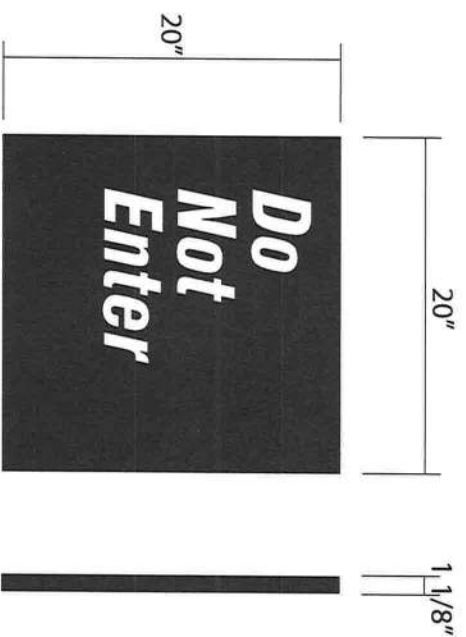


(64)



K L
M N
O

REPLACEMENT BAY I.D. PANELS
Scale: 1" = 1'-0"

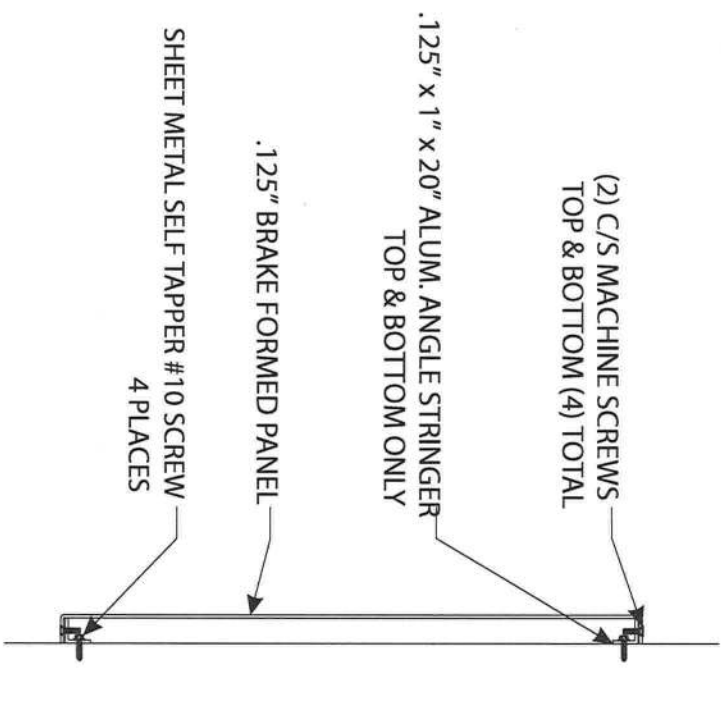
SCOPE OF WORK:

MANUFACTURE AND INSTALL (5) FIVE BRAKE FORMED ALUM. BAY I.D. PANELS

PANELS : .080" BRAKE FORMED ALUMINUM PANELS WITH 1ST SURFACE VINYL GRAPHICS.
PAINT : PAINT PANELS SATIN BLACK
VINYL : GRAPHICS ARE 3M #7725-10 WHITE VINYL
ATTACHMENT : (2) C/S SCREWS TOP & BOTTOM TO 1" x .125" x 20" ALUM. ANGLE STRINGERS



John J. Orlando



SECTION DETAIL 1 1/2" = 1'-0"

DOWLING SIGNS
OF NORTH CENTRAL FLORIDA, LLC
18038 NW 246th ST.
High Springs, FL, 32643
Phone 386-201-0819
Fax 386-201-0820
www.dowlingssigns.com



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PHOTO SURVEY OF EXISTING
Scale: Not to Scale

