

This architectural drawing shows a detailed elevation of a window frame. The drawing includes the following dimensions and labels:

- Overall Width:** 1'-3" (1 foot 3 inches)
- Overall Height:** 5'-0 1/2" (5 feet 0 1/2 inches)
- Window Opening Dimensions:**
 - Width: 15'-0 6" = 7'-6" (15 feet 0 6 inches equals 7 feet 6 inches)
 - Height: 7'-6" (7 feet 6 inches)
- Frame Components and Labels:**
 - A:** Points to the inner frame or sash.
 - B:** Points to the outer frame or sash.
 - R3:** Points to the central vertical mullion.
 - R4:** Points to the side vertical mullions.
 - P:** Points to the bottom horizontal mullion.
 - S2:** Points to the bottom horizontal mullion.
 - S7:** Points to the bottom horizontal mullion.
 - S1:** Points to the bottom horizontal mullion.
 - S2:** Points to the bottom horizontal mullion.
 - S7:** Points to the bottom horizontal mullion.
 - S1:** Points to the bottom horizontal mullion.
- Other Dimensions:**
 - 7 1/2" (7 and a half inches)
 - 1 1/2" (1 and a half inches)
 - 1/4" (one quarter inch)
 - 1/8" (one eighth inch)
 - 1/16" (one sixteenth inch)
 - 1/32" (one thirty second inch)
 - 1/64" (one sixty fourth inch)
 - 1/128" (one one hundred twenty eighth inch)
 - 1/256" (one two hundred fifty sixth inch)
 - 1/512" (one five hundred twelve eighth inch)
 - 1/1024" (one ten thousand two hundred forty eighth inch)
 - 1/2048" (one twenty thousand four hundred ninety sixth inch)
 - 1/4096" (one forty thousand nine hundred ninety second inch)
 - 1/8192" (one eighty thousand nine hundred ninety fourth inch)
 - 1/16384" (one sixty thousand four hundred ninety eighth inch)
 - 1/32768" (one one hundred twenty thousand nine hundred ninety sixth inch)
 - 1/65536" (one two hundred forty thousand nine hundred ninety second inch)
 - 1/131072" (one four hundred eighty thousand nine hundred ninety fourth inch)
 - 1/262144" (one nine hundred sixty thousand nine hundred ninety eighth inch)
 - 1/524288" (one one million nine hundred thirty six thousand nine hundred ninety sixth inch)
 - 1/1048576" (one three million eight hundred seventy two thousand nine hundred ninety second inch)
 - 1/2097152" (one seven million seven hundred forty four thousand nine hundred ninety fourth inch)
 - 1/4194304" (one fifteen million four hundred eighty eight thousand nine hundred ninety eighth inch)
 - 1/8388608" (one thirty million nine hundred seventy six thousand nine hundred ninety sixth inch)
 - 1/16777216" (one sixty million nine hundred fifty two thousand nine hundred ninety second inch)
 - 1/33554432" (one one hundred twenty million nine hundred ninety fourth inch)
 - 1/67108864" (one two hundred forty million nine hundred ninety eighth inch)
 - 1/134217728" (one four hundred eighty million nine hundred ninety sixth inch)
 - 1/268435456" (one nine hundred sixty million nine hundred ninety second inch)
 - 1/536870912" (one one billion nine hundred thirty six thousand nine hundred ninety fourth inch)
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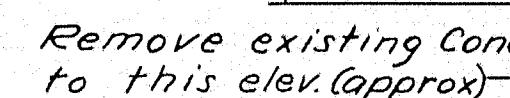
[illegible]

Diagram illustrating a bolted connection. The total width of the plate is $6\frac{1}{2}"$. The distance from the centerline of the bolt to the edge of the plate is $3\frac{1}{2}"$. The distance from the centerline of the bolt to the edge of the gusset plate is $3"$. The thickness of the plate is $1\frac{1}{2}"$. The diagram shows the bolt, nut, and washer, and indicates the stress distribution across the plate.

The diagram illustrates a cross-section of a wall and its foundation. The wall has a total width of $6\frac{1}{2}"$. A reinforcement bar is positioned $1\frac{1}{2}"$ from the end of the wall. The distance from the end of the wall to the reinforcement bar is labeled as "Variable". The foundation has a width of $1\frac{1}{2}"$. The reinforcement bar is shown extending through the wall and into the foundation, with a hook at the end. The diagram also shows the placement of other reinforcement bars within the wall and foundation.

RAIL NOTE

Post & Block steel to be placed when Ret. Wall Concrete is cast. Bottom Bar to be cast in position with Balluster Steel in position. Ballusters are then cast in position, breaking bond of "A" with one thickness of heavy roofing. Top Bar to be Cast in position, breaking bond of "B" similar to point "A". The ends of the Rails are to be finished at this time. The projecting Tongues of the Bars are neatly wrapped with two thicknesses of Heavy roofing. It is to be noted that the Bars project into Posts 3". After posts have been Cast and forms removed, All exposed Roofing shall be neatly trimmed away.

[illegible]

Mark	Size	No.	Length	Location
P	#6	7	7'-11"	Rail Posts
S	#3	12	3'-2"	" "
R1	#4	9	8'-7"	Bottom Rail Bars
R2	#4	6	8'-4½"	Top Rail Bars

R3	#4	6	8'-2"	Top Rail Bars
R4	#4	18	1'-6"	Rail Support Blocks
R5	#4	24	2'-0"	Balusters
W1	#4	2	17'-0"	Top of Wall
W2	#4	2	10'-0"	" " "
D	#4	8	1'-0"	Dowels to end post
R6	#4	9	8'-5"	Bot. Rail Bars (Bend in Field)
	#3		280'-0"	Side Walk Cut-in Field To Fit

NOTE

Remove concrete curb, concrete sidewalk, cantilever slab and the top of the retaining wall as shown.
Cap wall to new grades as shown, set new granite curb, replace sidewalk and build new concrete rail on top of wall.

Reinforcing steel from the cantilever slab shall be cut as required for the new construction.

