

CS



Name of Project: LOUNGE ADDITION FOR HARNETT REGIONAL AIRPORT HANGAR PortD / PIN: 0417004916000  
Address: 497 AIRPORT ROAD Zip Code: 28339  
Proposed Use: AIRCRAFT HANGAR (U)  
Owner or Authorized Agent: BRIAN RAYNOR Phone 910-824-1238 E-Mail bryanr@highlandpaving.com  
Owned by: - ☒ City/County Erwin ☐ State NORTH CAROLINA  
Code Enforcement Jurisdiction: ☒ City ERWIN ☐ County HARNETT COUNTY ☐ State NORTH CAROLINA

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	N/A	N/A	N/A	N/A	N/A
Civil	N/A	N/A	N/A	N/A	N/A
Electrical	JCE	KELLY J. DODSON	NC PE 42009	(910) 822-1724	kellyjo@jenkincase.pro
Fire Alarm	N/A	N/A	N/A	N/A	N/A
Plumbing	JCE	KELLY J. DODSON	NC PE 42009	(910) 822-1724	kellyjo@jenkincase.pro
Mechanical	JCE	KELLY J. DODSON	NC PE 42009	(910) 822-1724	kellyjo@jenkincase.pro
Sprinkler-Standpipe	N/A	N/A	N/A	N/A	N/A
Structural:	JCE	KELLY J. DODSON	NC PE 42009	(910) 822-1724	kellyjo@jenkincase.pro
INTERIOR WALLS	N/A	N/A	N/A	N/A	N/A
Retaining Walls >5' High	N/A	N/A	N/A	N/A	N/A
Building	JCE	KELLY J. DODSON	NC PE 42009	(910) 822-1724	kellyjo@jenkincase.pro

<b>BASIC BUILDING DATA</b>									
Construction Type: (check all that apply)		<input type="checkbox"/> I-A	<input type="checkbox"/> II-A	<input type="checkbox"/> III-A	<input type="checkbox"/> IV	<input type="checkbox"/> V-A			
		<input type="checkbox"/> I-B	<input checked="" type="checkbox"/> II-B	<input type="checkbox"/> III-B	<input type="checkbox"/>	<input type="checkbox"/> V-B			
Sprinklers:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Partial	<input type="checkbox"/> NFPA 13	<input type="checkbox"/> NFPA 13R	<input type="checkbox"/> NFPA 13D				
Stairwells:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> I	<input type="checkbox"/> II	<input type="checkbox"/> III	<input type="checkbox"/> Wet	<input type="checkbox"/> Dry			
Primary Fire District:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	(APPENDIX D)						
Special Inspections Required:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	Flood Hazard Area: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes						

Primary Occupancy Classification(s):		ALLOWABLE AREA				
Assembly	<input type="checkbox"/> A-1	<input type="checkbox"/> A-2	<input type="checkbox"/> A-3	<input type="checkbox"/> A-4	<input type="checkbox"/> A-5	
Business						
Educational						
Factory	<input type="checkbox"/> F-1 Moderate	<input type="checkbox"/> F-2 Low				
Hazardous	<input type="checkbox"/> H-1 Detonate	<input type="checkbox"/> H-2 Deflagrate	<input type="checkbox"/> H-3 Combust	<input type="checkbox"/> H-4 Health	<input type="checkbox"/> H-5 HPM	
Institutional	<input type="checkbox"/> I-1	<input type="checkbox"/> I-2	<input type="checkbox"/> I-3	<input type="checkbox"/> I-4		
I-1 Condition	<input type="checkbox"/> 1 <input type="checkbox"/> 2					
I-2 Condition	<input type="checkbox"/> 1 <input type="checkbox"/> 2					
I-3 Condition	<input type="checkbox"/> 1 <input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5		
Mercantile	<input type="checkbox"/>					
Residential	<input type="checkbox"/> R-1	<input type="checkbox"/> R-2	<input type="checkbox"/> R-3	<input type="checkbox"/> R-4		
Storage	<input type="checkbox"/> S-1 Moderate	<input type="checkbox"/> S-2 Low		<input type="checkbox"/> High-piled		
	<input type="checkbox"/> Parking Garage	<input type="checkbox"/> Open	<input type="checkbox"/> Enclosed	<input type="checkbox"/> Repair Garage		

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

$$\frac{N/A}{N/A} + \frac{N/A}{N/A} = - \leq 1.00$$

1 Frontage area increases from Section 506.3 are computed thus:

- Perimeter which fronts a public way or open space having 20 feet minimum width = 120 (F)
- Total Building Perimeter = 390 (P)
- Ratio (F/P) = .31 (F/P)

W = Minimum width (weighted average) of public way = 150 (W) where  $W = (L_1 \times W_1 + L_2 \times W_2) / F$  (Equation 5-4)

e. Percent of frontage increase =  $1 - 100 [F/P - 0.25] \times W/30 = 71$  (%) (Equation 5-5)

<sup>2</sup> Unlimited area applicable under conditions of Sections 507

1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

PERCENTAGE OF WALL OPENING CALCULATIONS				
EXTERIOR WALL	FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINE	DEGREE OF OPENINGS PROTECTION (TABLE 705.3)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
North	N/A	N/A	N/A	N/A
South	N/A	N/A	N/A	N/A
East	N/A	N/A	N/A	N/A
West	N/A	N/A	N/A	N/A

Emergency Lighting:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Exit Signs:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Fire Alarm:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Smoke Detection Systems:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Partial <input type="checkbox"/> Duct Detectors
Carbon Monoxide Detection:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Life Safety Systems Generator:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

Life Safety Plan Sheet #      :        LS        LIFE SAFETY PLAN REQUIREMENTS

☐ Fire and/or smoke rated wall locations (Chapter 7)

☐ Assumed and real property line locations (if not on the site plan)

☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)

☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)

☒ Occupant loads for each area

☒ Exit access travel distances (1017)

☐ Common path of travel distances [1006.2.1 & 1006.3.2(1)]

☒ Dead end lengths (1020.4)

☒ Clear exit widths for each exit door

☐ Minimum calculated occupant load capacity each room can accommodate based on egress width (1005.3)

☒ Actual occupant load for each exit door

☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation

☐ Location of doors with panic hardware (1010.1.10)

☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)

☐ Location of doors with electromagnetic egress locks (1010.1.9.9)

☐ Location of doors equipped with hold-open devices

☐ Location of emergency escape windows (1030)

☐ The square footage of each fire area (903)

☐ The square footage of each smoke compartment for Occupancy Classification I-II (407.5)

☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE PARKING (SECTION 1106)					
LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED		TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132' ACCESS AISLE	
EXISTING TO REMAIN					
TOTAL					

\*\*\*NOTE: THIS BUSINESS HAS OCCUPANT LOADS LESS THAN 25. NO HI-LOW DRINKING FOUNTAIN IS REQUIRED

Description of assembly:	4" CONCRETE SLAB
U- Value of total assembly:	
R- Value of insulation:	
Horizontal/vertical requirement:	
slab heated:	

ELECTRICAL SUMMARY (SEE DRAWING SHEET N/A)

497 AIRPORT RD  
ERWIN, NORTH CAROLINA, 28339



DESIGNED / CHECKED BY:	KJD
DRAWN BY:	BT
PROJECT #:	2025-06-04
DATE:	

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY  
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY  
FINAL DRAWING ☒ FOR CONSTRUCTION

OWNER/TENANT:  
\_\_\_\_\_  
\_\_\_\_\_

CONTRACTOR/BUILDER:  
\_\_\_\_\_  
\_\_\_\_\_

ON FOR HARNETT COUNTY AIRPORT HANGAR  
497 AIRPORT RD. ERWIN, NC 28339

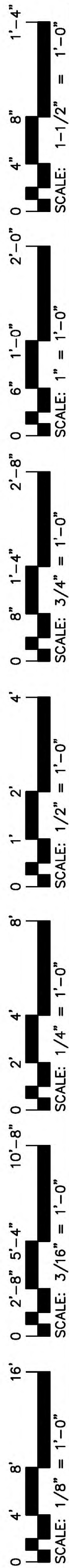
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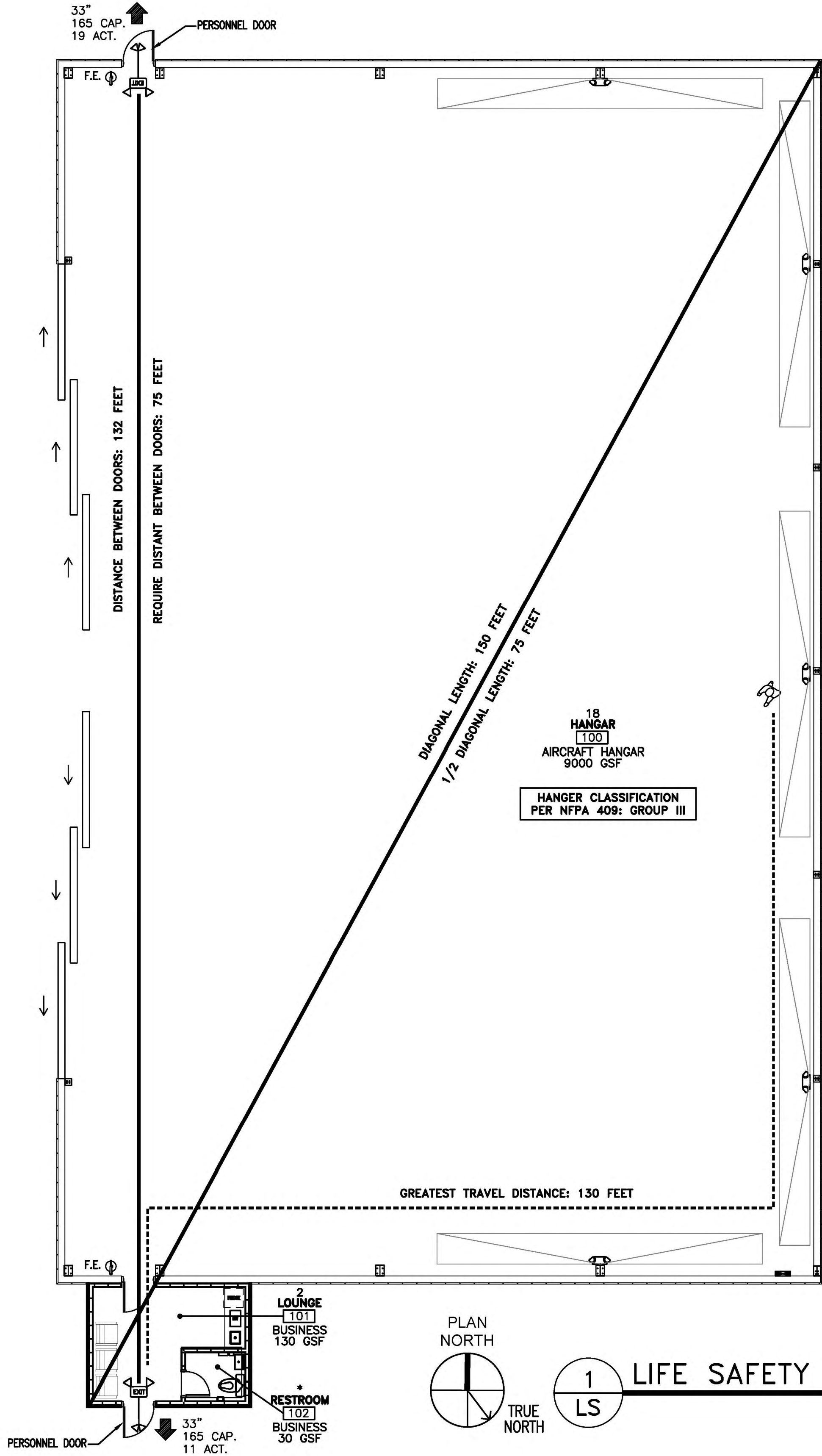
BUILDING CODE SUMMARY

BCS





Drawing File: \\J:\2025\Vermett Co. Airport-190 2025-08-04\Vermett-Airport-Addition-09 August 2025.dwg  
Plotted By: kjd  
Plotted Date: Aug 19, 2025 - 2:11pm



OCCUPANCY CLASSIFICATION per TABLE 1004.5						
SPACE NUMBER	CURRENT SPACE USE	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	ROOM AREA (GROSS SF)	CALCULATED EGRESS OCCUPANCY TOTAL	ACTUAL BUILDING OCCUPANT TOTAL
100	HANGAR	AIRCRAFT HANGARS	500 GROSS	9000	18	18
101	LOUNGE	BUSINESS	100 GROSS	130	2	2
102	RESTROOM	BUSINESS	100 GROSS	30	*	*
TOTAL OCCUPANT COUNT FOR BUILDING & EGRESS CAPACITY					20	
THE EGRESS CAPACITY SHALL BE BASED UPON OCCUPANT LOAD OF 20 PERSONS (* DENOTES OCCUPANT NUMBER ACCOUNTED FOR IN OCCUPANT TOTAL						

