

# WHELEN<sup>®</sup>

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**DANGER!** Sirens produce extremely loud emergency warning tones! Exposure to these tones without proper and adequate hearing protection, could cause ear damage and/or hearing loss! The Occupational Safety & Health Administration ([www.osha.gov](http://www.osha.gov)) provides information necessary to determine safe exposure times in Occupational Noise Exposure Section 1910.95. Until you have determined the safe exposure times for your specific application, operators and anyone else in the immediate vicinity should be required to wear an approved hearing protection device. FAILURE TO FOLLOW THIS RECOMMENDATION COULD CAUSE HEARING LOSS!

# Roof Top Siren Mount

## Assembly Instructions

This document provides all the necessary information to allow your Whelen<sup>®</sup> product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

**IMPORTANT:** The installation of this product requires careful planning and attention to detail. The installation of this product should NOT be attempted by individuals without experience in the disciplines necessary to this procedure.

**IMPORTANT WARNING:** The edges of this product are extremely sharp and can cause injury if not handled properly. Handling and Installation will require heavy work gloves.

**ACTIVATION OF THIS  
SIREN MAY DAMAGE  
UNPROTECTED EARS!**



**CAUTION**

Loud siren noise can cause hearing damage and/or loss. Refer to OSHA Section 1910.95 prior to putting ANY siren into service!

**For warranty information regarding this product, visit [www.whelen.com/warranty](http://www.whelen.com/warranty)**

## Assembly:

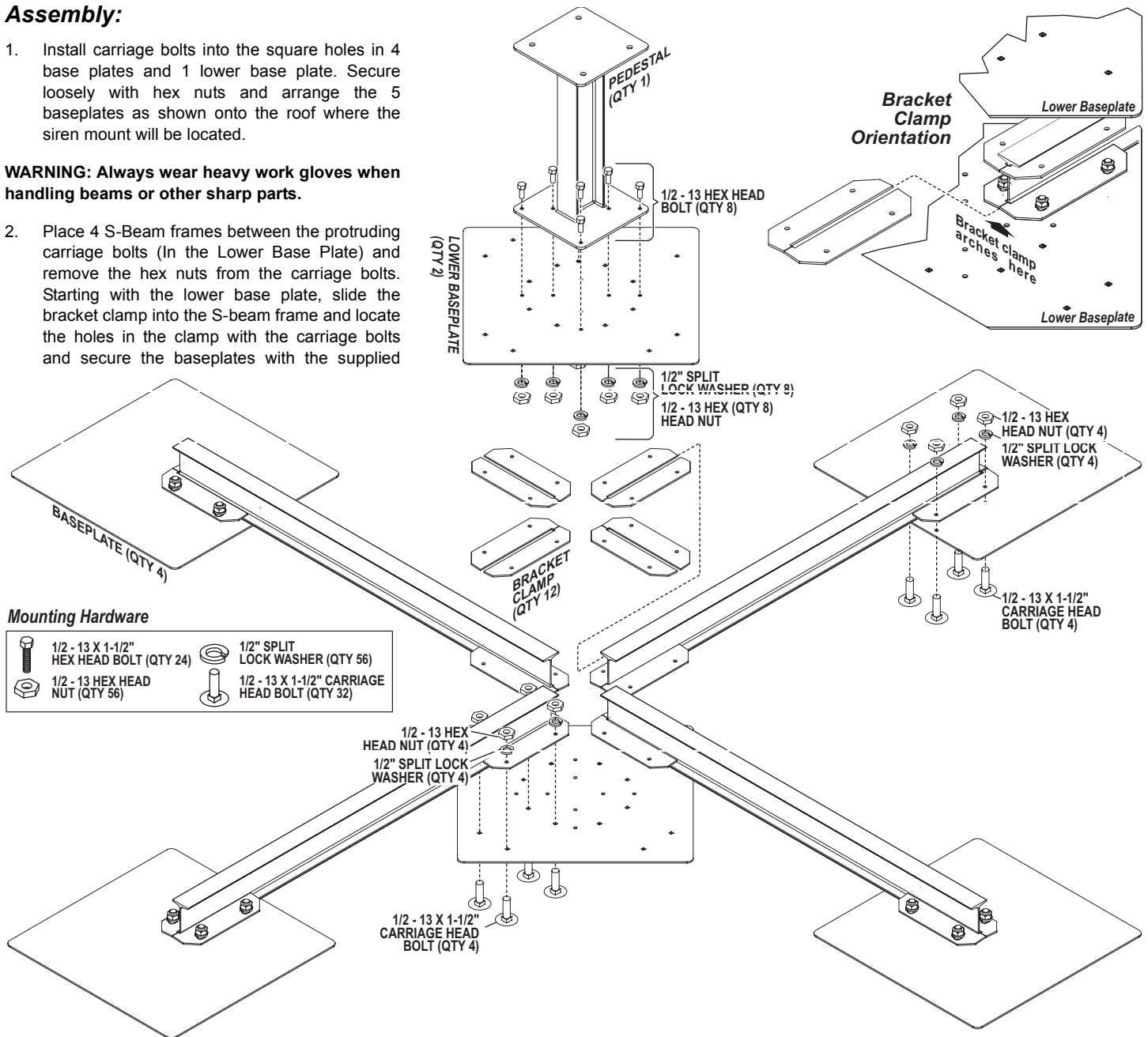
1. Install carriage bolts into the square holes in 4 base plates and 1 lower base plate. Secure loosely with hex nuts and arrange the 5 baseplates as shown onto the roof where the siren mount will be located.

