

CS	COVER SHEET & INDEX TO DRAWINGS
BCS	BUILDING CODE SUMMARY
LS	BUILDING LIFE SAFETY – EGRESS PLAN

ME	MECHANICAL & ELECTRICAL PLAN
P1	PLUMBING – WASTE & WATER PLAN

AN ADDITION FOR HARNETT REGIONAL AIRPORT HANGAR

497 AIRPORT ROAD
ERWIN, NORTH CAROLINA 28339

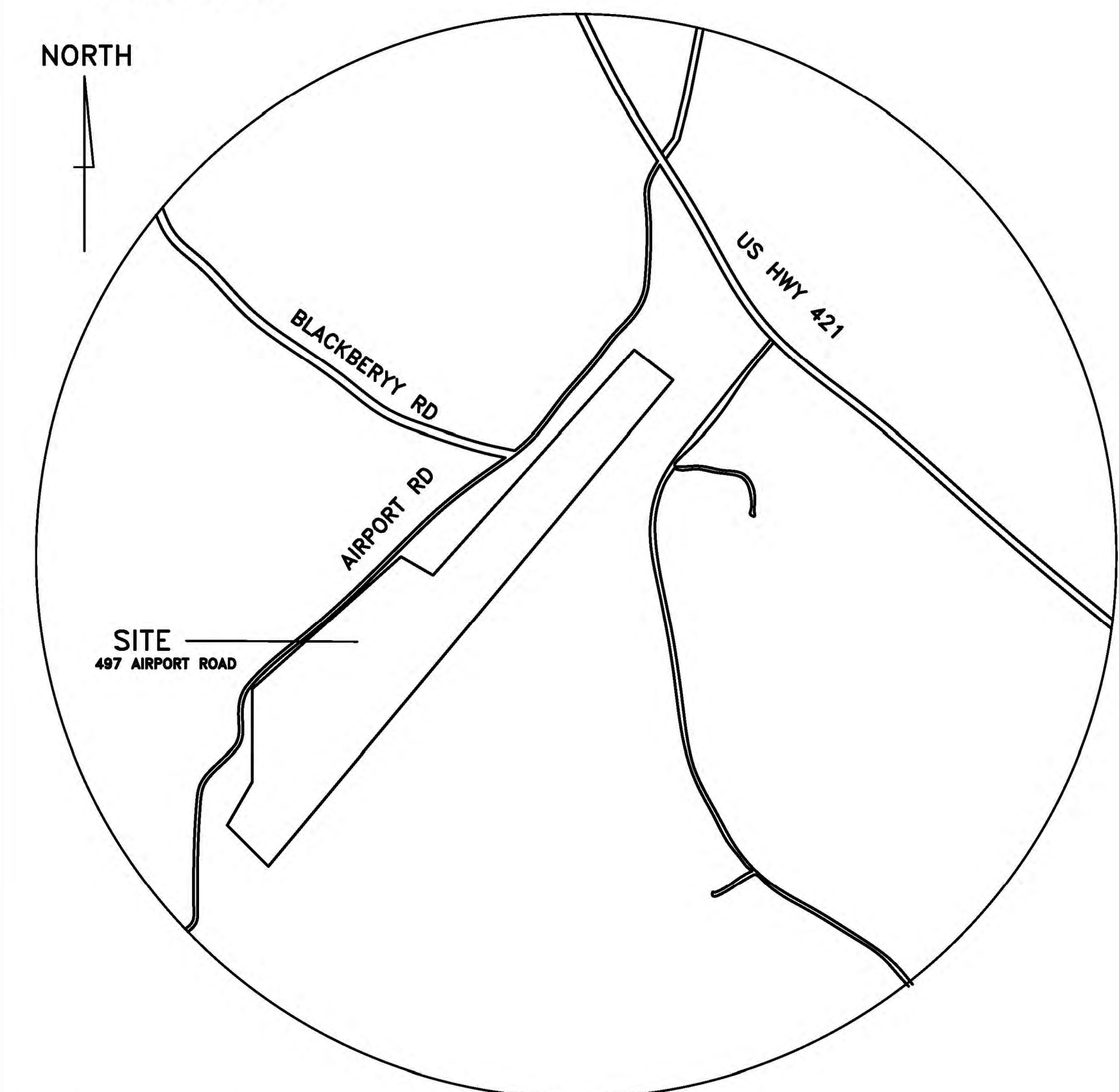
HARNETT COUNTY
INSPECTION DEPARTMENT
420 MCKINNEY PARKWAY
LILLINGTON, NC 27546
910-893-2793

