

THE BRADWELL CABIN - ASSEMBLY GUIDE WLS/INS45

STEP 1: UNPACKING CABIN - UTILITY KNIFE

UNPACK ALL COMPONENTS FROM YOUR SUPPLIED CABIN PACK(s) AND PLACE EACH INDIVIDUAL COMPONENT IN THE CORRECT ORDER USING THE SUPPLIED CONSTRUCT DIAGRAM AND PARTS LIST AS A GUIDE. ENSURE ALL COMPONENTS ARE PRESENT AND IN THE CORRECT POSITION BEFORE BEGINNING ASSEMBLY.

EACH LOG INTERLOCKS IN A STAGGERED PATTERN.

NOTE SOME LOGS FEATURE ADDITIONAL FULL NOTCHES & HALF NOTCHES.

BEFORE SECURING, ENSURE THAT THE LOGS ARE FITTED PROPERLY IN THEIR RESPECTIVE TONGUE AND GROOVES, GENTLY TAPPING DOWN WITH A MALLET. SEE DETAIL A1 & A2.

TOP TIP: USE PACKING MATERIALS TO PROTECT WHEN TAPPING LOGS INTO PLACE.





DETAIL A1



DETAIL A2



STEP 2 - DOUBLE DOOR ASSEMBLY - SCREWDRIVER/RUBBER MALLET

FOR CABINS WITH DOUBLE DOORS, BUILD UP DOOR FRAME USING THE FOUR DOOR COMPONENTS PROVIDED. REMOVE SUPPLIED KEY. THIS IS USUALLY STAPLED OVER KEY HOLE.

ARRANGE THE DOOR FRAMING ONTO A FIRM AND LEVEL SURFACE, WITH HINGES TO THE GROUND. SLOT THE DOOR SILL (BASE) THEN THE DOOR HEAD INTO PLACE. SECURE THE 4 SECTIONS TOGETHER THROUGH THE JOINTS USING 1X S60 PER CORNER. SEE DETAIL B.

NOTE: HOLES FOR FRAMING ARE PRE-DRILLED IN THE FACTORY. NOTE: THIS IMAGE IS FOR ILLUSTRATIVE PURPOSES AND DOOR STYLE MAY DIFFER FROM YOUR SUPPLIED PRODUCT.





STEP 3: LAY DOWN TANALISED BEARERS - MEASURING TAPE

REFER TO THE FLOOR PLAN OF YOUR CONSTRUCT DIAGRAM, POSITION THE TANALISED BEARERS ON PREPARED BASE. POSITION ANGLE CUT TANALISED BEARERS AS SHOWN. USE SPACERS PROVIDED. SPREAD OUT THE REMAINING TANALISED BEARERS EQUALLY AT APPROX. 400mm CENTRES. SEE DETAIL C FOR ORIENTATION.









DETAIL D2



DETAIL D3

STEP 4: BEGIN BUILDING WALLS - DRILL / SCREWDRIVER / RUBBER MALLET / SPIRIT LEVEL

PLACE 1ST LAYER OF LOGS ON THE EDGES OF THE BEARERS. ENSURE HALF LOGS ARE PUT DOWN FIRST. SEE CONSTRUCT DIAGRAM FOR BUILD ORDER.

MEASURE TO CHECK THE FLOOR IS SQUARE BY MEASURING THE POINTS SHOWN. IF ALL MEASUREMENTS ARE THE EQUAL, THEN YOUR BUILDING IS SQUARE. IF NOT, MANUALLY ADJUST UNTIL BOTH MEASUREMENTS ARE EQUAL.

SCREW LOGS INTO TANALISED BEARERS USING 3X S80 PER LOG. (1X S80 IN CENTER, 1X S80 PER END NOTCH) FOR FIXING THROUGH NOTCHES, SEE DETAIL D1. FOR FIXING THROUGH HALF LOG, SEE DETAILS D2 & D3.

CHECK THAT FLOOR IS LEVEL USING A SPIRIT LEVEL.





STEP 5: SECURING FLOOR - HAMMER / MEASURING TAPE / WOODSAW

START TO LAY THE FLOORBOARDS. THERE SHOULD BE A 2.5mm GAP BETWEEN THE EDGE OF THE FLOORBOARDS AND THE OUTER LOGS TO ALLOW FOR EXPANSION AND CONTRACTION. SEE DETAIL E.

NAIL THE FLOORBOARDS TO THE TANALISED BEARERS BELOW WITH 2X BA40 EVENLY SPACED PER FLOORBOARD PER TANALISED BEARER.

ANGLE CUT THE FLOOR BOARDS. MEASURE FROM INSIDE OF DOOR LOGS.

NOTE: DO NOT CUT THROUGH TANALISED BEARERS.





