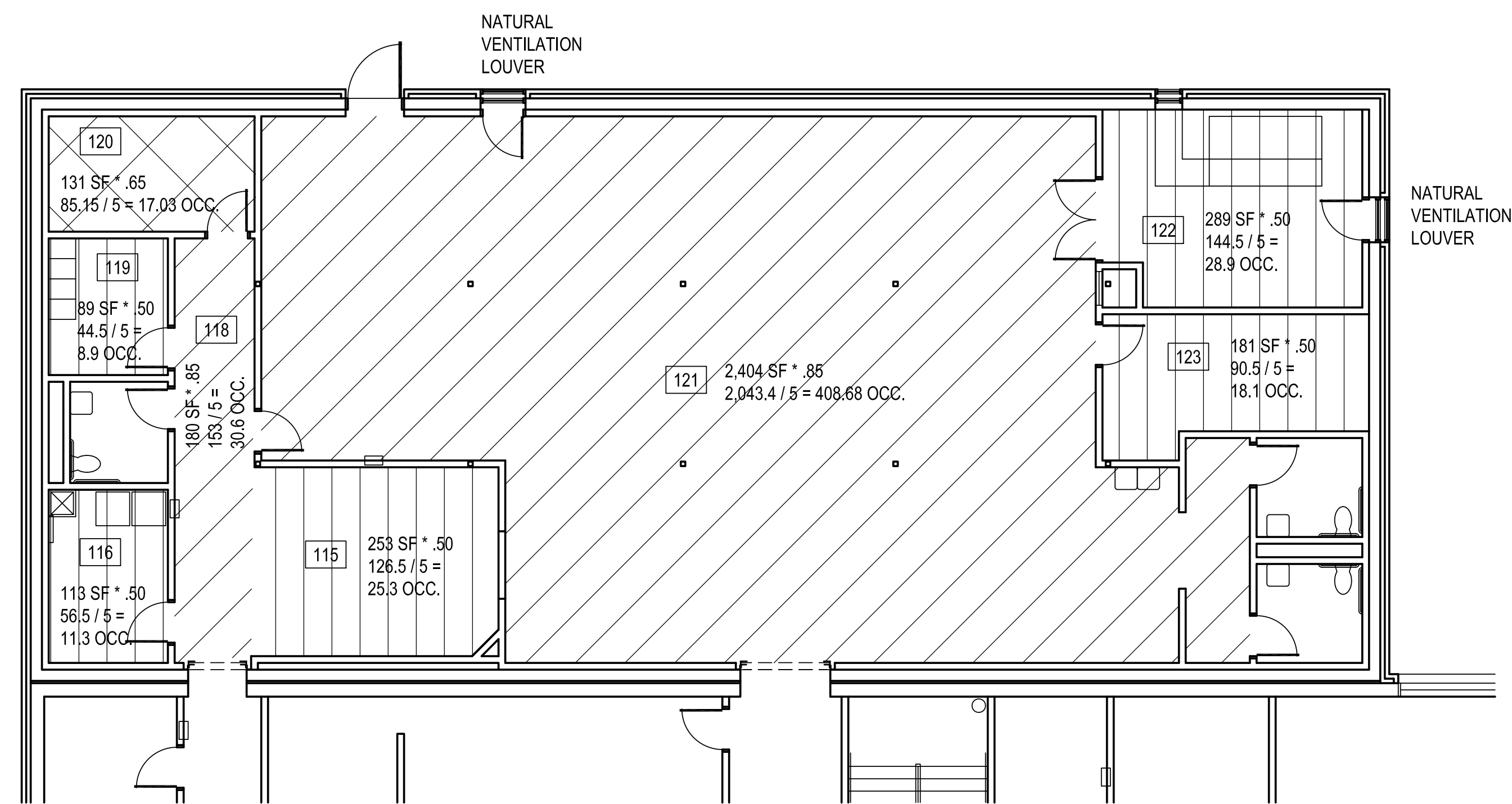
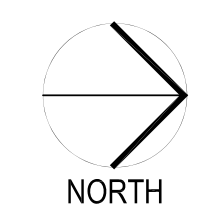