JENKINS CONSULTING ENGINEERS, P.A.
OFFICE in EUREKA SPRINGS, NC
KELLY J. DODSON, PE
DOUGLAS L. JENKINS, PE
1606 MCARTHUR ROAD
FAYETTEVILLE, NC 28311-1002
910-822-1724

APPLICABLE CODES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

BUILDING	2018 NC EXISTING BUILDING CODE
	2018 NC BUILDING CODE
FIRE PREVENTION	2018 NC FIRE CODE
ENERGY	2018 NC ENERGY CONSERVATION CODE
PLUMBING	2018 NC PLUMBING CODE
MECHANICAL	2018 NC MECHANICAL CODE
ELECTRICAL	2020 NATIONAL ELECTRICAL CODE (NFPA-70)

NOT TO SCALE



BUILDING DATA:
THE PROJECT SCOPE IS TO CONSTRUCT A LOUNGE
ADDITION TO AN EXISTING HANGAR BUILDING

1 REV1: 25 AUGUST 2025: BCS 2 REV3: 11 SEPTEMBER 2025: ADA RESTROOM

DESIGNED / CHECKED BY:
KID

DRAWN BY:

BT

PROJECT #: 2025-06-04

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

PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☒ FOR CONSTRUCTION

OWNER/TENANT:

1000000

PROJECT:

AN ADDITION FOR HARNETT COUNTY AIRPORT HANGAR

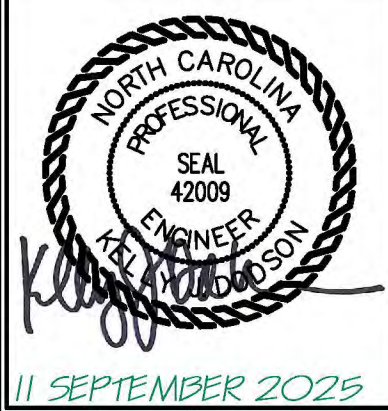
497 AIRPORT RD. ERWIN, NC 28339

COVER & INDEX TO DRAWINGS

PROJECT:

WEST.

CS





THE EGRESS CAPACITY SHALL BE BASED UPON OCCUPANT LOAD OF 20 PERSONS
(*) DENOTES OCCUPANT NUMBER ACCOUNTED FOR IN OCCUPANT TOTAL

