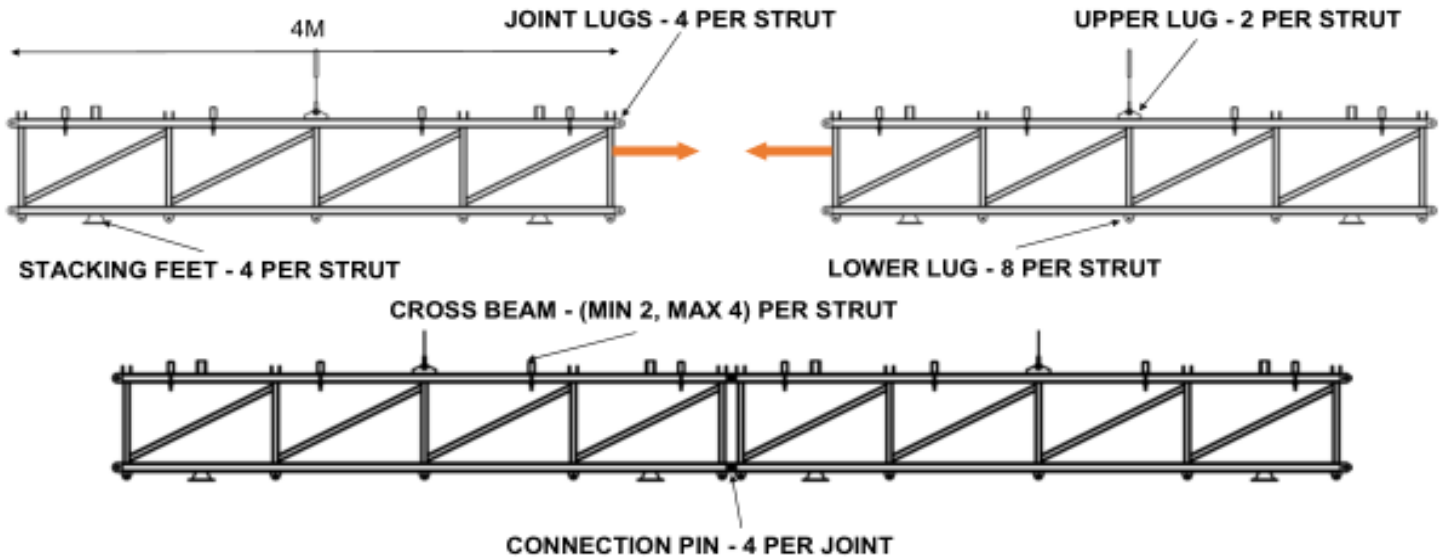


THIS SET OF USER INSTRUCTIONS IS FOR VARIOUS SIZES OF THE BRITLIFT LATTICE SPREADER (LAT6), WHICH IS PARTICULARLY SUITABLE FOR LONG, LIGHT LOADS. THE LAT6 IS RATED TO A MAXIMUM VERTICAL LOAD OF 6 TONNES, HOWEVER THIS DECREASES TO 4 TONNES AT 36M AND TO 3 TONNES AT 40M AND 44M. THIS SYSTEM IS MODULAR IN CONSTRUCTION AND MAY ONLY BE DISMANTLED AND ASSEMBLED BY TRAINED RIGGERS TO ACHIEVE THE DESIRED LENGTH OF SPAN, WHICH CAN RANGE FROM 8M TO 44M IN 4M INCREMENTS.

