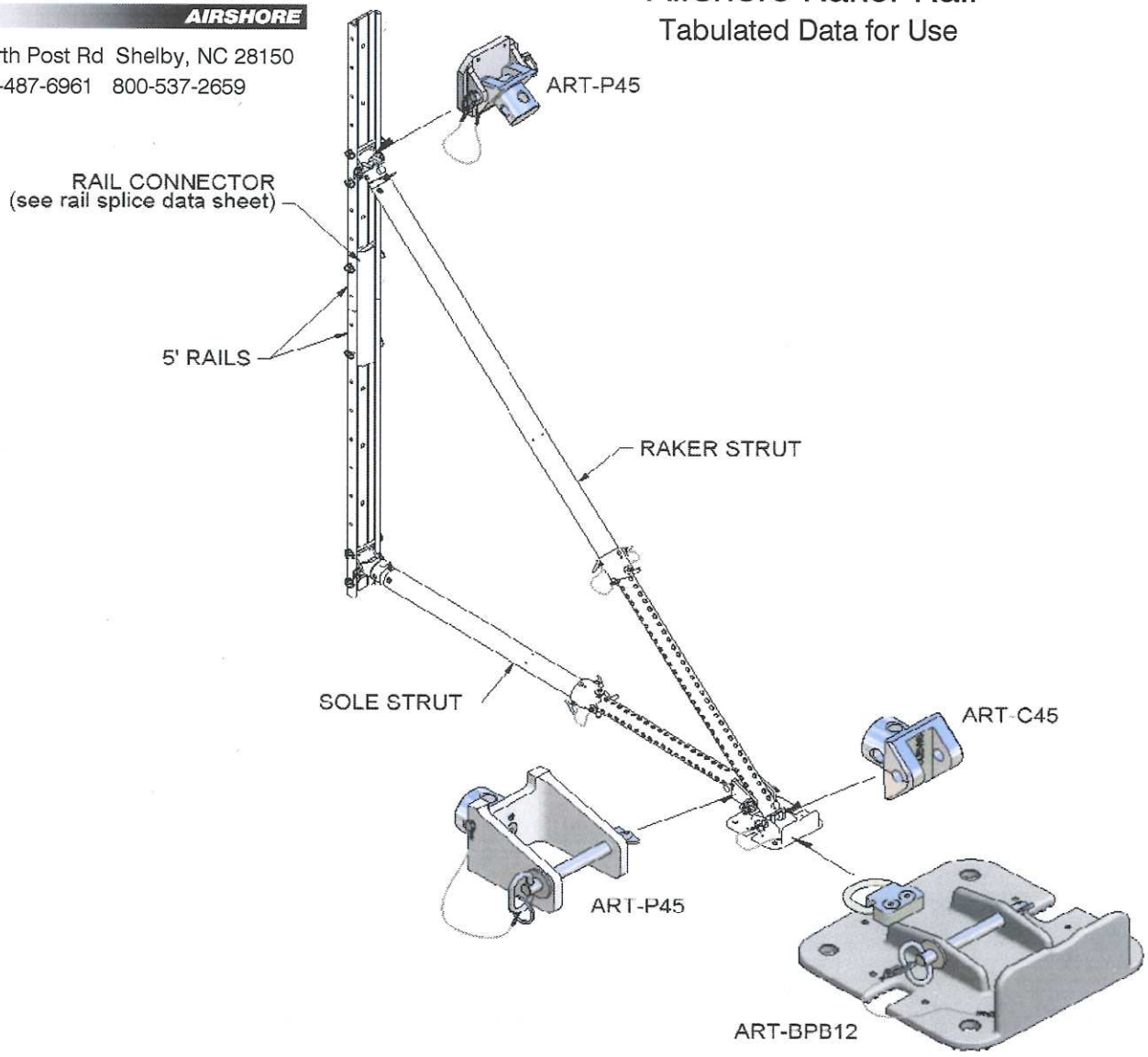
HURST JAWS OF LIFE® AIRSHORE

711 North Post Rd Shelby, NC 28150
704-487-6961 800-537-2659

Airshore Raker Rail

Tabulated Data for Use



NOTES:

1. Rakers should be placed in pairs as shown above spaced no farther than 8 feet apart. They should be connected to the piece being shored or they should be cross braced using a minimum of 2x6 cross bracing.
2. Airshore raker rail shall be configured so that the angle between the raker strut and the ground does not exceed 60 degrees.
3. Light Duty or Heavy Duty rails may be used.
4. On concrete surfaces use a minimum of 4-5/8" wedge anchors with a minimum of 4" embedment on each base plate.
5. After struts are firmly in place they should be tightened using the standard collar and pins that are provided with the system.
6. This tabulated data is based on "*FEMA National US&R Response System-Technical Working Group report of Airshore International Raker Shore System Testing. 15, Jan 00.*
7. The Airshore Raker System is intended for use in emergency situations. Caution should be used during installation and the installation should be checked by an engineer if they are left in place for any length of time.

REGISTERED PROFESSIONAL ENGINEER
ADRIANUS J. VERMEULEN
No. 69082
Exp. 6/30/14
CIVIL
STATE OF CALIFORNIA

J.M. TURNER ENGINEERING, INC.
CONSULTING ENGINEERS
1525 COLLEGE AVE., SANTA ROSA, CA. 95404
(707) 528-4503 FAX (707) 528-4505

DATE	REVISED	JOB NO:	SHEET #
6/1/2000	3/13/2012	13088-1	1 of 2

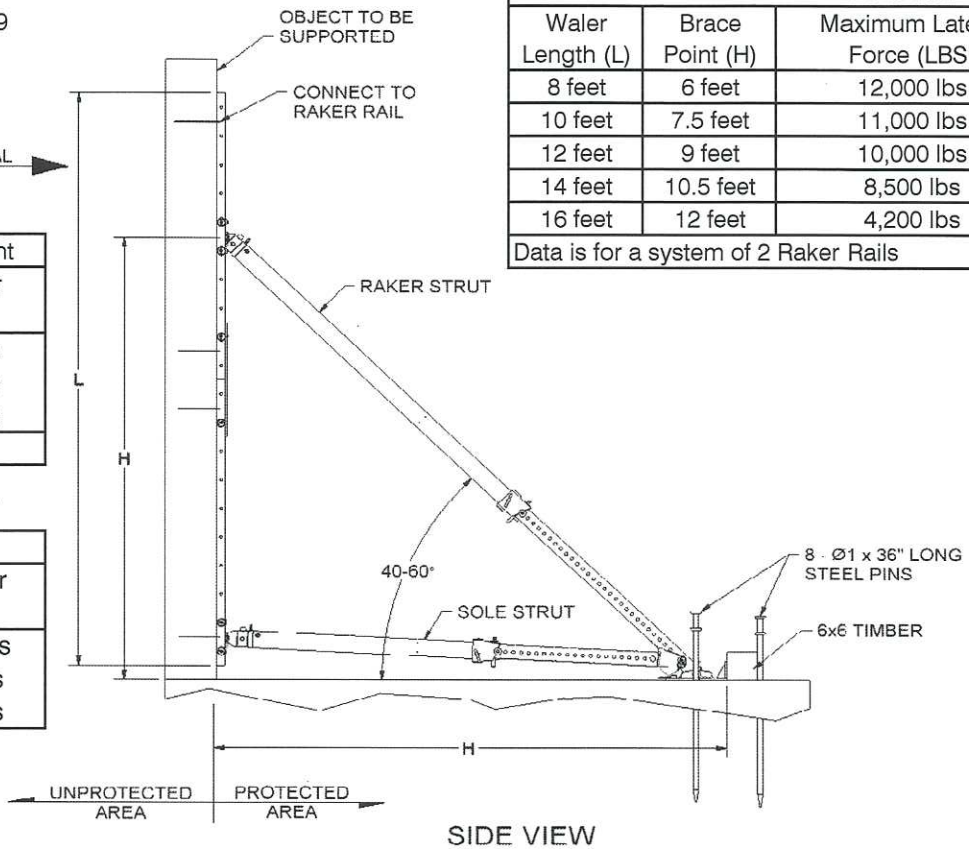
Airshore Raker Rail
Tabulated Data for Use