### AIRCRAFT HANGAR- LOUNGE ADDITION

GROSS SQUARE FOOTAGE OF HANGAR 9000 SQ. FT.  
GROSS SQUARE FOOTAGE OF THE LOUNGE ADDITION 192 SQ. FT.  
TOTAL GROSS SQUARE FOOTAGE OF BUILDING 9192 SQ. FT.  
TYPE OF CONSTRUCTION: II-B  
BUILDING IS TO BE USED AS AN AIRCRAFT HANGAR (U)

OCCUPANT LOAD FOR CALCULATING EGRESS CAPACITY:  
SPACE OCCUPANCY BY FUNCTION OF SPACE  
SEE TABLE ON THIS SHEET FOR INDIVIDUAL SPACE TOTALS  
TOTAL OCCUPANT LOAD BY AREAS = 20 PERSONS

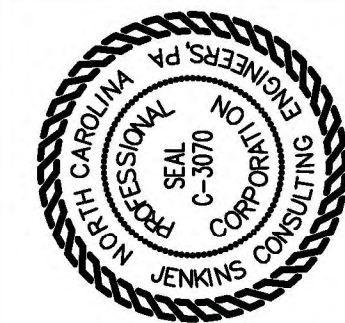
THIS BUILDING IS NOT PROTECTED BY FIRE SPRINKLERS  
THERE IS NO FIRE ALARM SYSTEM.  
GREATEST TRAVEL DISTANCE SHOWN: 130 FEET. (PER 1017)  
MAXIMUM ALLOWABLE TRAVEL DISTANCE: 300 FEET (PER TABLE 1017.2)  
THE COMMON PATH OF TRAVEL IS LESS THAN 100 FEET. (PER 1006.2.1)  
THERE ARE NO DEAD END CORRIDORS OVER 50 FEET. (PER 1020.4)

EXIT WIDTH CALCULATIONS:  
20 PERSONS \* 0.2"/OCCUPANT = 4" REQUIRED, 66" TOTAL PROVIDED. (PER 1005.1)  
NUMBER OF EXITS REQUIRED: TWO (2) ACCESSIBLE  
NUMBER OF EXITS PROVIDED: TWO (2) ACCESSIBLE

EGRESS DOORS DO NOT REQUIRE PANIC HARDWARE. (PER 1010.1.10)  
DOORS DO NOT HAVE DELAYED EGRESS LOCKS (PER 1010.1.9.7)  
DOORS DO NOT HAVE ELECTROMAGNETIC EGRESS LOCKS (PER 1010.1.9.9)  
DOORS DO NOT HAVE HOLD OPEN DEVICES.  
THERE ARE NO EMERGENCY ESCAPE WINDOWS (PER 1030)  
NO. OF FIRE EXTINGUISHERS PROVIDED:  
PROVIDE TWO (2) NEW FIRE EXTINGUISHER AT THIS BUILDING  
FIRE EXTINGUISHER FOR CLASS A FIRE HAZARDS REQUIRE NO GREATER THAN 75 FT OF MAXIMUM TRAVEL DISTANCE IN LOW, ORDINARY AND EXTRA HAZARD OCCUPANCY.

#### LEGEND

SYMBOL	DESCRIPTION
F.E. Ⓢ	ABC FIRE EXTINGUISHER SUGGESTED LOCATION
---	GREATEST TRAVEL DISTANCE
33"	EXIT WIDTH, 36" - 3 = 33" CLEAR WIDTH.
165 CAP. 22 ACT.	EXIT CAPACITY (NUMBER OF PERSONS) ACTUAL OCCUPANT LOAD FOR EXIT DOOR
EXIT	EXIT SIGN
EM	EMERGENCY LIGHT
36"	aisle width where shown
EXIT	EXIT SIGN WITH EMERGENCY LIGHTING
ROOM LABEL	DESCRIPTION
2 HANGAR 100	OCCUPANT TOTAL ROOM NAME ROOM NUMBER
AIRCRAFT HANGAR 100 SF	FUNCTION TYPE SPACE AREA



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910.822.1724



19 AUGUST 2025

DESIGNED / CHECKED BY: **KJD**  
DRAWN BY: **BT**  
PROJECT #: **2025-06-04**  
DATE: **19 AUGUST 2025**

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY  
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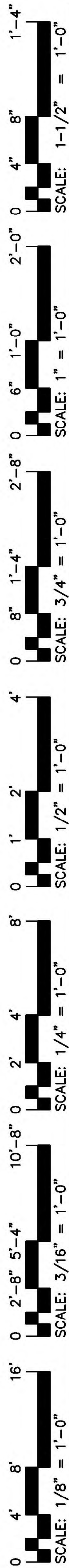
PROJECT: **AN ADDITION FOR HARNETT COUNTY AIRPORT HANGAR**  
**497 AIRPORT RD. ERWIN, NC 28339**  
SHEET: **BUILDING LIFE SAFETY - EGRESS PLAN**

LS









Drawn: J. Jenkins  
Checked: J. Jenkins  
Designed: J. Jenkins  
Date: 19 AUGUST 2025

**REINFORCING STEEL**  
ALL REINFORCING STEEL SHALL BE DEFORMED STEEL BARS CONFORMING TO A.S.T.M. A615, GRADE 60.  
ALL REINFORCING STEEL SHALL BE MANUFACTURED, DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH A.C.I. 318R AND A.C.I. SP 66.  
WELDED WIRE FABRIC SHALL CONFORM TO A.S.T.M. A185, IN AS LONG A LENGTH AS IS PRACTICAL. WELDED WIRE FABRIC SHALL BE LAPPED AT LEAST ONE GRID WIDTH PLUS 2".  
REINFORCEMENT SHALL BE BENT COLD AND SHALL NOT BE WELDED.

**SPLICES:**  
REINFORCEMENT IN CONCRETE AND MASONRY SHALL HAVE LAP LENGTHS AS FOLLOWS, UNLESS OTHERWISE SPECIFIED ON DRAWINGS:

BAR SIZE:	IN CONCRETE:	IN MASONRY:
#3	1'-6"	2'-0"
#4	2'-0"	2'-6"
#5	2'-6"	3'-0"

**PLACEMENT:**  
REINFORCEMENT SHALL BE ACCURATELY PLACED AND SUPPORTED BY CONCRETE, METAL, OR OTHER APPROVED CHAIRS, SPACERS OR TIES, AND SECURED AGAINST DISPLACEMENT DURING CONCRETE OR GROUT PLACEMENT.