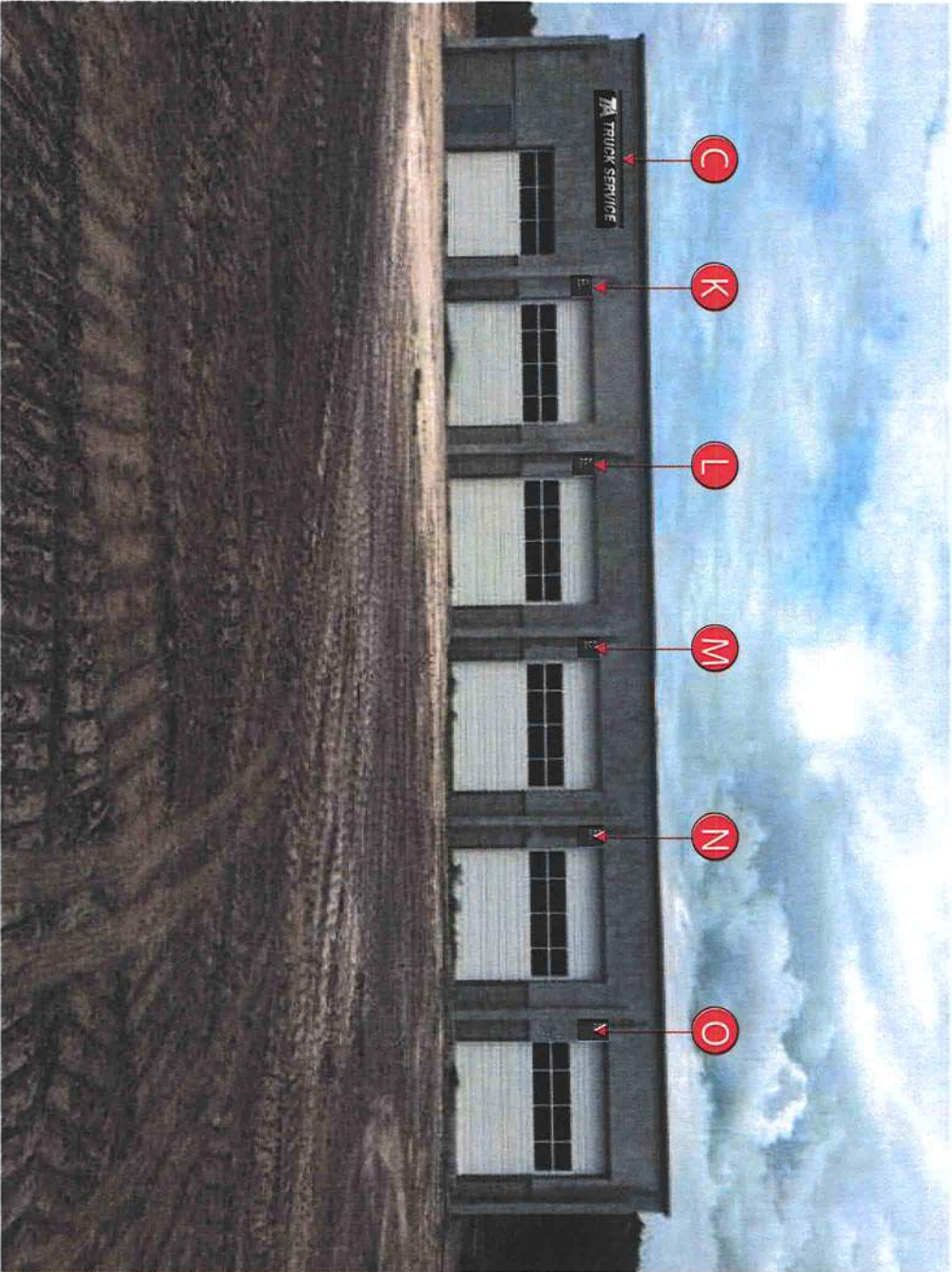


PHOTO SURVEY OF PROPOSED (EXIT)
Scale: Not to Scale



Job name TA Truck Service (signs K L M N O))
Job# 3821DS
Sign company: Dowling Signs
Installation location: I-75 and HWY-41, Lake City, FL 32025