**WARNING: Always wear heavy work gloves when handling beams or other sharp parts.**

2. Place 4 S-Beam frames between the protruding carriage bolts (In the Lower Base Plate) and remove the hex nuts from the carriage bolts. Starting with the lower base plate, slide the bracket clamp into the S-beam frame and locate the holes in the clamp with the carriage bolts and secure the baseplates with the supplied

### Mounting Hardware

	1/2 - 13 X 1-1/2" HEX HEAD BOLT (QTY 24)		1/2" SPLIT LOCK WASHER (QTY 56)
	1/2 - 13 HEX HEAD NUT (QTY 56)		1/2 - 13 X 1-1/2" CARRIAGE HEAD BOLT (QTY 32)

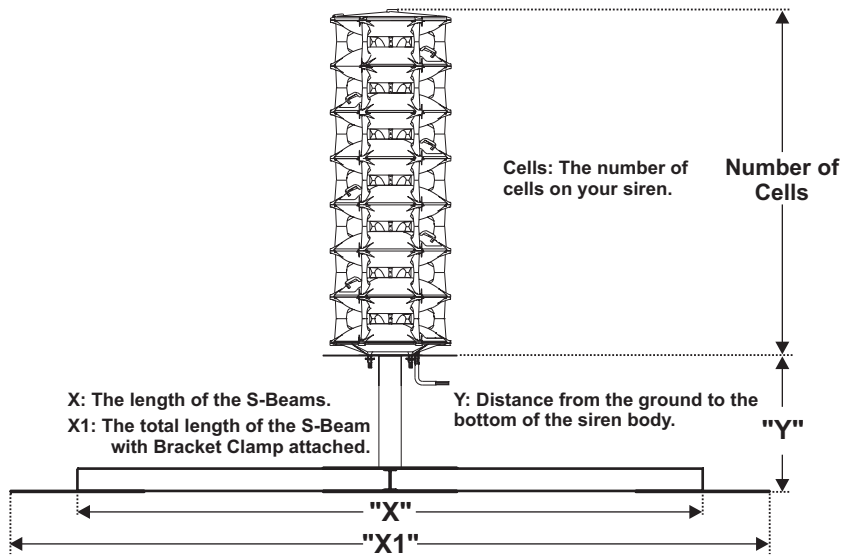


hardware. **NOTE: The bracket clamps have an arch which must face toward the S-Beam frame (See "Bracket Clamp Orientation")**

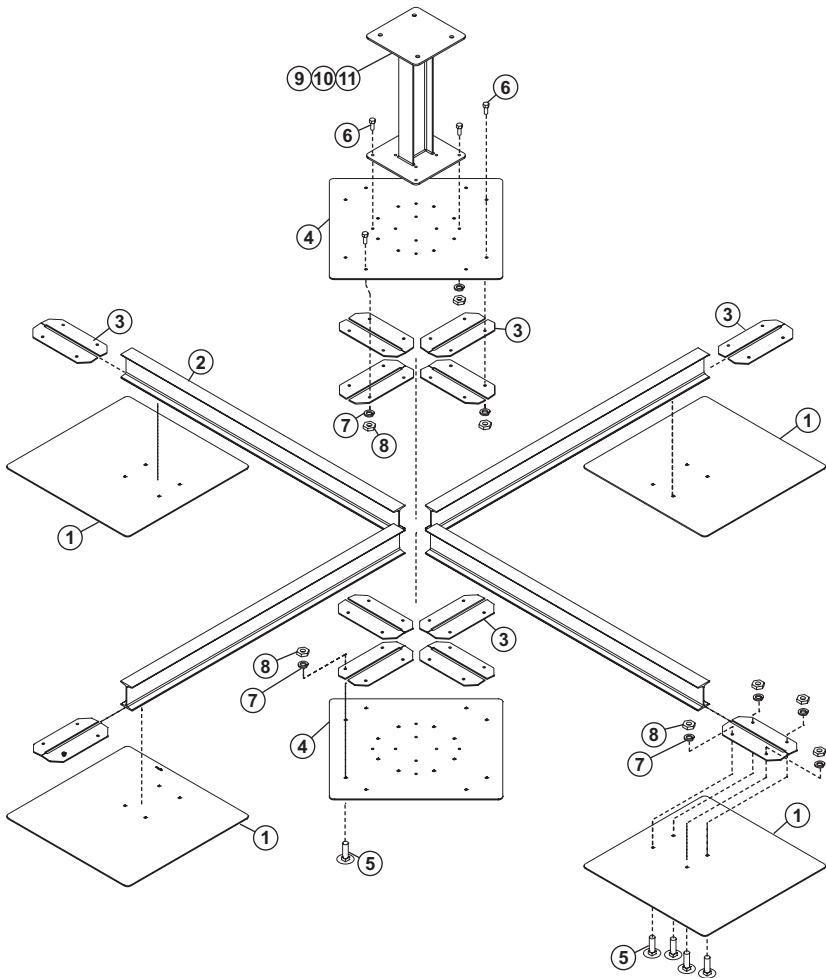
3. Secure the outer base plates to the other ends of the S-Beam frames with 4 more bracket clamps.
4. Slide the four remaining Bracket clamps onto the top part of the four S-Beam frames which are attached to the Base Plate.
5. Secure the other Lower Base plate to the four S-Beam frames with the 4 four Bracket Clamps you slid onto the S-Beam frames in step 4.
6. Secure the Pedestal Assembly to the Lower Base plate using 8 of the supplied 1/2-13 HEX HEAD BOLTS, tighten all bolts and the roof top siren mount is complete.

