

NEW ENGLAND REGIONAL COUNCIL OF CARPENTERS, AFL-CIO

United Brotherhood of Carpenters and Joiners of America

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**PILE DRIVERS
LOCAL UNION 56**

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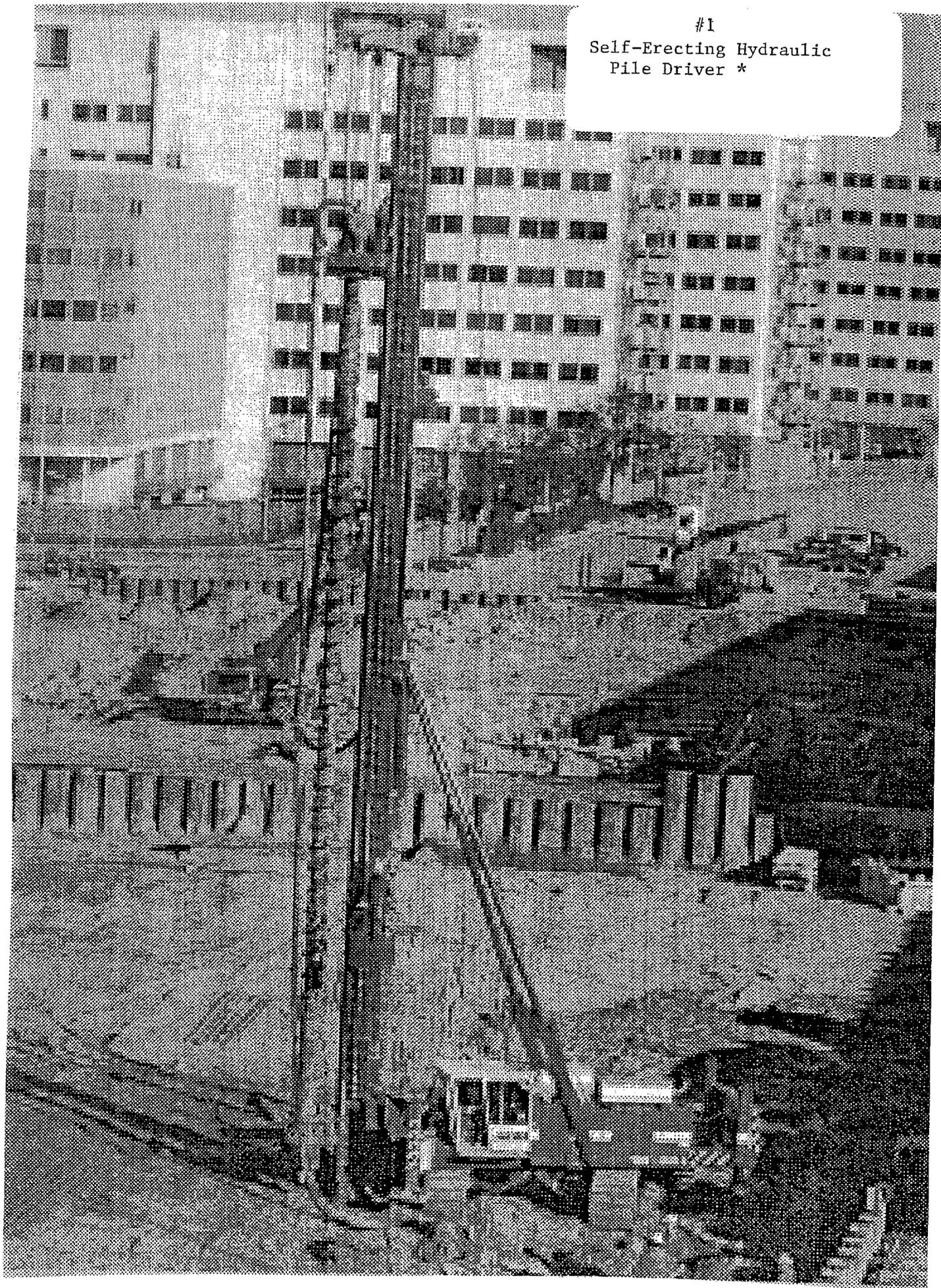
**Docket S030
Ex. 48-8**

