



onCENTER

BlueLinX Engineered Products

INSTALLATION GUIDE

Residential Floor & Roof Systems

ENGINEERED LUMBER

BlueLinX

STORAGE & HANDLING

Protected from moisture and weather. Keep covered with factory wrap until time of use. Store on dry level ground using stacked support blocks 10' on-center to loads below of the ground and to allow air circulation.

DO NOT store BLU joists flat. onCENTER™™, and rim board should be stacked flat.

DO NOT lift BLU joists by top flange with forklift.

DO NOT lift BLU joists flatwise.

SAFETY PRECAUTIONS

Use safety glasses, gloves, hard hats, and other personal protective equipment when handling and installing onCENTER™™ engineered lumber. Contact BlueLinX for MSDS information.

DO NOT walk on onCENTER™™ engineered lumber that is lying flat.

DO NOT stack building materials on unbraced joists. Stack only over bearing walls or main beams.

DO NOT use damaged products.

BRACING REQUIREMENTS

DO NOT allow workers or loads on engineered lumber joists until properly installed and braced.

- Joists are unstable until properly attached and braced laterally. Failure to provide stability can result in serious accidents.
- Restrain joists and beams from rotation at the end supports by use of blocking, girders, a bracing, or continuous closure (rim board, rim joist or structural panel).
- Install all fasteners in each joint, beam, hanger, blocking, panel, a bracing, or continuous closure as it is set.
- Lateral restraint, such as a braced end wall or existing deck, must be established parallel to the first joist in a run. This can also be accomplished by a temporary or permanent deck sheathing fastened to the full length of the first 4' of joists in the run.
- Rows of joists running at right angles to the joists and spaced not more than 10' on-center must extend to the established lateral restraint. Bracing should be a minimum of 1" x 4" all along the top face of the joist face with a minimum of two 8d nails (10d if bracing is 2x4). Ends of bracing should overlap at least two joists.
- Ends of gables require temporary bracing on both the top and bottom flanges.
- Sheathing must be completely attached to each BLU joist before additional loads can be placed on the system.
- Joist flanges must remain straight within 1/8" of true alignment.

INSTALLATION NOTES

- BlueLinX onCENTER™™ products must be protected from weather and used only in covered, dry-use conditions (moisture content of engineered lumber must not be less than 16%).
- Engineered lumber must not be installed in direct contact with masonry or concrete.
- BLU joists must be supported by the bottom flange on walls or beams or in hangers. They must not be supported by the top flange, by a non-structural ridge cap, or by toe-nailing into a beam or ledger.
- For BLU joists, minimum end bearing lengths is 3x1", minimum intermediate bearing length is 3x1".
- When nailing to the side face of BLU joists, maintain spacing within the following ranges:

Single Span Spacing	Multiple Spans							
Joist Depth	12" OC	16" OC	19" OC	24" OC	12" OC	16" OC	19" OC	24" OC
BLU 40	19" 0"	19" 0"	19" 0"	14" 0"	31" 0"	17" 11"	19" 0"	14" 0"
BLU 400	11" 0"	21" 0"	19" 0"	18" 0"	23" 0"	20" 0"	18" 0"	16" 0"
11" 0"	24" 0"	22" 0"	20" 0"	18" 0"	21" 11"	22" 0"	20" 0"	18" 0"
18" 0"	28" 11"	24" 0"	22" 0"	19" 0"	27" 11"	24" 0"	22" 0"	19" 0"
11" 0"	32" 0"	29" 0"	19" 0"	18" 0"	34" 0"	22" 0"	20" 0"	18" 0"
11" 0"	25" 0"	23" 0"	22" 0"	20" 0"	29" 0"	25" 0"	24" 0"	19" 0"
18" 0"	28" 0"	26" 0"	24" 0"	22" 0"	31" 0"	28" 0"	24" 0"	19" 0"
11" 0"	31" 0"	28" 0"	26" 11"	24" 0"	36" 0"	29" 0"	24" 0"	19" 0"
11" 0"	24" 11"	22" 0"	21" 0"	19" 0"	27" 11"	24" 0"	22" 0"	20" 0"
11" 0"	28" 0"	25" 0"	24" 0"	22" 0"	31" 0"	28" 0"	26" 0"	23" 11"
11" 0"	31" 0"	28" 0"	26" 11"	24" 0"	34" 0"	31" 0"	29" 0"	25" 11"
11" 0"	34" 0"	31" 0"	29" 0"	27" 0"	37" 0"	33" 0"	30" 0"	27" 0"
11" 0"	37" 0"	34" 0"	31" 0"	29" 0"	40" 0"	36" 0"	33" 0"	30" 0"
11" 0"	40" 0"	36" 0"	34" 0"	31" 0"	43" 0"	39" 0"	36" 0"	33" 0"
11" 0"	43" 0"	39" 0"	36" 0"	34" 0"	46" 0"	42" 0"	39" 0"	36" 0"
11" 0"	46" 0"	42" 0"	39" 0"	36" 0"	49" 0"	45" 0"	42" 0"	39" 0"
11" 0"	49" 0"	45" 0"	42" 0"	39" 0"	52" 0"	48" 0"	45" 0"	42" 0"
11" 0"	52" 0"	48" 0"	45" 0"	42" 0"	55" 0"	51" 0"	48" 0"	45" 0"
11" 0"	55" 0"	51" 0"	48" 0"	45" 0"	58" 0"	54" 0"	51" 0"	48" 0"
11" 0"	58" 0"	54" 0"	51" 0"	48" 0"	61" 0"	57" 0"	54" 0"	51" 0"
11" 0"	61" 0"	57" 0"	54" 0"	51" 0"	64" 0"	60" 0"	57" 0"	54" 0"
11" 0"	64" 0"	60" 0"	57" 0"	54" 0"	67" 0"	63" 0"	60" 0"	57" 0"
11" 0"	67" 0"	63" 0"	60" 0"	57" 0"	70" 0"	66" 0"	63" 0"	60" 0"
11" 0"	70" 0"	66" 0"	63" 0"	60" 0"	73" 0"	69" 0"	66" 0"	63" 0"
11" 0"	73" 0"	69" 0"	66" 0"	63" 0"	76" 0"	72" 0"	69" 0"	66" 0"
11" 0"	76" 0"	72" 0"	69" 0"	66" 0"	79" 0"	75" 0"	72" 0"	69" 0"
11" 0"	79" 0"	75" 0"	72" 0"	69" 0"	82" 0"	78" 0"	75" 0"	72" 0"
11" 0"	82" 0"	78" 0"	75" 0"	72" 0"	85" 0"	81" 0"	78" 0"	75" 0"
11" 0"	85" 0"	81" 0"	78" 0"	75" 0"	88" 0"	84" 0"	81" 0"	78" 0"
11" 0"	88" 0"	84" 0"	81" 0"	78" 0"	91" 0"	87" 0"	84" 0"	81" 0"
11" 0"	91" 0"	87" 0"	84" 0"	81" 0"	94" 0"	90" 0"	87" 0"	84" 0"
11" 0"	94" 0"	90" 0"	87" 0"	84" 0"	97" 0"	93" 0"	90" 0"	87" 0"
11" 0"	97" 0"	93" 0"	90" 0"	87" 0"	100" 0"	96" 0"	93" 0"	90" 0"
11" 0"	100" 0"	96" 0"	93" 0"	90" 0"	103" 0"	99" 0"	96" 0"	93" 0"
11" 0"	103" 0"	99" 0"	96" 0"	93" 0"	106" 0"	102" 0"	99" 0"	96" 0"
