

SY42 FIELD STUBBING REPAIR DETAIL

REFER TO ITWBCG ENGINEER'S SEALED DESIGN FOR ORIGINAL SPAN, LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN ON THIS DETAIL.

* THIS REPAIR ALLOWS FOR A SINGLE SPAN, TWO BEARING, NON-CANTILEVERED, SY42 TRUSS TO BE SHORTENED A MAXIMUM OF 6" FROM ONE OR BOTH ENDS. TRUSSES SHALL SUPPORT A MAXIMUM TRIBUTARY LOAD AREA OF 2'-0" WITH NO OTHER UNIFORM OR CONCENTRATED LOADS.

** (2) 4x2 #3 FIELD-APPLIED BLOCKS. SCRIBE TO CUT FOR TIGHT FIT. ATTACH TO TRUSS WHERE SHOWN.

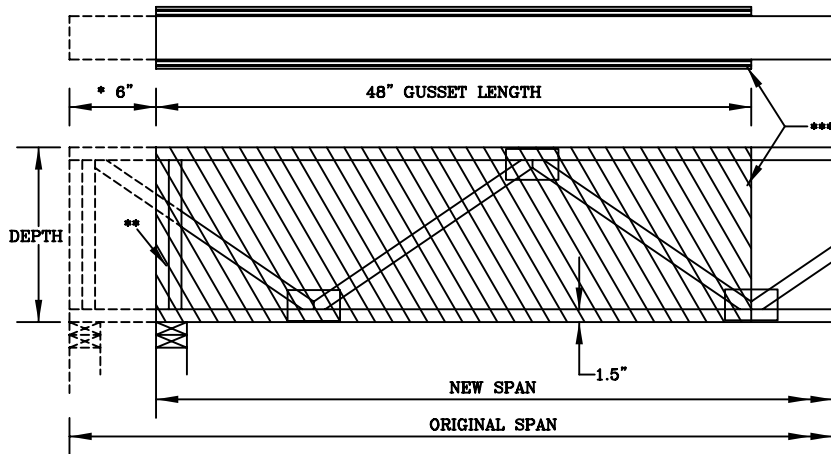
*** REPAIR TRUSS USING 1/2" APA RATED 32/16 OR 3/4" APA RATED 48/24 SHEATHING (REFER TO CHART) NAILED TO BOTH FACES OF TRUSS. SIZE GUSSETS AS SHOWN. USE 8d BOX (0.113" DIA. x 2.5") NAILS IN 1 ROW AT 2" O.C. NAIL INTO ALL MEMBERS IN CONTACT WITH GUSSETS.

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESS CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

TRUSSES MUST BE INSPECTED BY THE TRUSS MANUFACTURER OR LOCAL BUILDING DEPARTMENT AFTER THE COMPLETION OF REPAIRS TO ASSURE COMPLIANCE WITH ITWBCG DESIGNS AND SPECIFICATIONS.

A CHASE OPENING, IF PRESENT, MUST BE LOCATED AT CENTERLINE OF TRUSS SPAN. TRUSS MAY BE CUT BACK UP TO 6" AT EACH END, UNLESS OTHERWISE SPECIFIED ON ENGINEER'S SEALED DESIGN.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE, IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.



1/2" 32/16 RATED SHEATHING	
MAXIMUM NEW SPAN	MINIMUM DEPTH
35-01-00	20"
31-07-00	18"
28-00-00	16"
24-04-00	14"
20-08-00	12"
16-11-00	10"

3/4" 48/24 RATED SHEATHING	
MAXIMUM NEW SPAN	MINIMUM DEPTH
40-03-08	20"
36-03-08	18"
32-03-08	16"
28-03-08	14"
24-03-08	12"
20-03-08	10"



Building Components Group Inc.

Earth City, MO 63045

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET**
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

****IMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.**
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 20/18/18GA (W.H./S/S) ASTM A653 grade 37/40/60 (K/W/H.S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANST/TPI 1 Sec. 2.
ITW-BCG: www.itwbcg.com; TPI: www.tpinst.com; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	40 PSF	REF	STUB SY42
TC DL	10 PSF	DATE	1/1/09
BC DL	5 PSF	DRWG	REPSY42A0109
BC LL	0 PSF		
TOT. LD.	55 PSF		
DUR. FAC.	1.00		
SPACING	24.0"		