

NEW ENGLAND REGIONAL COUNCIL OF CARPENTERS, AFL-CIO

United Brotherhood of Carpenters and Joiners of America

MARINE INDUSTRIAL PARK/EDIC
22 DRYDOCK AVENUE, SUITE 304
BOSTON, MA 02210-2386



TELEPHONE (617) 443-1988
FAX (617) 443-4566
www.piledriverslu56.org

DAVID WOODMAN
REGIONAL COUNCIL REPRESENTATIVE

**PILE DRIVERS
LOCAL UNION 56**

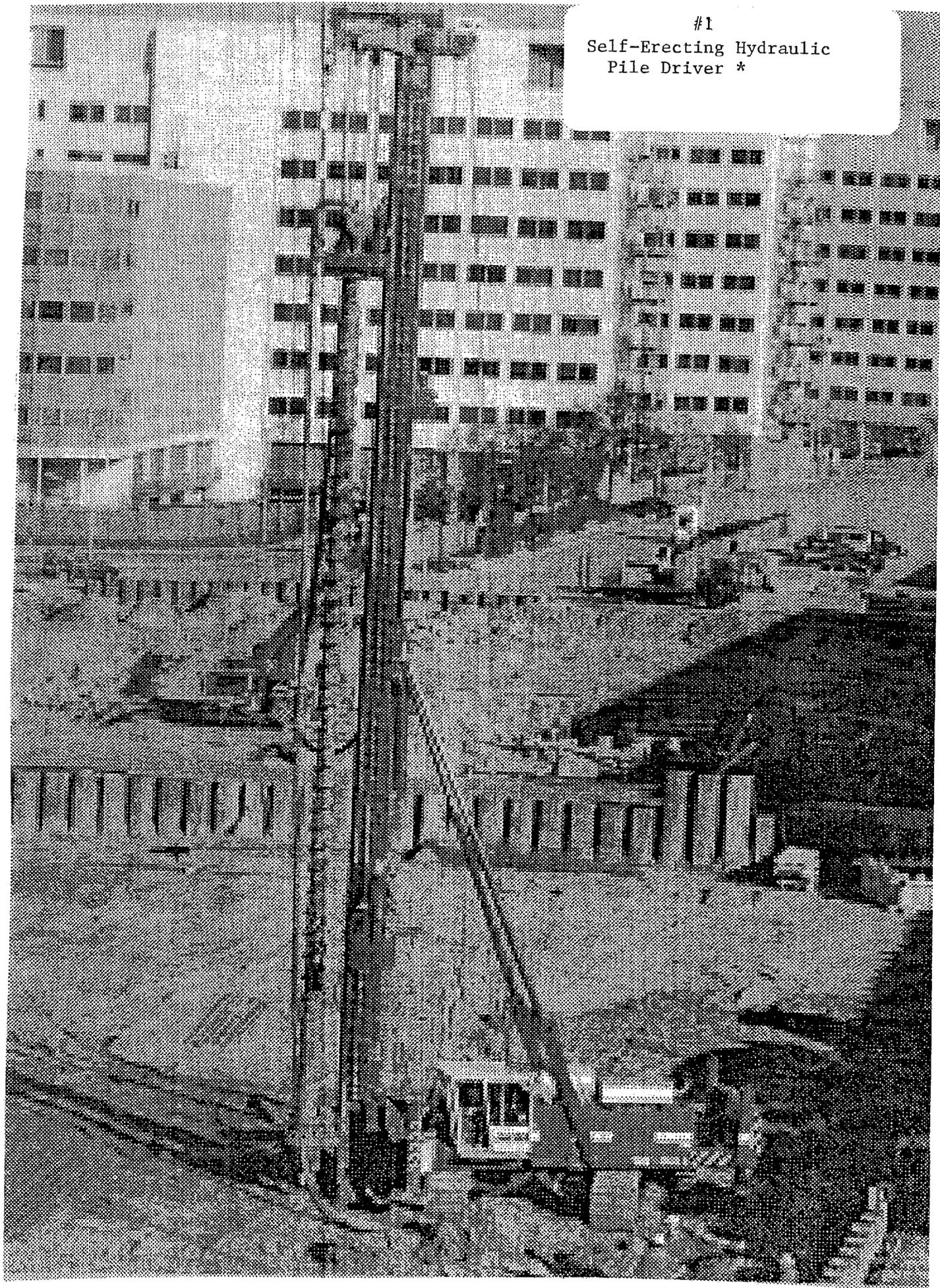
DAN KUHS
REGIONAL COUNCIL REPRESENTATIVE

PHOTOS

- #1 Self-Erecting Hydraulic Pile-Driver *
- #2 Self-Erecting Pile Driver Specifications
- #3 Cab of Self-Erecting Pile-Driver after tipping
