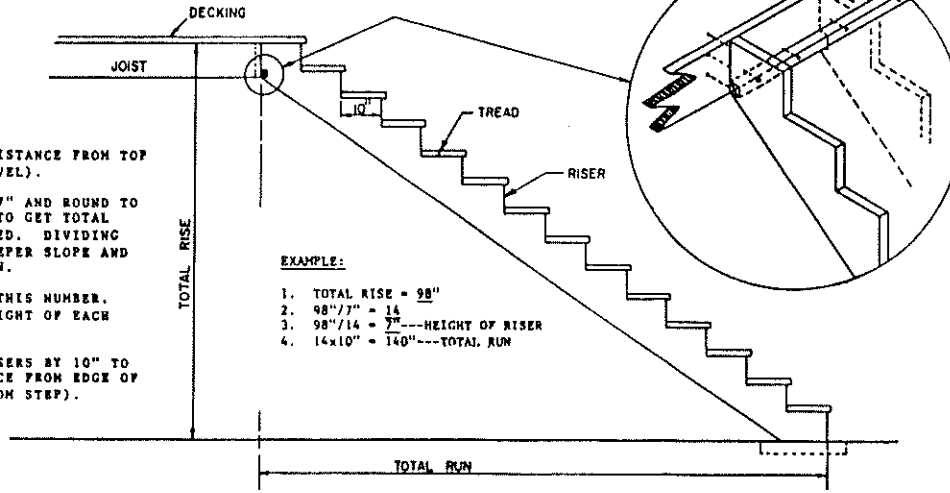


LAYING OUT THE STAIRS

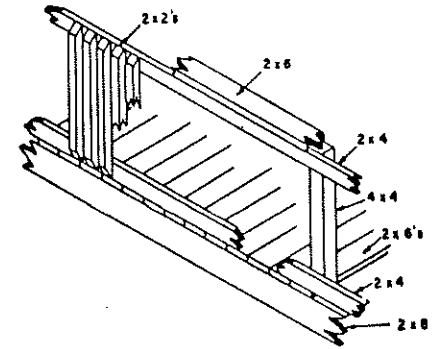
1. MEASURE TOTAL RISE (DISTANCE FROM TOP OF JOIST TO GROUND LEVEL).
2. DIVIDE TOTAL RISE BY 7" AND ROUND TO NEAREST WHOLE NUMBER TO GET TOTAL NUMBER OF RISERS NEEDED. DIVIDING BY 8" WILL GIVE A STEEPER SLOPE AND DECREASE THE TOTAL RUN.
3. DIVIDE TOTAL RISE BY THIS NUMBER. THIS WILL GIVE THE HEIGHT OF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

EXAMPLE:

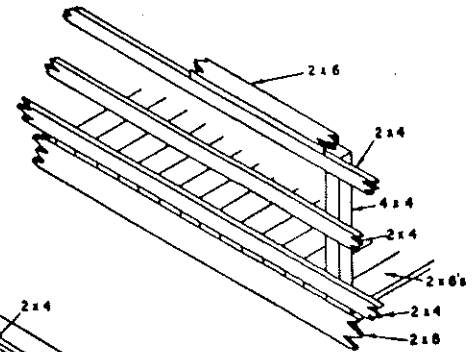
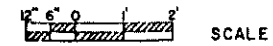
1. TOTAL RISE = 98"
2. $98"/7" = 14$
3. $98"/14 = 7"$ --- HEIGHT OF RISER
4. $14 \times 10" = 140"$ --- TOTAL RUN



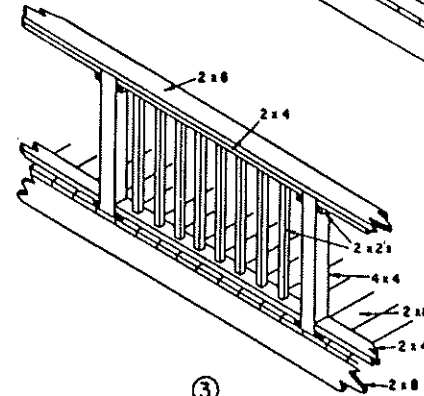
STAIR LAYOUT DETAILS



RAILING OPTIONS ①

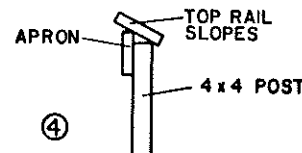


②

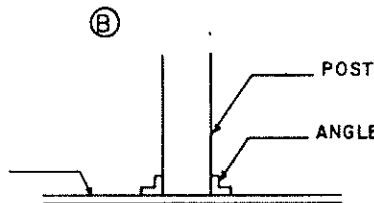
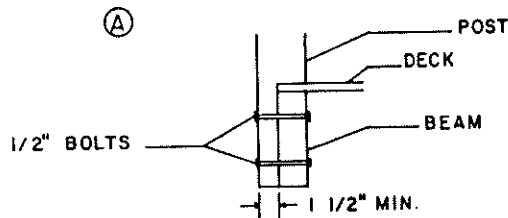


③

SLOPING TOP RAIL TO IMPROVE DURABILITY



④



ALTERNATE POST ANCHORAGE



SECURE WITH TWO 3/8" DIA. WOOD SCREWS IN EACH LEG

NOTES:

1. WEATHER RESISTANT WOOD (I.E. REDWOOD) OR PRESERVATIVE (CCA) PRESSURE TREATED WOOD SHOULD BE USED. USE LUMBER THAT HAS BEEN REDRIED AFTER PRESERVATIVE TREATMENT WILL REDUCE WARPING
2. SECURELY ANCHOR BASE OF POST TO NAILING 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

COOPERATIVE EXTENSION SERVICE
AGRICULTURE AND HOME ECONOMICS

AND
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

STAIR AND DECK RAILING
DETAIL

MD 88 | 6407 | SHEET | OF |