

NEW BUILDING FOR:

LEGGETT BUILDING #1

29 Draughn Rd, Tarboro, NC 27886

2018 APPENDIX B BUILDING CODE SUMMARY

Name of Project:New Building, Leggett Building #1

Address: 29 Draughn Rd., Tarboro, NC

Zip Code: 27886

Owner or Authorized Agent:DAVID COKER

Phone #: 252.933.4867

E-Mail: david@charter.com

Owned by:City / County

Private

County: Edgecombe

State: North Carolina

Code Enforcement Jurisdiction:29 Draughn Rd., Tarboro

29 Draughn Rd., Tarboro

CONTACT:Robert S. Bartlett P.E.

DESIGNER

FIRM

NAME

LICENSE #

TELEPHONE #

E-MAIL

Building

Bartlett Engineering & Surveying, PC

Robert S. Bartlett

20106

252.390.0704

robert@bartletteng.com

Civil

Bartlett Engineering & Surveying, PC

Robert S. Bartlett

20106

252.390.0704

robert@bartletteng.com

Electrical

Bartlett Engineering & Surveying, PC

Robert S. Bartlett

20106

252.390.0704

robert@bartletteng.com

Fire Alarm

Bartlett Engineering & Surveying, PC

Robert S. Bartlett

20106

252.390.0704

robert@bartletteng.com

Mechanical

Bartlett Engineering & Surveying, PC

Robert S. Bartlett

20106

252.390.0704

robert@bartletteng.com

Specialty/Structure

By Building Manufacturer

Struct - Metal Bldg.

Struct - Framing

Structural - Foot

Bartlett Engineering & Surveying, PC

Robert S. Bartlett

20106

252.390.0704

robert@bartletteng.com

Other

2018 NC BUILDING CODE

☒ New Building

☐ Addition

☐ Renovation

☐ Additions

☐ Alterations

☐ Change of occupancy

☐ Change of use

☐ Additions

☐ Alterations

☐ Change of occupancy

☐ Change of use

☐ Additions

☐ Alterations

☐ Change of occupancy

☐ Change of use

2018 NC EXISTING BUILDING CODE

☐ Repair

☐ Alterations

☐ Change of occupancy

☐ Historic

☐ Alterations Level 1

☐ Alterations Level II

☐ Additions

☐ Repairs

☐ Historic

☐ Change of use

☐ Repair

☐ Alterations

☐ Change of occupancy

☐ Historic

☐ Alterations Level 1

☐ Alterations Level II

☐ Additions

☐ Repairs

☐ Historic

☐ Change of use

CONSTRUCTOR: (date)

PROPOSED (ISO) (Ch. 3)

REVISED: (date)

CURRENT (ISO) (Ch. 3)

RISK CATEGORY: (Table 1004.3)

Current: ☐ I ☐ II ☐ III ☐ IV

Proposed: ☐ I ☐ II ☐ III ☐ IV

BASIC BUILDING DATA

☐ I-A

☐ I-B

☐ I-C

☐ I-D

☐ I-E

☐ I-F

☐ I-G

☐ I-H

☐ I-I

☐ I-J

☐ I-K

☐ I-L

☐ I-M

☐ I-N

☐ I-O

☐ I-P

☐ I-Q

☐ I-R

☐ I-S

☐ I-T

☐ I-U

☐ I-V

☐ I-W

☐ I-X

☐ I-Y

☐ I-Z

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

☐ I-AY

☐ I-AZ

☐ I-AA

☐ I-AB

☐ I-AC

☐ I-AD

☐ I-AE

☐ I-AF

☐ I-AG

☐ I-AH

☐ I-AI

☐ I-AJ

☐ I-AL

☐ I-AM

☐ I-AN

☐ I-AO

☐ I-AP

☐ I-AQ

☐ I-AR

☐ I-AS

☐ I-AT

☐ I-AU

☐ I-AV

☐ I-AW

☐ I-AX

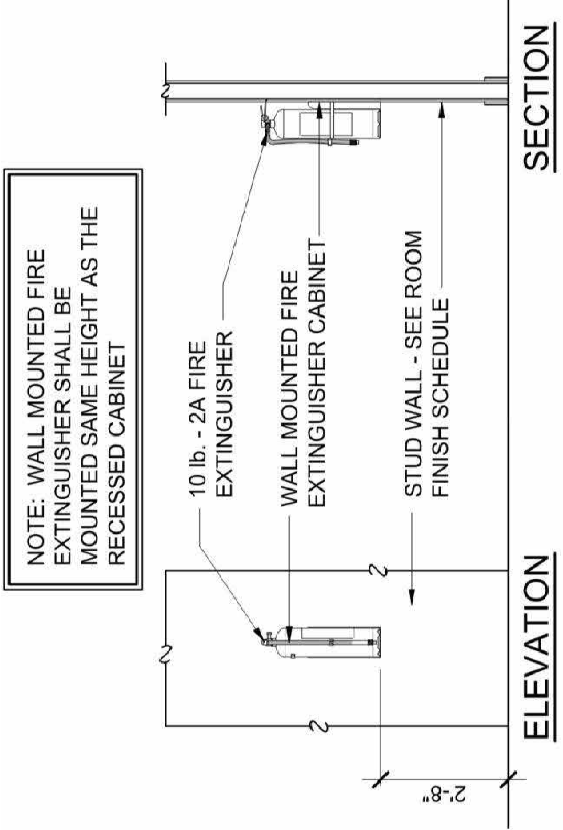
☐ I-AY

☐ I-AZ

<

OCCUPANT DOOR LOAD DATA									
DOOR NUMBER	REID EXIT	CLEAR WIDTH	EGRESS WIDTH FOR OCCUPANT	MAX. OCCUPANT LOAD	ACTUAL OCCUPANT LOAD	PERCENTAGE OF CAPACITY	PANIC HARDWARE REQ'D	DELAYED EGRESS LOCKS	AMOUNT OF TIME DELAY
1	YES	34"	0.2'	22	11	100%	NO	NO	N/A
2	YES	34"	0.2'	22	11	100%	NO	NO	N/A
13	YES	34"	0.2'	22	11	100%	YES	NO	N/A
ALL OTHER DOORS ARE NOT REQUIRED EXITS									

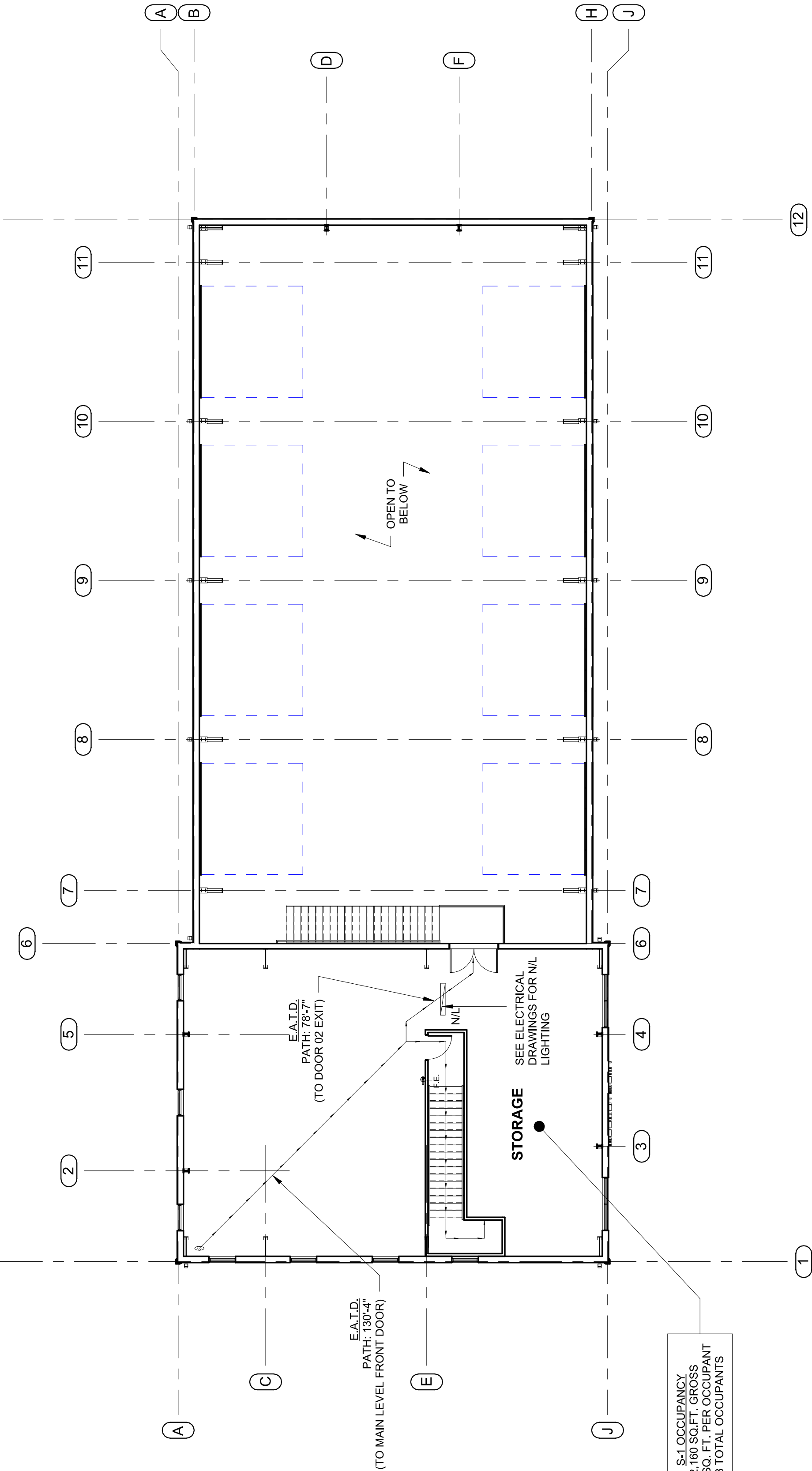
LEGEND	
SYMBOL	DESCRIPTION
FE AND/OR FEC	ABC TYPE FIRE EXTINGUISHER
→	ROUTE OF EXIT ACCESS TRAVEL DISTANCE
↻	PROPOSED COMBINATION EXIT AND EMERGENCY LIGHT
EM	PROPOSED EMERGENCY LIGHT WITH BATTERY BACKUP, 120V
N/L	PROPOSED LED LIGHTING STRIP W/ FLAT DIFFUSE CLEAR LENS



DETAIL
FIRE EXTINGUISHER

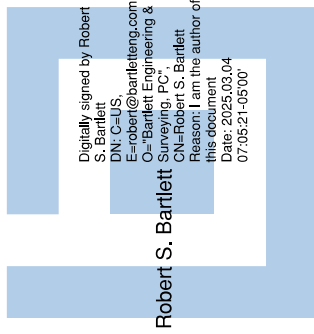
SCALE: 1/4" = 1'-0"

WALL MOUNTED



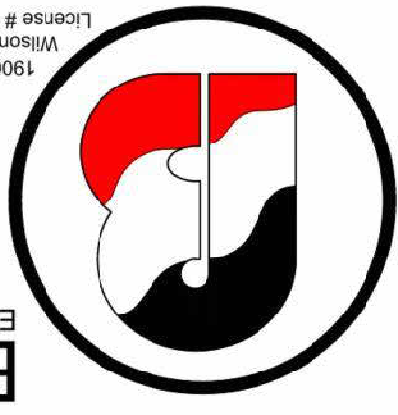
MEZZANINE LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"



Owner: David Coker
Legget Volunteer Fire Dept.
29 Draughn Road
Tarboro, NC 27886

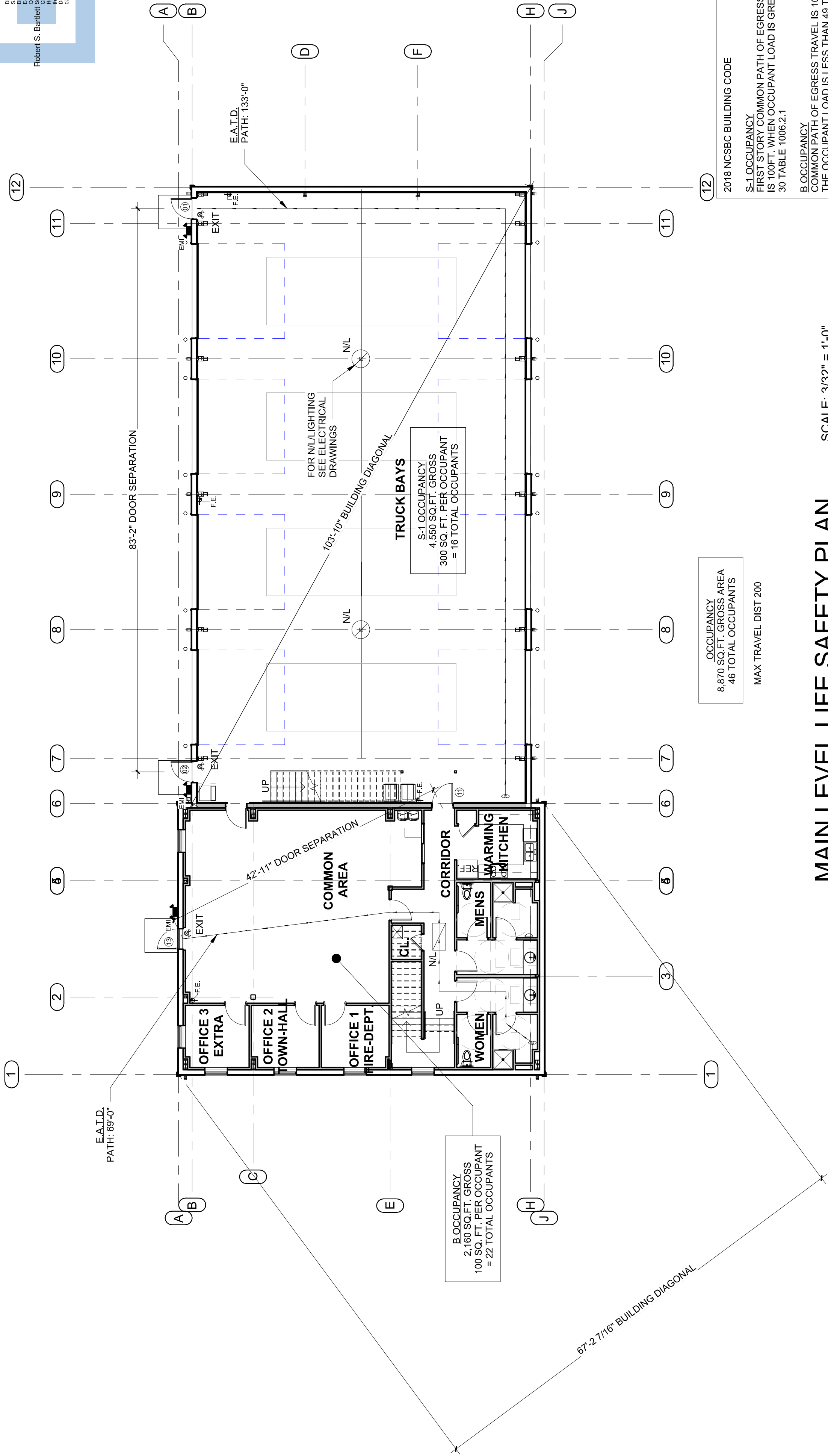
BARTLETT
ENGINEERING & SURVEYING, PC
1906 Nash Street North
Wilson, NC 27883-1728
V (252) 599-0704
F (252) 599-0804
www.bartletteng.com



