

Drawing File: \\S:\2023\Customers\Hanger\_2023-06-08\045\Harnett-Airport-Foundation-18 Dec 2023 10:45am  
 Printed By: jenkins  
 Printed Date: Jan 29, 2024 - 2:58pm

**SHEET INDEX:**

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- LS BUILDING LIFE SAFETY – EGRESS PLAN
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- G1 BUILDING FLOOR PLAN

PROJECT:

# HARNETT REGIONAL AIRPORT HANGAR

615 AIRPORT ROAD  
 ERWIN, NORTH CAROLINA 28339

PROJECT TEAM:

BUILDING DEPARTMENT:

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

PROJECT DESIGNER:

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

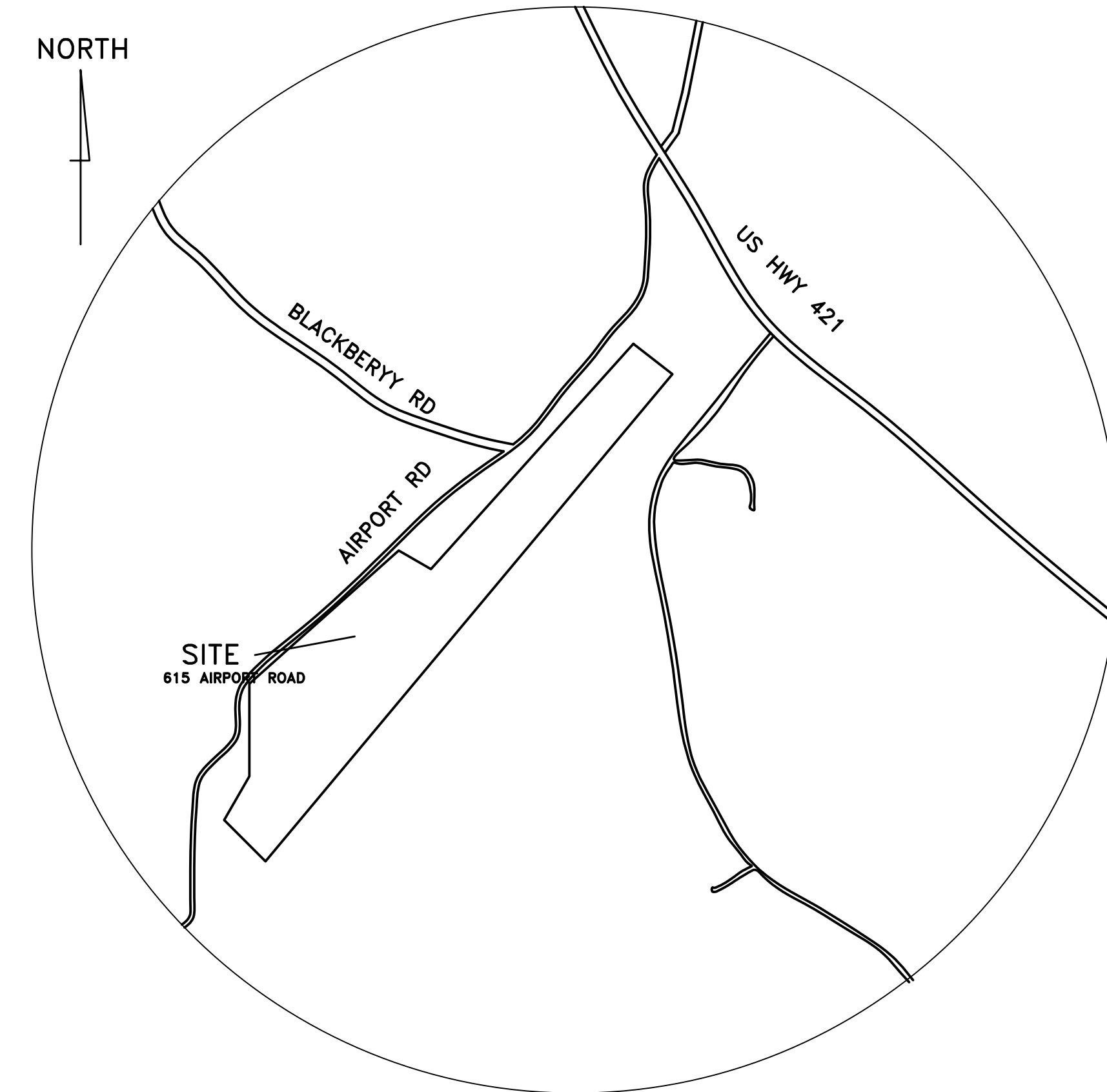
CODE REVIEW:

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

VICINITY PLAN

NOT TO SCALE



BUILDING DATA:

THE PROJECT SCOPE IS TO CONSTRUCT A NEW BUILDING FOR USE AS AN AIRCRAFT HANGAR



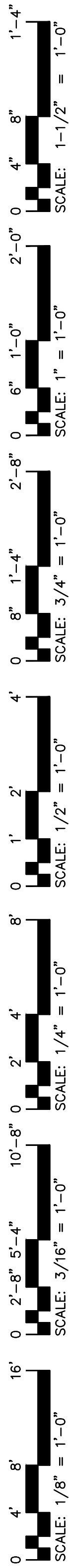
|                        |                 |    |
|------------------------|-----------------|----|
| DESIGNED / CHECKED BY: | KJD             | BT |
| DRAWN BY:              |                 |    |
| PROJECT #:             | 2023-06-09      |    |
| DATE:                  | 29 JANUARY 2024 |    |

|  |  |
|--|--|
| FINAL DRAWING <input type="checkbox"/> FOR REVIEW PURPOSES ONLY    |  |
| PRELIMINARY <input type="checkbox"/> FOR DESIGN DEVELOPMENT ONLY   |  |
| FINAL DRAWING <input checked="" type="checkbox"/> FOR CONSTRUCTION |  |
| OWNER/TENANT:  |  |
| CONTRACTOR/BUILDER:  |  |

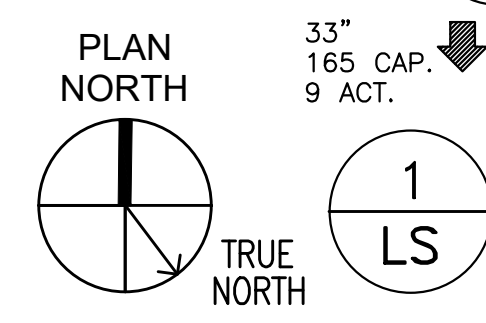
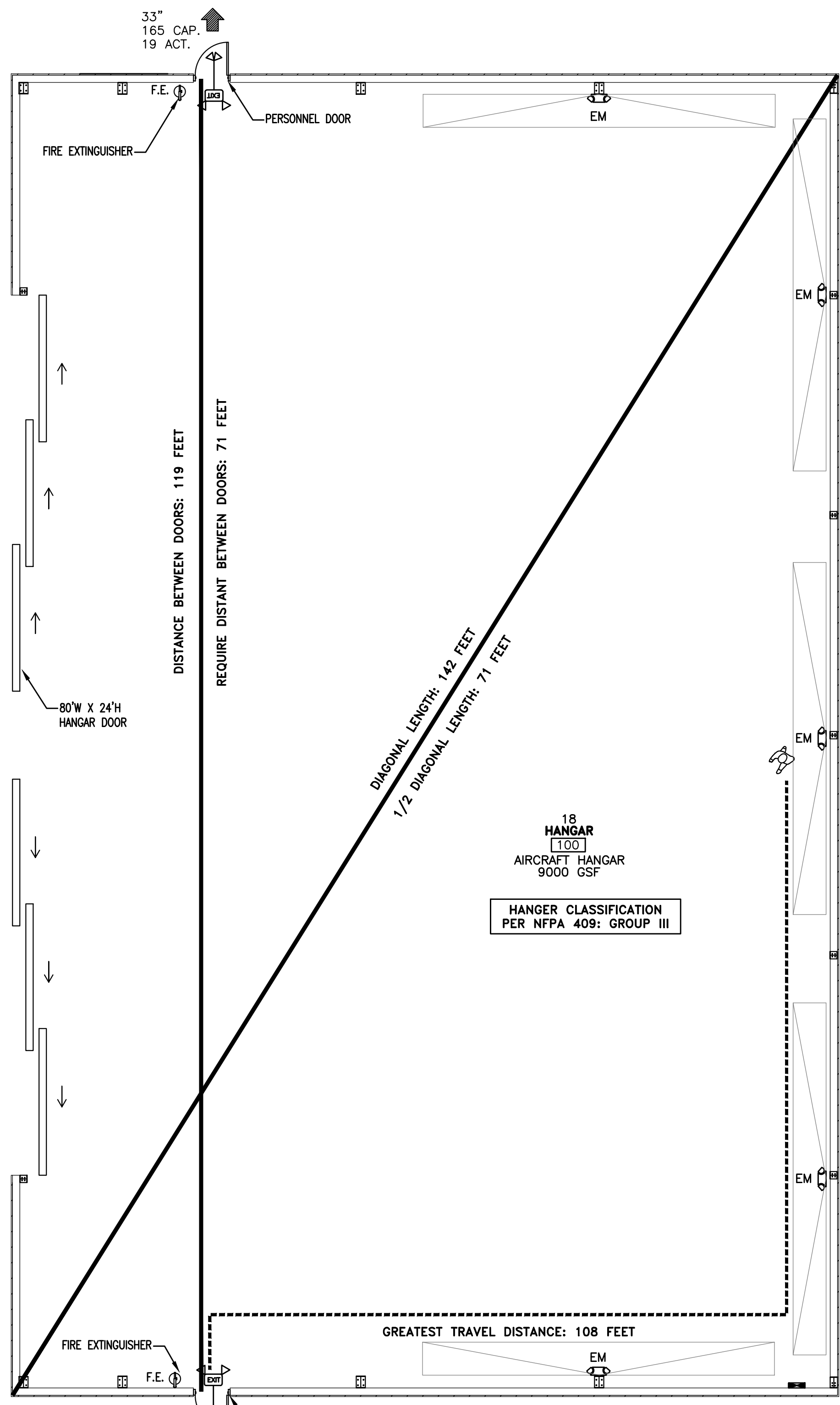
PROJECT: **HARNETT COUNTY AIRPORT HANGAR**  
 615 AIRPORT RD. ERWIN, NC 28339  
 SHEET: COVER & INDEX TO DRAWINGS

