LA16-30 / LA16-35 TOWER INSTRUCTIONS

1



ATTENTION! 2200 Ib WEIGHT LIMIT

REVISED: 13Oct23

PROUDLY MADE IN THE U.S.A.



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LA16-30 / LA16-35 TOWER INSTRUCTIONS

BILL OF GOODS

QTY: (2) 16" LA1630 Towers

(2) V-BASES

(2) HINGE SECTIONS

(4) 10' 16IN TOWER TRUSS (TOWERS) (2) 5' 16IN TOWER TRUSS (TOWERS)

(2) HEAD BLOCKS

(4) 10' 16IN BOX TRUSS (LEGS)

(4) 8' 16IN BOX TRUSS (LEGS)

(4) LEG PLATES

(4) LEG BRACKETS

(4) TOWER BRACKETS

(4) MOTOR SUPPORTS

(2) LIFTING LADDERS

(4) TOWER BRACES

(96) 5/8-11 BOLT SETS

> WITH (192)WASHERS AND (96) NUTS (24) 3/4 X 4" CLEVIS PINS WITH R-CLIPS

(4) LEVELING JACK TUBES

(20) LEVELING JACKS

(2) SETS OF BUILD INSTRUCTIONS

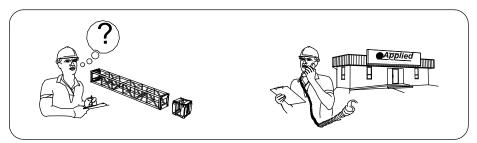
Shipped on 2 pallets

REQUIREMENTS FOR SAFE USE

- 1) Build Tower on flat surface.
- 2) Thick wood or metal plates under leveling jacks.
- 3) Don't lift tower with a load.
- 4) SEE ENGINEERING REPORT FOR BALLAST REQUIREMENTS

THIS TOWER SHOULD BE ASSEMBLED/ERECTED AND BALLASTED BY QUALIFIED RIGGERS.

***BALLAST IS NOT PROVIDED ***



ALWAYS...IF YOU HAVE QUESTIONS, PLEASE CALL! (757)591-9371

BILL OF GOODS

QTY: (2) 16" LA1635 Towers

(2) V-BASES

(2) HINGE SECTIONS

(6) 10' 16IN TOWER TRUSS (TOWERS)

(2) HEAD BLOCKS

(4) 10' 16IN BOX TRUSS (LEGS)

(4) 8' 16IN BOX TRUSS (LEGS)