Rev: _____ Date: _____ Description: _____

LIFE SAFETY PLAN
Building One
29 Draughn Rd, Tarboro, NC 27886

Drawn by: CGL
Issue Date: 02/10/2025
Project Number: 24-034
Sheet: LS-1

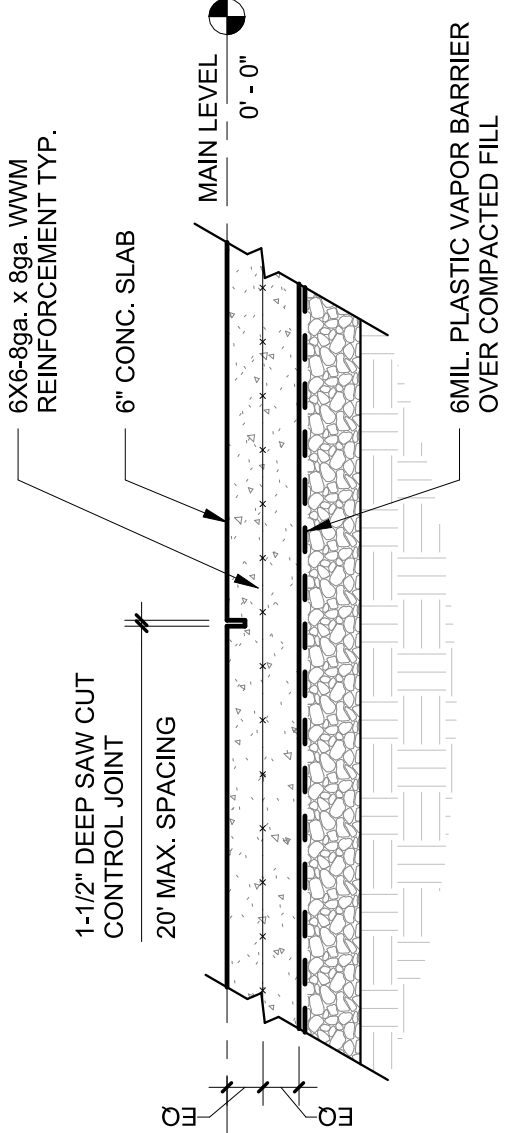


MAIN LEVEL LIFE SAFETY PLAN

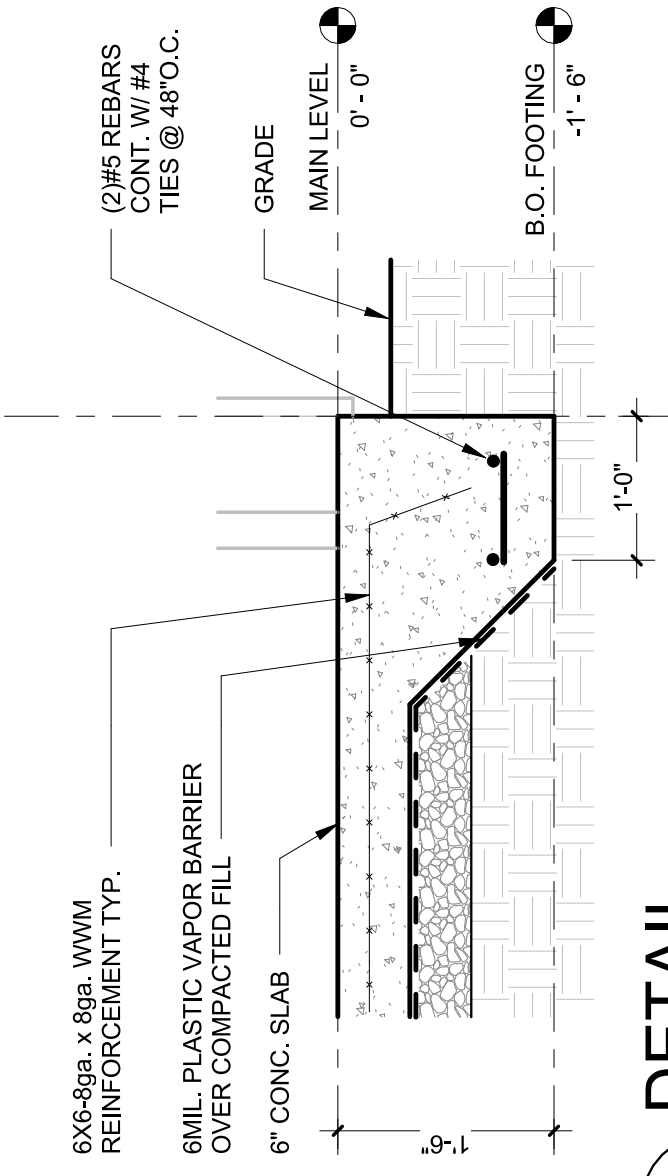
SCALE: 3/32" = 1'-0"

2018 NCSBC BUILDING CODE
S-1 OCCUPANCY
FIRST STORY COMMON PATH OF EGRESS TRAVEL IS 100FT. WHEN OCCUPANT LOAD IS GREATER THAN 30 TABLE 1006.2.1
B OCCUPANCY
COMMON PATH OF EGRESS TRAVEL IS 100FT. WHEN THE OCCUPANT LOAD IS LESS THAN 49 TABLE 1006.2.1

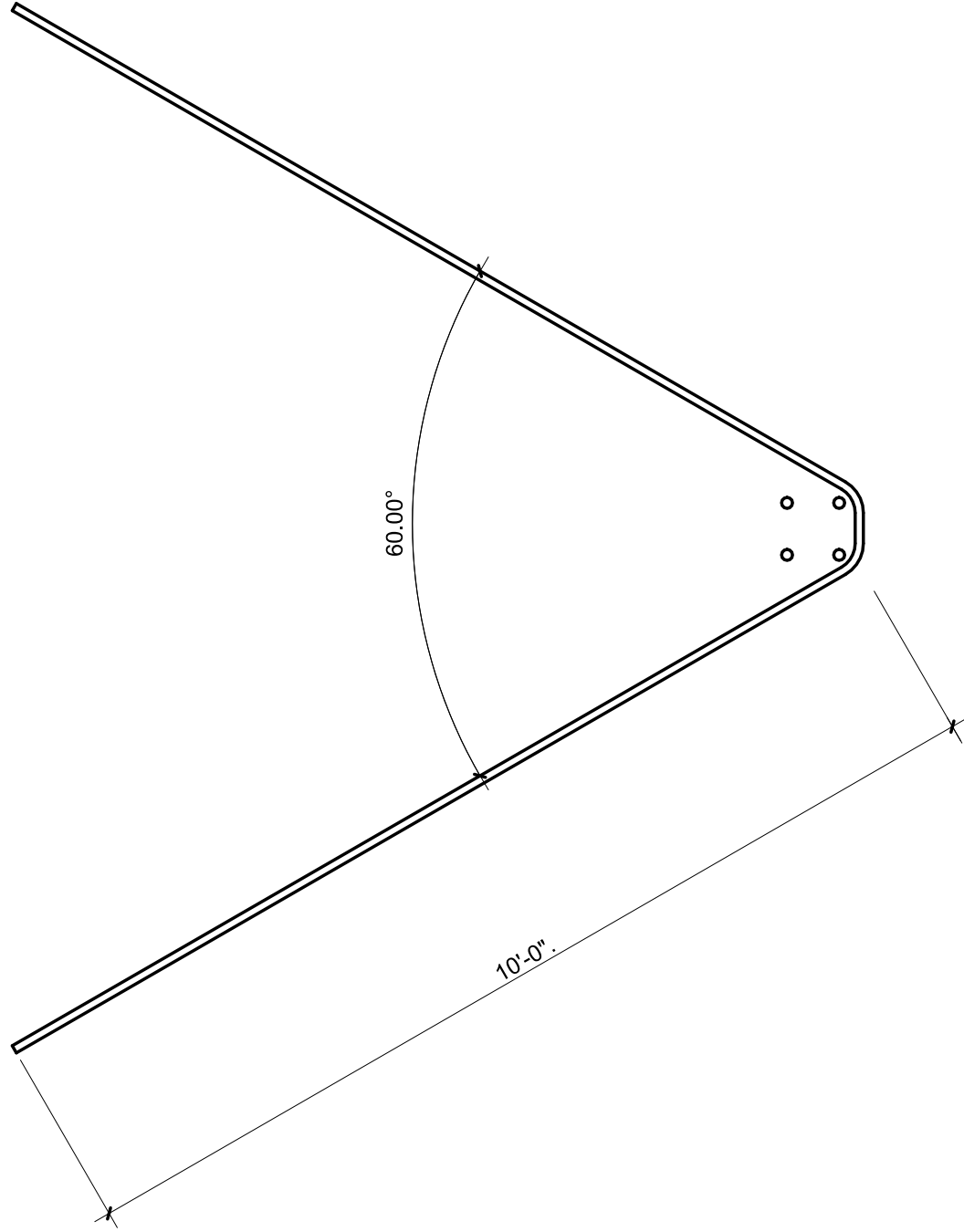
NOTE:
SAW JOINT SHALL BE MADE AS SOON AS CONCRETE
HAS GAINED SUFFICIENT STRENGTH TO RETAIN
AGGREGATE AGAINST THE SAWING ACTION OR AT
8 HOURS MAXIMUM AFTER PLACEMENT.



1
S-1
DETAIL
TYP. CONTROL JOINT
SCALE: N.T.S.



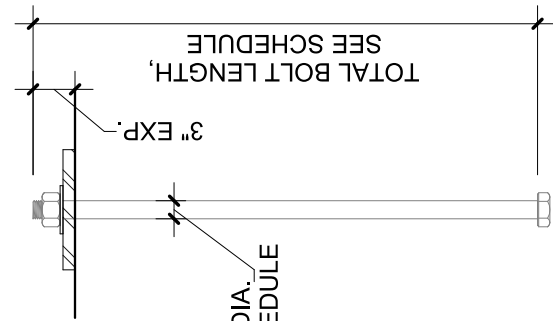
2
S-1
DETAIL
TYP. TURN-DOWN FOOTING AT PERIMETER
SCALE: N.T.S.



1 - #4 x 20'-0" REBAR HAIRPIN AT COLUMNS AS
SHOWN HAIRPIN TO BE BENT @ 60 DEG.,
PLACED BEHIND EMBEDDED ANCHOR BOLTS

3
S-1
DETAIL
TYP. HAIRPIN TIE
SCALE: N.T.S.

ANCHOR BOLT PLACEMENT
DRAWINGS
FOR ANCHOR BOLT PLACEMENT



MARK	ANCHOR BOLT DESCRIPTION	BOLT PROJ.
	1/2" x 6-1/2" F1554 MACHINE BOLT	1'-1/2"
	3/4" x 16" F1554 MACHINE BOLT	3"
	1" x 20" F1554 MACHINE BOLT	3"
	1'-1/2" x 26" F1554 MACHINE BOLT	3"

1. ANCHOR BOLT PROJECTIONS ARE FROM THE
TOP OF THE CONCRETE FOOTING
2. ANCHOR BOLT DIAMETER SIZE AND PATTERN PER
METAL BUILDING MANUFACTURER.
3. ANCHOR BOLTS TO BE GRADE 36 OR STRONGER.

4
S-1
DETAIL
TYP. ANCHOR BOLT FOR METAL BUILDING FRAME
SCALE: N.T.S.

DESCRIPTION	
SYMBOL	DESCRIPTION
(A)	TYPICAL FOOTING: 3'-0" x 3'-0" x 1'-8" DEEP CONCRETE FOOTING W/ (4) #6 REBARS, EACH WAY, EQUALLY SPACED, TOP & BOTTOM (2 MATS) MIN. 3" CONCRETE COVERAGE
(B)	TYPICAL FOOTING: 5'-0" x 5'-0" x 1'-8" DEEP CONCRETE FOOTING W/ (6) #6 REBARS, EACH WAY, EQUALLY SPACED, TOP & BOTTOM (2 MATS) MIN. 3" CONCRETE COVERAGE
(C)	TYPICAL FOOTING: 8'-0" x 8'-0" x 1'-8" DEEP CONCRETE FOOTING W/ (7) #6 REBARS, EACH WAY, EQUALLY SPACED, TOP & BOTTOM (2 MATS) MIN. 3" CONCRETE COVERAGE

NOTES:
1. SEE METAL BUILDING DRAWINGS FOR ANCHOR BOLT DIAMETERS & PATTERN. SEE DETAIL 4 FOR LENGTHS.

GENERAL NOTES:

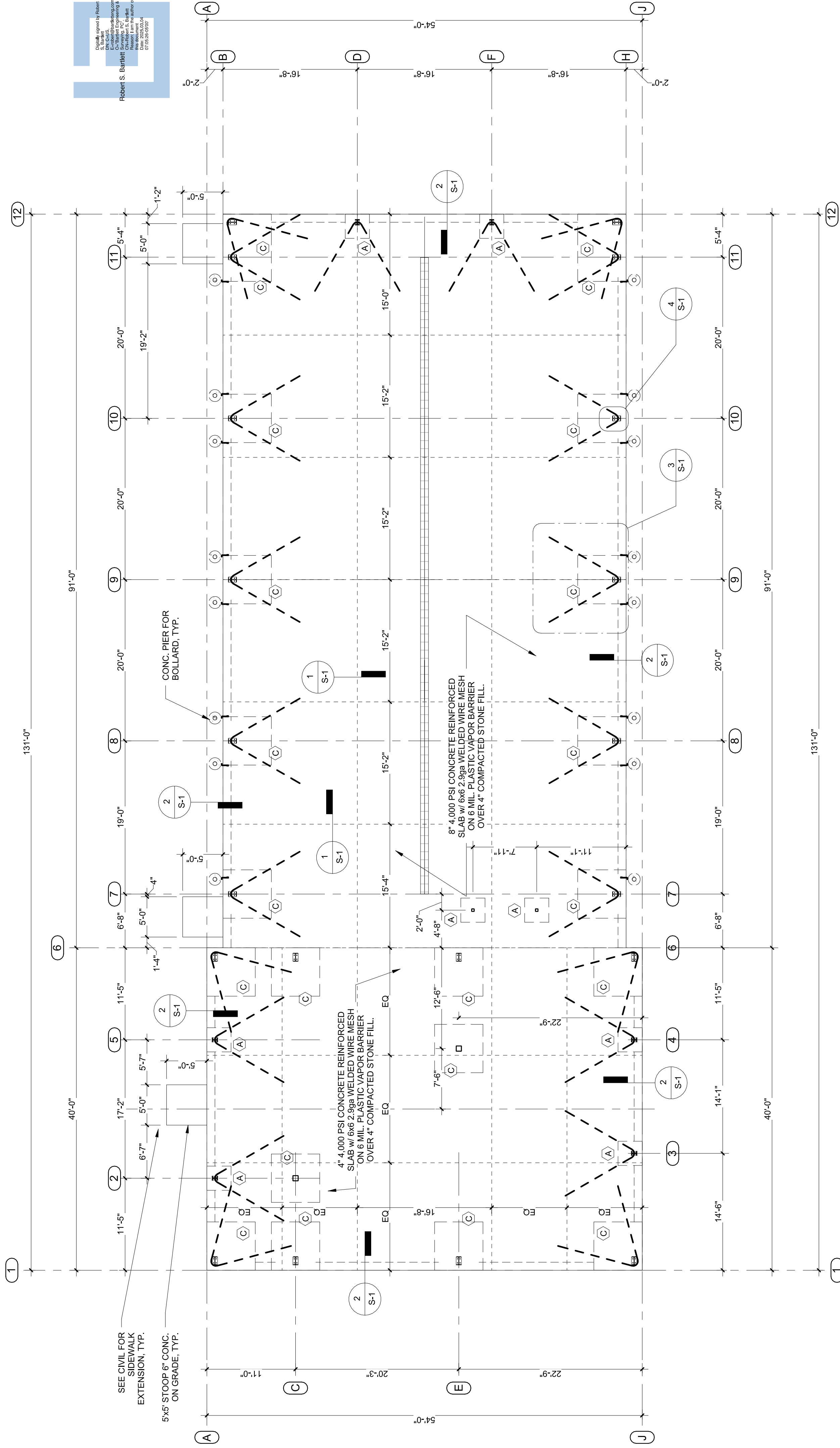
- ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE STATEWIDE BUILDING CODE AND TO THE SPECIFICATIONS AND STANDARDS OF THE LOCAL BUILDING INSPECTIONS OFFICE.
- CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS FROM THE EXISTING TO THE PROPOSED. ANY DISCREPANCY BROUGHT TO THE ATTENTION OF THE DESIGNER.
- OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF SUBGRADE CONDITIONS.
- FOOTINGS ARE DESIGNED FOR SOIL HAVING A MINIMUM BEARING OF 2000 P.S.F. AND IN ACCORDANCE WITH ACI 318-14.
- ALL CONCRETE TO BE NORMAL WEIGHT CONCRETE WITH 3000 P.S.I. MINIMUM @ 28 DAY STRENGTH.
- WELDED WIRE MESH TO CONFORM TO ASTM A-185 MATERIAL AND HAVE 8" LAPS (IF NEEDED).
- ANCHOR ROD PATTERN PER METAL BUILDING MANUFACTURER AND TO BE MEASURED FROM ACTUAL BASE PLATES. ANCHOR RODS TO HAVE A MINIMUM 3" EDGE DISTANCE.

