

| PROPOSED W/ BUILDING DIMENSIONS 3/16" = 1'-0"



TOM NEHL FREIGHTLINER | NIGHT VIEW 1/16" = 1'-0"

Jeb Murdoch, PE

Pelessional Engineer

DPE Lic. #73432

Exp. 2/28/2023 PN 2132478 DESIGN SPECIFICATIONS

Digitally signed by

Jere Murdoch, Pe

Date: 2021.08.04

14:33:47 -04'00'

FL Building Code 2020 7th Edition ASCE 7-16 Minimum Design Loads for Buildings & Other Structure ACI 318-14 Building Code Requirements for Structural Concrete

ANSI/AISC 360-16 Specification for Stuctural Steel Buildings

DESIGN LOADS V = 120 mph Wind Exposure Risk Cat.

harbinger. sign of the future

5300 Shad Road, Jacksonville, FL. 32257 harbingersign.com 904.268.4681

TOM NEHL 383 SW Arrowhead Ter. Lake City, FL 32024

SALES ASSOC: Mark Armbrust PROJECT MGR: Ryan Richardson DESIGNER: Justin Ortega

FILE: Tom Nehl_Lake City_R1_Permit
PATH: F:\Customers\Tom Nehl Trucks\Lake City\Design\CDR

REV.	DESCRIPTION	INITIALS
00	Original	J0
R1	Update Pylon, Add Bldg Signs	J0
R1	Permit Details	J0
\vdash		
-		
	00 R1	00 Original R1 Update Pylon, Add Bldg Signs

SQUARE FOOTAGE FORMULA

ZONING:

CI - COMMERCIAL INTENSIVE

CALCULATIONS:

NOT STIPULATED. SUBMIT FOR REVIEW.

ALLOWED TOTAL T.B.D. PROPOSED TOTAL 93.7 SqFt Total

CUSTOMER APPROVAL:

Approved

Approved as Noted

Not Approved

Customer Signature:

Customer Notes:



Complies with UL 48 CSA C22.2 No.207

THE STRUCTURAL DESIGN CONFORMS TO THE FOLLOWING CODES AND SPECIFICATIONS: THE FLORIDA BUILDING CODE SEVENTH EDITION (2020). THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (MANUAL OF STEEL CONSTRUCTION, THE EDITION). THE AMERICAN WELDING SOCIATY (AWS D1.1-15. THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ALS 138-14). THE SPECIFICATION FOR ALUMINUM STRUCTURES BY THE ALUMINUM ASSOCIATION (CURRENT EDITION).

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P.E. 73432

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STATE OF

ORIO
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Wind

Exposure Risk Cat.

harbinger. sign of the future

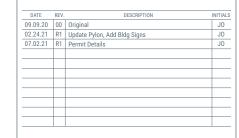
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ZONING:

ALLOWED TOTAL PROPOSED TOTAL

CUSTOMER APPROVAL:

CALCULATIONS:

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2 HUMMINGBIRD CT.

FTPE Lic. #73432

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ACI 318-14 Building Code Requirements for Structural Concrete

DESIGN LOADS

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V = 120 mph

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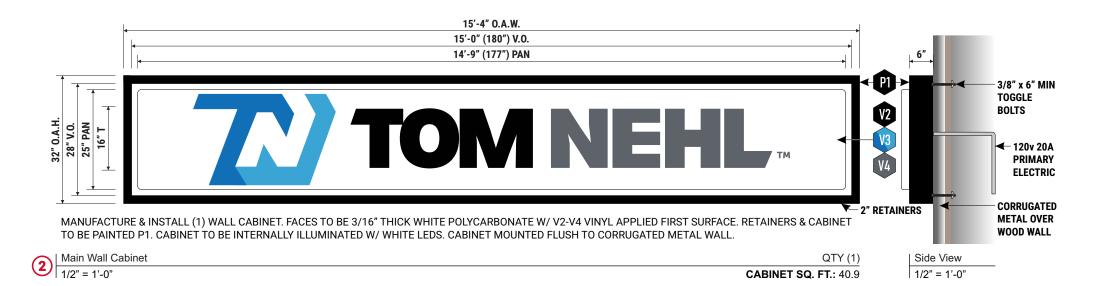
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FASTENER SCHEDULE (BOX SIGN)			WALL CONSTRUCTION			
HARD₩ARE	DIAM.	O.C. Spacing Max.	MASONRY (CMU- Block)	EFIS/DRYVIT OVER min. 3/4" PLYWOOD	EFIS/DRYVIT OVER GYPSUM/ DENSGLASS	METAL PANEL OVER METAL STUD
THRU-BOLT	3/8"	48in.	YES	YES	ONLY WITH BACKER (MIN. 3/4" PLYWOOD)	YES
POWERS DBL. EXPANSION ANCHOR	3/8"	48in.	YES ²	NO	NO NO	
LAG BOLT	3/8"	48in.	NO	1" SOLID WOOD PENETRATION REQ'D	, NO NO	
TOGGLE BOLT	3/8"	24in.	IF THROUGH BLOCK FACE	YES	ONLY WITH MIN. 3/4" PLYWOOD BACKER YES	
Tek-Screw	1/4"	N/A	NO	NO	NO	YES into 1/8" Alum or 1/16" Steel