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 *



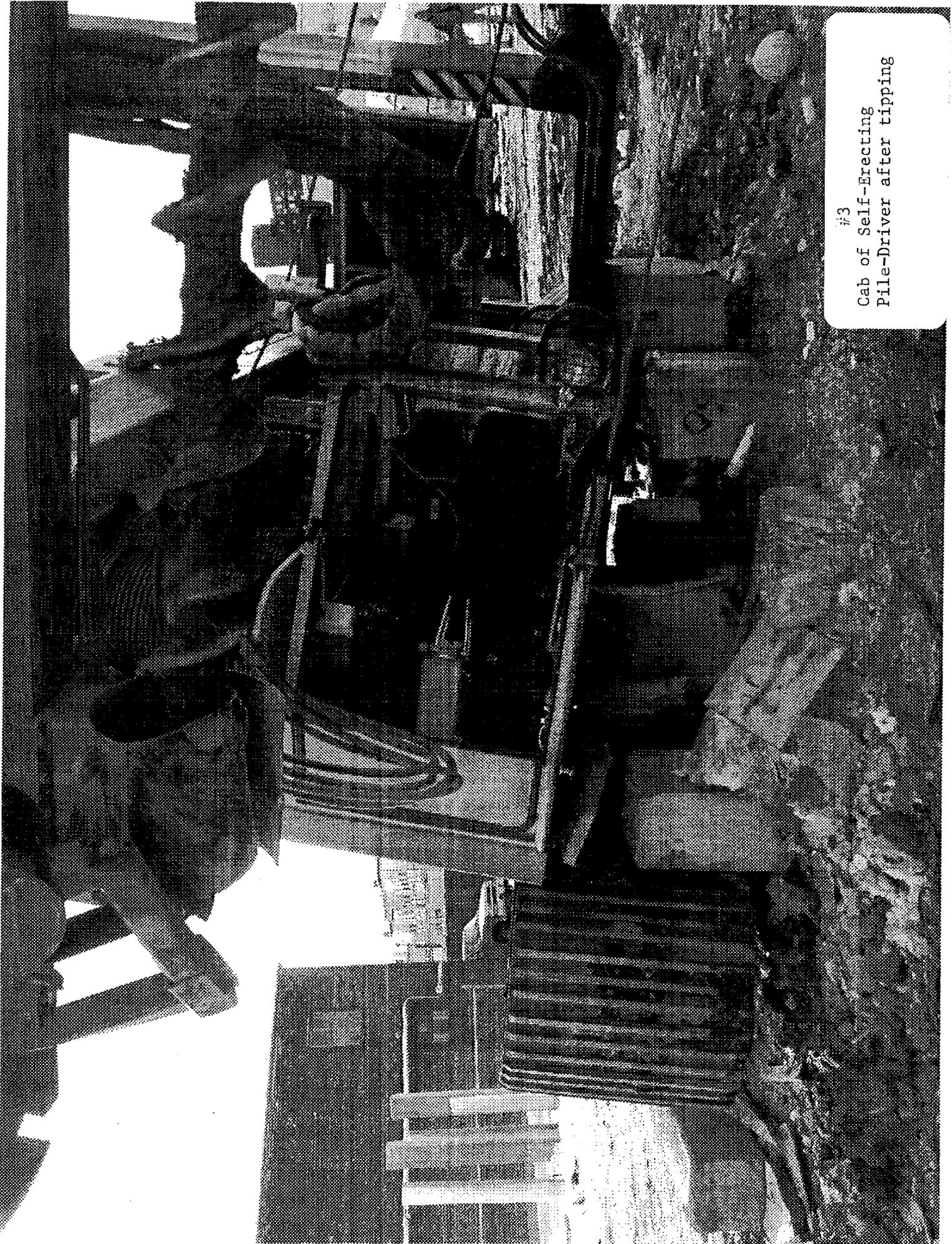
Self-Erecting Pile Driver Specifications

