21 00 00 Fire Suppression

A. The AE is responsible to follow all applicable codes and regulations in regards to fire suppression systems. These additional standards are intended to provide the Design Firm with additional requirements for Central Michigan University. The AE is responsible to submit any deviations to the CMU Project Manager at completion of Design Development for review and approval.
B. The minimum design pressure for water is 35 psi at grade level from the City of Mt. Pleasant.
C. AE is responsible to reference and follow the City of Mt. Pleasant standards from the main water line up to the building connection. Reference the City of Mt. Pleasant's standards and the initial memorandum of understanding between the City of Mt. Pleasant and Central Michigan University dated Sept 10, 2012. (City of Mt. Pleasant standard can be found online at www.mt-pleasant.org).
D. The auxiliary building connection for the sprinkler system shall be a single Guardian 5 inch Storz connector. This will include a 30 degree elbow installed at the 4 o'clock or 8' o'clock position to minimize bends in the connecting hose. Reference the City of Mt. Pleasant website for more information.
E. Schedule 40, welded pipe >2" diameter and threaded pipe ≤ 2" is the preferred method for fire suppression piping. Grooved fittings are permitted but the Contractor must hire a factory trained representative for the selected product and inspect each connection and provide a written report to CMU accepting the installation prior to pressurizing, or insulating the system.
F. Flexible sprinkler heads are permitted provided the braided hose and sprinkler head are a one piece, rated assembly that exceeds the AE pressure specifications. FlexHead is the basis of design.

DOCUMENT CONTROL PAGE:

Document Published:	January 22, 2013
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Revision History:

Date	Revision	Approved By:
7.22.12	Updated section E to remove soldered joints as preffered.	Steve Lawrence