

City of Portland, Oregon - Bureau of Development Services



1900 SW Fourth Avenue • Portland, Oregon 97201 • 503-823-7300 • www.portlandoregon.gov/bds

Sign Permit Application Permit number				
FOR INTAKE, STAFF USE ONLY				
Application date				
ssued dateApplicable zoneApplicable zone				
Approved by Overlay zone				
Structural engineer's approval Plan / historic district				
APPLICANT: Complete all sections below that appl				
Installation address 2620 SW 18 AVE POYHUY	Cl, CDProperty tax account #			
Business name RIVIAN				
Legal owner of sign				
Address of sign owner				
Address of sign owner Properties - Steve Barragur Property owner name Harsch Investment Properties - Steve Barragur				
Address	. ,			
Sign contractor name DV(NT) SignSIIC Construction contractors board # 2010 1103 Address 4095 (Nevry Ave NE Religer, OR 97303 Day Phone 503-850-8571 FAX email OCC+ Drunt SignSIIC D For electric signs				
For electric signs	ginail- com			
Electrician's name Alan Mills				
Which of the following best describes the proposed wo				
New sign	New awning			
Alteration to existing sign	Addition to existing awning			
Addition to an existing sign, size increased by% Addition of a sign to existing awning				
Type of sign, check all that apply				
☐ Freestanding ☐ Monument	☐ Projecting			
☐ Sign on awning ☐ Fascia sign, ov				
☐ Painted wall/adhered ☐ Pitched roof	☐ Sign on marquee			
Other WM Sign	Sign attached to canopy			
Proposed sign dimensions				
	Il sign height depth of fascia sign total area of sign			
12.6 ft. 2.5 ft. 2.5	ft. 2.5 in. 31.25 sq. ft.			
[Y] [N] Do you have permission of the property owner to erect this sign? [Y] [N] Changing image features? If yes, area of changesq.ft. [Y] [N] Complete listing of existing signs attached. Required, a complete listing including type and size area. [Y] [N] Site plan attached. If a site plan is required it must show size and location of existing signs, for site plan requirements see the Sign Permit Program Guide.				
Applicant's signature Applicant's name, printed Standard Cervin	Applicants phone # 503 · 856 - 887			

City Of Portland

REVIEWED FOR CODE COMPLIANCE

Date: 07/06/22

Permit #: 22-140252-000-00-SG



PORTLAND SERVICE CENTER

R0 06.25.2021

R1 08.10.2021

R2 09.03.2021

R3 09.23.2021

R4 10.19.2021

R5 10.21.2021

R6 11.02.2021

R7 12.08.2021

R8 02.22.2022

R9 04.19.2022

Permit #: 22-140252-000-00-SG

STADIUM FRWY

PROJECT LOCATION: 2620 SW 1ST AVENUE PORTLAND, OR 97201-**3RD AVENUE** SW ARTHUR ST

SW MEADE ST

VICINITY MAP SCALE: N.T.S.

