Square Encapsulations

Square Encapsulations

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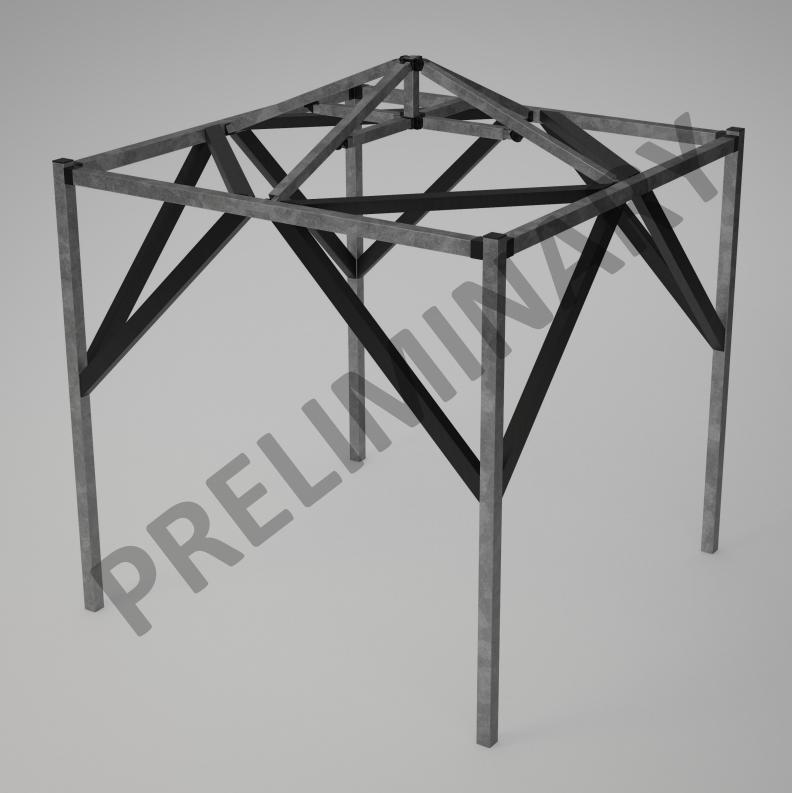
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General Arrangement 2.2m Square Square Encapsulations

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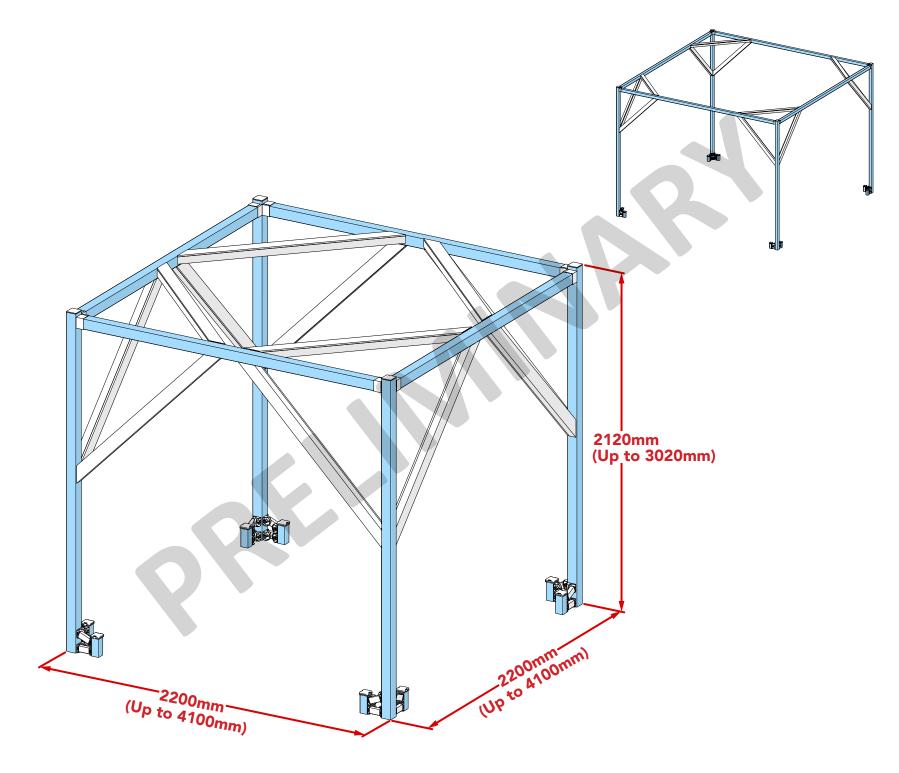
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General Arrangement 4.1 m Square Square Encapsulations

