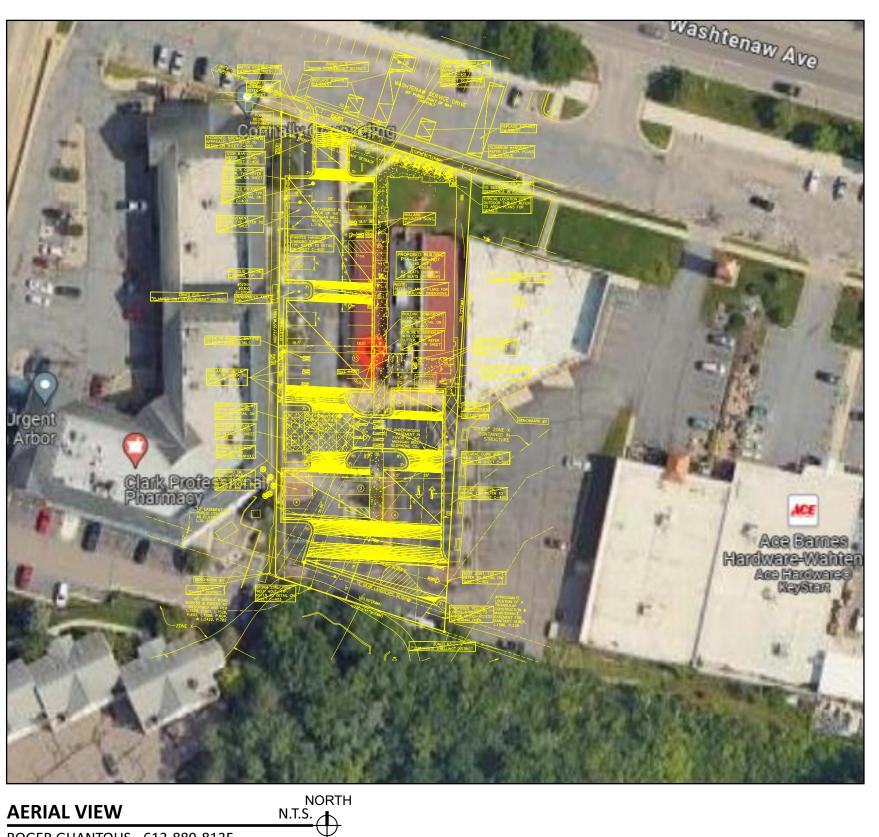


VICINITY MAP

N.T.S.



AERIAL VIEW

ROGER GHANTOUS - 613-889-8135 RGhantous@pattisonid.com BRIAN HEAD - 210-349-3804 BHead@pattisonid.com