STEP 6: CONTINUE TO BUILD WALLS - RUBBER MALLET

USING CONSTRUCT DIGRAM AS A GUIDE, BEGIN TO BUILD UP THE WALLS BY INTERLOCKING THE LOGS LAYER BY LAYER UNTIL 3 LOGS HIGH.





STEP 7: INSTALL DOORS & WINDOWS - SCREWDRIVER

TAKE THE ASSEMBLED DOORS AND FRAME AND SLIDE OVER THE LOGS UNTIL FULLY INSERTED. POSITION CENTRALLY WITHIN OPENING. THIS WILL LEAVE A GAP EITHER SIDE FOR SETTLING. SEE IMAGE F1.

NOTE: DOORS ARE VERY HEAVY, PLEASE TAKE CARE WHEN LIFTING INTO PLACE.

FIX SUPPLIED DOOR HANDLE TO ENABLE ACCESS TO THE CABIN. SEE DETAIL F2.

CONTINUE ADDING MORE LAYERS OF LOGS UNTIL YOU REACH 3 LOGS PAST WINDOW HEIGHT, BEFORE SLOTTING THE WINDOWS INTO POSITION. SEE IMAGE F3.

POSITION CENTRALLY WITHIN OPENING. THIS WILL LEAVE A GAP EITHER SIDE FOR SETTLING.

NOTE: WINDOWS CAN BE VERY HEAVY, PLEASE TAKE CARE WHEN LIFTING INTO PLACE.

NOTE: IF YOUR BASE IS NOT FIRM AND LEVEL THEN THIS CAN CAUSE THE DOORS AND WINDOWS TO TWIST OR TO GO OUT OF SQUARE. USE A SPIRIT LEVEL TO CHECK.

DO NOT FIX THE DOORS OR WINDOWS IN PLACE AT THIS STAGE

CONTINUE TO BUILD UP YOUR CABIN TO EAVES HEIGHT. SEE IMAGE F4.





IMAGE F4





DETAIL G2

STEP 8: ASSEMBLE ROOF PANELS - DRILL / SCREWDRIVER

FIX 1X A & 1X B ROOF PANELS TOGETHER USING 2X S40 EVENLY SPACED PER SECTION. SEE IMAGE G1.

FOR EXTRA STRENGTH, WE RECOMMEND SECURING THROUGH BOTH SIDES OF THE FRAMING OF EACH PANEL. SEE DETAIL G2.





IMAGE H1 FOR REFERENCE ONLY - NOT TO SCALE

STEP 9: PREPARING THE ROOF FELT - MEASURING TAPE / UTILITY KNIFE

WE RECOMMEND MEASURING AND CUTTING ROOF FELT AGAINST ASSEMBLED ROOF PANELS ON A LEVEL SURFACE.

ROLL FELT OUT ONTO A CLEAN FLAT SURFACE 30 MINUTES BEFORE YOU NEED IT SO IT HAS A CHANCE TO FLATTEN OUT.

TAKE 1X 12X6 ROLL OF FELT. MEASURE LENGTH OF ROOF AND CUT 2 LOWER STRIPS OF FELT TO SIZE. (PIECE 1). USE A STRAIGHT EDGE TO GUIDE CUTTING. THE OFFCUT (PIECE 2) WILL BE USED IN STEP 11.

NOTE: USE THE SAME ANGLE CUT FOR BOTH PIECES. SEE IMAGE H1. NOTE: THE EDGE OF THE FELT (PIECE 2) WILL NOT BE FLUSH WITH THE RIDGE. THIS WILL BE COVERED BY CUT FELT IN STEP 9.4. SEE IMAGE H2.

REPEAT FOR SECOND 12X6 ROLL OF FELT.

CUT 10m ROLL INTO 4 EQUAL LENGTHS. (2.5m)

DO NOT FELT THE ROOF PANELS AT THIS STAGE.















DETAIL 12





DETAIL J

STEP 10: ROOF ASSEMBLY - SCREWDRIVER / HAMMER

UNSCREW TOP PIECE OF ACORN. SEE DETAIL I1. HOOK THE JOINED ROOF PANELS ONTO THE HORIZONTAL RAILS. SEE DETAIL I2. GUIDE TOP OF JOINED ROOF PANELS INTO ACORN BASE AND LOWER UNTIL PANELS ARE "LOCKED IN".

FOR REMAINING ROOF PANELS, PUSH ACORN BASE UPWARD, SLIGHTLY LOOSENING THE ROOF AND CATCH THE NEW PANEL EDGE THEN LOWER TO "LOCK IN". SEE DETAIL I3 FOR ORDER OF PANEL INSTALLATION.

SECURE THROUGH ACORN BASE USING 2X S40 PER JOINED ROOF PANEL. SEE DETAIL 14.

SECURE ROOF PANELS TO HORIZONTAL RAILS USING 6 X N65 EQUALLY SPACED PER JOINED ROOF PANEL. SEE DETAIL I5.