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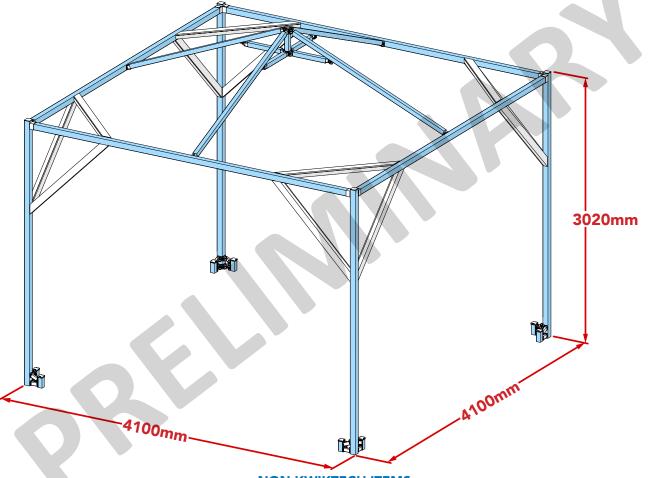
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KWIKTECH KITS

ITEM	LENGTH	COLOUR	QUANTITY	RESELLER RPICE
Kwiktech DIY Square Kit (NOTE: Some items will not be used)	-	-	1	
Kwiktech DIY Creator Kit (NOTE: Some items will not be used)	-	-	1	
Kwiktech DIY Ground Anchor Kit (NOTE: Some items will not be used)	-	-	1	



NON KWIKTECH ITEMS

ITEM	ITEM ID #	ASSEMBLY ID #	LENGTH	COLOUR	QUANTITY	RESELLER RPICE
M12x75 4.6 Hex head Galv Bolt & Nut			75	Galv	16	
P1326H Ninety Degree Fitting HG		red if fixing to ground concrete.	105	Galv	8	
Dynabolt DP12100 M10 12x100 Galv			100	Galv	8	
65x65 Plastic Post Cap		-	25	Black	4	
Standard Stair Picket	1 ' '	if fixing onto turf ary structure.	600	Black	8	

Sizing Guide

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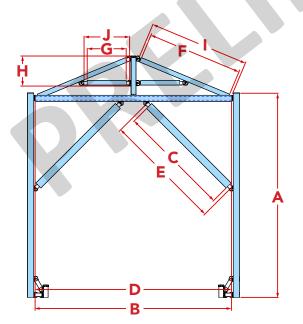
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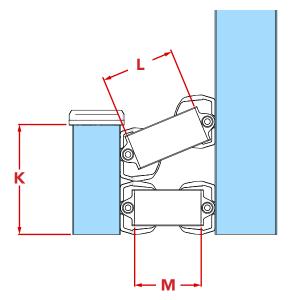
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STEEL MEMBERS SIZING TABLE

Dimension	Steel Type	2.2m	2.3m	2.4m	2.5m	2.6m	2.7m	2.8m	2.9m	3.0m	3.1m	3.2m	3.3m	3.4m	3.5m	3.6m	3.7m	3.8m	3.9m	4.0m	4.1m
ID	Steel lype	Square																			
A *	65x65x2 SHS	2120	2120	2120	2120	2120	2120	2120	2120	2120	3020	3020	3020	3020	3020	3020	3020	3020	3020	3020	3020
В	65x65x2 SHS	2040	2140	2240	2340	2440	2540	2640	2740	2840	2940	3040	3140	3240	3340	3440	3540	3640	3740	3840	3940
С	75x50x2 RHS	1167	1167	1167	1167	1167	1167	1167	1167	1167	1167	1167	1167	1167	1167	1167	1167	1167	1167	1167	1167
D	38x25x1.2 RHS	2040	2140	2240	2340	2440	2540	2640	2740	2840	2940	3040	3140	3240	3340	3440	3540	3640	3740	3840	3940
E	38x25x1.2 RHS	1237	1237	1237	1237	1237	1237	1237	1237	1237	1237	1237	1237	1237	1237	1237	1237	1237	1237	1237	1237
F	50x50x1.6 SHS	993	1047	1101	1155	1209	1263	1317	1371	1425	1480	1534	1588	1642	1696	1750	1804	1858	1913	1967	2021
G	50x50x1.6 SHS	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405	405
н	50x50x1.6 SHS	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310
1	38x25x1.2 RHS	1063	1117	1171	1225	1279	1333	1387	1441	1495	1550	1604	1658	1712	1766	1820	1874	1928	1983	2037	2091
J	38x25x1.2 RHS	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475
К	50x50x1.6 SHS	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
L	38x25x1.2 RHS	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
М	38x25x1.2 RHS	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70





*NOTE: If fixing legs into concrete, extend these member lengths by 600mm.