Design # 0629178AR7

Sheet 1 of 28

#5391

Address

3310 WASHTENAW AVE, ANN ARBOR, MI

Account Rep. ROGER GHANTOUS BRIAN HEAD

Designer ANGELICA

04/16/2024 Date

Client Sales Estimating

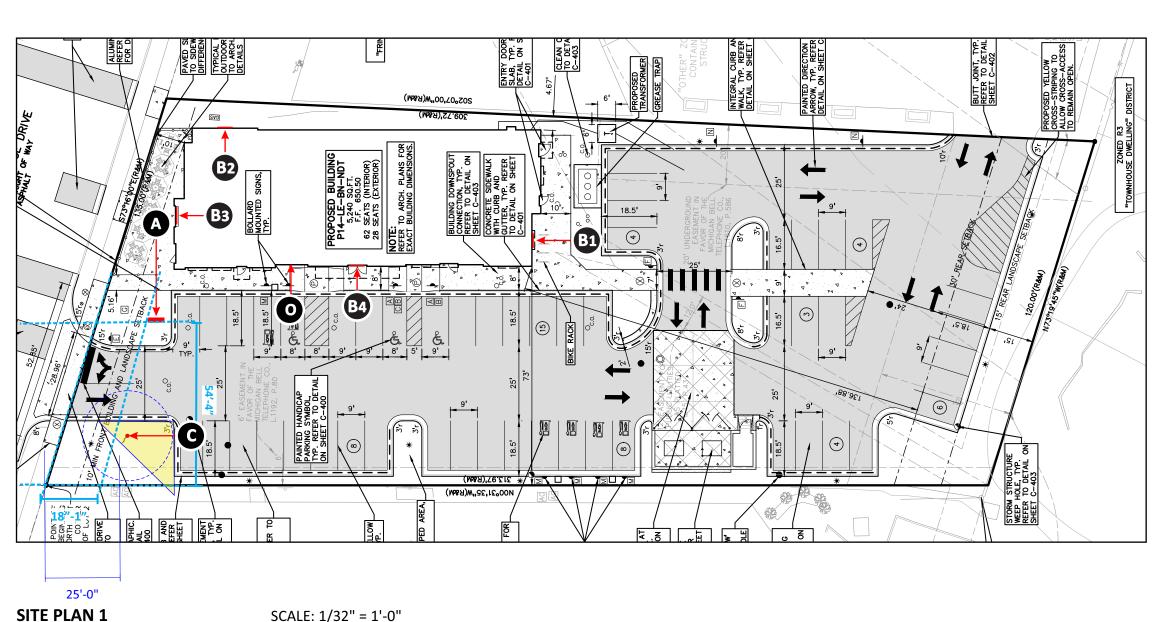
Engineering Landlord

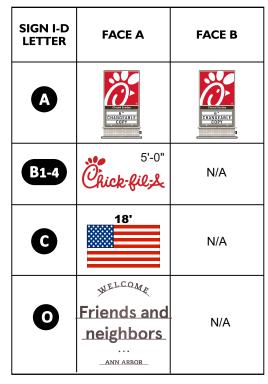


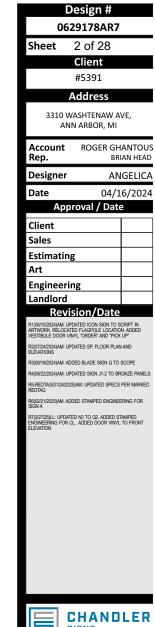
FINAL ELECTRICAL CONNECTION BY CUSTOMER











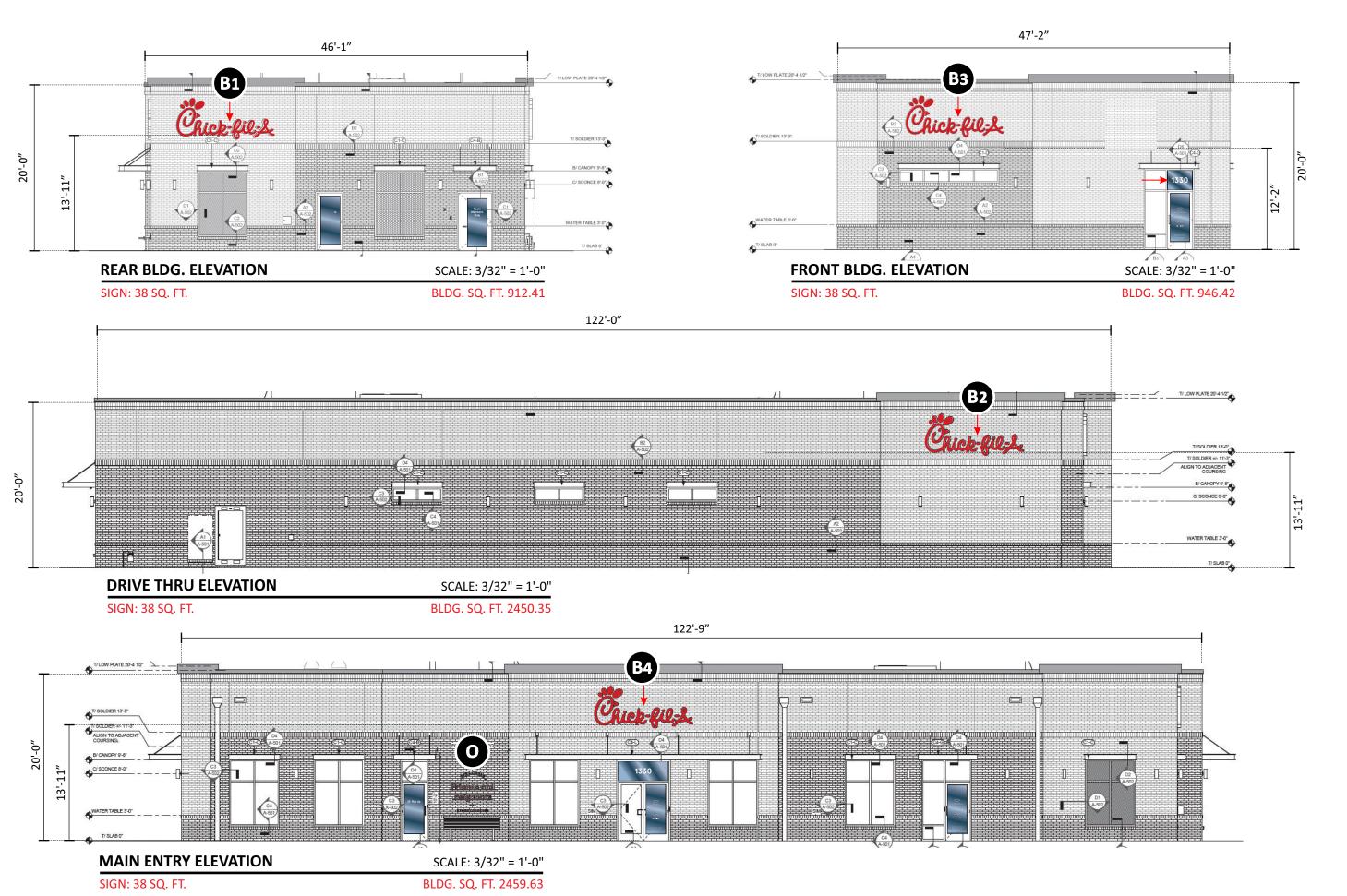


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FINAL ELECTRICAL CONNECTION BY CUSTOMER