LS

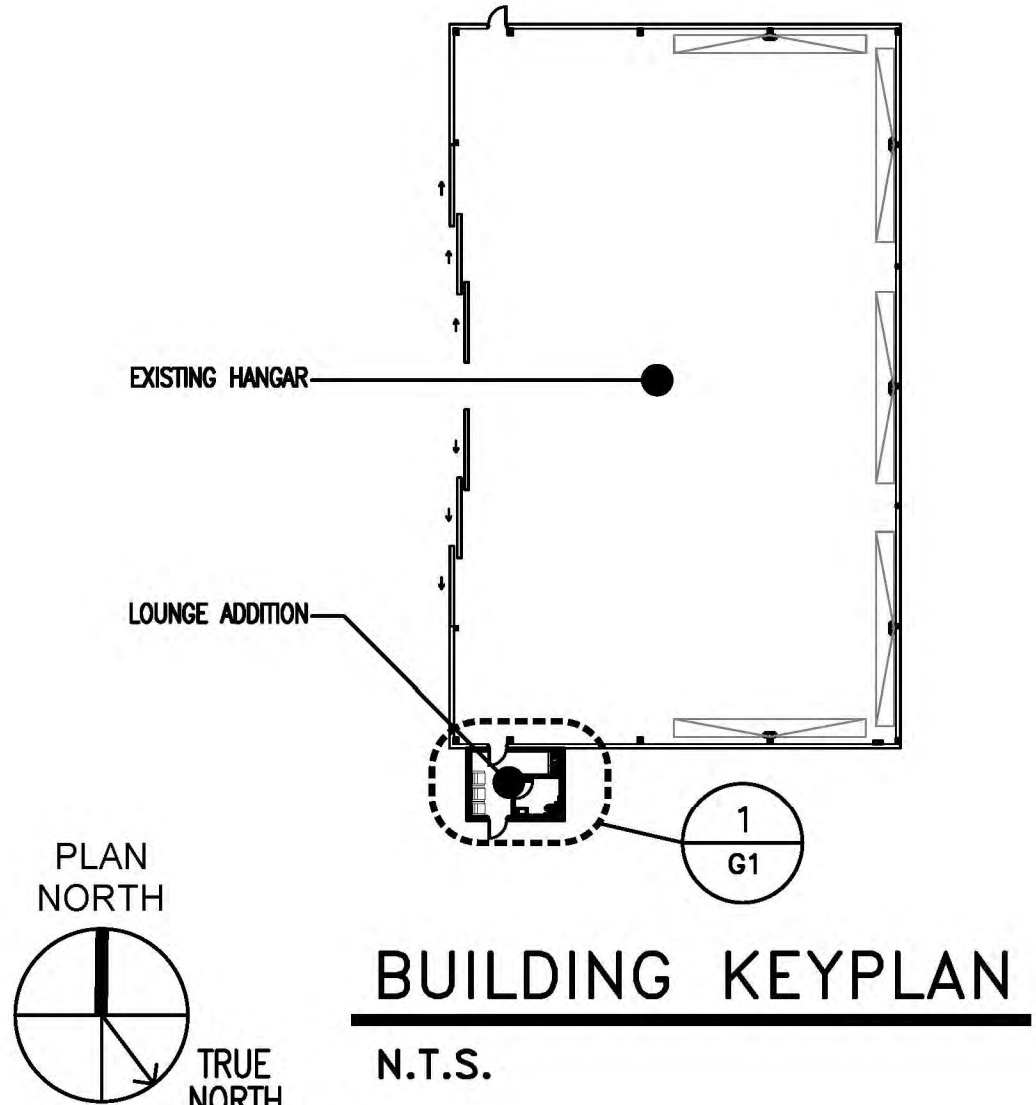
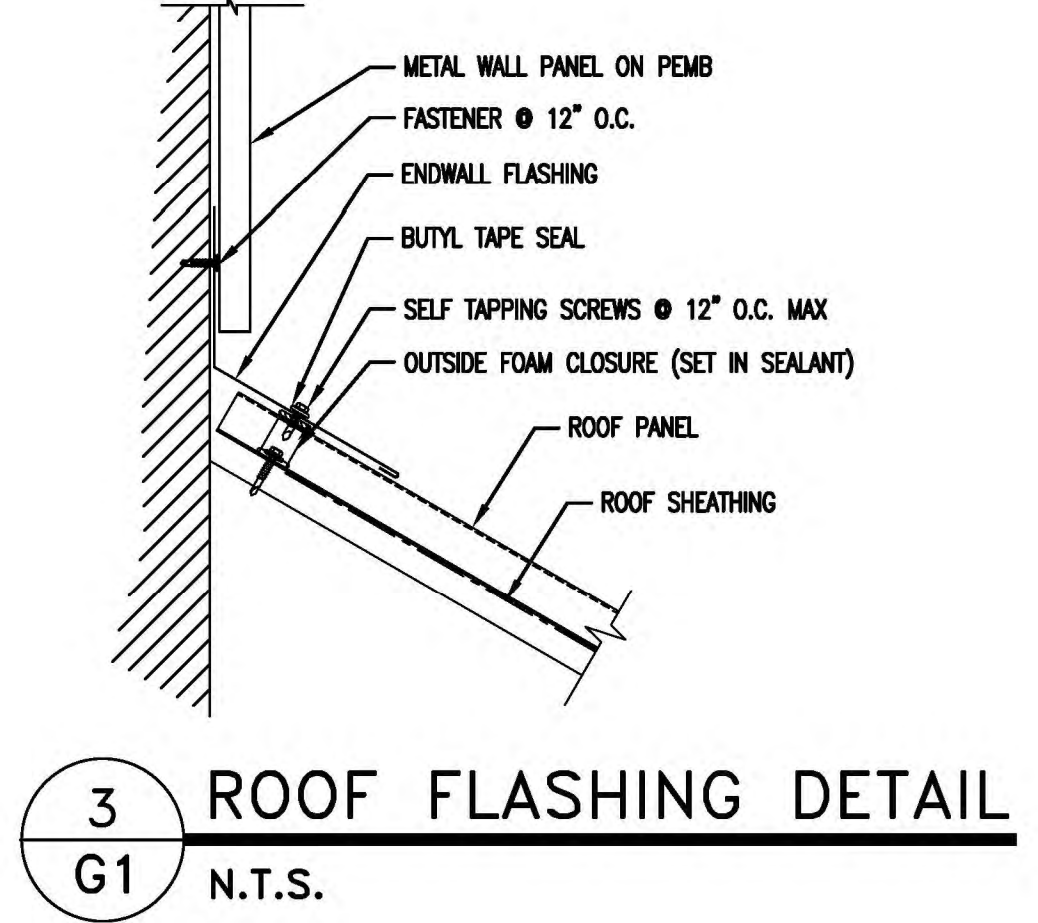