Bill of Materials

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NON KWIKTECH ITEMS

ITEM	ITEM ID #	ASSEMBLY ID #	LENGTH	COLOUR	QUANTITY	RESELLER RPICE
SHS 65x65x2.0mm	A				4	
SHS 65x65x2.0mm	В	1			4	
RHS 75x50x2.0mm	C	2			12	
SHS 50x50x1.6mm	F	3			4	
SHS 50x50x1.6mm	G	4	Refer		4	
SHS 50x50x1.6mm	H		to Steel		1	
SHS 50x50x1.6mm	K		Member	Galv	8	
RHS 38x25x1.2mm	D	1	Sizing Table		4	
RHS 38x25x1.2mm	(3)	2	on page 4		12	
RHS 38x25x1.2mm	0	3			4	
RHS 38x25x1.2mm	J	4			4	
RHS 38x25x1.2mm	<u> </u>				8	
RHS 38x25x1.2mm	M				8	

FLASHINGS

ITEM	ITEM ID #	LENGTH	COLOUR	QUANTITY	RESELLER RPICE
Brace Outer Cover - KT-SENC-01	FL 1	1375		12	
Brace Inner Cover - KT-SENC-02	FL 2	1375	Customers	12	
Top Horizontal End Outer Cover - KT-SENC-03	FL 3	50	Choice	8	
Top Horizontal End Inner Cover - KT-SENC-04	FL 4	50		8	
Note: Pefer to page 6 for fleshing details				Sub-Total	
Note: Refer to page 6 for flashing details.				GST	
	Shipping				
				Total Cost	

Member Locations

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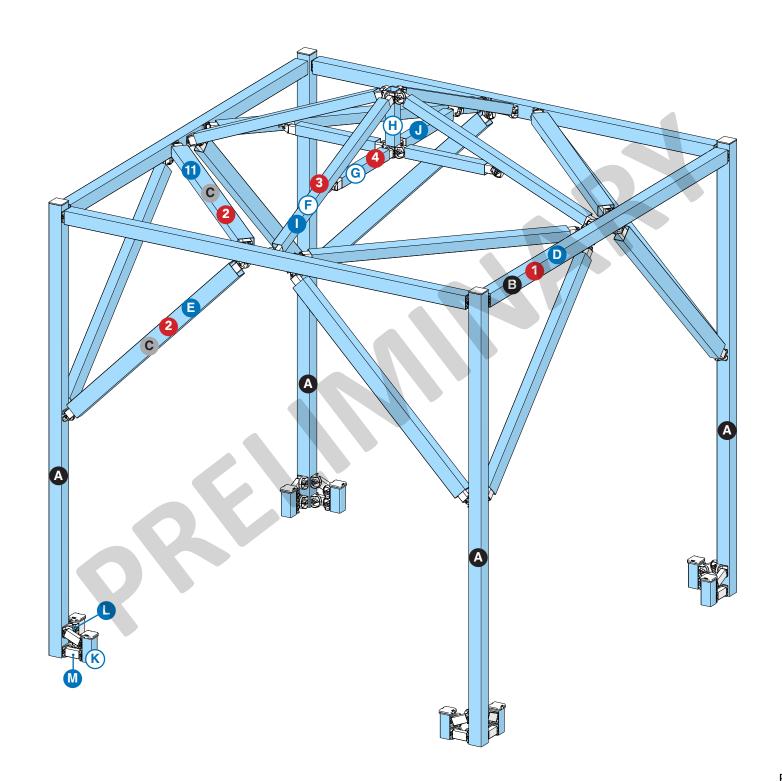
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Flashing Types