EXCEPT WHERE OTHERWISE NOTED, REINFORCEMENT SHALL HAVE CONCRETE COVER AS FOLLOWS:

CONCRETE DEPOSITED AGAINST EARTH	3"
FORMED CONCRETE AGAINST EARTH	2"
EXTERIOR FACES OF WALLS	1"
TO TOP OF SLABS-ON-GRADE	3/4"

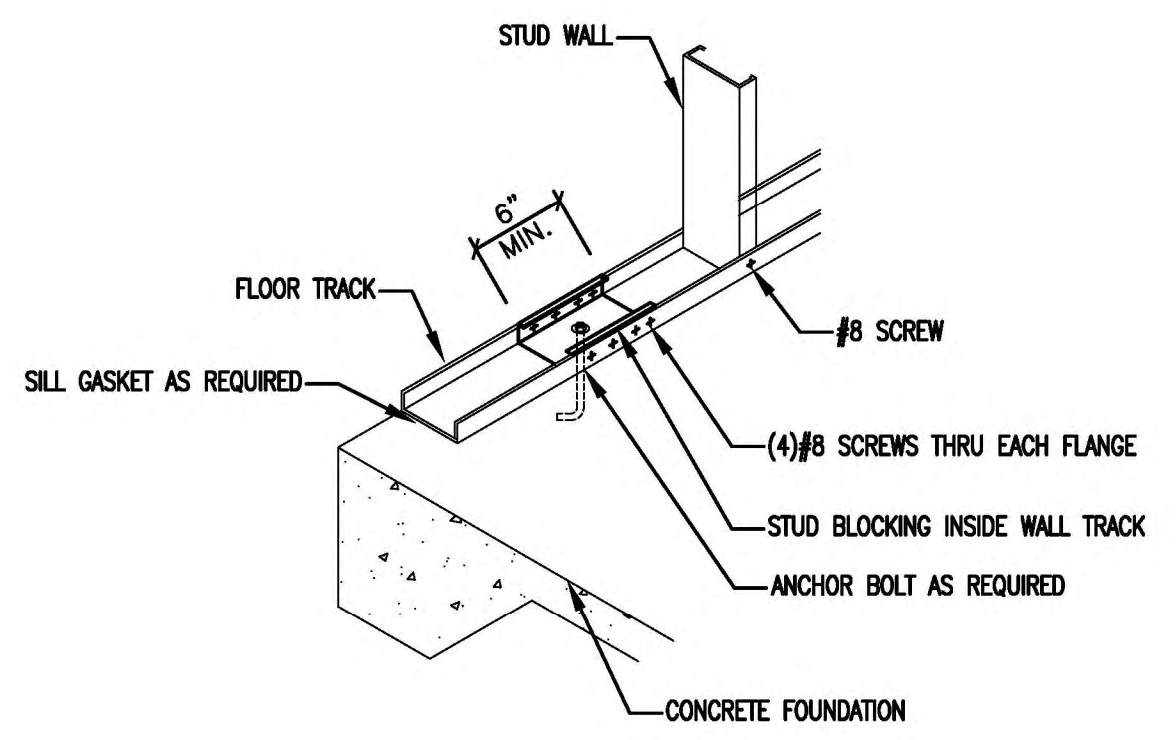
ALL SCALES, LOOSE RUST, GREASE OR DIRT SHALL BE REMOVED FROM THE REINFORCING BEFORE IT IS PLACED.  
PROVIDE #5 HAIRPIN X 20" LONG AT EXTERIOR COLUMN LINES.  
ANCHOR BOLTS SHALL BE (A-3077) HIGH STRENGTH.

**SOIL TREATMENT:**  
ADMINISTRATION AS ACCEPTABLE

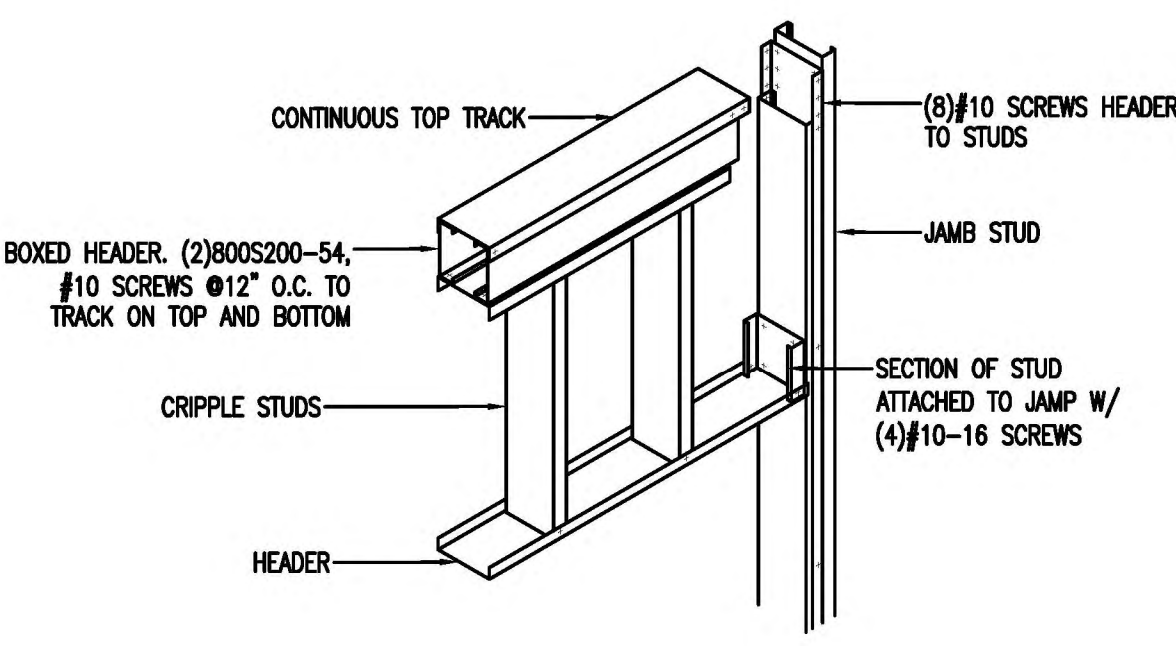
**GENERAL CONDITIONS**  
THE GENERAL CONTRACTOR SHALL MAKE ADEQUATE SANITARY PROVISIONS.  
THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR JOB SAFETY AND COMPLIANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT AS IT MAY REGARD ANY PHASE OF THE WORK ON THIS PROJECT.

