

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

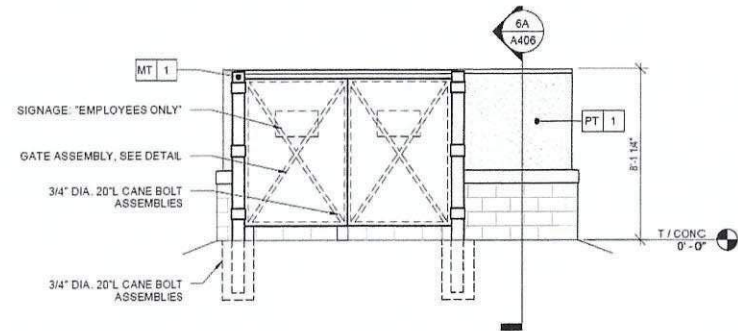
SIGN TYPE D: PAINTED PANELS W/ GRAPHICS
FOR DUMPSTER GATE
QTY: 1
31 TOTAL SQ. FT.



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

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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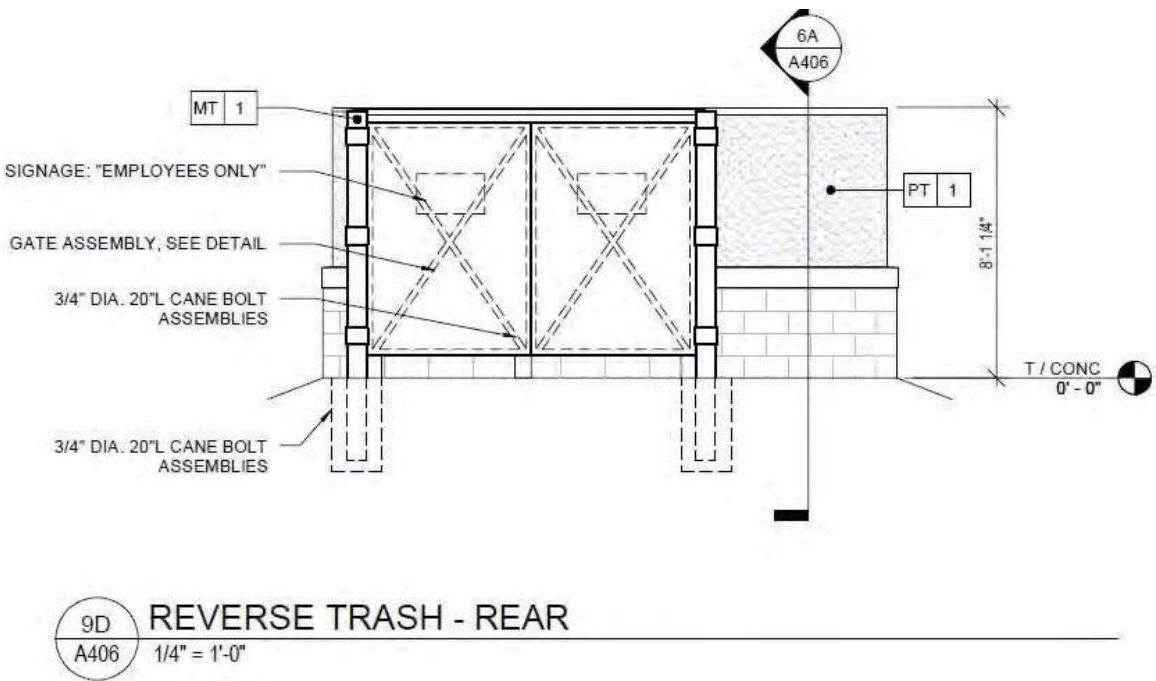
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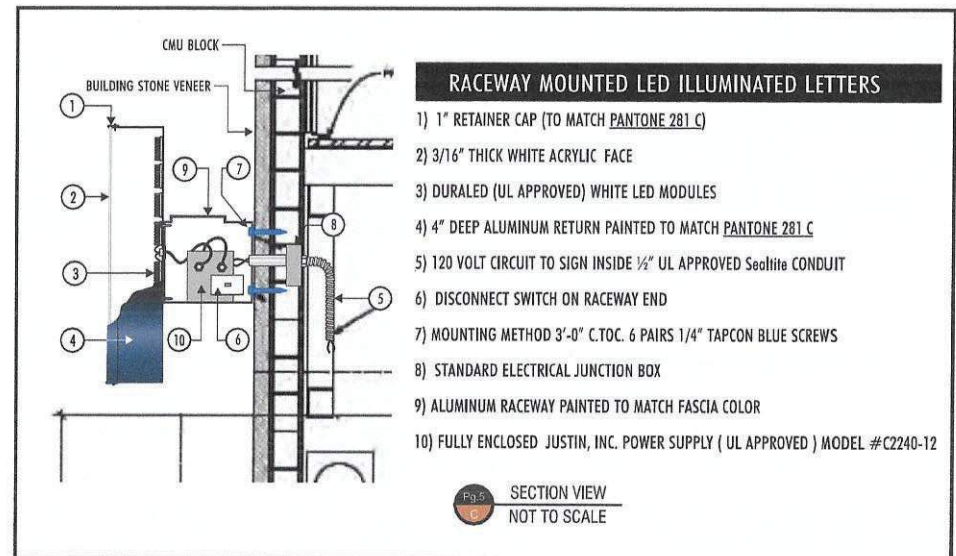
