

END BARN - 150 GPM
Middle BARN 1000 GPM HANDOUT #17

PRE-INCIDENT SURVEY 2/18/12

Building Name: Lee Bulk Barns - Baker Farm Survey #: 36

Street Address: 7454 US 264 E

City, State, Zip: Washington NC 27889

Primary Use: Tobacco - not used now Construction Type: _____

Possible Entry: _____

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

Known Handicapped Personnel: _____

NOTIFY IN CASE OF EMERGENCY

Name: Noel Lee III Name: _____

Phone: 943-7672 Phone: _____

BUILDING CONSTRUCTION

Roof Type: Metal Floor Construction: slabs

Roof Construction: stick

Basement Construction Type: _____ Height of Basement: _____

Number of Stories: 1 Height of Each Story: 14

Length: _____ Width: _____ Height: _____

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

UTILITY TYPES

Gas: LP Type: _____

Gas Shut Off Valve Location: each barn & tanks

Electric: _____ Phase: _____

Panel Location: Middle of Barns back side away from shelter

Alarm Location: _____

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

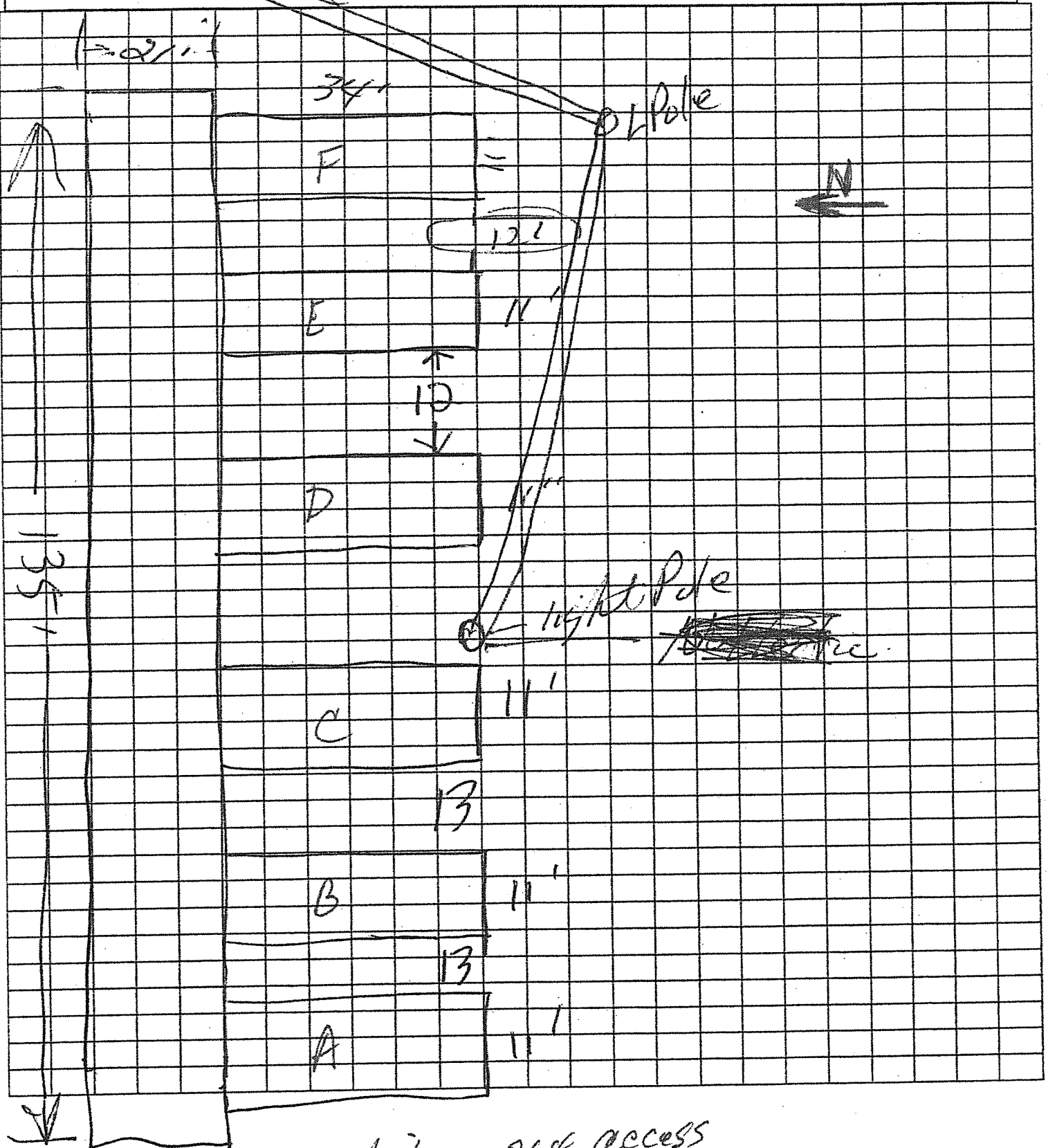
Sprinkler Connection: _____

Standpipe Connection: _____



Name:

Pre-Plan #:



Highway 264 access $\frac{1}{2}$ mile.

Structure Name Lee Farm Bulk Barns - B thru E (ea)
 Structure Address 7454 US 264 E
Baker Farm.

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
34	11	374	19.34	348.10	1.5	522.16	1.15	600.48

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)

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%	150.12	0	114	0	114	828.48
19%	114.09		0			
14%	84.07					
9%	54.04					
75%	450.38	Total A, B, C, D				
	MAX	228				

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
1000.00

Structure Name Lee Farm Bulk Barns "AORF"
 Structure Address 7454 US 264E
Baker Farm off

Length	Width	Sq Ft	Sq Root	X 18	X construction type	GPM sum 1	X Occupancy	GPM sum 2
34	11	374	19.34	348.10	1.5	522.16	1.15	600.48

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)

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%	150.12	0	150	0	0	750.48
19%	114.09		0			
14%	84.07					
9%	54.04					
75%	450.36	Total A, B, C, D				
	MAX	150				

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
750.00	375	0	0.00	750.00	0 750.00

FIRE FLOW NEEDED GPM
750.00