**SOIL COMPACTION AND TESTING**  
THE GENERAL CONTRACTOR SHALL OBTAIN THE SERVICES OF A TESTING LABORATORY, SUCH AS SOME OR LAW ENGINEERING FOR THE PURPOSE OF DETERMINING THE SUITABILITY OF THE SUBSURFACE CONDITIONS AND THE BEARING CAPACITIES OF ALL AREAS BELOW CONCRETE (2000psf ASSUMED).  
THE SOIL AND BEARING REPORT SHALL BE SUBMITTED PRIOR TO EXCAVATING, WHERE POSSIBLE, BUT PRIOR TO PLACEMENT OF ANY REINFORCING AND CONCRETE.

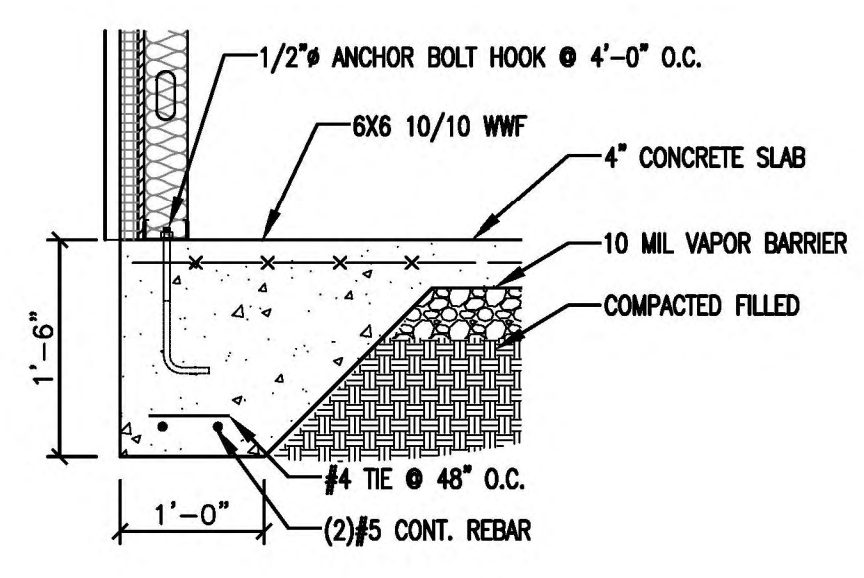
**CONCRETE WORK**  
1. ALL CONCRETE FOR THE PROJECT SHALL BE "READY MIX" AND SHALL COMPLY WITH ASTM C-94. ALL SECTIONS OF THE CONCRETE WORK SHALL COMPLY WITH ALL A.S.T.M. AND A.C.I. REQUIREMENTS.  
2. FORM WORK - ALL FORMS TO BE CAREFULLY BUILT AND SECURED IN PLACE IN SUCH A MANNER AS TO HAVE SUFFICIENT STRENGTH TO CARRY THE DEAD WEIGHT OF THE CONSTRUCTION AS A LIQUID, WITHOUT DEFLECTION OR VIBRATION. FORMS TO BE BUILT TIGHT, TRUE TO POSITION AND DIRECTION, THOROUGHLY BRACED, WIRED AND SPIKED OR OTHERWISE FASTENED TOGETHER.  
3. CONCRETE - MINIMUM OF 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS, MINIMUM OF FIVE SACKS OF CEMENT PER CUBIC YARD OF CONCRETE, MAXIMUM OF 4" SLUMP.  
4. FINISHING - IN ACCORDANCE WITH THE LATEST A.C.I. CODE. PLUMB, LEVEL, TRUE IN LINE, FREE OF HONEYCOMB. BUILDING SLAB SHALL HAVE A HARD STEEL TROWEL FINISH. WALKS SHALL HAVE BROOMED FINISH AND EXPANSION JOINTS AT APPROXIMATELY 50'-0" O.C. AND DUMMY JOINTS AS SHOWN ON THE SITE PLAN.  
5. REMOVAL OF FORMS - FORMS SHALL BE CAREFULLY REMOVED SO AS NOT TO IMPAIR THE FACE OF THE CONCRETE. IMMEDIATELY AFTER THE FORMS ARE REMOVED ALL DAMAGE OF IMPERFECT WORK SHALL BE PATCHED IN A NEAT AND WORKMANLIKE MANNER OR IF BADLY DAMAGED, IN THE OPINION OF THE OWNER, THE WORK SHALL BE REBUILT. THE MINIMUM TIME BEFORE ANY FORMS CAN BE REMOVED IS SEVEN (7) DAYS FOR SUCH MEMBERS AS ARE SUBJECT TO BENDING STRESSES, SUCH AS SLABS.  
6. CURING - USE MEMBRANE CURING METHOD. USE MFG. RATE, SPRAY IMMEDIATELY FOLLOWING FINISHING. PROTECT FROM FREEZING WEATHER, CURE A TOTAL OF 28 DAYS USING A.C.I. METHODS.