PILENG RIGS

with folding leader

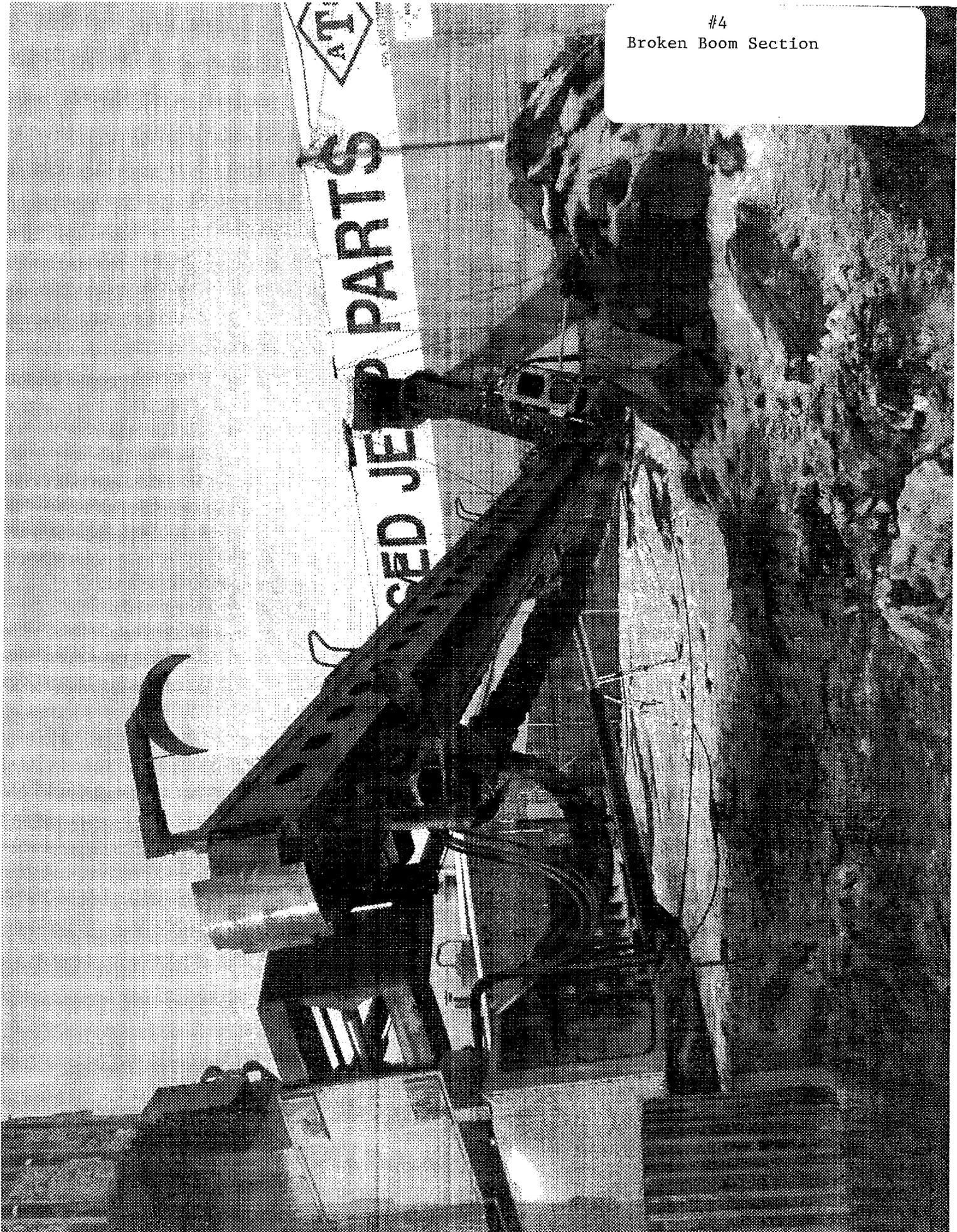
Model	30H	40T	50T	50ZS	75S0
Standard leader length	55 ft	72 ft	82 ft	82 ft	100 ft
Maximum leader length	65 ft	82 ft	92 ft	92 ft	110 ft
Leader stroke	19 ft	13 ft	15 ft	15 ft	15 ft
Max. weight hammer + pile	1.66 ft x 1.56 ft 18 tons	2 ft x 2 ft 11.0 tons	2.16 ft x 2 ft 19.2 tons	2.16 ft x 2 ft 19.2 tons	3 ft x 2.83 ft 27.5 tons
Capacity of hammer work	7.7 tons line-pull	11.0 tons line-pull	6.5 tons line-pull	13.75 tons line-pull	13.75 tons line-pull
Speed of hammer work	0.117 ft/min	0.117 ft/min	0.200 ft/min	0.200 ft/min	0.300 ft/min
Capacity of pile work	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 work	0.117 ft/min	0.117 ft/min	0.200 ft/min	0.200 ft/min	0.200 ft/min
Capacity of service work	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 work	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)	260 hp (191 kW)	450 hp (333 kW)
Electric system	24 Volt	24 Volt	24 Volt	24 Volt	24 Volt
Spooling	435 ft	5 ft	5 ft	5 ft	5 ft
Hydraulic pumps	Research Hydraulic	Research Hydraulic	Research Hydraulic	Research Hydraulic	Research Hydraulic
Transport width	10 ft	11 ft	11.3 ft	11.3 ft	11.5 ft
Operating width	12 ft	13.7 ft	14.6 ft	14.5 ft	16 ft
Transport height	10.6 ft	11.6 ft	11.8 ft	11.8 ft	11.8 ft
Trackage width	3 ft	3 ft	3 ft	3 ft	3 ft
Undercarriage height	13.3 ft	16.2 ft	16.7 ft	16.7 ft	16.6 ft
Stroke counterweight	Fixed	Fixed	4.2 ft	4.2 ft	Fixed
Headparts	Beta	Beta	Beta	Beta	Beta
Counterweight	3.3 tons	5.7 tons	7.6 tons	7.6 tons	19.2 tons
Transport height	57.5 ft *	66 ft *	64 ft	64 ft	78 ft
Max. weight without hammer	31.9 tons	40.7 tons	55.0 tons	55.0 tons	88.0 tons

