

COMPLIES WITH:  
2020 FBC 7 ED.  
ASCE 7-10

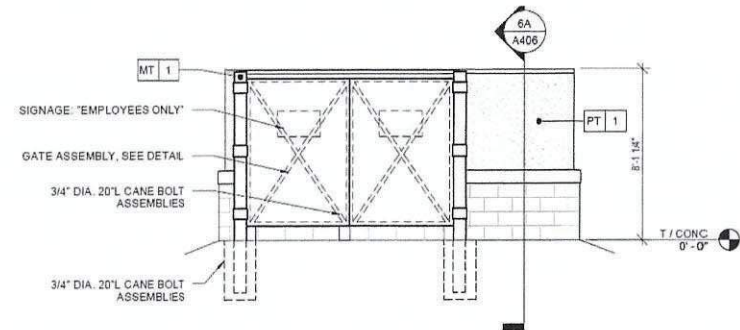
SIGN TYPE D: PAINTED PANELS W/ GRAPHICS  
FOR DUMPSTER GATE  
QTY: 1 **31 TOTAL SQ. FT.**



52" X 38" = 13.7 SQ. FT.

54" X 46" = 17.25 SQ. FT.

VERIFY DUMPSTER DOOR FRAME  
DIMENSIONS WITH G.C. PRIOR  
TO PRODUCTION



9D REVERSE TRASH - REAR  
A406 1/4" = 1'-0"

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

William B.  
Zeeveld

Digitally signed by  
William B. Zeeveld  
Date: 2022.08.23  
17:06:41 -04'00'



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  
01\_RM\_TIDAL WAVE \ LAKE CITY FL  
TIDAL WAVE LAKE CITY FL SIGN PACKAGE -  
7.22.22.CDR

DRAWING  
STATUS:



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PAGE  
7

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QTY: 1

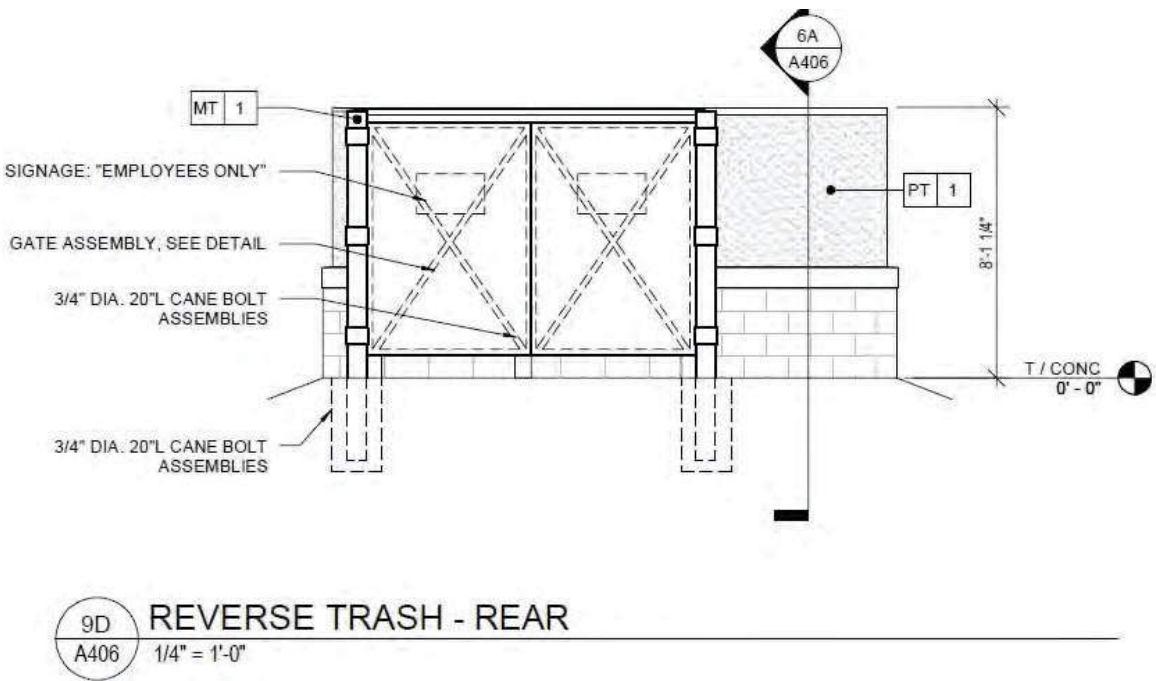
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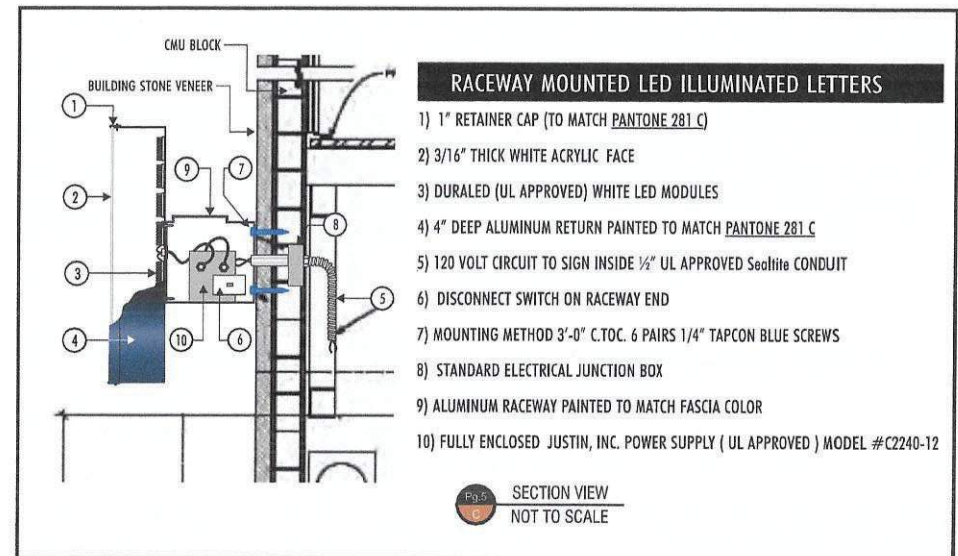
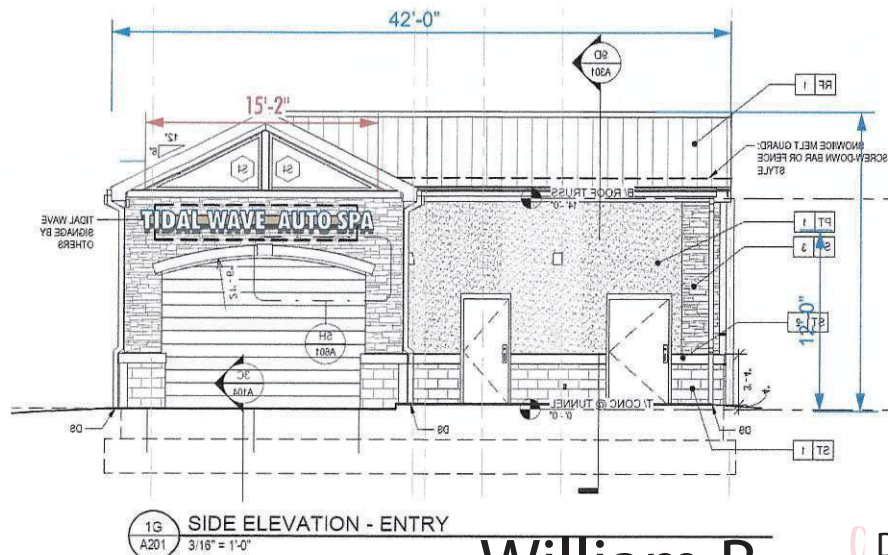
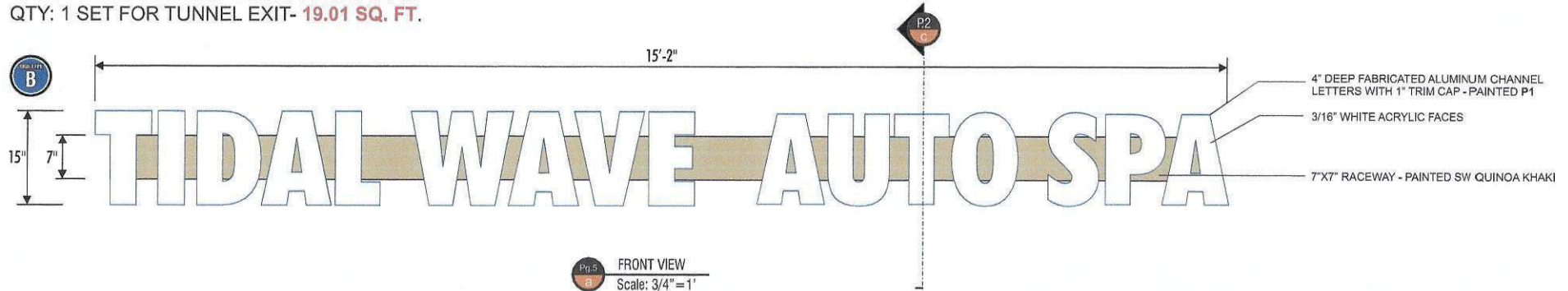


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SIGN TYPE B: FACE-LIT CHANNEL LETTERS  
QTY: 1 SET FOR TUNNEL EXIT- **19.01 SQ. FT.**



**P1 PAINT - MATCH PANTONE 281 C (GLOSS FINISH)**  
**P2 PAINT - MATCH BUILDING FACADE (GLOSS FINISH)**

William B.  
Zeeveld

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William B. Zeeveld  
Date: 2022.08.23 16:58:54  
-04'00'

