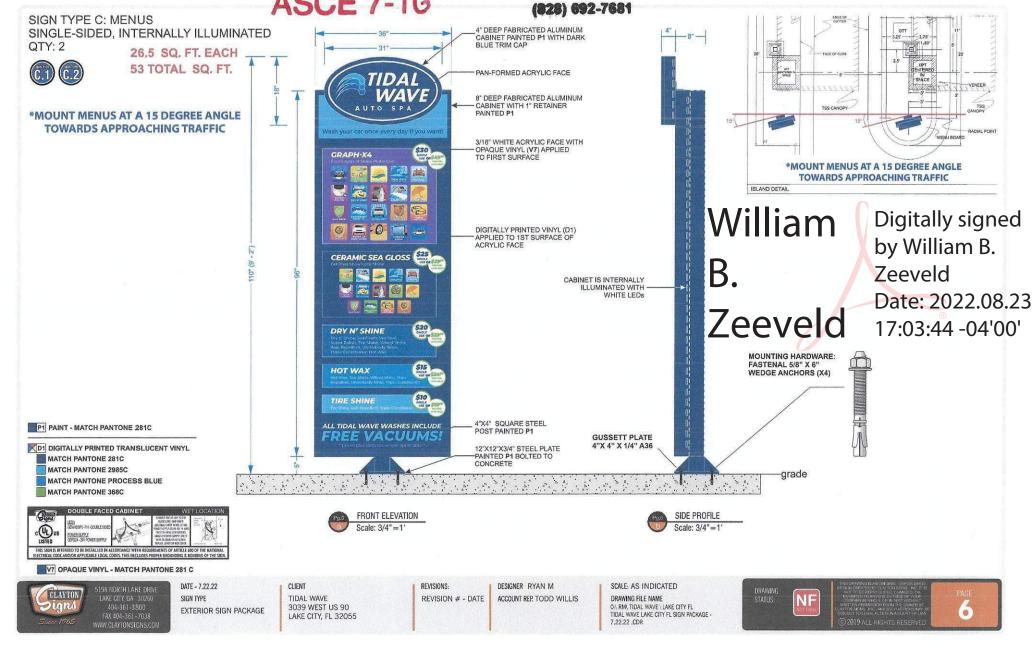
COMPLIES WITH: 2020 FBC 7 ED. ASCE 7-16

William B. Zeeveld, PE FL. Lic. #61169 P.O. Box 2241 Roswell, GA 30077-2241



ADDITIONAL SITE SIGNAGE
TIDAL WAVE AUTO SPA
3039 WEST US 90

LAKE CITY, FL 32055

FACE-LIT CHANNEL LETTERS 51B

CHANNELLETTER WIND AREA, 25% OPEN = (15/2)(150)(.75) = 14.1 PTZ

LETTER SET + RECEWAY = 7200# (EST.)

LETTERS AFFINED TO RECEWAY AT FROMKATION SHOP OK

RACEWAY AFFINED TO WALL USING 6 PAIRS 30 42 EMBED RECHETOLDT ANCHORS

HORIE WIND PRESSURE (Compression) = 14.1 (45) = 635 # SINCE SIGN AREA REPLACES

WALL AREA, THERE IS NO INCREMENT OF WALL PRESSURE DUE TO WIND, OK

HORIZ. WIND PRESSURE (SUPPON) = 14.1 (100) = 1410# TEDSION ON 12-310 LDTS (RED)

