TULE RIVER TRIBAL COUNCIL
TULE RIVER INDIAN RESERVATION

ATTACHMENT 1

MINIMUM MATERIALS / PERFORMANCE SPECIFICATIONS

Fire Suppression Design and Installation

A. Scope of Work:

Contractor shall provide:

a) Plans and specifications to supplement attached drawings and design in sufficient detail to secure building permits from the County of Tulare for provision of required fire suppression systems.
b) Installation of the required fire suppression system.

Material Specifications

At a minimum, Contractor shall provide the following:

1. Building interior fire suppression system meeting the California Building Code as adopted by the County of Tulare and having the following:

- All piping and discharge heads in all living areas and mechanical rooms.
- Work with building designer to ensure piping across open vaulted ceiling areas Note that the structural components of the housing units are Structural Insulated Panels and therefore there is no attic area to run pipes across rooms with vaulted ceilings. Pipeline placement must be concealed in false beam or valance type architectural features.
- Termination of pipelines shall be at toilets to ensure continuous water movement within pipelines so as not to become clogged with sediments or biologicals.
- All pipe and fitting materials must be resistant to rust, scale and foreign contaminant build-up.
- Pipe and fittings shall be CPVC pipe and fittings (or equal) that offer superior flow characteristics for increased hydraulic capabilities.
- All pipe hangers and brackets must be specifically designed to support the water supply pipes. Hangers must meet the requirements of NFPA 13, and have been manufactured to meet the industry minimum quality standards.
- Warranty protection against failure of any component.

2. System Components

- Fire sprinkler system components for residential applications shall include valves, risers, water-flow detectors, electric alarm bells, fire sprinkler cabinets etc., and more.

Contractor to provide the following:

- Sample of the various types of discharge heads with emphasis on concealed type units. Review of the advantages and disadvantages of each unit type with the Project Manager so that the most appropriate unit is chosen.