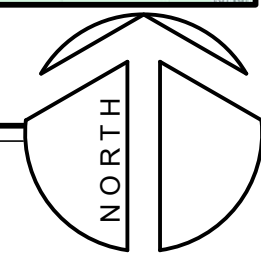


VICINITY MAP

NO SCALE



PROJECT SCOPE

THE FORT BRAGG FIRE STATION LOCATED AT 141 NORTH MAIN ST IN FORT BRAGG IS COMPRISED OF THREE BUILDINGS THAT WERE CONSTRUCTED BETWEEN 1947 AND 1997. THE NORTH WING, CONSTRUCTED IN 1947, HOUSES THE NORTH APPARATUS ROOM AND ADJOINING ROOMS TO THE WEST. IT IS CONSTRUCTED ON UN-REINFORCED MASONRY AND PER THE PUBLIC FACILITIES MASTER PLAN, THERE IS A "CONSIDERABLE RISK OF MAJOR STRUCTURE DAMAGE" TO THIS WING IN THE EVENT OF A MAJOR EARTHQUAKE. IN 2023, A STRUCTURAL AND ARCHITECTURAL ANALYSIS WAS CONDUCTED AND DETERMINED THAT THE COST OF REHABILITATION WAS SIMILAR TO THE COST OF NEW CONSTRUCTION, THUS IT WAS DECIDED NEW CONSTRUCTION WOULD BE A BETTER USE OF FUNDS. WHITCHURCH ENGINEERING IS PROVIDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DESIGN FOR THE NEW BUILDING. THE NEW BUILDING WILL MATCH SIZE AND LOCATION, AS MUCH AS POSSIBLE, AND BE ARCHITECTURALLY DESIGNED TO BE FUNCTIONAL FOR FORT BRAGG FIRE DEPARTMENT'S OPERATIONS.

PROJECT DATA

PROJECT ADDRESS: 151 MAIN ST. FORT BRAGG, CA. 95437
 APN: 008-161-13-00
 ZONING: COMMERCIAL
 JURISDICTION: MENDOCINO COUNTY
 BUILDING CODES: 2022 CBC, CEC, CPC, CFC, AND ENERGY CODE
 BUILDING OCCUPANCY: B, S-1
 BUILDING ALLOWABLE HEIGHT: 60' (SPRINKLERED)
 ALLOWABLE STORIES: (2)
 BUILDING AREA VS ALLOWABLE AREA: 27,000 S.F. FOR BOTH S-1 & B.
 OCCUPANT LOAD: (14) S-1 OCCUPANCY, (5) B OCCUPANCY
 SPRINKLERED: YES
 CONSTRUCTION TYPE: VB
 REQUIRED EXITS: (1) REQUIRED, (3) PROVIDED
 BUILDING SQUARE FOOTAGE: 2,861 S.F. @ 14' PLATE HT., 1,770 S.F. @ 10' PLATE HT., 4,631 S.F.
 TOTAL:

DESIGN CRITERIA:

- CODES & STANDARDS
2022 CALIFORNIA BUILDING CODE
- VERTICAL LOADS:
ROOF DEAD=18 psf (15 +3 SOLAR)
ROOF LIVE=20 psf
WALLS:
INTERIOR=10 psf
EXTERIOR=18 psf
- LATERAL LOADS:
SEISMIC EQUIVALENT LATERAL FORCE PROCEDURE FOR BEARING WALL SYSTEMS
 $V=C_e \cdot W$ $C_e=S_{pg}/(R/I_e)$
DESIGN SPECTRAL RESPONSE ACCELERATION: $S_{pg}=1.205$
RISK CATEGORY: IV
SEISMIC DESIGN CATEGORY: D
SITE CLASS= D
R=6.5 - LIGHT FRAMED WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE.
WIND: BASIC WIND SPEED=105 MPH
EXPOSURE CATEGORY= C

SHEET INDEX

- T1 VICINITY MAP / EAST ELEVATION
- A1 FLOOR PLAN / ROOF PLAN
- A2 ELEVATIONS
- A3 ACCESSIBLE RESTROOM / ROOM ELEVATIONS
- A4 OCCUPANCY PLAN / EXITING PLAN
- S0 STRUCTURAL NOTES / TYPICAL DETAILS
- S1 FOUNDATION PLAN / CEILING FRAMING PLAN
- S2 ROOF FRAMING PLAN / DETAILS
- S3 BUILDING SECTIONS / DETAILS
- M1 MECHANICAL PLAN
- E1 ELECTRICAL PLAN
- E2 SCHEDULES & 1 - LINE DIAGRAM
- EP ELECTRICAL VAULT
- L1 LIGHTING PLAN
- P1 PLUMBING PLAN
- P2 SEWER PLAN / PROPANE GAS PLAN

