

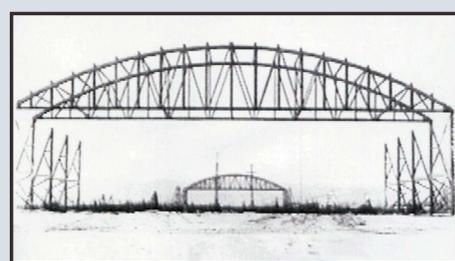
# Existing Conditions

**Hangars 2 and 3** were constructed between 1943 and 1944 and over the years the structural integrity of the wooden trusses has deteriorated with age and due to environmental conditions. Structural assessments indicate that most framing members display weaknesses resulting from cracking and splitting. As a result, the hangars' ceiling trusses cannot support helicopter maintenance equipment, their roofs do not meet building code for snow load, and their infrastructure no longer meets the standards of a functional and safe workplace.

**Over the life of the hangars,** maintenance and repair projects have included upgrades to hangar doors, repairs to roof trusses, and the installation of new fire protection and heating systems. Major alterations to the buildings have resulted in the replacement of original hangar doors, windows, siding, and roofing materials. However, no large scale rehabilitation actions have been performed on these buildings.

**On February 17, 2011,** an electrical fire in Hangar 2 severely damaged the west end of the hangar roof decking and the west end roof trusses. Subsequent structural investigations indicated that Hangar 2 lacked structural integrity and that the same structural deficiencies existed in Hangar 3. Since that time, both hangars have been found to be unsafe for occupancy and are currently vacant.

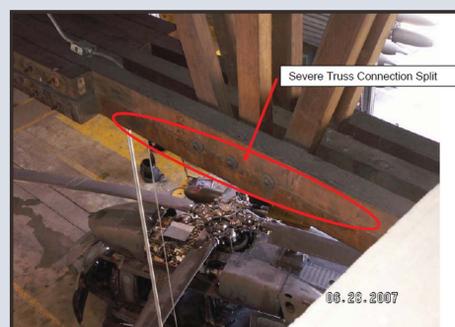
**In late 2012,** water pipes in Hangar 2 froze and burst, rendering the fire suppression system within the side offices inoperable. Unsafe working conditions and current funding levels prevent this system from being repaired. Repair or replacement of future system failures are also unlikely.



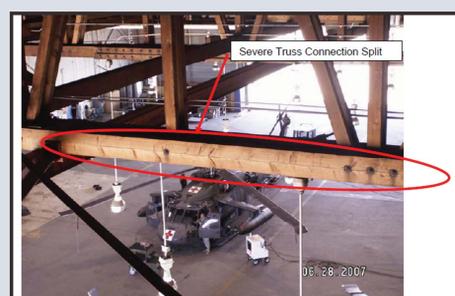
Truss System - 1943  
*US Army*



Interior Trusses - 1986  
*HABS - James Stuhler*



Example of Hangar 2 Damage  
*US Army*



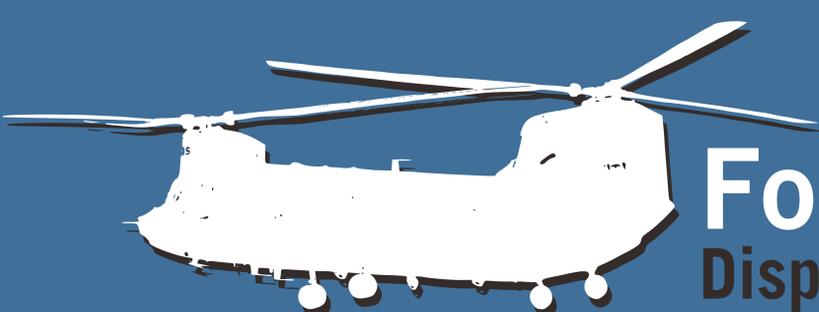
Example of Hangar 3 Damage  
*US Army*



Hangar 2 Fire  
*US Army*



Hangar 2 Fire Damage  
*US Army*



## Fort Wainwright Disposition of Hangars 2 & 3

Environmental Impact Statement and National Historic Preservation Act Section 106 Consultation