JONES SIGN

Your Vision. Accomplished. WWW.JONESSIGN.COM

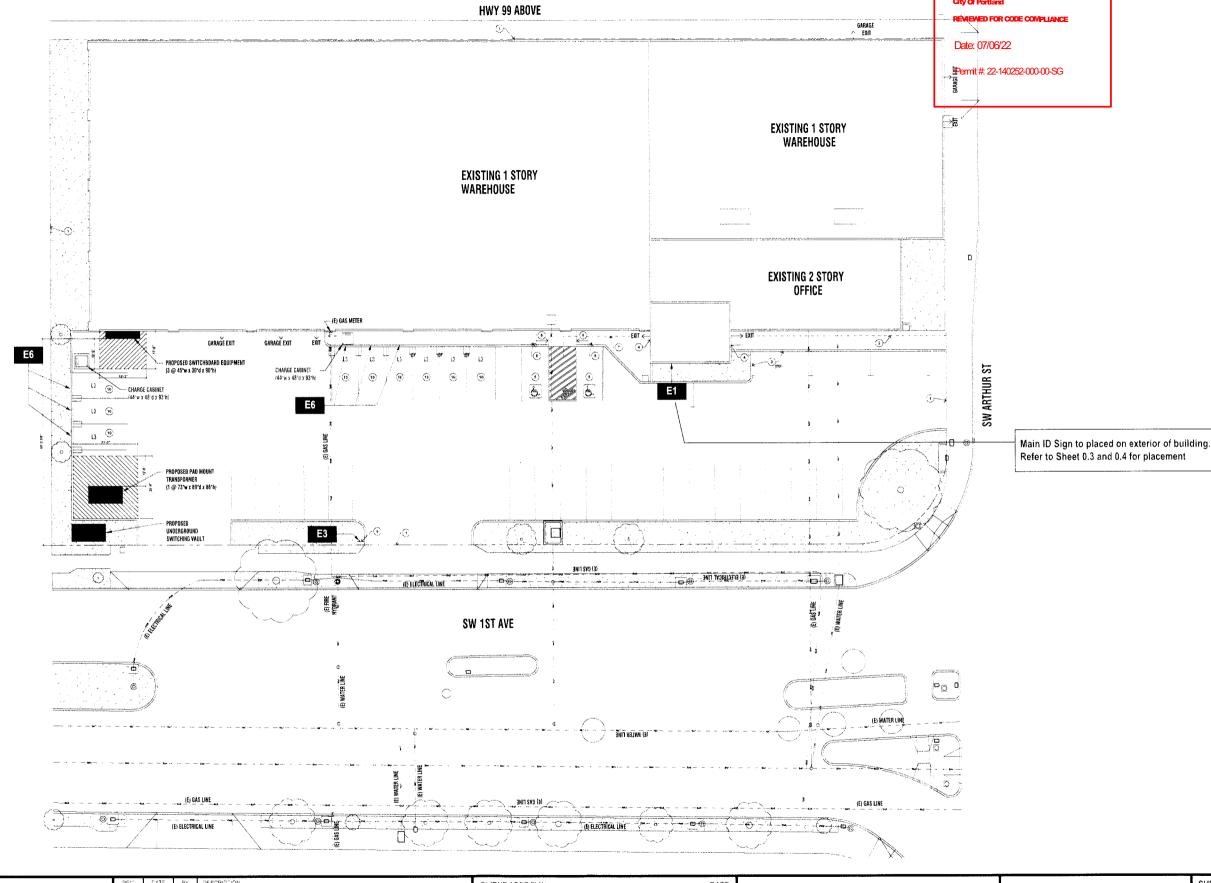
JOB #: 261790-R9 DATE: 06.25.2021 DESIGNER: C. Clark SALES REP: M. Bjorklund PROJ MGR; R. Jensky

09.03.21 CC UPDATED PER COMMENTS AND NEW SPECS
09.23.21 CC UPDATED PER COMMENTS AND NEW PERMIT ARCHITECTURALS CLIENT APPROVAL LANDLORD APPROVAL



RIVIAN

2620 SW 1st Ave Portland, OR 97201 SHEET NUMBER



JONES SIGN Your Vision. Accomplished.

SITE PLAN SCALE: N.T.S.