SECURE ROOF PANELS TO EACH OTHER INTERNALLY USING 4X N65 EVENLY SPACED PER RIDGE. SEE DETAIL I6.

STEP 11: ROOF SKIRTING - SCREWDRIVER

SECURE SKIRTING TO BOTTOM OF ROOF PANELS USING 6X N40 EVENLY SPACED PER SKIRTING. SEE DETAIL J.

REPEAT FOR REMAINING ROOF PANELS. 4 ROOF SECTIONS IN TOTAL.



DETAIL 15



DETAIL 16



STEP 12: FELTING ROOF - HAMMER (SEE STEP 6 FOR CUTTING DETAILS)

12.1 ROLL LARGE ANGLE CUT FELT PIECE ALONG LOW SIDE OF ROOF, SECTION 1, LEAVING SUFFICIENT OVERHANG TO FOLD DOWN ONTO LOWER EDGE. DO NOT FOLD UNDERNEATH ROOF. SEE DETAIL K1 & K2. SECURE TO ROOF SKIRTING USING CN20 AT APPROX. 100mm INTERVALS. SEE DETAIL K2. ENSURE THE FELT IS TIGHT, THEN SECURE THE TOP EDGE OF FELT USING CN20 AT APPROX. 100mm INTERVALS ALONG THE FULL LENGTH. SECURE ALONG RIDGES USING 5X CN20.

12.2 REPEAT PROCESS FOR ALL LOWER SECTIONS OF FELT.

12.3 PLACE SMALLER ANGLE CUT FELT PIECE, SECTION 2, AS SHOWN. OVERLAP THE TOP PIECE OF FELT WITH THE BOTTOM PEICE BY APPROX. 75mm. SEE DETAIL K3.

NOTE: THE EDGE OF THE FELT WILL NOT BE FLUSH WITH THE RIDGE. THIS WILL BE COVERED BY CUT FELT IN STEP 12.4.

12.4 USE 2.5m CUT PIECES OF FELT COVER THE RIDGES WHERE THE FELT OVERLAPS. SECURE USING CN20 ALONG EDGES OF FELT AT 100mm INTERVALS.

12.5 REATTACH ACORN TOP, TRAPPING FELT AT PEAK IN BETWEEN THE ACORN TOP AND ROOF BOARD.





STEP 13: FIT DOOR CANOPY - DRILL / SCREWDRIVER

ROOF REMOVED FOR CLARITY.

FIX INTERNAL SHELF TO THE TOP SIDE LOGS AT FRONT OF CABIN USING 2X S40 EVENLY SPACED PER SIDE. SEE DETAIL L1

TOP TIP: GET SOMEONE TO HOLD THE CANOPY IN PLACE WHILE SECURING TO LOGS.



DETAIL L1



STEP 14: FIXING DOORS & WINDOWS - DRILL / SCREWDRIVER

CHECK THE DOORS ARE SQUARE AND SCREW THE FASCIA BOARDS, BOTH INTERNALLY AND EXTERNALLY, INTO THE LOGS BEHIND WITH 6X S40 EVENLY SPACED AS SHOWN. SEE IMAGE M1 & DETAIL M2.

NOTE: INTERNAL VIEW. BLANK WALLS REMOVED FOR CLARITY.

REPEAT PROCESS FOR ALL REMAINING DOORS AND WINDOWS IN YOUR CABIN.

TIMBER IS A NATURAL PRODUCT; ANY LOG OR BOARD CAN EXPAND AND CONTRACT. THIS MAY CAUSE SLIGHT GAPPING IN THE LOG CABIN WHICH CAN BE RECTIFIED BY UN-SCREWING AND RE-SCREWING FASCIA BOARDS OVER THE COURSE OF THE YEAR.

STEP 15: ATTACH STORM BRACES - HAMMER / SPANNER

FIX STORM BRACES TO THE INSIDE OF GABLES WITH 2X CB40 PROVIDED. ALWAYS LEAVE THE BOTTOM CB40 SLACK ENOUGH TO LET THE STORM BRACE MOVE AS THE CABIN EXPANDS AND CONTRACTS. SEE DETAIL N1 & N2.

STEP 16: FIT INTERNAL SKIRTING - DRILL / SCREWDRIVER

ARRANGE THE SKIRTING AROUND THE OUTSIDE EDGE OF FLOOR (INTERNALLY), MEASURE AND CUT DOWN IF REQUIRED TO BEST MATCH THE INTERNAL SPACE. SECURE EACH SKIRTING SECTION INTO PLACE USING 3X S40 EVENLY SPACED ALONG THE LENGTH. SEE DETAIL O1 & O2.

NOTE: DO NOT FIX THE SKIRTING TO THE FLOORBOARDS.



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IMAGE M1







DETAIL M2