



## Derby Fence Installation instructions

Thank you for purchasing your **Derby Fence**. Before starting your installation make sure to check local codes and permit requirements. Also contact your local utility companies to check for under-ground utilities, such as electrical, plumbing or cable.

**Derby Fence** is made for quick and easy installation with very few tools required:

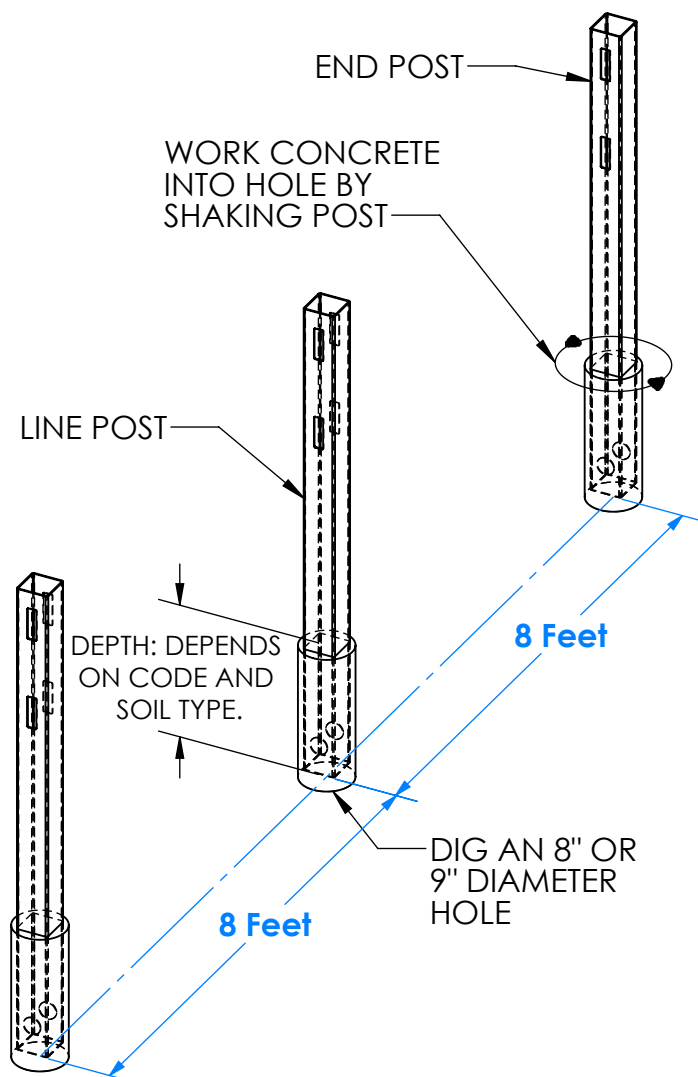
- |                     |                           |
|---------------------|---------------------------|
| 1. 4 ft. level      | 6. Shovel                 |
| 2. Post level       | 7. Post digger            |
| 3. Mallet or hammer | 8. Marking paint or chalk |
| 4. Tape measure     | 9. Saw                    |
| 5. Pliers           | 10. Bent long nose pliers |

### Installing your Derby Fence

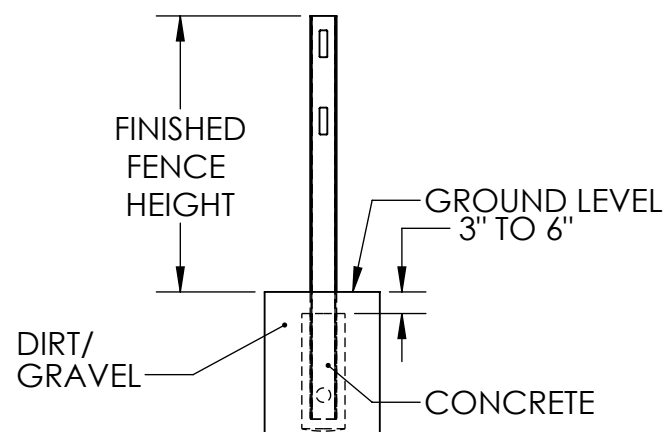
1. Start by laying out your fence line with stakes and string keeping the string as low to the ground as possible without distorting the straight line. (Avoid tall grass and weeds)
2. **Mark your post locations, making sure that ALL posts are 8' centers. This is critical for proper fence assembly.** Hole diameter should be 8" or 9" in diameter and depth depends on code, soil type, and finished fence height. Posts need to be PLUMB and SQUARE to one another for proper installation.
3. Dig post holes – Remove string line without moving stakes. Using auger or post hole digger, dig down to proper depth while staying as plumb as possible. Repeat for every post location. Re-run line on original stakes 8" to 12" from highest point of ground.
4. Set all posts as you would a typical wooden fence, placing dirt, gravel, or concrete (preferably) around the outside of the post. Make sure all posts are PLUMB to insure proper installation. Make sure proper post is in hole, (end, corner, in-line, etc.)
5. **Derby Fence** recommends that all posts be set in concrete. Concrete should come up to 3" to 6" below ground level. Work concrete into hole by shaking post. Plumb and square posts then fill rest of hole with dirt. Let posts sit for at least 24 hours before installing rails.
6. Clean concrete off posts with water
7. Run rails in a staggered pattern, using 16' top and bottom rails, and 8' middle rails as shown in the drawings. Leave a 1" minimum breathing space between rail ends for expansion. Do not butt rails together. Use button clips to secure rails to posts.
8. Install caps using cap clips as shown on the drawings. Screwing caps using self tapping screws is an alternate solution to make sure your caps stay on the posts during acts of nature.