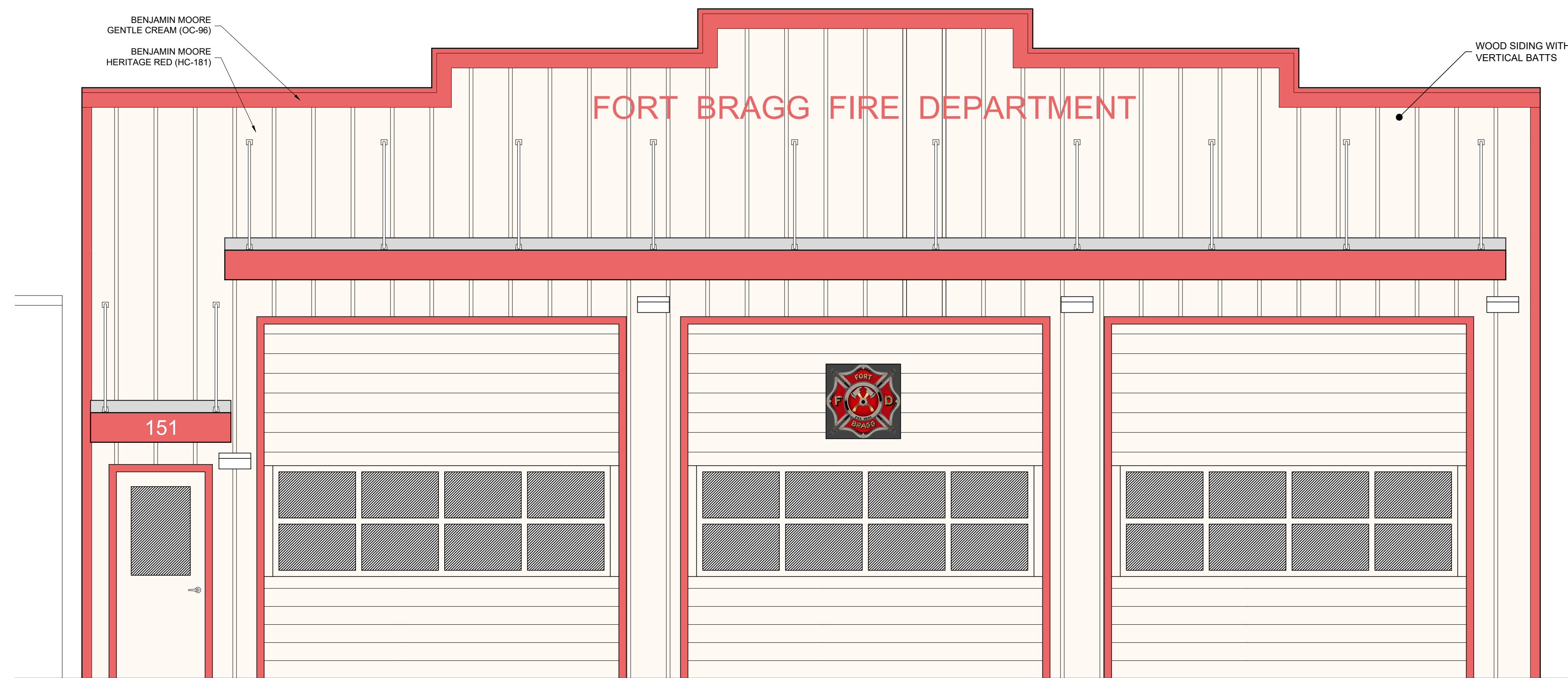
PROJECT ENGINEER: DEREK C. LONG, P.E., PMP
WHITCHURCH ENGINEERING, INC.
610 9th STREET
FORTUNA, CA. 95540
(707) 725-6926
dcl@whitchurchengineering.com

STRUCTURAL ENGINEER: BRETT WHITCHURCH, M.S., P.E.
WHITCHURCH ENGINEERING, INC.
610 9th STREET
FORTUNA, CA. 95540
(707) 725-6926
blw@whitchurchengineering.com

MEP ENGINEER: ERIC T. ALLEN, P.E., M.E.
WHITCHURCH ENGINEERING, INC.
610 9th STREET
FORTUNA, CA. 95540
(707) 725-6926
eta@whitchurchengineering.com

CLIENT: FORT BRAGG VOLUNTEER FIRE DEPARTMENT
141 MAIN ST
FORT BRAGG, CA. 95434

FORT BRAGG VOLUNTEER FIRE DEPARTMENT FIRE STATION RECONSTRUCTION



EAST ELEVATION

SCALE: 3/8"=1'-0"

DEFERRED SUBMITTALS

- FIRE SPRINKLER DESIGN BY LICENSED C-16 CONTRACTOR TO BE PROVIDED BY PRIME.
- TRUSS CALCULATIONS & DRAWING TO BE PROVIDED w/100% SUBMITTAL.
- PLANNING AND COASTAL PERMITTING BEING PERFORMED BY CITY OF FORT BRAGG CONCURRENTLY WITH DEVELOPMENT OF BUILDING PLANS.