Design # 0629178AR7 Sheet 5 of 28 #5391 3310 WASHTENAW AVE, ANN ARBOR, MI Account Rep. ROGER GHANTOUS Designer ANGELICA Date 04/16/2024 Client Sales Estimating Engineering



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San Antonio

San Antonio, TX 78232 (210)349-3804 Fax (210)349-8

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FINAL ELECTRICAL CONNECTION BY CUSTOMER







5'-5" FINS 5'-1 1/2" CABINET 10'-0" O.A.H. 4 1/2" **Closed Sunday** CHANGEABLE 2'-1 1/2" 6 1/4" COPY

D/F MONUMENT SIGN

ONE (1) REQUIRED - MANUFACTURE AND INSTALL

SPECS:

MONUMENT IS EXTRUDED ALUM. FRAME WITHALUMINUM TUBE FRAME BASE. .080" ALUM. CLADDING PAINTED MATTHEWS #20181 EQUUS BRONZE, SATIN.

MAIN ID LOGO FACES

EXTRUDED ALUM. CABINET PAINTED MATTHEWS #74155 DARK BRONZE, SEMI- GLOSS. WHITE BLEED 3M PANOGRAPHIC III FACES WITH 3M #3630-53 CARDINAL RED TRANSLUCENT VINYL APPLIED 1ST SURFACE. TENSION FRAME RETAINER TO BE PAINTED GENESIS M SINGLE STAGE (G2-SERIES) RED #48247. CABINET IS INTERNALLY ILLUMINATED WITH 7100K WHITE LEDS AS REQUIRED.

READER BOARD DISPLAY

.125" ALUM. FACE PAN PANEL WITH ROUTED OUT OPENING FOR READER BOARD AND R.O.S.T. COPY READING "CLOSED SUNDAY", WITH HINGED LOCKABLE F-TRACK VANDAL COVER PAINTED MATTHEWS #20181 EQUUS BRONZE, SATIN CLEAR LEXAN FACE WITH HINGED VANDAL COVER FRAME. INSET 3/16" #7328 WHITE PLEX. TRACK TO ACCOMMODATE THREE (3) LINES OF 6" CHICK-FIL-A COMMERCIAL CHANGEABLE ZIP LETTER SET OF 334. INTERNALLY ILLUMINATED SAME AS ABOVE.

DFW TECHNICAL DESIGNERS, PLEASE NOTE THAT ALL READERBOARD COVERS NEED 2 LOCKS, ONE NEAR THE CORNERS ON THE OUTSIDE OR BOTTOM OF THE DOOR. INCLUDE ONE KICKER BAR PER HINGED FACE. LOCKS TO BE KEYED ALIKE.

FABRICATED BASE FRAME

1" x 1" x .125" ALUMINUM SQ TUBE WITH 1/2" CEMENT BOARD.

FOUNDATION SYSTEM

ONE (1)65/8" O.D. x.280" WALL STEEL SUPPORT ONE (1) 24" x 5'-1" DEEP CONCRETE PIER.

MOWPAD TO BE INCLUDED WITH CONCRETE PIER.

MODULAR BRICK: 2 1/4" x 3 5/8" x 7 5/8"

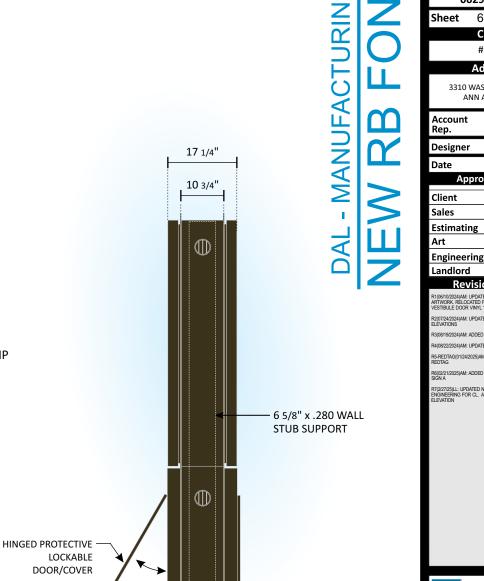
MASONRY / BRICK: BY G.C.

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

46 SQ. FT.

THE MONUMENT BRICK MATERIAL AND DESIGN SHALL MATCH THE BUILDING MATERIAL AND MORTAR FINISH.

PRIMARY ELECTRIC RUN THRU NEC APPROVED WEATHER PROOF CONDUIT - COORDINATE PRIOR TO CONCRETE FOUNDATION / PAD POUR.