3 EXTERIOR WALL TO FOUNDATION CONNECTION  
G2 N.T.S.

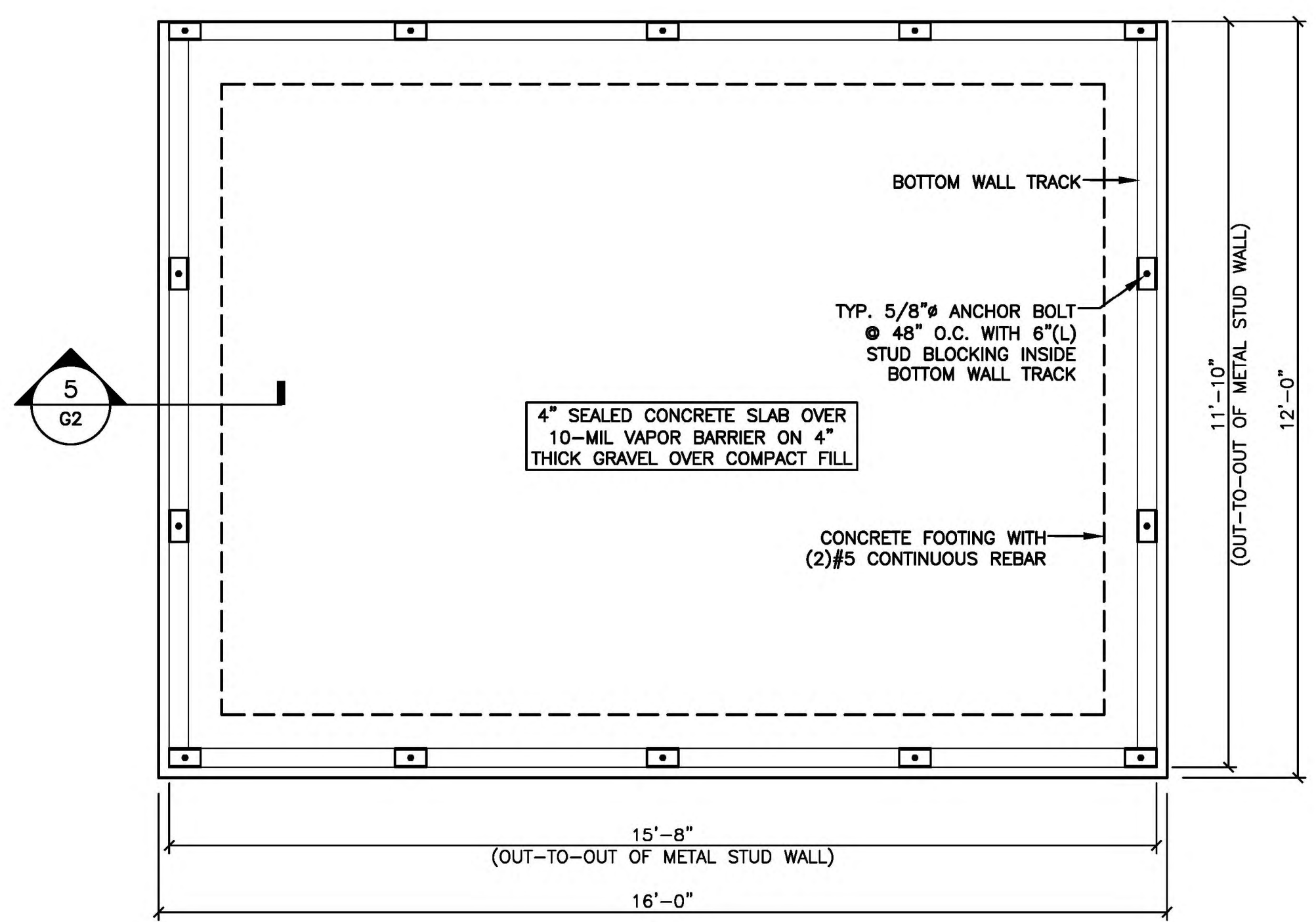


4 LOAD BEARING JAMB AND HEADER DETAIL  
G2

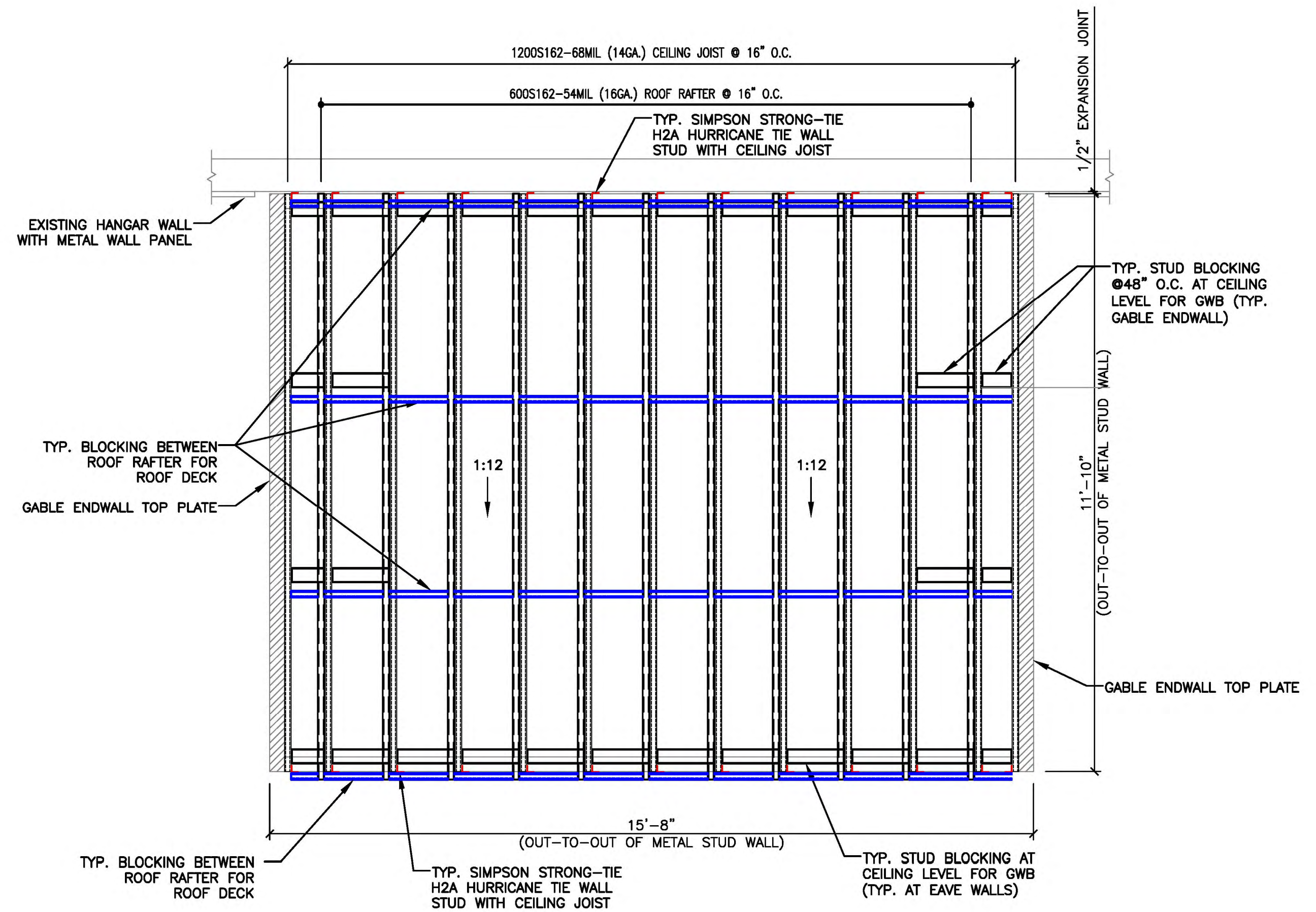


5 TYP. FOOTING DETAIL  
G2

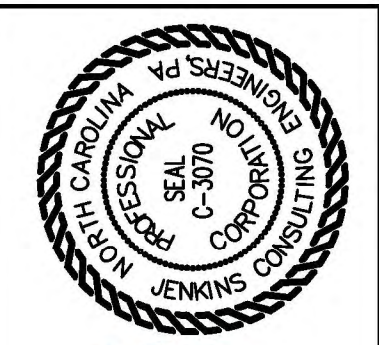
STRUCTURAL DESIGN	
DESIGN LOADS:	
Importance Factors:	Snow (Is) 1.00 Seismic (Ie) 1.00
Live Loads:	Roof 20 psf Mezzanine N/A psf Floor 100 psf
Ground Snow Load:	10 psf
Wind Load:	Ultimate Wind Speed 127 mph (ASCE-7) Exposure Category C
SEISMIC DESIGN CATEGORY:	<input type="checkbox"/> A <input checked="" type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
Provide the following Seismic Design Parameters:	
Risk Category (Table 1604.5)	<input type="checkbox"/> I <input checked="" type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV
Spectral Response Acceleration	SS 18.6 %g S1 8.6 %g
Site Classification (ASCE 7)	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input checked="" type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F
Data Source:	<input type="checkbox"/> Field Test <input checked="" type="checkbox"/> Presumptive <input type="checkbox"/> Historical Data