- #4 Broken Boom Section
- #5 Boom Section – Struck Neighboring Business
- #6 Uneven Terrain
- #7 A & B Pile Driving Crane tipped and struck Bridge due to Unstable Soil Conditions
- #8 A & B Pile Driving Crane tipped and struck Service Crane due to Unstable Soil Conditions

* Please note the Self-Erecting Pile Driver in this Photo is not the same Pile-Driver in the following photos but is used for demonstration purposes

#1
Self-Erecting Hydraulic
Pile Driver *



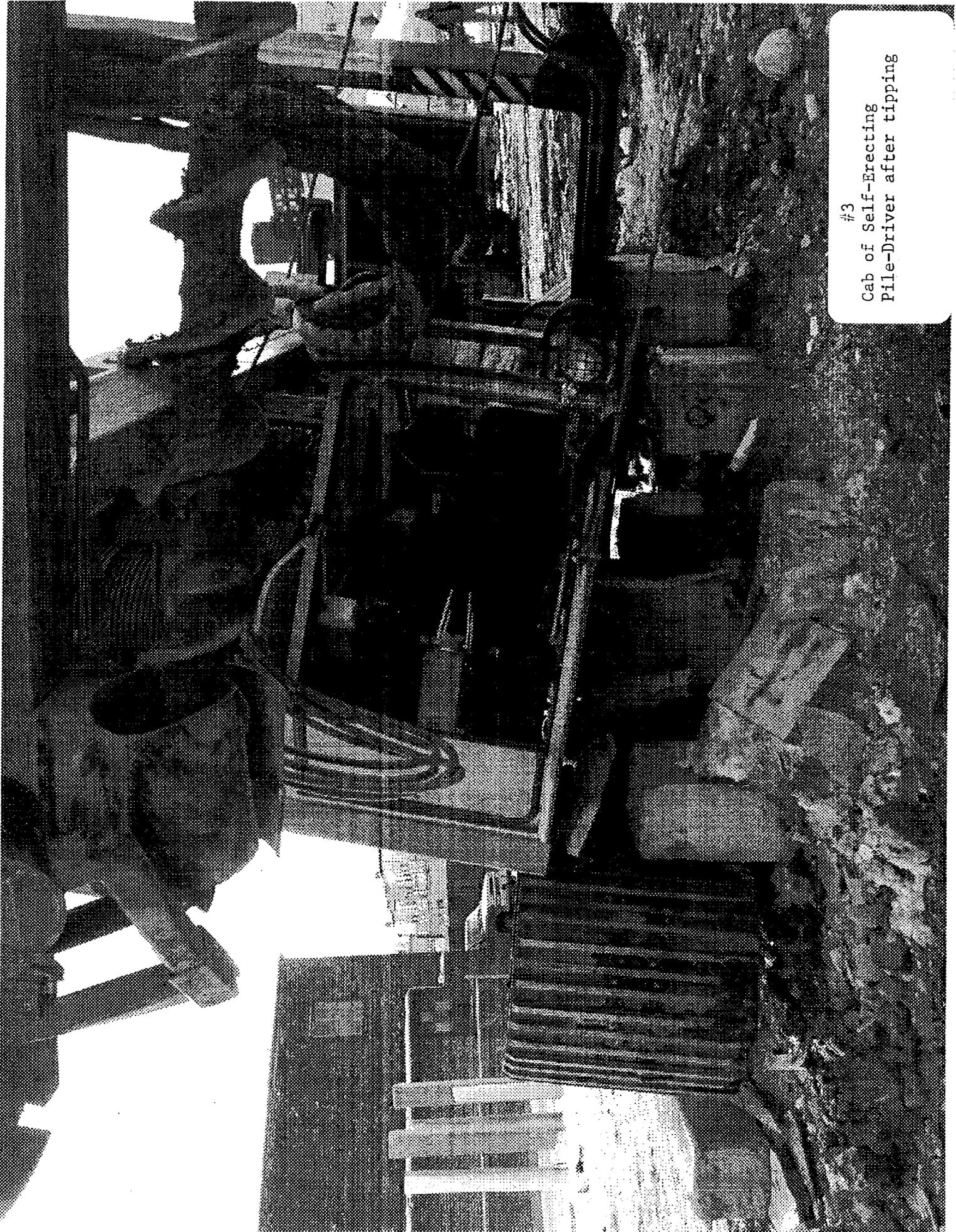
Self-Erecting Pile Driver Specifications