**\*\* Note:** Do not attempt to install or hang a gate with a Derby Fence post, they are not designed to take the load of gates.

## DERBY FENCE INSTALLATION INSTRUCTIONS



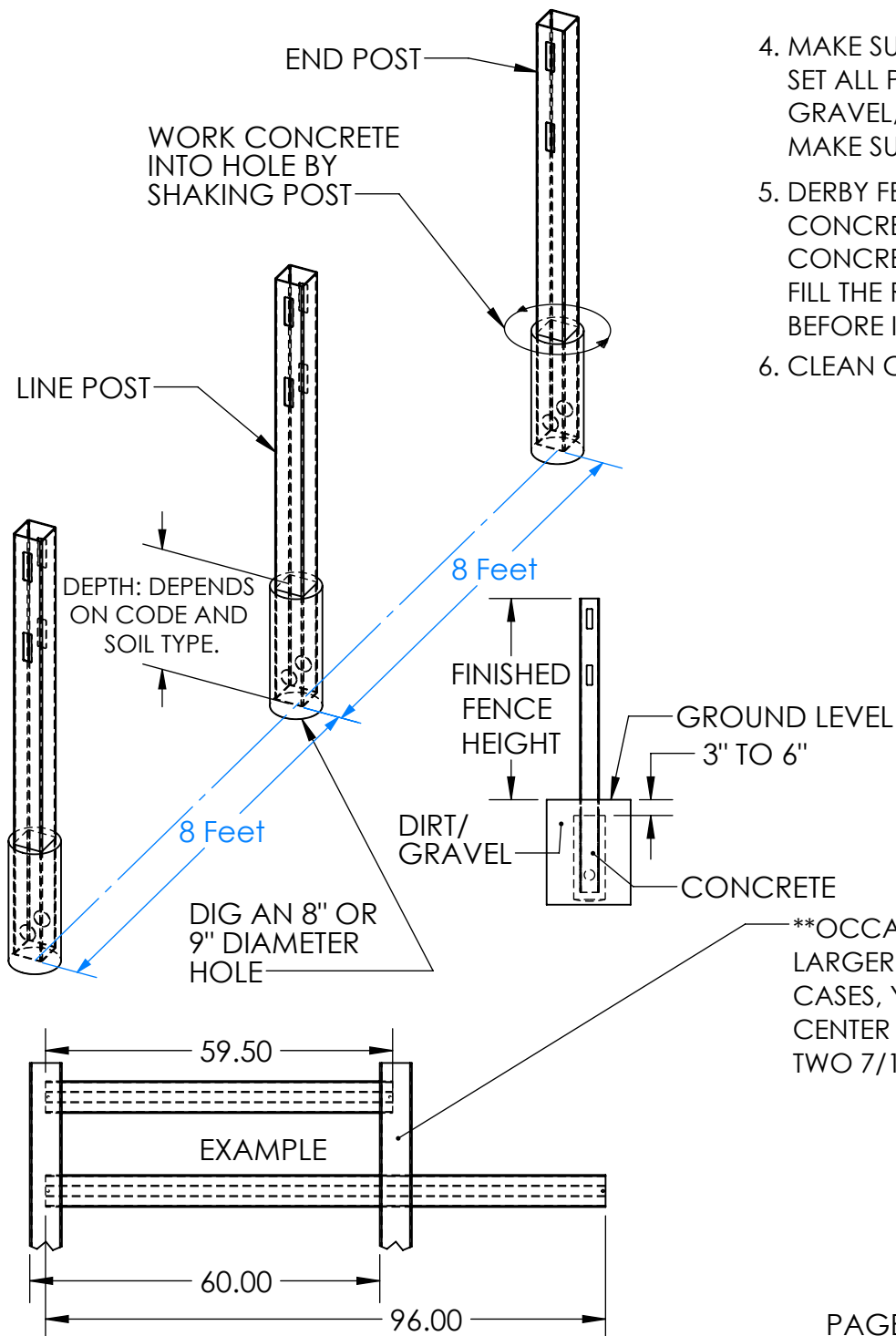
1. START BY LAYING OUT YOUR FENCE LINE WITH STAKES AND STRING KEEPING THE STRING AS LOW TO THE GROUND AS POSSIBLE WITHOUT DISTORTING THE STRAIGHT LINE. (AVOID TALL GRASS AND WEEDS)
2. **MARK YOUR POST LOCATIONS MAKING SURE THAT ALL POST ARE 8 FT CENTERS. THIS IS CRITICAL FOR PROPER FENCE ASSEMBLY.** HOLE DIAMETER SHOULD BE 8" OR 9" IN DIAMETER AND DEPTH DEPENDS ON CODE, SOIL TYPE AND FINISHED FENCE HEIGHT. POST NEED TO BE PLUMB AND SQUARE TO ONE ANOTHER FOR PROPER INSTALLATION.
3. DIG POST HOLES-REMOVE STRING LINE WITHOUT MOVING STAKES. USING AUGER OR POST DIGGER, DIG DOWN TO THE PROPER DEPTH WHILE STAYING AS PLUMB AS POSSIBLE. REPEAT FOR EVERY POST LOCATION. RE-RUN LINE ON ORIGINAL STAKES 8" TO 12" FROM HIGHEST POINT.