Michael L. Abla
12/1/25



1 SHELTER CALCULATION PLAN
1/8" = 1'-0"



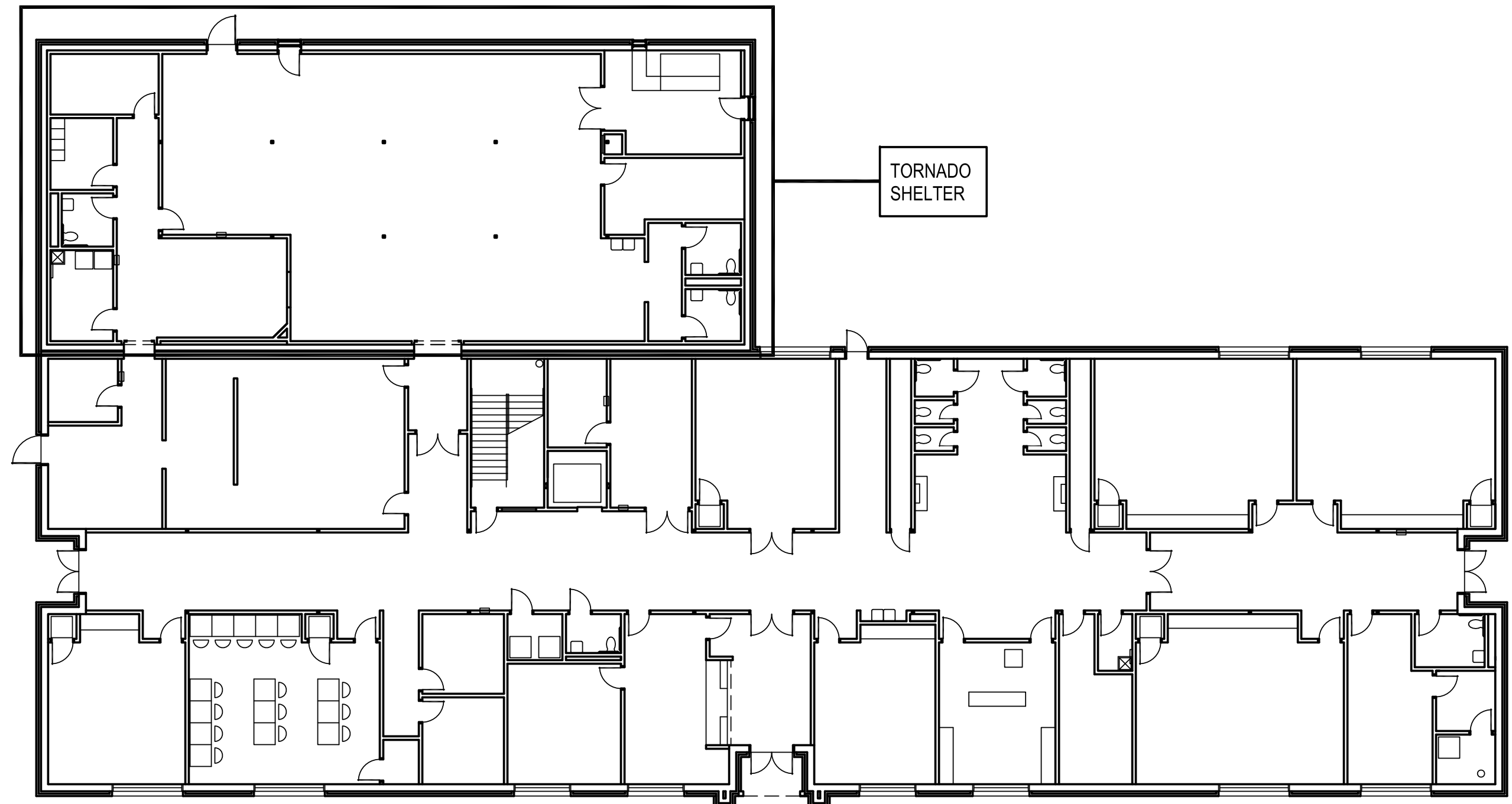
GENERAL NOTES :

- INDICATES AREA USED TO CALCULATE USABLE SHELTER FLOOR AREA - 65% X 131 S.F. = 85.15 S.F.
- INDICATES AREA USED TO CALCULATE USABLE SHELTER FLOOR AREA - 85% X 2,584 S.F. = 2,196.4 S.F.
- INDICATES AREA USED TO CALCULATE USABLE SHELTER FLOOR AREA - 50% X 925 S.F. = 462.5 S.F.

