

CONNECTIONS - ROOF TRUSSES & BAR JOISTS 16 FT SPAN ONLY (SEE SHEETS 4 & 5 FOR OTHER SPAN TABLES)

SHEET 1



2 - BOLT
1 - ANGLE
3 - BOLT
1 - ANGLE
4 - BOLT
2 - ANGLE
CONNECTION CONFIGURATIONS



2 - BOLT
1 - ANGLE
3 - BOLT
1 - ANGLE
4 - BOLT
2 - ANGLE
CONNECTION CONFIGURATIONS

THIS SHEET APPLIES TO TRUSSES AND BAR JOISTS THAT HAVE A HORIZONTAL BASE MEMBER ON TOP OF POST.
THE INFORMATION SHOWN IN THE TABLES ON THIS SHEET ARE TAKEN FROM SHEET 3 TABLES.

BAR JOIST TRUSS (SUPPORTS ONE END OF CONNECTION TRUSS)						CONNECTING TRUSS						
SPAN	NUMBER OF BOLTS REQUIRED EACH END	BOLT SIZE	LAG BOLT SIZE	BOLT SPEC		SPACING	SPAN	LOAD DEAD + LIVE PSF	NUMBER OF BOLTS REQUIRED EACH END	REQ'D BOLT SIZE	LAG BOLT SIZE	BOLT SPEC
16	2	3/8	3/8	A307	G-185	12	20	12	2	3/8	3/8	A307
16	2	3/8	3/8	A307		10	20	12	2	3/8	3/8	A307
16	2	3/8	3/8	A307		8	20	12	2	3/8	3/8	A307
16	2	3/8	3/8	A307		12	24	12	2	1/2	1/2	A307
16	2	3/8	3/8	A307		10	24	12	2	3/8	3/8	A307
16	2	3/8	3/8	A307		8	24	12	2	3/8	3/8	A307
16	2	3/8	3/8	A307		12	28	12	2	1/2	1/2	A307
16	2	3/8	3/8	A307		10	28	12	2	1/2	1/2	A307
16	2	3/8	3/8	A307		8	28	12	2	3/8	3/8	A307
16	2	3/8	3/8	A307		12	32	12	2	1/2	1/2	A307
16	2	3/8	3/8	A307		10	32	12	2	1/2	1/2	A307
16	2	3/8	3/8	A307		8	32	12	2	3/8	3/8	A307
16	3	3/8	3/8	A307		12	36	12	3	1/2	1/2	A307
16	3	3/8	3/8	A307		10	36	12	3	3/8	3/8	A307
16	3	3/8	3/8	A307		8	36	12	3	3/8	3/8	A307
16	3	3/8	3/8	A307		12	40	12	3	1/2	1/2	A307
16	3	3/8	3/8	A307		10	40	12	2	1/2	1/2	A307
16	3	3/8	3/8	A307		8	40	12	2	1/2	1/2	A307
16	4	3/8	3/8	A307		12	50	12	3	1/2	1/2	A307
16	4	3/8	3/8	A307		10	50	12	3	1/2	1/2	A307
16	4	3/8	3/8	A307		8	50	12	3	1/2	1/2	A307
16	4	3/8	3/8	A307		12	60	12	4	1/2	1/2	A307
16	4	3/8	3/8	A307		10	60	12	4	1/2	1/2	A307
16	4	3/8	3/8	A307		8	60	12	4	3/8	3/8	A307

LAG SCREWS

DIA (IN)	3/8	1/2	5/8	3/4
L (IN)	3.5	4.5	5.5	6.5

USE ASTM A 653, type G185 FASTENERS (TRIPLE ZINC)
PER 2009 IBC - SECTION 2304.9.5.1 FOR ACQ TREATED WOOD

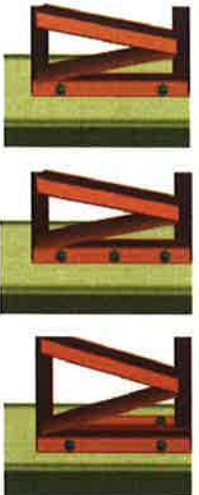
LAG SCREWS

DIA (IN)	3/8	1/2	5/8	3/4
L (IN)	3.5	4.5	5.5	6.5

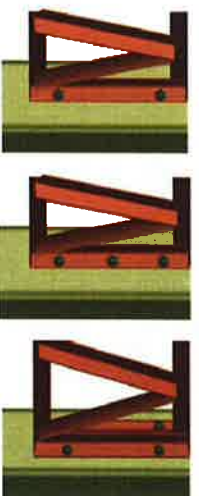
USE ASTM A 653, type G185 FASTENERS (TRIPLE ZINC)
PER 2009 IBC - SECTION 2304.9.5.1 FOR ACQ TREATED WOOD

