

TABLE OF CONTENTS

WEB JOIST TRUSS • DESIGN MANUAL



WEB JOIST

Inspired by Integrity

Table of Contents

Why Use Web Joist?	2
Code Acceptance	2
Specifications	2
General Information	3
Basic Profiles	4
Series Designation	4
Product Description	4
Typical Top Chord Bearing Details	5-6
Typical Bottom Chord Bearing Details	7-8
Bridging Details	9
Blocking Details	10
Cross-Bracing Detail	10
Shear-Blocking Detail	10
Beveled Plate Requirements	11
Concentrated Load Details	12
Load Bearing Wall Detail	12
Multiple Truss Ledger Detail	13
Header Details	13
Top Chord Extension Details	14
Dbf 2X_ Outrigger Capacity Table	15
Angle Bearing Detail	15
Non-Bearing Partition Detail	16
Min. Pin to End Table	16
Duct Size Table	16
Deflection Calculation	17
Deflection Limits	17
Recommended Cambers	17
Nailing Into Chords	17
Weight of Materials	18
Instructions for Using Load Tables	19
Load Tables:	
WJ21	20
WJ24	21
WJ28	22
WJ21W	23
WJ24W	24
WJ28W	25
WJ-L6	26