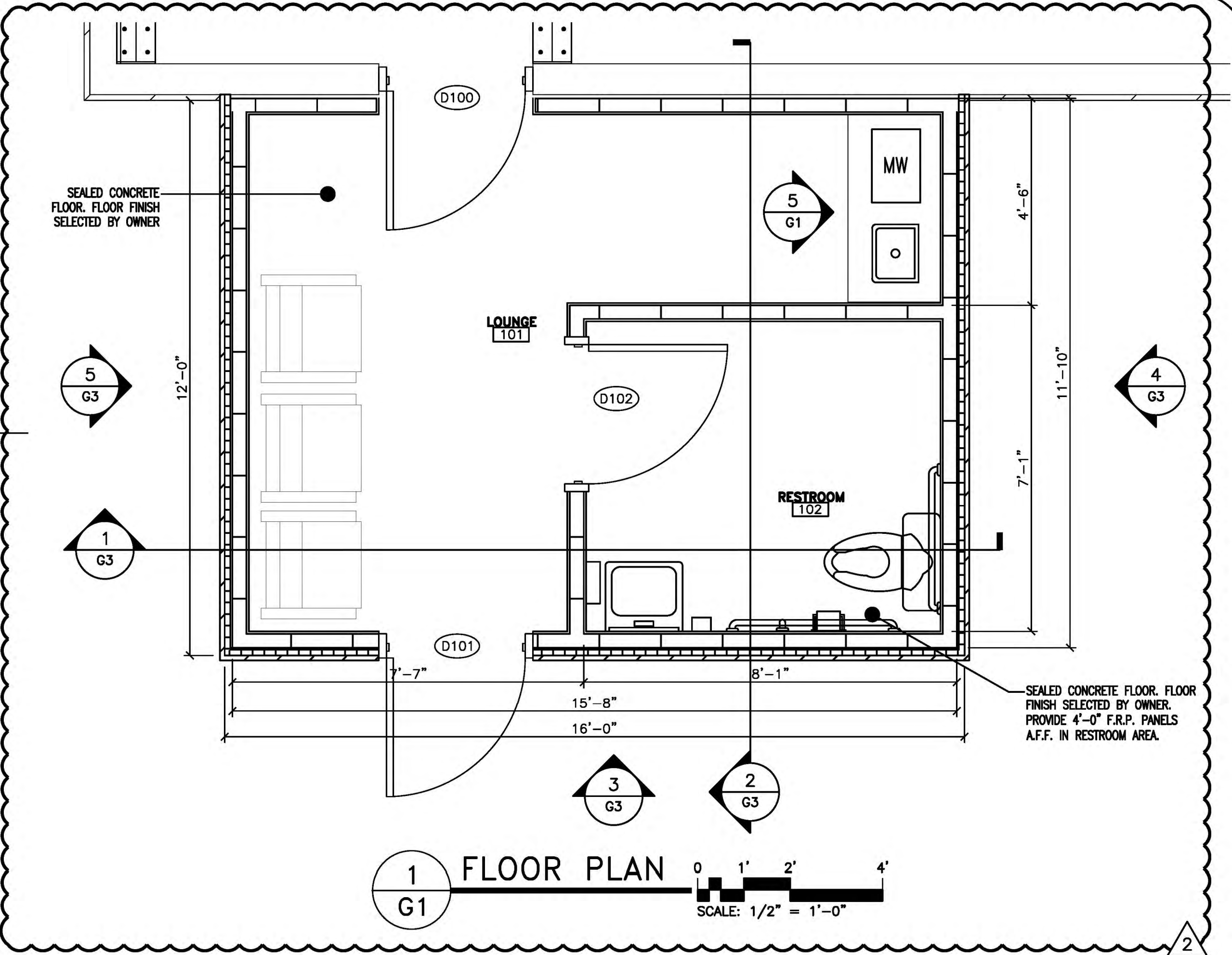
H	HEIGHT	HM	HOLLOW METAL
W	WIDE	P	PAINT
ALUM	ALUMINUM	S	STAIN
WD	WOOD-SOLID CORE	M	METAL
T	THICKNESS	WI	WROUGHT IRON
		VA/B	VERIFY ANODIZED OR BRONZE

