

ALL SIGNS TO BE (UL) LISTED

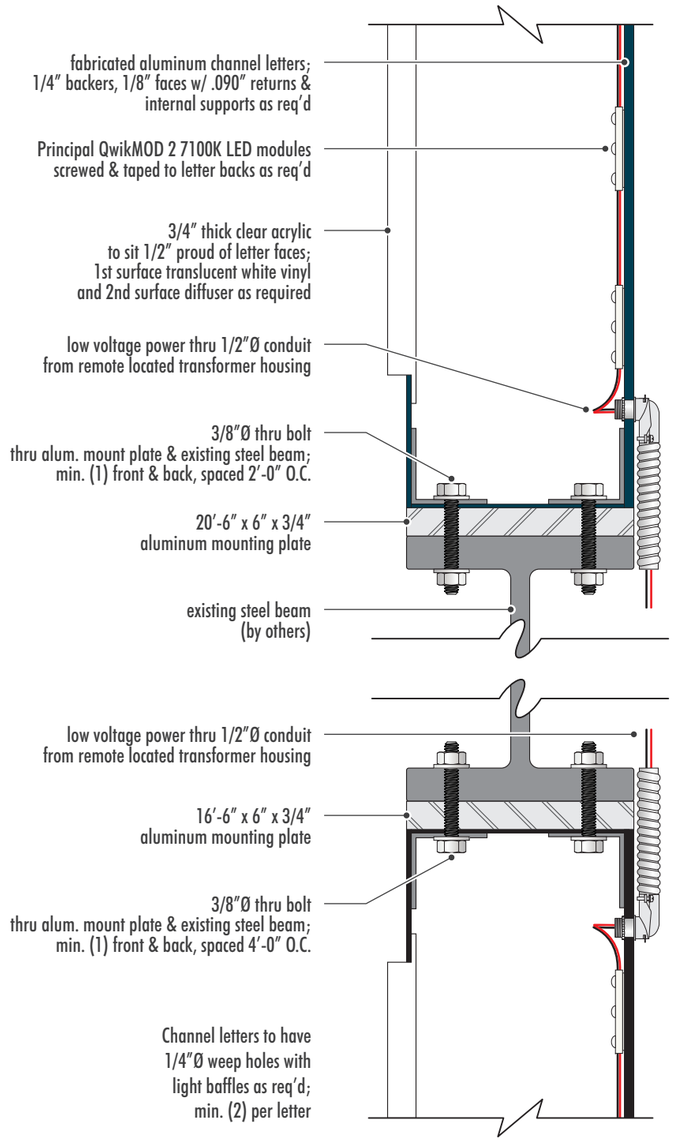
1 Dedicated 20 Amp Circuit at 120 Volts



1 SIGN ETL – DINK & DINE EAST TENANT LOGO
SCALE: 3/8" = 1' - 0"

QTY: [01]
121.3 SQFT

ETL 101
APPLICATION # BOA25-00302



2 SIDE VIEW
SCALE: 3/8" = 1' - 0"

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SAN FRANCISCO, CA & SAN DIEGO, CA

file path: \\ADS11\Design\ADS Drawings\Dink & Dine\Job 53303 (dwg 36984)\5 - permit

Client:
DADPP LLC
1213 Delaware St
Huntington Beach, CA 92648

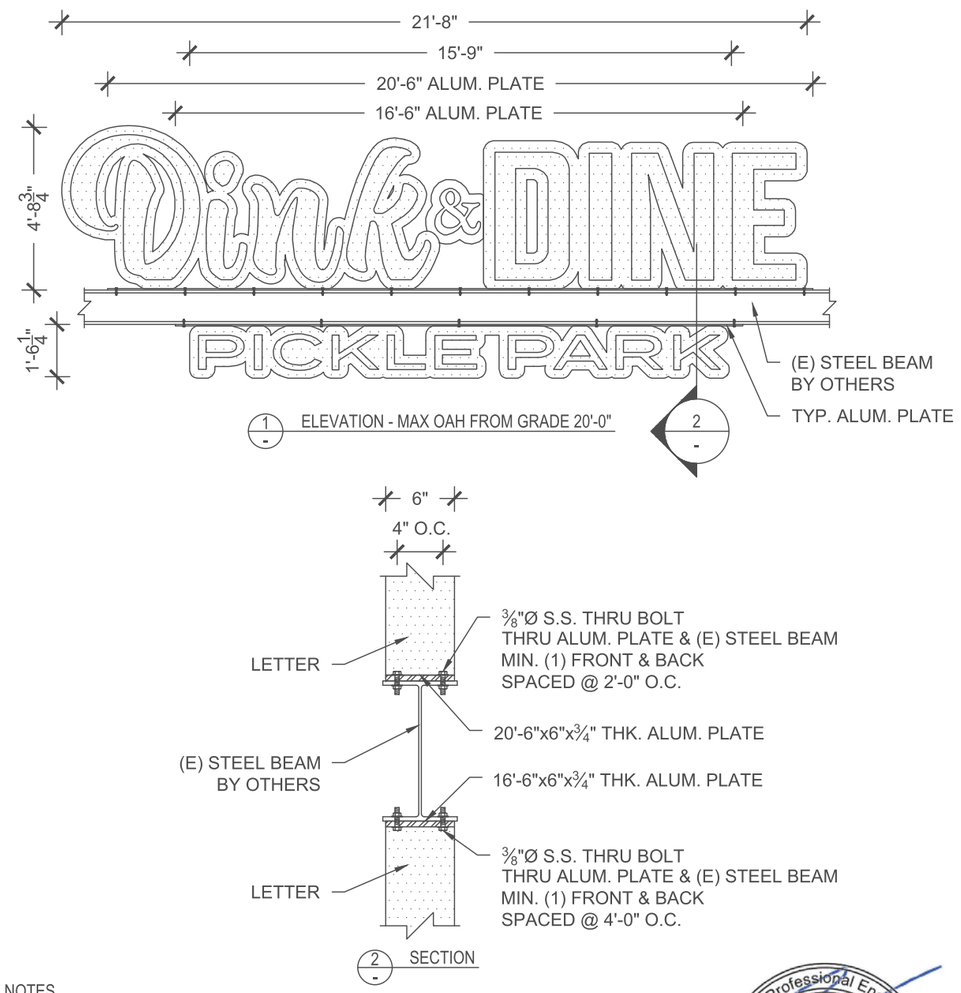
Project:
Dink and Dine
1017 N Dobson Rd & 1065 N Dobson Rd
Mesa, AZ 85201