CONNECTIONS - ROOF TRUSSES & BAR JOISTS 16 FT SPAN ONLY (SEE SHEETS 4 & 5 FOR OTHER SPAN TABLES)

SHEET 2



2 - BOLT L- ANGLE
3 - BOLT L- ANGLE
4 - BOLT L- ANGLE
CONNECTION CONFIGURATIONS



2 - BOLT L- ANGLE
3 - BOLT L- ANGLE
4 - BOLT L- ANGLE
CONNECTION CONFIGURATIONS

THIS SHEET APPLIES TO TRUSSES AND BAR JOISTS THAT HAVE A HORIZONTAL BASE MEMBER ON TOP OF POST.
THE INFORMATION SHOWN IN THE TABLES ON THIS SHEET ARE TAKEN FROM SHEET 3 TABLES.

BAR JOIST TRUSS (SUPPORTS ONE END OF CONNECTION TRUSS)						CONNECTING TRUSS					
SPAN	NUMBER OF BOLTS REQUIRED	BOLT SIZE	LAG BOLT SIZE	BOLT SPEC	SPACING	SPAN	LOAD DEAD + LIVE	NUMBER OF BOLTS REQUIRED	REC'D BOLT SIZE	LAG BOLT SIZE	BOLT SPEC
16	2	1/2	1/2	A307	12	20	26	3	1/2	1/2	A307
16	2	3/8	3/8	A307	10	20	26	3	1/2	1/2	A307
16	2	3/8	3/8	A307	8	20	26	3	3/8	3/8	A307
16	2	1/2	1/2	A307	12	24	26	3	1/2	1/2	A307
16	2	1/2	1/2	A307	10	24	26	3	1/2	1/2	A307
16	2	3/8	3/8	A307	8	24	26	3	1/2	1/2	A307
16	2	1/2	1/2	A307	12	28	26	3	5/8	5/8	A307
16	2	1/2	1/2	A307	10	28	26	3	1/2	1/2	A307
16	2	3/8	3/8	A307	8	28	26	3	1/2	1/2	A307
16	2	1/2	1/2	A307	12	32	26	4	1/2	1/2	A307
16	2	1/2	1/2	A307	10	32	26	4	1/2	1/2	A307
16	2	1/2	1/2	A307	8	32	26	4	1/2	1/2	A307
16	3	1/2	1/2	A307	12	36	26	4	5/8	5/8	A307
16	3	1/2	1/2	A307	10	36	26	4	1/2	1/2	A307
16	3	3/8	3/8	A307	8	36	26	4	1/2	1/2	A307
16	3	1/2	1/2	A307	12	40	26	4	5/8	5/8	A307
16	3	1/2	1/2	A307	10	40	26	4	5/8	5/8	A307
16	3	3/8	3/8	A307	8	40	26	4	1/2	1/2	A307
16	4	1/2	1/2	A307	12	50	26	4	3/4	3/4	A307
16	4	1/2	1/2	A307	10	50	26	4	5/8	5/8	A307
16	4	3/8	3/8	A307	8	50	26	4	5/8	5/8	A307
16	4	1/2	1/2	A307	12	60	26	4	3/4	3/4	A307
16	4	1/2	1/2	A307	10	60	26	4	3/4	3/4	A307
16	4	1/2	1/2	A307	8	60	26	4	5/8	5/8	A307