**DERBY**  
FENCE CO.

1019 NOEL AVE  
WHEELING, IL. 60090  
PH# (847) 680-1550  
FAX# (847) 680-1595

TITLE: DERBY FENCE INSTALLATION INSTRUCTIONS




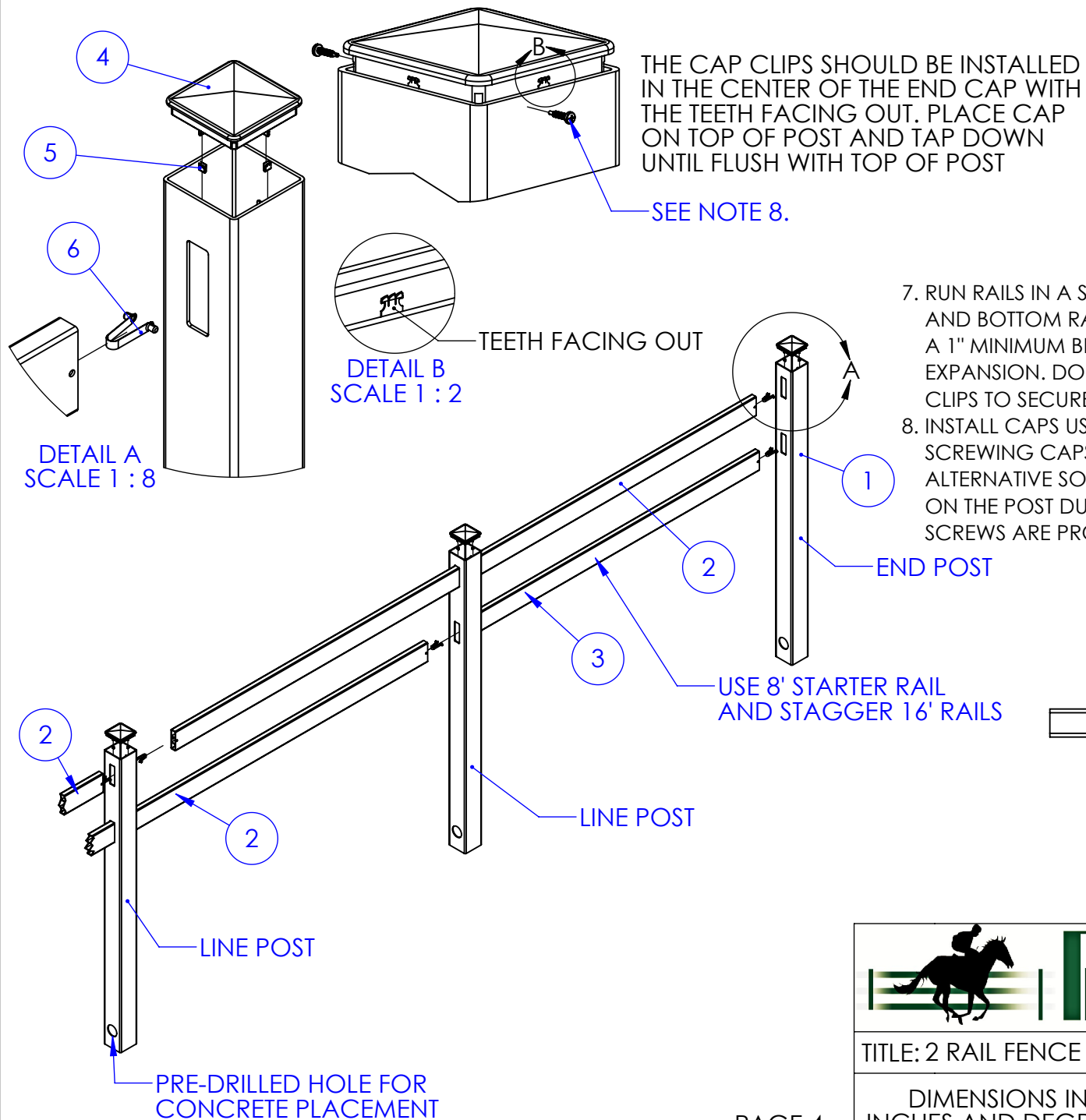
4. MAKE SURE PROPER POST IS IN HOLE, (END, CORNER, IN-LINE (ETC)). SET ALL POST AS YOU WOULD A TYPICAL WOODEN FENCE, PLACING DIRT, GRAVEL, OR CONCRETE (PREFERABLY) AROUND THE OUTSIDE OF THE POST, MAKE SURE ALL POST A PLUMB TO ENSURE PROPER INSTALLATION.
5. DERBY FENCE RECOMMENDS THAT ALL POST BE SET IN CONCRETE. CONCRETE SHOULD COME UP TO 3" TO 6" BELOW GROUND LEVEL. WORK CONCRETE INTO HOLE BY SHAKING POST. PLUMB AND SQUARE POST THEN FILL THE REST OF THE HOLE WITH DIRT. LET POST SIT FOR AT LEAST 24 HOURS BEFORE INSTALLING RAILS.
6. CLEAN CONCRETE OFF POST IF NEEDED.