(4) LEG PLATES

(4) LEG BRACKETS

(4) TOWER BRACKETS

(4) MOTOR SUPPORTS

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(4) TOWER BRACES

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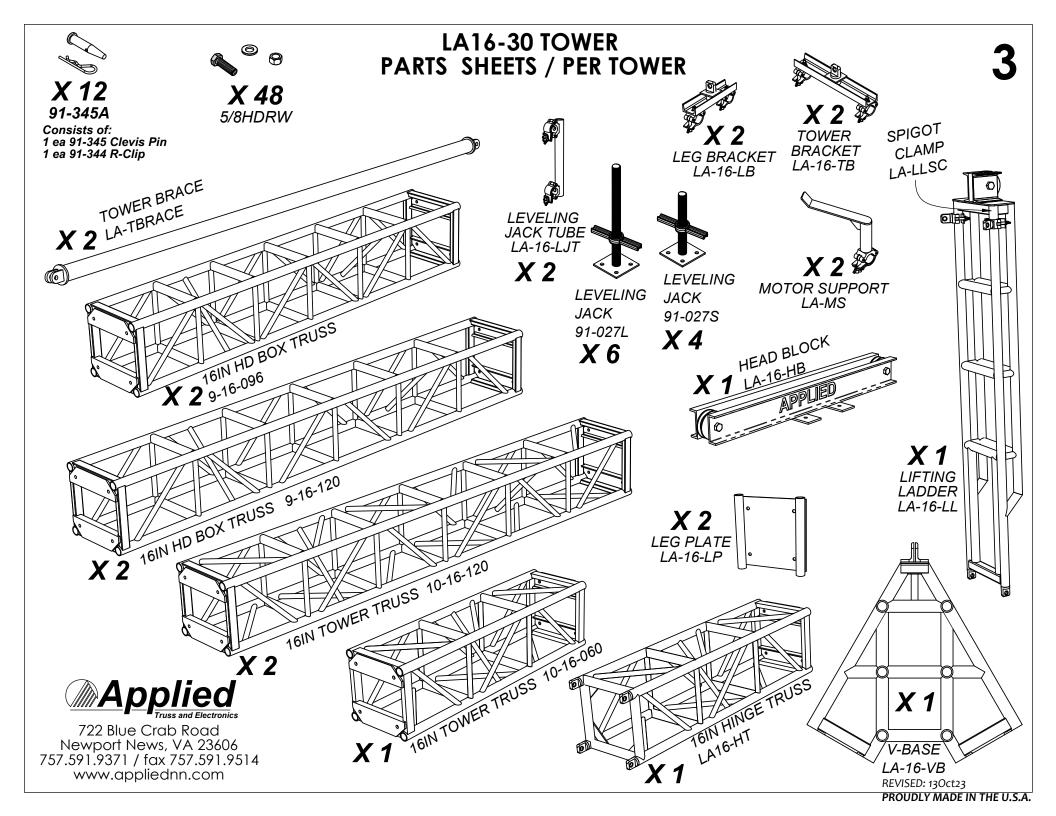
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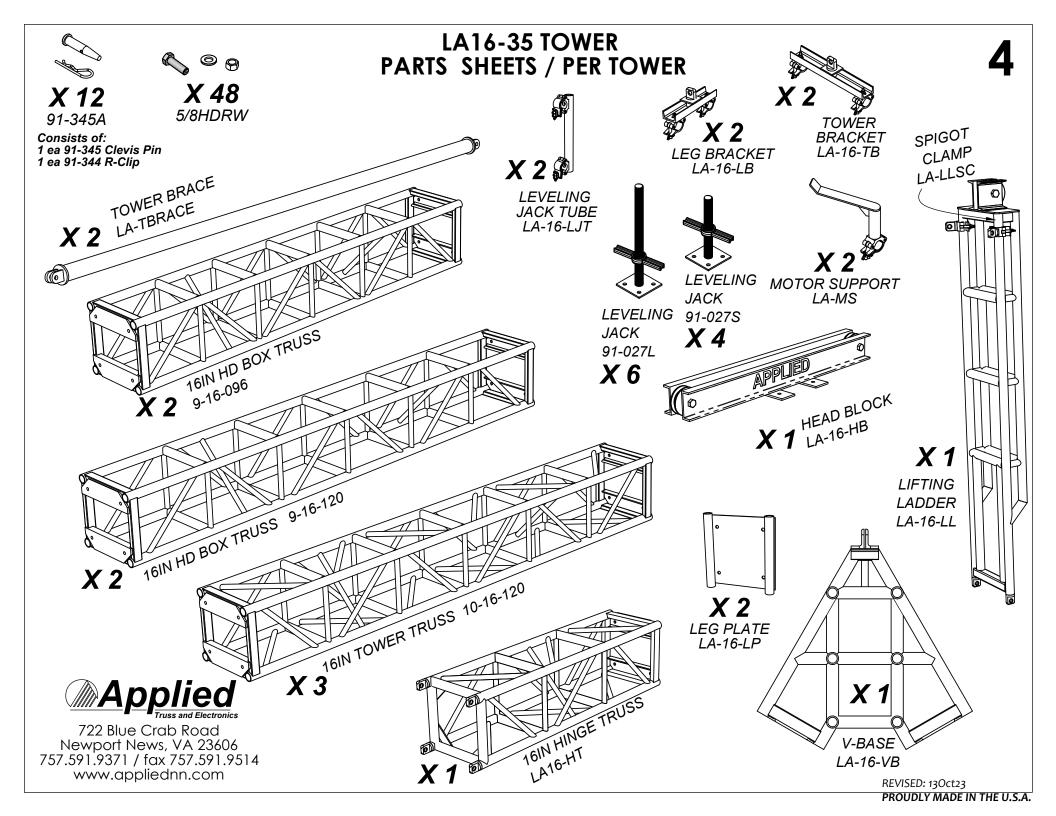
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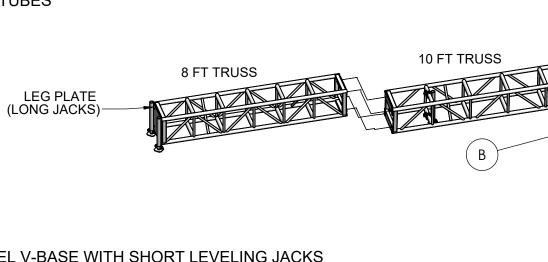
STEP#1 BASE ASSEMBLY