PILENG RIGS

with folding leader

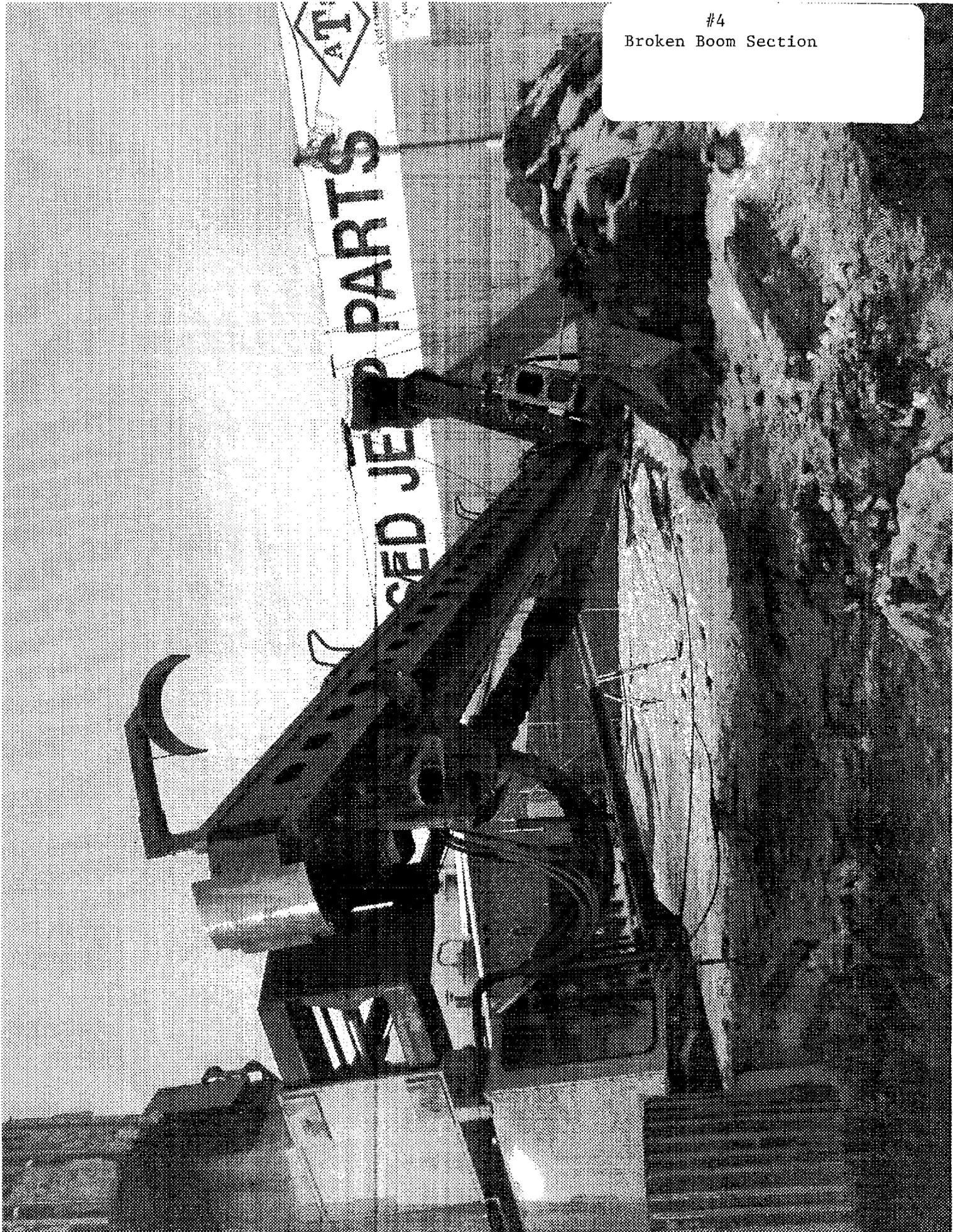
Model	3014	4017	5021	5024S	7530
Standard leader length	54 ft	72 ft	92 ft	82 ft	100 ft
Maximum leader length	65 ft	82 ft	92 ft	92 ft	110 ft
Leader stroke	10 ft	11.7 ft	15 ft	15 ft	15 ft
Mini dimensions leader	1.56 ft x 1.56 ft	2 ft x 2 ft	2.16 ft x 2 ft	2.16 ft x 2 ft	3 ft x 2.83 ft
Max. weight hammer + pile	8.8 tons	11.8 tons	19.2 tons	19.2 tons	27.5 tons
Capacity of hammer switch	7.7 tons line-pull	11.0 tons line-pull	6.6 tons line-pull	13.75 tons line-pull	13.75 tons line-pull
Speed of hammer switch	0-117 ft/min.	0-117 ft/min.	0-200 ft/min.	0-200 ft/min.	0-200 ft/min.
Capacity of pile switch	5.5 tons line-pull	6.6 tons line-pull	6.6 tons line-pull	6.6 tons line-pull	13.75 tons line-pull
Speed of pile switch	0-117 ft/min.	0-117 ft/min.	0-200 ft/min.	0-200 ft/min.	0-200 ft/min.
Capacity of service switch	2.75 tons line-pull	2.75 tons line-pull	4.4 tons line-pull	4.4 tons line-pull	6.6 tons line-pull