**WITH THE DARKER COLORS, DURING THE HEAT OF THE DAY YOU CAN EXPECT TO SEE AN 8' RAIL BOW OUT AROUND 1" TO 2", HOWEVER, IT WILL RETURN AGAIN ONCE THE SUN HAS SHIFTED AWAY FROM DIRECT EXPOSURE. THIS IS A NATURAL MOVEMENT INHERENT IN THE PLASTIC MATERIAL AND WILL NOT AFFECT THE PERFORMANCE OF A PROPERLY INSTALLED FENCE. A 16' RAIL WILL NOT BE AS SEVERE DUE TO BEING CONTAINED IN THE CENTER POST.**

**WE RECOMMEND, FOR THE 8' RAIL SECTIONS, THAT YOU INSERT A 3/4" THICK WALL CONDUIT OR RIP WITH THE GRAIN A 3/4" PLANK TO 1" WIDE STRIPS AND OR A 1" GALVANIZED ELECTRICAL CONDUIT TO ACCOMPLISH THE SAME TASK IF THAT DEFLECTION IS A VISUAL CONCERN**

**\*\*OCCASIONALLY, YOU MIGHT HAVE POST CENTERED EITHER SMALLER OR LARGER THAN THE STANDARD LENGTHS DUE TO PROPERTY LAYOUT. IN SUCH CASES, YOU WOULD NEED TO CUT THE RAIL LENGTH 1/2" SHORTER THAN THE CENTER TO CENTER DISTANCE TO COMPENSATE FOR EXPANSION AND DRILL TWO 7/16" HOLES THRU THE RAIL TO INSERT THE SPRING BUTTON CLIPS.**

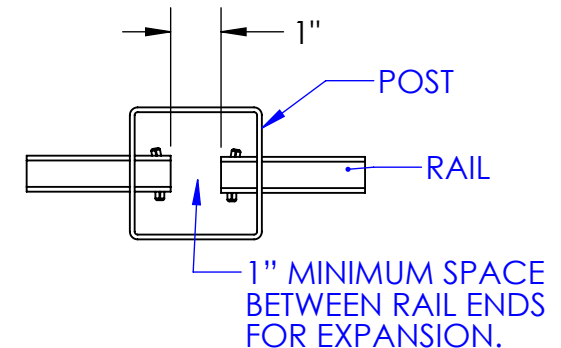
		<b>DERBY</b> FENCE CO.		1019 NOEL AVE WHEELING, IL. 60090 PH# (847) 680-1550 FAX# (847) 680-1595	
TITLE: DERBY FENCE INSTALLATION INSTRUCTIONS					
DIMENSIONS IN INCHES AND DEGREES			DRAWN BY: RC		
			SCALE: 1:30	DATE: 7/31/24	




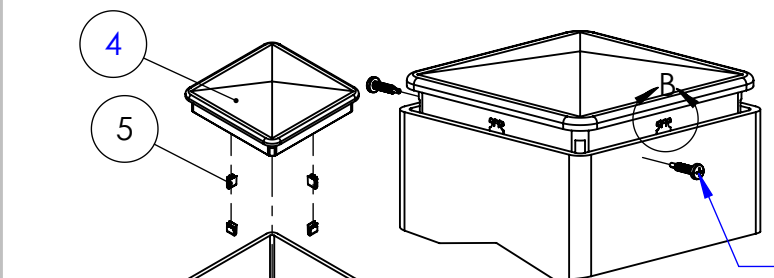
ITEM NO.	DESCRIPTION
1	FENCE POST
2	16 FT RAIL
3	8 FT RAIL
4	POST CAP
5	CAP CLIPS
6	SPRING BUTTON CLIPS

\*RAIL LENGTH'S VARY DEPENDING ON THE ORDER

7. RUN RAILS IN A STAGGERED PATTERN, USING 16' TOP AND BOTTOM RAILS AS SHOWN IN THE DRAWING. LEAVE A 1" MINIMUM BREATHING SPACE BETWEEN RAIL ENDS FOR EXPANSION. DO NOT BUTT RAILS TOGETHER. USE BUTTON CLIPS TO SECURE RAILS TO POST.
8. INSTALL CAPS USING CLIPS AS SHOWN ON THE DRAWING. SCREWING CAPS USING SELF TAPPING SCREWS IS AN ALTERNATIVE SOLUTION TO MAKE SURE YOUR CAPS STAY ON THE POST DURING ACTS OF NATURE. (2 STAINLESS STEEL SCREWS ARE PROVIDED WITH YOUR ORDER FOR EACH CAP)

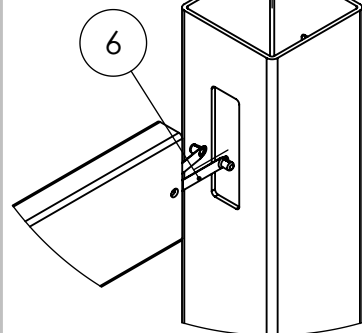


		1019 NOEL AVE WHEELING, IL. 60090 PH# (847) 680-1550 FAX# (847) 680-1595	
TITLE: 2 RAIL FENCE ASSEMBLY			
DIMENSIONS IN INCHES AND DEGREES		DRAWN BY: RC	
		SCALE: 1:35	DATE: 7/31/24

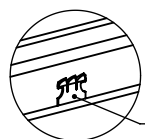


THE CAP CLIPS SHOULD BE INSTALLED IN THE CENTER OF THE END CAP WITH THE TEETH FACING OUT. PLACE CAP ON TOP OF POST AND TAP DOWN UNTIL FLUSH WITH TOP OF POST

SEE NOTE 8.