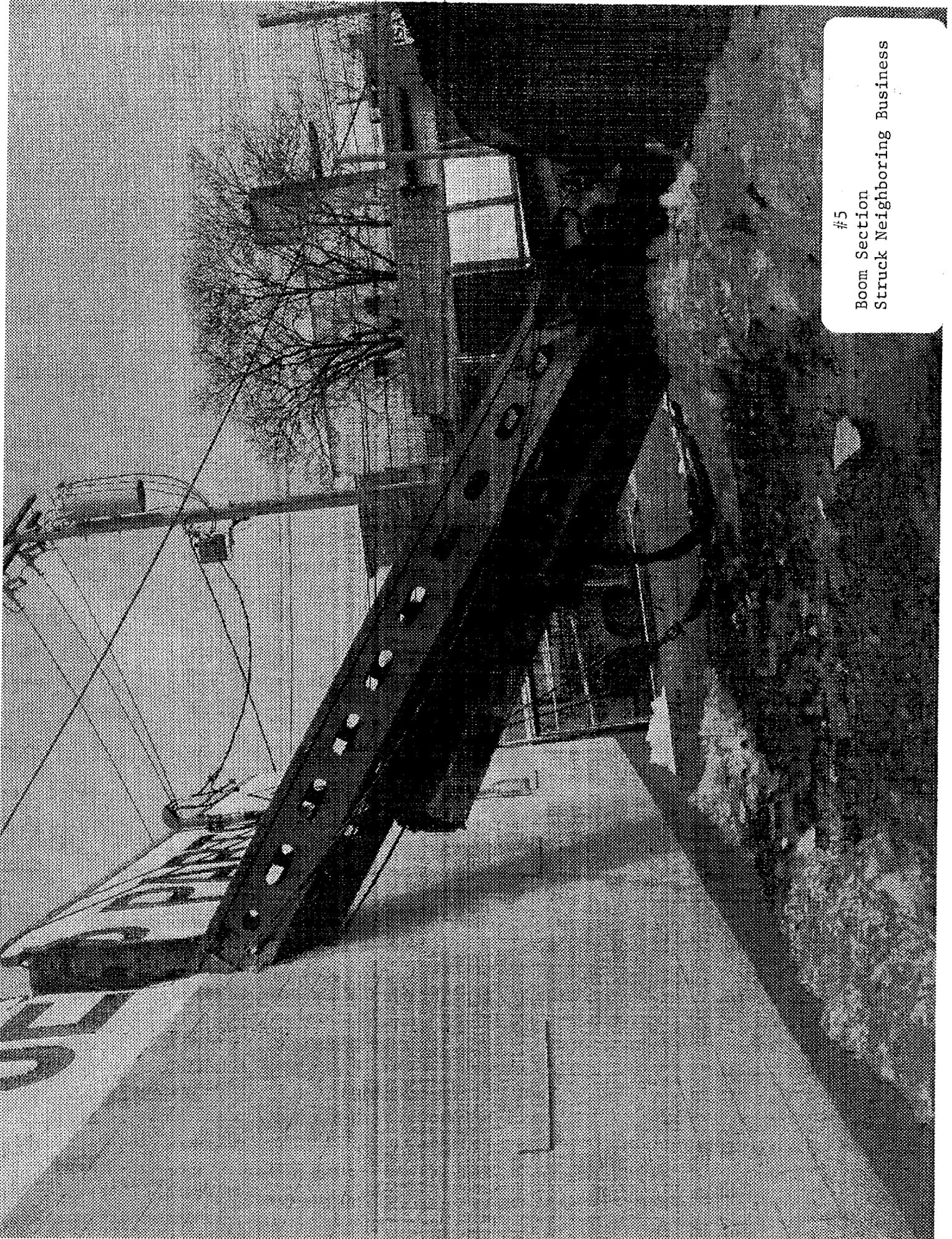
* Leader not folded