Speed of service switch	0-134 ft/min.	0-117 ft/min.	0-133 ft/min.	0-133 ft/min.	0-100 ft/min.
Engine	Cummins	Cummins	Cummins	Cummins	Caterpillar
Engine power	150 hp (110 kW)	210 hp (155 kW)	230 hp (174 kW)	250 hp (190 kW)	450 hp (333 kW)
Electric system	24 Volt	24 Volt	24 Volt	24 Volt	24 Volt
Spotting	4.16 ft	5 ft	5 ft	5 ft	5 ft
Hydraulic pumps	Benough Hydraulic	Benough Hydraulic	Benough Hydraulic	Benough Hydraulic	Benough Hydraulic
Transport width	10 ft	11 ft	11.3 ft	11.3 ft	11.6 ft
Operating width	12 ft	13.7 ft	14.5 ft	14.5 ft	16 ft
Transport height	10.6 ft	11.6 ft	11.8 ft	11.8 ft	11.8 ft
Trayplate width	3 ft	3 ft	3 ft	3 ft	3 ft
Undercarriage length	13.3 ft	15.2 ft	16.7 ft	16.7 ft	18.65 ft
Stroke counterweight	Fixed	Fixed	4.2 ft	4.2 ft	Fixed
Headparts	Barro	Barro	Barro	Barro	Barro
Counterweight	3.3 tons	5.7 tons	7.6 tons	7.6 tons	19.2 tons
Transport length	57.5 ft *	66 ft *	64 ft	64 ft	78 ft
Machine weight without hammers	31.9 tons	40.7 tons	55.0 tons	55.0 tons	88.0 tons