WWW.JONESSIGN.COM

JOB #: 261790-R9 DATE: 06.25.2021 DESIGNER: C. Clark

UPDATED PER COMMENTS UPDATED PER COMMENTS AND NEW SPECS UPDATED PER COMMENTS AND NEW SPECS

UPDATED PER COMMENTS AND NEW PERMIT ARCHITECTURALS

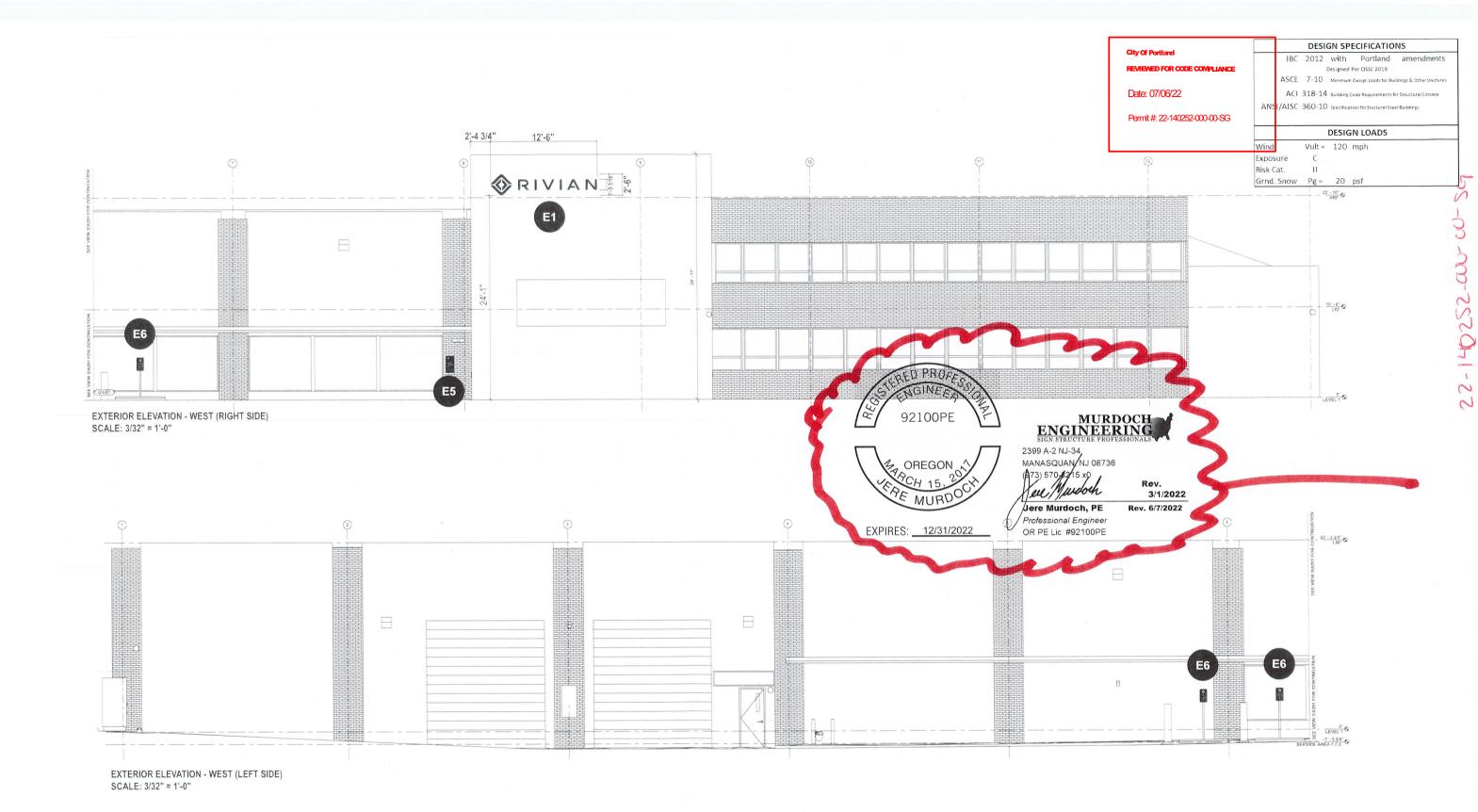
UPDATED PER COMMENTS AND UPDATED PERMIT ARCHITECTURALS 09.23.21 10.19.21 UPDATED SITE PLAN. C1 MSGS, OCCUPANCY AND N1 ELEVATION UPDATED LIST SPACING ON EVAC MAPS 11.02.21 12.05.21 CC ADDED RACEWAY TO E1 CHANNEL LETTERS
02.22.22 WAM CONVERT SELECTED PAGES TO B/W SALES REP: M. Bjorklund

CLIENT APPROVAL LANDLORD APPROVAL



RIVIAN

2620 SW 1st Ave Portland, OR 97201 SHEET NUMBER



JONES SIGN
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JOB #: 261790-R9
DATE: 06.25.2021
DESIGNER: C. Clark
SALES REP: M. Bjorklund
PROJ MGR: R. Jensky

CLIENT APPROVAL DATE

LANDLORD APPROVAL DATE



RIVIAN

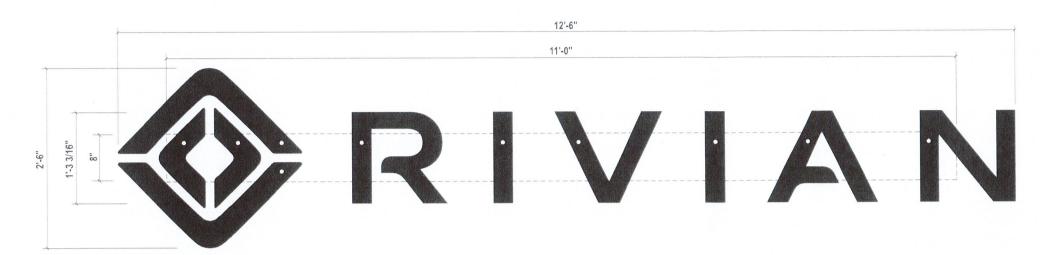
2620 SW 1st Ave Portland, OR 97201 SHEET NUMBER

