

M4M 1500

HANDOUT #17

2/22/12

Mini Storage 1000

PRE-INCIDENT SURVEYBuilding Name: M + M Equip Shop & Mini Storage Survey #: 46Street Address: 5707 US 264 WCity, State, Zip: WashingtonPrimary Use: Garage Construction Type: Metal

Possible Entry: _____

Possible Occupancy: A.M. 4 P.M. 4

Known Handicapped Personnel: _____

NOTIFY IN CASE OF EMERGENCYName: Keith Wallace Name: Wendy WallacePhone: 944 5577 Phone: 944 8959**BUILDING CONSTRUCTION**Roof Type: Metal Floor Construction: SlabRoof Construction: Metal

Basement Construction Type: _____ Height of Basement: _____

Number of Stories: 1 Height of Each Story: _____Length: 135 Width: 40 Height: 16

Attic Area: _____ Size: L _____ X W _____ X H _____

UTILITY TYPESGas: LP Type: _____Gas Shut Off Valve Location: EAST Westside of BldgElectric: Washington Utilities Phase: 3

Panel Location: _____

Alarm Location: _____

EXPOSURESNorth: _____ FT. West: 28' FT. South: 57 FT. East: 28' 73'Type: _____ Type: Wood Bldg Type: Wood Bldg Type: Wood Bldg Metal

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: _____



Unit	Length
feet	500
meters	100

M & M Equipment
5707 US 264 W

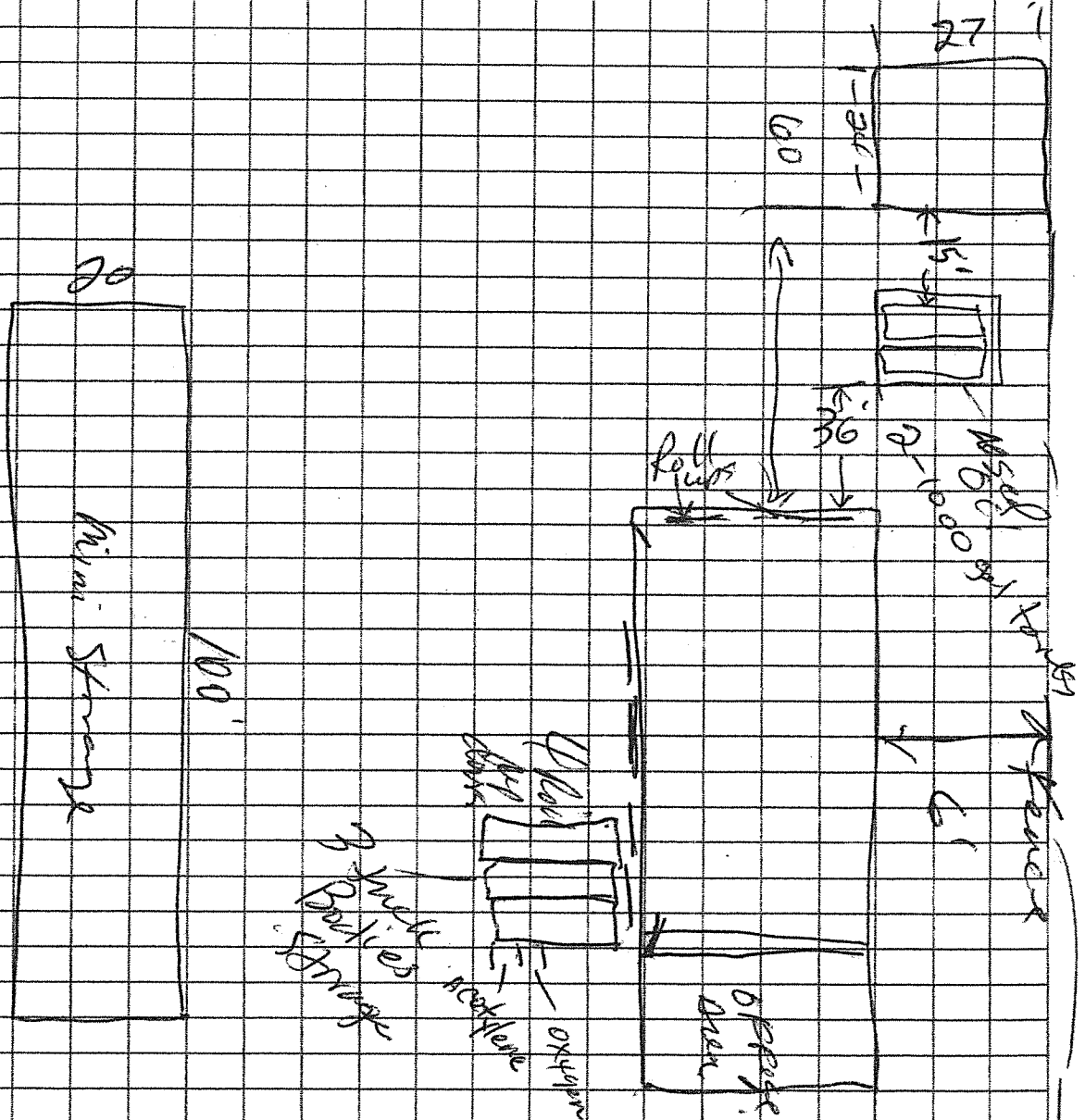




Address: _____

Name: _____

Pre-Plan #: _____



Hebra
944-1327

Quality
 Structure Name Mini Storage
 Structure Address 5702 US 264 W

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
100	20	2000	44.72	804.98	0.8	643.99	1	643.99

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%	161.00	0	122	0	58	623.99
19%	122.36					
14%	90.16					
9%	57.96					
75%	482.99	Total A, B, C, D				
	MAX	180	Column J, K, L and M			

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)

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

Structure Name M4M Equipment

Structure Address 5707 US 264 W

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
135	40	5400	73.48	1322.72	0.8	1058.18	1	#####

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%	264.54		95	148	201	1502.18
19%	201.05					
14%	148.15					
9%	95.24					
75%	793.63	Total A, B, C, D				
	MAX	444	Column J, K, L and M			

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

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)
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1.25 if Rapid burning (aircraft hangers, tires, flammable liquids, wood working)

FIRE FLOW NEEDED
GPM
1500.00

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
1500.00	750	0	0.00	1500.00	0
					1500.00