BELL BOX

2'-0"

END VIEW

W/ SWITCH



Design # 0629178AR7

#5391

3310 WASHTENAW AVE,

ANN ARBOR, MI

ROGER GHANTOUS

ANGELICA

04/16/2024

Sheet 6 of 28

CONNECTION BY



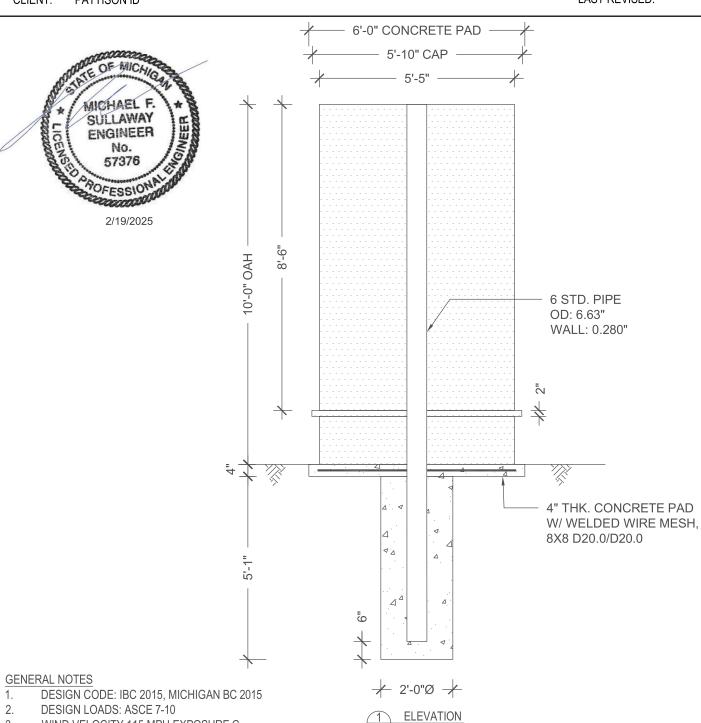




12396 WORLD TRADE DRIVE, SUITE 312, SAN DIEGO, CA 92128 PROJECTMANAGER@SULLAWAYENG.COM

PHONE: 1-858-312-5150 FAX: 1-858-777-3534

PROJECT: CHICK-FIL-A, 3310 WASHTENAW AVE., ANN ARBOR, MI DATE: 02/17/2025
PROJECT #: 50107 ENGINEER: TH
CLIENT: PATTISON ID LAST REVISED:



- 3. WIND VELOCITY 115 MPH EXPOSURE C
- 4. CONCRETE 2500 PSI MINIMUM
- 5. PIPE STEEL ASTM A53 GR. B, $F_Y = 35$ KSI MIN.
- 6. STEEL REINFORCEMENT IN CONCRETE ASTM A615 GR 60
- 7. PROVIDE MIN. 3" CLEAR COVER ON ALL STEEL EMBEDDED IN CONCRETE WHEN CAST AGAINST SOIL
- 8. LATERAL SOIL BEARING PER IBC CLASS 4 (150 PSF/FT)
- 9. PROVIDE PROTECTION AGAINST DISSIMILAR METALS
- 10. ALL DIMENSIONS TO BE VERIFIED PRIOR TO FABRICATION



PROJECT: CHICK-FIL-A DATE: 2/17/2023
PROJ. NO.: 50107 ENGINEER: TH

CLIENT: PATTISON ID

units; pounds, feet unless noted otherwise

Applied Wind Loads; from ASCE 7-10 (LRFD):

Р	$F=q_z*G*C_f*A_f$		with q _z	= 0.00256	$6K_zK_{zt}K_dV^2$		(29.3.2 &	(29.4)				
	C_f =	1.559	(Fig. 29.	.4-1)					r	nax. h	eight= 10.	.33
	K_{zt} =	1.0	(26.8.2) (=	=1.0 unles	s unusual lar	ndscape)						
	$K_z=$	from table	28.3-1			E	cposure=	С				
	$K_d =$	0.85	for signs	s (table 2	26.6-1)							
	V=	115	mph									
	G=	0.85	(26.9)				weight=	0.542	kips			
	s/h=	0.968					M_{DL} =	0.00	k-ft			
	B/s=	0.54										
Pole	structure	height at			pressure			Wind				
Loads	component	section c.g.	K_{z}	q_z	$q_z^*G^*C_f$	A_f	shear	$Moment \; M_W$				
	1	0.17	0.850	24.5	32.42	0.00	0	0	_			
	2	1.00	0.850	24.5	32.42	7.22	234	234				
	3	1.75	0.850	24.5	32.42	0.97	32	55				
	4	6.08	0.850	24.5	32.42	46.04	1493	9080	_			
					sums:	54.24	1758	9.37	(M_w)	k-ft	arm= 5.3	
	for s	/h=1, add 10 ^o	% (asce fig	. 29.4-1):	x 1.10			10.31				
		P _u =	0.65	kip			M=	10.31	k-ft	M=sqr	$t(M_{DL}^2 + M_w^2)$	

Pole Design section; Pipe

 $M_{\text{H}} = \text{sgrt}(1.2M_{\text{DI}}^2 + 1.0M_{\text{W}}^2) = 10.31 \text{ k-ft}$

$M_u \le \phi M_n$ with $M_n = f_y Z$	f _y =	35 ksi	φ=	0.9		
Н	$M_u(k-ft)$	Z req'd. (in)	Size(in)	t (in)	Z	USE
at 4" below grade	10.31	3.93	4	0.237	4.1	6 Std. Pipe, φMn=27.8 k-ft

