1500 GKM HANDOUT #17

PRE-INCIDENT SURVEY

2-18-12

Building Name: The Shutter Factory Survey #: 42

Street Address: 6139 Hwy 264

City, State, Zip: Washington, N.C. 27889

Primary Use: manufacture shutters Construction Type: ordinary

Possible Entry: Front Door (Side A); Side B

Possible Occupancy: 2 to 3 A.M. 8 P.M. 5

Known Handicapped Personnel: _____

NOTIFY IN CASE OF EMERGENCY

Name: Reed Boseman Name: _____

Phone: 974-2795 Phone: _____

BUILDING CONSTRUCTION

Roof Type: metal Floor Construction: Concrete

Roof Construction: _____

Basement Construction Type: N/A Height of Basement: N/A

Number of Stories: 1 Height of Each Story: _____

Length: 100' Width: 50' Height: 20'

Attic Area: _____ Size: L_____ X W_____ X H_____

UTILITY TYPES

Gas: _____ Type: _____

Gas Shut Off Valve Location: _____

Electric: Washington Utilities Phase: _____

Panel Location: ~~Rear Side B~~ Side D

Alarm Location: N/A

EXPOSURES

North: _____ FT. West: 60 FT. South: _____ FT. East: _____

Type: _____ Type: metal Type: _____ Type: _____

SUPPRESSION CRITERIA

Needed Fire Flow: _____ Total Water Supply: _____

Fuel Load: _____ Rate of Flow: _____

HYRANT LOCATIONS

(1) _____ Flow: _____ Unit: _____

(2) _____ Flow: _____ Unit: _____

(3) _____ Flow: _____ Unit: _____

(4) _____ Flow: _____ Unit: _____

OTHER WATER RESOURCES

(1) _____

(2) _____

(3) _____

SPECIAL RESOURCES

(1) _____

(2) _____

(3) _____

MUTUAL AID

(1) _____ Assignment: _____

(2) _____ Assignment: _____

(3) _____ Assignment: _____

STAGING AREA

Primary: _____

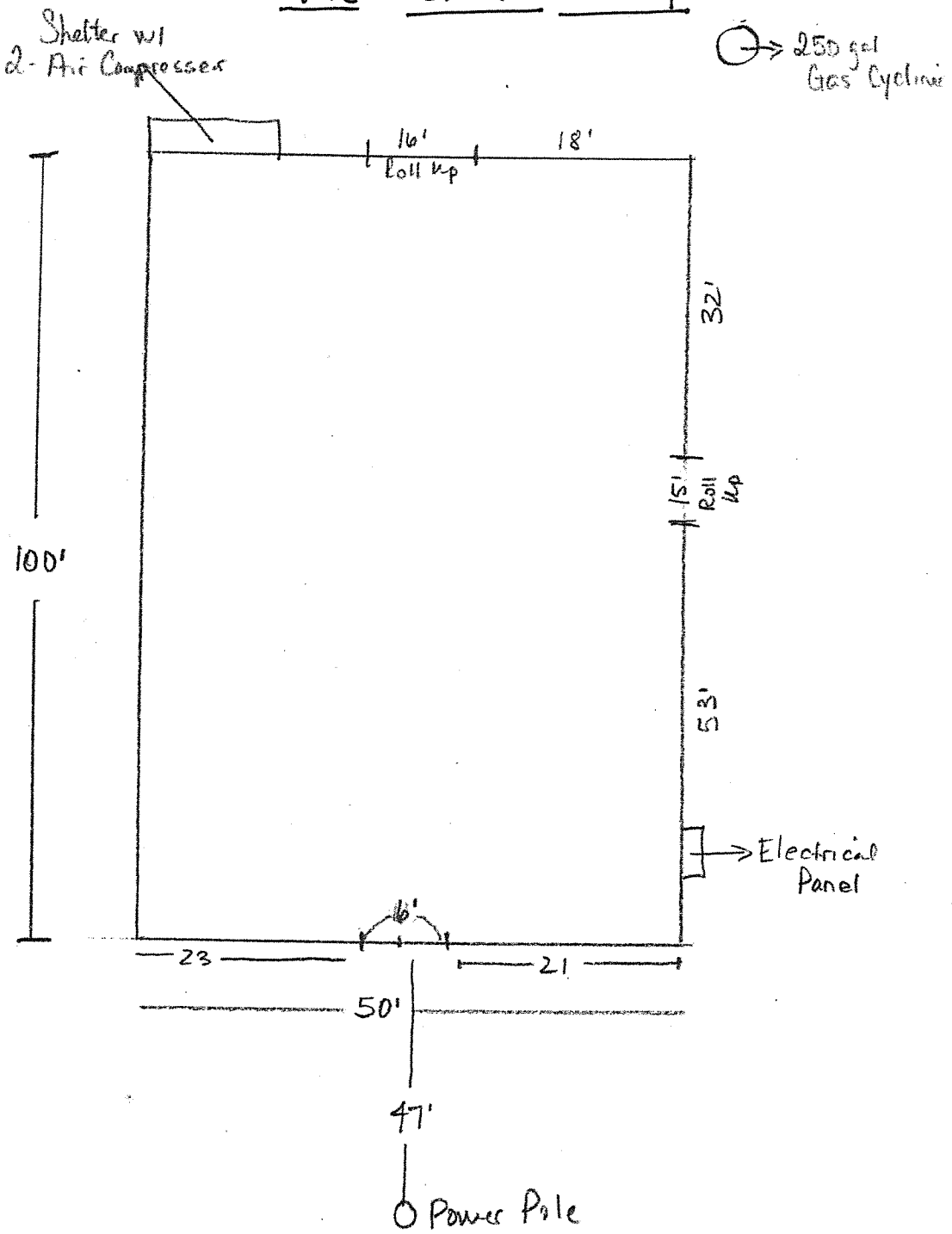
Secondary: _____

MISCELLANEOUS INFORMATION

Sprinkler Connection: _____

Standpipe Connection: _____

The Shutter Factory



Hwy 264

Structure Name The Shutter Factory

Structure Address 6039 US 264 W

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
100	50	5000	70.71	1272.79	0.8	1018.23	1.25	######

Exposure % add	Exposure add GPM	Exposure per side (75% max) Total Side A	Exposure per side 75% max Side B	Exposure per side 75% max Side C	Exposure per side 75% max Side D	Total GPM with exposures
25%	318.20		0	0	178	1450.79
19%	241.83					
14%	178.19					
9%	114.55					
75%	954.59	Total A,B,C,D				
	MAX	178				

Round off to nearest 250 GPM for flows less than 2500 GPM, the nearest 500 GPM over 2500 GPM

Column J, K, L and M
If up to 10 feet add 25% per side
If 11 to 30 feet add 19% per side
If 31 to 60 feet add 14% per side
If 61 to 100 feet add 9% per side

Column F
Fire Resistive 0.6
Non-combustible 0.8
Ordinary 1
Wood Frame 1.5

Column H
.75 if Mostly non-combustible contents
.85 if Limited combustibles (apartments, churches, schools, hospitals)
1.0 if Mostly combustible (restraunts, sheds, garages)
1.15 if Free burning contents (post offices, horse stables, feed mills, repair garages,ag storage)
1.25 if Rapid burning (aircraft hangers, tires, flammable liquids, wood working)

Total GPM with exposures	Add 50% for each floor above ground floor		# of floors	Total to add for floors above	Sub-total with floors added	If wood shingles on roof add 500 GPM	
1500.00	750		0	0.00	1500.00	0	1500.00

FIRE FLOW NEEDED GPM

1500.00