NOTE: LEAVE ALL NUTS AND BOLTS FINGER TIGHT UNTIL NOTED OTHERWISE.

1. Match all of the braces together by length ( $741 / 2^{\prime \prime}$ ).
2. Now place 2 matching braces flat together, line up the holes in the middle, and put (1) $1 / 2^{\prime \prime} \times 11 / 4$ " hex bolt through the holes. A lock washer and nut will secure the bolt onto the brace. You will end up with 3 sets $471 / 2^{\prime \prime}$ braces.
3. Place a 2"x 4 " mud sill on the bottom of each frame with the overhang at the rear of the bleacher as shown in figure 1 .
nut. The bolt should come up from the bottom of the sill. THESE CAN BE TIGHTENED NOW!
4. Stand 2 of the frames approximately $6^{\prime}$ apart and place a set of the $741 / 2^{\prime \prime}$ braces on one end between the frames at the 2nd upright on the frame as shown in figure 1. Place on left side of the frame castor wheels use $1 / 2^{\prime \prime}$ flat washers, lock washers and nuts..Place (2EA) $1 / 2$ " $\times 13 / 4$ " hex bolts, lock washers \& nuts through the small brace and frame holes
where they meet on the right side of the rame.
5.As shown in the spaces of the bleacher place a tube brace on the 1 st row uprights. Attach them with two $1 / 2$ " x $1-1 / 4$ " hex bolts, lock washers, and nuts on each end of the braces.Place $1 / 2^{\prime \prime} \times 1-1 / 2^{\prime \prime}$ hex bolts through the tube brace and frame holes where they meet.
5. Place another frame on the right side of the set already in place (as you face the back of the bleacher). Place a set of the $741 / 2^{\prime \prime}$ braces on the 2nd row upright. (You will need to remove the 2 nuts \& lock washers from the two braces already
in place where they meet on the frame). Use (2) $1 / 2$ " $\times 13 / 4$ " hex bolts, lock washers, \& nuts to attach the braces to the new middle frame.
6. Set the last frame up to the right of the assembly already in place. Place castor wheel on the right end of the bleacher use $1 / 2^{\prime \prime}$ flat washer, lock washer and nut to secure $741 / 2^{\prime \prime}$ braces to frame.
Place a set of $733 / 4$ " braces on the 2nd row upright. Use (4) $3 / 8^{\prime \prime} \times 11 / 4$ " hex bolt, lock washer and nut

## TIGHTEN ALL BOLTS ON THE ASSEMBLY AT THIS POINT.

9.tighten all rail upright bolts on the assembly at this point.

[^0][^1]| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
| :---: | :---: | :---: | :---: |
| 1 | BLATR2-SA1 | 2 ROW TIP AND ROLL ALUM FINAL ASSEMBLY | 4 |
| 2 | IBLA-SA2 | 1 ST ROW GALV BRACE ASSEMBLY | 2 |
| 3 | IBLA-7450 | X Brace $741 / 2^{\prime \prime}$ Long | 6 |
| 4 | 1BL2-355 | 2 " $\times 4$ " 31.50" SYP TREAT MUD SILL | 4 |
| 5 | RHSSNBOLT 0.375-16x2.25×2.25-N | RHSSNBOLT 0.375-16x2. $25 \times 2.25-\mathrm{N}$ | 8 |
| 6 | Regular FW 0.375 | $3 / 8$ " REGULAR FLAT WASHER | 8 |
| 7 | HNUT 0.3750-16-D-N | HEX NUT 3/8"-16 | 8 |
| 8 | Regular LW 0.5 | REG LOCKWASHER 1/2" | 15 |
| 9 | HBOLT 0.5000-13x1.25x1.25-N | HEX BOLT 1/2"-13x $11 / 4^{\prime \prime}$ | 8 |
| 10 | HNUT 0.5000-13-D-N | HEX NUT $1 / 2$ "-13 | 15 |
| 11 | HBOLT 0.5000-13x1.581.5-N | HEX HEAD BOLT $1 / 2^{\prime \prime}-13 \times 11 / 2^{\prime \prime}$ | 3 |
| 12 | HBOLT 0.5000-13x1.75×1.75-N | HEX BOLT 1/2"-13x $13 / 4^{\prime \prime}$ | 4 |



SCALE 1:8

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DETAIL B
DETAIL B
SCALE $1: 8$
$\square$

## ?

## 10. The INSTALLATION:

 frames by about 17 " on each side.installing end caps

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Without Notice.

| GENERAL NOTES: |
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10. There are two different kinds of planks. Be sure to have these separated out and identified before you begin assembly.
a. Anodized 2 " $x 10$ " seat plank (it has a dull finish that does not leave a mark when rubbed).
. Mill finish 2 " $x$ 10" foot plank and walkway plank (it has a shinier finish that leave
your finger or thumb)
11. Put a hold down clip on each hole of the seat brackets and foot
board supports using $5 / 16 " x 1-1 / 4$ carriage bolt flange nuts. board supports using $5 / 16$ "" $1-1 / 1 / 4$ carriage bolt, flange nuts bleacher (or perpendicular to the frames). See Figure 5 for deatails on installing the long hold down clips. Place the mill
finish foot planks over the clips starting on the foot angles. ends at this point. The planks should overhang the 2 row seating
12. See Figures 4,5 and 6 about attaching plank with clips and
installing end caps.
Once all the planks are in place you can tighten all the planks
now.
5/16"-18
Flanged Nut

(2)


| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
| :---: | :---: | :---: | :---: |
| 1 | BLATR2-SA1 | 2 ROW TIP AND ROLL ALUM FINAL ASSEMBLY | 4 |
| 2 | 21 BL -7 | $2 " \times 10$ FOOT PLANK 252" MILL | 1 |
| 3 | 211A-7 | SEAT PLANK ANODIZED (21') | 2 |
| 4 | IBLA-SA2 | 1 ST ROW GALV BRACE ASSEMBLY | 2 |
| 5 | IBLA-7450 | X Brace 74 1/2" Long | 6 |
| 6 | IBL2-355 | 2" $\times 4$ " 31.50 " SYP TREAT MUD SILL | 4 |
| 7 | 1A-12 | Aluminum 2" $\times 10$ " Plank Clip | 24 |
| 8 | RHSSNBOLT 0.375-16x2.25x2.25-N | RHSSNBOLT 0.375-16x2.25×2.25-N | 8 |
| 9 | Regular FW 0.375 | 3/8" REGULAR FLAT WASHER | 8 |
| 10 | HNUT 0.3750-16-D-N | HEX NUT 3/8'-16 | 8 |
| 11 | Regular LW 0.5 | REG LOCKWASHER 1/2" | 15 |
| 12 | HBOLT 0.5000-13x1.25×1.25-N | HEX BOLT 1/2"-13x $11 / 4^{\prime \prime}$ | 8 |
| 13 | HNUT 0.5000-13-D-N | HEX NUT 1/2"-13 | 15 |
| 14 | HBOLT 0.5000-13×1.5×1.5-N | HEX HEAD BOLT 1/2"-13x 1 1/2" | 3 |
| 15 | HBOLT 0.5000-13x1.75x1.75-N | HEX BOLT 1/2"-13x 1 / $/ 4^{\prime \prime}$ | 4 |

(3)

| HBOLT 0.5000-13×1.75 $1.75-\mathrm{N}$ |  |  |  |
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| SIZE | PART NO. | REV |
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HEET 2 OF 2
BLA2A2 1


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