Basic structural system	<input type="checkbox"/> Bearing Wall <input type="checkbox"/> Dual w/Special Moment Frame <input checked="" type="checkbox"/> Building Frame <input type="checkbox"/> Dual w/Intermediate R/C or Special Steel <input type="checkbox"/> Moment Frame <input type="checkbox"/> Inverted Pendulum
Analysis Procedure:	<input checked="" type="checkbox"/> Simplified <input type="checkbox"/> Equivalent Lateral Force <input type="checkbox"/> Dynamic
Architectural, Mechanical, Components anchored?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
LATERAL DESIGN CONTROL:	Earthquake <input type="checkbox"/> Wind <input checked="" type="checkbox"/>
SOIL BEARING CAPACITIES:	
Field Test (provide copy of test report)	N/A psf
Presumptive Bearing capacity	2,000 psf
Pile size, type, and capacity	N/A



1 FOUNDATION PLAN  
G2  
SCALE: 1/2" = 1'-0"



2 ROOF-CEILING FRAMING PLAN  
G2  
SCALE: 1/2" = 1'-0"



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910.822.1724



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497 AIRPORT RD. ERWIN, NC 28339  
SHEET: FOUNDATION AND FRAMING PLAN

G2











## PLUMBING FIXTURE SCHEDULE








4" WASTE LINE TO PROPERTY SANITARY. SEE SITE PLAN.

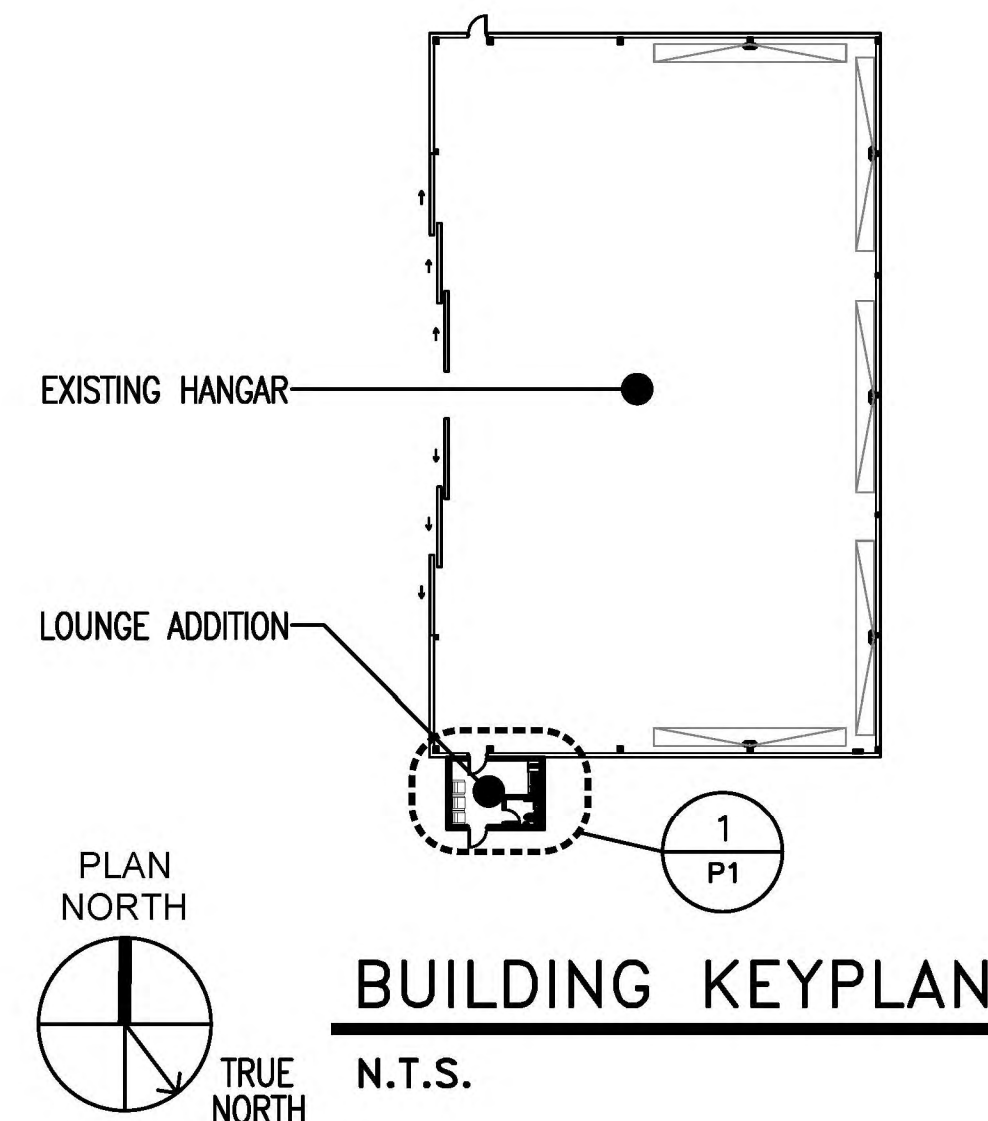
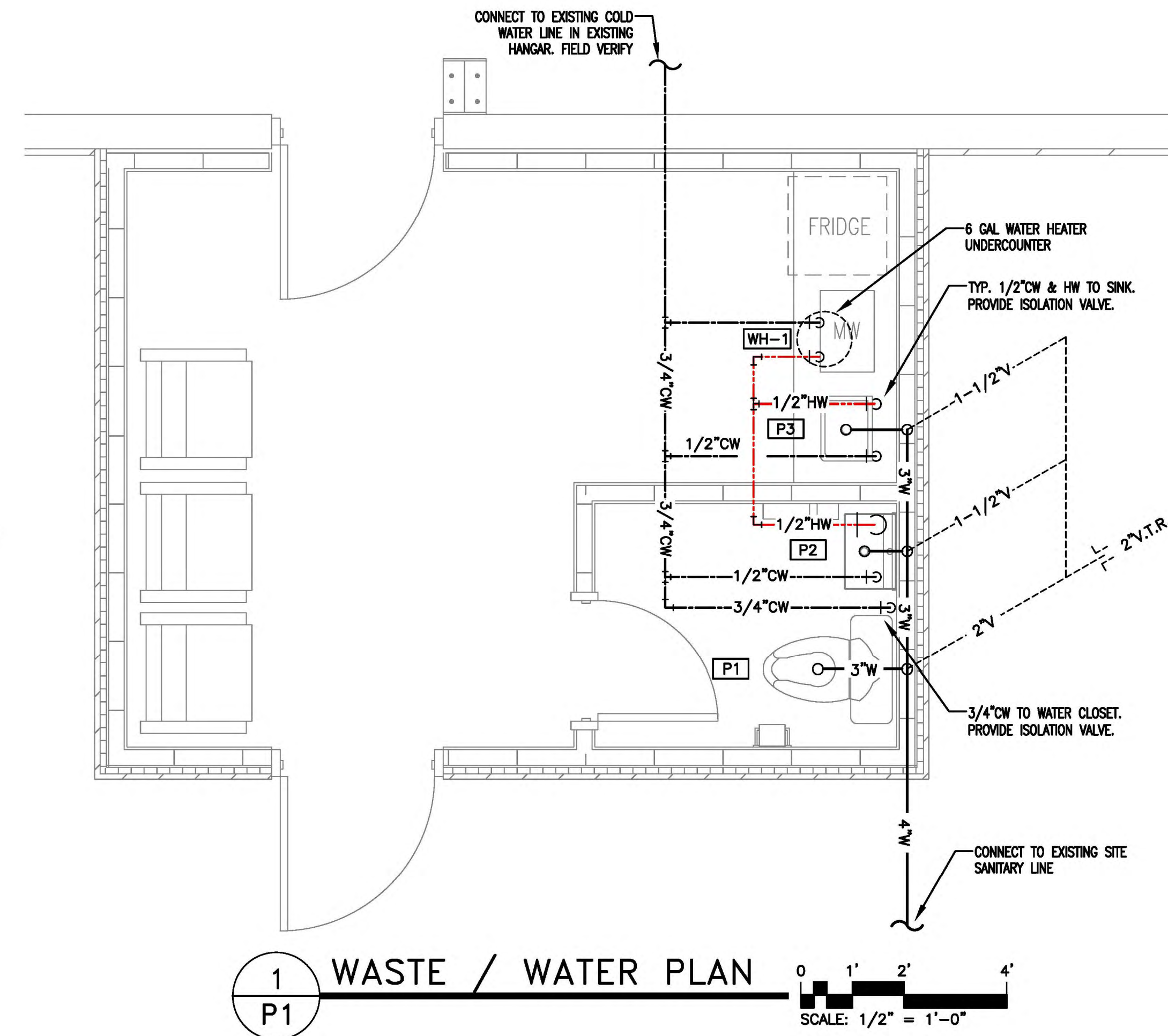
NOT TO SCALE