Sales Order(s): 36984

Drawing No: 36984-R06 (PS)
Date: 02-11-25 BL&KB/RC/RT
Rev. Date: 04-30-25
Sign Type: ETL – East Tenant Logo
Sheet No: ETL.00

SULLAWAY ENGINEERING
12396 WORLD TRADE DRIVE, SUITE 312
SAN DIEGO, CA 92128
PROJECTMANAGER@SULLAWAYENG.COM
PHONE: 1-858-312-5150 FAX: 1-858-777-3534

PROJECT: DINK & DINE PICKLE PARK, SIGN TYPE: ETL EAST TENANT LOGO, 1065 N. DOBDSON RD., MESA, AZ
PROJECT #: 48951A
CLIENT: ARCHITECTURAL DESIGN & SIGN
DATE: 12/05/2024
ENGINEER: JD
LAST REVISED:



GENERAL NOTES
1. DESIGN CODE: IBC 2018
2. DESIGN LOADS: ASCE 7-16
3. WIND VELOCITY 105 MPH EXPOSURE C
4. ALUMINUM ELEMENTS 6061-T6
5. STAINLESS STEEL BOLTS ASTM F593, Fu=65KSI MIN.
6. PROVIDE PROTECTION AGAINST DISSIMILAR METALS
7. ALL DIMENSIONS TO BE VERIFIED PRIOR TO FABRICATION
8. ALL EXISTING ELEMENTS AND DIMENSIONS TO BE VERIFIED IN FIELD

SULLAWAY ENGINEERING

PROJECT: DINK & DINE PICKLE PARK
PROJ. NO.: 48951A
CLIENT: ARCHITECTURAL DESIGN & SIGN
DATE: 12/05/2024
ENGINEER: JD

V5.8

units; pounds, feet unless noted otherwise

Applied Wind Loads; from ASCE 7-16

$p_{net}=\lambda\ K_{zt}\ p_{net30}$ (ASCE 30.4-1)

λ=	1.29	(ASCE Fig. 30.4-1)			
K_{zt}=	1.0	(unless unusual landscape)			
V=	105	mph	Exposure=	C	
Area=	2.06	ft^2			
max. height=	20.00	ft			
p_{net30}=	19.84	psf	p_{net}=	25.59	psf
p_{net30}=	-26.59	psf	**p_{net}=**	**-34.31**	**psf**

Check 0.375" Dia. S.S. Thru bolts F593 - Alum. Plate to (E) I Beam (LRFD): ϕ= 0.75

For Top letters:

Pnet=	See Above=	34.31	psf	
Tributary Area=	A_{Trib}=(2'-0")*(4'-8.75")=	9.458	ft^2	
Wind Load=	WL=Pnet*ATrib=	0.324	kips	
Dead Load=	DL=1.2*10psf*ATrib=	0.114	kips	
arm=	(4'-8.75")/2=	28.375	in	
MWL=	WL*arm=	9.207	k-in	
Spacing=	=	4	in	
Tension due to WL=	TWL=MWL/spacing/1 bolt=	2.302	kips	(Governs)
#bolts=	=	2	bolts	
Tu=	TWL=	2.302	kips	
Vu=	WL/#bolts=	0.162	kips	
dia.=	=	0.375	in	
Abolt=	=	0.110	in^2	
Fnt=	(0.75*65ksi)=	48.75	ksi	
Fnv=	(0.45*65ksi)=	29.25	ksi	
ϕTn=	ϕ*Fnt*Abolt=	4.038	kips	**ok**
ϕVn=	ϕ*Fnv*Abolt=	2.423	kips	**ok**
Combined Check:				
Fv=	Vu/Abolt=	1.469	ksi	
F'nt=	1.3Fnt-Fnt*Fv/ϕFnv≤Fnt=	48.75	ksi	
ϕTn=	ϕ*F'nt*Abolt=	4.038	kips	**ok**

