

MWPS-72008

Braced Rafters for 32' - 36' Barn Widths

For 32', 34' and 36' barn spans.

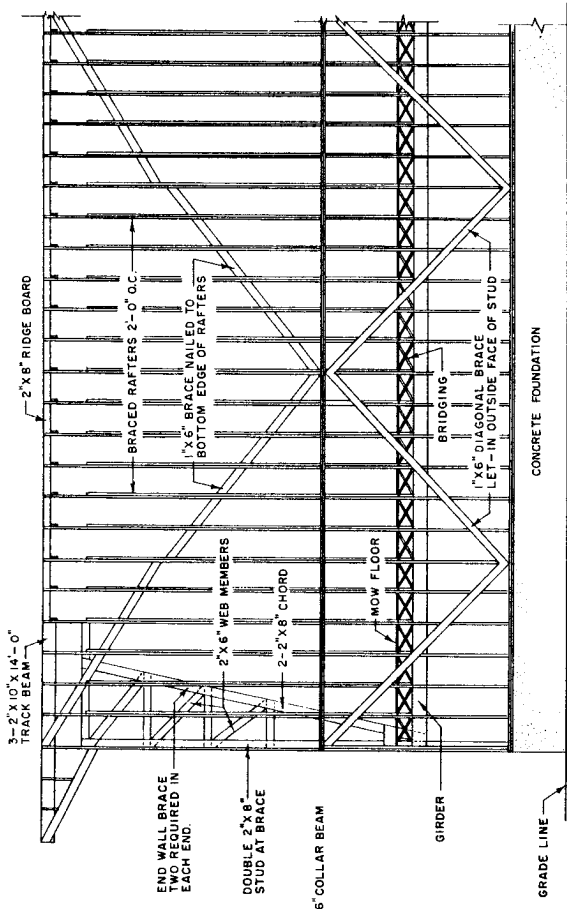
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CAUTION!

Additional professional services will be required to tailor this plan to your situation, including but not limited to: assurance of compliance with codes and regulations; review of specifications for materials and equipment; supervision of site selection, bid letting and construction; and provision for utilities, waste management, roads or other access. **Furthermore, any deviation from the given specifications may result in structural failure, property damage, and personal injury including loss of life.**

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Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating
BRACED RAFTER FOR 32' - 0" - 36' - 0" BARN WIDTHS
Title Page
MIDWEST PLAN NO. 72008