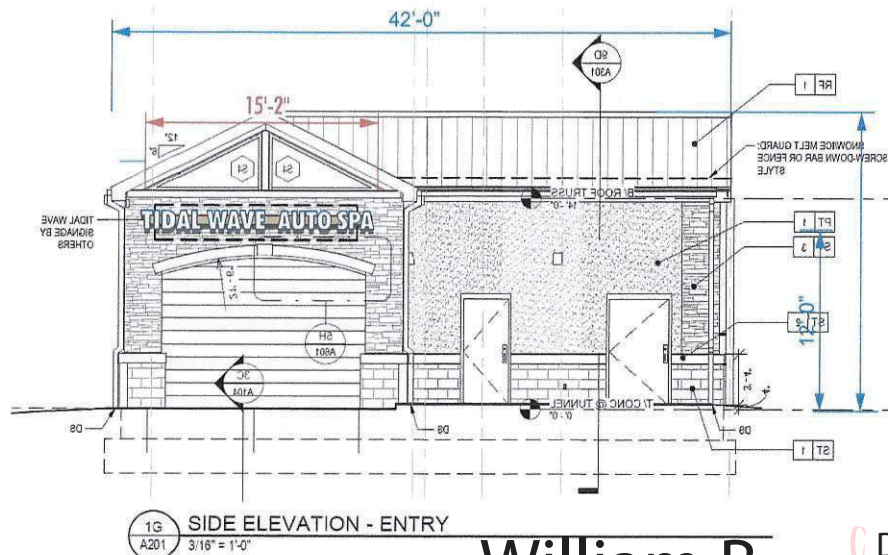
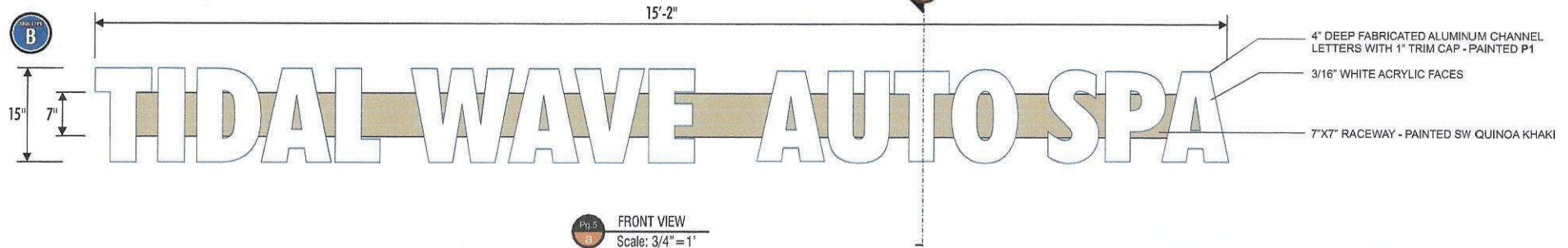
VERIFY DUMPSTER DOOR FRAME
DIMENSIONS WITH G.C. PRIOR
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COMPLIES WITH: 2020 FBC 7 ED. ASCE 7-16

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

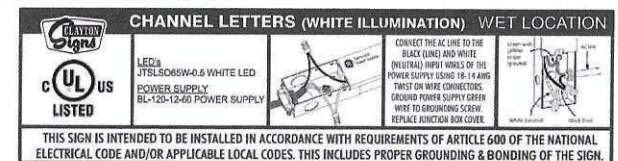
SIGN TYPE B: FACE-LIT CHANNEL LETTERS
QTY: 1 SET FOR TUNNEL EXIT- 19.01 SQ. FT.