Footing Design footprint: round

ω= 1.3	IBC 1605.3.2	IBC Table 1806.2, section	ons 1806.3.4, 1807.3.2	S=(1.3x2x150 psf/ft)
P= 1.37	kip	$S1 = S \times d / 3$	$A = 2.34 \times P / (S1$	x b) S= 400
S1= 677		d =0.5xA (1+ (1+4.36	Sx h/A) ^.5)	IBC 1807.3.2.1
A= 2.37				

footing: 2' - 0" dia. 5' - 1" deep

Design #

0629178AR7 Sheet 7 of 28

#5391

Address

3310 WASHTENAW AVE, ANN ARBOR, MI

Account ROGER GHANTOUS

ep. BRIAN HEAD

Designer ANGELICA

Date 04/16/2024

Approval / Date

Client
Sales
Estimating
Art
Engineering

Revision/Date 8/10/2024/AM: UPDATED ICON SIGN TO SCRIPT IN

ARTWORK, RÉLOCATED FLAGPOLE LOCATION, ADDED VESTIBULE DOOR VINYL "ORDER" AND "PICK UP"
R2(0)724/2024/AM: UPDATED SP, FLOOR PLAN AND

Landlord

R3(08/19/2024)AM: ADDED BLADE SIGN Q TO SCOPE
R4(08/22/2024)AM: UPDATED SIGN J1-2 TO BRONZE PANEL
R5-REDTAG(01/24/2025)AM: UPDATED SPECS PER MARKED

IGN A
7(2/27/25)LL: UPDATED N3 TO Q2. ADDED STAMPED



National 14201 Sovereign Road 8 Fort Worth, TX 76155 (214)902-2000 Fax(214)902-2

San Antonio 17319 San Pedro Ave Ste 200 San Antonio, TX 7823:

PO BOX 125 206 Doral D

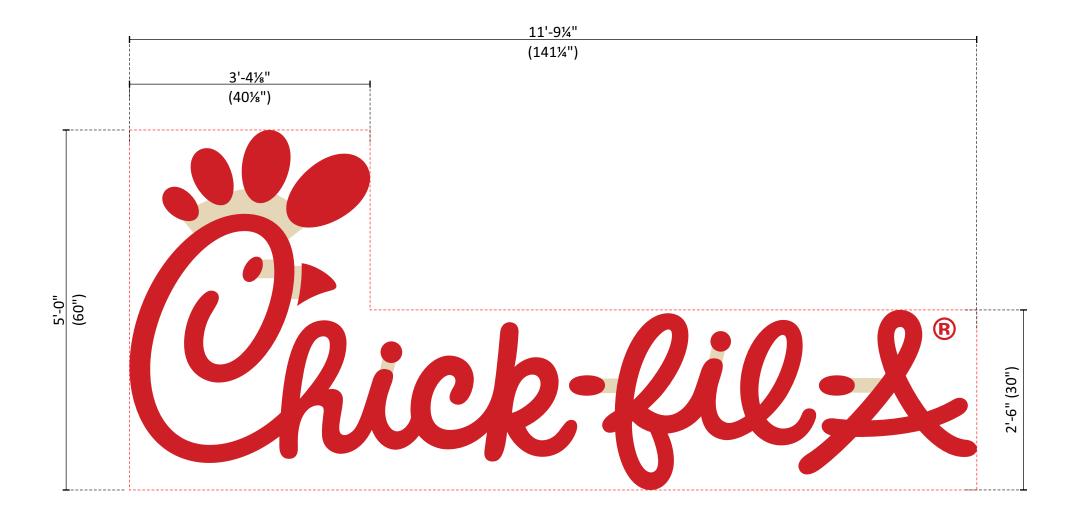
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FINAL ELECTRICAL CONNECTION BY





Α



B1-4 CFA - PCL 5-0
FOUR (4) REQUIRED - MANUFACTURE AND INSTALL

SCALE: 3/4" = 1'-0"

LIVE AREA: 38 SQ. FT. OVERALL AREA: 59 SQ. FT.

SEE SECTION DETAIL

DAL - MANUFACTURING NEW CFALOGO

Design #
0629178AR7
Sheet 8 of 28

#5391

#5391

3310 WASHTENAW AVE, ANN ARBOR, MI

Account ROGER GHANTOUS Rep. BRIAN HEAD

Designer ANGELICA

Date 04/16/2024

9 04/16/202 Approval / Date

Approval / Date

Client

Sales

Estimating

Engineering Landlord

Landlord
Revision/Date

1(06/10/2024)AM: UPDATED ICON SIGN TO SCRIPT RTWORK, RELOCATED FLAGPOLE LOCATION, ADD ESTIBULE DOOR VINYL "ORDER" AND "PICK UP"

R2(07/24/2024)AM: UPDATED SP, FLOOR PLAN AND ELEVATIONS R3(08/19/2024)AM: ADDED BLADE SIGN Q TO SCOPI

R4(08/22/2024)AM: UPDATED SIGN J1-2 TO BRONZE PAN R5-REDTAG(01/24/2025)AM: UPDATED SPECS PER MARI REDTAG

R7(2/27/25)LL: UPDATED N3 TO Q2. ADDED STAMPED



National 14201 Sovereign Roa Headquarters Fort Worth, TX 76155 (214)902-2000 Fax(214)90