- 1.) Fasteners shall be evenly spaced Top and Bottom w/4" Side end clearance. Through Min. 1/8" Alum. box framing with washers.
- 2.) Expansion anchors require a minimum 1-3/4" solid masonry embedment installed per/tec-guide for wall construction type.
- 3.) Tek-Screw into Alum. Require SS Screw Full Thread Embedment Required.
- 4.) Thru-Bolts (All-Thread Rods) into L2x2x3/16" Stl. Angle or 2x6 lumber spanning two(2) wall studs per/Bolt Rod

Engineers Connection Note:

Provide fasteners through sign box framing with washers using the fastener schedule for existing wall construction type to determine the fastener type and Max. O.C. bolt spacing to install evenly spaced along the top and bottom with a 4" Max. side end clearance.

- All fasteners must be installed per/manufacturer's Tech Guide.
- Contact Murdoch Engineering for revision if field conditions vary.



3M 3630-61 TRANS SLATE GRAY

PE Lic. #73432

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DESIGN LOADS

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V = 120 mph

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ACI 318-14 Building Code Requirements for Structural Concrete

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09.09.20	00	Original	J0
02.24.21	R1	Update Pylon, Add Bldg Signs	J0
07.02.21	R1	Permit Details	J0

SQUARE FOOTAGE FORMULA

ZONING:

ALLOWED TOTAL
PROPOSED TOTAL

CUSTOMER APPROVAL:

Approved

CALCULATIONS:

Approved as Noted

Customer Signature:

Not Approved

Date:

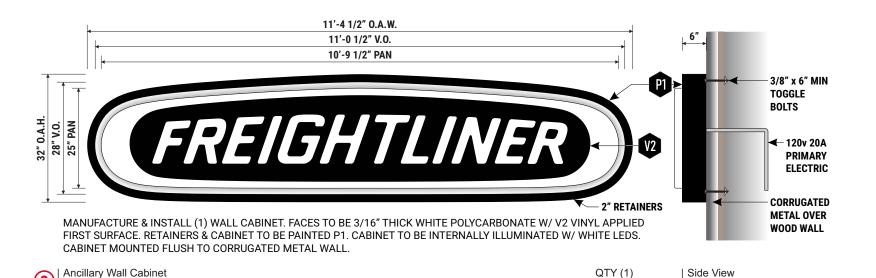
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CABINET SQ. FT.: 32.6

1/2" = 1'-0"

WILKE MURDOW

STATE O.

ORIONALEMAN

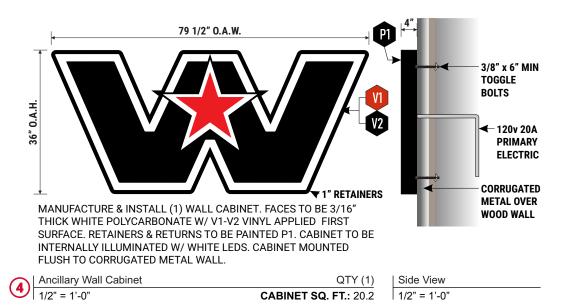
FASTENER SCHEDULE (BOX SIGN)			WALL CONSTRUCTION			
HARD∀ARE	DIAM.	O.C. Spacing Max.	MASONRY (CMU- Block)	EFIS/DRYVIT OVER min. 3/4" PLYWOOD	EFIS/DRYVIT OVER GYPSUM/ DENSGLASS	METAL PANEL OVER METAL STUD
THRU-BOLT	3/8"	48in.	YES	YES	ONLY WITH BACKER (MIN. 3/4" PLYWOOD)	YES
POWERS DBL. EXPANSION ANCHOR	3/8"	48in.	YES ²	NO	NO	NO
LAG BOLT	3/8"	46in.	NO	1" SOLID WOOD PENETRATION REQ'D	NO NO	
TOGGLE BOLT	3/8"	23in.	IF THROUGH BLOCK FACE	YES	ONLY WITH MIN. 3/4" PLYWOOD BACKER	YES
Tek-Scre₩	1/4"	N/A	NO	NO	NO	YES into 1/8" Alum or 1/16" Steel