0.3

E1 BUILDING ID HALO-LIT LETTERS (QTY 1)

SQUARE FOOTAGE: 31.25

FIELD SURVEY REQUIRED





Engineer's Note:

Concrete wall to be verified in field as min. 6" thk. for fastening applications, contact Murdoch Engineering if field conditions vary

SPECIFICATIONS

- 1..063" X 3" ALUMINUM RETURN P-4 WELDED TO ALUMINUM FACE, PREFINISH WHITE INSIDE
- 2. COUNTERSUNK SCREWS P-4
- 3..125" ALUMINUM FACE P-4
- 4. WHITE LED MODULES SECURED TO REMOVABLE BACK
- 5. .150" WHITE POLYCARBONATE BACKS TEK SCREWED TO ALUMINUM TABS
- 6. .125" ALUMINUM MOUNTING TABS FASTENED TO RETURNS WITH COUNTERSUNK SCREWS
- 7. 1/4"x5" TAPCONS EMBD. MIN. 1-3/4" INTO CONCRETE WALL, [4] PER LETTER, [3] PER LOGO SECTION
- 9. 7/8" ELECTRICAL HOLE / 3/4" COUPLER WITH FLEXIBLE CONDUIT TO INTERIOR RACEWAY; VISIBLE CONDUIT P-1
- 10. LED POWER SUPPLY MOUNTED TO BOTTOM OF INTERIOR RACEWAY
- 11. ETL APPROVED ELECTRICAL SHUT OFF SWITCH MOUNTED TO INTERIOR RACEWAY
- 12. INTERIOR RACEWAY. .063" WHT/WHT BRAKE FORMED ALUMINUM WITH REMOVABLE FACE FOR ACCESS TO POWER SUPPLIES P-1.
- 13. 1/4"Ø WEEP HOLES IN BACK OF LETTER

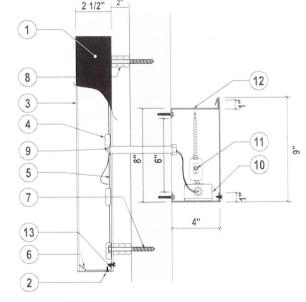
- ETL. MANUFACTURER & VOLTAGE TAGS ON TOP OF LETTER
- TYPICAL ELECTRICAL LEAD / WHIP LENGTH 6'-0"
- VOLTAGE: 120V
- 120V 20 AMP PRIMARY ELECTRICAL CONNECTIONS TO BE MADE BY LICENSED **ELECTRICAL CONTRACTORS**

COLORS/FINISHES



P-4 MP TO MATCH RAL 9004 SIGNAL BLACK, MATTE FINISH

P-1 MP TO MATCH RAL 9016 TRAFFIC WHITE, MATTE FINISH



CROSS SECTION VIEW SCALE: N.T.S.

JONES SIGN Your Vision. Accomplished.

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JOB #: 261790-R9 DATE: 06.25.2021

DESIGNER: C. Clark SALES REP: M. Bjorklund

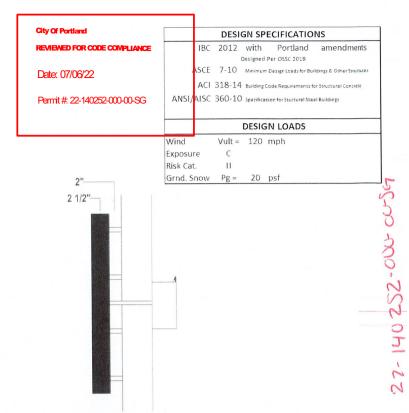
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CLIENT APPROVAL LANDLORD APPROVAL

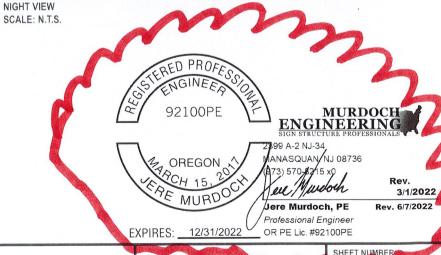
RIVIAN 2620 SW 1st Ave

Portland, OR 97201





SIDE VIEW



IENERAL: . ALL MATERIALS AND WORK SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABL

- ALL INFLEMENTS AND WORK SHALL CONTROMN OF THE REDURENCENTS OF THE APPLICABLE INTERRALIDABLE BUILDING CODE (IBC).