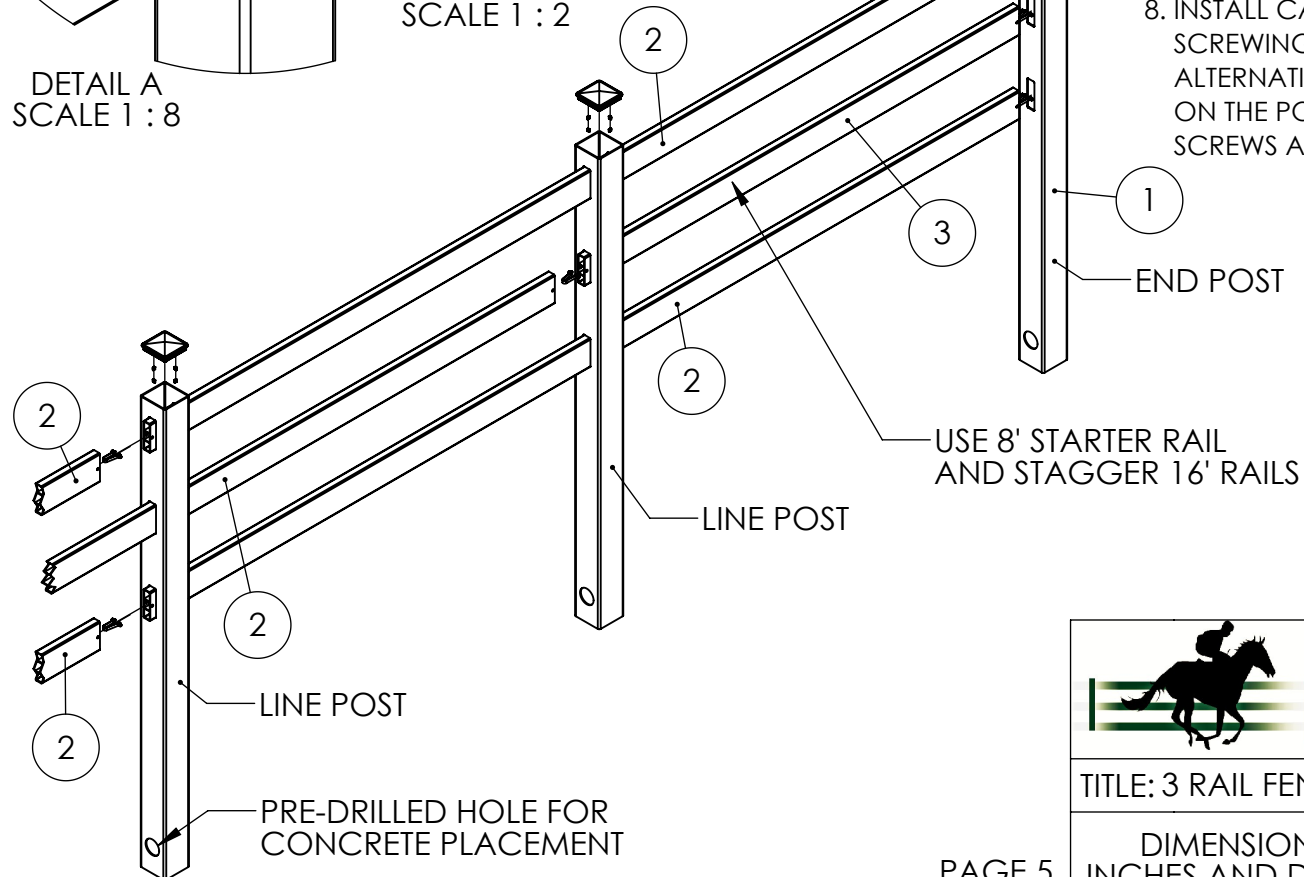


DETAIL A  
SCALE 1 : 8



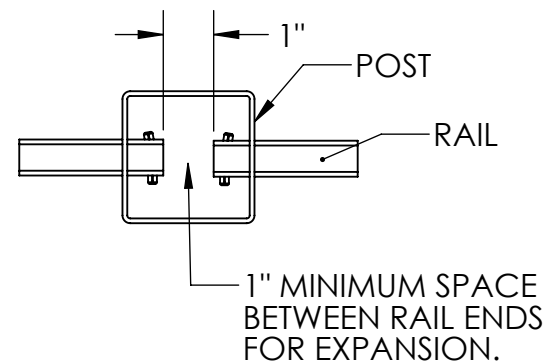
TEETH FACING OUT!