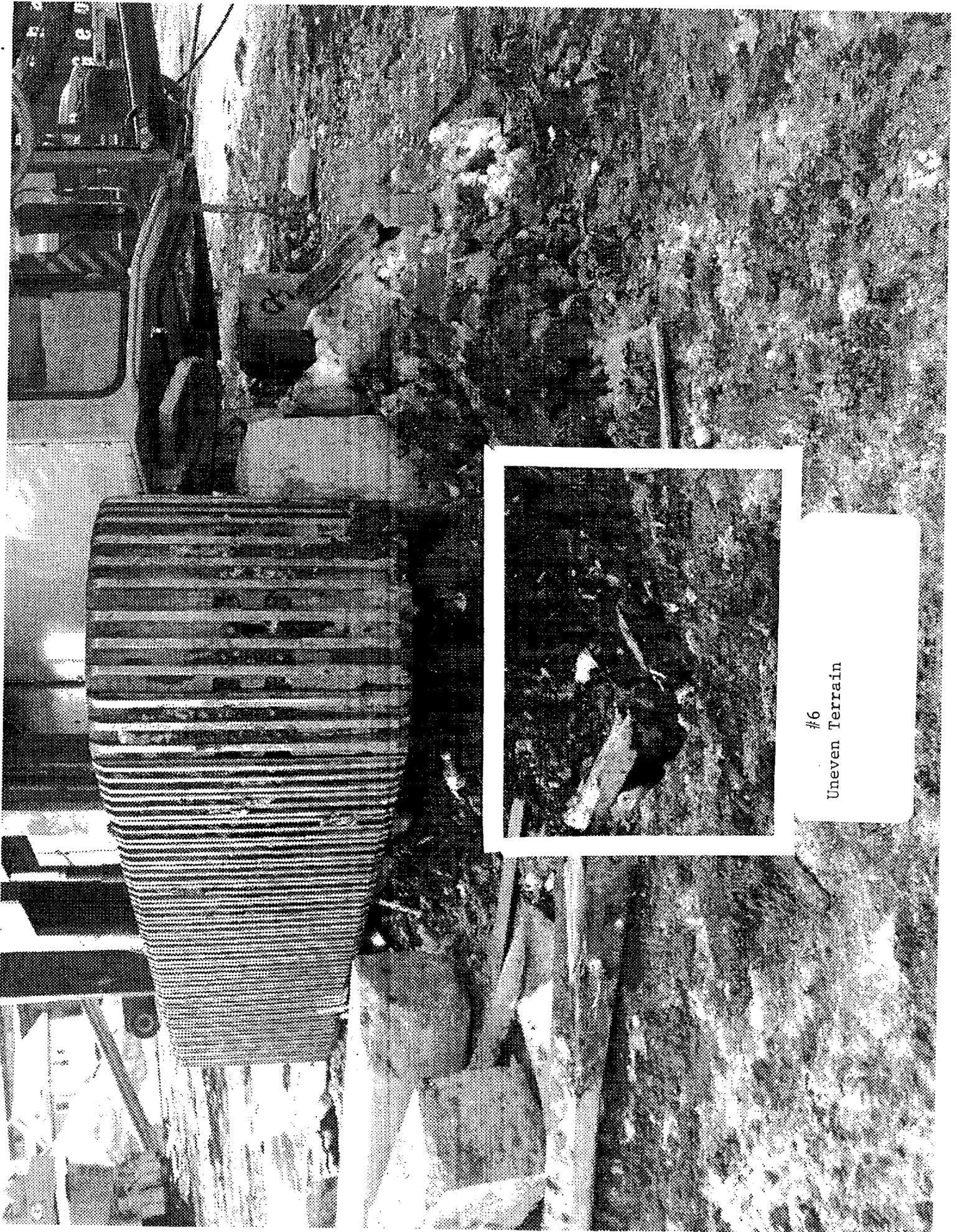
#3
Cab of Self-Erecting
Pile-Driver after tipping