 CONSTRUCTION METHODS AND PROJECT SAFETY: DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE METHODS, PROCEDURES, OR SEQUENCE OF CONSTRUCTION. TAKE NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE DURING CONSTRUCTION. THE GROW WILL NOT ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES AND SHALL BE SOLLEY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, JAMES AND SEGUENCES SAFETY AND HEALTH STANDARDS.
- CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS,
 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS
 PRIGHT OT THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF
 ANY DISCREPANCIES OR INCONSISTENCIES THAT ARE FOUND. NOTED DIMENSIONS TAKE
 PRECEDENCE OVER SCALED DIMENSIONS. ON DOT SCALE BRAWINGS.
 ALL OMISSIONS AND/OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING
- DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND FIELD INSPECTOR. THE ENGINEER SHALL PROVIDE A SOLUTION PRIOR TO PROCEEDING WITH ANY WORK AFFECTED BY THE CONFLICT OR OMISSION. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK
- CONSTRUCT IN ACCORDANCE WITH THE STEEL CONSTRUCTION MANUAL, 14TH EDITION
- 010 ALUMINUM DESIGN MANUAL WHEN A DETAIL IS IDENTIFIED AS TYPICAL. THE CONTRACTOR IS TO APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE
- REFERENCE IS REPEATED IN EVERY INSTANCE. ANY CHANGE TO THE DESIGN AS SHOWN ON THE DRAWINGS REQUIRES PRIOR WRITTEN
- APPROVAL FROM DESIGN ENGINEER OF RECORD BEFORE CONSTRUCTION.
 WORK PERFORMED IN CONFLICT WITH THE STRUCTURAL DRAWINGS OR APPLICABLE
 BUILDING CODE REQUIREMENTS SHALL BE CORRECTED AT THE EXPENSE OF THE
- ONTRACTOR VERIFICATION: VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE
- STARTING WORK. NOTIFY THE EOR IMMEDIATELY OF ANY DISCREPANCIES.
 DOCUMENT INSTALLATION OF FOOTINGS / ANCHOR BOLTS / EPOXY ANCHORS WITH PHOTOGRAPHS AND MEASUREMENTS

MIN.
MIN.
MIN.
MIN.
MIN.

- BOLTS SHALL CONFORM TO ASTM A307 GRADE B
- BOLTS AND THREADED ROD SHALL BE HOT-DIP GALVANIZED PER ASTM F2329 UNO. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 UNO.
- NUTS SHALL CONFORM TO ASTM A563.
- WASHERS SHALL CONFORM TO ASTM F844
- STEEL HARDWARE SHALL BE HOT-DIP GALVANIZED PER ASTM A153 UNO
- WELD STRUCTURAL STEEL IN COMPLIANCE WITH ANSI/AWS D1.1 AND AISC SPECIFICATION, CHAPTER J. WELDERS SHALL BE CERTIFIED AS REQUIRED BY GOVERNING CODE AUTHORITY. WELDING SHALL BE DONE BY ELECTRIC ARC PROCESS USING LOW-HYDROGEN ELECTRODES WITH SPECIFIED TRUSHE STRENGTH NOT LESS THAN 70 KSI UNLESS NOTED OTHERWISE
- ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY AN AWS OR ICC CERTIFIED WELDER WITH ACTIVE STATUS AT TIME OF WELDING
- UNLESS A LARGER WELD SIZE IS INDICATED, PROVIDE MINIMUM SIZE WELDS PER AISC SPECIFICATION SECTION 12 TABLE 12.4
- BASE PLATES SHALL BE WELDED ON TOP AND BOTTOM WITH CONTINUOUS WELDS OF AT LEAST 1/4" (IF PLATE IS CUT TO FIT TUBE INTO PLATE)

- EABRICATE AND ERECT ALUMINUM IN COMPLIANCE WITH THE ALUMINUM ASSOCIATION (AA) 2010 ALUMINUM DESIGN MANUAL (ADM) 1, THE SPECIFICATIONS FOR ALUMINUM SHEET METAL WORK (ASM35), AND IBC CHAPTER 20
- PIPE AND TUBE SHALL BE 6061-T6 PER ASTM B241 OR B429 WITH Ftu=38 KSI MIN, Fty=35
- (SI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN. STD STRUCTURAL PROFILES SHALL BE 6061-T6 PER B308 WITH Ftu=38 KSI MIN, Fty=35 KSI