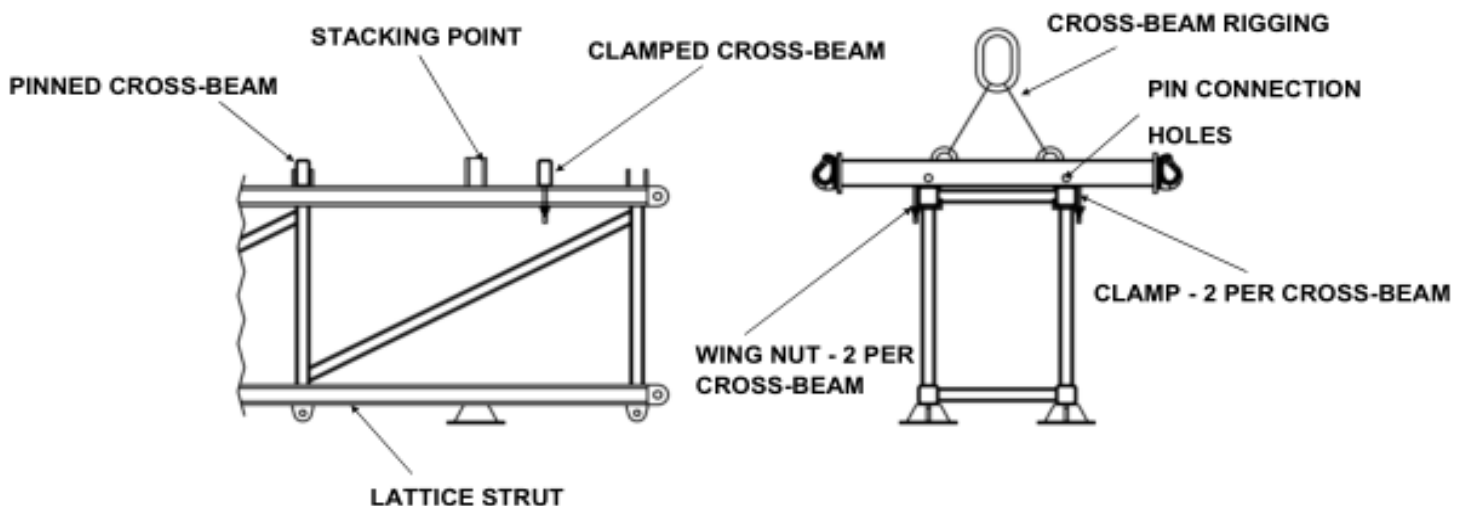
THE LATTICE IS MADE UP OF 4M LONG STRUTS, WHICH CAN BE JOINED TOGETHER BY PUTTING 4 CONNECTION PINS THROUGH THE JOINT LUGS ON THE TWO STRUTS. THIS IS SHOWN BELOW.



THERE ARE TWO OPTIONS FOR LIFTING CENTRES - LOWER LUGS TO SUIT 2 TONNE SHACKLES, ARE SPACED AT 1M INTERVALS TO PROVIDE DISTRIBUTED SUPPORT TO THE LOAD. THE OTHER OPTION IS CROSS-BEAMS WITH CLEVIS HOOKS AT A SPAN OF 1M WHICH CAN BE SPACED ALONG THE LATTICE AT POSITIONS CHOSEN BY THE USER (MUST BE EVENLY DISTRIBUTED). NOTE: THE RIGGING OFF LIFTING CENTRES MUST NOT DEVIATE FROM THE VERTICAL BY AN ANGLE GREATER THAN 6°.

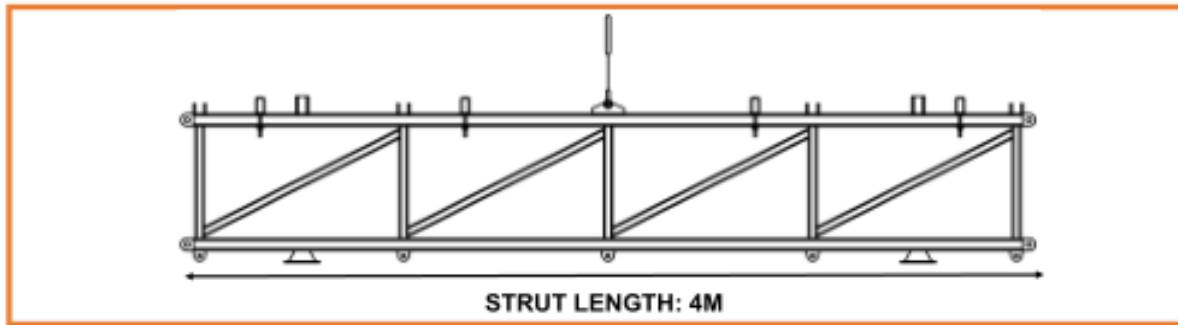
THE UPPER LIFTING LUGS COME IN PAIRS, AND EACH LUG IS ANGLED AT 60° TO THE HORIZONTAL. THEY WILL HAVE A TWO LEG CHAIN SLING THAT MEETS AT A MASTER-LINK ABOVE THE CENTRE OF THE TWO LUGS