 <p>198 NORTH LAKE DRIVE LAKE CITY, GA 30260 404-361-3800 FAX 404-361-7038 WWW.CLAYTONSIGNS.COM</p>	<p>DATE - 7.22.22</p> <p>SIGN TYPE EXTERIOR SIGN PACKAGE</p>	<p>CLIENT TIDAL WAVE 3039 WEST US 90 LAKE CITY, FL 32055</p>	<p>REVISIONS: REVISION # - DATE</p>	<p>DESIGNER RYAN M ACCOUNT REP TODD WILLIS</p>	<p>SCALE: AS INDICATED</p> <p>DRAWING FILE NAME 04 RM TIDAL WAVE / LAKE CITY FL TIDAL WAVE LAKE CITY FL SIGN PACKAGE - 7.22.22.CDR</p>	<p>DRAWING STATUS: <b>NF</b> NOT FINAL</p> <p><small>THIS DRAWING IS AN ORIGINAL. UNPUBLISHED DESIGN CREATED BY CLAYTON SIGNS, INC. IT IS NOT TO BE REPRODUCED, CHANGED, OR OTHERWISE USED IN ANY MANNER WITHOUT WRITTEN PERMISSION FROM THE OWNER OF CLAYTON SIGNS, INC. ANY SUCH ACTIONS MAY BE SUBJECT TO LEGAL ACTION IN VIOLATION OF LAW.</small></p> <p>© 2019 ALL RIGHTS RESERVED</p>	<p>PAGE <b>5</b></p>
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ADDITIONAL SITE SIGNAGE  
TIDAL WAVE AUTO SPA  
3039 WEST US 90  
LAKE CITY, FL 32055

2/3

## FACE-LIT CHANNEL LETTERS SIGN

SIGN TYPE

CHANNEL LETTER WIND AREA, 25% OPEN =  $(15 \frac{1}{2})(15.0)(.75) = 14.1 \text{ FT}^2$  WIND PRESSURE = 45 #/FT<sup>2</sup>, Suction = 100 #/FT<sup>2</sup>

LETTER SET + RACEWAY = 200# (EST.)

LETTERS AFFIXED TO RACEWAY AT FABRICATION SHOP OK

RACEWAY AFFIXED TO WALL USING 6 PAIRS 3"  $\phi$  X 2" EMBED REDHEAD LDT ANCHORS (OR EQUAL)

HORIZ. WIND PRESSURE (COMPRESSION) = 14.1 (45) = 635 # SINCE SIGN AREA REPLACES WALL AREA, THERE IS NO INCREASE OF WALL PRESSURE DUE TO WIND. OK

HORIZ. WIND PRESSURE (SUCTION) = 14.1 (100) = 1410 # TENSION ON 12-3"  $\phi$  LDTs (REQ'D.)

ALLOW. TENSION (12-3"  $\phi$  X 2" LDT) = 12(373) = 4476 # > 1410 # REQ'D. OK

VERTICAL LOAD AT WALL = 200# = SHEAR ON 12-3"  $\phi$  LDTs (REQ'D.)

ALLOW. SHEAR (12-3"  $\phi$  LDT) = 12(759) = 9108 # > 200# REQ'D. OK

## CAR WASH MENU

SIGN TYPE

STC-1, C-2

WIND PRESSURE = 45 #/FT<sup>2</sup>

SIGN: 36" W X 84" H = 26.25 FT<sup>2</sup>

WT. = 300# (EST.)

BEND. MT. AT TOP OF CONCRETE = 26.25 (45) (6.0) = 7088 FT# (REQ'D.)

SIGN POLE: HSS SQ. STEEL 4" X 4" X 1/4" WALL, A36, SEC. MOD. = 3.90 in<sup>3</sup>

ALLOW. BEND. MT. = 36000 X 3.90 / 12 = 11700 FT# > 7088 FT# REQ'D. OK

BASE RAIL: 12" X 12" X 3/4", A36, SEC. MOD. = 12.15 in<sup>3</sup>

GUSSET PLATES (4): 4" X 4" X 3/8", A36, SEC. MOD. (2) = 2 [ 375 (4.6) ] = 2,000 in<sup>3</sup> } 3.125 in<sup>3</sup>

ALLOW. BEND. MT. = 36000 X 3.125 / 12 = 9375 FT# > 7088 FT# REQ'D. OK

ANCHOR BOLTS: 4-3"  $\phi$  X 6" EMBED WEDGE ANCHORS @ 8" C.T.C., 4000 #/in<sup>2</sup> CONCRETE

TENSION = 7088 / 1/2 = 10632 # ON 2 ANCHORS (REQ'D.) 11812 / 2 = 5906 # / ANCHOR

ALLOW. TENSION / ANCHOR = 8705 (.77) = 6702 # / ANCHOR > 5906 # REQ'D. OK

WIND PRESSURE = 26.25 (45) = 1182 # = SHEAR ON 4-3"  $\phi$  ANCHORS (REQ'D.)

ALLOW. SHEAR / ANCHOR = 23760 (.61) = 14493 # / ANCHOR

TOTAL ALLOW. SHEAR (4-3"  $\phi$  ANCHORS) = 4(14493) = 57972 # > 1182 # REQ'D. OK

SIGN TYPE D DUMPSTER DOOR PANELS.

OK AS DRAWN

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

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