- 3. STD STRUCTURAL PROFILES SHALL BE 6061-T6 PER B308 WITH FLU=38 KSI MIN, Fty=35 KSI MIN, Fluw=24 KSI MIN, Flyw=15 KSI MIN. Flyw=15 KSI MIN. Flyw=24 KSI MIN, Flyw=25 KSI MIN. Flyw=24 KSI MIN, Flyw=25 KSI MIN, Flyw=24 KSI MIN, Flyw=24 KSI MIN, Flyw=25 KSI MIN, Flyw=24 KSI MIN, Flyw=25 KSI MIN, Flyw=25 KSI MIN, Flyw=25 KSI MIN, Flyw=24 KSI MIN, Flyw=35 KSI MIN, Flyw=25 KSI MIN, Fluw=24 KSI MIN, Flyw=15 KSI MIN. Fluw=24 KSI MIN, Flyw=15 KSI MIN. Fluw=24 KSI MIN, Flyw=15 KSI MIN. Fluw=25 KSI MIN, Flyw=15 KSI MIN. Fluw=25 KSI MIN, Flyw=15 KSI MIN. Fluw=25 KSI MIN, Flyw=15 KSI MIN. Fluw=26 KSI MIN, Flyw=15 KSI MIN. Fluw=26 KSI MIN, Fly=35 KSI MIN, Flyw=26 KSI MIN, Fly=35 KSI MIN, Flyw=26 KSI MIN, Fly=35 KSI MIN, Flyw=26 KSI MIN, Flyw
- SUPERCEDE DRAWING DETAILS. PROVIDE NEOPRENE GASKET BETWEEN DISSIMILAR METALS TO PREVENT GALVANIC
- RROSION JMINUM DIRECTLY EMBEDDED INTO CONCRETE SHALL BE CAPPED AT BOTTOM AND ATED WITH BITUMINOUS COATING OR POLYURETHANE WHERE IN CONTACT WITH
- CONCRETE.

 4. FASTENERS BETWEEN DISSIMILAR METALS SHALL BE STAINLESS STEEL 316.

CONCRETE & REINFORCEMENT

- ONCERTE & REINFORCEMENT
 MINIMUM 28-DAY COMPRESSIVE STRENGTH (fc') SHALL BE 3,000 PSI. THE MAXIMUM
 WATER TO CEMENT RATIO SHALL BE 0.45 BY WEIGHT. A MINIMUM 07 F-3/4 BAGS OF
 CEMENT SHALL BE USED PER CUBIC YARD WITH A SLUMP OF 4" + 1.
 REINFORCEMENT TO BE ASTAN A615 GR 60, Fy=60 KSI UNO
 CALCIUM CHOORIDE OR ADDOCHOLINGE IS NOT PERMITTED
 VIBRATION: ALL REINFORCED CONCRETE SHALL BE CONSOLIDATED WITH MECHANICAL
 VIBRATION:

- VIBBATORS.
 CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318-14
 PROVIDE A MINIMUM OF 2-1/2" COVER OF ALL EMBEDDED STEEL REBAR AND A MINIMUM
 OF 6 INCHES OF COVER FOR DIRECT BURIED PIPE OR TUBE MEMBERS.

- CONCRETE POURED INTO CONSTRAINED EARTH EXCAVATIONS MUST CURE UNDER PROPER CONDITIONS FOR A MINIMUM OF 7 DAYS PRIOR TO SIGN BOX INSTALLATION. (EXCEPTION: IF THE OVERALL HEIGHT OF THE SIGN IS LESS THAN 20 FEET AND THE SIGN IS ADEQUATELY BRACED AGAINST WIND LOADS FOR A MINIMUM OF 4 DAYS, THE BOX MAY BE INSTALLED THE SAME DAY AS THE EQUTING IS POLIRED)
- FOOTINGS MUST BE POURED AGAINST UNDISTURBED EARTH. SOIL BACKFILL IS FUNIACE PABLE. WHEN A SONOTUBE IS USED AS THE FORM, 3/4* BILESTONE OR CONCRETE SHALL BE USED TO BACKFILL THE SPACE BETWEEN THE SONOTUBE AND UNDISTURBED EARTH.
- WEATHER PLACEMENT: PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH THAT COULD BE CAUSED BY FROST, FREEZING ACTIONS OR LOW TEMPERATURES. DO NOT POUR CONCRETE DURING OR WHEN FREEZING TEMPERATURES ARE ANTICIPATED WITHIN 3 DAYS OF POUR.