**IMPORTANT: This siren mount is constructed of COR-TEN® Steel. This material can be painted, however if left untreated it will develop a very thin coating of rust which will act as a protective coating. Once this happens, the material will stop rusting and this coating will protect the metal from further corrosion. If you wish to paint the stand for esthetic purposes, contact your paint dealer for the correct paint and surface preparation.**

**WARNING! Refer to the chart on the next page for proper weight distribution. Always check to see if your roof will handle the weight of the siren and the stand.**



APPLICATION CHART						
CELLS	"X"	"X1"	"Y"	Additional Weight Needed	Total Weight (Lbs.)	DISTRIBUTION (lbs/sq.ft.)
1	7 ft.	10 ft.	25"	0	1060	23.56
			37"	0	1080	24.00
			49"	0	1100	24.44
2	7	10	25"	0	1110	24.67
			37"	0	1130	25.11
			49"	0	1150	25.56
3	7	10	25"	0	1160	25.78
			37"	0	1180	26.22
			49"	100 lbs	1300	28.89
4	7	10	25"	0	1210	26.89
			37"	300 lbs	1530	34.00
			49"	550 lbs	1800	40.00
	10	13	25"	0	1280	28.44
			37"	0	1300	28.89
			49"	0	1320	29.33
5	7	10	25"	400 lbs	1660	36.89
			37"	750 lbs	2030	45.11
			49"	1100 lbs	2400	53.33
	10	13	25"	0	1330	29.56
			37"	100 lbs	1450	32.22
			49"	300 lbs	1670	37.11
	14	17	25"	0	1430	31.78
			37"	0	1450	32.22
			49"	0	1470	32.67
6	10	13	25"	100 lbs	1510	33.56
			37"	400 lbs	1820	40.44
			49"	700 lbs	2140	47.56
	14	17	25"	0	1510	33.56
			37"	0	1520	33.78
			49"	0	1540	34.22
7	10	13	25"	500 lbs	1950	43.33
			37"	800 lbs	2270	50.44
			49"	1100 lbs	2590	57.56
	14	17	25"	0	1550	34.44
			37"	100 lbs	1670	37.11
			49"	300 lbs	1890	42.00



QTY	QTY	QTY	ITEM	PART NUMBER	DESCRIPTION
		*		02-0784909-00	14' X 2' ROOFTOP SIREN MOUNT BASE
	*			02-0784909-01	14' X 3' ROOFTOP SIREN MOUNT BASE
	*			02-0784909-02	14' X 4' ROOFTOP SIREN MOUNT BASE
4	4	4	1	06-184906-001	MTG STRUCTURE ROOF TOP BASEPLATE
4	4	4	2	06-284907-005	S-BEAM S6 X 12.5 80.00" FRAME
12	12	12	3	07-26A513-000	CLAMP ROOF TOP SIREN BASE BRACKET
2	2	2	4	06-184906-002	LOWR MTG STRUCT. ROOF TOP BASEPLATE
32	32	32	5	14-173067-240	1/2-13 X 1-1/2 CARRIAGE HD-GALV. BOLT
24	24	24	6	14-173437-241	1/2-13 X 1-1/2 HEX HEAD HD-GALV. BOLT
56	56	56	7	16-173006-000	1/2" SPLIT LOCK HD-GALV. STL WASHER
56	56	56	8	13-173116-001	1/2-13 HEX HD-GALV. STL NUT
-	-	1	9	06-16A519-001	PEDESTAL ROOF TOP SIREN MOUNT 18.00"
-	1	-	10	06-16A519-002	PEDESTAL ROOF TOP SIREN MOUNT 30.00"
1	-	-	11	06-16A519-003	PEDESTAL ROOF TOP SIREN MOUNT 40.00"