DETAIL B  
SCALE 1 : 2




7. RUN RAILS IN A STAGGERED PATTERN, USING 16' TOP AND BOTTOM RAILS AS SHOWN IN THE DRAWING. LEAVE A 1" MINIMUM BREATHING SPACE BETWEEN RAIL ENDS FOR EXPANSION. DO NOT BUTT RAILS TOGETHER. USE BUTTON CLIPS TO SECURE RAILS TO POST.

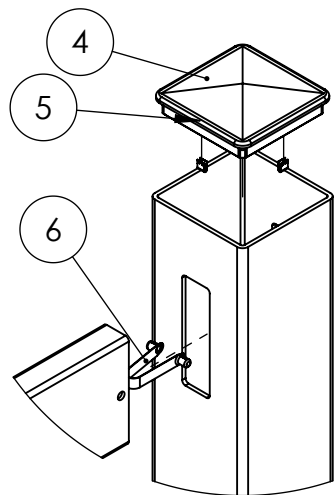
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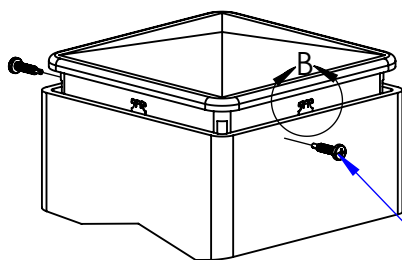
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\*RAIL LENGTH'S VARY DEPENDING ON THE ORDER

		1019 NOEL AVE WHEELING, IL. 60090 PH# (847) 680-1550 FAX# (847) 680-1595	
TITLE: 3 RAIL FENCE ASSEMBLY			
DIMENSIONS IN INCHES AND DEGREES		DRAWN BY: RC	
		SCALE: 1:30	DATE: 7/31/24

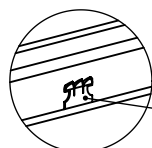


DETAIL A  
SCALE 1 : 8



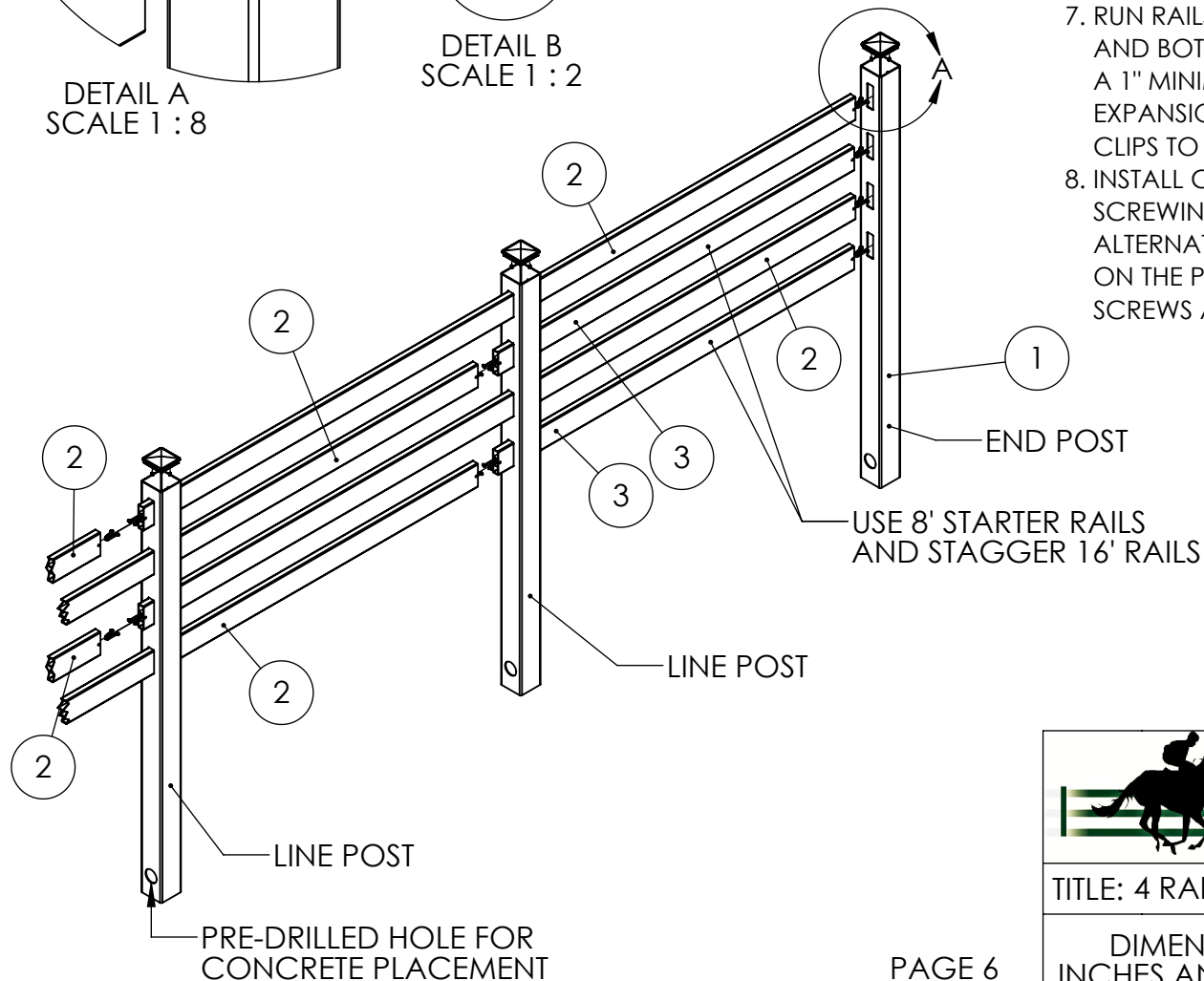
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SEE NOTE 8.