REINFORCEMENT IS NOT REQUIRED FOR DIRECT BURIAL TYPE SIGN FOOTINGS FOR SIGNS OF 25 FEET OVERALL HEIGHT OR LESS. DIRECT BURIED STEEL SHALL EXTEND TO 6 INCHES

- FROM BOTTOM OF FOOTING FOR ANCHOR BOLT / BASE PLATE - SQUARE FOOTINGS, PROVIDE A MINIMUM OF #5 VERTICAL REBAR @ 12" O.C. 4" OFFSET FROM PERIMETER, TOP AND BOTTOM OF FOOTING PROVIDE #3 HORIZONTAL TIES @ 12" O.C.
- FOR ANCHOR BOLT / BASE PLATE BOLIND FOOTINGS PROVIDE A MINIMUM OF SIX (6) VERTICAL #5 REBARS, EVENLY SPACED, 4" OFFSET FROM FOOTING PERIMETER & #3 ORIZONTAL TIES. 12" O.C. UNLESS OTHERWISE NOTED
- ANCHOR BOLTS SHALL BE TIED TO REBAR CAGE AT A MINIMUM OF TWO LOCATIONS PER FOOTING DESIGN ASSUMES FOOTING SHALL BE EXCAVATED AND POURED IN
- 8. FOOTING DESIGN ASSUMES FOOTING SHALL BE EXCAVATED AND POURED IN
 UNDISTURBED NATURAL EARTH, CAPABLE OF WITHSTANDING A MINIMUM 1,500 PSF
 VERTICAL DESIGN BEARING PRESSURE AND 150 LBS/SF/FT OF DEPTH OF LATERAL BEARING
 PRESSURE BASED ON SOIL DATA OBTAINED FROM THE USGS SOIL SURVEY.
 J. IF CLAY, SITV. CLAY, ORGANIC OR FILL SOIL IS ENCOUNTERED UPON EXCAVATION,
 CONTACT MURDOCH ENGINEERING FOR FOOTING DESIGN MODIFICATION PRIOR TO

EXISTING CONDITIONS

- IF EXISTING CONDITIONS ARE NOT AS DETAILED IN THIS DESIGN. THE INSTALLER SHALL
- CEASE WORK AND NOTIFY MURDOCH ENGINEERING IMMEDIATELY.
 MURDOCH ENGINEERING WILL NOT BE PERFORMING ON-SITE INSPECTIONS OR PROPERTY OWNER TO IDENTIFY EXISTING CONDITIONS AND CONTACT MURDOCH ENGINEERING WITH ANY DISCREPANCIES OR CONCERNS
- INSTALLER SHALL CONFIRM THE DIAMETER AND THICKNESS OF EXISTING MEMBERS AND NOTIFY MURDOCH ENGINEERING OF ANY DISCREPANCIES.
 INSTALLER SHALL INSPECT AND CONFIRM THE QUALITY OF EXISTING STRUCTURE AS "IN
- GOOD REPAIR". IF THERE ARE ANY INDICATIONS THAT THIS IS NOT THE CASE, INSTALLER
- SHALL CEASE WORK IMMEDIATELY AND NOTIFY MURDOCH ENGINEERING ANY EXISTING INFORMATION SHOWN HAS BEEN FURNISHED BY THE PERSON(S) OR
- COMPANY THIS DOCUMENT WAS PREPARED FOR (SEE TITLE BLOCK), MURDOCH ENGINEERING IN NO WAY CERTIFIES THIS INFORMATION A "AS-BUILT". IF THERE IS ANY REASON TO BELIEVE THE EXISTING CONDITIONS DETAILED HEREIN ARE NOT ACCURATE, MURDOCH ENGINEERING SHALL BE NOTIFIED IMMEDIATELY

SCOPE OF WORK

OR IN WHOLE TO INSTALL GREATER QUANTITIES THAN THOSE SPECIFIED WITHOUT CONSULTING MURDOCH ENGINEERING SHALL VOID ALL PROFESSIONAL LIABILITY AND

SHEET INDEX

NOTES & ELEVATION

ADDITIONAL NOTES

SYMBOLS



CONCRETE

SAND (UNO.)

FARTH



The designs, details and specifications contained in this drawing are confidential. The recipients of this drawing hereby acknowledge and agree that it is the sole property of Murdoch Engineering and that they shall neither use nor reveal any of the designs, details and specifications contained in this drawing, outside of the contractual agreement expressed written permission from Murdoch Engineering.

