

PRE-INCIDENT SURVEY

Building Name: Unique Homes of Washington Survey #: 100
Street Address: 4475 US 264 W
City, State, Zip: Washington NC
Primary Use: Sales & service office Construction Type: ordinary
Possible Entry: _____
Possible Occupancy: A.M. 8 P.M. 5
Known Handicapped Personnel: _____

NOTIFY IN CASE OF EMERGENCY

Name: Bobby Whichard Name: _____
Phone: 975 4663 Phone: _____

BUILDING CONSTRUCTION

Roof Type: Trussed - Shop Floor Construction: Slab - Shop
A Frame - office wood & metal - office
Roof Construction: Shingle - office Metal - Shop
Basement Construction Type: _____ Height of Basement: _____
Number of Stories: 2 - office 1 - Shop Height of Each Story: _____
Length: 40 Width: 28 Height: _____
Attic Area: 100 Size: L 60 X W _____ X H _____

UTILITY TYPES

Gas: N/A Type: _____
Gas Shut Off Valve Location: _____
Electric: Washington Utilities Phase: 1
Panel Location: _____
Alarm Location: _____

EXPOSURES

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

SUPPRESSION CRITERIA

Needed Fire Flow: _____ Total Water Supply: _____

Fuel Load: _____ Rate of Flow: _____

HYDRANT 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: _____



Structure Name Valerie Homes
 Structure Address 4475 US 264 W

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
100	60	6000	77.46	1394.27	0.8	1115.42	0.85	948.11

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 (restaurants, 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)

Exposure % add	Exposure add GPM	Exposure per side (75% max) 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%	237.03	0	0	0	180	1128.11
19%	180.14	0			0	
14%	132.73					
9%	85.33					
75%	711.08	Total A, B, C, D				
	MAX	180				

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

Total GPM with exposures	Add 50% for each floor above ground floor	# of floors above	Total to add for floors above	Sub-total with floors added	If wood shingles on roof add 500 GPM
1250.00	625	0	0.00	1250.00	0

FIRE FLOW NEEDED
 GPM
1250.00

Structure Name Unique Homes
 Structure Address 4475 US 264 W

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
40	28	1120	33.47	602.40	1.5	903.59	0.85	768.05

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 (restaurants, 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)

Exposure % add	Exposure add GPM	Exposure per side (75% max) 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%	192.01	0	0	146	0	914.05
19%	145.93	0			0	
14%	107.53					
9%	69.12					
75%	576.04	Total A, B, C, D				
	MAX	146				

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

Total GPM with exposures	Add 50% for each floor above ground floor	# of floors above	Total to add for floors above	Sub-total with floors added	If wood shingles on roof add 500 GPM
1000.00	500	0	0.00	1000.00	0
					1000.00

FIRE FLOW NEEDED
GPM
1000.00