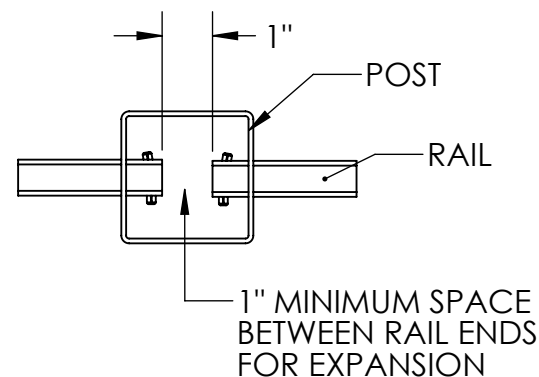


DETAIL B  
SCALE 1 : 2

TEETH FACING OUT!




7. RUN RAILS IN A STAGGERED PATTERN, USING 16' TOP AND BOTTOM RAILS AS SHOWN IN THE DRAWING. LEAVE A 1" MINIMUM BREATHING SPACE BETWEEN RAIL ENDS FOR EXPANSION. DO NOT BUTT RAILS TOGETHER. USE BUTTON CLIPS TO SECURE RAILS TO POST.
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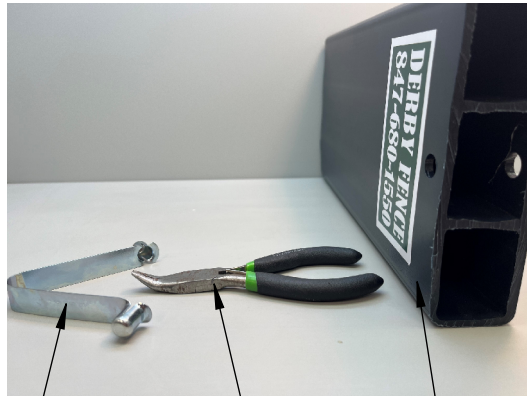
\*RAIL LENGTH'S VARY DEPENDING ON THE ORDER

		1019 NOEL AVE WHEELING, IL. 60090 PH# (847) 680-1550 FAX# (847) 680-1595	
TITLE: 4 RAIL FENCE ASSEMBLY			
DIMENSIONS IN INCHES AND DEGREES		DRAWN BY: RC	
		SCALE: 1:35	DATE: 7/31/24



# ASSEMBLY PICTURES OF RAIL AND CAPS

FIG 1

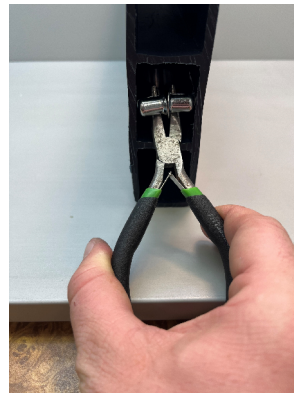


SPRING  
BUTTON  
CLIP

NEEDLE  
NOSE  
PLIERS

RAIL

FIG 2



USE BENT NEEDLE NOSE  
PLIERS TO INSTALL SPRING  
BUTTON CLIPS IN THE END  
OF THE FENCE RAILS.

FIG 3



FIG 4

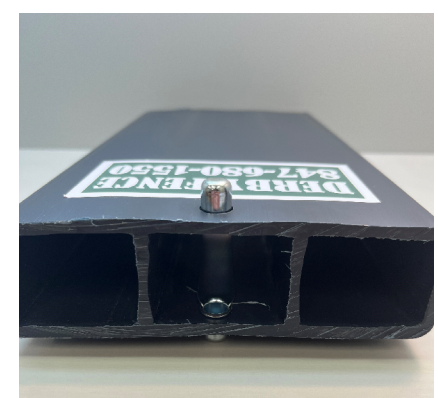
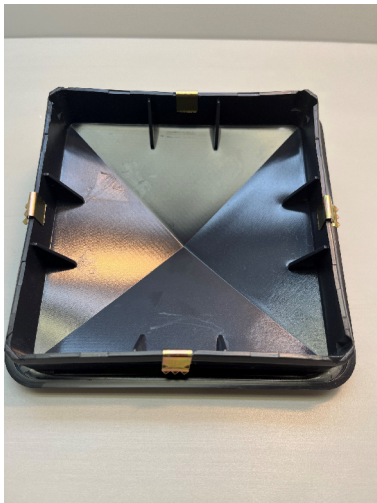


FIG 5

PRESS BUTTONS IN AND  
SLIDE RAIL INTO POST.  
NOTE: INSTALL BUTTON  
CLIPS AFTER RAILS ARE  
SLID THROUGH MIDDLE  
POST.



FIG 6




ATTACH FOUR CAP CLIPS  
IN CENTER OF CAP LEGS  
WITH THREE TOOTH LEG  
FACING TOWARDS YOU  
TO ENGAGE POST.