LAG SCREWS

DIA (IN)	3/8	1/2	5/8	3/4
L (IN)	3.5	4.5	5.5	6.5

USE ASTM A 653, type G185 FASTENERS (TRIPLE ZINC)
PER 2009 IBC - SECTION 2304.9.5.1 FOR ACOQ TREATED WOOD

LAG SCREWS

DIA (IN)	3/8	1/2	5/8	3/4
L (IN)	3.5	4.5	5.5	6.5

USE ASTM A 653, type G185 FASTENERS (TRIPLE ZINC)
PER 2009 IBC - SECTION 2304.9.5.1 FOR ACOQ TREATED WOOD

BAR JOIST TRUSS (SUPPORTS ONE END OF CONNECTION TRUSS)					CONNECTING TRUSS							
SPAN	NUMBER OF BOLTS REQUIRED EACH END	BOLT SIZE	LAG BOLT SIZE	BOLT SPEC	SPACING	SPAN	LOAD DEAD + LIVE PSF	NUMBER OF BOLTS REQUIRED EACH END	REQ'D BOLT SIZE	LAG BOLT SIZE	BOLT SPEC	
				A653 G-185							A653 G-185	
16	2	1/2	1/2	A307	12	20	26	3	1/2	1/2	A307	
16	2	3/8	3/8	A307	10	20	26	3	1/2	1/2	A307	
16	2	3/8	3/8	A307	8	20	26	3	3/8	3/8	A307	
16	2	3/8	3/8	A307	12	20	12	2	3/8	3/8	A307	UPLIFT ONLY
16	2	3/8	3/8	A307	10	20	12	2	3/8	3/8	A307	UPLIFT ONLY
16	2	3/8	3/8	A307	8	20	12	2	3/8	3/8	A307	UPLIFT ONLY
16	2	1/2	1/2	A307	12	24	26	3	1/2	1/2	A307	
16	2	1/2	1/2	A307	10	24	26	3	1/2	1/2	A307	
16	2	3/8	3/8	A307	8	24	26	3	1/2	1/2	A307	
16	2	3/8	3/8	A307	12	24	12	2	1/2	1/2	A307	UPLIFT ONLY
16	2	3/8	3/8	A307	10	24	12	2	3/8	3/8	A307	UPLIFT ONLY
16	2	3/8	3/8	A307	8	24	12	2	3/8	3/8	A307	UPLIFT ONLY
16	2	1/2	1/2	A307	12	28	26	3	5/8	5/8	A307	
16	2	1/2	1/2	A307	10	28	26	3	1/2	1/2	A307	
16	2	3/8	3/8	A307	8	28	26	3	1/2	1/2	A307	
16	2	3/8	3/8	A307	12	28	12	2	1/2	1/2	A307	UPLIFT ONLY
16	2	3/8	3/8	A307	10	28	12	2	1/2	1/2	A307	UPLIFT ONLY
