NOV 14 2014

Brem_ 108a – 11.14.2014

ATTACHMENT A

First Floor:	**Length =**	58	**Width =**	40	**Sq. Ft. =**	2,320
Second Floor:	**Length =**	58	**Width =**	40	**Sq. Ft. =**	2,320
Third Floor:	**Length =**	0	**Width =**	0	**Sq. Ft. =**	-
					Total Sq. Ft. =	4,640
	Ceiling Height =	8			**Cu. Ft. =**	37,120
*Note: Fill in one.	**Attic Height =**	10	Standard pitch		**Cu. Ft. =**	23,200
or:	**Attic Height =**		Gambrel attic		**Cu. Ft. =**	-
or:	**Attic Height =**		Mansard attic		**Cu. Ft. =**	-
Additional space: (porch, etc.)	Length		Width		**Cu. Ft. =**	-
				Height	**Total Cu. Ft. =**	60,320

Total Cu. Ft. = 60,320 **OHC =** 7 **Gallons =** 8,617

Note Occupancy Hazard Classification number is 7 for dwellings, small office complexes and similar constructed facilities. Refer to NFPA 1142 for other types of structures.

Gallons = 8,617 **CCN =** 1.5 **Gallons =** 12,926

Note Type II Construction .75. Ex: Cinderblock, approved non-combustible material.
Type III Construction 1.0. Ex: Brick vaneer, approved non-combustible material, or limited combustible.
Type V Construction 1.5. Ex: Wood frame, wood or other approved combustible material.

Gallons = 12,926 **Exp =** 0 **Gallons =** 12,926 **Total**

Note Any structure within 50' of burn structure is considered an exposure and requires total gallons to be multiplied by 1.5. Add .5 to this number for each additional exposure. (Example: 1.0 + .5 + .5 + .5 = 2.5 exposure factor for 3 exposures.

Total Gallons Required	GPM Flow
Up to 2,499 Gallons	250 GPM
2,500 to 9,999 Gallons	500 GPM
10,000 to 19,999 Gallons	750 GPM
20,000 or more	1000 GPM

Required GPM's = 750

In accordance with NFPA 1403, an additional water supply in the amount of 50% of total required fire flow must be available to handle unforseen situations.

Gallons = 12,926 **at** 750 **GPM** **for** 17 **Minutes**

12,926 **Gallons** x 1.5 = 19,389 **Total Gallons**