

PRE-INCIDENT SURVEY

2/17/12

Building Name: Coastal Industries Survey #: 29
 Street Address: 5620 US 264 W
 City, State, Zip: Washington NC 27889
 Primary Use: Manufacturing Construction Type: All Metal Construction
 Possible Entry: US 264 - 2 drive ways.
 Possible Occupancy: A.M. 14 ^{7am - 330} P.M. 4 ^{330 - 5pm}
 Known Handicapped Personnel: None

NOTIFY IN CASE OF EMERGENCY

Name: Timothy Coward Name: Keith Manning
 Phone: W 946 0896 Phone: 945 5444 944-3866
C 944 3088

BUILDING CONSTRUCTION

Roof Type: Metal Floor Construction: Concrete
 Roof Construction: Metal truss
 Basement Construction Type: None / NA 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: LP Type: _____
 Gas Shut Off Valve Location: _____
 Electric: Washington Utilities Phase: 3
 Panel Location: None
 Alarm Location: None

Heat Shop areas w/ Kerosene Heaters.

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

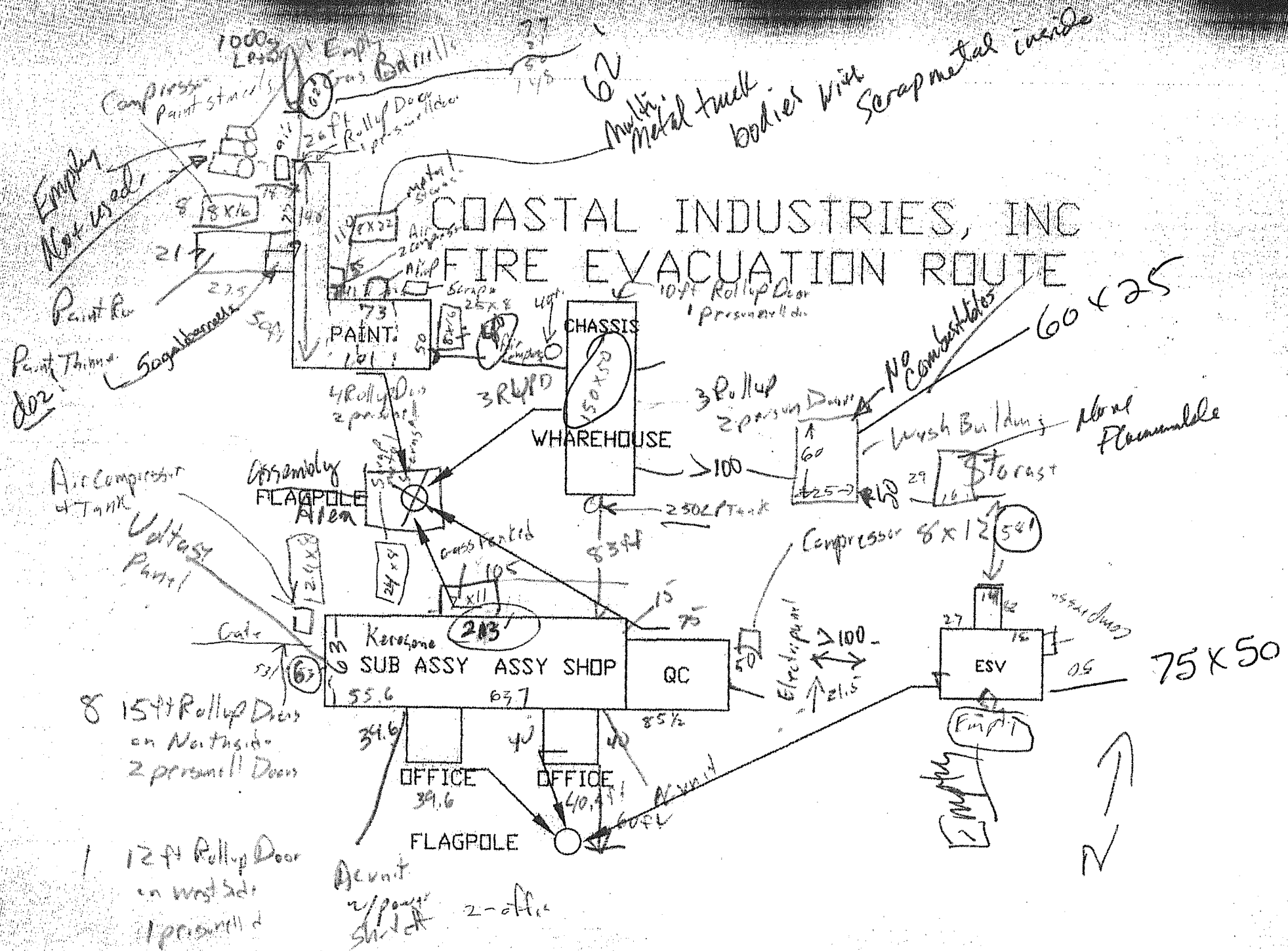
Primary: _____

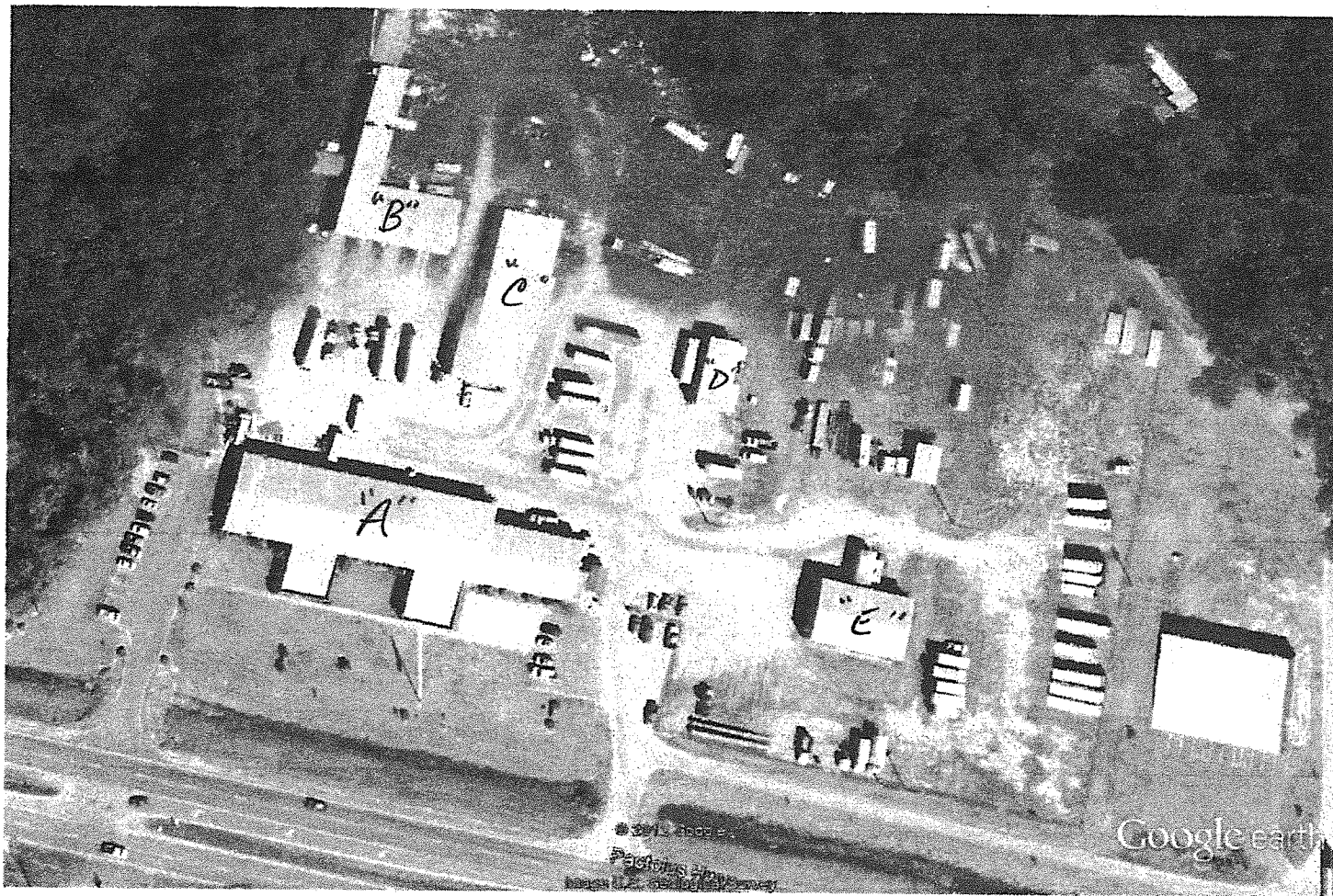
Secondary: _____

MISCELLANEOUS INFORMATION

Sprinkler Connection: _____

Standpipe Connection: _____





Google earth

feet
meters



Coastal Industries
5620 US 264 W

Structure Name Castal Industries - Main Bldg - offices "A"
 Structure Address 5620 US 264W

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