DESIGN NOTES:

2018 NORTH CAROLINA BUILDING CODE
RISK CATEGORY = I
LIVE LOAD = 20.0 PSF
COLL. LOAD = 10.0 PSF
GROUND SNOW LOAD = 15.0 PSF
DESIGN WIND SPEED FACTOR = 1.00
WIND SPEED = 120 MPH
EXPOSURE = C
INTERNAL PRESSURE COEFFICIENT = +/-0.18
WIND IMPORTANCE FACTOR = 1.00
DESIGN CATEGORY = B
SEISMIC IMPORTANCE FACTOR (IE) = 1.00
Ss = 12.2%g
S1 = 6.2%g
S0.1 = 0.99

REINFORCING STEEL

- Reinforcing bars shall be deformed billet steel bars conforming to (ASTM A - 615) specification.
- MINIMUM YIELD STRENGTH (fy):
- Reinforcing bars -----60,000 psi
- Unless otherwise detailed, protective concrete cover for reinforcing steel shall not be less than:
- (a) Concrete cast against and permanently exposed to earth -----3";
- (b) Concrete cast to earth or against exterior wall -----1-1/2";
- #6 & larger -----2";
- MINIMUM TENSION LAP SPLICE LENGTHS (fc = 3,000psi)
- #4-----25"
#5-----35"
#6-----43"
#8-----52"
#10-----62"
#12-----72"
- WWF laps to 8" minimum. WWF to conform to ASTM A-185



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

FOUNDATION PLAN

David Coker
Legget Volunteer Fire Dept.
29 Draughn Road
Tarboro, NC 27886

Owner:

BARTLETT
ENGINEERING & SURVEYING, PC

1906 Nash Street North
Wilson, NC 27883-1738
License # C-1551
V (222) 599-0704
F (252) 599-0804
www.bartletteng.com

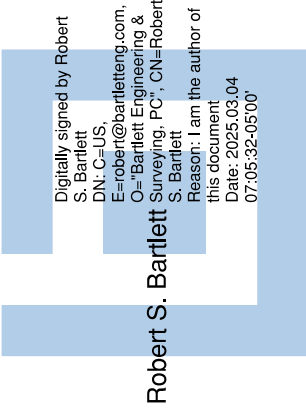


Rev: _____
Date: _____
Description: _____

FOUNDATION PLAN & DETAILS

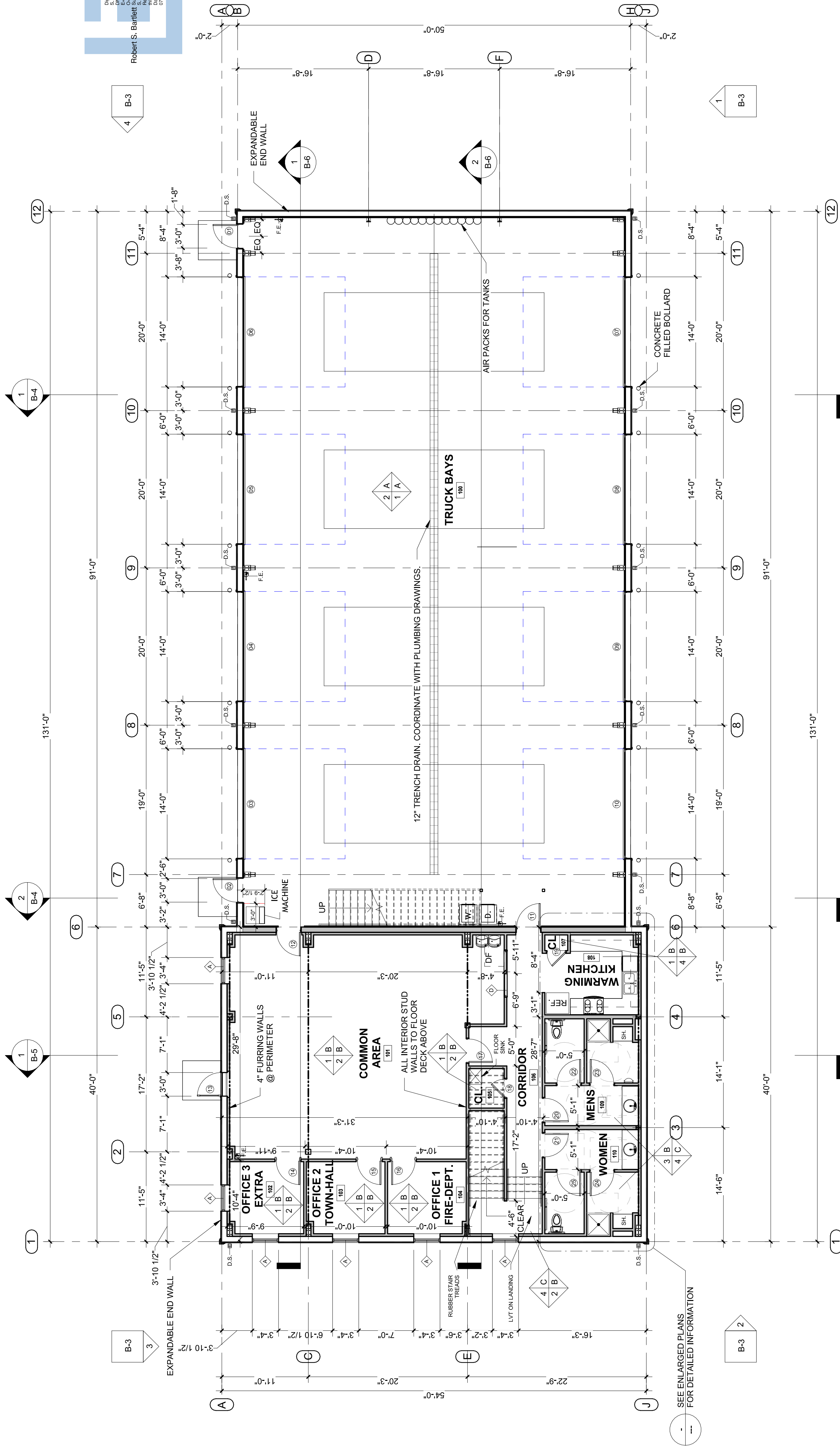
Building One
29 Draughn Rd, Tarboro, NC
27886

Drawn by: CGL
Issue Date: 02/10/2025
Project Number: 24-034
Sheet: S-1



WALL LEGEND	
SYMBOL	
	PROPOSED 362S162-43 STUDS @ 16" O.C. W/ 362T125-43 T&B TRACKS
	PROPOSED 60MS162-43 STUDS @ 16" O.C. W/ 600T125-43 T&B TRACKS
	8" WALL GIRTS W/ METAL PANEL
NOTES: R-11 SOUND BATT INSULATION IN PROPOSED INTERIOR STUD WALLS. R-19 @ EXTERIOR WALLS. R-38 LINER SYSTEM @ OFFICE AREA WALLS. R-38 LINER SYSTEM @ OFFICE ROOF AREA. R-38 LINER SYSTEM OVER TRUCK BAY ROOF AREA. R-18 LINER SYSTEM @ TRUCK BAY WALLS	

ROOM FINISH SCHEDULE					
	FLOOR	BASE	WALLS	CEILING	FLOOR, WALLS, BASE, CEILING
1	POLISHED CONCRETE	A	1 BASE: EXPOSED STRUCTURE ALTERNATE: FULL-HEIGHT LINER PANEL	A	EXPOSED STRUCTURE w/ R38 LINER
2	SEALED CONCRETE	B	2 5/8" GYPSUM PAINTED 3 COATS (1 COAT PRIMER & 2 COATS FINISH) LATEX PAINT, EGGSHELL SHEEN	B	2X2" ACOUSTIC LAY IN CEILING TILE, 8'-0" CEILING HEIGHT
3	LUXURY VINYL TILE	C	3 4" HIGH RUBBER COVE BASE @ LANDINGS	C	MOISTURE RESISTANT 2X2" ACOUSTIC LAY IN CEILING TILE
4	RUBBER TREADS		4 5/8" TYPE "X" IMPACT, MOISTURE, MOLD RESISTANT DRYWALL PAINTED 3 COATS (1 COAT PRIMER & 2 COATS FINISH) W/ LATEX PAINT, EGGSHELL SHEEN, COLOR BY OWNER		
NOTES: 1. ALL FINISH TO BE AS SPECIFIED, UNLESS OTHERWISE NOTED. 2. ALL COLORS OF FINISHES TO BE SELECTED BY OWNER.					



FLOOR PLAN

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

Building One
27886
29 Draughn Rd, Tarboro, NC

FLOOR PLAN

Title Sheet:

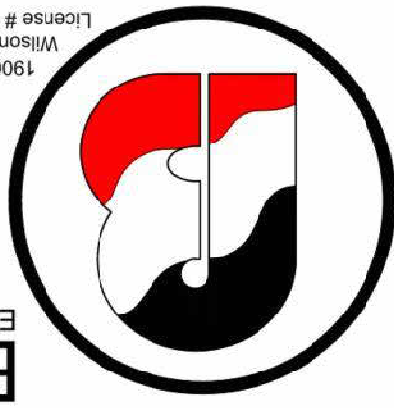
Drawn by: CGL
Issue Date: 02/10/2025
Project Number: 24-034
Sheet: B-1

Rev: _____
Date: _____
Description: _____



BARTLETT
ENGINEERING & SURVEYING, PC
1906 Nash Street North
Tarboro, NC 27883-1728
V (252) 599-0704
F (252) 599-0804
www.bartletteng.com

Owner:
David Coker
Legget Volunteer Fire Dept.
29 Draughn Road
Tarboro, NC 27886

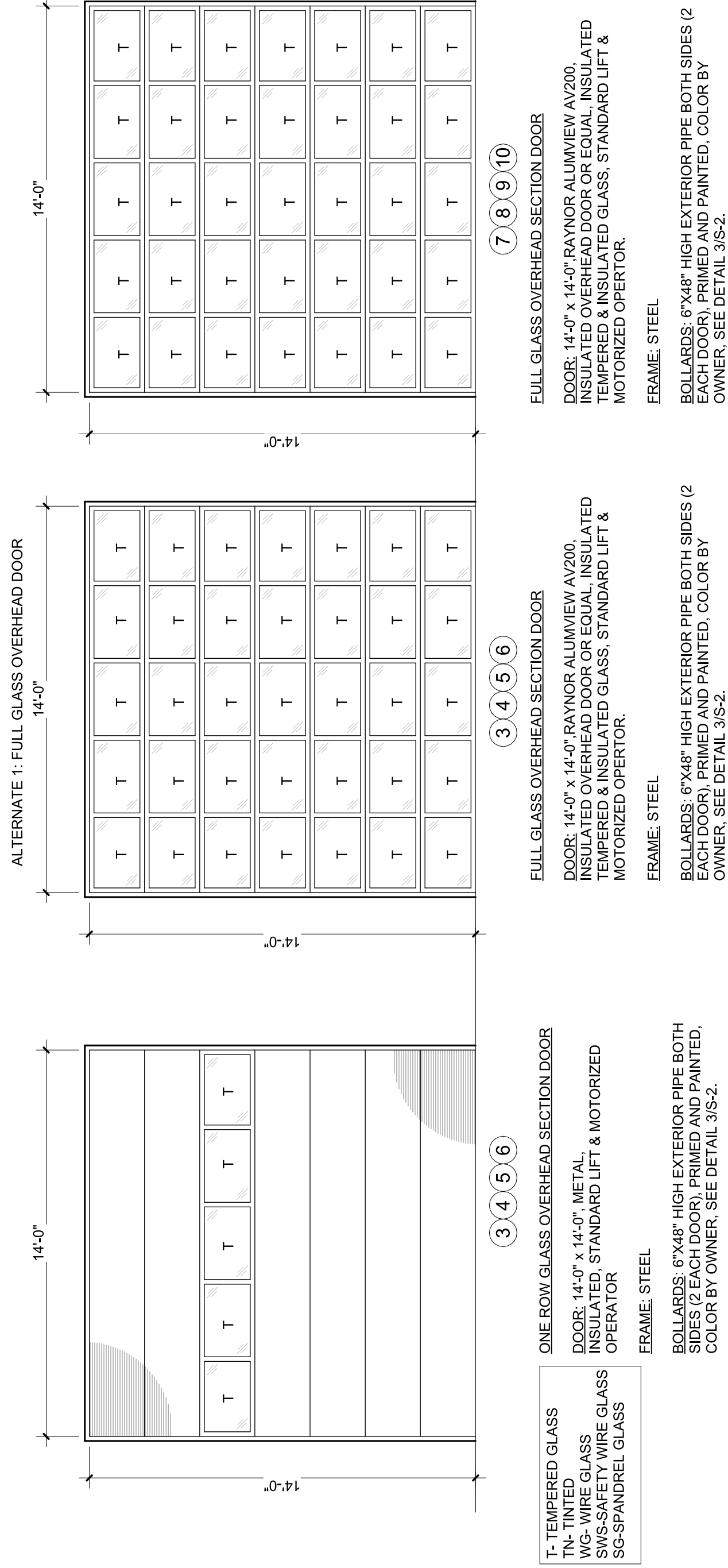


Rev:	Date:	Description:
------	-------	--------------

MEZZ. PLAN, DOOR &
WDW. ELEV.

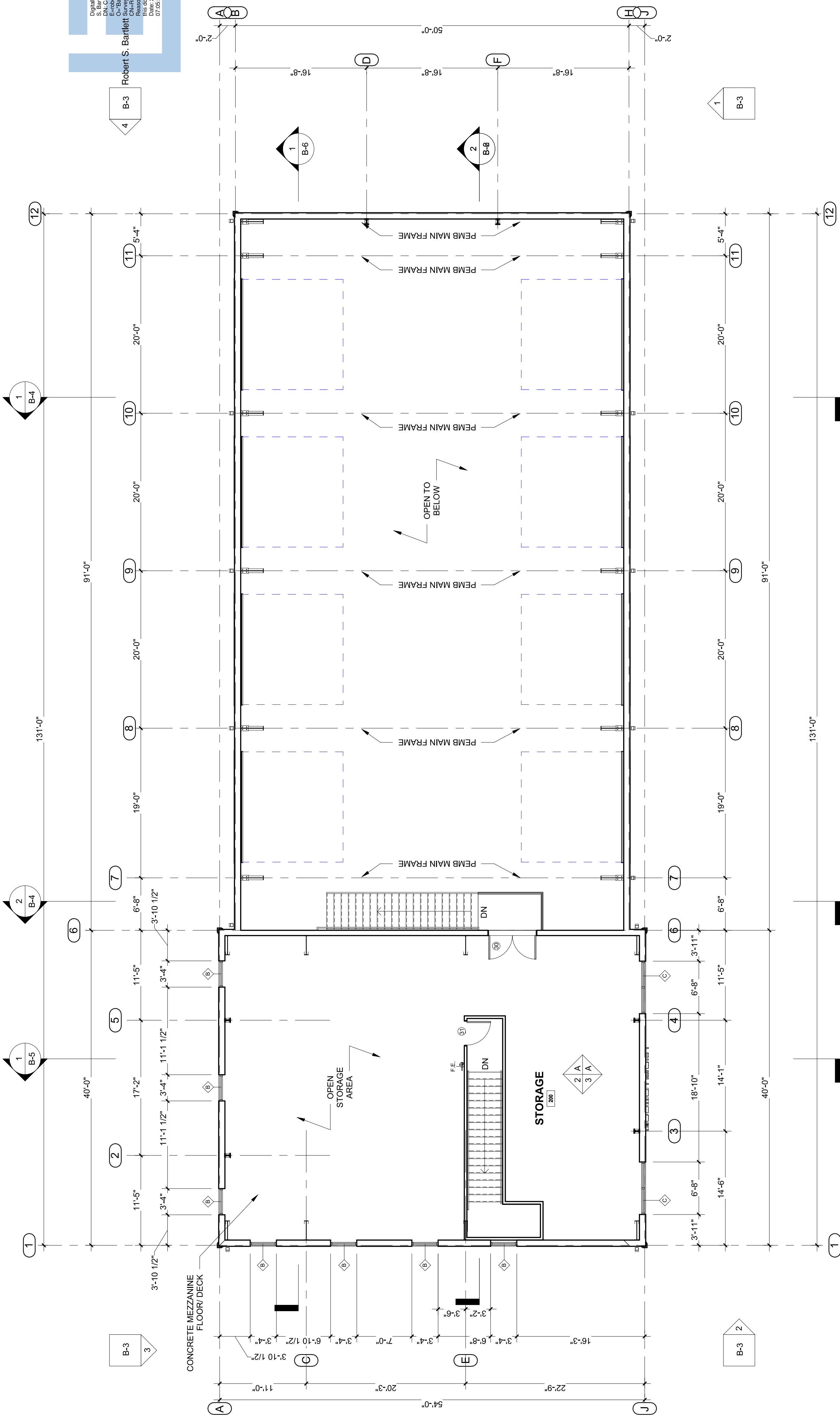
Building One
29 Draughn Rd, Tarboro, NC
27886

Drawn by: CGL	
Issue Date:	02/10/2025
Project Number:	24-034
Sheet:	B-2



1

DOOR SCHEDULE



2 WINDOW SCHEDULE

MEZZANINE

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

MATERIAL LEGEND		
BASIS OF DESIGN: AMERICAN BUILDINGS		
MATERIAL COMPONENT	COLOR	
PEMB ROOF PANELS	GALVALUMIE	
PEMB WALL PANELS: C1	PEARL GRAY	
PEMB WALL PANELS: C2	BRICK RED	
PEMB GUTTERS & TRIM	BRICK RED	
PEMB DOWNSPOUTS	BRICK RED	
PEMB OHDS	STOCK WHITE	
H.M. DOORS	COLOR WATCH C2	
S.F. DOORS & WINDOWS	ANODIZED BLACK	

ALL FINISH COLORS TO BE SELECTED BY OWNER AND ARE SUBJECT TO CHANGE.