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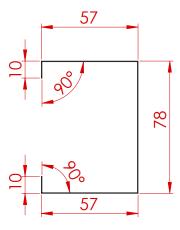
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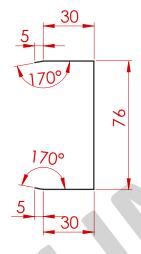
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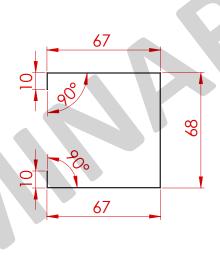
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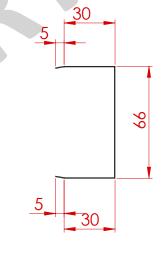
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FL 1

KT-SENC-01 1375mm 0.42 BMT QTY: 12 FL 2

KT-SENC-02 1375mm 0.42 BMT QTY: 12 FL 3

KT-SENC-03 50mm 0.42 BMT QTY: 8 FL 4

KT-SENC-04 50mm 0.42 BMT QTY: 8

Flashing Trimmings

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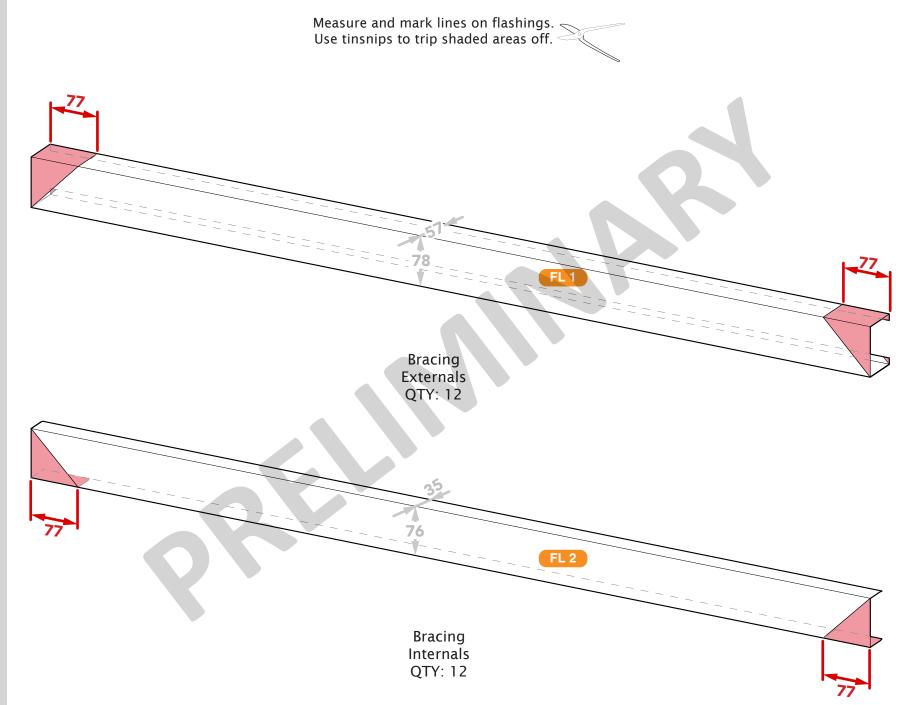
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Rail **Assembly**

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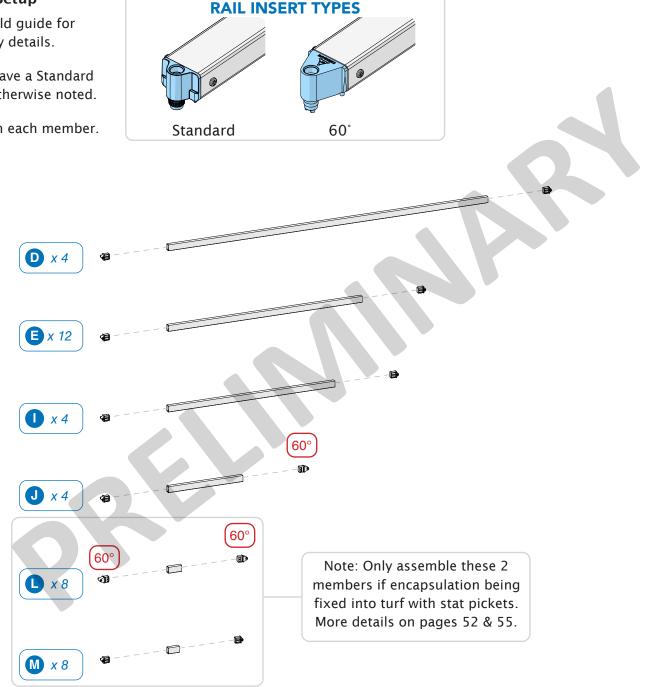
All dimensions are in millimeters (mm)

Rail Setup

Refer to build guide for assembly details.