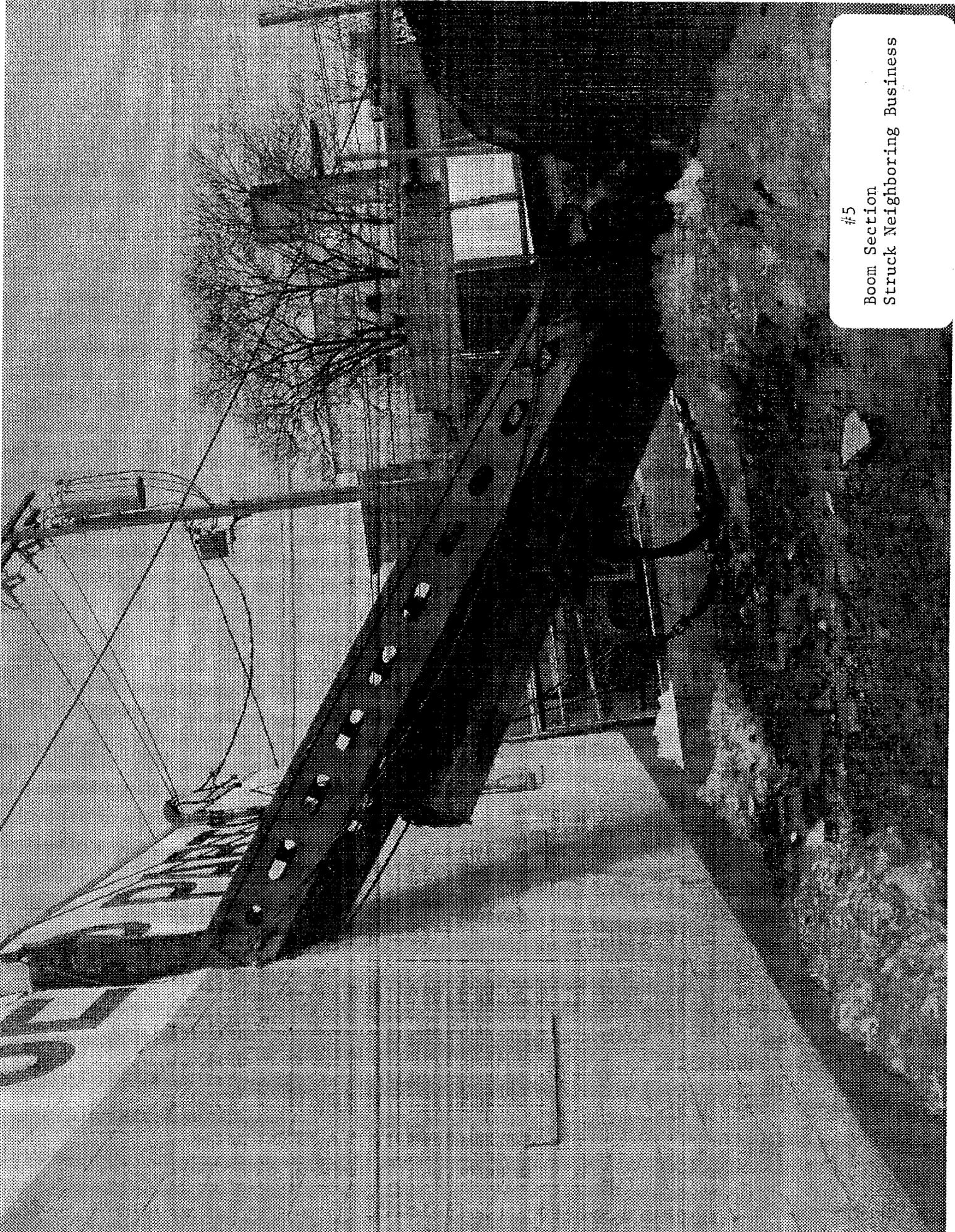
* Leader not folded