CS

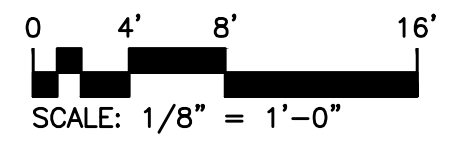




Drawing File: U:\2023\Customers\Hanger 2023-06-08\DWG\Harnett-Airport-Foundation-18 Dec 2023 RLC.dwg  
 Printed By: RLC  
 Printed Date: Sun 29, 2024 - 2:58pm



**LIFE SAFETY / EGRESS PLANS**



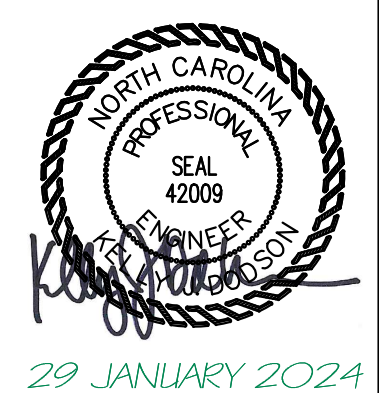
| OCCUPANCY CLASSIFICATION per TABLE 1004.5                           |                   |                   |                      |                      |                                   |                                |
|---|-------------------|-------------------|----------------------|----------------------|-----------------------------------|--------------------------------|
| 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                             |
| TOTAL OCCUPANT COUNT FOR BUILDING & EGRESS CAPACITY                 |                   |                   |                      |                      |                                   | 18                             |
| THE EGRESS CAPACITY SHALL BE BASED UPON OCCUPANT LOAD OF 18 PERSONS |                   |                   |                      |                      |                                   |                                |
| (*) DENOTES OCCUPANT NUMBER ACCOUNTED FOR IN OCCUPANT TOTAL         |                   |                   |                      |                      |                                   |                                |

**AIRCRAFT HANGAR**

GROSS SQUARE FOOTAGE OF BUILDING 9000 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 = 18 PERSONS  
 THIS BUILDING IS NOT PROTECTED BY FIRE SPRINKLERS  
 THERE IS NO FIRE ALARM SYSTEM.  
 GREATEST TRAVEL DISTANCE SHOWN: 108 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:  
 18 PERSONS \* 0.2"/OCCUPANT = 3.6" 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)  
 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<br>SUGGESTED LOCATION                             |
| ---                 | GREATEST TRAVEL DISTANCE  |
| 33"                 | EXIT WIDTH, 36" - 3 = 33" CLEAR WIDTH.                                  |
| 165 CAP.<br>22 ACT. | EXIT CAPACITY (NUMBER OF PERSONS)<br>ACTUAL OCCUPANT LOAD FOR EXIT DOOR |
| EXIT                | EXIT SIGN   |
| EM                  | EMERGENCY LIGHT   |
| 36"                 | AISLE WIDTH WHERE SHOWN   |
| EXIT WITH LIGHTING  | EXIT SIGN WITH EMERGENCY LIGHTING                                       |
| ROOM LABEL          | DESCRIPTION   |
| 2                   | OCCUPANT TOTAL  |
| HANGAR              | ROOM NAME   |
| 100                 | ROOM NUMBER   |
| AIRCRAFT HANGAR     | FUNCTION TYPE   |
| 100 SF              | SPACE AREA  |



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 FINAL DRAWING  FOR CONSTRUCTION  
 OWNER/TENANT:  
 CONTRACTOR/BUILDER:

PROJECT: **HARNETT COUNTY AIRPORT HANGAR**  
 6.15 AIRPORT RD. ERWIN, NC 28339  
 SHEET: **BUILDING LIFE SAFETY - EGRESS PLAN**

**LS**