ALLOW-TEDSION (12-310/2"(DT.) = 12(373) = 4476# > 1410# RED'D. OK

VERTICAL LONDAT WINL = 7200# SHEAR ON 12-310 LDTS (RED'D. OK

ALLOW, SHEAR (12-310/LDT.) = 12(759) = 9108# > 7200# RED'D. OK

SIGNTYPE CAR WASH MENU STC.i, C.Z WIND PRESSURE = 45 #/FTZ SIGN: 36"WX 819"H = 26.25 F72 WT = 300 (EST) BENDIMT, AT TOP OF CONCRETE = 26.25(45)(6.0) = 7088 FT# (RED'D.) SIGN POLE: HSS SQ. STEEL 4"X4"X4"WALL, A36, SEC. MOD = 3.90 in3 AUDW. BEND. MT. = 36000×3.90/12 = 11700 FT#> 7088 FT# REDID. OK BASE RATE: 12 x 12 x 3 , A 36 , SEC. MED. = 12(35) = 1.125 in3 GUSSET RAYES (4): 4 " x 4: 13 , A36, SEC. MOD (3) = 2[-375 (4-6)] = 2,000 in ALLOW BEND, MT. = 36000 x 3.125 = 9375 FT# > 7088 FT# REND. OF ANCHOR BOOK 1 4-3" TX6" EMBED WEDGE ANCHORS @ 8" C-TOG.) 4000 7/12 CONCRETE TENSION = 7088/9/2 = 10632 # ON Z ANCHORS (REND.) 11812/2 = 5906 # /ANCHOR ALLOW, TENSION/ANCHOR = 8705 (37) = 6702 */ANCHOR > 5316 * RED'D. OF WIND PRESSURE = 26.25 (45) = 1182 = SHEAR ON 4-344 ANCHORS (REGIO.) ALLOW. SHEAR/ANGUR = 23760 (.61) = 14493#/ANCHOR TOTAL ALLOW. SHEAR (4-3" ANCHORS) = 4(14093) = 57972" > 1182* REA'D. OK

SIGN TYPE D DUMPSTER DOOR PANELS.

COMPLIES WITH: 2020 FBC 7 ED. ASCE 7-16

William B. Zeeveld, PE
FL. Lic. #61169
P.O. Box 2241
Roswell, GA 30077-2241
[828] 692-7681

William

Digitally signed by William B. Zeeveld Date:

2022.08.23

17:04:21 -04'00'

COMPLIES WITH: 2020 FBC 7 ED. ASCE 7-16

William B. Zeeveld, PE William B. EL. Lic. #61169

SIGN TYPE F: DIRECTIONAL POST & PANEL SIGNS

P.O. Box 2241

P.O. Box 2241 Roswell, GA 30077-2241 Zeeveld (828) 692-7681

MESSAGE SCHEDULE

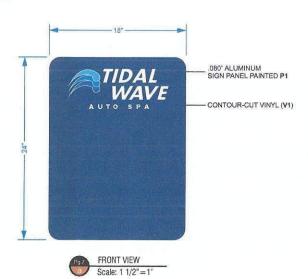
Digitally signed by William B. Zeeveld

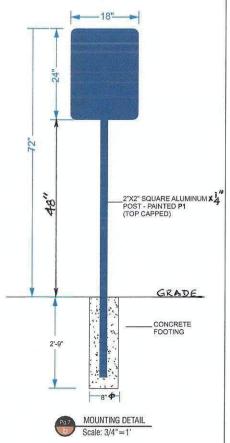
Date: 2022.08.23 17:14:08 -04'00'

SIGN TYPE F: DIRECTIONAL POST & PANEL SIGNS QTY: 6

E

3 SQ. FT. EACH 18 TOTAL SQ. FT.

















P1 PAINT - MATCH PANTONE 281C

V1 VINYL - AVERY 700-101-0 WHITE



DATE - 7.22.22 SIGN TYPE EXTERIOR SIGN PACKAGE CLIENT TIDAL WAVE 3039 WEST US 90 LAKE CITY, FL 32055 REVISIONS: REVISION # - DATE DESIGNER RYAN M
ACCOUNT REP. TODD WILLIS

SCALE: AS INDICATED
DRAWING FILE NAME
OA RIM TIDAL WAVE \ LAKE CITY FL
TIDAL WAVE LAKE CITY FL SIGN PACKAGE 7.22.22. COR



THE DEVIATION IN AN OPENING, DISTRIBUTION DESCEND FROM THE INCAPTOR SHOWS IN IN. IT IS NOT THE REPRODUCED CHANGED IN A PROPERTY OF THE PROPERT