ABBREVIATIONS

AC	ASPHALT CONCRETE	<P>	PROPOSED
AGG.	AGGREGATE	P.S.I.	POUNDS PER SQUARE INCH PUBLIC
APPROV.	APPROVED	PUE	UTILITY EASEMENT
BW	BACK OF WALK	RCP	REINFORCE CONCRETE PIPE
BO	BLOW-OFF	RD.	ROAD
CATV	CABLE TELEVISION	R/W	RIGHT OF WAY
CC	CONCRETE	SD	STORM DRAIN
CL	CENTERLINE	S.F.	SQUARE FOOT
CO	CLEANOUT	SHT.	SHEET
CONC.	CONCRETE	SS	SANITARY SEWER
DI	DRAINAGE INLET	SSCO	SANITARY SEWER CLEANOUT
<E>	EXISTING	SSMH	SANITARY SEWER MANHOLE
EL	ELEVATION	SD	STORMDRAIN
ELEC.	ELECTRICAL	SO.	SQUARE
EP	EDGE OF PAVEMENT	TR	TELEPHONE VAULT
EV	ELECTRICAL VAULT	STD.	STANDARD
EXIST.	EXISTING	SWK.	SIDEWALK
FF	FINISHED FLOOR	T.B.M.	TEMPORARY BENCH MARK
FH	FIRE HYDRANT	TBR	TO BE REMOVED
FL	FLOW LINE	TC	TOP OF CURB
GD	GROUND	TOG	TOP OF GRATE
GM	GAS METER	TYP.	TYPICAL
IP	IRON PIPE	THK.	THICK
JP	JOINT UTILITY POLE	UTIL.	UTILITY
JB	JUNCTION BOX	W	WATER
HP	HIGH POINT	W/	WITH
HT.	HEIGHT	WM	WATER METER
MH	MANHOLE	WV	WATER VALVE
MIN.	MINIMUM		
<N>	NEW		
P.P.	POWER POLE		
PL	PROPERTY LINE		