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

William B.
Zeeveld

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



CLAYTON Signs
Since 1965

5198 NORTH LAKE DRIVE
LAKE CITY, GA 30260
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FAX 404-361-7038
WWW.CLAYTONSIGNS.COM

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

DRAWING
STATUS:

NF
NOT FINAL

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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 = $(15 \frac{1}{2})(15.0)(.75) = 14.1 \text{ FT}^2$

LETTER SET + RACEWAY = 200# (EST.)

LETTERS AFFIXED TO RACEWAY AT FABRICATION SHOP OK

RACEWAY AFFIXED TO WALL USING 6 PAIRS $3 \frac{1}{8} \phi \times 2 \text{\" EMBED REDHEAD LDT ANCHORS (OR EQUAL)}$

HORIZ. WIND PRESSURE (COMPRESSION) = $14.1(45) = 635 \text{ #}$ SINCE SIGN AREA REPLACES

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

HORIZ. WIND PRESSURE (SUCTION) = $14.1(100) = 1410 \text{ #}$ TENSION ON $12 \text{ - } 3 \frac{1}{8} \phi \text{ LDTs (REQ'D)}$

ALLOW. TENSION ($12 \text{ - } 3 \frac{1}{8} \phi \times 2 \text{\" LDT}) = 12(373) = 4476 \text{ #} > 1410 \text{ #}$ REQ'D. OK

VERTICAL LOAD AT WALL = 200# = SHEAR ON $12 \text{ - } 3 \frac{1}{8} \phi \text{ LDTs (REQ'D)}$

ALLOW. SHEAR ($12 \text{ - } 3 \frac{1}{8} \phi \text{ LDT}) = 12(759) = 9108 \text{ #} > 200 \text{ #}$ REQ'D. OK

CAR WASH MENU

SIGN TYPE

STC-1, C-2

WIND PRESSURE = 45 #/FT²

SIGN: $36 \text{\" W} \times 84 \text{\" H} = 26.25 \text{ FT}^2$

WT. = 300# (EST.)

BEND. MT. AT TOP OF CONCRETE = $26.25(45)(6.0) = 7088 \text{ FT# (REQ'D.)}$

SIGN POLE: HSS SQ. STEEL $4 \times 4 \times \frac{1}{4} \text{\" WALL, A36, SEC. MOD.} = 3.90 \text{ in}^3$

ALLOW. BEND. MT. = $36000 \times \frac{3.90}{12} = 11700 \text{ FT#} > 7088 \text{ FT#}$ REQ'D. OK

BASE RAIL: $12 \times 12 \times \frac{3}{4} \text{\" A36, SEC. MOD.} = \frac{12(12)(.75)}{6} = 1.25 \text{ in}^3$

GUSSET PLATES (4): $4 \times 4 \times \frac{3}{8} \text{\" A36, SEC. MOD. (2) = } 2 \left[\frac{375(4)(.6)}{6} \right] = 2,000 \text{ in}^3 \left\{ 3.125 \text{ in}^3 \right.$

ALLOW. BEND. MT. = $36000 \times \frac{3.125}{12} = 9375 \text{ FT#} > 7088 \text{ FT#}$ REQ'D. OK

ANCHOR BOLTS: $4 \text{ - } 3 \frac{1}{2} \phi \times 6 \text{\" EMBED WEDGE ANCHORS @ } 8 \text{\" C-TAG, } 4000 \text{ #/in}^2 \text{ CONCRETE}$

TENSION = $7088 / \frac{1}{2} = 10632 \text{ #}$ ON 2 ANCHORS (REQ'D) $11812 / 2 = 5906 \text{ #/ANCHOR}$

ALLOW. TENSION/ANCHOR = $8705(.77) = 6702 \text{ #/ANCHOR} > 5906 \text{ #}$ REQ'D. OK

WIND PRESSURE = $26.25(45) = 1182 \text{ #} = \text{SHEAR ON } 4 \text{ - } 3 \frac{1}{2} \phi \text{ ANCHORS (REQ'D.)}$

ALLOW. SHEAR/ANCHOR = $23760(.61) = 14493 \text{ #/ANCHOR}$

TOTAL ALLOW. SHEAR ($4 \text{ - } 3 \frac{1}{2} \phi \text{ ANCHORS}) = 4(14493) = 57972 \text{ #} > 1182 \text{ #}$ REQ'D. OK

SIGN TYPE D DUMPSTER DOOR PANELS.

OK AS DRAWN

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