Section 3107 and 1609 of Florida Building Code 2020 and Chapter 30 ASCE 7-16 applies.
Application of wind pressures using the alternative all heights method for components and cladding

Type of structure: aluminum panels

Occupancy Category: II

Wind velocity (3 sec gust), FBC 2020, section 1609.3: 130 mph

Wind pressure (qz) 43.3 psf

Net Pressure Coefficient (Cnet) from Figure 30.7-2

Components and cladding not in areas of discontinuity - walls and parapets -1.09
Wind Pressure -47.2 psf

Wind load applied between wall and structure, pulling structure away from wall
Load carried by tension in fasteners connecting structure to wall

- maximum height of structure to be attached	1.67 ft
- maximum width of structure to be attached	1.67 ft
- effective projected area factor	1.00
- projected area of each component to be attached	2.8 ft ²
- wind load	-131 lbs
- allowable tension load per fastener to	50 lbs
- even number of fasteners minimum of 2 =	-4
- number of fasteners practically required due to structure shape	4
- weight of structure is approximately	4 lbs
- allowable shear load per fastener to	50 lbs
- average shear load per fastener =	1.0 lbs

References:

ASCE 7-16
The 7th Edition (2020) of the Florida Building Code

sheet: 3 of 3



John J. Orlando PE LLC 0044089
165 Old Ridge Road
Macon, GA 31211
(478) 731-5394
jjorlando@cox.net



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 High Springs, FL, 32643
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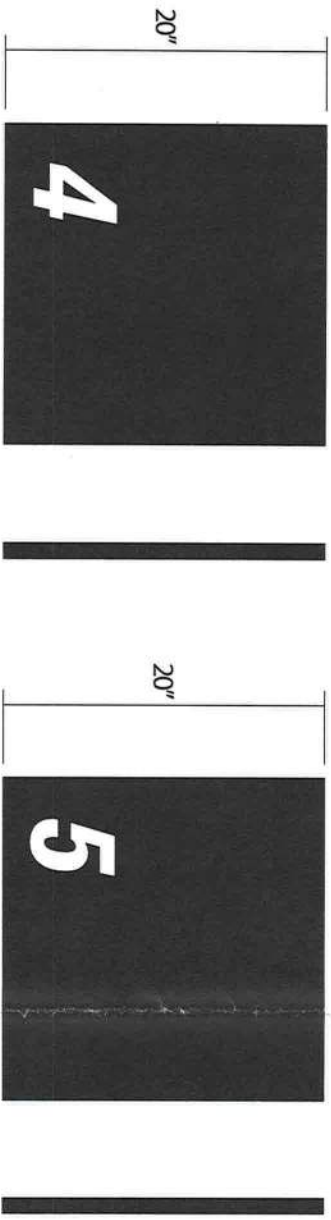
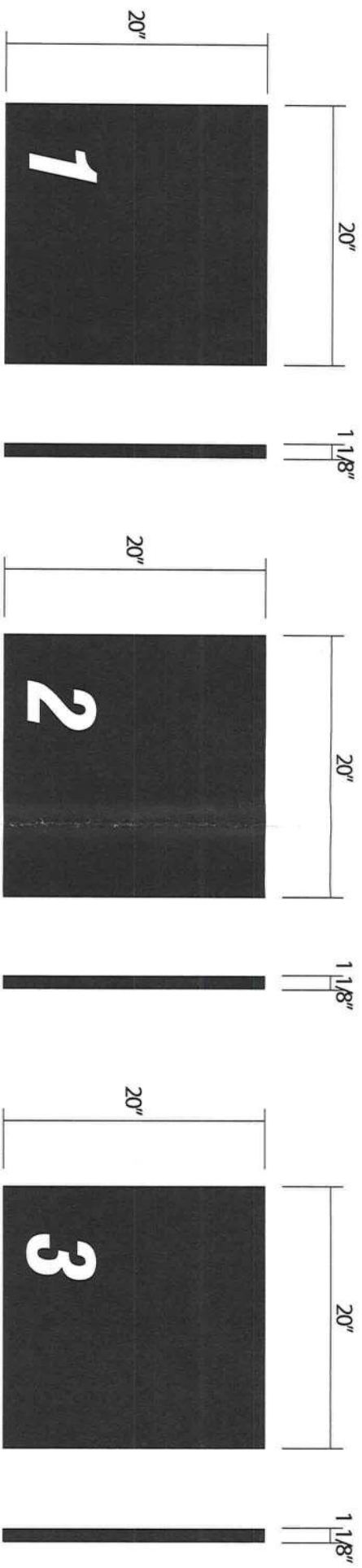
SITE PLAN
 Scale: Not to Scale