GENERAL NOTES

- ALL CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE, 2022 EDITIONS OF THE CALIFORNIA ELECTRICAL AND FIRE CODES, AND ALL APPENDICES THERETO, CALTRANS STANDARD PLANS & SPECIFICATIONS, LATEST EDITION.
- THE CONTRACTOR SHALL PROVIDE WORKMANS COMPENSATION INSURANCE & LIABILITY INSURANCE.
- THE CONTRACTOR SHALL GUARANTEE ALL LABOR AND MATERIAL FOR A MINIMUM OF ONE YEAR.
- THE GENERAL CONTRACTOR SHALL VERIFY ALL THE SITE CONDITIONS AND DIMENSIONS BEFORE STARTING WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
- FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL AND SHALL APPLY GENERALLY THROUGHOUT SIMILAR CONDITIONS.
- DETAILS SHOWN ON TYPICAL DETAIL SHEETS SHALL BE USED WHENEVER APPLICABLE, UNLESS OTHERWISE SHOWN. SPECIFIC DETAILS ON THE STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER TYPICAL DETAILS. SPECIFIC NOTES SHOWN ON THE STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES. NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER SPECIFICATIONS.
- ALL CONDITIONS SHOWN OR NOTED AS EXISTING ARE BASED ON BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS. NO WARRANTY IS IMPLIED AS TO THEIR ACCURACY.
- ALL BUILDING MATERIAL SHALL BE NEW MATERIAL, UNLESS OTHERWISE APPROVED OR SPECIFIED BY ENGINEER.
- CONTRACTORS SHALL VERIFY EASEMENTS (PUBLIC OR PRIVATE) FOR SEWER, WATER, ELECTRICAL, TELEPHONE, CABLE T.V., AND GAS PRIOR TO STARTING CONSTRUCTION.
- WHERE DIMENSIONS ARE SHOWN ON THE PLANS, THEY SHALL GOVERN OVER SCALE. DO NOT SCALE DRAWINGS. IN THE EVENT OF CONTRADICTION, USE THE MOST STRINGENT SPECIFICATION AND NOTIFY THE ENGINEER.
- THE CONTRACTOR SHALL COMPARE ALL PAGES OF THE PLANS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
- THE DESIGN CONSULTANTS ASSUMES NO RESPONSIBILITY FOR THE PERFORMANCE OF PRODUCTS OR MATERIALS NOT SPECIFIED IN THESE DRAWINGS.
- ACCEPT NO INK OR PENCIL CORRECTIONS TO THESE DRAWINGS WITHOUT THE OWNER'S REPRESENTATIVE INITIAL OR SIGNATURE. THE DESIGN CONSULTANTS SHALL BE HELD HARMLESS FOR ALL CHANGES NOT IN CONFORMANCE WITH THIS PROVISION.
- ALL USERS OF THESE DRAWINGS AGREE BY USING THESE DRAWINGS TO HOLD THE DESIGN CONSULTANTS HARMLESS FOR ANY AND ALL WORK THAT DOES NOT CONFORM TO THE REQUIREMENTS AND MINIMUM STANDARDS OF THE C.B.C., ORDINANCES, AND ACCEPTABLE STANDARDS.
- THESE DRAWINGS ARE THE PROPERTY OF THE DESIGN CONSULTANTS AND ARE NOT TO BE USED IN PART FOR ANY WORK OTHER THAN THE LOCATION SHOWN HEREON.
- THE DESIGN CONSULTANTS AND THE OWNER SHALL HAVE NO CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES FOR ANY SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
- THE CONTRACTOR SHALL COMPLY WITH ALL OF THE APPLICABLE REQUIREMENTS OF THE FEDERAL WILLIAMS - STEIGER OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) OF 1970' AND ANY AMENDMENTS THERETO. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, THE ENGINEER OR THE CITY OF FORT BRAGG BUILDING DEPARTMENT.
- CONTRACTORS SHALL VERIFY EASEMENTS (PUBLIC OR PRIVATE) FOR SEWER, WATER, ELECTRICAL, TELEPHONE, CABLE T.V., AND GAS PRIOR TO STARTING CONSTRUCTION.
- WHERE DIMENSIONS ARE SHOWN ON THE PLANS, THEY SHALL GOVERN OVER SCALE. DO NOT SCALE DRAWINGS. IN THE EVENT OF CONTRADICTION, USE THE MOST STRINGENT SPECIFICATION AND NOTIFY THE ENGINEER.
- THE CONTRACTOR SHALL COMPARE ALL PAGES OF THE PLANS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
- UPON COMPLETION OF THE PROJECT, THE CONTRACTOR AND

90% SUBMITTAL

THESE PLANS ARE ORIGINALLY PRINTED ON 22"x34" PAPER.



REVISIONS	BY

PLAN REVIEW
NOT FOR
CONSTRUCTION

WHITCHURCH ENGINEERING, INC.
610 9th Street Fortuna, California 95540
Phone (707) 725-6926

FORT BRAGG VOLUNTEER FIRE DEPARTMENT
NEW FIRE STATION RECONSTRUCTION
APN: 008-161-13-00
Site Address: 141 Main Street Fort Bragg, CA. 95437
VICINITY MAP / NOTES
Fort Bragg Volunteer Fire Department 141 Main Street Fort Bragg, CA. 95437

Date	MAY 1 '24
Scale	AS NOTED
Design	DCL
Drawn	GKK
Job	CFB2301
Sheet	T1

This drawing or drawing set shall not be used for construction unless a jurisdictional stamp (County, City, State, Federal) has been issued on the drawing, stating "FOR PERMIT" or similar verbiage, a wet signed professional engineer's stamp, and permit documents have been issued for the project.

252.73"
FORT BRAGG FIRE DEPARTMENT 9.0"

The measurements above are accurate within plus or minus 15%.

Does your sign have a max width not to exceed?

Step 1:

Choose your letters

Letter Size:

[Help](#)

9.0 inch

Enter your letters:

FORT BRAGG FIRE DEPARTMENT

Font: Architectural

This font is only available in upper case

ARCHITECTURAL
ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890.-/
(Lower Case Not Available) E

Arial

Step 2:

Choose your material and finish

Material:

[Help](#)

Aluminum

Finish: Baked Enamel Paint



Brushed



Baked Enamel Paint



Step 3:

Choose your mounting

Mounting Options:

[Help](#)

Stud and Spacer (paper install template include)

Stud Length:

2.5 inch

Spacer / Stand Off:

1/4 inch

Subtotal: **\$1,309.80**