FIG 7

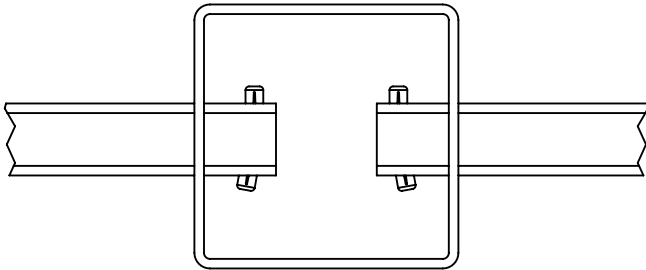


PLACE CAP ON TOP OF  
POST AND TAP CAP DOWN  
UNTIL FLUSH WITH TOP OF  
POST.

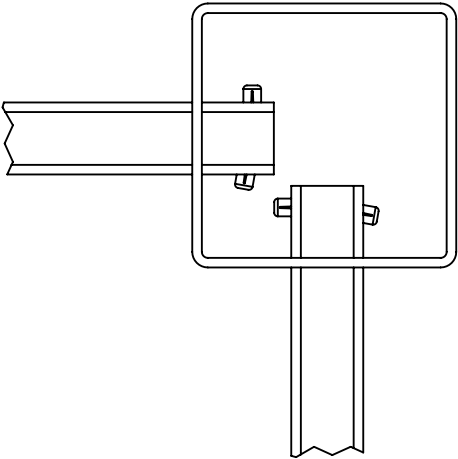
		1019 NOEL AVE WHEELING, IL. 60090 PH# (847) 680-1550 FAX# (847) 680-1595	
TITLE: DERBY FENCE INSTALLATION INSTRUCTIONS			
DIMENSIONS IN INCHES AND DEGREES		DRAWN BY: RC	
		SCALE: N/A	DATE: 7/31/24

POST CONFIGURATIONS

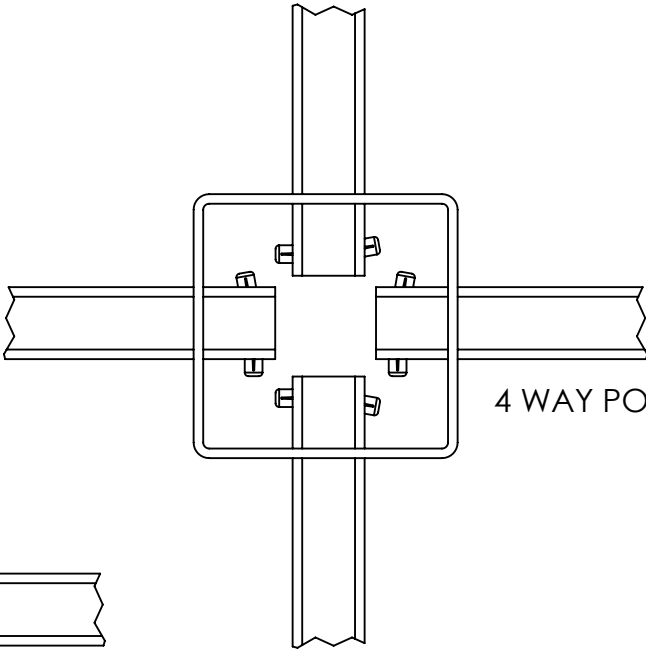
INLINE POST



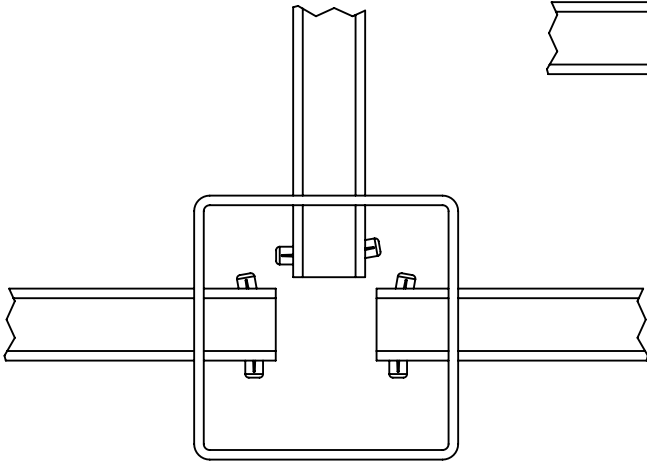
CORNER POST



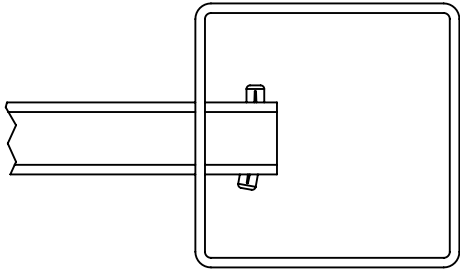
4 WAY POST





3 WAY POST



END POST



				1019 NOEL AVE WHEELING, IL. 60090 PH# (847) 680-1550 FAX# (847) 680-1595	
TITLE: DERBY FENCE INSTALLATION INSTRUCTIONS					
DIMENSIONS IN INCHES AND DEGREES			DRAWN BY: RC		
			SCALE: N/A	DATE: 7/31/24	