To be removed

CLIENT APPROVAL



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High Springs, FL, 32643
Phone 386-201-0819
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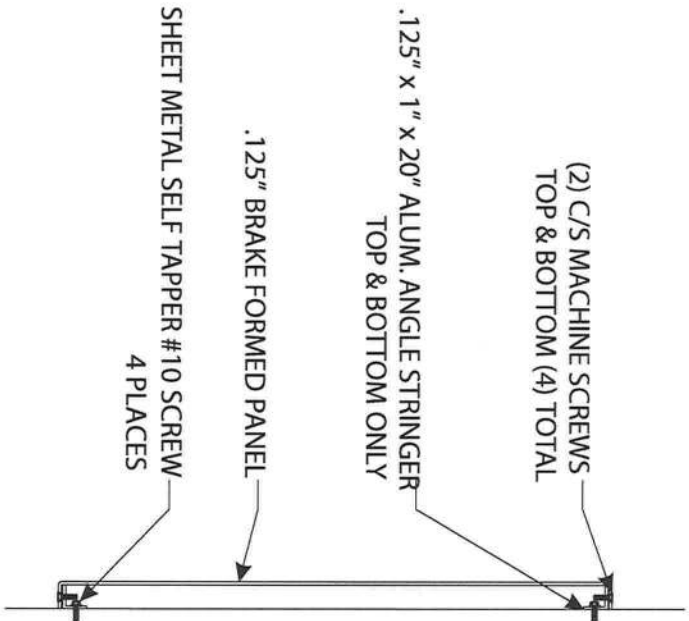


F G
REPLACEMENT BAY I.D. PANELS

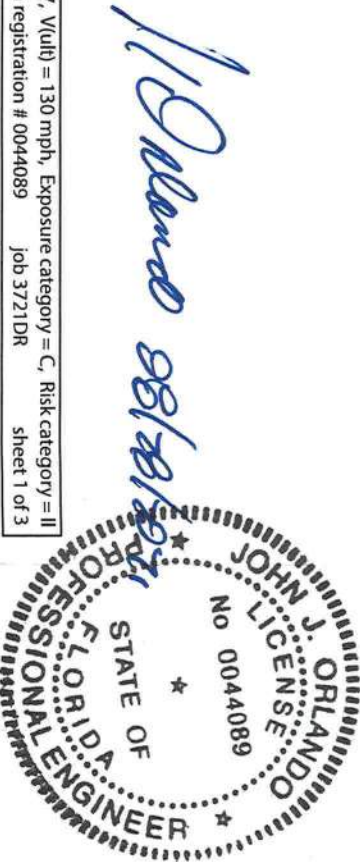
Scale: 1" = 1'-0"