16	2	3/8	3/8	A307	8	28	12	2	3/8	3/8	A307	UPLIFT ONLY
16	2	1/2	1/2	A307	12	32	26	4	1/2	1/2	A307	
16	2	1/2	1/2	A307	10	32	26	4	1/2	1/2	A307	
16	2	1/2	1/2	A307	8	32	26	4	1/2	1/2	A307	
16	2	3/8	3/8	A307	12	32	12	2	1/2	1/2	A307	UPLIFT ONLY
16	2	3/8	3/8	A307	10	32	12	2	1/2	1/2	A307	UPLIFT ONLY
16	2	3/8	3/8	A307	8	32	12	2	3/8	3/8	A307	UPLIFT ONLY
16	3	1/2	1/2	A307	12	36	26	4	5/8	5/8	A307	
16	3	1/2	1/2	A307	10	36	26	4	1/2	1/2	A307	
16	3	3/8	3/8	A307	8	36	26	4	1/2	1/2	A307	
16	3	3/8	3/8	A307	12	36	12	3	1/2	1/2	A307	UPLIFT ONLY
16	3	3/8	3/8	A307	10	36	12	3	3/8	3/8	A307	UPLIFT ONLY
16	3	3/8	3/8	A307	8	36	12	3	3/8	3/8	A307	UPLIFT ONLY
16	3	1/2	1/2	A307	12	40	26	4	5/8	5/8	A307	
16	3	1/2	1/2	A307	10	40	26	4	5/8	5/8	A307	
16	3	3/8	3/8	A307	8	40	26	4	1/2	1/2	A307	
16	3	3/8	3/8	A307	12	40	12	3	1/2	1/2	A307	UPLIFT ONLY
16	3	3/8	3/8	A307	10	40	12	2	1/2	1/2	A307	UPLIFT ONLY
16	3	3/8	3/8	A307	8	40	12	2	1/2	1/2	A307	UPLIFT ONLY
16	4	1/2	1/2	A307	12	50	26	4	3/4	3/4	A307	
16	4	1/2	1/2	A307	10	50	26	4	5/8	5/8	A307	
16	4	3/8	3/8	A307	8	50	26	4	5/8	5/8	A307	
16	4	3/8	3/8	A307	12	50	12	3	1/2	1/2	A307	UPLIFT ONLY
16	4	3/8	3/8	A307	10	50	12	3	1/2	1/2	A307	UPLIFT ONLY
16	4	3/8	3/8	A307	8	50	12	3	1/2	1/2	A307	UPLIFT ONLY
16	4	1/2	1/2	A307	12	60	26	4	3/4	3/4	A307	
16	4	1/2	1/2	A307	10	60	26	4	3/4	3/4	A307	
16	4	1/2	1/2	A307	8	60	26	4	5/8	5/8	A307	
16	4	3/8	3/8	A307	12	60	12	4	1/2	1/2	A307	UPLIFT ONLY
16	4	3/8	3/8	A307	10	60	12	4	1/2	1/2	A307	UPLIFT ONLY
16	4	3/8	3/8	A307	8	60	12	4	3/8	3/8	A307	UPLIFT ONLY