4
G1

REFLECTED CEILING PLAN

0 1' 2' 4'

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



PROJECT: **AN ADDITION FOR HARNETT COUNTY AIRPORT HANGAR**

497 AIRPORT RD. ERWIN, NC. 28339

BUILDING FLOOR PLAN

SHEET: **G1**

DATE: **11 SEPTEMBER 2025**

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY

PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY

FINAL DRAWING ☒ FOR CONSTRUCTION

OWNER/TENANT:

CONTRACTOR/BUILDER:

DESIGNED / CHECKED BY: **KJD**

DRAWN BY:

PROJECT #: **2025-06-04**

DATE:

SEAL

42009

ENGINEER

11 SEPTEMBER 2025



SPICES:
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"

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"

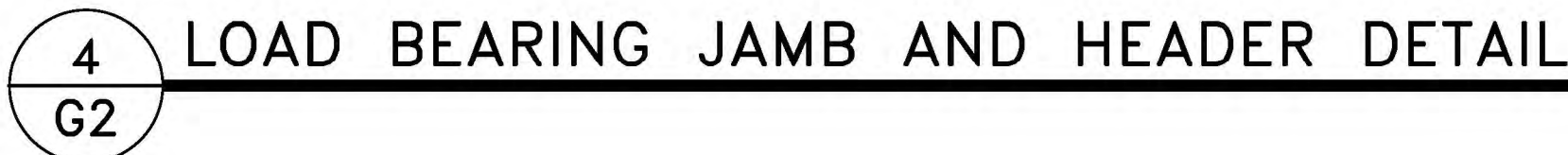
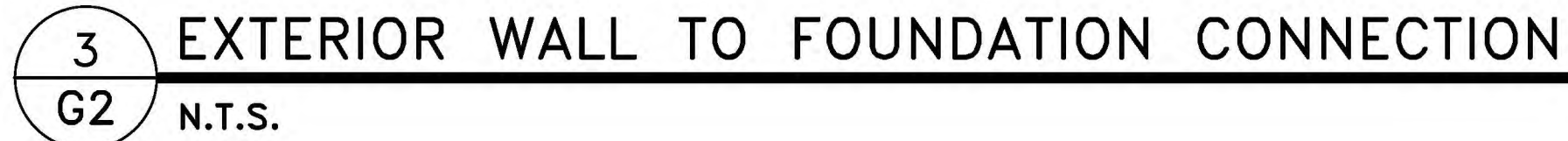
ALL SCALES, LOOSE RUST, GREASE OR DIRT SHALL BE REMOVED FROM THE REINFORCING BEFORE IT IS PLACED.
~~PROVIDE #5 "HAIRPIN" X 20" LONG AT EXTERIOR COLUMN LINES.~~
 ANCHOR BOLTS SHALL BE (A-3077) HIGH STRENGTH.

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 S&ME OR LAW ENGINEERING FOR THE PURPOSE OF DETERMINING THE SUITABILITY OF THE SUBSURFACE CONDITIONS AND THE BEARING CAPACITY 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.

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. ALL FORMS SHALL 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 10' O.C. AND DUNNIP 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.
6. 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.
7. PROTECT FROM FREEZING WEATHER, CURE A TOTAL OF 28 DAYS USING A.C.I. METHODS.



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: ☐ A ☒ B ☐ C ☐ D

Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) ☐ I ☒ II ☐ III ☐ IV
Spectral Response Acceleration SS 18.6 % S1 8.6 %

Site Classification (ASCE 7) ☐ A ☐ B ☐ C ☒ D ☐ E ☐ F
Data Source: ☐ Field Test ☒ Presumptive ☐ Historical Data

Basic structural system ☐ Bearing Wall ☐ Dual w/Special Moment Frame
☒ Building Frame ☐ Dual w/intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum

Analysis Procedure: ☒ Simplified ☐ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanical, Components anchored? ☐ Yes ☒ No

LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☒

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) N/A psf
Presumptive Bearing capacity 2000 psf
Pile size, type, and capacity N/A

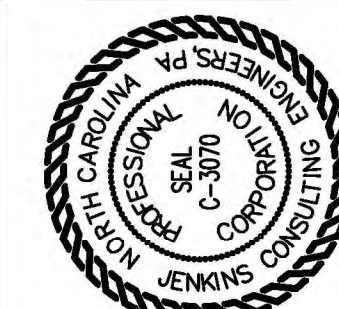




PROJECT: **AN ADDITION FOR HARNETT COUNTY AIRPORT HANGAR**
497 AIRPORT RD. ERWIN, NC 28339

BUILDING ELEVATIONS & SECTIONS

G3



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1800 1777 HUK RD. FAYETTEVILLE, NC 28511-1002
800 222 7222



