

Main OFFICE Bldg 1 1250 GPM

Bldg 2 1000 GPM

Bldg 3 - 2000 GPM
HANDOUT #17

PRE-INCIDENT SURVEY

Building Name: WIMCO Corp. Survey #: 65

Street Address: 2533 W. 5th St

City, State, Zip: Washington

Primary Use: OFFICE Construction Type: _____

Possible Entry: _____

Possible Occupancy: A.M. _____ P.M. _____

Known Handicapped Personnel: _____

NOTIFY IN CASE OF EMERGENCY

Name: Rusty Phelps Name: Darlin Moore

Phone: 252-545-4697 Phone: 252-714-0993

BUILDING CONSTRUCTION

Roof Type: _____ Floor Construction: _____

Roof Construction: _____

Basement Construction Type: _____ Height of Basement: _____

Number of Stories: _____ Height of Each Story: _____

Length: _____ Width: _____ Height: _____

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

Main Office

Gas: Piedmont

Type: _____

Gas Shut Off Valve Location: _____

Electric: _____ Phase: _____

Panel Location: _____

Alarm Location: _____

UTILITY TYPES

- Coastal Car Ann - & answer

- Wimco: ask for Rusty

Fri - before 12:00

EXPOSURES

North: _____ FT. West: _____ FT. South: _____

Type: _____ Type: _____ Type: _____

Bldg 3 - No power - or heat Bldg 2 Baseboard in office

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

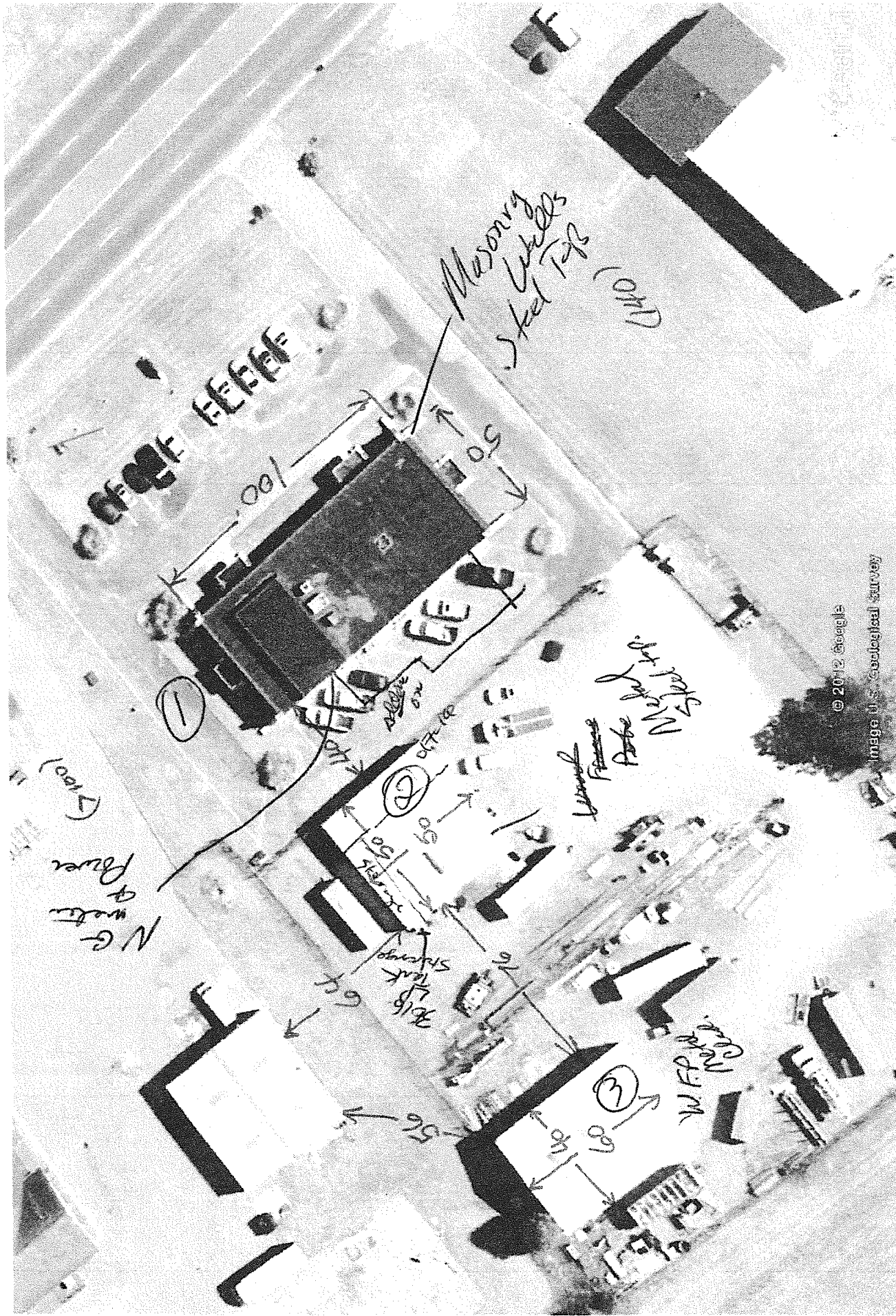
Primary: _____

Secondary: _____

MISCELLANEOUS INFORMATION

Sprinkler Connection: _____

Standpipe Connection: _____



Google earth

feet
meters

200

80

W1M00

2533 W 54th St. 946-5175

Structure Name Winco Bldg 3
 Structure Address 2533 W. 5th St.

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
60	40	2400	48.99	881.82	1.5	1322.72	1.25	1653.41

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%	413.35		0	231	149	2033.41
19%	314.15					
14%	231.48					
9%	148.81					
75%	1240.05	Total A,B,C,D				
	MAX	380				

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)
 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)

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
2000.00	1000	0	0.00	2000.00	0
					2000.00

FIRE FLOW NEEDED
GPM
2000.00

Structure Name Winco - Bldg 2
 Structure Address 2533 W. 5th St

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
50	50	2500	50.00	900.00	0.8	720.00	1.15	828.00

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, 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%	207.00		75	75	116	1094.00
19%	157.32					
14%	115.92					
9%	74.52					
75%	621.00	Total A,B,C,D				
	MAX	266				

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

Structure Name Wmco - Main Office - Bldg 1
 Structure Address 2533 W. 54 St.

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	1018.23

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%	254.56		0	142		1160.23
19%	193.46					
14%	142.55					
9%	91.64					
75%	763.68	Total A, B, C, D				
	MAX	142				

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

Column F
 Fire Resistant 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, 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 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