LAG SCREWS				
DIA (IN)	3/8	1/2	5/8	
L (IN)	3.5	4.5	5.5	7

USE ASTM A 653, type G185 FASTENERS (TRIPLE ZINC)
PER 2009 IBC - SECTION 2304.9.5.1 FOR ACQ TREATED WOOD

LAG SCREWS				
DIA (IN)	3/8	1/2	5/8	3/4
L (IN)	3.5	4.5	5.5	6.5

USE ASTM A 653, type G185 FASTENERS (TRIPLE ZINC)
PER 2009 IBC - SECTION 2304.9.5.1 FOR ACQ TREATED WOOD

BAR JOIST TRUSS (SUPPORTS ONE END OF CONNECTION TRUSS)					CONNECTING TRUSS							
SPAN	NUMBER OF BOLTS REQUIRED EACH END	BOLT SIZE	LAG BOLT SIZE	BOLT SPEC	SPACING	SPAN	LOAD	NUMBER OF BOLTS REQUIRED EACH END	REQ'D BOLT SIZE	LAG BOLT SIZE	BOLT SPEC	
				A653 G-185					A653 G-185		A653 G-185	
20	2	1/2	1/2	A307	12	20	26	3	1/2	1/2	A307	
20	2	3/8	3/8	A307	10	20	26	3	1/2	1/2	A307	
20	2	3/8	3/8	A307	8	20	26	3	3/8	3/8	A307	
20	2	3/8	3/8	A307	12	20	12	2	3/8	3/8	A307	UPLIFT ONLY
20	2	3/8	3/8	A307	10	20	12	2	3/8	3/8	A307	UPLIFT ONLY
20	2	3/8	3/8	A307	8	20	12	2	3/8	3/8	A307	UPLIFT ONLY
20	2	1/2	1/2	A307	12	24	26	3	1/2	1/2	A307	
20	2	1/2	1/2	A307	10	24	26	3	1/2	1/2	A307	
20	2	3/8	3/8	A307	8	24	26	3	1/2	1/2	A307	
20	2	3/8	3/8	A307	12	24	12	2	1/2	1/2	A307	UPLIFT ONLY
20	2	3/8	3/8	A307	10	24	12	2	3/8	3/8	A307	UPLIFT ONLY
20	2	3/8	3/8	A307	8	24	12	2	3/8	3/8	A307	UPLIFT ONLY
20	2	1/2	1/2	A307	12	28	26	3	5/8	5/8	A307	
20	2	1/2	1/2	A307	10	28	26	3	1/2	1/2	A307	
20	2	3/8	3/8	A307	8	28	26	3	1/2	1/2	A307	
20	2	3/8	3/8	A307	12	28	12	2	1/2	1/2	A307	UPLIFT ONLY
20	2	3/8	3/8	A307	10	28	12	2	1/2	1/2	A307	UPLIFT ONLY
20	2	3/8	3/8	A307	8	28	12	2	3/8	3/8	A307	UPLIFT ONLY
20	2	1/2	1/2	A307	12	32	26	4	1/2	1/2	A307	
20	2	1/2	1/2	A307	10	32	26	4	1/2	1/2	A307	
20	2	1/2	1/2	A307	8	32	26	4	1/2	1/2	A307	
20	2	3/8	3/8	A307	12	32	12	2	1/2	1/2	A307	UPLIFT ONLY
20	2	3/8	3/8	A307	10	32	12	2	1/2	1/2	A307	UPLIFT ONLY
20	2	3/8	3/8	A307	8	32	12	2	3/8	3/8	A307	UPLIFT ONLY
20	3	1/2	1/2	A307	12	36	26	4	5/8	5/8	A307	
20	3	1/2	1/2	A307	10	36	26	4	1/2	1/2	A307	
20	3	3/8	3/8	A307	8	36	26	4	1/2	1/2	A307	
20	3	3/8	3/8	A307	12	36	12	3	1/2	1/2	A307	UPLIFT ONLY
20	3	3/8	3/8	A307	10	36	12	3	3/8	3/8	A307	UPLIFT ONLY
20	3	3/8	3/8	A307	8	36	12	3	3/8	3/8	A307	UPLIFT ONLY
20	3	1/2	1/2	A307	12	40	26	4	5/8	5/8	A307	
20	3	1/2	1/2	A307	10	40	26	4	5/8	5/8	A307	
20	3	3/8	3/8	A307	8	40	26	4	1/2	1/2	A307	
20	3	3/8	3/8	A307	12	40	12	3	1/2	1/2	A307	UPLIFT ONLY
20	3	3/8	3/8	A307	10	40	12	2	1/2	1/2	A307	UPLIFT ONLY
20	3	3/8	3/8	A307	8	40	12	2	1/2	1/2	A307	UPLIFT ONLY
20	4	1/2	1/2	A307	12	50	26	4	3/4	3/4	A307	
20	4	1/2	1/2	A307	10	50	26	4	5/8	5/8	A307	
20	4	3/8	3/8	A307	8	50	26	4	5/8	5/8	A307	
20	4	3/8	3/8	A307	12	50	12	3	1/2	1/2	A307	UPLIFT ONLY
20	4	3/8	3/8	A307	10	50	12	3	1/2	1/2	A307	UPLIFT ONLY
20	4	3/8	3/8	A307	8	50	12	3	1/2	1/2	A307	UPLIFT ONLY
20	4	1/2	1/2	A307	12	60	26	4	3/4	3/4	A307	
20	4	1/2	1/2	A307	10	60	26	4	3/4	3/4	A307	
20	4	1/2	1/2	A307	8	60	26	4	5/8	5/8	A307	
20	4	3/8	3/8	A307	12	60	12	4	1/2	1/2	A307	UPLIFT ONLY
20	4	3/8	3/8	A307	10	60	12	4	1/2	1/2	A307	UPLIFT ONLY
20	4	3/8	3/8	A307	8	60	12	4	3/8	3/8	A307	UPLIFT ONLY