Owner:

David Coker
Legget Volunteer Fire Dept.
29 Draughn Road
Tarboro, NC 27886

BARTLETT
ENGINEERING & SURVEYING, PC

006 Nash Street North
on NC 27893-1726
C 4554
V (252) 399-0704
F (252) 399-0804



Rev:	Date:	Description:
------	-------	--------------

EXTERIOR ELEVATIONS

Building One
29 Draughn Rd, Tarboro, NC 27886

Drawn by: CGL	Issue Date: 02/10/2025
Project Number: 24-034	Sheet: 2

REAR ENDWALL ELEVATION

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

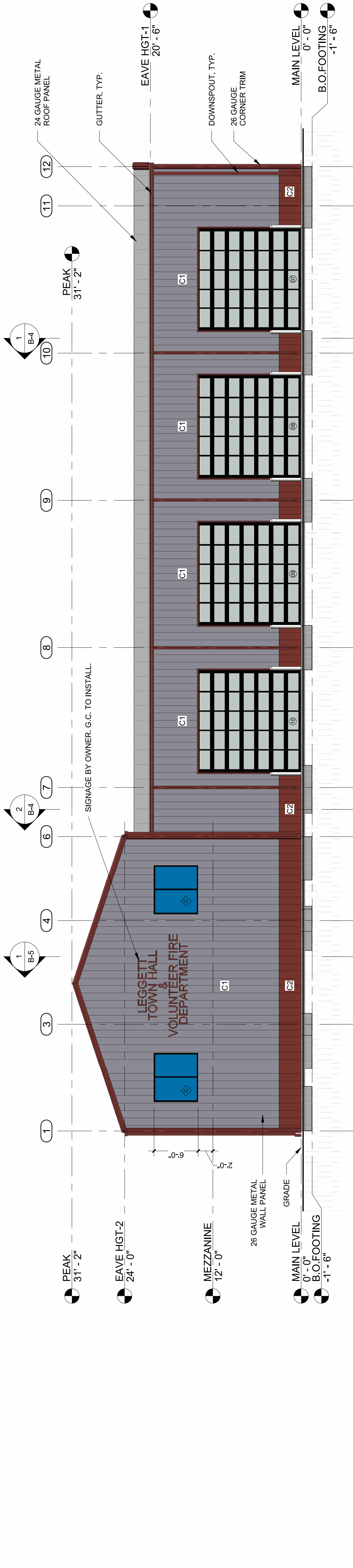
3-

Drawn by: CGL

Issue Date:

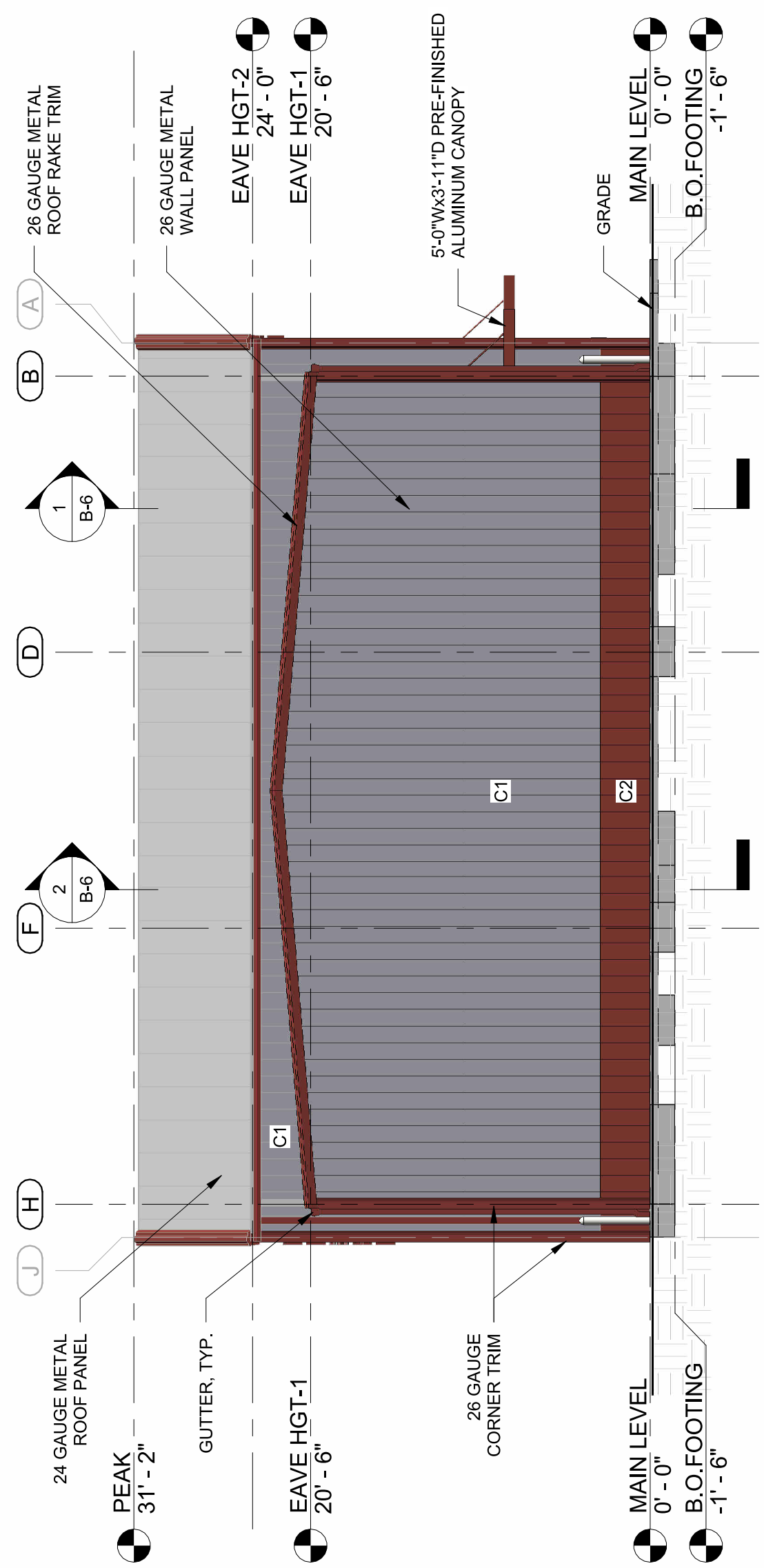
Project Number: 24-034

3-



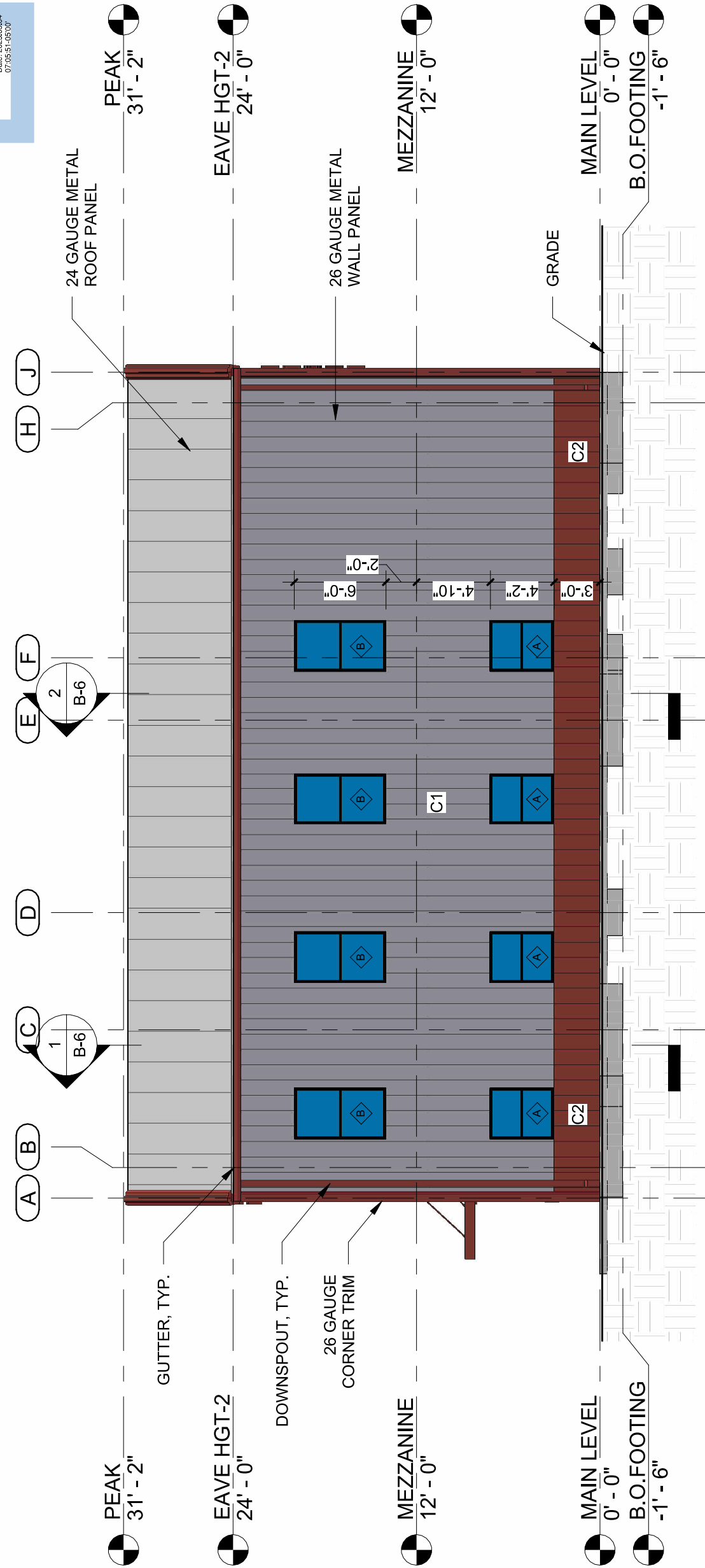
FRONT ENDWALL ELEVATION

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



LEFT SIDEWALL ELEVATION

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



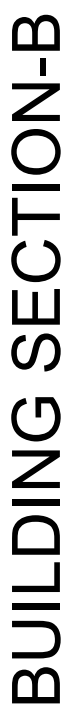
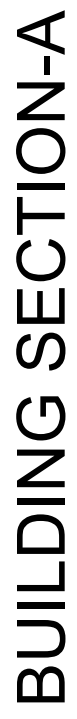
RIGHT SIDEWALL ELEVATION

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



REAR ENDWALL ELEVATION

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



B-4

SCALE: 1/2" = 1'-0"

B-5.

LC

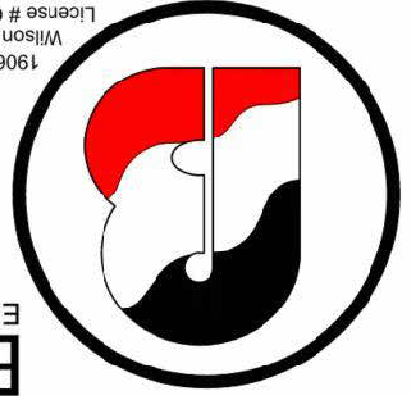
LC

LC

Building One
29 Draughn Rd, Tarboro, NC

Building One
29 Draughn Rd, Tarboro, NC

Rev:	Date:	Description:
------	-------	--------------

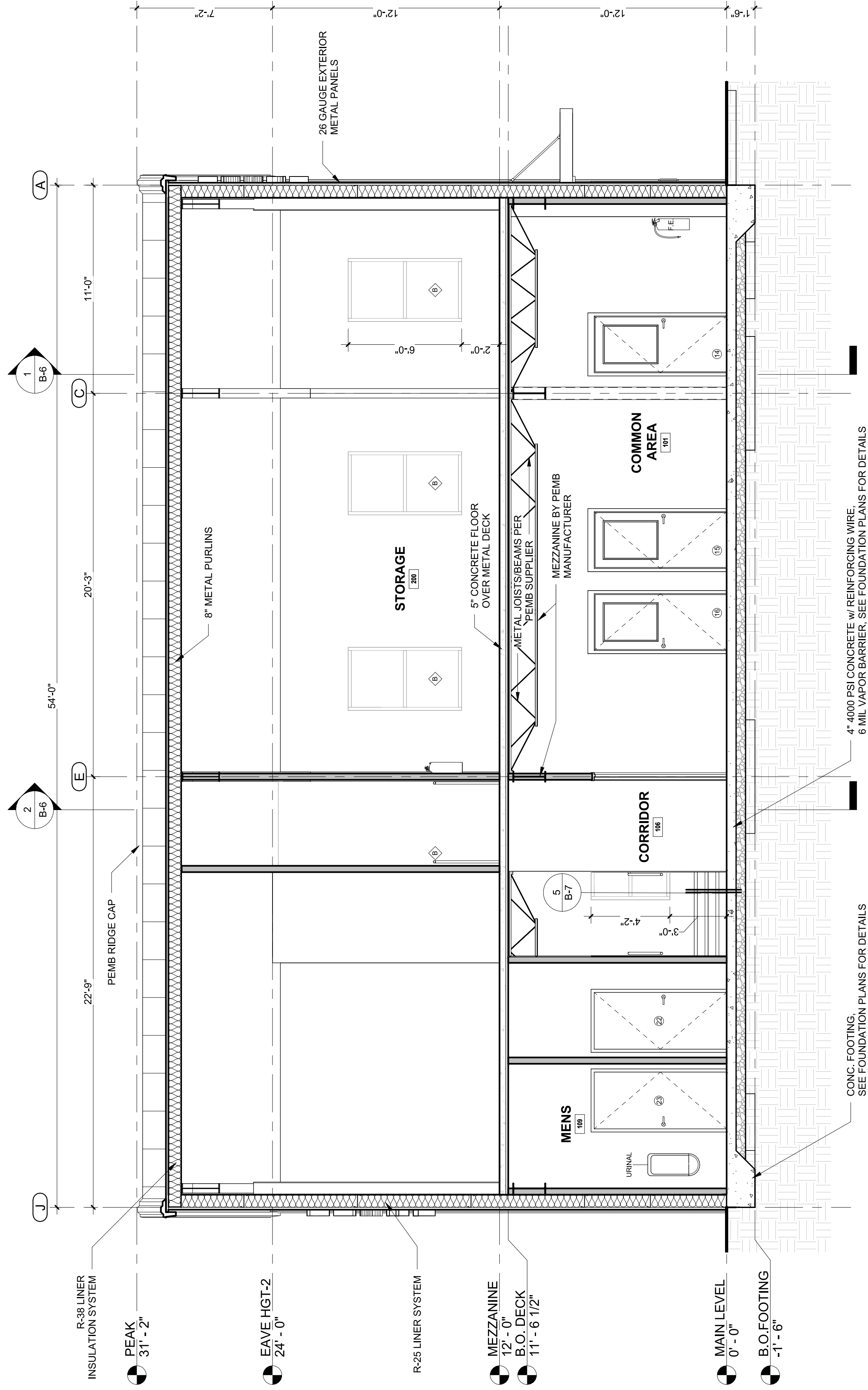
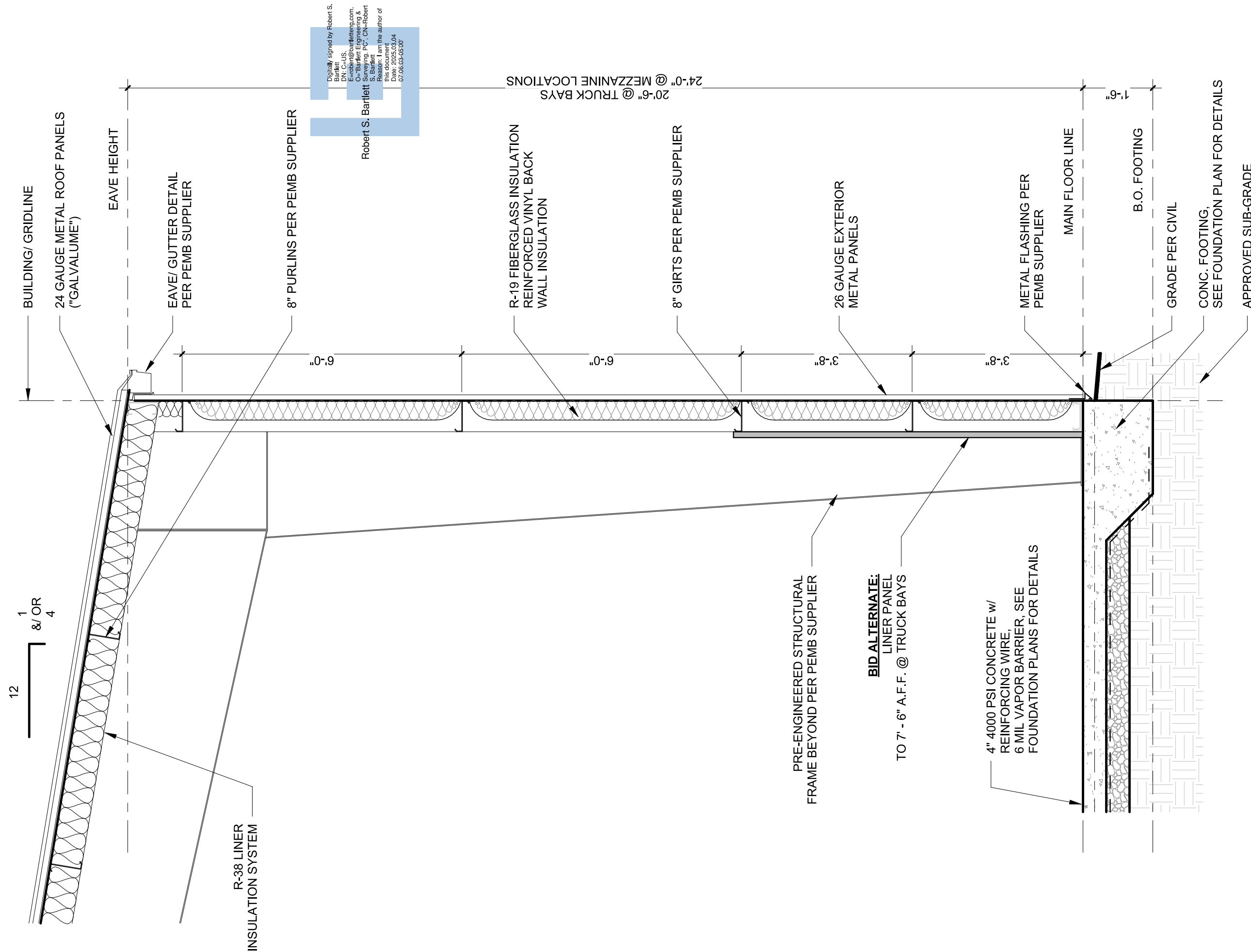


BARTLETT
ENGINEERING & SURVEYING, PC

BARTLETT ENGINEERING & SURVEYING, PC
100 NE Nash Street North
C-1551
N, NC 27893-1726
F (252) 399-0804
V (252) 399-0704
www.bartletteng.com

Owner:

David Coker
Legget Volunteer Fire Dept.
29 Draughn Road
Tarboro, NC 27886

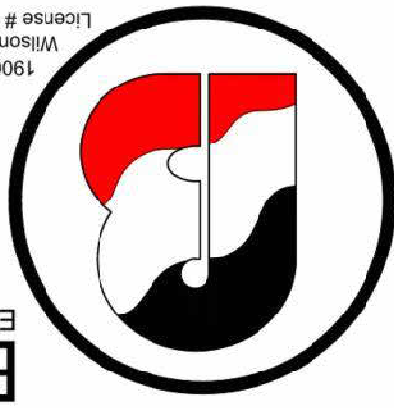


David Coker
Legget Volunteer Fire Dept.
29 Draughn Road
Tarboro, NC 27886

Owner:

BARTLETT
ENGINEERING & SURVEYING, PC

1906 Nash Street North
Hickory, NC 27863-1728
License # C-1551
www.bartletteng.com
V (252) 399-0704
F (252) 399-0804

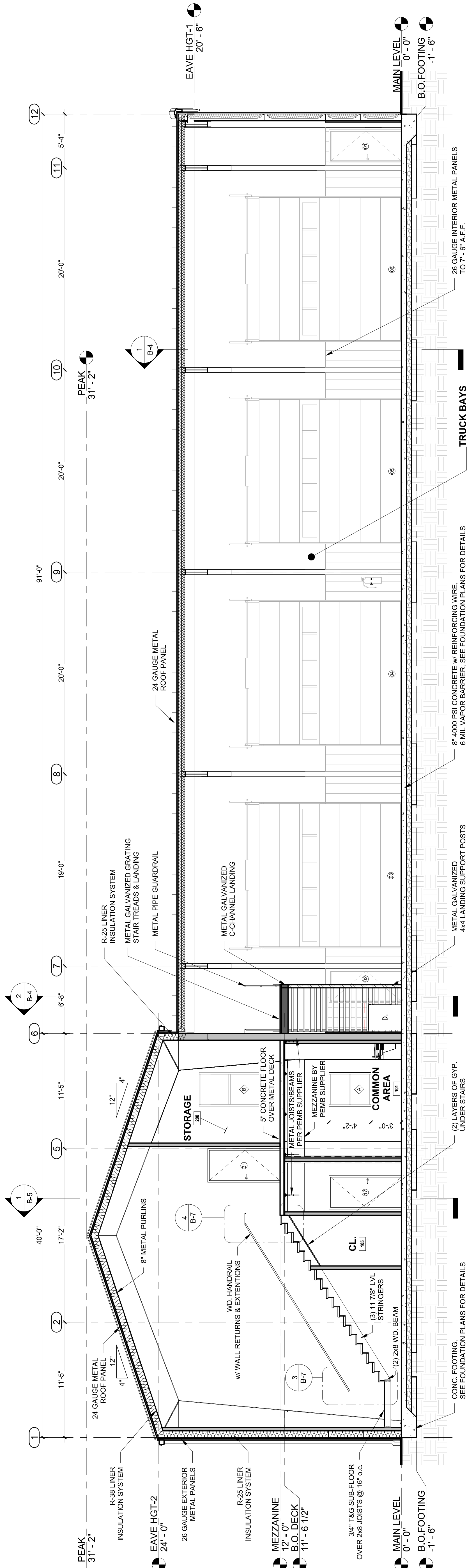
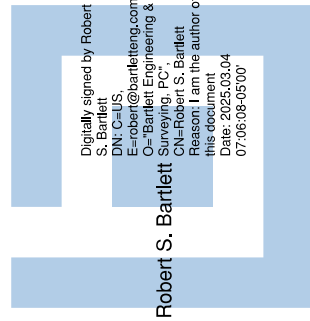
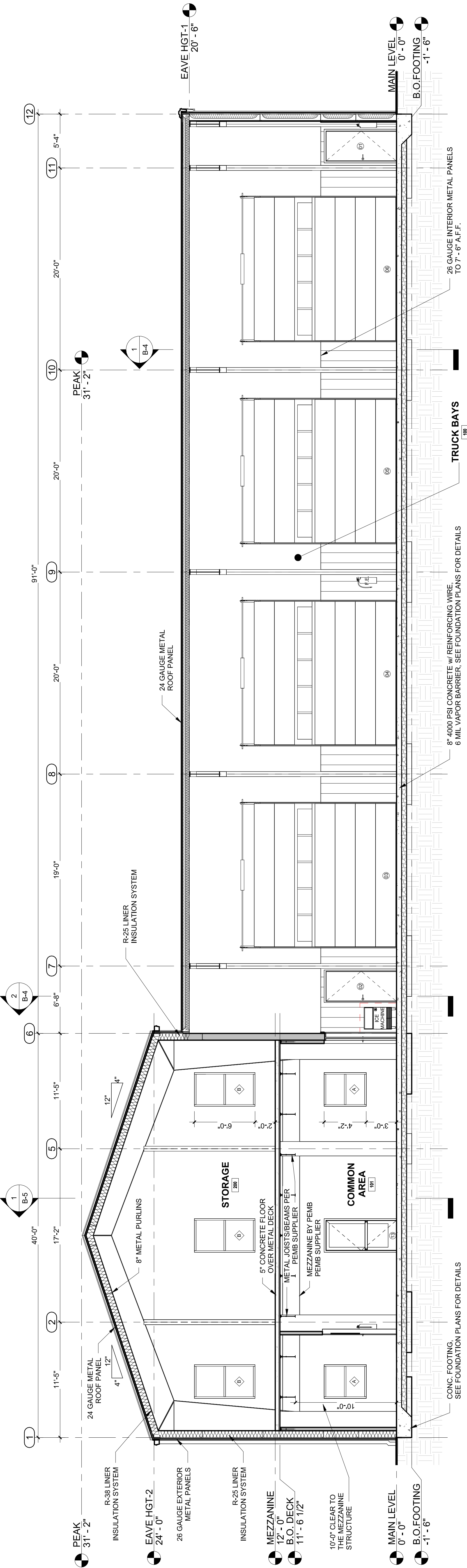



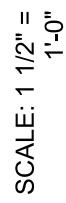


Rev: _____ Date: _____ Description: _____

CROSS SECTIONS


Title Sheet:

Drawn by: CGL
Issue Date: 02/10/2025
Project Number: 24-034
Sheet: B-6





4
B-7



GENERAL PLUMBING NOTES

1.

ALL WORK SHALL BE IN COMPLIANCE WITH LOCAL, STATE, AND NATIONAL CODES.
2.

CONTRACTOR SHALL COORDINATE PIPING WITH ALL OTHER TRADES.
3.

CONTRACTOR SHALL REFER TO "B" SHEETS FOR DIMENSIONS.
4.

CONTRACTOR SHALL FURNISH AND INSTALL DIELECTRIC UNIONS AT ALL CONNECTIONS BETWEEN DISSIMILAR METALS.
5.

CONTRACTOR SHALL FURNISH AND INSTALL ESCUTCHEONS AND COVER PLATES AT ALL FINISHED WALLS, CEILINGS AND FLOOR OPENINGS.
6.

PIPING SHALL BE DISINFECTED IN ACCORDANCE WITH STATE AND LOCAL CODE.
7.

ALL PIPING SHALL BE TESTED FOR LEAKS. IF ANY LEAKS ARE DETECTED THE PIPING SHALL BE REPAIRED OR REPLACED AND RETESTED.
8.

INSULATE ALL HOT & COLD WATER PIPING.
9.

SUPPLY PIPING SHALL BE PEX.
10.

WASTE AND VENT PIPING SHALL BE SCH. 40 P.V.C. & SCH. 80 P.V.C UNDER TRAFFIC AREAS.
11.

SET HOT WATER TEMPERATURE FROM LAVATORY & HAND SINK FAUCETS TO 115 DEGREE F. MAX.
12.

PROVIDE SHUT-OFF VALVES IN ALL SUPPLY PIPING LINES ABOVE CEILING FOR ALL DROPS. AND AT PLUMBING FIXTURES. PROVIDE ACCESS TO ALL VALVES AS REQUIRED IN HARD CEILINGS.
13.

PLUMBING LAYOUTS ARE SCHEMATIC. ALL RISES, DROPS, OFFSETS, AND TRANSITIONS REQUIRED BUT NOT SHOWN SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.

PLUMBING FIXTURE SCHEDULE

MARK	MAKE	DESCRIPTION
P-1	AMERICAN STANDARD OR EQUAL	1/8" GAL. ELONGATED FLOOR MTD. 17" HANDICAPPED FLUSH TANK WATER CLOSET WITH OPEN FRONT SEAT. ADA COMPLIANT
P-2	AMERICAN STANDARD OR EQUAL	SELF-RIMMING HIC ACCESSIBLE LAVATORY WITH FAUCET & DRAIN. RIM 34" AFF. ADA COMPLIANT
P-3	AMERICAN STANDARD OR EQUAL	TEMP. @ FAUCET SET @ 115°F MAX.
P-3	AMERICAN STANDARD OR EQUAL	3/4" HIC ACCESSIBLE WALL MOUNTED FLUSH VALVE URINAL. RIM 17" AFF. ADA COMPLIANT
P-4	AMERICAN STANDARD OR EQUAL	HIC ACCESSIBLE FIBERGLASS SHOWER SYSTEM WITH PRESSURE BALANCE, ANTI-SCALD SHOWER VALVE, HAND HELD SPRAY, GRAB BARS, FOLD DOWN SEAT & COLLAPSIBLE WATER DAM. ADA COMPLIANT
P-5	ELVAY OR EQUAL	DOUBLE COMPARTMENT STAINLESS STEEL HIC ACCESSIBLE KITCHEN SINK WITH GOOSENECK FAUCET, DRAIN & WINGED LEVER HANDLES. ADA COMPLIANT
P-6	ELVAY OR EQUAL	BI-LEVEL HIC ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION. ADA COMPLIANT. 120V, 6 AMPS
P-7	NIMEN OR EQUAL	"1/2" 3/8" CONDENSING GAS TANKLESS WATER HEATER - 11.2 GPM, 98,000 BTU/HOUR, 120V, 4 AMPS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS
P-8	KIEWIT P.V.C. OR EQUAL	1/16" GAL. 3/4" WATER SPRAY GUN. TESTS, DROPS, LEAKS & FITTINGS BY CONTRACTOR
P-9	MUSTEE OR EQUAL	"3/8" 10" X 24" X 24" MOP SERVICE BASIN. PROVIDE WITH HEAVY-DUTY DUAL HANDLE FAUCET WITH REINFORCING BAR PAL HOOK, POSE, HOSE HOLDER, MOP HANGER, BUMPER GUARDS & DRAIN
P-10	ACO OR EQUAL	"3/8" 1/2" CLASSIC RIM WITH GALVANIZED STEEL EDGE PAL WITH TYPE "B" 10" QUICULOCK DUCTILE SLOTTED GRATE FOR INDUSTRIAL TRAFFIC

NOTES:

1. FLUSHERS FOR WATER CLOSETS SHALL BE ON APPROACH SIDE OF FIXTURE.

2. COORDINATE ALL FIXTURES AND FAUCETS WITH OWNER PRIOR TO INSTALLATION.

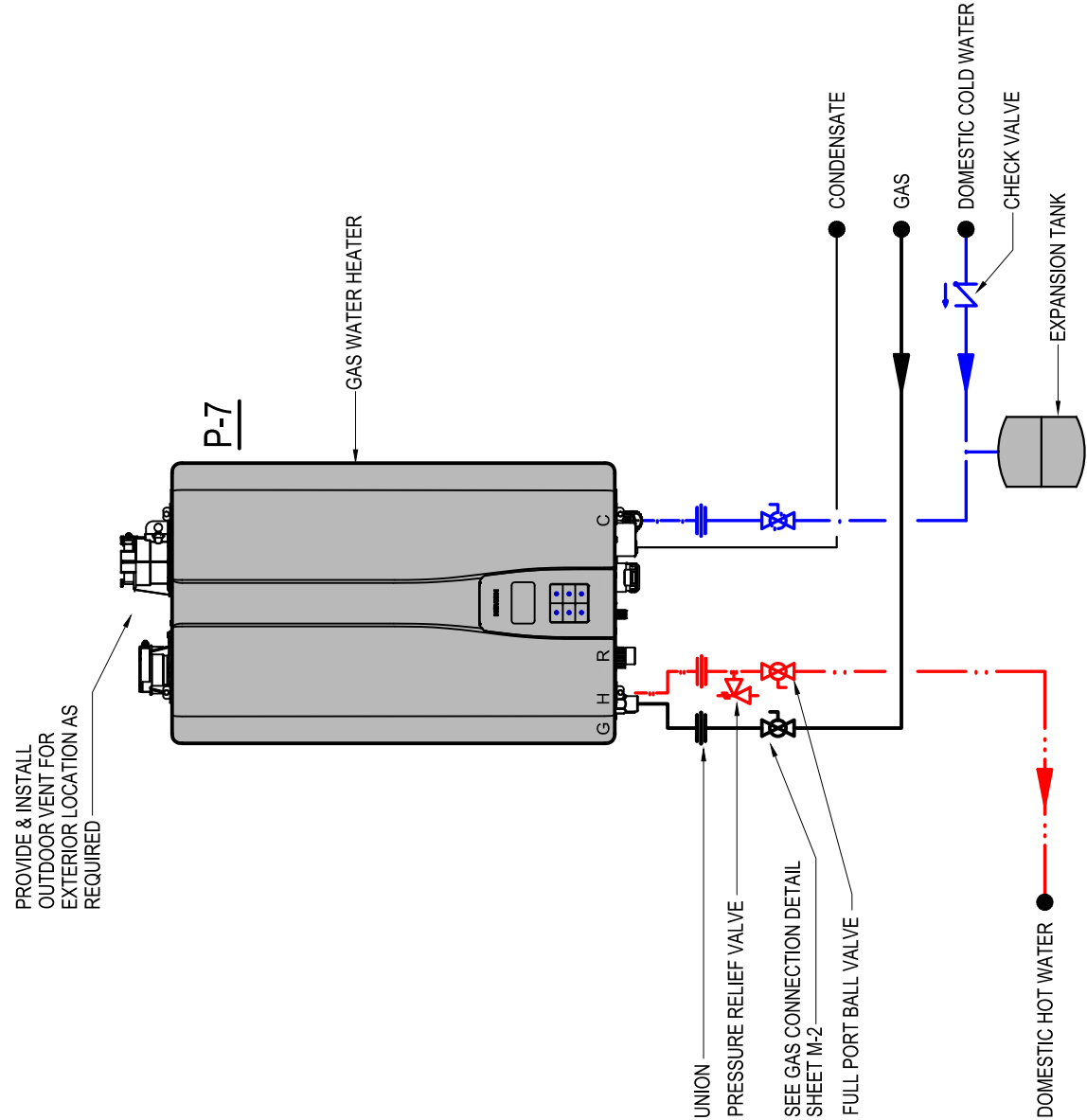
PLUMBING CONNECTION SCHEDULE					
FIXTURE	CW	HW	WASTE	VENT	
FLUSH TANK WATER CLOSET	1/2"	-	3"	2"	
LAVATORY	1/2"	1/2"	2"	1 1/2"	
3/4" FV URINAL	3/4"	-	2"	1 1/2"	
KITCHEN SINK	1/2"	1/2"	2"	1 1/2"	
SHOWER	1/2"	1/2"	2"	1 1/2"	
EWIC	1/2"	-	2"	1 1/2"	
JAN SINK	1/2"	1/2"	3"	1 1/2"	
DISHWASHER	-	1/2"	2"	-	

PLUMBING CALCULATIONS

ITEM	# OF	SUPPLY FIXTURE UNITS		WASTE FIXTURE UNITS
		COLD	HOT	
FLUSH TANK WATER CLOSET	2	5.0	-	5.0
LAVATORY	2	1.5	1.5	2.0
3/4" FV URINAL	1	5.0	-	5.0
KITCHEN SINK	1	1.0	1.0	1.4
SHOWER	2	1.0	1.0	1.4
EWIC	2	0.25	-	0.25
JAN SINK	1	2.25	2.25	3.0
DISHWASHER	1	-	1.4	1.4
TOTAL		23.75	5.65	28.1
TOTAL		28.1		27