HURST JAWS OF LIFE® AIRSHORE
711 North Post Rd Shelby, NC 28150
704-487-6961 800-537-2659

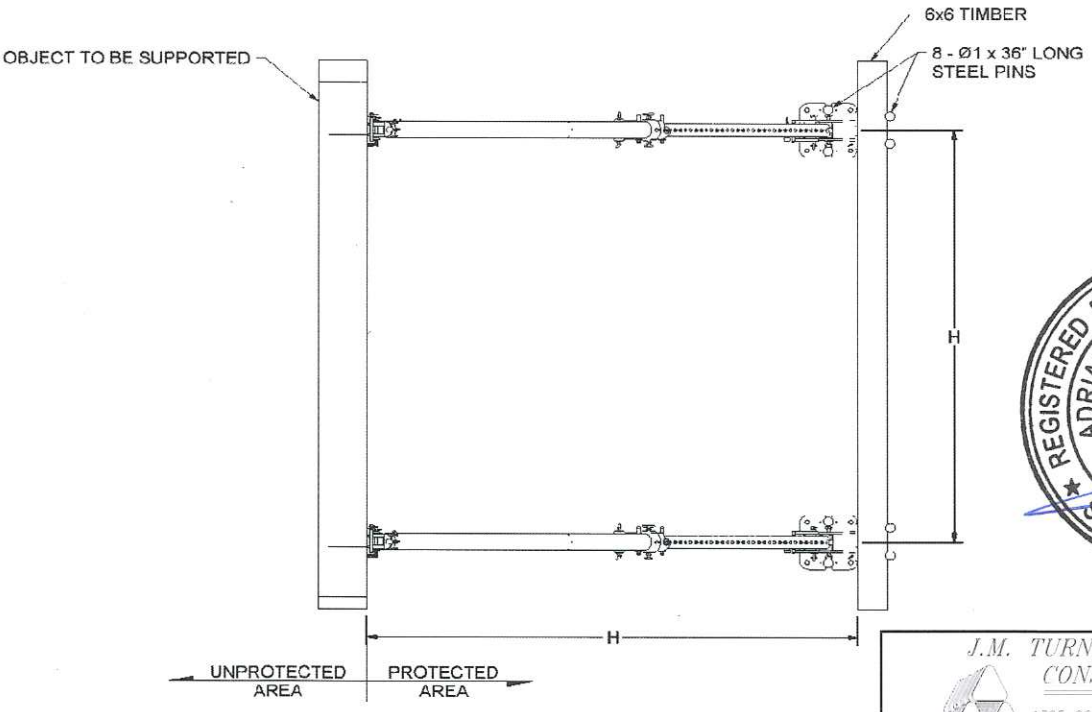
ALLOWABLE LATERAL FORCE		
Waler Length (L)	Brace Point (H)	Maximum Lateral Force (LBS)
8 feet	6 feet	12,000 lbs
10 feet	7.5 feet	11,000 lbs
12 feet	9 feet	10,000 lbs
14 feet	10.5 feet	8,500 lbs
16 feet	12 feet	4,200 lbs
Data is for a system of 2 Raker Rails		

Seismic Lateral Force = .3 x Weight	
Concrete Wall Thickness	Force per 100 SF
12 inches	4,500 lbs
8 inches	3,000 lbs
6 inches	2,250 lbs
Based on Seismic Zone 4	

Predicted Lateral Force - Wind		
Wind Speed	Force	Force per 100 SF
100 mph	45 psf	4,5000 lbs
90 mph	35 psf	3,500 lbs
80 mph	30 psf	3,000 lbs



SIDE VIEW



TOP VIEW

REGISTERED PROFESSIONAL ENGINEER
ADRIANUS J. VERMEULEN
No. 69082
Exp. 6/30/14
CIVIL
STATE OF CALIFORNIA

J.M. TURNER ENGINEERING, INC.
CONSULTING ENGINEERS
1325 COLLEGE AVE., SANTA ROSA, CA. 95404
(707) 528-4503 FAX (707) 528-4505

DATE	REVISED	JOB NO:	SHEET #
6/1/2000	3/13/2012	13088-1	2 of 2