LAG SCREWS				
DIA (IN)	3/8	1/2	5/8	
L (IN)	3.5	4.5	5.5	7

USE ASTM A 653, type G185 FASTENERS (TRIPLE ZINC)
PER 2009 IRC - SECTION 2304.9.5.1 FOR ACO TREATED WOOD

LAG SCREWS				
DIA (IN)	3/8	1/2	5/8	3/4
L (IN)	3.5	4.5	5.5	6.5

USE ASTM A 653, type G185 FASTENERS (TRIPLE ZINC)
PER 2009 IRC - SECTION 2304.9.5.1 FOR ACO TREATED WOOD

BAR JOIST TRUSS (SUPPORTS ONE END OF CONNECTION TRUSS)					CONNECTING TRUSS							
SPAN	NUMBER OF BOLTS REQUIRED EACH END	BOLT SIZE	LAG BOLT SIZE	BOLT SPEC	SPACING	SPAN	LOAD	NUMBER OF BOLTS REQUIRED EACH END	REQ'D	LAG BOLT SIZE	BOLT SPEC	
				A653					BOLT SIZE		A653	
				G-185								
24	2	1/2	1/2	A307	12	20	26	3	1/2	1/2	A307	
24	2	3/8	3/8	A307	10	20	26	3	1/2	1/2	A307	
24	2	3/8	3/8	A307	8	20	26	3	3/8	3/8	A307	
24	2	3/8	3/8	A307	12	20	12	2	3/8	3/8	A307	UPLIFT ONLY
24	2	3/8	3/8	A307	10	20	12	2	3/8	3/8	A307	UPLIFT ONLY
24	2	3/8	3/8	A307	8	20	12	2	3/8	3/8	A307	UPLIFT ONLY
24	2	1/2	1/2	A307	12	24	26	3	1/2	1/2	A307	
24	2	1/2	1/2	A307	10	24	26	3	1/2	1/2	A307	
24	2	3/8	3/8	A307	8	24	26	3	1/2	1/2	A307	
24	2	3/8	3/8	A307	12	24	12	2	1/2	1/2	A307	UPLIFT ONLY
24	2	3/8	3/8	A307	10	24	12	2	3/8	3/8	A307	UPLIFT ONLY
24	2	3/8	3/8	A307	8	24	12	2	3/8	3/8	A307	UPLIFT ONLY
24	2	1/2	1/2	A307	12	28	26	3	5/8	5/8	A307	
24	2	1/2	1/2	A307	10	28	26	3	1/2	1/2	A307	
24	2	3/8	3/8	A307	8	28	26	3	1/2	1/2	A307	
24	2	3/8	3/8	A307	12	28	12	2	1/2	1/2	A307	UPLIFT ONLY
24	2	3/8	3/8	A307	10	28	12	2	1/2	1/2	A307	UPLIFT ONLY
24	2	3/8	3/8	A307	8	28	12	2	3/8	3/8	A307	UPLIFT ONLY
24	2	1/2	1/2	A307	12	32	26	4	1/2	1/2	A307	
24	2	1/2	1/2	A307	10	32	26	4	1/2	1/2	A307	
24	2	1/2	1/2	A307	8	32	26	4	1/2	1/2	A307	
24	2	3/8	3/8	A307	12	32	12	2	1/2	1/2	A307	UPLIFT ONLY
24	2	3/8	3/8	A307	10	32	12	2	1/2	1/2	A307	UPLIFT ONLY
24	2	3/8	3/8	A307	8	32	12	2	3/8	3/8	A307	UPLIFT ONLY
24	3	1/2	1/2	A307	12	36	26	4	5/8	5/8	A307	
24	3	1/2	1/2	A307	10	36	26	4	1/2	1/2	A307	
24	3	3/8	3/8	A307	8	36	26	4	1/2	1/2	A307	
24	3	3/8	3/8	A307	12	36	12	3	1/2	1/2	A307	UPLIFT ONLY
24	3	3/8	3/8	A307	10	36	12	3	3/8	3/8	A307	UPLIFT ONLY
24	3	3/8	3/8	A307	8	36	12	3	3/8	3/8	A307	UPLIFT ONLY
24	3	1/2	1/2	A307	12	40	26	4	5/8	5/8	A307	
24	3	1/2	1/2	A307	10	40	26	4	5/8	5/8	A307	
24	3	3/8	3/8	A307	8	40	26	4	1/2	1/2	A307	
24	3	3/8	3/8	A307	12	40	12	3	1/2	1/2	A307	UPLIFT ONLY
24	3	3/8	3/8	A307	10	40	12	2	1/2	1/2	A307	UPLIFT ONLY
24	3	3/8	3/8	A307	8	40	12	2	1/2	1/2	A307	UPLIFT ONLY
24	4	1/2	1/2	A307	12	50	26	4	3/4	3/4	A307	
24	4	1/2	1/2	A307	10	50	26	4	5/8	5/8	A307	
24	4	3/8	3/8	A307	8	50	26	4	5/8	5/8	A307	
24	4	3/8	3/8	A307	12	50	12	3	1/2	1/2	A307	UPLIFT ONLY
24	4	3/8	3/8	A307	10	50	12	3	1/2	1/2	A307	UPLIFT ONLY
24	4	3/8	3/8	A307	8	50	12	3	1/2	1/2	A307	UPLIFT ONLY
24	4	1/2	1/2	A307	12	60	26	4	3/4	3/4	A307	
24	4	1/2	1/2	A307	10	60	26	4	3/4	3/4	A307	
24	4	1/2	1/2	A307	8	60	26	4	5/8	5/8	A307	
24	4	3/8	3/8	A307	12	60	12	4	1/2	1/2	A307	UPLIFT ONLY
24	4	3/8	3/8	A307	10	60	12	4	1/2	1/2	A307	UPLIFT ONLY
24	4	3/8	3/8	A307	8	60	12	4	3/8	3/8	A307	UPLIFT ONLY

