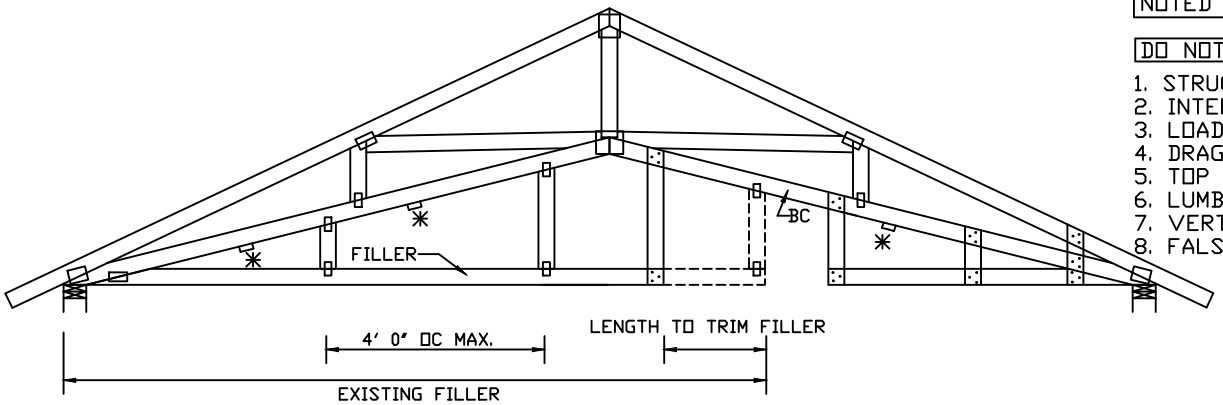
STANDARD BOTTOM CHORD FALSE FRAME DETAILS



THIS DETAIL APPLIES TO ANY PITCH, ANY SPAN, ANY TOP CHORD LOADING AND ANY TRUSS WEB CONFIGURATION FOR 24" O.C. MAX. SPACING AND 10PSF MAX. CEILING LOAD., WITH THE EXCEPTIONS NOTED ON THIS SHEET

DO NOT USE THIS DETAIL FOR:

1. STRUCTURAL BEARINGS UNDER THE FALSE FRAME (NOT PARTITIONS).
2. INTERIOR BEARINGS AT ANY LOCATION ON THE TRUSS.
3. LOADS IN EXCESS OF 10PSF CONNECTED TO THE FALSE FRAME.
4. DRAG LOADS CONNECTED TO THE FALSE FRAME.
5. TOP CHORD APPLIED FALSE FRAMES.
6. LUMBER GRADES LESS THAN SPECIFIED ON THIS DETAIL.
7. VERTICALS SPACED APART MORE THAN PANEL POINTS (IF>4'-0").
8. FALSE FRAMES ON CANTILEVER SECTIONS OF A TRUSS.

GENERAL NOTES:

- SPECIFIC TRUSS DESIGN IS SEPARATE FROM THIS DETAIL.
- USE #2 OR BETTER (1450f FOR MSR) MATERIAL FOR FALSE FRAME CHORDS.
- USE #3 OR BETTER OR STUD (900f FOR MSR) MATERIAL FOR FALSE FRAME WEBS.
- LOCATE VERTICALS AT 4'-0" O.C. MAX., OR SEE NEXT OPTION.
- IF FALSE FRAME CHORD IS THE SAME SIZE AND GRADE AS THE STRUCTURAL CHORD, THEN VERTICALS MAY BE LOCATED WITHIN + OR - 12" OF THE PANEL POINTS ALONG THE BOTTOM CHORD (4' MAX. PANEL LENGTH).
- * APPLY REQUIRED BRACING (SEE BELOW).
- OPTIONAL PLANT SHELF MAY BE USED UP TO 24" MAX.
- FALSE FRAMES MAY BE SIMILARLY APPLIED TO FLAT BOTTOM CHORD TRUSSES (OR FLAT BOTTOM CHORD SECTIONS OF A TRUSS).