- 1.) Fasteners shall be evenly spaced Top and Bottom w/4" Side end clearance. Through Min. 1/8" Alum. box framing with washers.
- 2.) Expansion anchors require a minimum 1-3/4" solid masonry embedment installed per/tec-guide for wall construction type.
- 3.) Tek-Screw into Alum. Require SS Screw Full Thread Embedment Required.
- 4.) Thru-Bolts (All-Thread Rods) into L2x2x3/16" Stl. Angle or 2x6 lumber spanning two(2) wall studs per/Bolt Rod

Engineers Connection Note:

Provide fasteners through sign box framing with washers using the fastener schedule for existing wall construction type to determine the fastener type and Max. O.C. bolt spacing to install evenly spaced along the top and bottom with a 4" Max. side end clearance.

- All fasteners must be installed per/manufacturer's Tech Guide.
- Contact Murdoch Engineering for revision if field conditions vary.



CABINET SQ. FT.: 20.2

1/2" = 1'-0"

FASTENER SCHE	NER SCHEDULE (BOX SIGN)		WALL CONSTRUCTION			
HARDWARE	DIAM.	O.C. Spacing Max.	MASONRY (CMU- Block)	EFIS/DRYVIT OVER min. 3/4" PLYWOOD	EFIS/DRYVIT OVER GYPSUM/ DENSGLASS	METAL PANEL OVER METAL STUD
THRU-BOLT	3/8"	Per/Note	YES	YES	ONLY WITH BACKER (MIN. 3/4" PLYWOOD)	YES
POWERS DBL. EXPANSION ANCHOR	3/8"	Per/Note	YES ²	NO	NO	NO
LAG BOLT	3/8"	Per/Note	NO	1" SOLID WOOD PENETRATION REQ'D	NO	NO
TOGGLE BOLT	3/8"	Per/Note	IF THROUGH BLOCK FACE	YES	ONLY WITH MIN. 3/4" PLYWOOD BACKER	YES
Tek-Screw	1/4"	N/A	NO	NO	NO	YES into 1/8" Alum or 1/16" Steel

- 1.) Fasteners shall be evenly spaced Top and Bottom w/4" Side end clearance. Through Min. 1/8" Alum, box framing with washers.
- 2.) Expansion anchors require a minimum 1-3/4" solid masonry embedment installed per/tec-quide for wall construction type.
- 3.) Tek-Screw into Alum. Require SS Screw Full Thread Embedment Required.
- 4.) Thru-Bolts (All-Thread Rods) into L2x2x3/16" Stl. Angle or 2x6 lumber spanning two(2) wall studs per/Bolt Rod

Engineers Connection Note:

Provide fasteners through sign box framing with washers using the fastener schedule for existing wall construction type to determine the fastener type to install as follows:

- Provide Five(5), Three(3) top and Two(2) bottom, Toggle Bolt, Provide Ten(10), Six(6) top and Four(4) bottom.
- All fasteners must be installed per/manufacturer's Tech Guide.
- Contact Murdoch Engineering for revision if field conditions vary.

P1 SATIN BLACK PAINT



3M TRANSLUCENT DIGITAL PRINT VINYL W/ LAMINATE PRINT TO MATCH PANTONE 485C



3M 7725-12 BLACK OPAQUE VINYL



3M IJ180-C10 DIGITALLY PRINTED VINYL W/ 8520 OVERLAMINATE



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ZONING:

CALCULATIONS:

ALLOWED TOTAL PROPOSED TOTAL

CUSTOMER APPROVAL:

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Not Approved

Customer Signature:

Customer Notes:



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Exposure Risk Cat.

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