

Doug Fir N2 Lumber		Nailed Subfloor				40 + 15 Loading			
Joist Depth	IBS Rows	5/8" D.FIR PLYWOOD SUBFLOOR				3/4" D.FIR PLYWOOD SUBFLOOR			
		12" oc.	16" oc.	19.2" oc.	24" oc.	12" oc.	16" oc.	19.2" oc.	24" oc.
2x8	1 Row	13' - 9"	12' - 4"	11' - 5"	-	13' - 11"	12' - 5"	11' - 6"	10' - 6"
	Twin Rows	13' - 10"	12' - 5"	11' - 6"	-	14' - 0"	12' - 6"	11' - 7"	10' - 7"
2x10	1 Row	17' - 0"	15' - 1"	13' - 9"	-	17' - 5"	15' - 3"	13' - 10"	12' - 5"
	Twin Rows	17' - 8"	15' - 2"	13' - 9"	-	17' - 11"	15' - 4"	13' - 10"	12' - 5"
2x12	1 Row	20' - 2"	18' - 4"	16' - 8"	-	20' - 9"	18' - 6"	16' - 9"	14' - 10"
	Twin Rows	21' - 4"	18' - 5"	16' - 8"	-	21' - 9"	18' - 8"	16' - 10"	14' - 11"

Doug Fir N2 Lumber		Nailed Subfloor				40 + 30 Loading			
Joist Depth	IBS Rows	5/8" D.FIR PLYWOOD SUBFLOOR				3/4" D.FIR PLYWOOD SUBFLOOR			
		12" oc.	16" oc.	19.2" oc.	24" oc.	12" oc.	16" oc.	19.2" oc.	24" oc.
2x8	1 Row	13' - 5"	11' - 10"	10' - 9"	-	13' - 7"	11' - 11"	10' - 10"	9' - 9"
	Twin Rows	13' - 7"	11' - 10"	10' - 9"	-	13' - 9"	11' - 11"	10' - 10"	9' - 10"
2x10	1 Row	15' - 5"	13' - 3"	12' - 1"	-	15' - 7"	13' - 4"	12' - 1"	10' - 11"
	Twin Rows	15' - 6"	13' - 3"	12' - 1"	-	15' - 8"	13' - 5"	12' - 2"	11' - 0"
2x12	1 Row	18' - 8"	16' - 1"	14' - 8"	-	18' - 11"	16' - 2"	14' - 9"	13' - 2"
	Twin Rows	18' - 10"	16' - 2"	14' - 8"	-	19' - 1"	16' - 4"	14' - 10"	13' - 2"

Doug Fir N2 Lumber		Nailed & Glued Subfloor				40 + 15 Loading			
Joist Depth	IBS Rows	5/8" D.FIR PLYWOOD SUBFLOOR				3/4" D.FIR PLYWOOD SUBFLOOR			
		12" oc.	16" oc.	19.2" oc.	24" oc.	12" oc.	16" oc.	19.2" oc.	24" oc.
2x8	1 Row	15' - 1"	13' - 11"	13' - 3"	-	15' - 10"	14' - 8"	13' - 11"	13' - 1"
	Twin Rows	15' - 2"	14' - 0"	13' - 4"	-	15' - 11"	14' - 9"	14' - 0"	13' - 1"
2x10	1 Row	17' - 10"	16' - 6"	15' - 3"	-	18' - 9"	17' - 2"	15' - 11"	14' - 5"
	Twin Rows	18' - 10"	16' - 7"	15' - 4"	-	19' - 7"	17' - 3"	15' - 11"	14' - 6"
2x12	1 Row	21' - 2"	19' - 7"	18' - 2"	-	22' - 2"	20' - 4"	18' - 10"	17' - 2"
	Twin Rows	22' - 4"	19' - 8"	18' - 2"	-	23' - 2"	20' - 5"	18' - 11"	17' - 5"

Doug Fir N2 Lumber		Nailed & Glued Subfloor				40 + 30 Loading			
Joist Depth	IBS Rows	5/8" D.FIR PLYWOOD SUBFLOOR				3/4" D.FIR PLYWOOD SUBFLOOR			
		12" oc.	16" oc.	19.2" oc.	24" oc.	12" oc.	16" oc.	19.2" oc.	24" oc.
2x8	1 Row	14' - 10"	13' - 3"	12' - 4"	-	15' - 6"	13' - 10"	12' - 10"	11' - 10"
	Twin Rows	14' - 11"	13' - 4"	12' - 4"	-	15' - 8"	13' - 11"	12' - 10"	11' - 8"
2x10	1 Row	16' - 6"	14' - 7"	13' - 6"	-	17' - 2"	15' - 2"	14' - 1"	12' - 10"
	Twin Rows	16' - 7"	14' - 8"	13' - 7"	-	17' - 3"	15' - 3"	14' - 1"	12' - 10"
2x12	1 Row	19' - 8"	17' - 4"	16' - 1"	-	20' - 4"	18' - 0"	16' - 10"	15' - 3"
	Twin Rows	19' - 9"	17' - 6"	16' - 2"	-	20' - 6"	18' - 2"	17' - 0"	15' - 3"

Notes:

- All spans assume the use of a minimum 1x4 strap under each row of IBS 2000 connectors or 1/2" DAP drywall ceiling.
- Spans shown are for use with Douglas Fir plywood subfloor. For OSB subfloor reduce spans by 2", for softwood plywood reduce span by 4".
- One row of IBS 2000® is installed at the center line of the span.
- Twin rows are installed 12" either side of the floor center line.