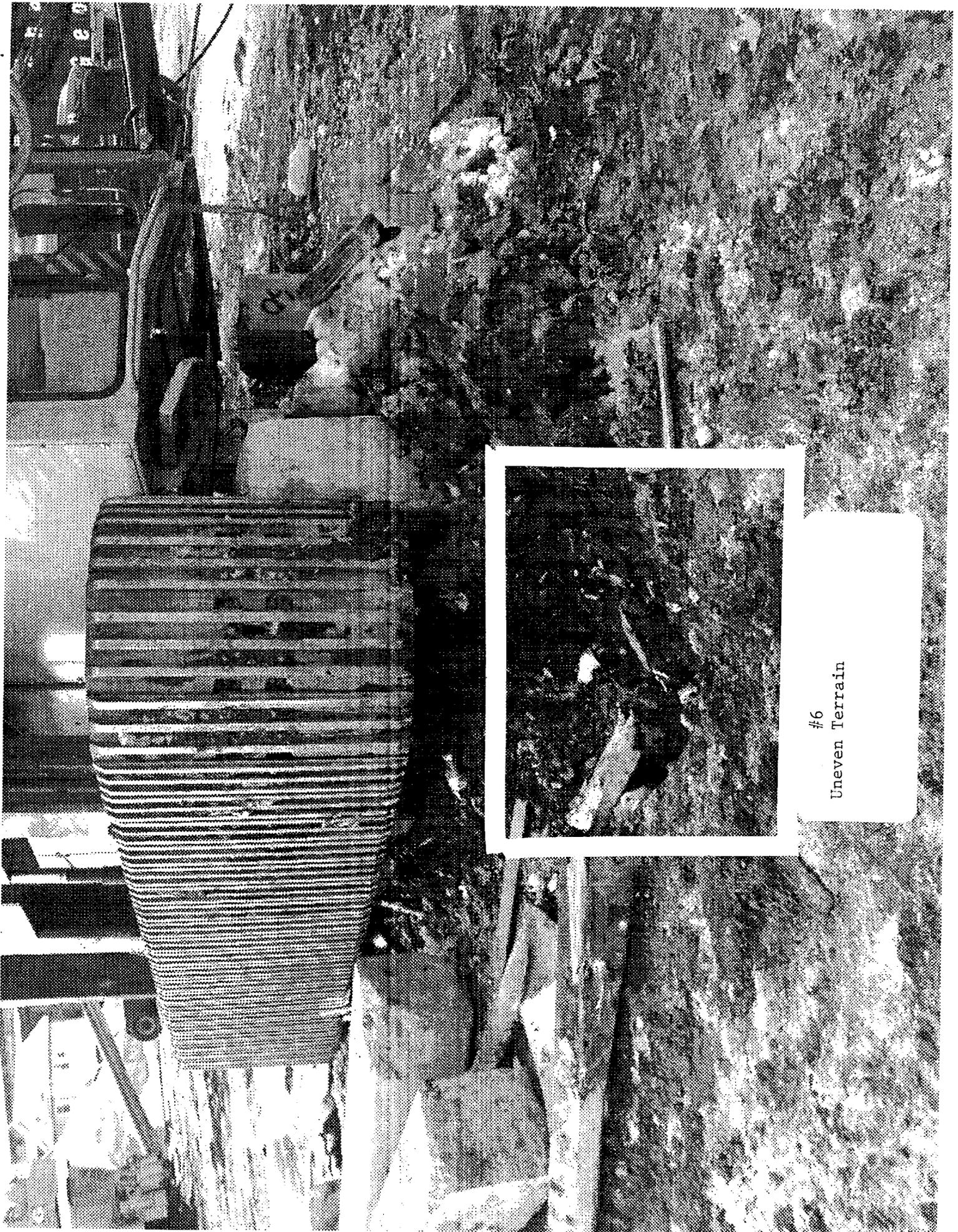
#3
Cab of Self-Erecting
Pile-Driver after tipping