Deviations from this drawing shall not be made without consulting Murdoch Engineering. In case of incongruities between drawings, specifications, and details included in contract documents, Murdoch Engineering shall decide which indication must be followed and their decision shall be final.

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City Of Portland

Date: 07/06/22

Permit #. 22-140252-000-00-SG

0.95

0.85

26.58

0.85

1.80

6.3

MURDOCH ENGINEERING

h

S =

В

=

27

4.34

0.00

0.17 kips

ft-kips

ft-kips

= OK

= OK

p =

M

29.85 psf

Height of top

DESIGN SUMMARY

ANALYSIS

Velocity pressure

 $p = q_h G C_f * 0.6=$

 $F = p A_s$

Max horizontal wind pressure

Max torsion at centroid of base

 $q_h = 0.00256 K_h K_{zt} K_d V^2 I$

h = height of top

 $A_s = B s$

M = F (h - 0.5s) for sign, F (0.55h) for wall

where: G = gust effect factor. (Sec. 6.5.8, page 26).

C_f = net force coefficient. (Fig. 6-20, page 73)

Max total horizontal force at centroid of base

Max bending moment at centroid of base

Horizontal dimension

Vertical dimension (for wall, s = h)

where: q_h = velocity pressure at mean roof height, h. (Eq. 29.3-1 page 307 & Eq. 30.3-1 page 316)

Wind Force Case A: resultant force though the geometric center (Sec. 29.4.1 & Fig. 29.1-1)

K_d = wind directionality factor. (Tab. 26.6-1, for building, page 250)

Risk Category =

Allowable tension:

K_h = velocity pressure exposure coefficient evaluated at height, h, (Tab. 29.3-1., pg 310)

CONNECTION CALCULATIONS Wind Pressure = 27psf @ uL V= 120 sL V =93mph

Wind Load @ TOS 27ft. = 171 lbs (Max.)

Check Connection at Building Wall

Maximum tension force on top fasteners

((((171)x(1.25))+((93.8)x(0.38)))/(2.50)*sF1.0 = 99.70 (Actual =99.70)

Total Fasteners = (2 Rows x 1 Fasteners) = 2.00 Total

1/4" Tapcon Anchor embd. 1-3/4" into min. 6" solid concrete

Allowable Per/Fastener: (Tension = 505.0 / Shear = 418)

Applied Load 0.10kips < 0.51kips Fastener Total = 0.41Kips Minimum Fasteners @ Top Edge = (1) x (2) Rows = (2)

Actual Per/Fastener Shear = 56 < 418 lbs.Allowable Pe

Actual Tension = 100 lbs. < 505.0 lbs.Allowable

26.58 ft

57 psf

0.36 kips

9.04 ft-kips

0.09 ft-kips

2.5

murdochengineering.com (973) 570-8215 2399 NJ-34 A-2 Manasquan, NJ 08736

PREPARED FOR:

Jones Sign

gna S

IBC 2012 with Portland amendment Designed Per OSSC 2019 ASCE 7-10 Minimum Design Loads for Buildings & Other Structure

DESIGN SPECIFICATIONS

DESIGN LOADS

Wind Vult = 120 mph Exposure

NGINEER 92100PE

OREGON

EXPIRES: 12/31/2022

MANASQUAN, N/ 08736 \$73) 570-8215 X Jere Murdoch, PE

Professional Engli OR PE Lic. #92100PE

NOTES & ELEVATION

MURDOCH

woth 2/4/2022

B

Rivian Exterior Calculations xteri 1st OR 2620 SW Portland,

ACI 318-14 Building Code Requirements for Structural Concrete ANSI/AISC 360-10 Specification for Stuctural Steel Buildings

Risk Cat. Grnd. Snow Pg = 20 psf

ENGINEERING 2399 A-2 NJ-34

Preliminary Structural Checksheet Response

Permi	t #: <u>22-140252-000-00-SG</u>	Date: <u>(0 </u>	9-2022	
Customer name and phone number: TR (evicinte) 503 856-8871 0				
Note: Please number each change in the #' column. Use as many lines as necessary to describe your changes. Indicate which reviewer's checksheet you are responding to and the item your change addresses. If the item is not in response to a checksheet, write customer in the last column.				
#	Description of changes, revision	ons, additions, etc.	Checksheet and item #	
1	page 1.0 has updated strong action.	enginearing	E	
2	S.I B Added Str	ictual Spec.	notes & execution	
3.	Removing 0.0 - 0.4. 4.0 \$ 5.0:	-3.0-2.0.	Romered pages-	
×				

(for office use only)