750 GPM HANDOUT #17

PRE-INCIDENT SURVEY 2/25/12

Building Name: [redacted] TWS Survey #: 87

Street Address: [redacted] 164 Tranters Creek Pointe Dr.

City, State, Zip: 164 Periwinkle Lane

Primary Use: TIG welding Construction Type: Steel Frame

Possible Entry: 3 Exits - 1 Roll Up Door

Possible Occupancy: A.M. ✓ P.M. _____

Known Handicapped Personnel: N/A

NOTIFY IN CASE OF EMERGENCY

Key Holder(PM)

Name: Charles Slade Name: ~~Robert~~ Rodrigos Michael Norman 948-0361

Phone: 974-5454 Phone: Home Phone 964-2471

(c) 943-4227

BUILDING CONSTRUCTION

Roof Type: Metal Truss Floor Construction: Concrete Slab

Roof Construction: _____

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

Number of Stories: 1 Height of Each Story: 16'

Length: 100' Width: 60' Height: 16'

Attic Area: N/A Size: L _____ X W _____ X H _____

UTILITY TYPES

Gas: LP (500 Gal) Type: _____

Gas Shut Off Valve Location: At Tank

Electric: 300A Phase: 3 phase

Panel Location: Located at N-W corner

Alarm Location: Front Door

EXPOSURE

North: _____ FT. West: _____ FT. South

Type: _____ 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

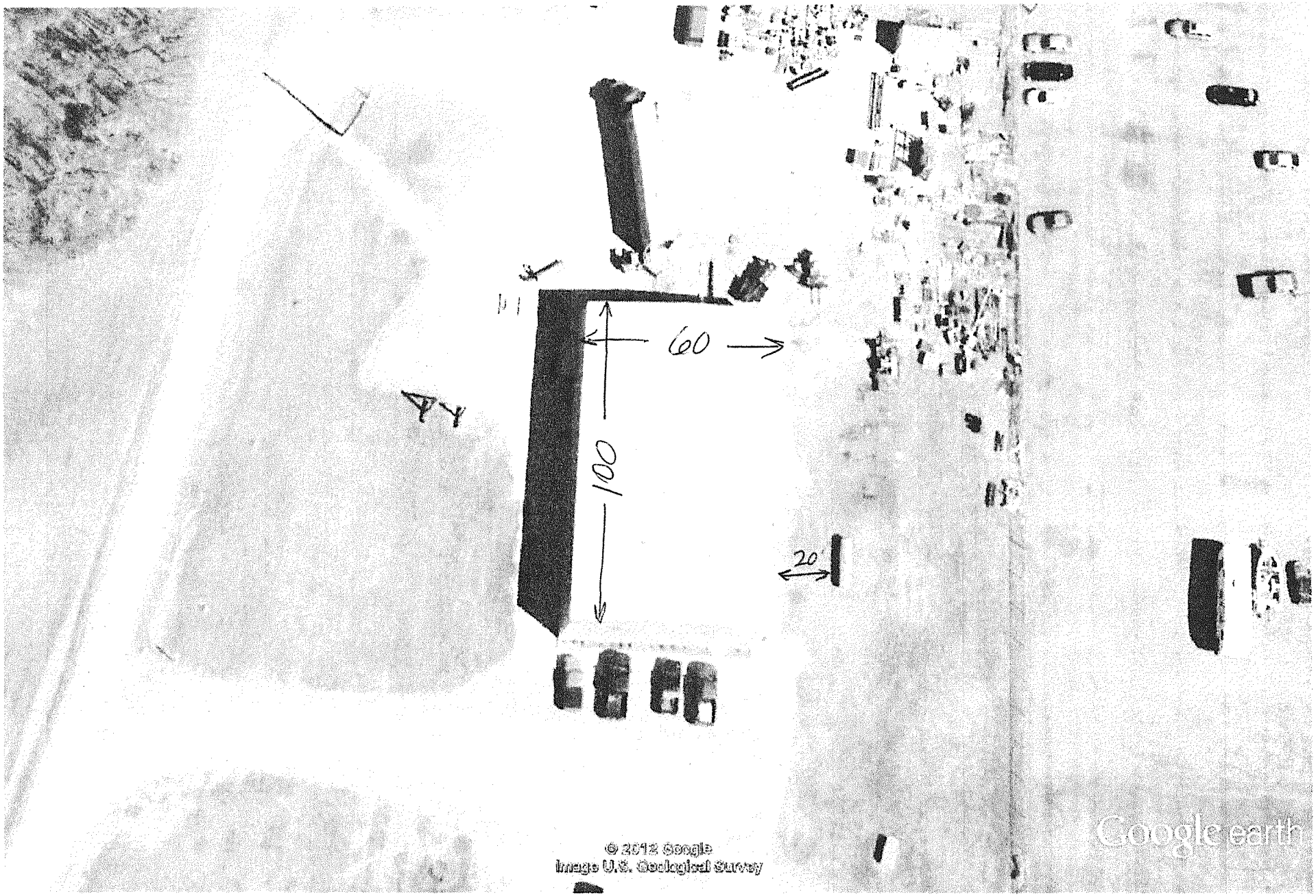
Primary: _____

Secondary: _____

MISCELLANEOUS INFORMATION

Sprinkler Connection: _____

Standpipe Connection: _____



Google earth

feet 200
meters 70

T. W. S.

Structure Name T. W. S Tig Welding Specialist

Structure Address ~~464 Periwinkle Ln,~~ Travers Creek drive

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	0.75	836.56

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%	209.14		0	0	0	836.56
19%	158.95		0			
14%	117.12		0			
9%	75.29					
75%	627.42	Total A,B,C,D				
	MAX	0				

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

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	
	375		0	0.00			
750.00					750.00	0	750.00

FIRE FLOW NEEDED GPM

750.00