ADDITIONAL SITE SIGNAGE TIDAL WAVE AUTO SPA 3039 WEST US 90 LAKE CITY, FL 32055

ENTRANCE DIRECTIONAL SIGN

SIGNTYPE E 36" OAH ENTRANCE Z POSTS SIGN: 24" WX 18" h AREA = 3.0 FT 2

WIND PRESSURE = 45 /F12

WT = 20# (EST)

BEND. MT. NT GRADE = 3,0(45)(2.5) = 338 FT* ON 2 POSTS.

BEND. MT/post = 338/2 = 169 FT /post (REGEL)

POST: ALUM. THEE 2"X 2"x 4" WALL, SECMOD = .747 103

ALLEW . BEND MF = 15000 × 172 = 933 FT > 169 FT REED OK

AUGERED CONTRETE FOOTING: BO + LE DEEP / POST

CONCERTE FOOTING UP = 17 (42) (15)(15) = 176=

DIRECT BURGAL. CONCRETE = 3000 /112

Soil RESIST. PRESSURE = W(Le) (1.5) (200) = 942 OVERTURNING RESISTING (DI.DT.) = (176 + 4) (4/2) = 93 FT

OVSETULNIAG RESIST. MT. (Soic) = (942)(1.5/3) = A71 FT"

TOTAL = 564 FT > 169 FT REGO. OK

DIRECTIONAL SIGNS STELL, F.2, F.3, F.4, F.5, F.6.

WIND PRESSUE = 45 PAZ

Cancelle 2 3000 */m2

SIGN TYPE F. 72" OAH DIRECTIONAL - IPOST

Sign: 18 bx 24 h AREA = 3.0 FT2

BEND. M. AT GENE = 3.0(5.0x(45)=675 FT (REdD)

Post: Acom Tune 2424 wall, Sec. Moo. = . 747 in3

ALLOW BEND ME = 15000 x 12 = 933 FT > 675 FT READ. OK

ANGERED CONCRETE FROME: 8" × 219" DEEP

CONCRETE FOOTING 407. = 11 (-67) (2.75)(150) = 144#

Sou Rossy, Parsonne = 1 (.67) (2.75) (200) = 1152#

OVERTHEMINE RESIST BY (DILLY) = (144+20)(-61) = 51 FTF

Overturence Reserve Mr (2016) = (1152)(2756) = 1056 FT

Torac= 1107 FT 7 675FT REED. OF

MARKETING SIGNS

STG

Williar

B.

Digitally signed by William B. Zeeveld

Date:

2020 FBC 7 ED.

ASCE 7-1G

William B. Zeeveld, PE FL. Lic. #61169

P.O. Box 2241

Roswell, GA 30077-2241 Zeeveld

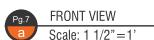
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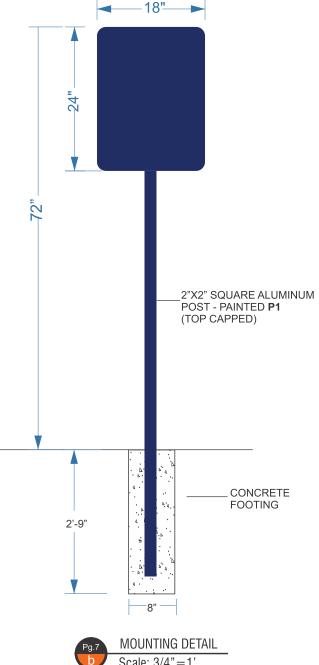
SIGN TYPE F: DIRECTIONAL POST & PANEL SIGNS QTY: 6