*LATERAL BRACING IS NORMALLY REQUIRED ON THE STRUCTURAL BOTTOM CHORD OF THE ORIGINAL TRUSS. SINCE MANY FACTORS AFFECT THE NUMBER OF REQUIRED BRACES, SUCH AS LUMBER SIZE AND GRADE, WIND LOADS, BEARING LOCATIONS, ETC. IT IS NOT POSSIBLE TO DEVELOP A STANDARD FOR BRACING EXCEPT TO SAY THAT IN NO CASE MAY THE BRACING EXCEED 10'-0" O.C. FOR A SINGLE-PLY TRUSS BOTTOM CHORD. REFER TO SPECIFIC TRUSS DESIGNS TO DETERMINE THE REQUIRED BRACING FOR THE STRUCTURAL BOTTOM CHORD (MAY BE INDICATED AS BOTTOM CHORD PURLIN SPACING). BRACING SHOULD ALSO BE APPLIED TO THE FALSE FRAME CHORD AT 10'-0" O.C. IF THERE IS NO SHEATHING MATERIAL APPLIED DIRECTLY TO THE FALSE FRAME CHORD. BRACING MATERIALS AND THEIR CONNECTIONS ARE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER PER THE LATEST VERSION OF ANSI/TPI.

NOTE: FALSE FRAME MEMBERS MAY BE CUT AND FIELD MODIFIED AS NEEDED WITHOUT THE NEED FOR REPAIR DETAILS, PROVIDED THE MODIFICATION DOES NOT INVOLVE CUTTING OR DAMAGING STRUCTURAL MEMBERS, OR CHANGING LOAD CONDITIONS OR SUPPORT CONDITIONS. BRACING REQUIREMENTS MAY CHANGE BASED ON THE NEW FRAME LOCATIONS AFTER MODIFICATION.

SHOP APPLIED

- USE AN ALPINE WAVE 20 GAUGE 3x4 MIN. PLATE AT HEEL CONNECTION. USE ALPINE WAVE 20 GAUGE 2x4 MIN. PLATES AT EACH END OF EACH VERTICAL WEB. ALL PLATES ARE REQUIRED ON BOTH FACES OF EACH JOINT.
- IF NEEDED, A 2x4 FALSE FRAME BOTTOM CHORD MAY BE SPLICED WITH AN ALPINE WAVE 3x4 MIN. PLATE AT ANY CONVENIENT LOCATION, OR AN ALPINE WAVE 5x5 MIN. PLATE AT ANY VERTICAL (JOINT SPLICE).

FIELD APPLIED

- PLACE FALSE FRAME CHORD IN-PLANE WITH THE TRUSS.
- CUT VERTICALS TO LAP BOTH THE STRUCTURAL CHORD AND THE FALSE FRAME CHORD, TO BE PLACED AT EACH END IN ADDITION TO ABOVE REQ.
- JOIN VERTICALS TO ALTERNATING FACES OF THE TRUSS WITH (3) 10d BOX (0.128"x3") NAILS AT EACH END OF EACH VERTICAL. (12" MIN. VERTICAL BLOCK)
- MAY USE A 12" LONG 7/16" PLYWOOD (OR OSB) GUSSET TO EACH FACE AND 8d NAILS (0.113x2.5") @ 3" O.C. AT THE FALSE FRAME HEEL JOINT IF DESIRED.
- VERTICALS MAY BE JOINED BY (2) 3x6 TRULOX PLATES WITH (4) 11 GAUGE (0.120") x1.375" NAILS INTO EACH MEMBER (ONE PLATE ON EACH FACE OF TRUSS ATTACHED WITH 4 NAILS).
- IF NEEDED, THE FALSE FRAME BOTTOM CHORD MAY BE SPLICED WITH AN 18" LONG MIN. BLOCK SCAB, CENTERED ON THE SPLICE JOINT, ATTACHED WITH (6) 10d BOX (0.128"x3") NAILS ON EACH SIDE OF THE SPLICE JOINT (ONE FACE ONLY).

ALPINE®
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

REF	BC FILLER
DATE	10/01/14
DRWG	REPBCFIL1014