11" 0"	106" 0"	102" 0"	99" 0"	96" 0"	109" 0"	105" 0"	102" 0"	99" 0"
11" 0"	109" 0"	105" 0"	102" 0"	99" 0"	112" 0"	108" 0"	105" 0"	102" 0"
11" 0"	112" 0"	108" 0"	105" 0"	102" 0"	115" 0"	111" 0"	108" 0"	105" 0"
11" 0"	115" 0"	111" 0"	108" 0"	105" 0"	118" 0"	114" 0"	111" 0"	108" 0"
11" 0"	118" 0"	114" 0"	111" 0"	108" 0"	121" 0"	117" 0"	114" 0"	111" 0"
11" 0"	121" 0"	117" 0"	114" 0"	111" 0"	124" 0"	120" 0"	117" 0"	114" 0"
11" 0"	124" 0"	120" 0"	117" 0"	114" 0"	127" 0"	123" 0"	120" 0"	117" 0"
11" 0"	127" 0"	123" 0"	120" 0"	117" 0"	130" 0"	126" 0"	123" 0"	120" 0"
11" 0"	130" 0"	126" 0"	123" 0"	120" 0"	133" 0"	129" 0"	126" 0"	123" 0"
11" 0"	133" 0"	129" 0"	126" 0"	123" 0"	136" 0"	132" 0"	129" 0"	126" 0"
11" 0"	136" 0"	132" 0"	129" 0"	126" 0"	139" 0"	135" 0"	132" 0"	129" 0"
11" 0"	139" 0"	135" 0"	132" 0"	129" 0"	142" 0"	138" 0"	135" 0"	132" 0"
11" 0"	142" 0"	138" 0"	135" 0"	132" 0"	145" 0"	141" 0"	138" 0"	135" 0"
11" 0"	145" 0"	141" 0"	138" 0"	135" 0"	148" 0"	144" 0"	141" 0"	138" 0"
11" 0"	148" 0"	144" 0"	141" 0"	138" 0"	151" 0"	147" 0"	144" 0"	141" 0"
11" 0"	151" 0"	147" 0"	144" 0"	141" 0"	154" 0"	150" 0"	147" 0"	144" 0"
11" 0"	154" 0"	150" 0"	147" 0"	144" 0"	157" 0"	153" 0"	150" 0"	147" 0"
11" 0"	157" 0"	153" 0"	150" 0"	147" 0"	160" 0"	156" 0"	153" 0"	150" 0"
11" 0"	160" 0"	156" 0"	153" 0"	150" 0"	163" 0"	159" 0"	156" 0"	153" 0"
11" 0"	163" 0"	159" 0"	156" 0"	153" 0"	166" 0"	162" 0"	159" 0"	156" 0"
11" 0"	166" 0"	162" 0"	159" 0"	156" 0"	169" 0"	165" 0"	162" 0"	159" 0"
11" 0"	169" 0"	165" 0"	162" 0"	159" 0"	172" 0"	168" 0"	165" 0"	162" 0"
11" 0"	172" 0"	168" 0"	165" 0"	162" 0"	175" 0"	171" 0"	168" 0"	165" 0"
11" 0"	175" 0"	171" 0"	168" 0"	165" 0"	178" 0"	174" 0"	171" 0"	168" 0"
11" 0"	178" 0"	174" 0"	171" 0"	168" 0"	181" 0"	177" 0"	174" 0"	171" 0"
11" 0"	181" 0"	177" 0"	174" 0"	171" 0"	184" 0"	180" 0"	177" 0"	174" 0"
11" 0"	184" 0"	180" 0"	177" 0"	174" 0"	187" 0"	183" 0"	180" 0"	177" 0"
11" 0"	187" 0"	183" 0"	180" 0"	177" 0"	190" 0"	186" 0"	183" 0"	180" 0"
11" 0"	190" 0"	186" 0"	183" 0"	180" 0"	193" 0"	189" 0"	186" 0"	183" 0"
11" 0"	193" 0"	189" 0"	186" 0"	183" 0"	196" 0"	192" 0"	189" 0"	186" 0"
11" 0"	196" 0"	192" 0"	189" 0"	186" 0"	199" 0"	195" 0"	192" 0"	189" 0"
11" 0"	199" 0"	195" 0"	192" 0"	189" 0"	202" 0"	198" 0"	195" 0"	192" 0"
11" 0"	202" 0"	198" 0"	195" 0"	192" 0"	205" 0"	201" 0"	198" 0"	195" 0"