F SIGN TYPE

3 SQ. FT. EACH 18 TOTAL SQ. FT.









SIGN TYPE F: DIRECTIONAL POST & PANEL SIGNS MESSAGE SCHEDULE

























SINGLE FACED

P1 PAINT - MATCH PANTONE 281C

V1 VINYL - AVERY 700-101-0 WHITE



5198 NORTH LAKE DRIVE LAKE CITY, GA 30260 404-361-3800 FAX 404-361-7038 WWW.CLAYTONSIGNS.COM DATE - 7.22.22 SIGN TYPE EXTERIOR SIGN PACKAGE CLIENT TIDAL WAVE 3039 WEST US 90 LAKE CITY, FL 32055 REVISIONS: REVISION # - DATE DESIGNER RYAN M ACCOUNT REP. TODD WILLIS SCALE: AS INDICATED DRAWING FILE NAME

0:\ RM\ TIDAL WAVE \ LAKE CITY FL TIDAL WAVE LAKE CITY FL SIGN PACKAGE -7.22.22 .CDR





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COMPLIES WITH: 2020 FBC 7-16 ASCE 7-16

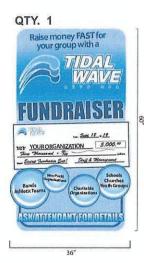
William B. Zeeveld, PE FL. Lic. #61169 P.O. Box 2241 Roswell, GA 30077-2241 (828) 692-7681

SIGN TYPE G: MARKETING SIGNS / DIGITAL PRINT ON 3/8" FLUTED PLASTIC ON SPRING FRAME OTY: 1 EACH













Double Sided

36"

Double Sided

Double Sided

Double Sided

QTY. 2

74.75"



PORTABLE SPRING INTERNAL ADVERTISING SIGNS



GATE ARM SIGNS AT CAR WASH ENTRANCE



DATE - 7.22.22 SIGN TYPE EXTERIOR SIGN PACKAGE CLIENT
TIDAL WAVE
3039 WEST US 90
LAKE CITY, FL 32055

REVISIONS: REVISION # - DATE DESIGNER RYAN M
ACCOUNT REP. TODD WILLIS

SCALE: AS INDICATED

DRAWING FILE NAME

OA RM TIDAL WAVE LAKE CITY FL

TIDAL WAVE LAKE CITY FL SIGN PACKAGE 7,22,22, CDR

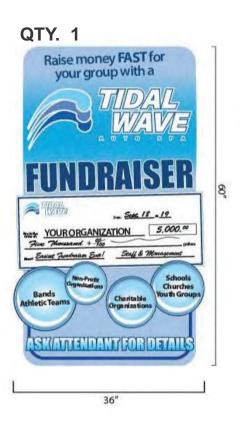


SIGN TYPE G: MARKETING SIGNS / DIGITAL PRINT ON 3/8" FLUTED PLASTIC ON SPRING FRAME QTY: 1 EACH













Double Sided

Double Sided

Double Sided

Double Sided



PORTABLE SPRING INTERNAL ADVERTISING SIGNS



GATE ARM SIGNS AT CAR WASH ENTRANCE



DATE - 7.22.22 SIGN TYPE EXTERIOR SIGN PACKAGE CLIENT
TIDAL WAVE
3039 WEST US 90
LAKE CITY, FL 32055

REVISIONS: REVISION # - DATE DESIGNER RYAN M

ACCOUNT REP. TODD WILLIS

SCALE: AS INDICATED

DRAWING FILE NAME

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TIDAL WAVE LAKE CITY FL SIGN PACKAGE 7.22.22 .CDR



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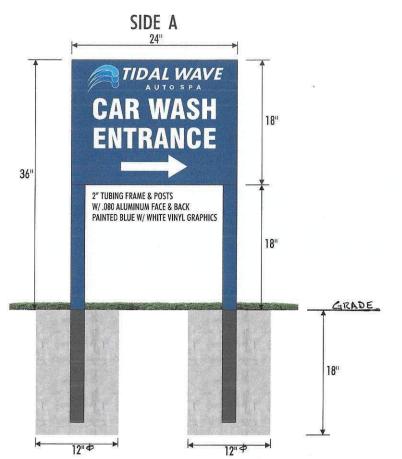
COMPLIES WITH: 2020 FBC 7 ED. ASCE 7-16