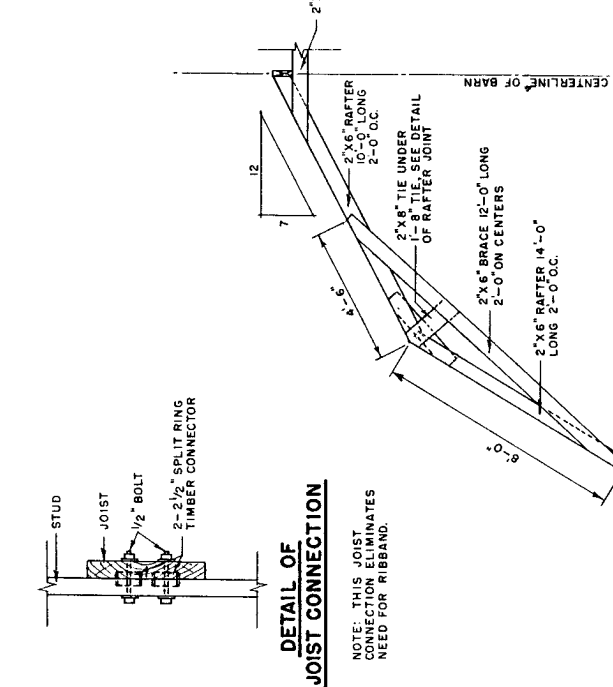


PART SIDE FRAMING

BRACED BARN RAFTERS

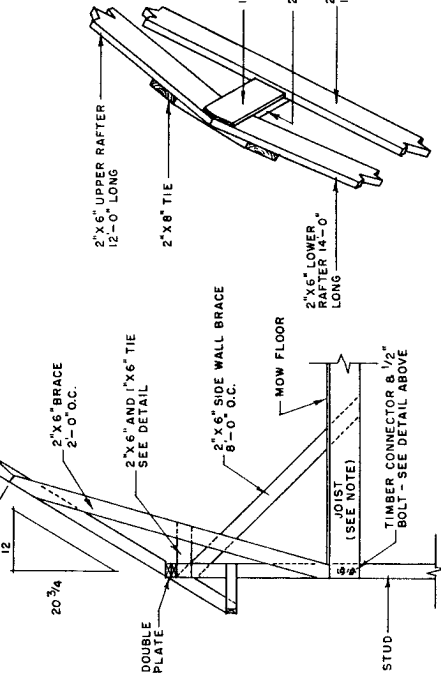
- SHEET 1. 32' SPAN, 2' SPACING
 2. 34' SPAN, 2' SPACING
 MOW FLOOR JOISTS & GIRDERS
 3. 36' SPAN, 2' SPACING
 4. 32' TO 36' SPANS, UP TO 14' SPACING

MIDWEST PLAN SERVICE
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32'-0" - 36'-0" BARN WIDTHS
FIRST Sheet of 4 Sheets
MIDWEST PLAN NO. 720 08
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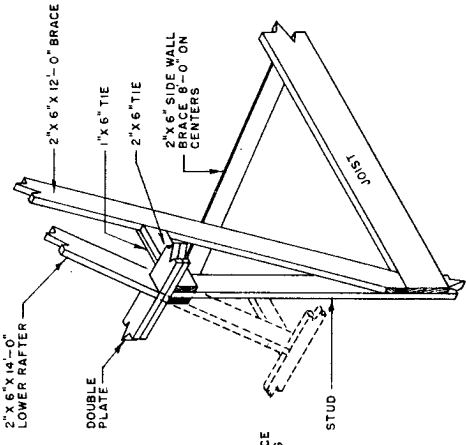


DETAIL OF JOIST CONNECTION

NOTE: THIS JOIST CONNECTION ELIMINATES NEED FOR RIBBAND.