All members have a Standard insert unless otherwise noted.

Mark item ID on each member.



Approximate time required: 3 Hours

Extra Strong Rail Assembly

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Rail Setup

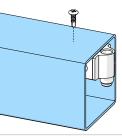
Refer to build guide for assembly details.

Recommend using C-Clamps to hold rails for screw fixing.

Mark assembly ID on each member.

TYPICAL ENDS FIXING DETAIL

Screw 10mm from end of SHS.

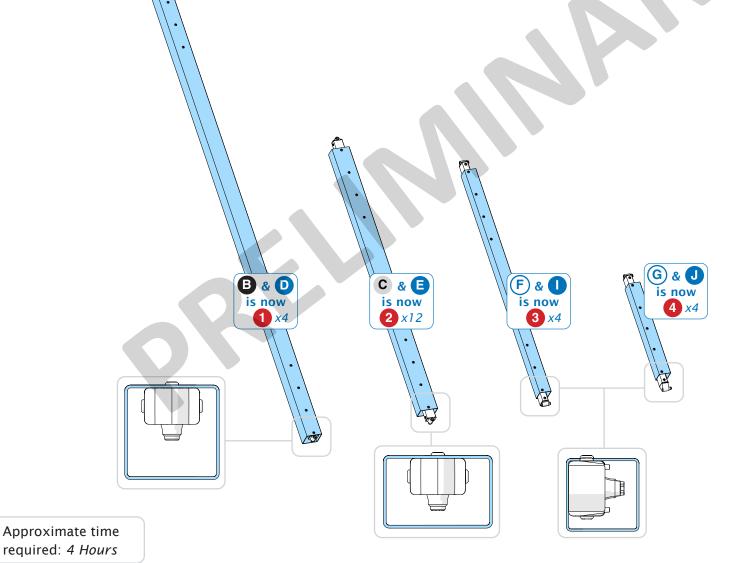


Note: Use suitable spacer to secure 38x25 in place while fixing.

ENDS FIXING DETAIL

4 screws from 75x50/65x65/50x50 into 38x25.

100mm spacing, both ends for 38x25 full length members.



Universal **Connector** Locations **Square Encapsulations**

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All dimensions are in millimeters (mm)

32.5 Center 887 **GIII** 32.5 32.5 194 GIE **Corner Post** Note: Only fix these 4 **Top Horizontals** connectors if encapsulation x4 x4 being fixed into turf. More details on pages 53 & 56. Approximate time required: 1 Hour Page 10

34.5

27

34.5

27

34.5

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Universal Connector Locations Square Encapsulations

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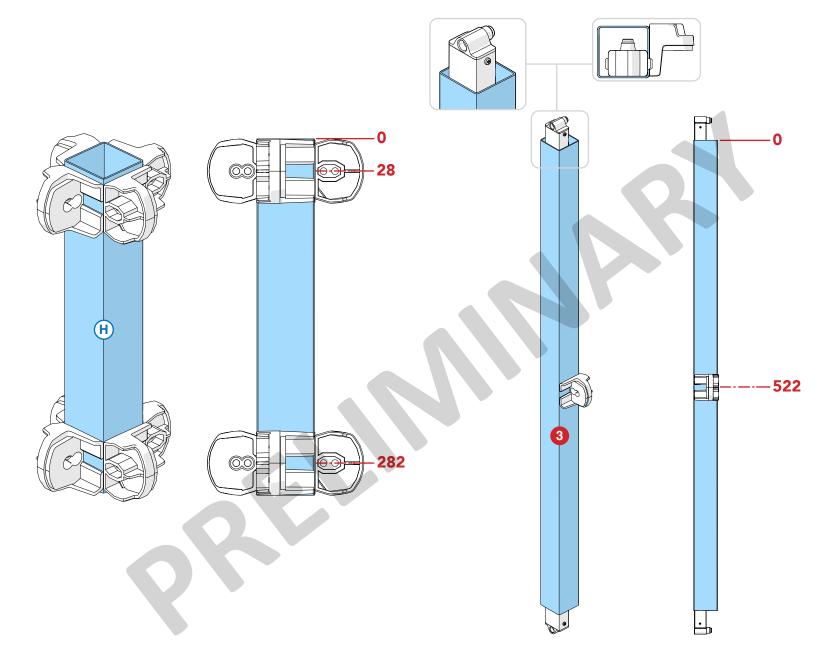
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Peak Connection Post x1. All sides the same.