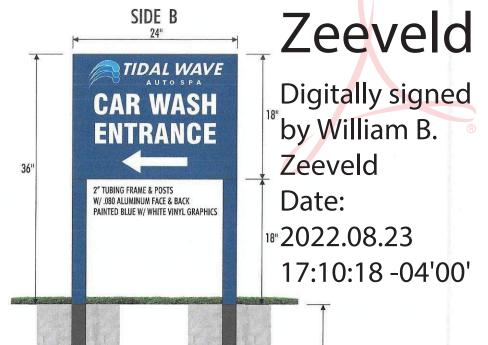
William B. Zeeveld, PE William
FL Lic. #61169 P.O. Box 2241 Roswell, GA 30077-2241

(828) 692-7681

SIGN TYPE E: DOUBLE FACED ENTRANCE SIGN QTY: 1 3 SQ. FT. EACH









DATE - 7.22.22 SIGN TYPE EXTERIOR SIGN PACKAGE CLIENT TIDAL WAVE 3039 WEST US 90 LAKE CITY, FL 32055 REVISIONS: REVISION # - DATE DESIGNER RYAN M ACCOUNT REP. TODD WILLIS

SCALE: AS INDICATED DRAWING FILE NAME 0:\ RM\ TIDAL WAVE \ LAKE CITY FL TIDAL WAVE LAKE CITY FL SIGN PACKAGE -7,22,22 .CDR

12" ¢



12"#



18"



ZEEVELD TECHNICAL SERVICES, INC.

ADDITIONAL SITE SIGNAGE TIDAL WAVE AUTO SPA 3039 WEST US 90 LAKE CITY, FL 32055

ENTRANCE DIRECTIONAL SIGN

SIGNTYPE E 36" OAH ENTRANCE ZPOSTS NIND PRESSURE = 45 1 FE SIGN: 24" WX 18" h AREA = 3.0 172 WT = 20 (EST)

BEND. MT. AT GRADE = 3,0 (45)(2.5) = 338 FT ON 2 POSTS.

BEND MT/post = 338/2 = 169 FT /POST (REGIA)

POST: ALUM. THEE 2"X 2"x 4" WALL, SELMON = .747 103

ALLew BEND MF = 15000× 72 = 933 FT > 169 FT REED OF

AUGERED CONTRETE FOOTUNG: POT X FU DEEP / POST

COAXETE FOOTHER LET = 17 (4) (1.5)(150) = 176"

Soil RESIST. PRESSURE = W(Le) (1.5) (200) = 942

OVERTURNING RESISTING (DINOTI) = (176 14) (4/2) = 93 FT OVSETBENIES RESIST. MT. (So.c) = (942)(1.5/3) = A71 FT

TOTAL = 564 FT > 169 FT RECTO. OK

DIRECTIONAL SIGNS STELL, F.2, F.3, F.4, F.5, F.6. WIND PROSERES 45 1972

Cancerer 2 3000 */m2

FIRELT BURNE.

Concrete = 3000 /112

SIGN TYPE F. 72" OAH DIRECTIONAL - IPPOST

SIGH: 18" bx 24" h AREA = 3,0 FT2

BEND. M. AT GENE = 3.0(50)(45)=675 AT (REED)