PARTS - (PER TOWER)

- (1) V-BASE
- (10) LEVELING JACKS
 - (6) LONG
 - > (4) SHORT
- (2) LEG PLATES
- LEG TRUSS SECTIONS (16IN HD BOX 10FT LENGTH)

(2) LEG TRUSS SECTIONS (16IN HD BOX 8FT LENGTH)

(2) LEVELING TUBES



A) SET & LEVEL V-BASE WITH SHORT LEVELING JACKS

B) BOLT (2) 10FT LENGTHS OF 16IN BOX TRUSS TO THE V-BASE SECTION AND 2 LENGTHS OF 8FT TRUSS TO THE 10FT TRUSS

- C) BOLT LEG PLATES TO ENDS OF 16IN BOX TRUSSES
- D) LEVEL LEGS



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4 SHORT

LEVELING JACK TUBE

PLEASE NOTÉ PLACEMENT!

(LONG JACKS)

(SEE PAGE 6)

8 FT TRUSS

LEG PLATE (LONG JACKS)

10 FT TRUSS

LEVELING JACKS

STEP#2 TOWER ASSEMBLY

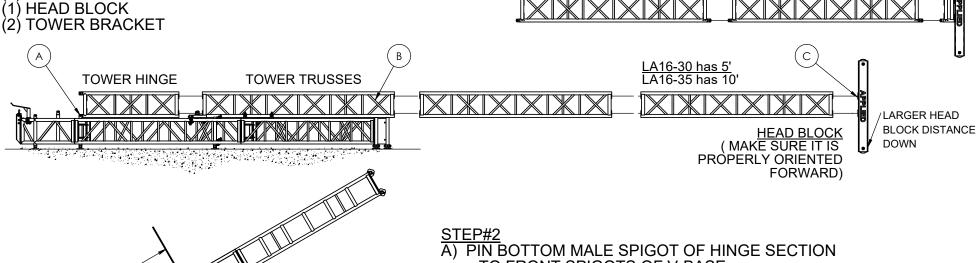
LA16-30 / LA16-35 TOWER **INSTRUCTIONS**

PARTS - (PER TOWER)

- TOWER HINGE
- (3) TOWER TRUSS
- (1) HEAD BLOCK

Lea Bracket

location approx. 81.50in. (Just past the 4th horz, on truss



- TO FRONT SPIGOTS OF V-BASE.
- B) BOLT/PIN ALL THE TOWER TRUSS SECTIONS.
- C) BOLT / PIN THE HEAD BLOCK IN PLACE, LONG SIDE DOWN.
- D) POSITION LEG BRACKETS AS SHOWN.

SPIGOTED TOWER TRUSSES

E) POSITION TOWER BRACKETS AS SHOWN.

CAUTION:

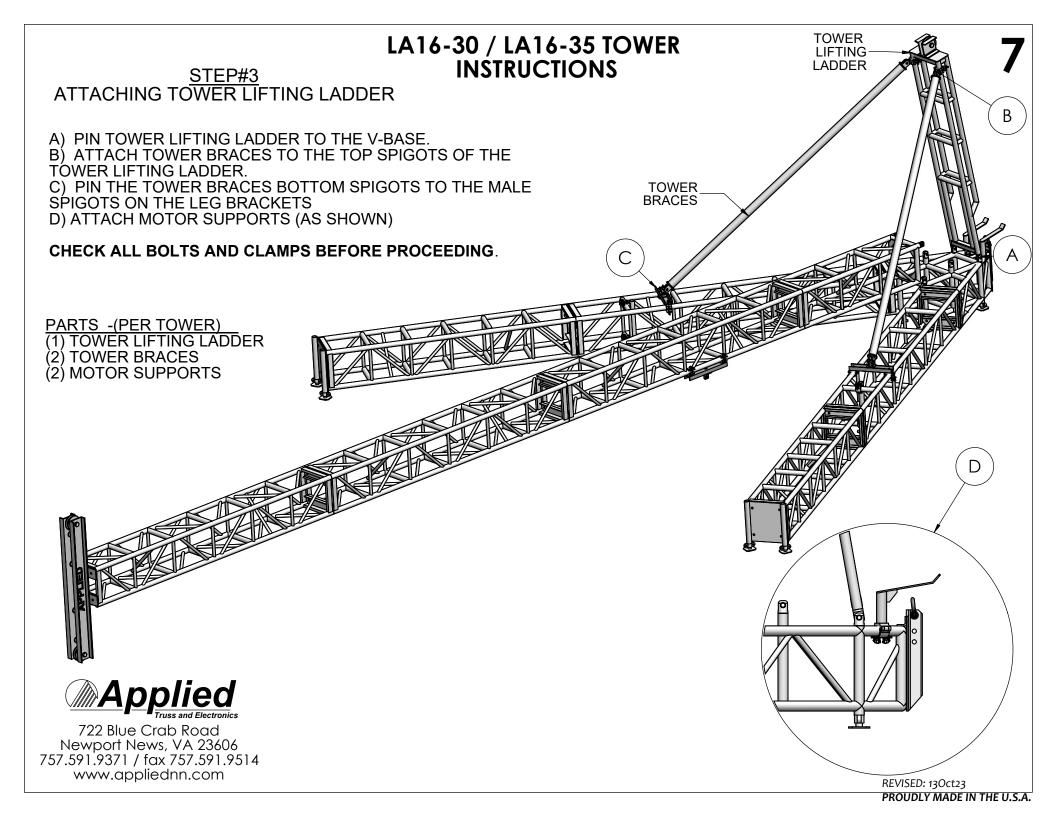
PLACEMENT OF BRACE BRACKETS IS CRITICAL FOR THE TOWER TO SUPPORT THE LOAD. DO NOT VARY FROM GIVEN DIMENSIONS.

CHECK THAT ALL BOLTS, PINS & CLAMPS ARE SECURE BEFORE PROCEEDING.



Tower Bracket

location approx. 101.50in. = Just past the 2nd horz, on truss

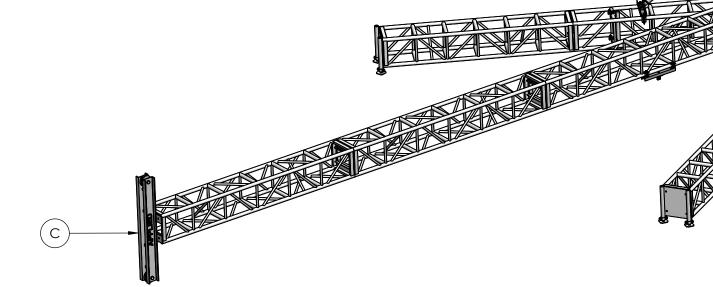


LA16-30 / LA16-35 TOWER INSTRUCTIONS

STEP #4 RIGGING TO RAISE TOWER

- A) RIG MOTOR TO V-BASE.
- B) FEED CHAIN OVER THE WHEEL AT THE TOP OF THE TOWER LIFTING LADDER.
- C) LAY CHAIN ALONG THE TOWER AND RUN CHAIN OVER BOTH WHEELS OF THE HEAD BLOCK. (MAKING SURE TO ELIMINATE ANY CHAIN TWIST)
- D) ATTACH CHAIN HOOK TO LOWER TOWER SECTION WITH A ROUND SLING AND SHACKLE.

CHECK ALL BOLTS AND CLAMPS BEFORE PROCEEDING.



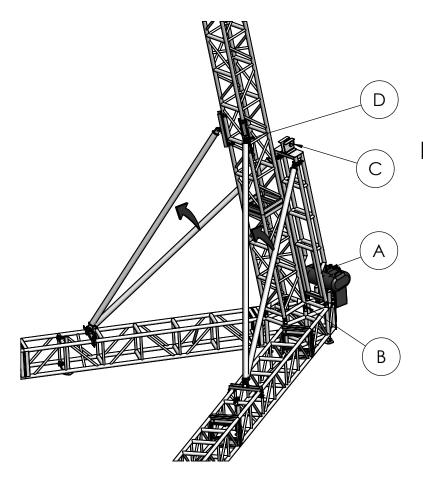


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CAUTION:

TAKE CARE TO ELIMINATE ANY CHAIN TWISTS & MAKE SURE CHAIN IS ALIGNED IN HEAD BLOCK WHEELS, BEFORE RAISING TOWER.