Peak Diagonals

x4

Approximate time required: 1 Hour

Ground Fixing Details

Square Encapsulations

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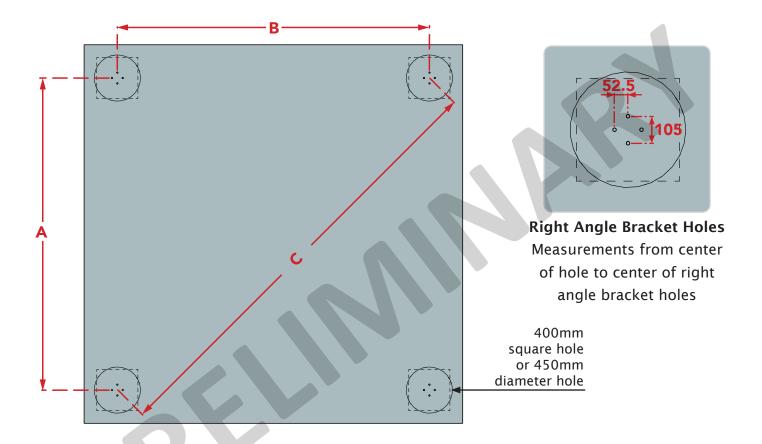
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Hole measurements

All measurements from center of hole



DIMENSION ID & LENGTHS

Dimension	2.2m	2.3m	2.4m	2.5m	2.6m	2.7m	2.8m	2.9m	3.0m	3.1m	3.2m	3.3m	3.4m	3.5m	3.6m	3.7m	3.8m	3.9m	4.0m	4.1m
ID	Square																			
Α	2135	2235	2335	2435	2535	2635	2735	2835	2935	3035	3135	3235	3335	3435	3535	3635	3735	3835	3935	4035
В	2135	2235	2335	2435	2535	2635	2735	2835	2935	3035	3135	3235	3335	3435	3535	3635	3735	3835	3935	4035
С	3019	3161	3302	3444	3586	3726	3868	4009	4151	4292	4434	4575	4716	4858	4999	5141	5282	5424	5565	5706

Ground Fixing Details

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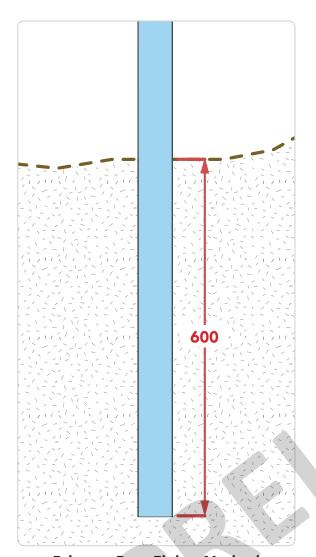
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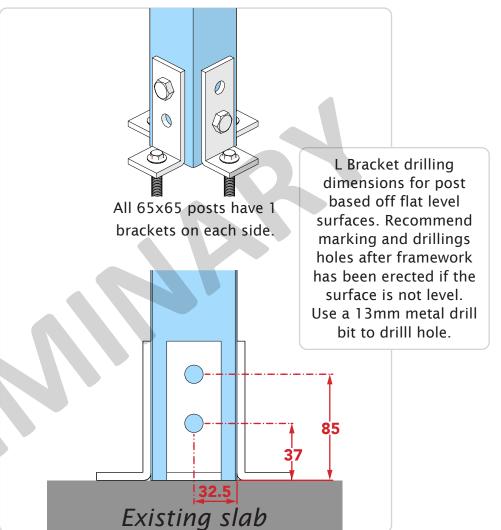
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Primary Post Fixing Method 600mm embedment into ground x either 450mm diameter OR 400mm square hole.

Concrete minimum compressive strength of 15 MPa.

(Applies to both fixing scenarios)



Secondary Post Fixing Method

Assumed existing slab to be minimum 100mm thick & in sound structural condition.

L Bracket fixed to posts via m12x90 4.6 Hex Head Galv Bolt/Nut. Use a 13mm metal drill bit to drill hole.

