



Miscellaneous Permit Application

Site Information

Permit Address (& suite #, if applicable):		Subdivision:	Block:	Lot #:
Request is For	Property Is	Permit Type		
New Permit	Single-Family	Addition/Remodel	Fire Sprinkler	Plumbing
Permit Revision	Commercial	Concrete	Foundation	Retain Wall
Other:	Located on I-30	Demolition	Irrigation	Roofing
	Other:	Electrical	Mechanical	Solar Panel
		Fence	Miscellaneous	Storm Shelter
		Fire Alarm	Patio Cover	Water Heater

Permit Description (must complete all APPLICABLE fields)

Description of Work (e.g. location, materials, foundation, anchoring method, rebar #, concrete thickness, metal or wood fence posts, size, etc.)

<u>Dimensions</u>	<u>Height</u>	<u>Total Area (sf)</u>	<u>Est. Value</u> \$
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Responsible Parties

<u>Property Owner/Tenant</u>	<u>Phone</u>	<u>Email</u>
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Address

Contractor

Contractor:	Business Name:
Address:	
Phone:	Email:
State License:	Insurance:

Sub-Contractors

Sub-Contractor #1:	
Phone:	Email:
Sub-Contractor #2:	
Phone:	Email:

I hereby certify that I am an authorized agent of the owner or am the owner, am a registered contractor with the City of Fate (if applicable), & have the owner's consent to enter onto the property to complete the work. After close review of this application, I further certify that the info provided is true & correct to the best of my knowledge. The work shall comply with all provision of laws & ordinances, whether specified or not. The grant of this permit does not give authority to violate or cancel the provisions of any laws regulating construction or the performance of construction. Permission is hereby granted to enter the premises to make all necessary inspections.

Applicant Signature:	Date:
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Person Performing Work is:	Owner	Contractor	Other:
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GENERAL NOTES:

TYPE OF SHELTER: RESIDENTIAL/TORNADO SHELTER
THE TORNADO SHELTER OUTLINED IN THE SPECIFICATIONS AND DRAWINGS IS COMPLIANT WITH THE FOLLOWING:

- ICC500 2014 EDITION; STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS
- FEMA 320, 4TH EDITION, DECEMBER 2014; TAKING SHELTER FROM THE STORM
- 2010 ASCE 7

USABLE AREA 24 SQ. FT.

OCCUPANT LOAD = 8 PERSONS

VENT REQUIREMENTS = MINIMUM 32 SQ IN

MISSILE CRITERIA: VERTICAL-100 MPH, HORIZONTAL-67 MPH

SHELTER SHALL HAVE A MINIMUM DISTANCE OF 10 FEET FROM PROPERTY LINES AND ADJACENT BUILDINGS

THIS SHELTER HAS NOT BEEN ANALYZED FOR HYDROSTATIC OR HYDRODYNAMIC WATER PRESSURES AND IS NOT RECOMMENDED FOR USE IN A FLOOD PRONE AREA.

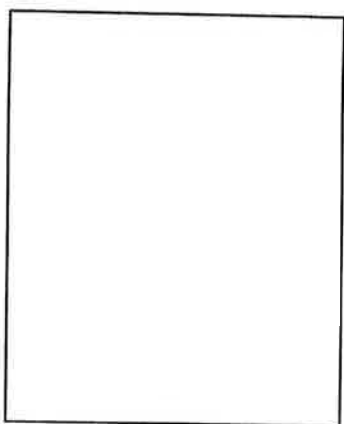
DESIGN LOADS:

1. ALLOWABLE STRESS METHOD USED TO CALCULATE RESISTANCE.
2. LIVE LOADS-FLOOR 100 PSF, ROOF 100 PSF
3. WIND DESIGN CONFORMS TO THE PROVISIONS OF THE ICC/NSSA STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS, 2008 EDITION.
 - A. BASIC WIND SPEED-V=250 MPH
 - B. WIND IMPORTANCE FACTOR-I=1.0
 - C. WIND EXPOSURE CATEGORY-C
 - D. DIRECTIONALITY FACTOR-KD=1.0
 - E. TOPOGRAPHIC FACTOR-KZ=1.0
 - F. HEIGHT ADJUSTMENT FACTOR-KZ=85
 - G. ENCLOSURE CLASSIFICATION-PARTIAL PER FEMA
 - H. INTERNAL PRESSURE COEFFICIENT-GCF=+/- .55
 - I. TOPOGRAPHIC-KZT=1
 - J. BASIC WIND PRESSURE-QH=136 PSF
 - K. DIRECTIONALITY FACTORS-KD=1
 - L. RAIN LOAD=0 PSF

WELDING SPECIFICATIONS
- ALL SEAMS WILL BE WELDED WITH 1/4" CONTINUOUS
- ALL REINFORCEMENT WELDS ARE 1/4" FILLET WELD 3"-12" ON CENTER

MATERIAL SPECIFICATIONS:

1. ALL STEEL PLATING SHALL CONFORM TO AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) ASD 13TH EDITION.
2. CHANNELS AND ANGLES SHALL BE ASTM A 36.
3. PLATE AND BAR SHALL BE ASTM A 36.
4. WELDING ELECTRODES SHALL BE E70XX OR EQUAL.
5. ALL BOLTS SHALL BE A MINIMUM GRADE 5 ZINC COATED TO RESIST CORROSION.
6. ANCHOR BOLTS SHALL BE 1/2" REDHEAD 3/4" X 1 3/4" WEDGE-STYLE ANCHORS AND SHALL BE TORQUED TO MANUFACTURER'S SPECIFICATIONS.
7. CONCRETE FOUNDATION SHALL BE MINIMUM 2500 PSI.
8. ALL MATERIALS SHALL COMPLY WITH GUIDELINES REQUIRED FOR ICC500 AND FEMA 320.
9. INTERIOR AND EXTERIOR SHALL BE PREPARED AND POWDERCOATED WITH SUPER DURABLE POLYESTER



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