11" 0"	205" 0"	201" 0"	198" 0"	195" 0"	208" 0"	204" 0"	201" 0"	198" 0"
11" 0"	208" 0"	204" 0"	201" 0"	198" 0"	211" 0"	207" 0"	204" 0"	201" 0"
11" 0"	211" 0"	207" 0"	204" 0"	201" 0"	214" 0"	210" 0"	207" 0"	204" 0"
11" 0"	214" 0"	210" 0"	207" 0"	204" 0"	217" 0"	213" 0"	210" 0"	207" 0"
11" 0"	217" 0"	213" 0"	210" 0"	207" 0"	220" 0"	216" 0"	213" 0"	210" 0"
11" 0"	220" 0"	216" 0"	213" 0"	210" 0"	223" 0"	219" 0"	216" 0"	213" 0"
11" 0"	223" 0"	219" 0"	216" 0"	213" 0"	226" 0"	222" 0"	219" 0"	216" 0"
11" 0"	226" 0"	222" 0"	219" 0"	216" 0"	229" 0"	225" 0"	222" 0"	219" 0"
11" 0"	229" 0"	225" 0"	222" 0"	219" 0"	232" 0"	228" 0"	225" 0"	222" 0"
11" 0"	232" 0"	228" 0"	225" 0"	222" 0"	235" 0"	231" 0"	228" 0"	225" 0"
11" 0"	235" 0"	231" 0"	228" 0"	225" 0"	238" 0"	234" 0"	231" 0"	228" 0"
11" 0"	238" 0"	234" 0"	231" 0"	228" 0"	241" 0"	237" 0"	234" 0"	231" 0"
11" 0"	241" 0"	237" 0"	234" 0"	231" 0"	244" 0"	240" 0"	237" 0"	234" 0"
11" 0"	244" 0"	240" 0"	237" 0"	234" 0"	247" 0"	243" 0"	240" 0"	237" 0"
11" 0"	247" 0"	243" 0"	240" 0"	237" 0"	250" 0"	246" 0"	243" 0"	240" 0"
11" 0"	250" 0"	246" 0"	243" 0"	240" 0"	253" 0"	249" 0"	246" 0"	243" 0"
11" 0"	253" 0"	249" 0"	246" 0"	243" 0"	256" 0"	252" 0"	249" 0"	246" 0"
11" 0"	256" 0"	252" 0"	249" 0"	246" 0"	259" 0"	255" 0"	252" 0"	249" 0"
11" 0"	259" 0"	255" 0"	252" 0"	249" 0"	262" 0"	258" 0"	255" 0"	252" 0"
11" 0"	262" 0"	258" 0"	255" 0"	252" 0"	265" 0"	261" 0"	258" 0"	255" 0"
11" 0"	265" 0"	261" 0"	258" 0"	255" 0"	268" 0"	264" 0"	261" 0"	258" 0"
11" 0"	268" 0"	264" 0"	261" 0"	258" 0"	271" 0"	267" 0"	264" 0"	261" 0"
11" 0"	271" 0"	267" 0"	264" 0"	261" 0"	274" 0"	270" 0"	267" 0"	264" 0"
11" 0"	274" 0"	270" 0"	267" 0"	264" 0"	277" 0"	273" 0"	270" 0"	267" 0"
11" 0"	277" 0"	273" 0"	270" 0"	267" 0"	280" 0"	276" 0"	273" 0"	270" 0"
11" 0"	280" 0"	276" 0"	273" 0"	270" 0"	283" 0"	279" 0"	276" 0"	273" 0"
11" 0"	283" 0"	279" 0"	276" 0"	273" 0"	286" 0"	282" 0"	279" 0"	276" 0"
11" 0"	286" 0"	282" 0"	279" 0"	276" 0"	289" 0"	285" 0"	282" 0"	279" 0"
11" 0"	289" 0"	285" 0"	282" 0"	279" 0"	292" 0"	288" 0"	285" 0"	282" 0"
11" 0"	292" 0"	288" 0"	285" 0"	282" 0"	295" 0"	291" 0"	288" 0"	285" 0"
11" 0"	295" 0"	291" 0"	288" 0"	285" 0"	298" 0"	294" 0"	291" 0"	288" 0"
11" 0"	298" 0"	294" 0"	291" 0"	288" 0"	301" 0"	297" 0"	294" 0"	291" 0"
11" 0"	301" 0"	297" 0"</						