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Sheet No: ETL.10

SULLAWAY ENGINEERING

PROJECT: DINK & DINE PICKLE PARK
PROJ. NO.: 48951A
CLIENT: ARCHITECTURAL DESIGN & SIGN

DATE: 12/05/2024
ENGINEER: JD

V5.8

units; pounds, feet unless noted otherwise

Check 0.375" Dia. S.S. Thru bolts F593 - Alum. Plate to (E) I Beam (LRFD): ϕ= 0.75

For Bottom letters:

Pnet=	(See Page#2)=	34.31	psf		
Tributary Area=	A_{Trib}=(4'-0")*(1'-6.25")=	6.083	ft^2		
Wind Load=	WL=Pnet*ATrib=	0.209	kips		
Dead Load=	DL=1.2*10psf*ATrib=	0.073	kips		
arm=	(1'-6.25")/2=	9.125	in		
MWL=	WL*arm=	1.904	k-in		
Spacing=	=	4	in		
Additional tension due to WL=	TWL=MWL/spacing/1 bolt=	0.476	kips		
#bolts=	=	2	bolts		
Tu=	DL/#bolts+TWL=	0.513	kips		
Vu=	WL/#bolts=	0.104	kips		
dia.=	=	0.375	in		
Abolt=	=	0.110	in^2		
Fnt=	(0.75*65ksi)=	48.75	ksi		
Fnv=	(0.45*65ksi)=	29.25	ksi		
ϕTn=	ϕ*Fnt*Abolt=	4.038	kips	**ok**	
ϕVn=	ϕ*Fnv*Abolt=	2.423	kips	**ok**	
Combined Check:					
Fv=	Vu/Abolt=	0.945	ksi		
F'nt=	1.3Fnt-Fnt*Fv/ϕFnv≤Fnt=	49	ksi		
ϕTn=	ϕ*F'nt*Abolt=	4.038	kips	**ok**	

Check 0.75thk Aluminum Plate (LRFD): f_y = 11 ksi ϕ= 0.9

arm=	1 in	T=11*F_u=	25.319	k	(See Page #2)
b=	22 in	t=	0.750	in	
M at Plate=		T * arm=	25.319	k-in	
S=		bt^2/6=	2.063	in^3	
ϕMn=		1.5*ϕ*fy*S=	30.628	k-in	
Ratio check=		(M at Plate)/(ϕMn)=	0.827	<1	**OK**

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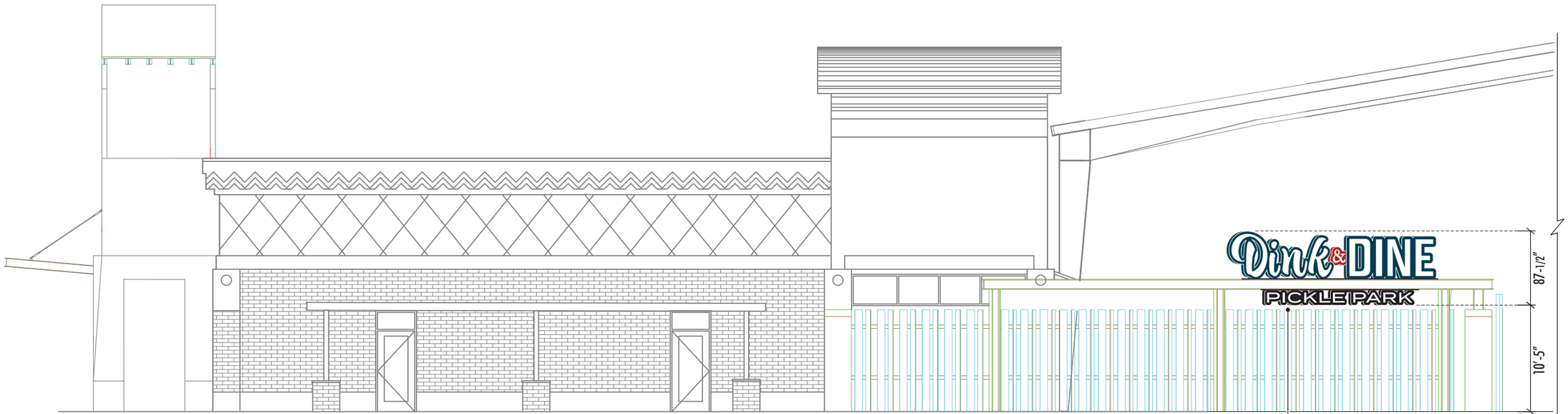
proposed channel letter location
(steel beam support not shown)

A PHOTO – CURRENT CONDITIONS
SCALE: NTS



CE CONTEXT ELEVATION, PARTIAL EAST ELEVATION
SCALE: 3/32" = 1' - 0"

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