Fixed into concrete with 4 x Dynabolt DP12100GH M10 12x100mm Galv Hex Nut, 70mm min edge distance. Use a 12mm masonry drill bit to drill hole.

Ground Fixing Details

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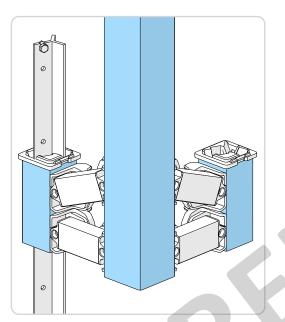
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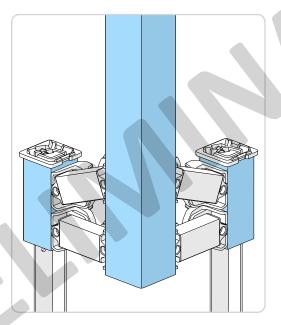
Tertiary Post Fixing Method

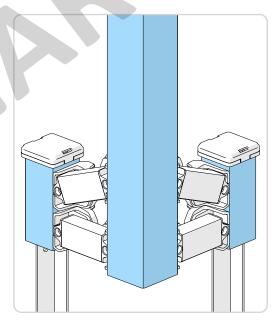
Assumed fixing into turf.

Attach Star Pickets as shown on page 56.

Place Star Picket into Kwiktech Star Picket Stopper and embedd into ground. Repeat for all Star Picket Stoppers. Click on Post Caps on all Stoppers.







Assembly Sequence

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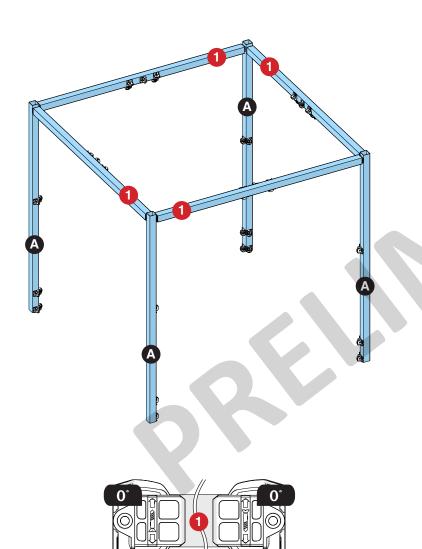
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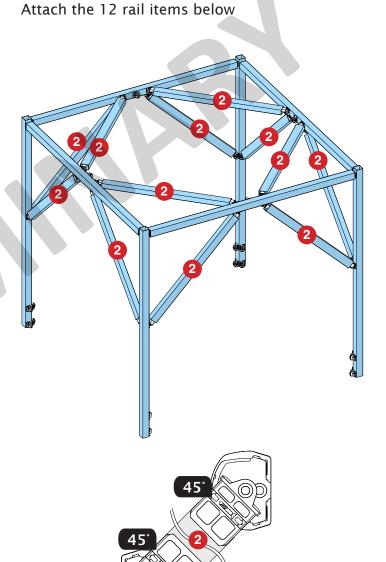
Build Encapsulation

Construct on the ground. (Images show steel upright for clarity)

Step 1Attach the 8 rail items below



Step 2



Approximate time required: 0.5 *Hours*

Assembly Sequence

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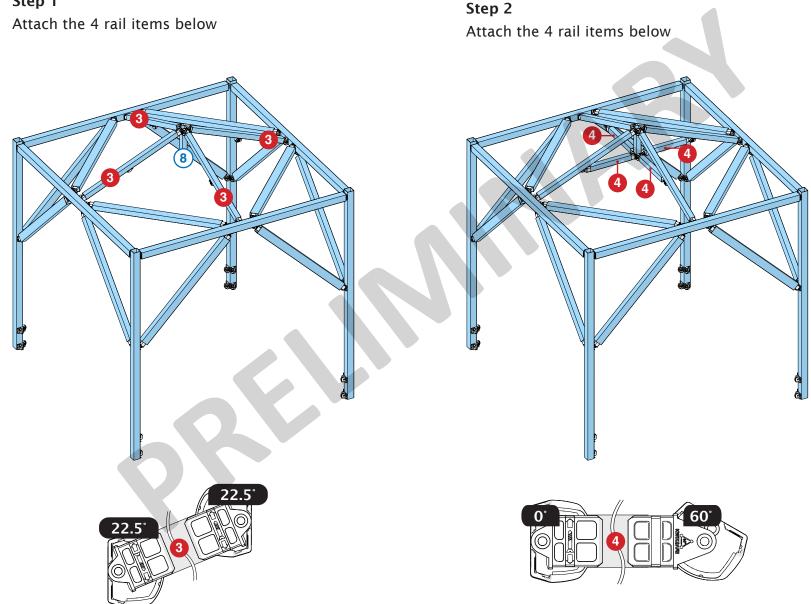
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Build Encapsulation

Construct on the ground. (Images show steel upright for clarity)

Step 1



Approximate time required: 0.5 Hours

Star Picket Brace

Steps only required if fixing to turf.

