

Plant 2 Glider History



1. UNIVAC/Sperry/UNISYS Plant 2 was the original **Engineering Research Associates** facility; located at 1902 Minnehaha Avenue in St. Paul, MN.
 2. Before ERA, this facility was a **Northwestern Aeronautical Corporation** glider manufacturing plant.
 3. John Parker was the **NAC** owner and first **ERA** President and financier.
 4. **NAC** was the 2nd largest WWII builder of the **CG-4A** glider.
- The **CG-4A** glider is commemorated in a Normandy, France museum and at the **Fagen WW II Museum** in Granite Falls, Minnesota
 - **Gish Devlaminck**, a VIP Club member, has visited both museums.
 - **Gish's** snapshots in the following slides show his museum visits.



**Two Glider Frame Photo circa 1942
from Tim Wandersee**

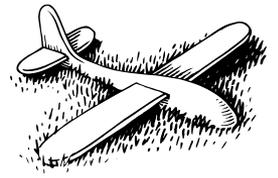
WW II Glider Manufacturers



1. Ford Motor Company's Kingsford (4,190)
2. **Northwestern Aeronautical Corporation of St. Paul (1,510)**
3. Commonwealth Aircraft of Kansas City (1,470)
4. General Aircraft Corporation of Astoria, L.I., NY (1,112)
5. Gibson Refrigerator of Greenville, Michigan (1,078)
6. Waco Aircraft Company of Troy (999)
7. Pratt-Read of Deep River, Connecticut (956)
8. Nine Other Manufactures (2,515)

Total Built 13,830

CG-4A Glider Airborne Museum, Normandy France





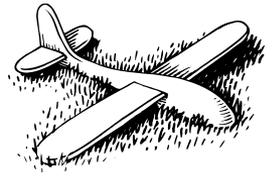
Fagen Fighters WW II Museum

Visited November 1, 2013

Granite Falls, MN

Gish Devlaminck

Fagen Inc.



- Family Owned Business
 - Ron Fagen, CEO and 1988 company founder
 - Ron's Father was Ray Fagen;
 - **WW II private who fought on Utah Beach and Battle of the Bulge**
- Main Offices
 - Corporate Headquarters; Granite Falls, MN
 - Southeast Regional Office; Greenville, SC
- **MARKETING OFFICES**
 - Baton Rouge, LA
 - Columbus, NE
 - Odessa, FL
 - Seattle, WA
- **MISC. LAYDOWN YARD**
 - Houston, PA
- Industries Served
 - Auto Manufacturing, Chemical, Ethanol, Food Processing, Grain & Seed, Metals, Mining, Natural Gas, Power, Pulp & Paper, Rubber Industry, Solar, Water Treatment, Wind Turbines



Fagen is the largest, most respected green energy design-builder in the United States.

Fagen Museum Buildings

- A. Hangar 1
 - Main entrance
 - Gift shop
 - Glider
 - Ground vehicles
 - Airplanes
- B. Main Hangar
 - More Planes
 - D-Day Tribute
- C. Quonset Hut
 - Motion detectors turn on audio for a mission briefing
- D. WW II Control Tower
 - Motion detectors turn audio explaining tower
- E. Two restoration hangars
- F. P-51 Target Area
- G. Planning to build third hangar for displays



CG-4A Glider



**Glider restoration work done by volunteers at
Villaume Industries in Eagan, MN - 2009/12**

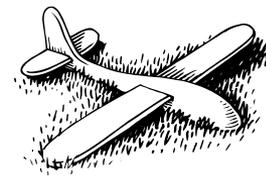


CG-4A Cockpit

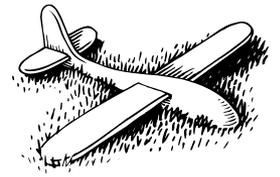


- Troop Capacity 13 with their equipment
- Cargo loads could be one of following
 - A quarter ton truck (Jeep)
 - 75 mm howitzer
 - Quarter ton trailer

CG-4A Inside Views

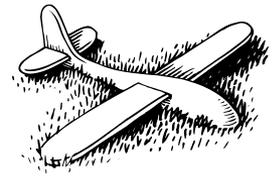


VIP Members Saw the Villaume Inc. Restoration Work in Eagan



These snapshots by LABenson - 2/3/2012

More Fagen Museum Pictures



Curtis P-40 Desert Shark



Messerschmitt



North American Aviation P-51 Mustang



Firing Range for airplane guns!

Fagen Museum Links, etc.



- Museum **Recommend that you visit when the weather is relatively warm**
 - www.fagenfighterswwiimuseum.org
 - Museum is four miles south of Granite Falls at Municipal Airport
 - Electronic equipment (radios, etc., some are functional)
- Youtube Promotional Video
 - http://www.youtube.com/watch?v=n_2XBmsrWAO
 - Video is also available on museum link
- Other Granite Falls, MN Attractions
 - Andrew Volstead House
 - Minnesota Congressman 1920s
 - Responsible for the Volstead Act (aka Prohibition Act)
 - Prairie's Edge Casino Resort

END of slides, *thanks Gish!*

More about Plant 2 at <http://vipclubmn.org/Locations.html>

Editing and formatting for the web by LABenson