ALMACENAMIENTO Y MANEJO
PRECAUCIONES DE SEGURIDAD
REQUISITOS DE REFORZAMIENTO

NOTAS DE INSTALACIÓN
PRECAUCIONES DE LA INSTALACIÓN

50 PSF carga viva + 10 PSF carga muerta (L480)
Distancias máximas de las viguetas

onCENTER SISTEMAS DE MARCOS

CONEXIÓN EN REFORZAMIENTO DE EXTREMO
BLOQUES ABSORBENTES Y BORDO MARGINAL
VIGUETA DE BORDO BLU O PROMERA DE VIGUETA
CONECCIÓN DE BORDERA A TABLA DE BORDO
CONECCIÓN DE BORDERA A TABLA DE BORDO

PANEL DE BLOQUEO USADO PARA REFORZAR
CORTE RESEALADO DE VIGUETA
BLOQUEO DEL INTERIOR DEL PANEL
BLOQUES ABSORBENTES EN SOPORTE INTERIOR
CONEXIÓN DE VIGUETA DOBLE CON RELLENO

ABERTURA DE PISO, CONCRETOS MOLDADOS EN LA PARTE SUPERIOR
ABERTURA DE PISO, CONCRETOS MOLDADOS SOBRE LA CARA
TRAVESADO DE ESQUELETA LA CONEXIÓN DE VIGUETA
CONEXIÓN VIGUETA A VIGA

CONEXIÓN VIGUETA A VIGA, ESCALÓN
CONEXIÓN VIGUETA A VIGA, ESCALÓN
RIGIDIZADORES DE SOPORTE
BLOQUES ABSORBENTES EN CARGAS CONCENTRADAS
RIGIDIZADORES DE ALMA
POTENCIADORES PISO DE REFORZAMIENTO

VLADIZO NO REFORZADO
VLADIZO REFORZADO
VLADIZO REFORZADO
VLADIZO REFORZADO
VLADIZO REFORZADO
VLADIZO, CADO

SEPARACIÓN DE VIGUETAS DEBAJO DEL MURO CON INSTALACIÓN DE PLOMERA
SEPARACIÓN DE VIGUETAS DEBAJO DE LOS ACCESORIOS DE PLOMERA
FACTORES DE TECHO DE PENDIENTE Y AUMENTA LA PLOMADA CORTE
EXTREMO SUPERIOR, SOPORTE EN EL MURO
SOPORTE INTERMEDIO
CORTE DE PISO DE PLANO
CORTE DE PISO DE PLANO

ABERTURA DE TECHO, CONCRETOS MOLDADOS SOBRE LA CARA
RIGIDIZADORES DE SOPORTE CON CORTE RESEALADO
EXTENSIONES DE SALENTESPRONALES
SALENTE PARALELA LA VIGUETA
BLOQUEO DE TECHO CON VENTILACIÓN PERMITIDA

AGUJEROS
DETALLES DE SOPORTE PARA onCENTER LVL
SOPORTE EN PARED
SOPORTE EN LA PARED DE CONCRETO
CONEXIÓN DE VIGA A VIGA
SOPORTE EN LA COLUMNA
VIGA-COLUMNA DE REFORZADO LATERAL
SOPORTE PARA DENTE DE PUERDA VENTANA
SOPORTE PARA LINEAS DEL EXTREMO SUPERIOR
SOPORTE PARA LINEAS DEL EXTREMO INFERIOR
MUESA / CORTE DE ASIENTO

AGUJEROS
DETALLES DE SOPORTE PARA onCENTER LVL
SOPORTE EN PARED
SOPORTE EN LA PARED DE CONCRETO
CONEXIÓN DE VIGA A VIGA
SOPORTE EN LA COLUMNA
VIGA-COLUMNA DE REFORZADO LATERAL
SOPORTE PARA DENTE DE PUERDA VENTANA
SOPORTE PARA LINEAS DEL EXTREMO SUPERIOR
SOPORTE PARA LINEAS DEL EXTREMO INFERIOR
MUESA / CORTE DE ASIENTO

REQUISITOS MÍNIMOS PARA LA CONEXIÓN DE MÚLTIPLES PIEZAS DE LVL
AGUJEROS HORIZONTALES PERMITIDOS EN LVL ONCENTER

AGUJEROS HORIZONTALES PERMITIDOS EN LVL ONCENTER
TAMAJOS DE AGUJEROS PERMITIDOS
CONEXIONES

onCENTER BlueLinX Engineered Products logo and contact information.