Post: hum Tone with war , Sec. mo. = . 347 in3

ALLOW BOOD ME - 15000 x 12 = 933 1 = 2675 FF RESEN. OK

AMERICO CONCERTE FROME: 8" × 214" DEEP

Concrete Footing 407 = 1 (-4) (2.75)(150) = 144#

Sou Roug. Pressure = \$ (.67) (2.75) (20) = 1192#

OVERTHERING RESIST BY (DLEWY) = (144+26) (-41) = 51 FT

Over putneme Person Mr (soc) = (1152)(2150) = 1056 F1

Torac= 1107 FT 7 675FT REED. OF

MARKETING SIGNS

STG

Williar

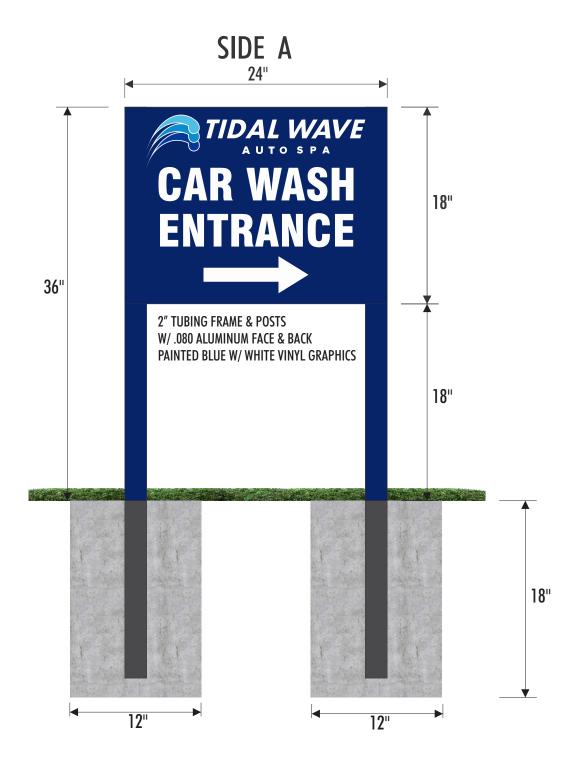
2020 FBC 7 E **ASCE 7-16**

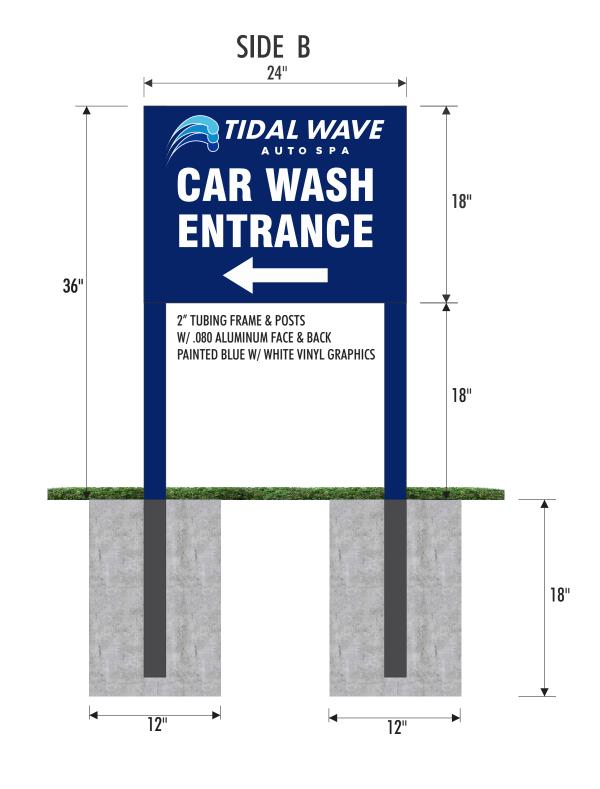
William B. Zeeveld. PE FL. Lic. #61169 В. P.O. Box 2241 Roswell, GA 30077-2241 (828) 692-7681

Digitally signed by William B. Zeeveld Date:

2022.08.23 Zeeveld 17:10:55 -04'00'









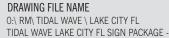
DATE - 7.22.22 SIGN TYPE EXTERIOR SIGN PACKAGE CLIENT
TIDAL WAVE
3039 WEST US 90
LAKE CITY, FL 32055

REVISIONS: REVISION # - DATE DESIGNER RYAN M

ACCOUNT REP. TODD WILLIS

SCALE: AS INDICATED

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