11 SEPTEMBER 2025

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

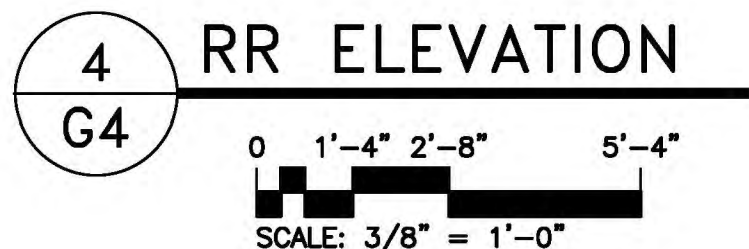
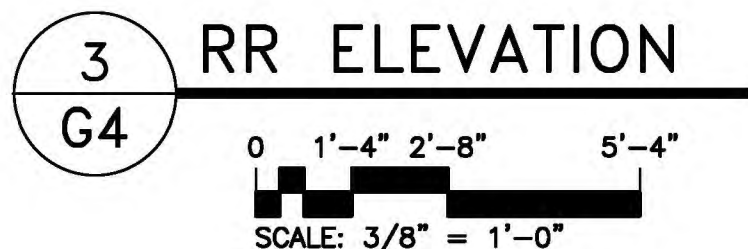
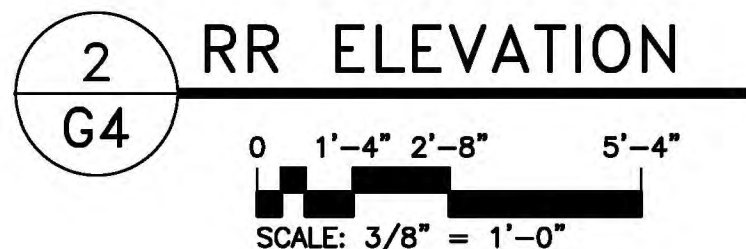
OWNER/TENANT:

CONTRACTOR/BUILDER:



P1

P2



ACCESSORY NOTES:

1. PROVIDE BLOCKING AT ALL WALL MOUNTED ACCESSORIES.
2. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS.
3. INSTALL AT LOCATIONS REQUIRED AND AS SHOWN ON DRAWINGS.
4. ALL TOILET ACCESSORIES TO BE SELECTED BY OWNER
5. ALL TOILET ACCESSORIES TO BE INSTALLED BY CONTRACTOR
6. ALL LAVATORIES & SINKS SHALL HAVE PROTECTIVE COVERING ATTACHED TO THE SUPPLY & DRAIN LINES BELOW THE FIXTURES.

SEE SHEET P1 FOR PLUMBING FIXTURE SCHEDULE

GYPSUM WALL BOARD SHALL BE MOISTURE RESISTANT IN RESTROOM



1 REV1: 25 AUGUST 2025: BCS 2 REV3: 11 SEPTEMBER 2025: ADA RESTROOM

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

ADA RESTROOM DETAILS

G4



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916.652.1724



11 SEPTEMBER 2025

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

1'-4" 1'-0" 8" 4" 2'-0" 0 2'-8" 0 6" 1'-0" 2'-8" 0 8" 1'-4" 4" 0 8" 1'-0" 4" 0 2' 1'-0" 2' 0 1' 1'-0" 8" 0 4" 1'-0" 10'-8" 0 2' 4" 1'-0" 16' 0 2'-8" 5'-4" 0 4" 8" 0 1'-0" 1/8" = 1'-0" 3/16" = 1'-0" 1/4" = 1'-0" 1/2" = 1'-0" 3/4" = 1'-0" 1" = 1'-0" 2" = 1'-0" 4" = 1'-0" 8" = 1'-0" 16" = 1'-0" 32" = 1'-0" 64" = 1'-0" 128" = 1'-0" 256" = 1'-0" 512" = 1'-0" 1024" = 1'-0" 2048" = 1'-0" 4096" = 1'-0" 8192" = 1'-0" 16384" = 1'-0" 32768" = 1'-0" 65536" = 1'-0" 131072" = 1'-0" 262144" = 1'-0" 524288" = 1'-0" 1048576" = 1'-0" 2097152" = 1'-0" 4194304" = 1'-0" 8388608" = 1'-0" 16777216" = 1'-0" 33554432" = 1'-0" 67108864" = 1'-0" 134217728" = 1'-0" 268435456" = 1'-0" 536870912" = 1'-0" 1073741824" = 1'-0" 2147483648" = 1'-0" 4294967296" = 1'-0" 8589934592" = 1'-0" 17179869184" = 1'-0" 34359738368" = 1'-0" 68719476736" = 1'-0" 137438953472" = 1'-0" 274877906944" = 1'-0" 549755813888" = 1'-0" 1099511627776" = 1'-0" 2199023255552" = 1'-0" 4398046511104" = 1'-0" 8796093022208" = 1'-0" 17592186044416" 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