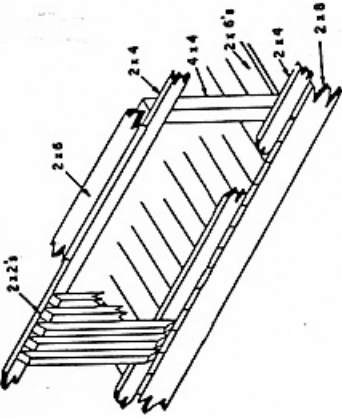
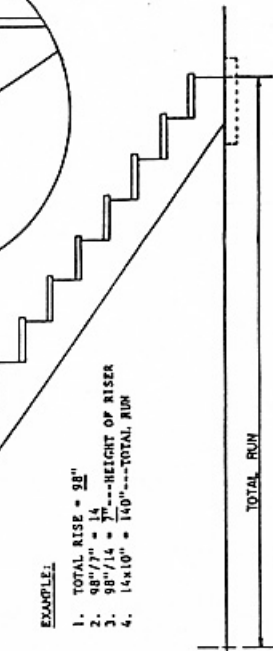


LAYING OUT THE STAIRS

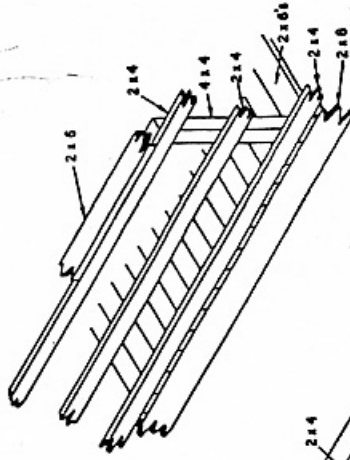
1. MEASURE TOTAL RISE (DISTANCE FROM TOP OF JOIST TO GROUND LEVEL).
2. DIVIDE TOTAL RISE BY 7" AND ROUND TO NEAREST WHOLE NUMBER TO GET TOTAL NUMBER OF RISERS NEEDED. DIVIDING BY 8" WILL GIVE A STEEPER SLOPE AND DECREASE THE TOTAL RUN.
3. DIVIDE TOTAL RISE BY THIS NUMBER. THIS WILL GIVE THE HEIGHT OF EACH RISER.
4. MULTIPLY NUMBER OF RISERS BY 10" TO GET TOTAL RUN (DISTANCE FROM EDGE OF DECK TO FRONT OF BOTTOM STEP).

TOTAL RISE

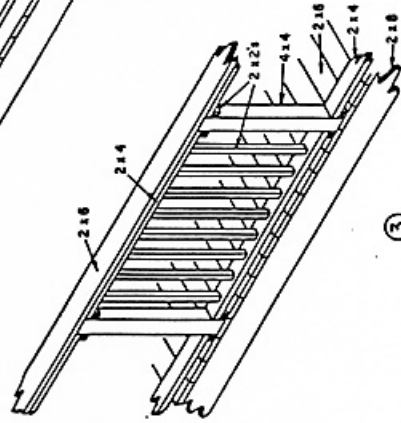
- EXAMPLE:**
1. TOTAL RISE = 98"
 2. $98 \div 7 = 14$ --- HEIGHT OF RISER
 3. $98 \div 14 = 7$ --- TOTAL RUN
 4. $14 \times 10 = 140$ --- TOTAL RUN



① RAILING OPTIONS



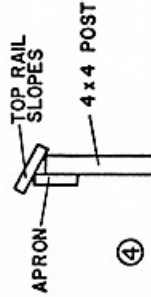
②



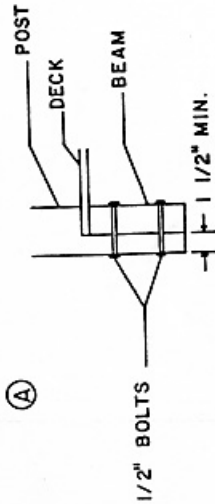
③

STAIR LAYOUT DETAILS

SLOPING TOP RAIL TO IMPROVE DURABILITY

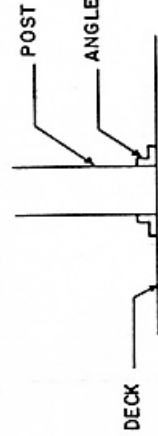


④



① A

1/2" BOLTS
1 1/2" MIN.



① B

ALTERNATE POST ANCHORAGE



SCALE

NOTES:

1. WEATHER RESISTANT WOOD (I.E. REDWOOD) OR PRESERVATIVE (CCA) PRESSURE TREATED WOOD SHOULD BE USED. USE LUMBER THAT HAS BEEN REORIED AFTER PRESERVATIVE TREATMENT WILL REDUCE WARPING
2. SECURELY ANCHOR BASE OF POST TO ENAILING ON ALL 4 SIDES MAY BE ENOUGH BUT IF FAILURE WOULD CAUSE BAD FALL ALTERNATE ANCHORAGES SHOULD BE CONSIDERED

CAUTION:
RAIL HEIGHT SHOULD BE AT LEAST 30" AND, FOR CHILDREN, RAIL SPACING NEEDS TO BE NARROW ENOUGH TO PREVENT FALLING THROUGH BUT NOT BE OF A WIDTH THAT WOULD CATCH A CHILD'S HEAD