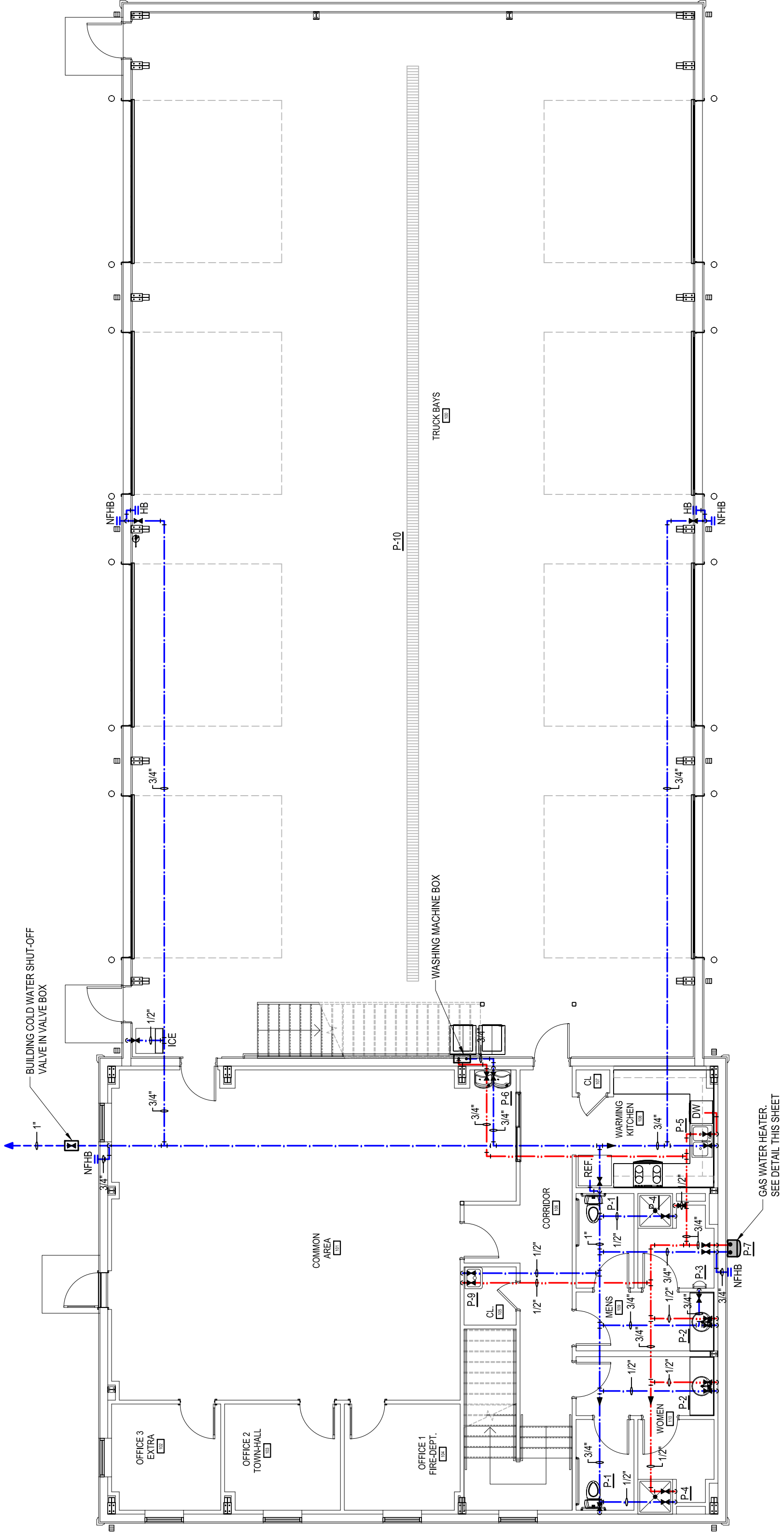
DETAIL - GAS WATER HEATER

NOT TO SCALE

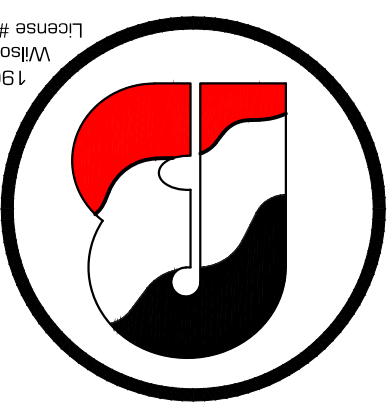


PLUMBING - SUPPLY PIPING PLAN

SCALE 1/8" = 1'-0"



ENGINEERING & SURVEYING, PC
BARTLETT



Robert S. Bartlett
Professional Engineer
State of North Carolina
License # 17551
Expiration Date 03/31/2027

FE Seal

Rev.	Date:	Description:

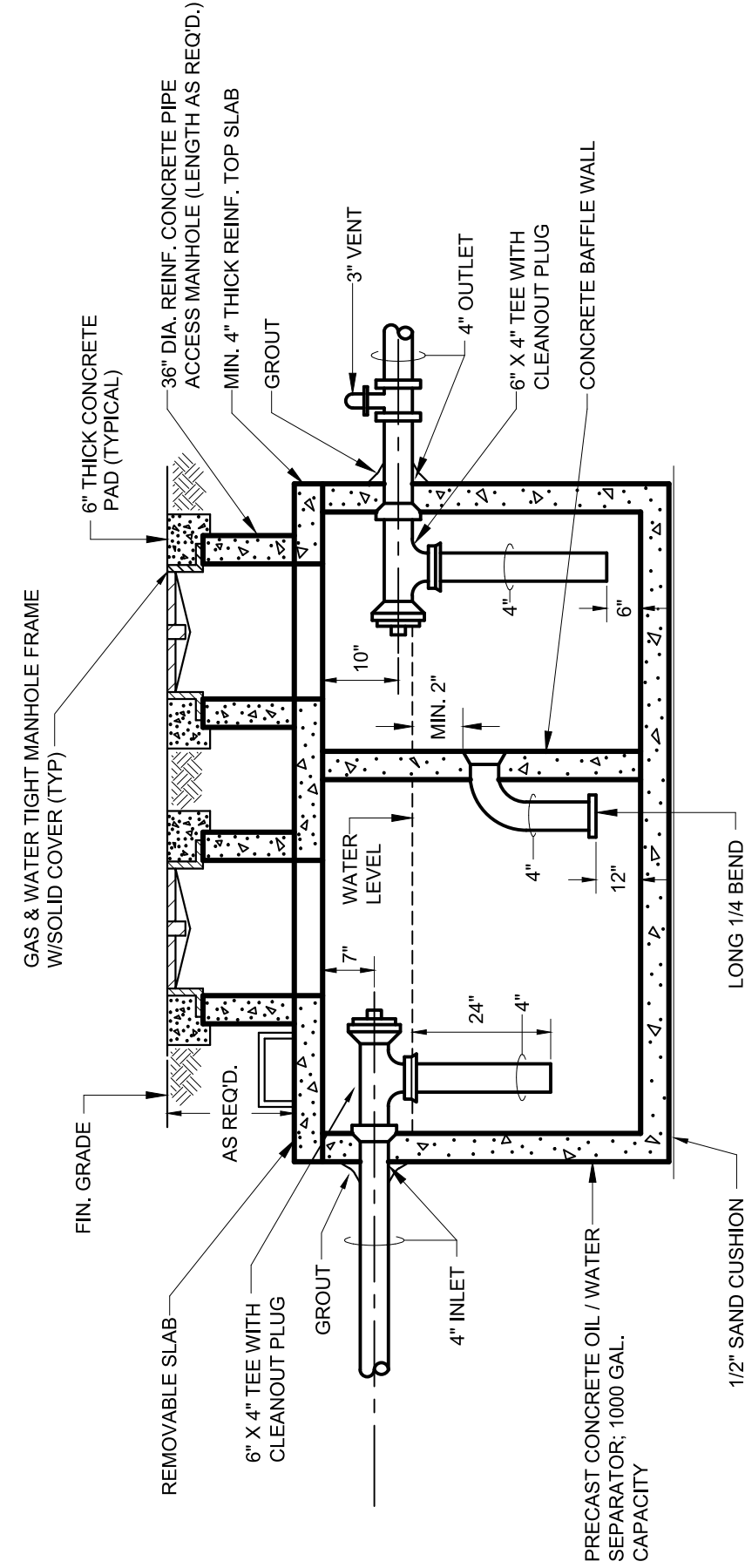
PLUMBING - SUPPLY PIPING PLAN	
Building One	
29 Draughn Rd, Tarboro, NC 27886	
Project:	

Drawn by:	J. Thompson
Issue Date:	02/10/2025
Project Number:	24-034
Sheet:	

P-1

David Coker
Leggett Volunteer Fire Dept.
29 Draughn Road
Tarboro, NC 27886

Prepared for:

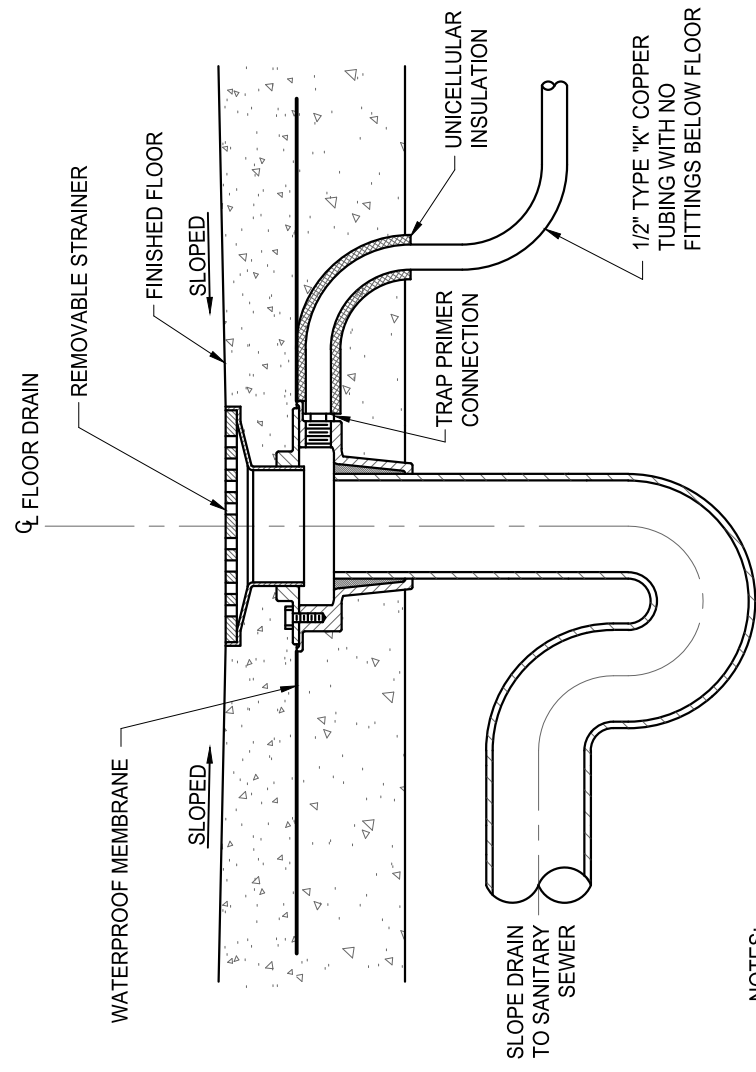


- NOTES:
- GREASE INTERCEPTOR CONSTRUCTION, SIZE & INSTALLATION SHALL COMPLY WITH THE LOCAL PLUMBING CODE, AND/OR ANY OTHER AUTHORITY HAVING JURISDICTION.

DETAIL - OIL / WATER SEPARATOR

NOT TO SCALE

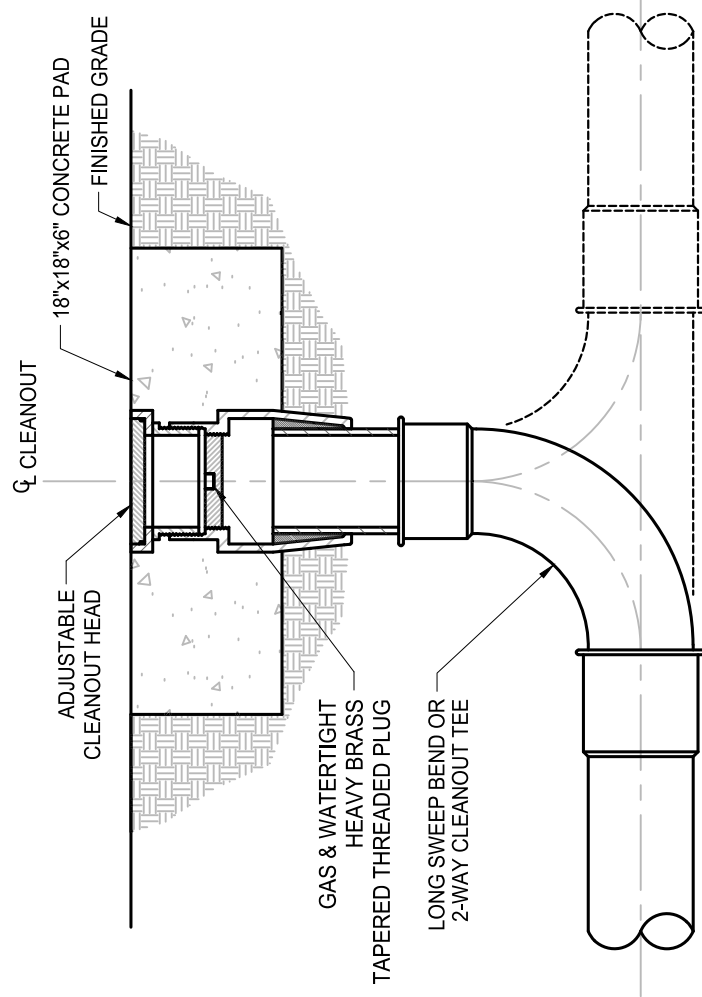
NOTE: THIS DETAIL IS GENERIC FOR GENERAL GUIDANCE ONLY. OIL / WATER SEPARATOR SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION DETAILS. DO NOT VARY FROM THOSE INSTRUCTIONS IN ANY WAY.



- NOTES:
- FINISHED FLOOR SHALL BE SLOPED TO DRAIN FLUSH WITH STRAINER WHERE POSSIBLE. PROVIDE SLOPE OF 1/4" PER FOOT MIN. TO TRAP PRIMER CONNECTION AS REQUIRED.
 - PROVIDE 1/2" TYPE "K" COPPER TUBING TO TRAP PRIMER CONNECTION AS REQUIRED.
 - TRAP PRIMER NOT REQUIRED IN AREAS WITH HOSE BIBB.

DETAIL - FLOOR DRAIN

NOT TO SCALE

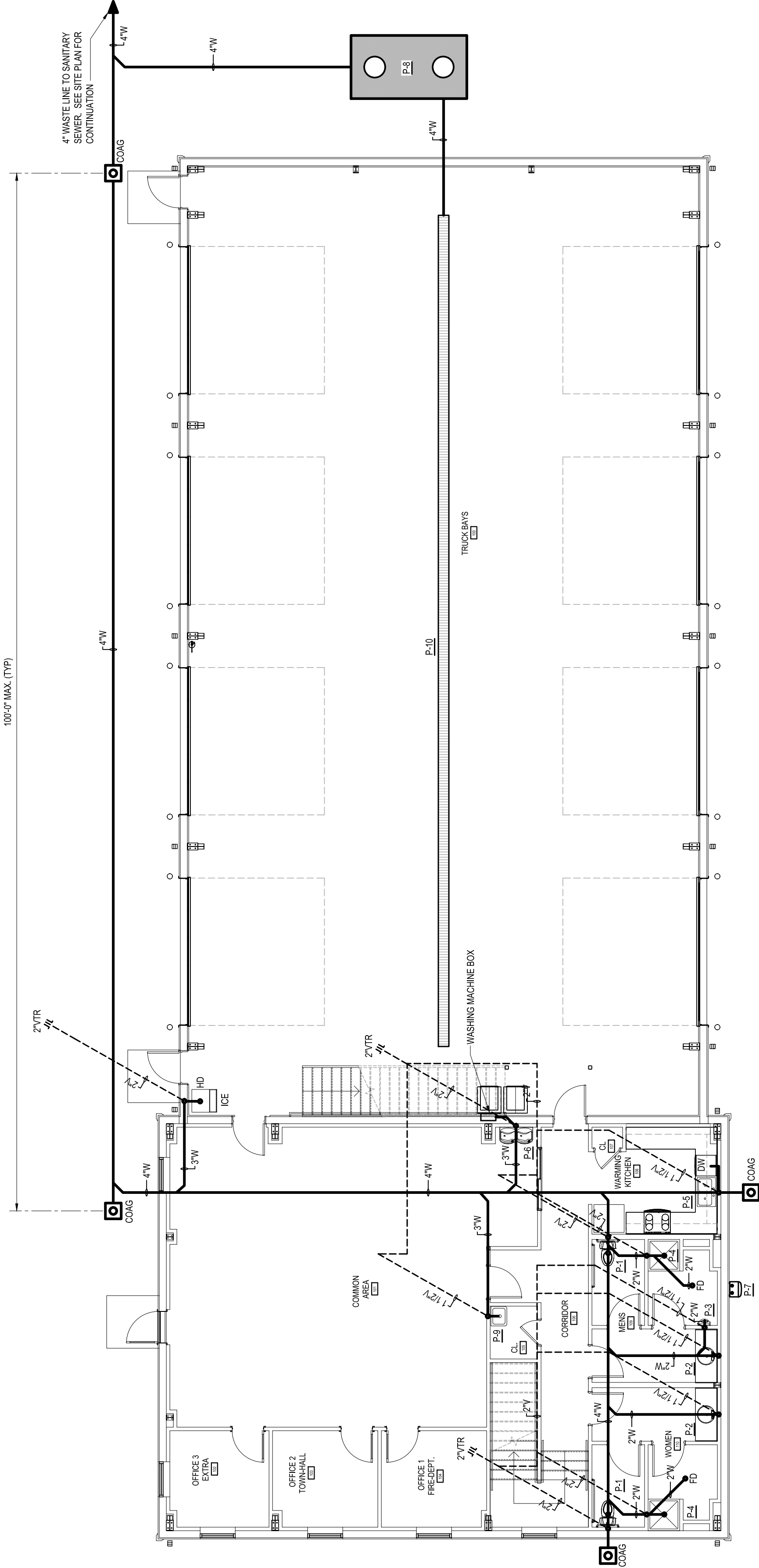


DETAIL - CLEAN OUT AT GRADE

NOT TO SCALE

PLUMBING LEGEND

DESCRIPTION	SYMBOL
COLD WATER	— C W —
HOT WATER	— H W —
VENT PIPING	- - - V - - -
WASTE PIPING	— W —
NON-FREEZE HOSE BIBBS	N F B B
CLEAN OUT AT GRADE	□ C O A G
HUB DRAIN	○ H D
FLOOR DRAIN WITH TRAP PRIMER	○ F D
CHECK VALVE	↗
SHUT-OFF VALVE	⋈
FIXTURE DESIGNATION	P, S, W, R, F, S, W, R, F
MOUNTING HEIGHT	M H
VENT THRU ROOF	⋈ V T R



PLUMBING - WASTE & VENT PIPING PLAN

SCALE 1/8" = 1'-0"

Title Sheet:

PLUMBING - WASTE & VENT PIPING PLAN

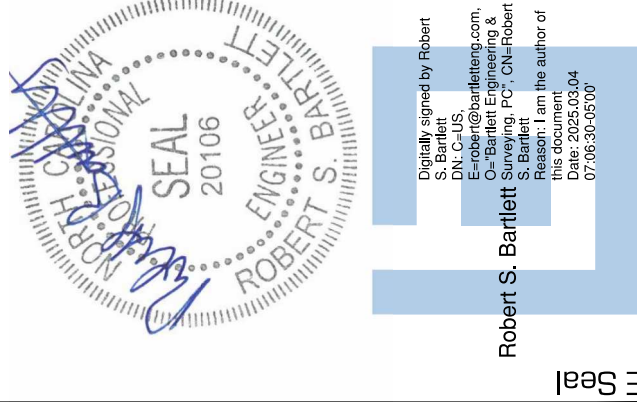
Building One

29 Draughn Rd, Tarboro, NC

27886

Project: J. Thompson
Issue Date: 02/10/2025
Project Number: 24-034
Sheet:

P-2

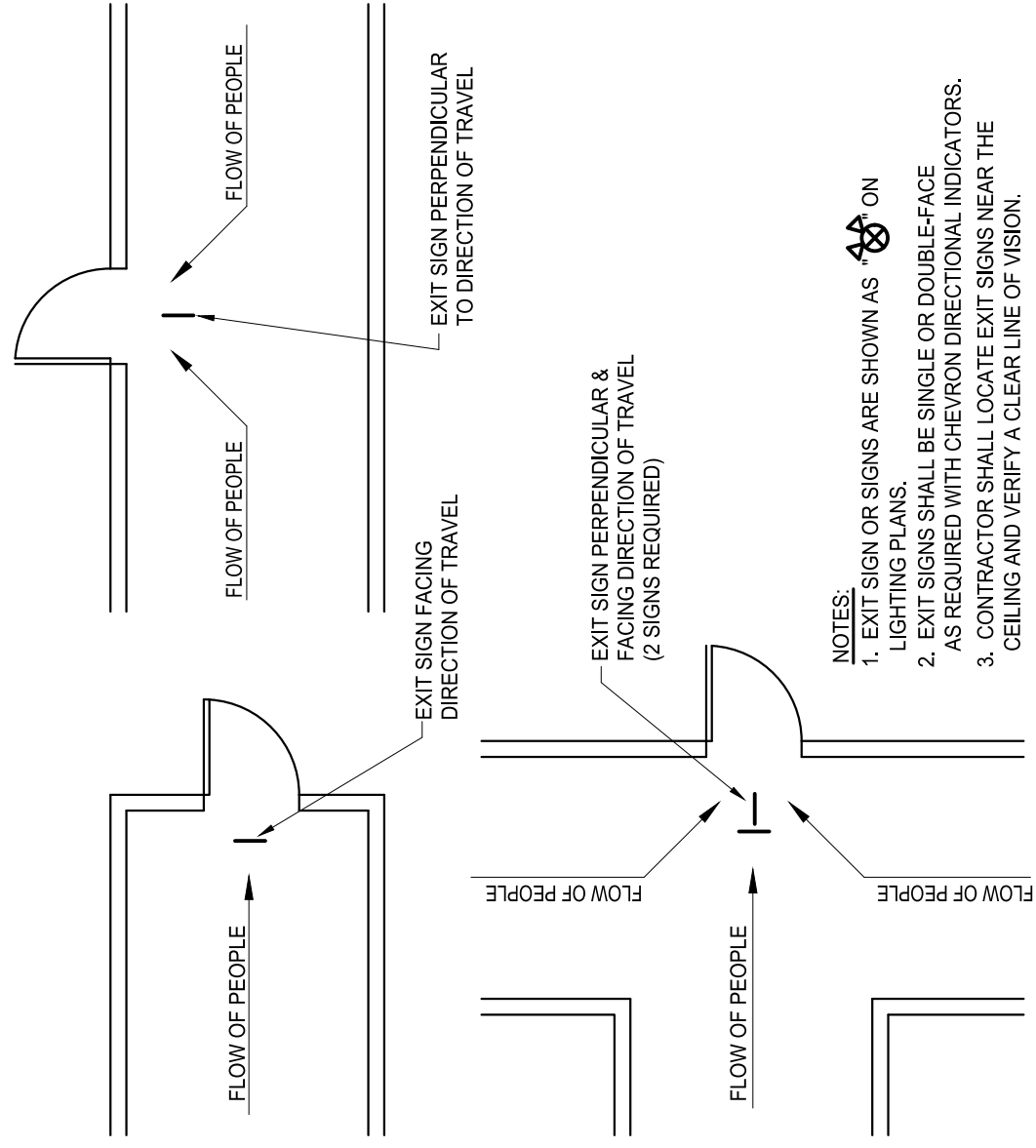


BARTLETT
ENGINEERING & SURVEYING, PC



David Coker
Leggett Volunteer Fire Dept.
29 Draughn Road
Tarboro, NC 27886

Prepared for:



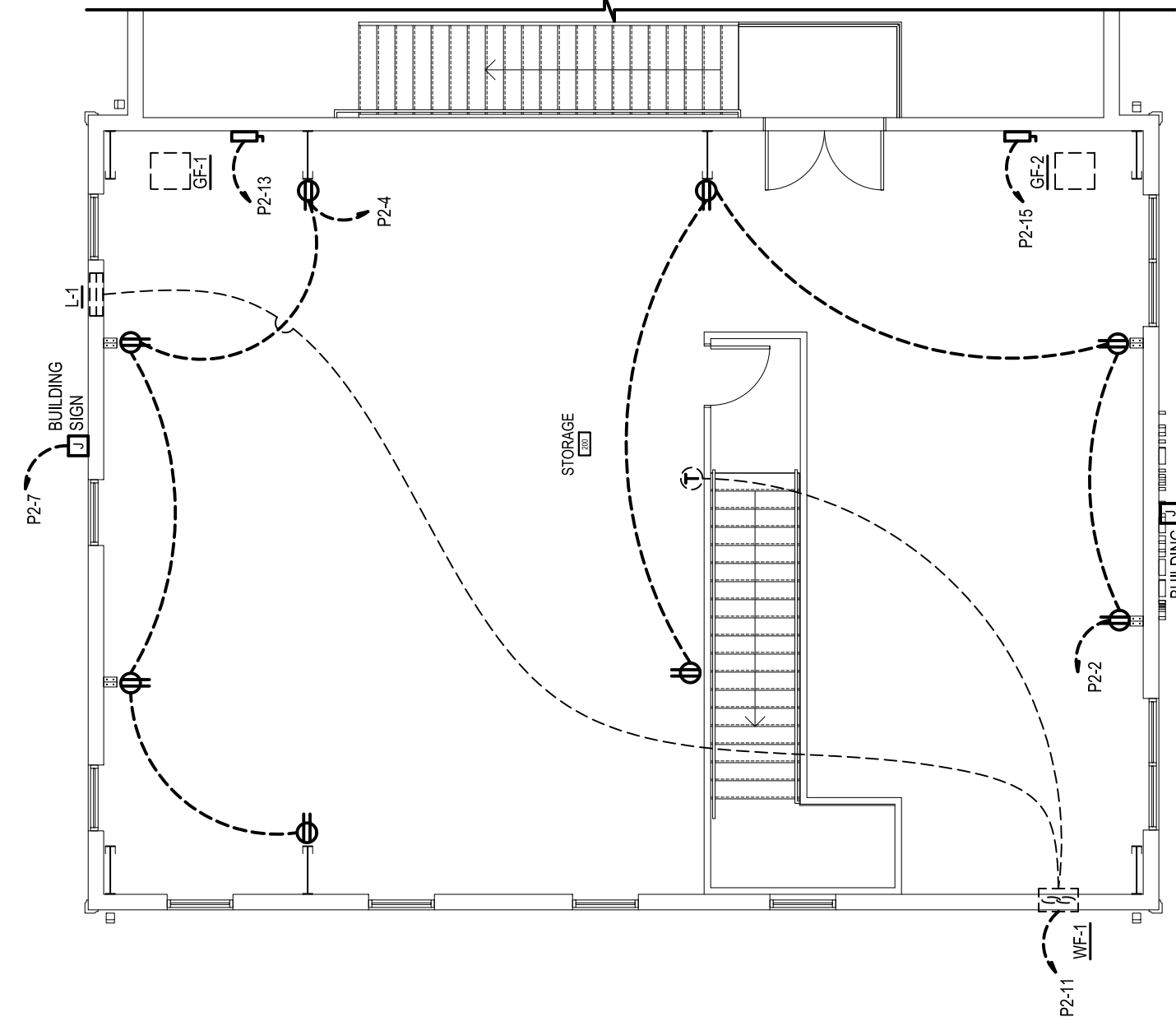
LOCATIONS OF EXIT SIGNS

NO SCALE

TABLE "A"				
WORKING CLEARANCES				
VOLTAGE TO GROUND (NOMINAL)	CONDITION		MINIMUM CLEAR DISTANCE	
	1	2	3	4
0-150	3	3	3	3
151-600	3	3 1/2	3	4

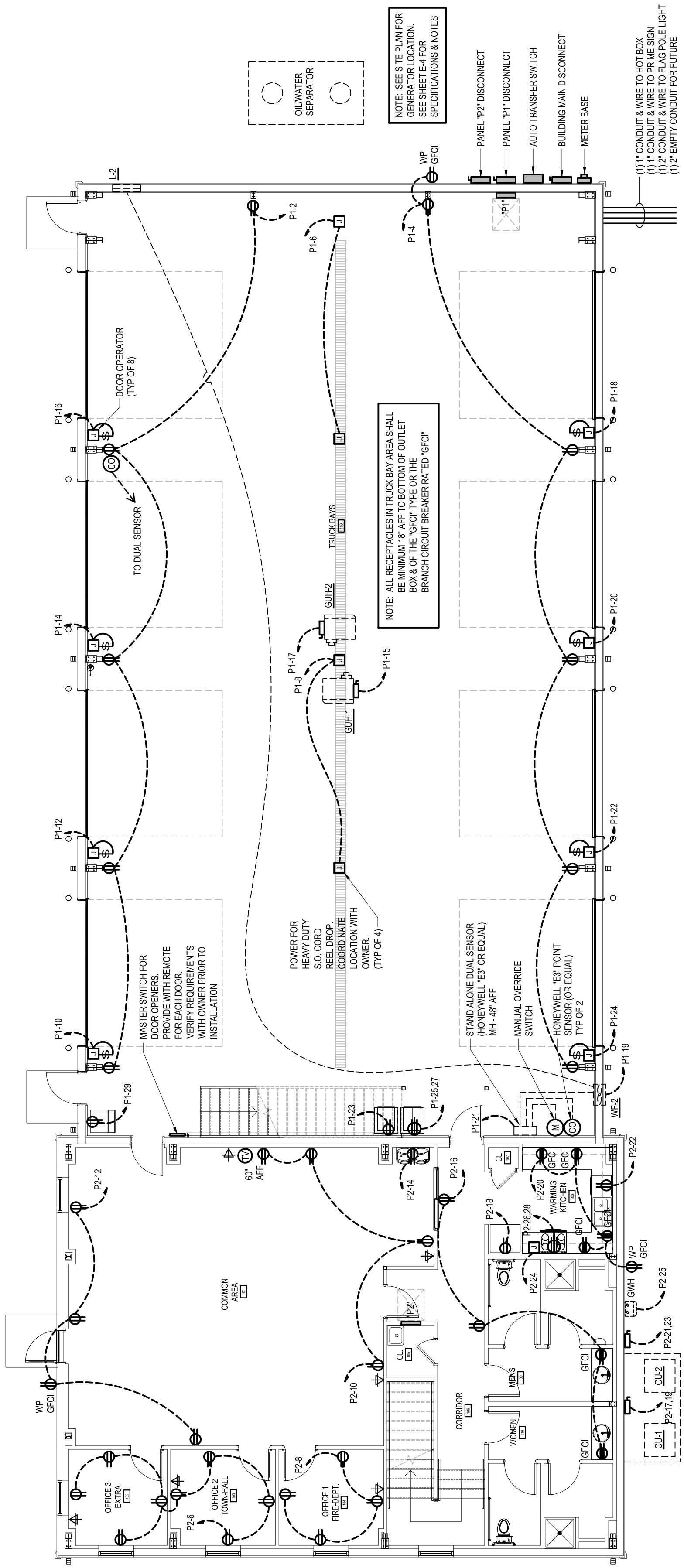
- WHERE THE "CONDITIONS" ARE AS FOLLOWS:
- EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDING PARTS ON THE OTHER SIDE OF THE WORKING SPACE. OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR OTHER INSULATING MATERIALS. INSULATED WIRE OR INSULATED BULBARS OPERATING AT NOT OVER 300 VOLTS SHALL NOT BE CONSIDERED LIVE PARTS.
 - EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDING PARTS ON THE OTHER SIDE.
 - EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

- NOTES:
- EXIT SIGN OR SIGNS ARE SHOWN AS ON LIGHTING PLANS. THEY SHALL BE SINGLE OR DOUBLE FACE.
 - EXIT SIGNS SHALL BE PLACED AS REQUIRED WITH CHEVRON DIRECTIONAL INDICATORS.
 - CONTRACTOR SHALL LOCATE EXIT SIGNS NEAR THE CEILING AND VERIFY A CLEAR LINE OF VISION.



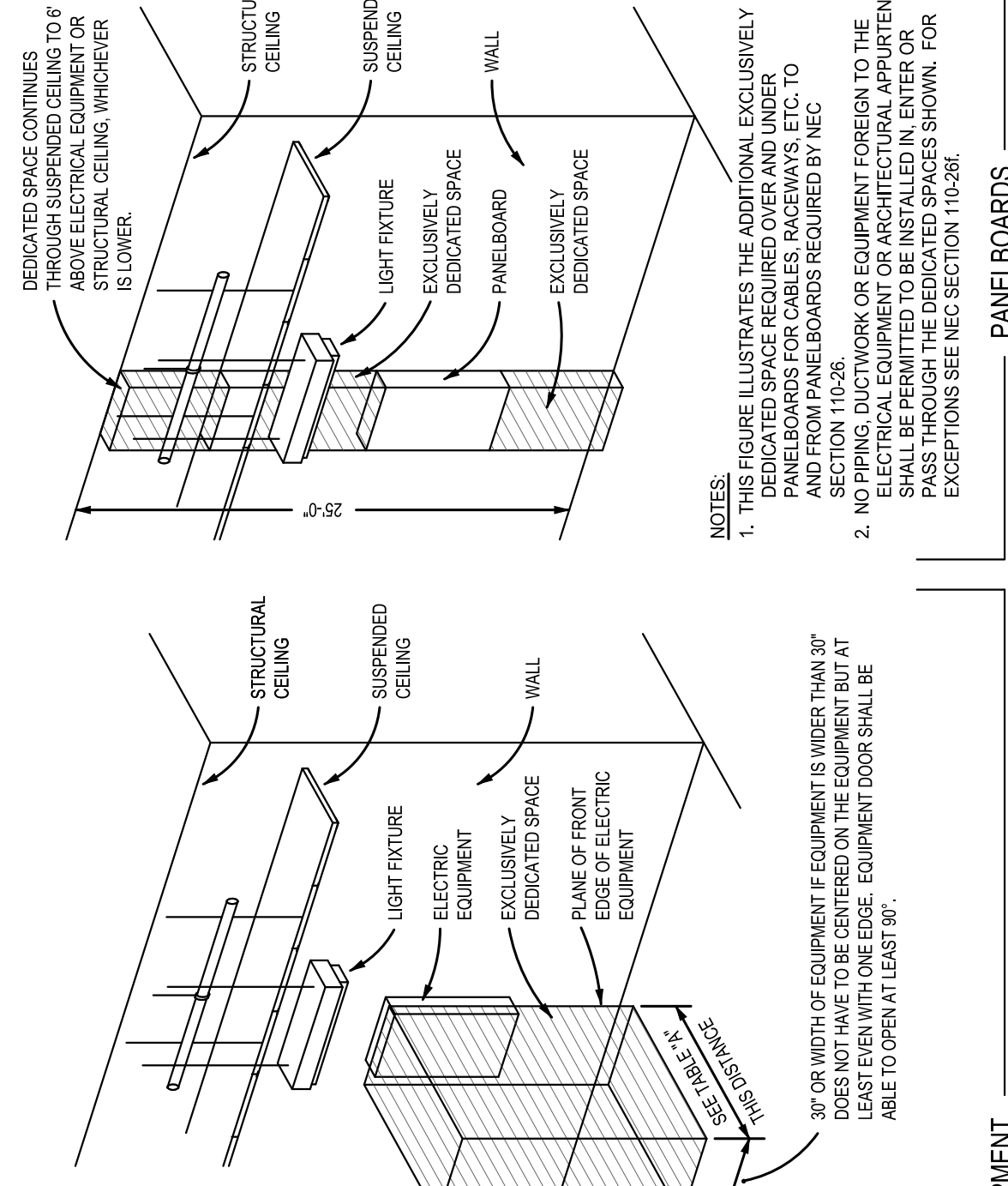
MEZZANINE ELECTRICAL - POWER PLAN

SCALE 1/8" = 1'-0"



MAIN LEVEL ELECTRICAL - POWER PLAN

SCALE 1/8" = 1'-0"



DEDICATED WORKING SPACE REQUIREMENTS

NO SCALE

ELECTRICAL LEGEND			
MARK	DESCRIPTION	MARK	DESCRIPTION
	"LED" LIGHT FIXTURE (WALL/CEIL.)		240V RECEPTACLE
	"LED" LIGHT FIXTURE		"GFCI" DUPLEX RECEPTACLE
	"LED" UNSWITCHED LIGHT FIXT. WITH BATTERY STANDBY (SECURITY, EMERGENCY LT.)		"GFCI" DUPLEX RECEPTACLE IN WEATHER-PROOF COVER
	COMBO EXTEREM. LIGHT		FUSED DISCONNECT SWITCH
	BATTERY OPERATED EMERG. LT. (2-HEAD, WALL MTD.)		EXHAUST FAN
	SINGLE-POLE SWITCH		SWITCHED BRANCH CIRCUIT
	3-WAY SWITCH		UNSWITCHED BRANCH CIRCUIT
	PASSIVE DUAL TECHNOLOGY OCCUPANCY WALL SENSOR SWITCH		HOMERUN
	DUPLEX RECEPTACLE		VOICE/DATA 1" CONDUIT TO ABV. CEILING
	DUPLEX RECEPTACLE ABOVE COUNTER		JUNCTION BOX
	TV OUTLET		

- NOTES:
- THIS FIGURE ILLUSTRATES THE ADDITIONAL EXCLUSIVELY DEDICATED SPACE REQUIRED FOR CABLES, RACEWAYS, ETC., TO PANELBOARDS FOR CABLES, RACEWAYS, ETC., TO SECTION 110.26(A) AND FROM PANELBOARDS REQUIRED BY NEC SECTION 110.26(A) FOR ELECTRICAL EQUIPMENT OR EQUIPMENT EXPOSED TO THE FACE OF THE EQUIPMENT. THE DEDICATED SPACE SHALL BE ABLE TO OPERATE AT LEAST 90°.
 - EXCEPTIONS SEE NEC SECTION 110.26.

