30" x 40" STRETCHER

OUT OF 2-8' 1x4s (3/4" x 3 1/2" actual)

1 pc. 1x4 cut 28 1/2" (inside frame)
1 pc. 1x4 cut 35 1/4" (inside frame)
1 pc. 1x4 cut 30" (outside frame)
1 pc. 1x4 cut 40" (outside frame)
1 pc. 1x4 cut 25 1/4" (brace)

2-2 1/2" nails ea. interior butt joint
2-2 1/2" nails ea. brace butt joint
30 degree bevel up edge outside boards
45 degree mitre ends of outside frame
1 3/4" nails outside boards to inside frame every 6-8".

STRETCHERS

MATERIALS NEEDED:
- 1 X 4 LUMBER (ACTUALLY 3/4" X 3.5"). GET DECENT STUFF!
- 1.5" OR 1.75" NAILS *
- 2.5" NAILS*
- WOOD GLUE*
- TABLE SAW AND MITRE SAW*

*FOR THE PURPOSE OF THE DEMONSTRATION AND THE SHOP, WE WILL BE USING A PNEUMATIC AIR NAILER. THE NAIL STRIPS AND GLUE WILL BE PROVIDED.

PROCEDURE:
1) CUT THE 1 X 4s TO THE LENGTHS OF THE OUTER AND INNER FRAMES ON THE MITRE SAW. Out of each piece you will get 2 boards.

- OUTER FRAME dimensions will be the same as the finished stretcher.
- INNER FRAME dimensions will be 1 1/2" less overall than the outer frame, but 1 of the boards will be 3 1/4" less again (they will be the inner boards to the butt joint of the inner frame.) The 3 1/4" is equal to 2 times the width of the finished boards at 1 5/8th". Pick the longest side to put on the inside of the butt joint and take this measurement from that.