San Antonio St

nio Ste 200 San Antonio, TX 78232 (210)349-3804 Fax (210)349-8

South Texas

PO BOX 125 206 Doral Drive Portland, TX 78374 (361) 563-5599 Fax (361) 643-6533

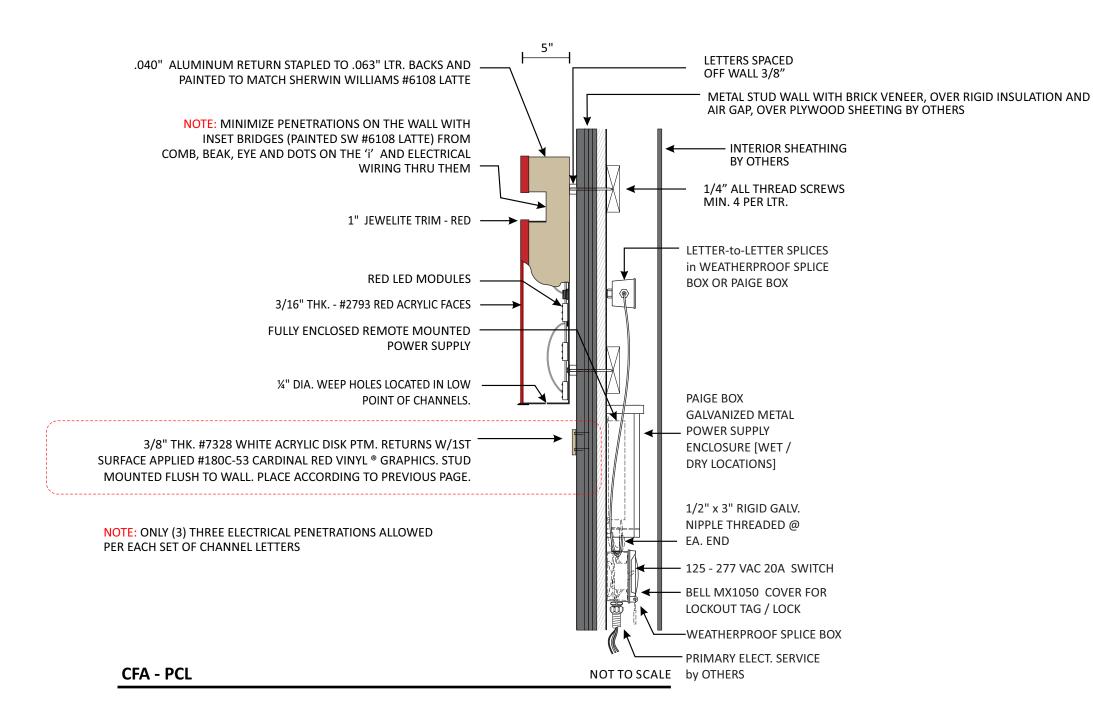
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FINAL ELECTRICAL CONNECTION BY CUSTOMER