Assembly Sequence

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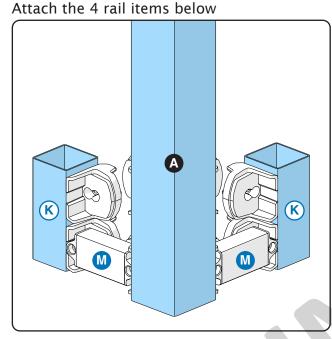
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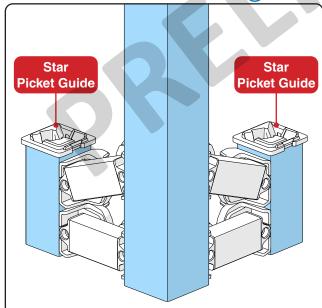
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Step 1

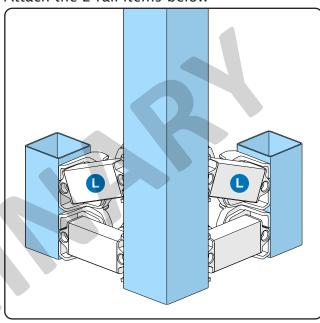


Step 3
Install Star Picket Guide into item 9

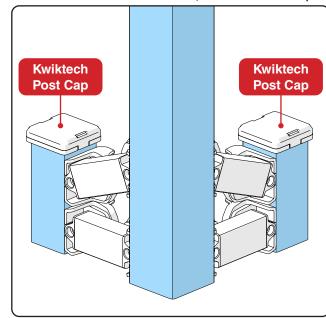


Step 2

Attach the 2 rail items below



Step 4After Star Pickets inserted, install Post Cap.



Flashings & Finishings

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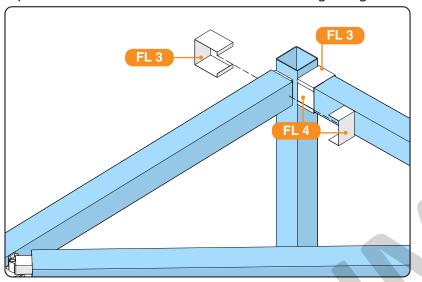
Construction using Kwiktech products may require planning approval. Always contact your Local Council for the most up-to-date rules and regulations for your area.

All dimensions are in millimeters (mm)

Install the Stringer Flashings

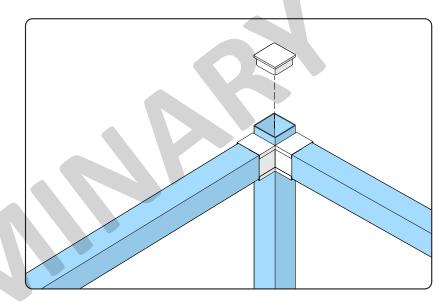
Step 1

Place the internal end flashings on the ends of all the horizontal members. Then the external one over the top & clip it onto the SHS member. Secure via fixings or glue.



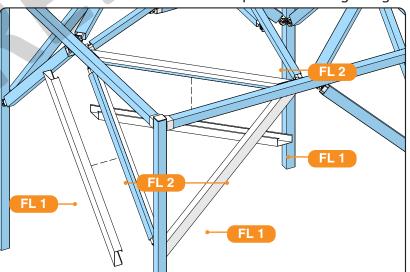
Step 2

Place the plastic 65x65 post cap inserts into each of the 4 corner posts.



Step 3

Place the internal bracing flashings on all 12 of the diagonal bracing members. Then the external one over the top & clip it onto the RHS member Secure in place via fixings or glue.



Peaked Encapsulations

Square Encapsulations

User Manual

Read in conjuction with Kwiktech Build Guide and Kwiktech Tips & Tricks

Designed by



Engineered by



Rating: Region A, TC2.0

Rev 0

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