LAG SCREWS				
DIA (IN)	3/8	1/2	5/8	
L (IN)	3.5	4.5	5.5	7

USE ASTM A 653, type G185 FASTENERS (TRIPLE ZINC)
PER 2009 IBC - SECTION 2304.9.5.1 FOR ACQ TREATED WOOD

LAG SCREWS				
DIA (IN)	3/8	1/2	5/8	3/4
L (IN)	3.5	4.5	5.5	6.5

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BAR JOIST - FLOOR LOADING							
SPACING	SPAN	LOAD LL + DL (PSF)	NUMBER OF BOLTS REQUIRED EACH END	REQ'D	LAG BOLT	BOLT SPEC	
				BOLT SIZE	SIZE	A653 G-185	
12	20	50	3	3/4	3/4	A307	
10	20	50	3	5/8	5/8	A307	
4	20	50	3	3/8	3/8	A307	
12	20	60	3	3/4	3/4	A307	UPLIFT ONI
10	20	60	3	3/4	3/4	A307	UPLIFT ONI
4	20	60	3	1/2	1/2	A307	UPLIFT ONI
12	24	50	3	3/4	3/4	A307	
10	24	50	3	3/4	3/4	A307	
4	24	50	3	1/2	1/2	A307	
12	24	60	4	3/4	3/4	A307	UPLIFT ONI
10	24	60	4	5/8	5/8	A307	UPLIFT ONI
4	24	60	4	3/8	3/8	A307	UPLIFT ONI
12	28	50	4	3/4	3/4	A307	
10	28	50	4	5/8	5/8	A307	
4	28	50	4	3/8	3/8	A307	
12	28	60	4	3/4	3/4	A307	UPLIFT ONI
10	28	60	4	3/4	3/4	A307	UPLIFT ONI
4	28	60	4	1/2	1/2	A307	UPLIFT ONI
12	32	50	4	3/4	3/4	A307	
10	32	50	4	3/4	3/4	A307	
4	32	50	4	1/2	1/2	A307	
12	32	60	6	3/4	3/4	A307	UPLIFT ONI
10	32	60	6	5/8	5/8	A307	UPLIFT ONI
4	32	60	6	3/8	3/8	A307	UPLIFT ONI
12	36	50	6	5/8	5/8	A307	
10	36	50	6	5/8	5/8	A307	
4	36	50	6	3/8	3/8	A307	
12	36	60	6	3/4	3/4	A307	UPLIFT ONI
10	36	60	6	5/8	5/8	A307	UPLIFT ONI
4	36	60	6	3/8	3/8	A307	UPLIFT ONI
12	40	50	6	3/4	3/4	A307	
10	40	50	6	5/8	5/8	A307	
4	40	50	6	3/8	3/8	A307	
12	40	60	6	3/4	3/4	A307	UPLIFT ONI
10	40	60	6	3/4	3/4	A307	UPLIFT ONI
4	40	60	6	1/2	1/2	A307	UPLIFT ONI
12	50	50	6	3/4	3/4	A307	
10	50	50	6	3/4	3/4	A307	
4	50	50	6	1/2	1/2	A307	
12	50	60	8	3/4	3/4	A307	UPLIFT ONI
10	50	60	8	5/8	5/8	A307	UPLIFT ONI
4	50	60	8	3/8	3/8	A307	UPLIFT ONI
12	60	50	8	3/4	3/4	A307	
10	60	50	8	5/8	5/8	A307	
4	60	50	8	3/8	3/8	A307	
12	60	60	10	3/4	3/4	A307	UPLIFT ONI
10	60	60	10	5/8	5/8	A307	UPLIFT ONI
4	60	60	10	3/8	3/8	A307	UPLIFT ONI

LAG SCREWS				
DIA (IN)	3/8	1/2	5/8	3/4
L (IN)	3.5	4.5	5.5	6.5

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PER 2009 IBC - SECTION 2304.9.5.1 FOR ACQ TREATED WOOD