B1-4



Design # 0629178AR7

Sheet 9 of 28

Client

#5391

Address 3310 WASHTENAW AVE,

ANN ARBOR, MI ROGER GHANTOUS

Designer ANGELICA

Account

Date 04/16/2024

Client	
Sales	
Estimating	
Art	
Engineering	
Landlord	

Revision/Date

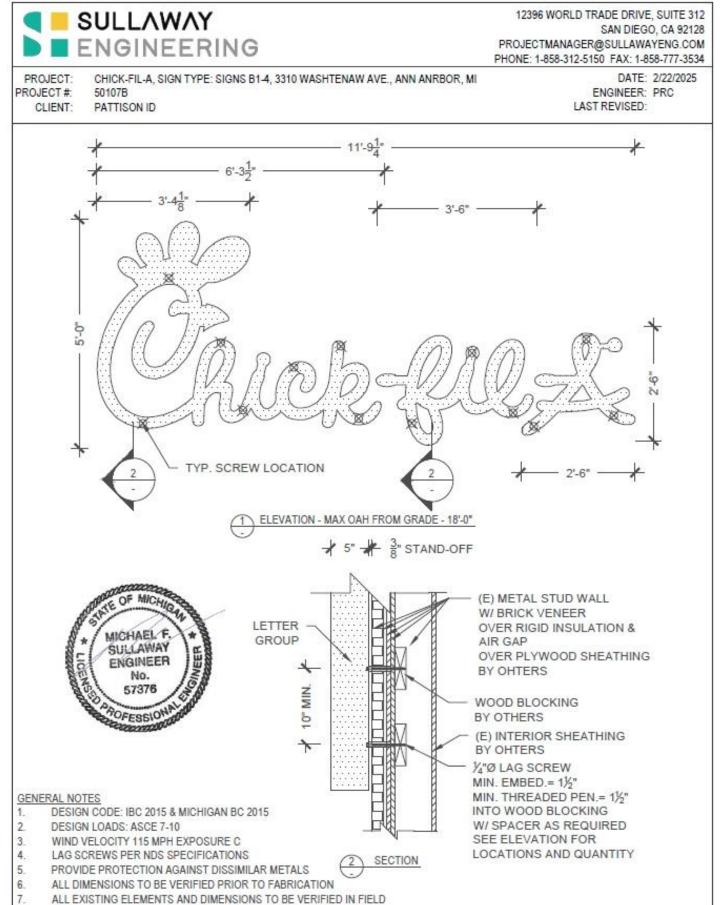


CONNECTION BY CUSTOMER





Page 1 of 3



SULLAWAY
ENGINEERING

PROJECT: CHICK-FIL-A DATE: 2/22/2025
PROJ. NO.: 50107B ENGINEER: PRC

CLIENT: PATTISON ID

units; pounds, feet unless noted otherwise

Applied Wind Loads; from ASCE 7-10

$p_{net}=\lambda K_{zt} p_{net}$	30		(ASCE 30	0.5-1)				
λ=	1.21	(ASCE Fig. 30.5-1)						
K _{zt} =	1.0	(unless unusual landscape)						
V=	115	mph	Exposure=	C				
Area=	6.25	ft ²						
max. height=	18.00	ft						
P _{net30} =	23.80	psf			p _{net} =	28.80	psf	
P _{net30} =	-31.90	psf			p _{net} =	-38.60	psf	

Loads on 0.25" Dia. Lag Screws - Letter Group to Wall (LRFD):

Pnet=	See Above=	38.60 psf
Trib. Area for Letter Group "Chick"=	A _{Trib} =(Area from Auto CAD)=	8.817 ft ²
Wind Load=	WL=Pnet*ATrib=	340 lbs
Dead Load=	DL=1.2*10psf*ATrib=	106 lbs
arm=	(5")/2+(0.375")=	2.875 in
MDL=	DL*arm=	304 lbs-in
Spacing=	=	10 in
Additional tension due to DL=	TDL=MDL/spacing/2screws=	15 lbs
#screws=	;=:	7 screws
dia.=	= = = = = = = = = = = = = = = = = = = =	0.250 in
Tension per screw=	Tu=WL/#screws+TDL=	64 lbs (Governs)
Shear per screw=	Vu=DL/#screws=	15 lbs (Governs)

Loads on 0.25" Dia. Lag Screws - Letter Group to Wall (LRFD):

Pnet=	See Above=	38.60 psf	
Trib. Area for Letter Group "Fil"=	A _{Trib} =(Area from Auto CAD)=	3.586 ft ²	
Wind Load=	WL=Pnet*ATrib=	138 lbs	
Dead Load=	DL=1.2*10psf*ATrib=	43 lbs	
arm=	(5")/2+(0.375")=	2.875 in	
MDL=	DL*arm=	124 lbs-in	
Spacing=	宣言	10 in	
Additional tension due to DL=	TDL=MDL/spacing/1screw=	12 lbs	
#screws=	=	3 screws	
dia.=	=	0.250 in	
Tension per screw=	Tu=WL/#screws+TDL=	59 lbs	
Shear per screw=	Vu=DL/#screws=	14 lbs	

Design # 0629178AR7

Sheet 10 of 28 Client

#5391 Address

3310 WASHTENAW AVE, ANN ARBOR, MI

Account ROGER GHANTOUS Rep. BRIAN HEAD

Designer ANGELICA

Date 04/16/2024

Approval / Date

Approval / Date				
lient				
ales				
stimating				
rt				
ngineering				

Revision/Date

ARTWORK, RÉLOCATED FLAGPOLE LOCATION, ADD VESTIBULE DOOR VINYL "ORDER" AND "PICK UP" R2(07)242024)AM: UPDATED SP, FLOOR PLAN AND ELD (24)2003

R3(08/19/2024)AM: ADDED BLADE SIGN Q TO SCOPE
R4(08/22/2024)AM: UPDATED SIGN J1-2 TO BRONZE PANELS
R5-RFDTAG(01/24/2025)AM: UPDATED SPECS PER MARKED

SIGN A

PROPERTY OF THE PROPER

R7(2/27/25)LL: UPDATED N3 TO Q2. ADDED STAMPED ENGINEERING FOR CL. ADDED DOOR VINYL TO FRONT ELEVATION



National 14201 Sovereign Road #1 Headquarters Fort Worth, TX 76155 (214)902-2000 Fax(214)902-204