ALL ELECTRIC EQUIPMENT

PANELBOARDS

Professional Engineer Seal for Robert S. Bartlett, State of North Carolina, License # 021000020.

BARTLETT ENGINEERING & SURVEYING, PC logo and contact information.

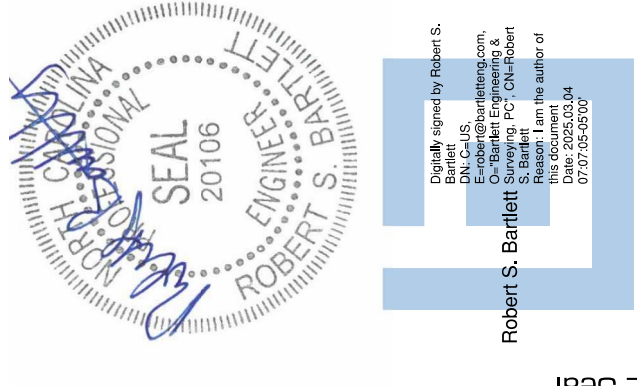
David Coker
Leggett Volunteer Fire Dept.
29 Draughn Road
Tarboro, NC 27886

Building One
29 Draughn Rd, Tarboro, NC 27886

PANEL: P1 MTD: SURFACE TYPE: "SQ-D" WIRE: 3									
VOLTS: 120/240 PHASE: 1									
225 AMP MLO									
L1	L2	CIRCUIT	POLES	TRIP	ASSIGNMENT	PHASE	ASSIGNMENT	TRIP	POLES
10	X	1	1	20	LIGHTS	Ø	RECEPT.	Ø	2
X	9.8	3	1	20	LIGHTS	Ø	RECEPT.	Ø	4
X	5	5	1	20	LIGHTS	Ø	RECEPT.	Ø	6
X	4.5	7	1	20	SO CORD REEL	Ø	SO CORD REEL	Ø	10
X	1.6	9	1	20	LIGHTS	Ø	DOOR OPERATOR	Ø	8
X	5	11	1	20	FLAGPOLE LIGHT	Ø	DOOR OPERATOR	Ø	10
X	5	13	1	20	HOT BOX	Ø	DOOR OPERATOR	Ø	12
X	5	15	1	20	PRIME SIGN	Ø	DOOR OPERATOR	Ø	14
X	5.5	17	1	20	GUH-1	Ø	DOOR OPERATOR	Ø	16
X	15	19	1	20	GUH-2	Ø	DOOR OPERATOR	Ø	18
X	5	21	1	20	WF-2 A-1-2	Ø	DOOR OPERATOR	Ø	20
X	10	23	1	20	CO SENSOR	Ø	DOOR OPERATOR	Ø	22
X	20	25	2	30	WASHER - "GFCI"	Ø	DOOR OPERATOR	Ø	24
X	20	27	2	30	DRYER - "GFCI"	Ø	DOOR OPERATOR	Ø	26
X	5	29	1	20	ICE MAKER - "GFCI"	Ø	DOOR OPERATOR	Ø	28
X	31	31	1	20	SPACE	Ø	SPACE	Ø	30
X	X	33	1	20	SPACE	Ø	SPACE	Ø	32
X	X	35	1	20	SPACE	Ø	SPACE	Ø	34
X	X	37	1	20	SPACE	Ø	SPACE	Ø	36
X	X	39	1	20	SPACE	Ø	SPACE	Ø	38
X	X	41	1	20	SPACE	Ø	SPACE	Ø	40
X	X	43	1	20	SPACE	Ø	SPACE	Ø	42
TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
57.1		89.8		117.8 AMPS		138.3 AMPS		156.6 AMPS	
				L1 TOTAL - 110.2 AMPS		L1 TOTAL - 132.6 AMPS		L1 TOTAL - 156.6 AMPS	
				L2 TOTAL - 106.6 AMPS		L2 TOTAL - 132.6 AMPS		L2 TOTAL - 156.6 AMPS	
								TOTAL CONNECTED	

PANEL: P2 MTD: FLUSH TYPE: "SQ-D" WIRE: 3									
VOLTS: 120/240 PHASE: 1									
225 AMP MLO									
L1	L2	CIRCUIT	POLES	TRIP	ASSIGNMENT	PHASE	ASSIGNMENT	TRIP	POLES
7.9	X	1	1	20	LIGHTS	Ø	RECEPT.	Ø	2
X	5.6	3	1	20	LIGHTS	Ø	RECEPT.	Ø	4
X	3.6	5	1	20	LIGHTS	Ø	RECEPT.	Ø	6
X	5	7	1	20	BUILDING SIGN	Ø	RECEPT.	Ø	10
X	5	9	1	20	BUILDING SIGN	Ø	RECEPT.	Ø	8
X	13	11	1	20	WF-1 A-1-1	Ø	RECEPT.	Ø	12
X	14.1	13	1	15	GF-1	Ø	RECEPT.	Ø	14
X	8.8	15	1	15	GF-2	Ø	RECEPT.	Ø	16
X	20	17	2	35	CU-1	Ø	RECEPT.	Ø	18
X	20	19	2	25	CU-2	Ø	RECEPT.	Ø	20
X	14	21	2	25	CU-2	Ø	RECEPT.	Ø	22
X	14	23	2	25	CU-2	Ø	RECEPT.	Ø	24
X	4	25	1	20	GVH	Ø	RECEPT.	Ø	26
X	X	27	1	20	SPACE	Ø	SPACE	Ø	28
X	X	29	1	20	SPACE	Ø	SPACE	Ø	30
X	X	31	1	20	SPACE	Ø	SPACE	Ø	32
X	X	33	1	20	SPACE	Ø	SPACE	Ø	34
X	X	35	1	20	SPACE	Ø	SPACE	Ø	36
X	X	37	1	20	SPACE	Ø	SPACE	Ø	38
X	X	39	1	20	SPACE	Ø	SPACE	Ø	40
X	X	41	1	20	SPACE	Ø	SPACE	Ø	42
TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
63.6		66.4		138.3 AMPS		138.3 AMPS		156.6 AMPS	
				L1 TOTAL - 138.3 AMPS		L1 TOTAL - 138.3 AMPS		L1 TOTAL - 156.6 AMPS	
				L2 TOTAL - 138.3 AMPS		L2 TOTAL - 138.3 AMPS		L2 TOTAL - 156.6 AMPS	
								TOTAL CONNECTED	

ELECTRICAL LOAD SUMMARY			
LOAD	DEMAND	DIVERSITY FACTOR	TOTAL DEMAND
LIGHTING	5.76 KW	125%	7.20 KW
RECEPTACLES	17.40 KW	10 KW + (50% of 7.40 KW)	13.70 KW
RANGE	7.20 KW	80%	5.76 KW
GAS WATER HEATER	0.48 KW	100%	0.48 KW
HVAC	15.59 KW	100%	15.59 KW
DOOR OPERATORS	9.60 KW	100%	9.60 KW
FUTURE	12.00 KW	100%	12.00 KW
TOTAL - 84.33 KW			
@ 240V / Ø = 288.1 AMPS			
288.1 AMPS X 1.25 = 355.2 AMPS			

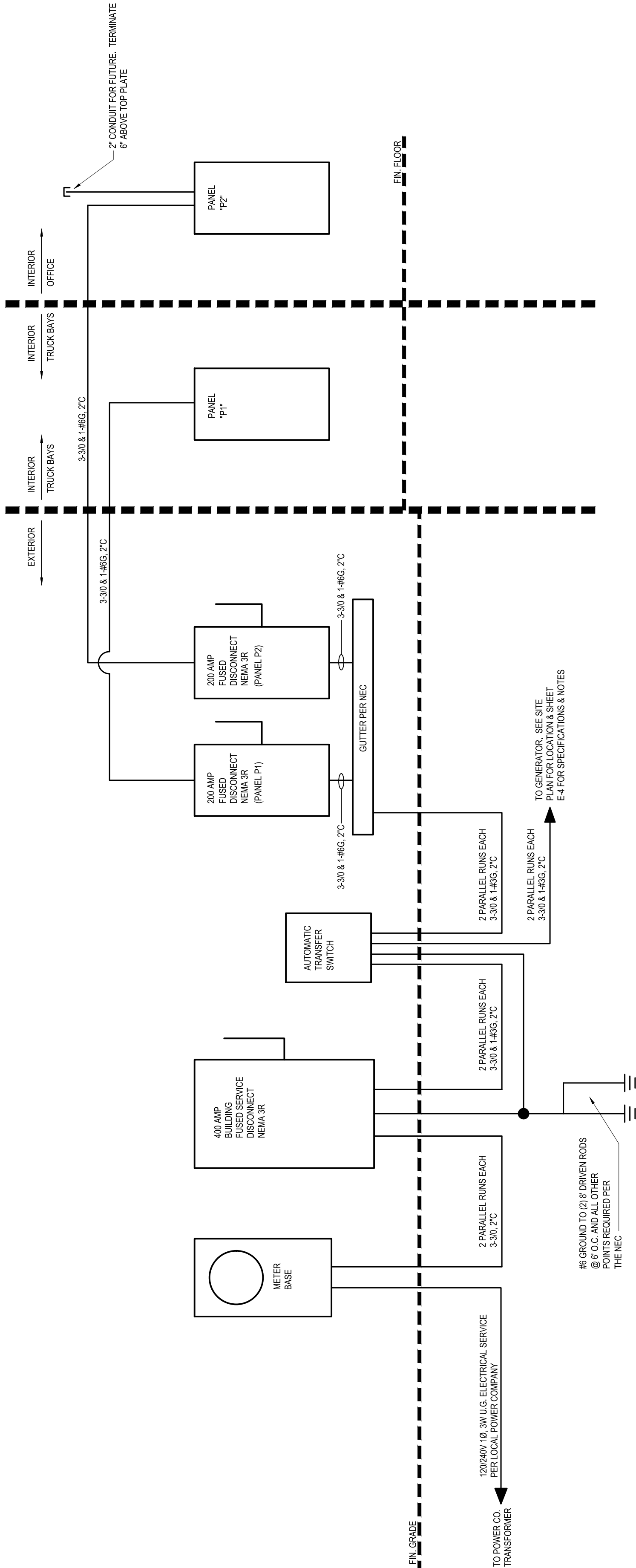


David Coker
Leggett Volunteer Fire Dept.
29 Draughn Road
Tarboro, NC 27886

BARTLETT
ENGINEERING & SURVEYING, PC
1906 Nash Street North
Waco, NC 27887-1726
F (252) 389-0804
www.bartletteng.com

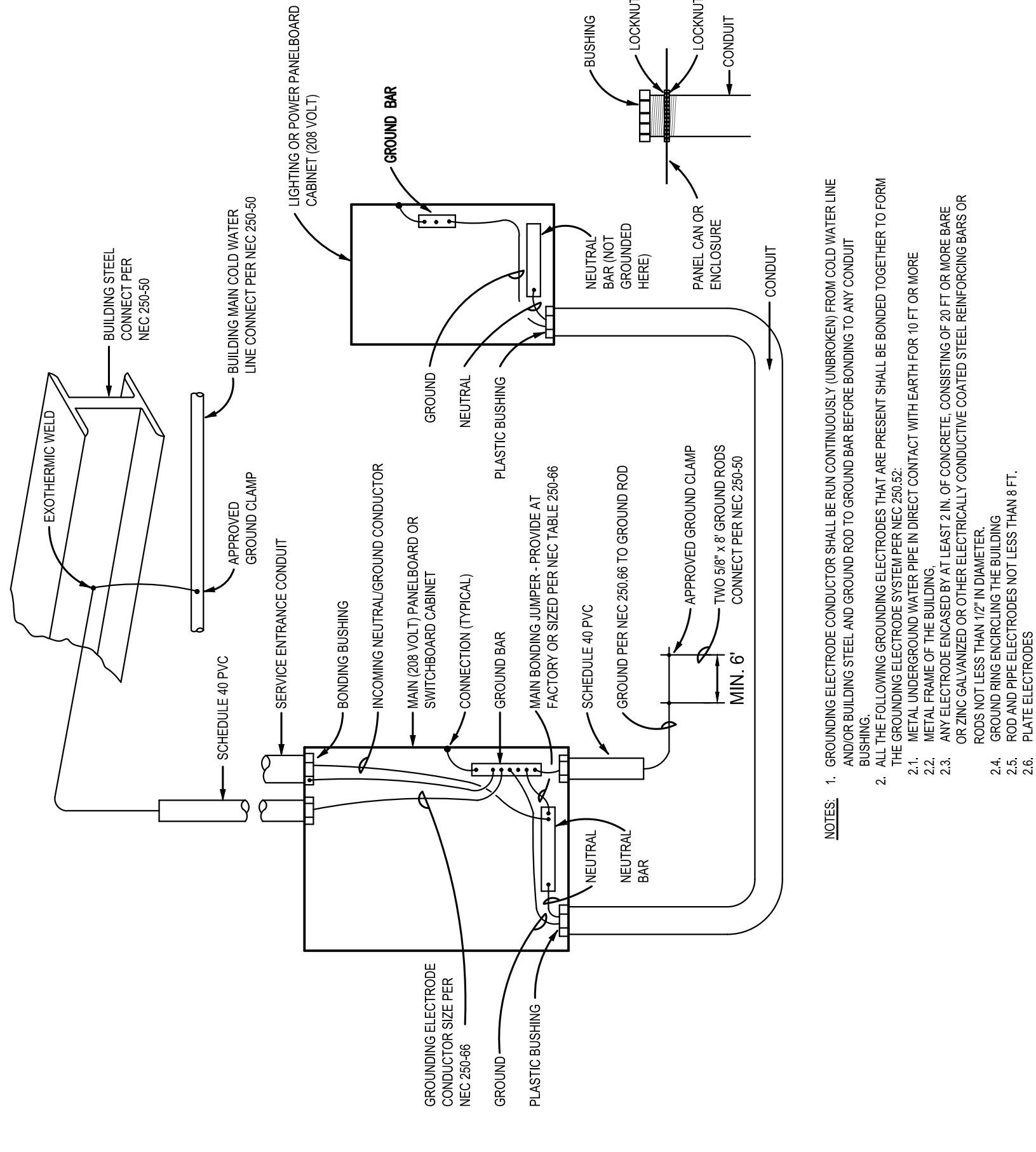
Rev.	Date:	Description:

ELECTRICAL PANEL SCHEDULES & RISER		Building One 29 Draughn Rd, Tarboro, NC 27886	
Title Sheet:		Project:	
Drawn by: J. Thompson		Issue Date: 02/10/2025	
Project Number: 24-034		Sheet: E-3	



ELECTRICAL RISER DIAGRAM

- NO SCALE
- NOTES:
1. ALL RATINGS SHALL BE VERIFIED AND PROPER PLACQUES APPLIED PRIOR TO ENERGIZING.
 2. ELECTRICAL CONTRACTOR SHALL LABEL UTILITY AVAILABLE FAULT CURRENT AND DATE PER NEC.
 3. VERIFY EXACT ELECTRICAL SERVICE REQUIREMENTS WITH LOCAL UTILITY PRIOR TO ORDERING ELECTRICAL SERVICE EQUIPMENT.



TYPICAL BONDING & GROUNDING DIAGRAM

- NO SCALE
- NOTES:
1. GROUNDING ELECTRODE CONDUCTOR SHALL BE RUN CONTINUOUSLY (UNBROKEN) FROM COLD WATER LINE TO BUILDING STEEL AND GROUND ROD TO GROUND BAR BEFORE BONDING TO ANY CONDUIT BUSHINGS.
 2. ALL THE FOLLOWING GROUNDING ELECTRODES THAT ARE PRESENT SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM:
 - 2.1. METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH EARTH FOR 10 FT OR MORE
 - 2.2. METAL FRAME OF THE BUILDING
 - 2.3. ANY ELECTRODE ENCASED BY AT LEAST 2 IN. OF CONCRETE CONSISTING OF 20 FT OR MORE BARS
 - 2.4. GROUND RING ENCASED BY THE BUILDING
 - 2.5. METAL CASES OF ALL CONDUITS COATED STEEL WITH GROUNDING BARS OR RODS NOT LESS THAN 1/2" IN DIAMETER
 - 2.6. RAYE ELECTRODES

