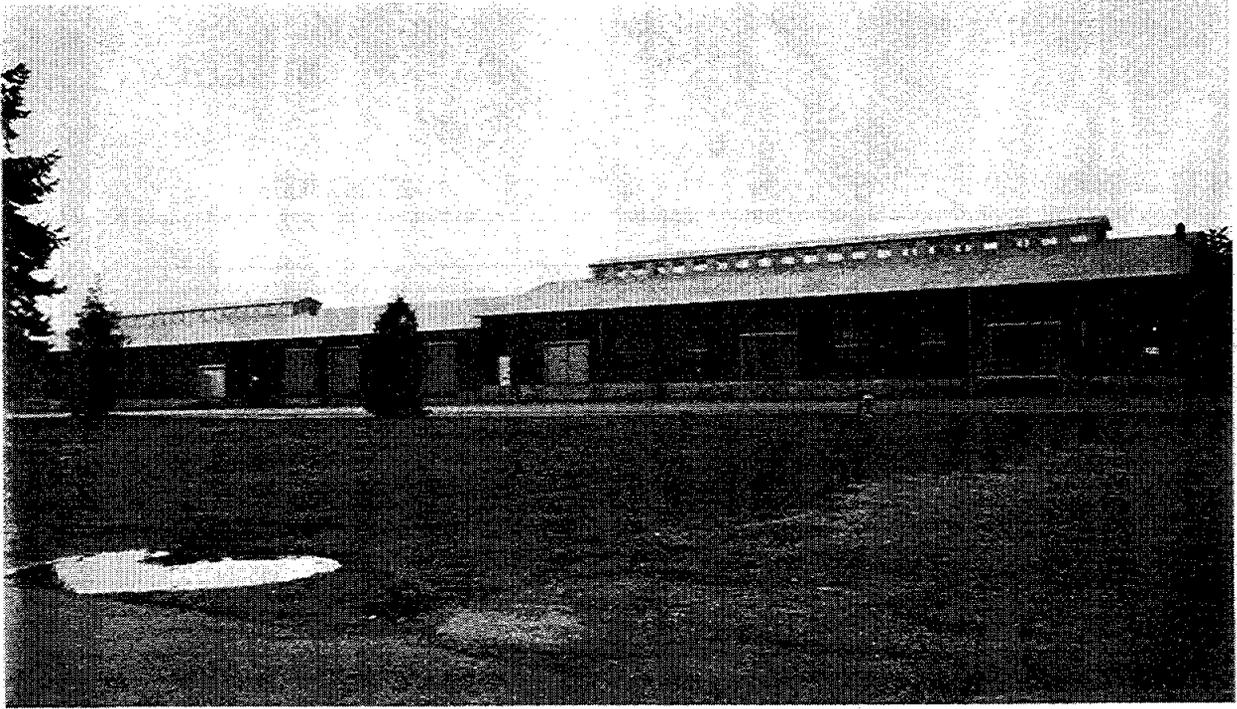


## BUILDING 4175

Building 4175 (formerly W-1 & W-2) was originally constructed as two separate buildings. The two original buildings were completed in 1934. The space between the two original buildings was subsequently filled in with a wood-framed structure. In late 1951 this wood-framed in-fill section was removed and replaced with a 4-bay masonry on concrete foundation in-fill matching the design and construction of the original two structures. The three structures are now considered one building.

Foundations and floor slabs are concrete. O.Q.M.G. log books indicate the walls of the two original sections to be concrete with masonry facing. The walls of the in-fill addition are 8" masonry tile. The roof of all sections is corrugated metal supported by steel trusses. Alterations beyond the in-fill addition are basically limited to filling in some of the freight doors either solid or with a man door.



1987 PHOTO

**BUILDING 4175**



# BUILDING 4175

## CONDITION SURVEY

1. **Foundation:** Serious crack and overstressing at southeast corner, southwest corner, northwest corner.
2. **Walls:** 45° crack through mortar joints from foundation to halfway up wall (south side near east end, and north side near west end.) Mortar very soft and crumbly. Repointing needed (south, west, and north sides). Stress cracks down joints where low bay meets high bay, and other locations on south and north walls.
3. Filled in freight doorways - intrusive design.
4. **East end:** Appears that a window (or possibly door) was filled in and a new double flush wood door cut in. Mortar needs repointing this area.
5. Many broken window panes. Chipped paint and rust on steel sash.



## MAINTENANCE AND REPAIR NOTES

### 1. FOUNDATION CRACKS

- a. Consult preservation structural engineer for proper repair procedure.

### 2. WALLS

- a. Repoint south, north, and west sides.
- b. Consult structural engineer for analysis and repair of vertical and diagonal stress cracks.

### 3. FILLED - IN FREIGHT DOORS

- a. Better solution may have been to design infill panels that replicated original door design.

### 4. REPOINTING

- a. Thoroughly clean deteriorated mortar out of joints.
- b. Replace with new mortar tinted to match existing adjacent.
- c. Tool joints to match existing.

### 5. WINDOWS

- a. Refer to article on "Steel Windows".
- b. Remove all rust by sanding, lightly grinding, or sand blasting.
- c. Scrape and sand other areas of loose paint.
- d. Replace broken panes.
- e. Prime and repaint sash.