H I
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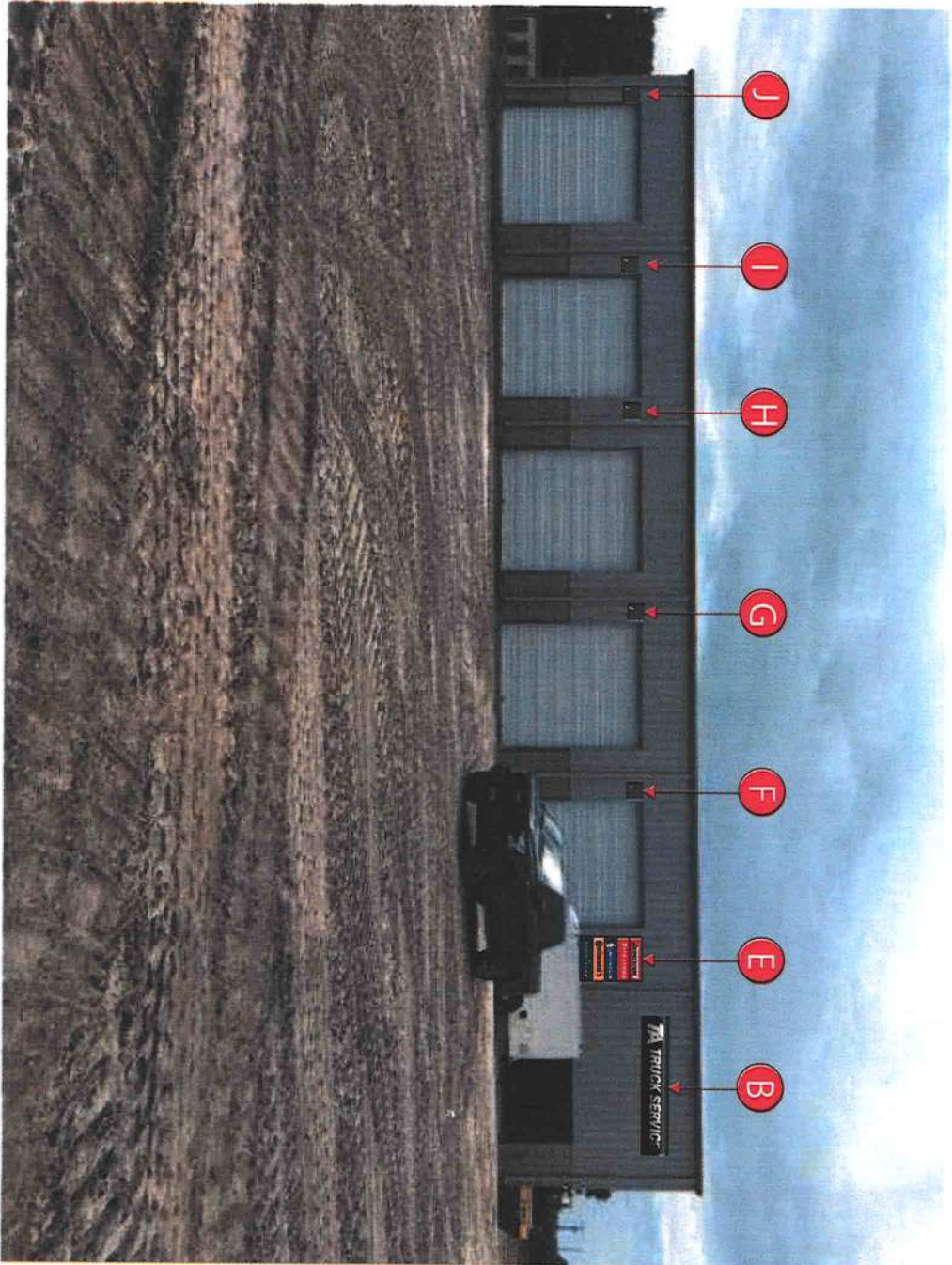


PHOTO SURVEY OF PROPOSED (ENTRANCE)
Scale: Not to Scale



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PHOTO SURVEY OF EXISTING
Scale: Not to Scale



PHOTO SURVEY OF PROPOSED (ENTRANCE)
Scale: Not to Scale

11038 NW 246th St.
High Springs, FL 32643
John J. Orlando
Professional Engineer
No. 0044089

Job name TA Truck Service (signs F G H I J)
Job# 3721DS
Sign company: Dowling Signs
Installation location: I-75 and HWY-41, Lake City, FL 32025

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