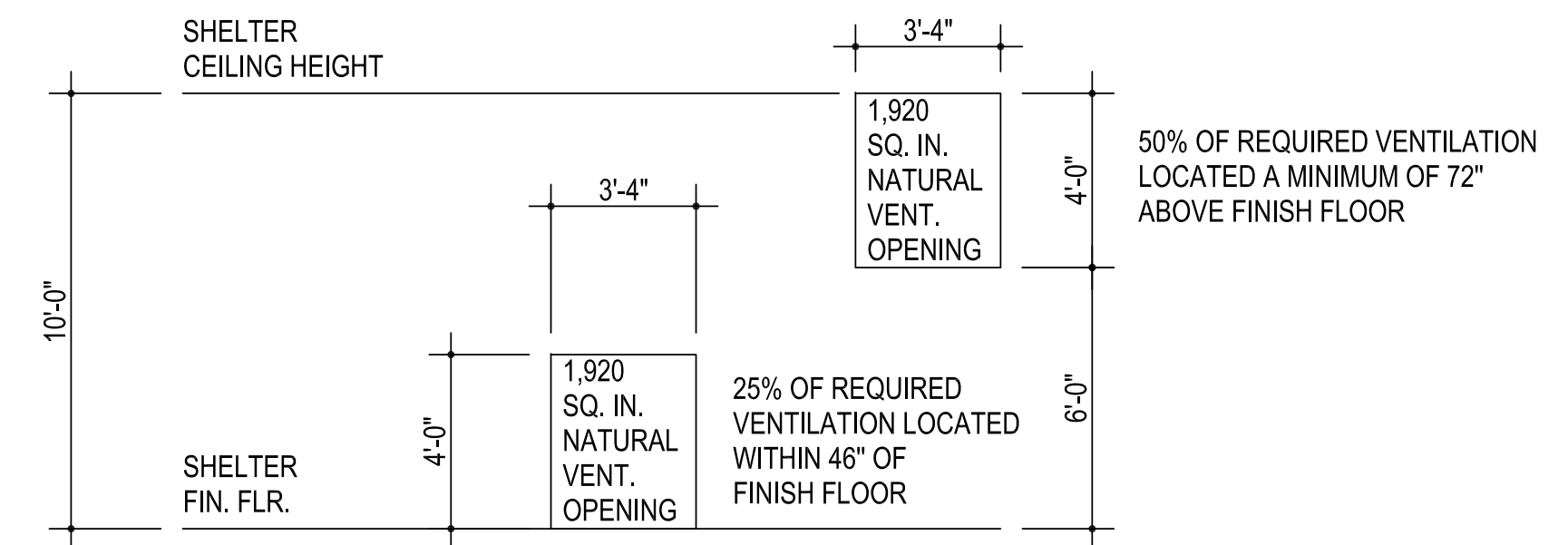
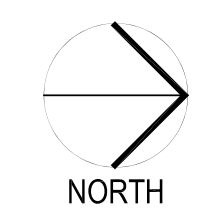
PLUMBING FIXTURE REQUIREMENTS FOR ICC 500 2014
PLUMBING FIXTURES SHELTER CALCULATIONS :

TOTAL OCCUPANT LOAD = 548
TOTAL REQUIRED: WATER CLOSETS = 3 LAVATORIES = 1
TOTAL PROVIDED: WATER CLOSETS = 3 LAVATORIES = 3

TOTAL CALCULATION OF USABLE FLOOR AREA (ADJUSTED TO INCL. H.C.) = 2,744.05 S.F. / 5 = 545.81 OCCUPANTS + 3 H.C. = 548.81 TOTAL OCCUPANTS



2 SHELTER LOCATION PLAN
NO SCALE



702.1.1 NATURAL VENTILATION REQUIREMENTS :
548 OCCUPANTS X 6 SQ INCHES = 3,294 SQ INCHES OF VENTILATION OPENINGS REQUIRED
3,840 SQ INCHES OF VENTILATION OPENINGS PROVIDED

Tornado Storm Shelter Construction:

A. Storm shelter has been designed and engineered to meet all applicable codes and standards including the following:

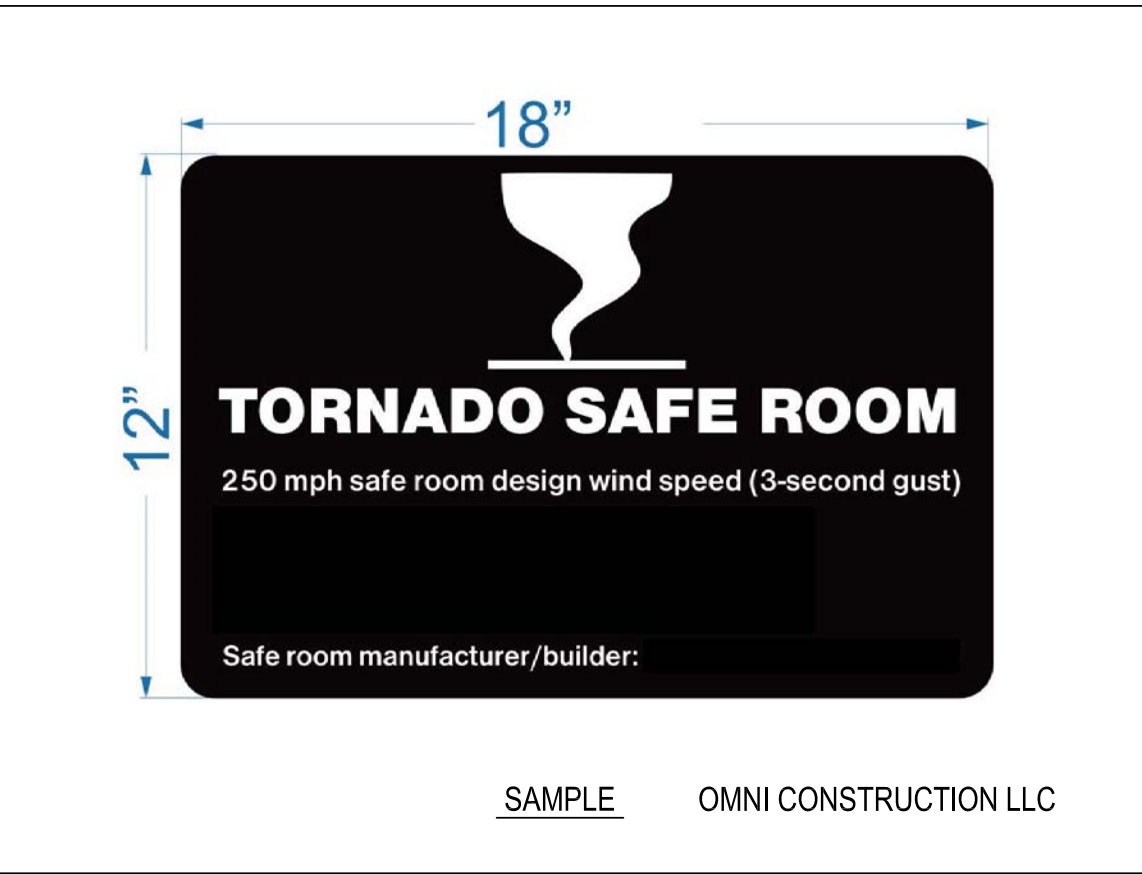
1. ICC 500-2014 (International Code Council), ICC / NSSA Standard for the Design and Construction of Storm Shelters, American National Standard.

B. All construction shall comply with the above standards and guidelines including ICC-500 Section 107.2.1:

1. Tornado - Community
2. Re: Structural
3. Re: Structural
4. Re: Structural
5. Re: Structural
6. Re: Structural
7. Re: Structural
8. The storm shelter is not located within an area susceptible to flooding.
9. Not applicable
10. components meet pressure & missile impact test requirements.
** refer specifications, structural drawings & mechanical drawings
11. Re: sheet G101
12. Re: Sheet A301
13. Finish floor elevation - Re: Sheet C300
14. occupant load of shelter = 545 + 3 handicap
15. useable shelter floor area = 2,744 s.f.
16. Re: mechanical drawings
17. Re: sheet G101
18. Re: Structural
19. Not applicable
20. Not applicable
21. Not applicable
22. Not applicable

C. First aid kit shall be provided by owner & stored in the shelter & accessible by occupants

PROVIDE ONE (1) SIGN WITH THE NAME OF THE MANUFACTURER OR CONTRACTOR OF THE SHELTER AND THE STORM TYPE AND RESPECTIVE DESIGN WIND SPEED. THE SIGN SHALL REMAIN LEGIBLE AND VISIBLE - LOCATE AS PER ARCHITECT'S INSTRUCTIONS



CG	drawn by
MA	checked by
NOVEMBER 2025	date
	revisions



OLD SCHOOL REPLACEMENT

sheet no:

G101

LIFE SAFETY PLAN

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