#4
Broken Boom Section

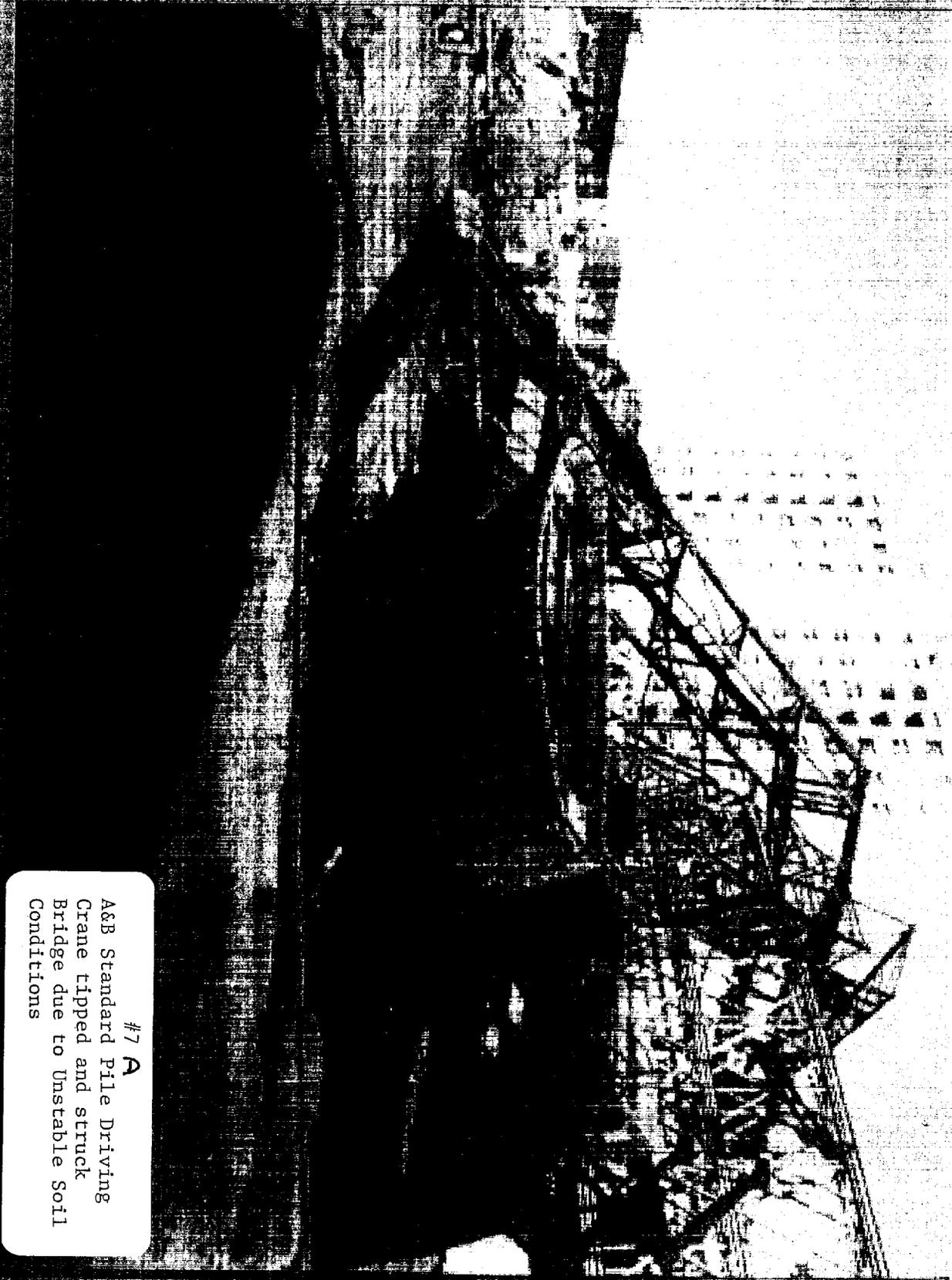




#5
Boom Section
Struck Neighboring Business



#6
Uneven Terrain

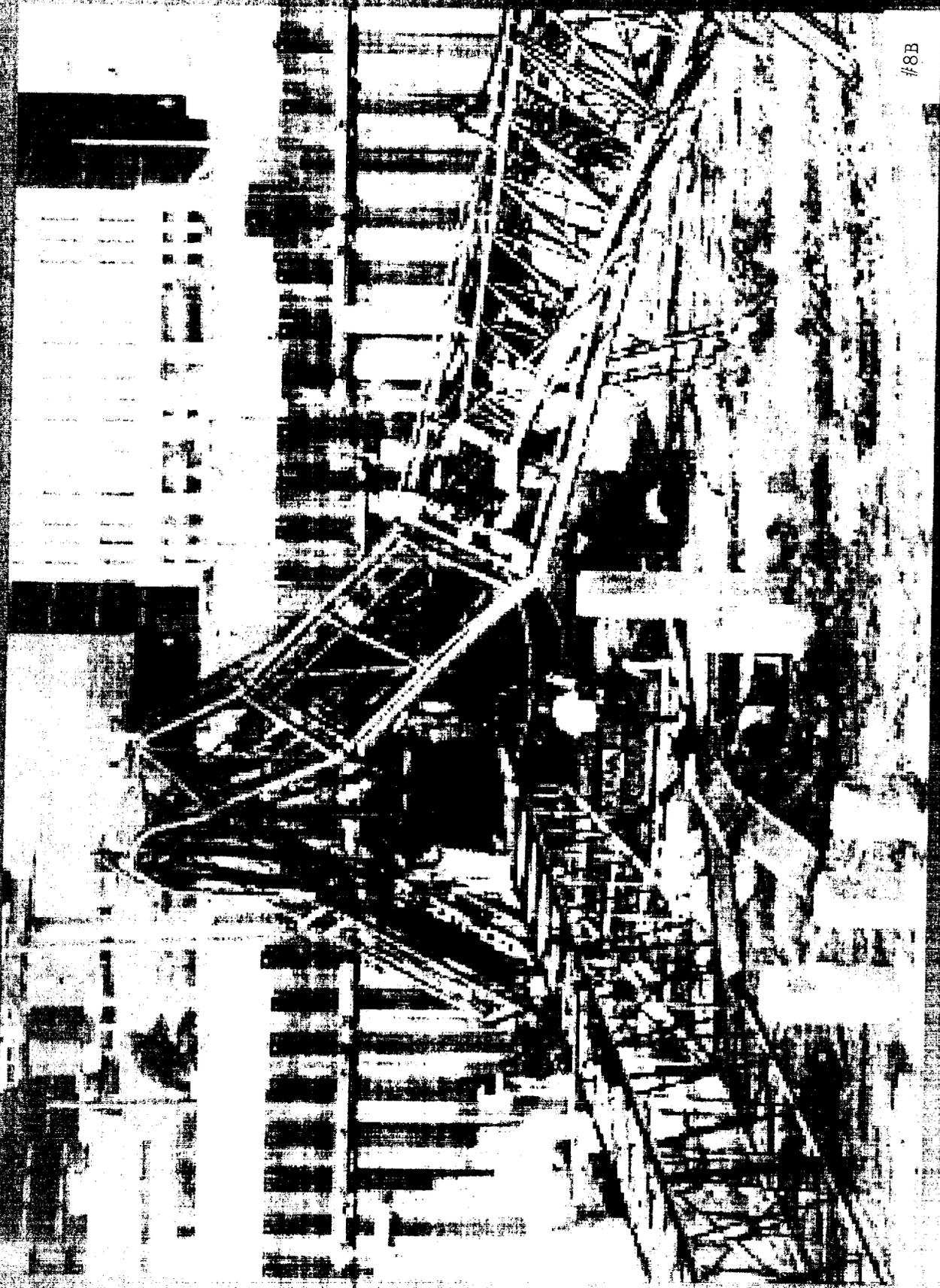


#7 A
A&B Standard Pile Driving
Crane tipped and struck
Bridge due to Unstable Soil
Conditions



#8 A
A&B Pile Driving Crane tipped
and struck Service Crane due
to Unstable Soil Conditions





#8B