288	83	18144	134.70	2424.59	0.8	1939.68	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%	484.92		0	174	0	2113.68
19%	368.54					
14%	271.55					
9%	174.57					
75%	1454.76	Total A, B, C, D				
	MAX	174				

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)

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
2000.00	1000	0	0.00	2000.00	0
					2000.00

FIRE FLOW NEEDED
GPM
2000.00

Structure Name Coastal Industries - Paint Bldg. "B"
 Structure Address 5620 US 264 W

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
101	81	8181	90.45	1628.08	0.8	1302.46	1.25	#####

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%	407.02		0	146	228	2002.08
19%	309.34					
14%	227.93					
9%	146.53					
75%	1221.06	Total A, B, C, D				
	MAX	374				

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)

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
2000.00	1000	0	0.00	2000.00	0
					2000.00

FIRE FLOW NEEDED
GPM
2000.00

Structure Name Coastal Industries - Chassis Wks Bldg "C"
 Structure Address 5620 US 264 W

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
150	50	7500	86.60	1558.85	0.8	1247.08	0.75	935.31

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%	233.83	84	130	0	0	1149.31
19%	177.71					
14%	130.94					
9%	84.18					
75%	701.48	Total A, B, C, D				
	MAX	214	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)
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)

FIRE FLOW NEEDED
GPM
1250.00

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
1250.00	625	0	0.00	1250.00	0
					1250.00

Structure Name Coastal Industries - Wash Building "D"
 Structure Address 5620 US 264 W

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
60	25	1500	38.73	697.14	0.8	557.71	0.75	418.28

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%	104.57	0	0	0	0	418.28
19%	79.47					
14%	58.56					
9%	37.65					
75%	313.71	Total A, B, C, D				
	MAX	0				

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)

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
500.00	250	0	0.00	500.00	0
					500.00

FIRE FLOW NEEDED
GPM
500.00

Structure Name Coastal Industries Bldg "E"
 Structure Address 5620 US 264 W

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
75	50	3750	61.24	1102.27	0.8	881.82	0.75	661.36

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%	165.34	0	0	0	0	881.36
19%	125.66					
14%	92.59					
9%	59.52					
75%	496.02	Total A, B, C, D				
MAX	0	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)
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)

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	Total to add for floors above	Sub-total with floors added	If wood shingles on roof add 500 GPM
750.00	375	0	0.00	750.00	0
				750.00	0

FIRE FLOW NEEDED GPM
<u>750.00</u>