PLUMBING FIXTURE SCHEDULE										
SYMBOL	MANUFACTURER	MODEL #	FIXTURE DESCRIPTION	FIXTURE MOUNTING	ACCESSORIES	SUPPLY	WASTE	VENT	ELECTRICAL	REMARKS
P1	AMERICAN STANDARD	CADET ADA/ 215AA.104	ELONGATED BOWL; FLUSH TANK TOILET	FLOOR MOUNTED	SEAT: AMERICAN STANDARD / 5901.100	3/4" C.W.	4"	2"		SELECTED MODEL OR EQUAL
P2	HOROW	HR-WS4531W	RECTANGULAR WALL-MOUNT SINK	WALL MOUNTED	SINGLE HOLE FAUCET	1/2" C.W. & H.W.	2"	1-1/2"		SELECTED MODEL OR EQUAL
P3	TBD	TBD	BAR SINK	DROP-IN	PROVIDE BAR SINK FAUCET, DRAIN CONNECTION	1/2" C.W. & H.W.	2"	1-1/2"		SELECTED BY OWNER
WH-1	RHEEM	PRO6 1 RH POU	6 US GAL. WATER HEATER, 2.0KW	UNDERCOUNTER	3/4" T & P RELIEF VALVE; PROVIDE DRAIN PAN	3/4" C.W. & H.W.	-	-	120V 2.0KW	SELECTED MODEL OR EQUAL 120°F OUTLET TEMPERATURE MINIMUM.

WATER CALCULATIONS				
QTY.	ITEM	C.W. FIXTURE UNITS	WATER SUPPLY FIXTURE UNITS EACH	WATER SUPPLY FIXTURE UNITS TOTAL
1	WATER CLOSET	5.0	5.0	5.0
1	LAVATORY	1.5	2.0	2.0
1	BAR SINK	1.5	2.0	2.0
TOTAL WATER SUPPLY FIXTURE UNITS				9

DRAINAGE CALCULATIONS			
QTY.	ITEM	DRAINAGE FIXTURE UNITS	DRAINAGE FIXTURE UNITS TOTAL
1	WATER CLOSET	4.0	4.0
1	LAVATORY	1.0	1.0
1	BAR SINK	2.0	2.0
TOTAL DRAINAGE FIXTURE UNITS			7.0

PLUMBING SYMBOL LEGEND	
	HOT WATER LINE
	COLD WATER LINE
	PIPE TURNS UP
	PIPE TURNS DOWN
	SHUT OFF VALVE
	SANITARY WASTE
	VENT LINE



FINAL DRAWING <input type="checkbox"/> FOR REVIEW PURPOSES ONLY	DESIGNED / CHECKED BY:
PRELIMINARY <input type="checkbox"/> FOR DESIGN DEVELOPMENT ONLY	KJD
FINAL DRAWING <input checked="" type="checkbox"/> FOR CONSTRUCTION	DRAWN BY:
OWNER/TENANT:	BT
CONTRACTOR/BUILDER:	PROJECT #:
	2025-06-04
	DATE:
	19 AUGUST 2025

PROJECT: **AN ADDITION FOR HARNETT COUNTY AIRPORT HANGAR**  
**497 AIRPORT RD. ERWIN, NC 28339**

SHEET: **PLUMBING – WASTE & WATER PLAN**

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