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STEP#5 RAISING & BRACING TOWER

DOUBLE CHECK ALL CONNECTORS AND CLAMPS BEFORE PROCEEDING!

A) ENGAGE MOTOR TO RAISE TOWER.

CAUTION:

TAKE NOTICE OF TOWER KICK BACK

- B) PIN REMAINING SPIGOTS AT TOWER BASE.
- C) UNPIN TOP OF TOWER BRACES FROM THE LIFTING LADDER.
- D) PIN TOWER BRACES TO TOWER BRACKETS.

TOWER LIFTING LADDER CAN REMAIN ATTACHED TO TOWER.



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STEP#6 FLYING LINE ARRAY SPEAKERS

A) APPLY BALLAST PER ENGINEERING DATA.

B) DISCONNECT CHAIN HOOK FROM TOWER.

C) CHECK THAT CHAIN ROLLS SMOOTHLY OVER HEAD BLOCK.

D) CONNECT CHAIN HOOK TO LINE ARRAY SPEAKER FRAME.

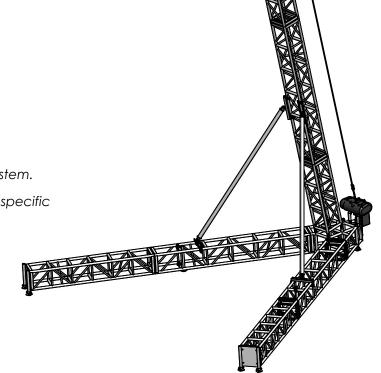
CAUTION:

BEFORE FLYING LOAD - BALLAST TOWER BASE ACCORDING TO ENGINEERING DOCUMENT. APPENDIX A

BALLASTS ARE NOT PROVIDED

Notes: Follow all instructions from your line array manufacturer for proper rigging and flying instructions for your specific speaker system.

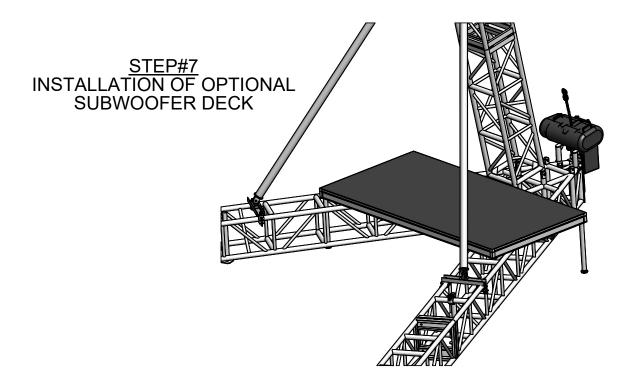
Speakers pictured are for illustration only and do not represent any specific model or brand.





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IF DECK LEGS ARE USED, ENSURE DECK FRAME RESTS ON THE TRUSS CHORDS



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16" LINE ARRAY TOWER - ENGINEERING GUIDELINES

- 1. MAXIMUM ALLOWABLE HANGING LOAD FOR TOWER USING STANDARD 16" TRUSS SHALL NOT EXCEED 2,200 POUNDS IN ALL CASES, INDOORS OR OUTDOORS.
- 2. IF THE ARRAY TOWER IS USED OUTDOORS THEN SPEAKER ARRAY AND TOWER ARE REQUIRED TO BE LOWERED WHEN WIND SPEEDS ARE EXPECTED TO EXCEED 45 MPH.
- 3. THE ARRAY TOWER IS REQUIRED TO BE BALLASTED IN ONE OF TWO WAYS:
 - a. 300 POUNDS AT THE END OF EACH OUTRIGGER LEG BALLAST WILL BE PLACED ON TOP OF THE END OF THE LEG TRUSS AND SECURED TO THE STRUCTURE.
 - b. 500 POUNDS AT BASE OF TOWER