17319 San Pedro Ave Ste 200 San Antonio, TX 78232

PO BOX 125 206 South Texas Portland, TX 783

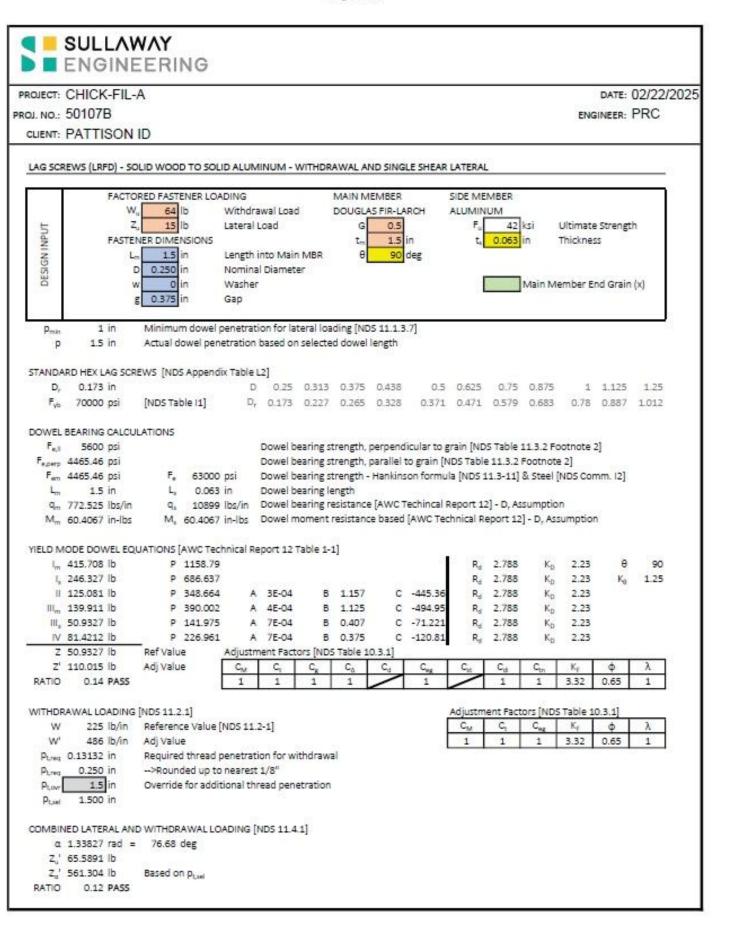
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B1-4



Design # 0629178AR7

Sheet 11 of 28

#5391

Address

3310 WASHTENAW AVE, ANN ARBOR, MI

Account ROGER GHANTOUS

Designer ANGELICA

Date 04/16/2024

Approval / Date

Client Sales Estimating Art Engineering

Revision/Date

R2(07/24/2024)AM: UPDATED SP, FLOOR PLAN AND

Landlord

3(08/19/2024)AM: ADDED BLADE SIGN Q TO SCOPE 08/22/2024)AM: UPDATED SIGN J1-2 TO BRONZE PANELS REDTAG(01/24/2025)AM: UPDATED SPECS PER MARKED



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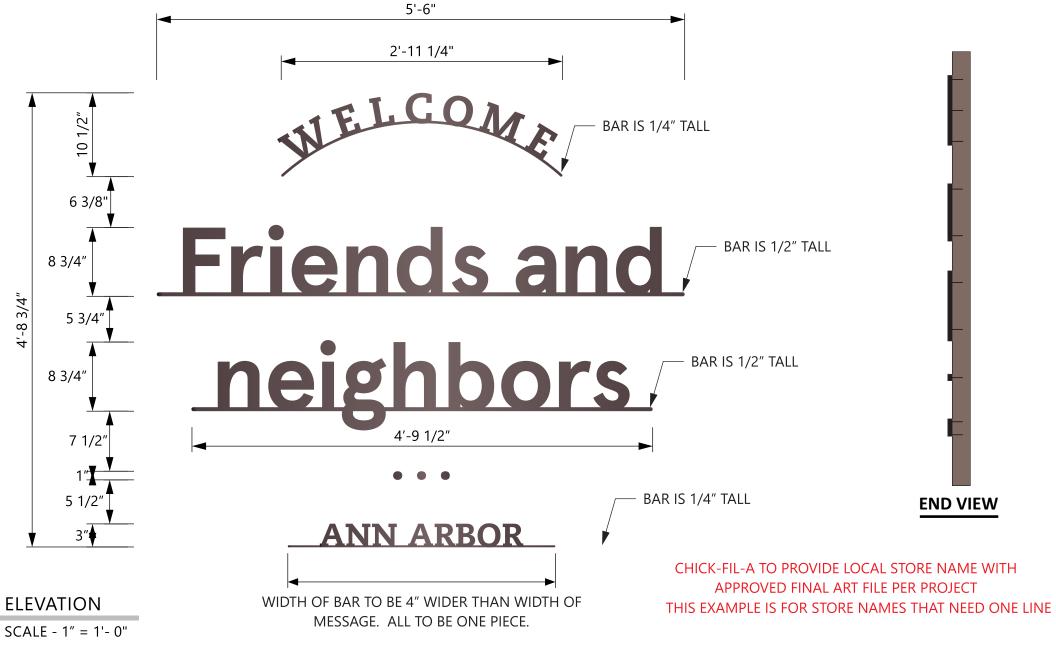


COLORS

MATTHEWS PAINT **EQUUS BRONZE METALLIC** MP20181



EXAMPLE-NOT TO SCALE





SCALE: 1" = 1'-0"

ONE (1) REQUIRED - MANUFACTURE AND INSTALL

SPECIFICATIONS

.5" THK. ALUM. F.C.O'S PAINTED MATTHEWS #20181 EQUUS BRONZE METALLIC PIN MOUNTED FLUSH TO WALL.

0629178AR7 **Sheet** 24 of 28 #5391 3310 WASHTENAW AVE, ANN ARBOR, MI ROGER GHANTOUS Account Designer Date Client Sales Estimating Engineering

ANGELICA

04/16/2024





