

Main Bldg. - 1000 GPM
Storage Bldg. - 500 GPM

PRE-INCIDENT SURVEY

2/25/12

Building Name: Eastrun Prec. Precision Survey #: 85

Street Address: 5667 US 264 West

City, State, Zip: Washington NC 27889

Primary Use: Welding Shop Construction Type: Metal

Possible Entry: _____

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

Known Handicapped Personnel: _____

NOTIFY IN CASE OF EMERGENCY

Name: Keith Manning Name: Danny Midyette

Phone: _____ Phone: 402 5529

BUILDING CONSTRUCTION

Roof Type: Metal Floor Construction: Concrete

Roof Construction: Metal Beam

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

Number of Stories: 1 Height of Each Story: _____

Length: _____ Width: _____ Height: _____

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

UTILITY TYPES

Gas: _____ Type: _____

Gas Shut Off Valve Location: _____

Electric: Washington Utility Phase: 3 phase

Panel Location: _____

Alarm Location: _____

EXPOSURES

North: _____ FT. West: 26-27 ft FT. South: _____ FT. East: _____

Type: _____ Type: Metal 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

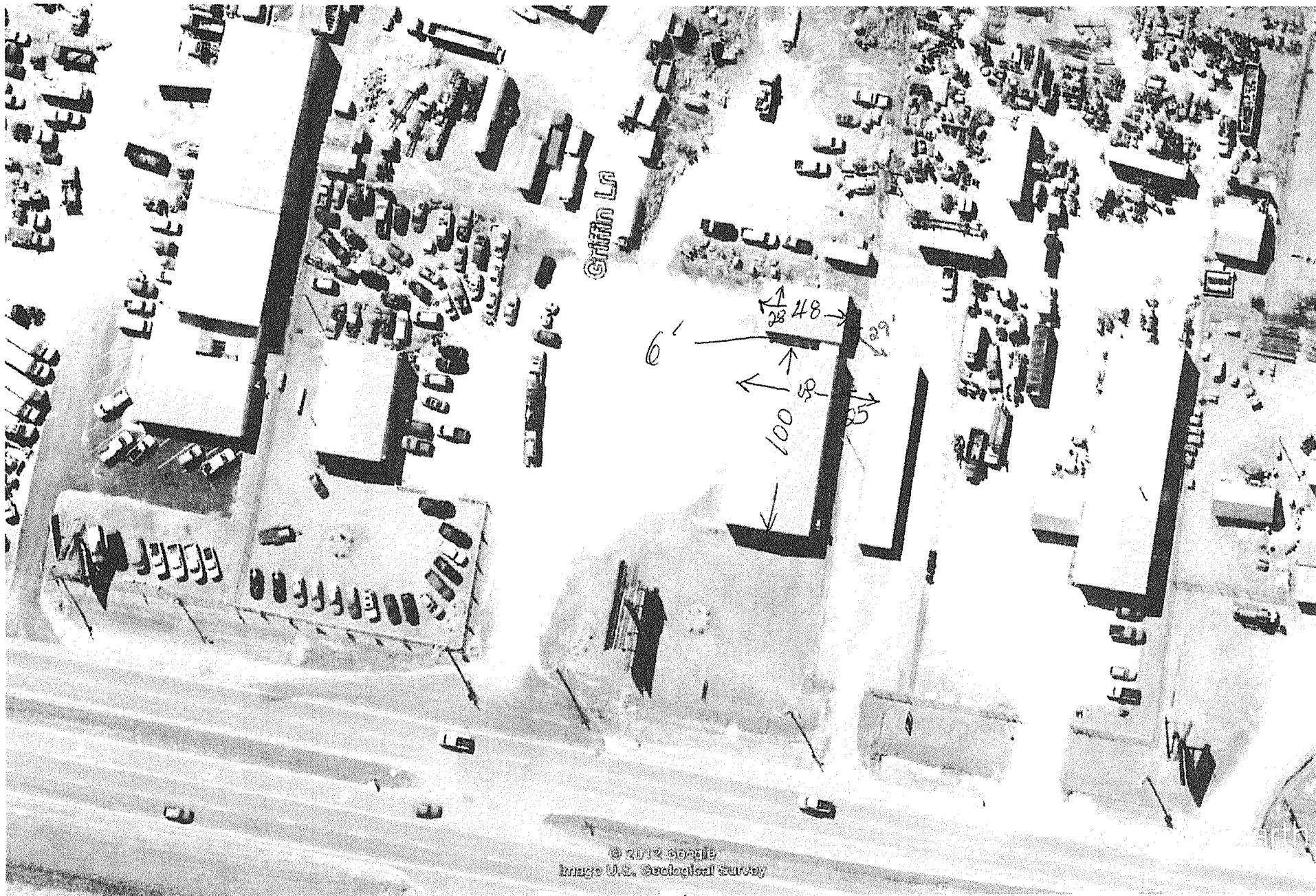
Primary: _____

Secondary: _____

MISCELLANEOUS INFORMATION

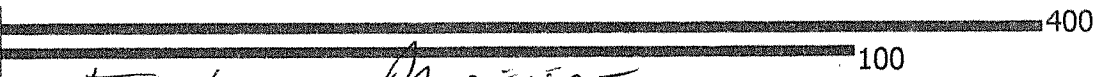
Sprinkler Connection: _____

Standpipe Connection: _____



Google earth

feet
meters



*Eastern Precision -
5667 us 264 W*



Structure Name Eastern Precision - OFFICE + Main Bldg.
 Structure Address 5667 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	0.75	763.68

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%	190.92		0	190	145	1096.68
19%	145.10		0			
14%	106.91		0			
9%	68.73					
75%	572.76	Total A, B, C, D				
	MAX	335				

Column F
Fire Resisive 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)

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

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	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
<u>1000.00</u>