#4
Broken Boom Section

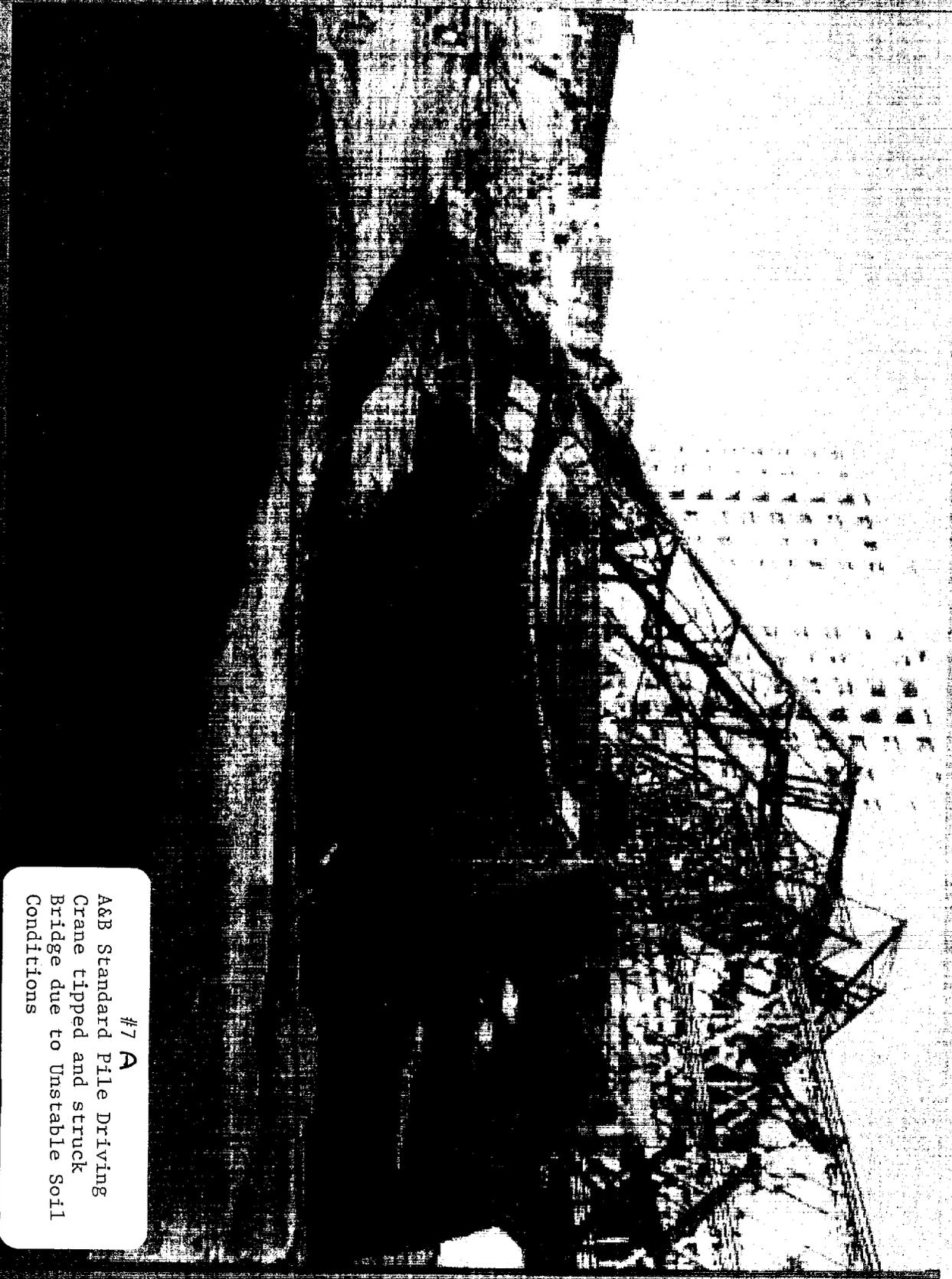




#5
Boom Section
Struck Neighboring Business



#6
Uneven Terrain



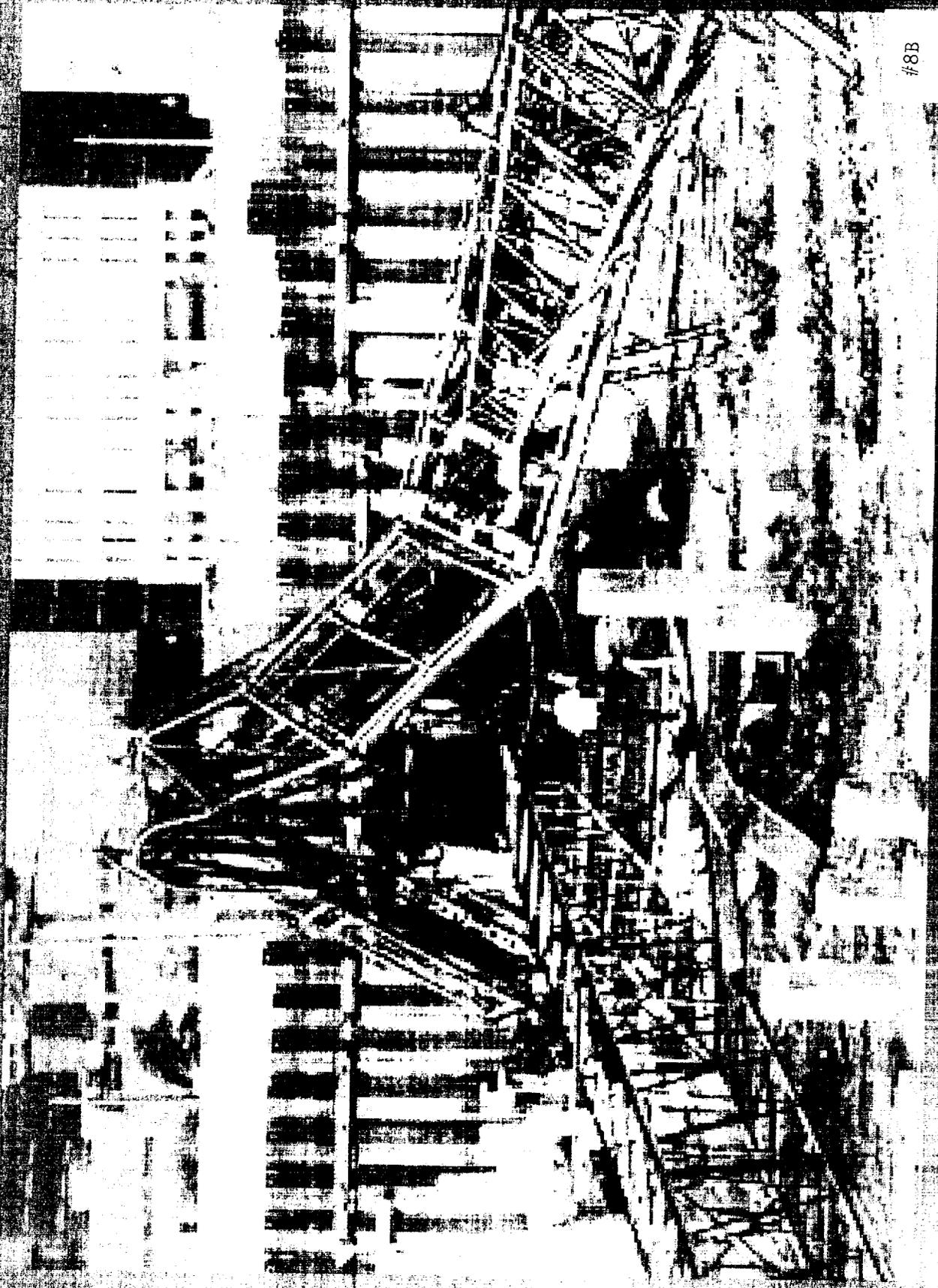
#7 A
A&B Standard Pile Driving
Crane tipped and struck
Bridge due to Unstable Soil
Conditions



#8 A

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





#8B