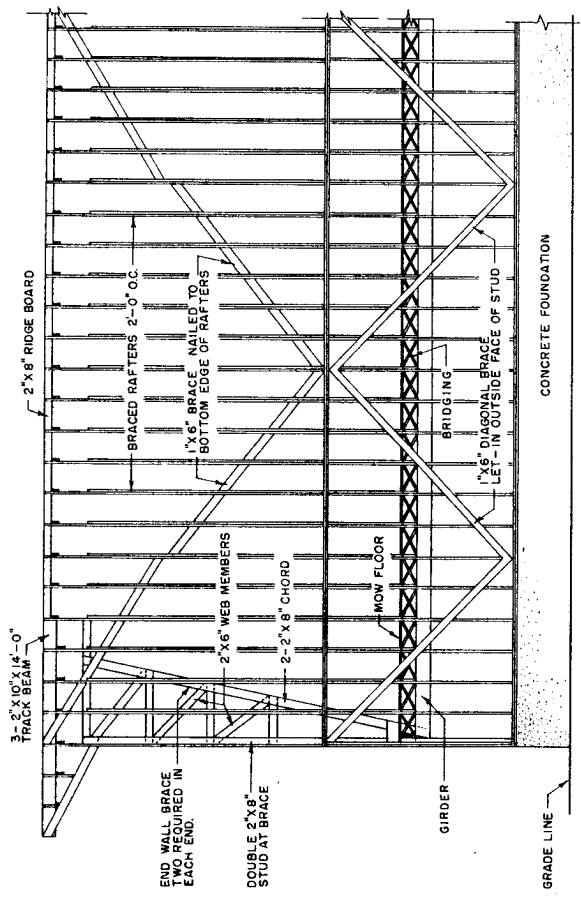
DETAIL OF RAFTER JOINT



DETAIL OF CONNECTION AT PLATE

RAFTER ELEVATION

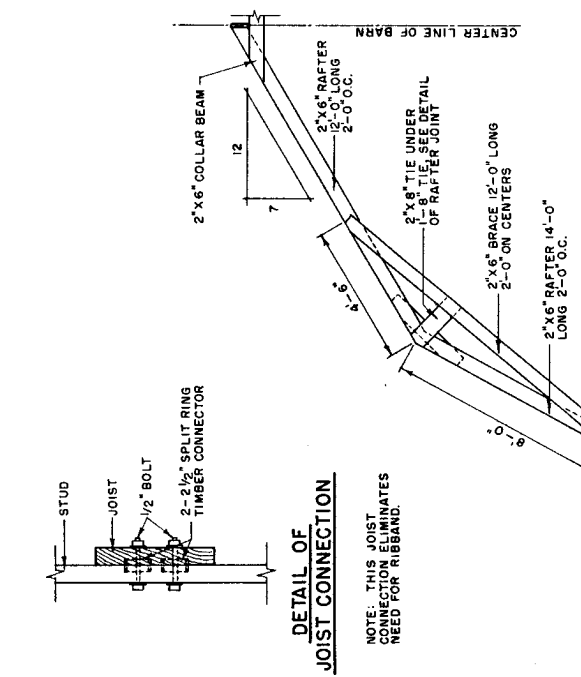
32'-0" BARN WIDTH



PART SIDE FRAMING

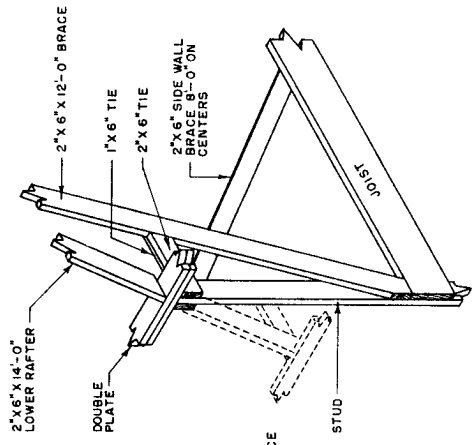
MOW FLOOR JOISTS & GIRDERS
 JOIST AND GIRDER SIZES IN A BARN DEPEND ON THE TYPE OF FLOORING AND THE LOADS. CONSULT COMPLETE BARN PLANS FOR SPECIFIC DESIGNS OF MOW FLOOR SYSTEMS. THE TABLE BELOW IS A GUIDE TO MEMBER SIZES FOR STATED CONDITION.

MAY LOAD CONDITION	JOIST SIZE 1/4" MAX SPAN	GIRDER SIZE	
		1/2" MAX SPAN	3/4" MAX SPAN
LOOSE HAY TO RIDGE	2" x 12" 2'-0" ON CENTERS	3 - 2" x 12"	3 - 2" x 12"
CHOPPED HAY 20'-0" DEEP	2 - 2" x 12" 2'-0" ON CENTERS	5 - 2" x 14"	3 - 2" x 12"
HEAVY BALED HAY 15'-0" DEEP	2 - 2" x 12" 2'-0" ON CENTERS	6 - 2" x 14"	5 - 2" x 12"

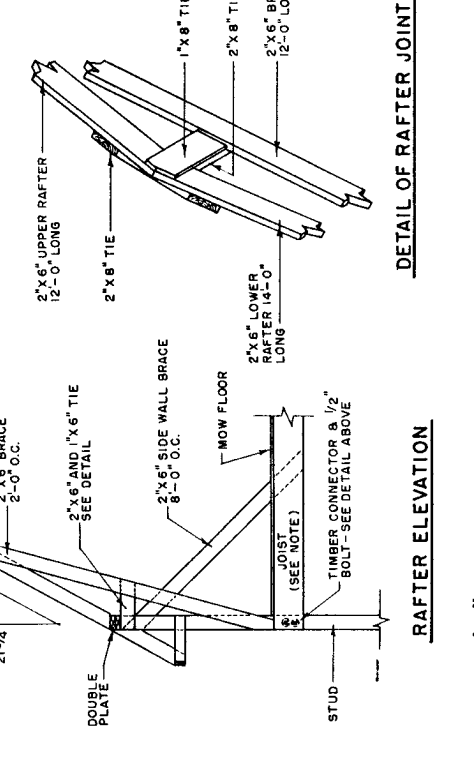


DETAIL OF JOIST CONNECTION

NOTE: THIS JOIST CONNECTION REQUIRES RIBBONS.



DETAIL OF CONNECTION AT PLATE



DETAIL OF RAFTER JOINT

RAFTER ELEVATION

34'-0" BARN WIDTH

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BRACED RAFTER FOR
 32'-0" - 36'-0" BARN WIDTHS
 2 Sheet of 4 Sheets

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