THE CROSS BEAMS CAN BE ATTACHED TO THE TOP OF THE LATTICE USING CONNECTION PINS THROUGH SPECIFIC BEAM CHANNELS, IN THIS SET-UP EACH CROSS-BEAM HAS A WLL (WORKING LOAD LIMIT) OF 1 TONNE. A SECONDARY OPTION IS USING WING NUT CLAMPS TO ATTACH THE CROSS-BEAM ANYWHERE ALONG THE TOP OF THE LATTICE, IN THIS SET-UP THE WLL REDUCES TO 0.5 TONNE. IN BOTH SET-UPS THE CROSS-BEAM AND LATTICE MUST BE EVENLY LOADED.



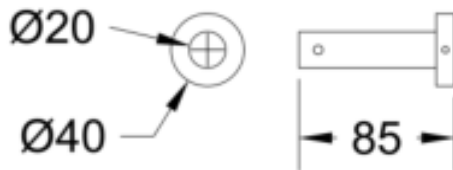
# COMPONENTS

LATTICE STRUT:



STRUT LENGTH: 4M

CONNECTION PIN:



CROSS-BEAM:



## ASSEMBLY GUIDE

1. CONSULT THE LIFT PLAN AND ENSURE THAT YOU ARE USING THE CORRECT BEAM CONFIGURATION FOR YOUR LIFT REQUIREMENTS.
2. ENSURE EACH COMPONENT YOU ARE USING IS FROM THE CORRECT SERIES AND CHECK THAT ALL RELEVANT CERTIFICATION IS PRESENT.
3. ENSURE THAT THE MATING FACES OF THE COMPONENTS ARE FREE FROM DEBRIS.
4. JOIN THE SYSTEM TOGETHER USING THE PINS PROVIDED.
5. LATTICE MUST BE ASSEMBLED ON LEVEL GROUND.
6. THE CONNECTION HAS A TIGHT TOLERANCE AND MANIPULATION OF BOTH SECTIONS USING A CRANE MAY BE REQUIRED TO CONNECT ALL PINS.
7. BEFORE MOVING THE LATTICE OUT OF REACH, THE ASSEMBLY OF THE BEAM MUST BE THOROUGHLY INSPECTED BY A COMPETENT PERSON.
8. CONNECT THE BOTTOM SLINGS TO THE LOAD AND CHECK TO ENSURE THAT THE RIGGING ARRANGEMENT IS IN ACCORDANCE WITH THE LIFT PLAN.
9. ENSURE ALL 4 PINS ARE IN PLACE AT EACH CONNECTION POINT PRIOR TO PERFORMING THE LIFT.

## CHART 1 - AVAILABLE SPANS AND REQUIRED LOAD SUPPORT POINTS

LATTICE LENGTH (M)	MINIMUM NUMBER OF CROSS BEAMS OR LOWER LUG PAIRS (EVENLY DISTRIBUTED)	MAXIMUM NUMBER OF CROSS BEAMS OR LOWER LUG PAIRS (EVENLY DISTRIBUTED)
8	4	8
12	6	12
16	8	16
20	10	20
24	12	24
28	14	28
32	16	32
36	18	36
40	20	40
44	22	44

THE DRAWINGS BELOW GIVE ASSEMBLY AND RIGGING DETAILS OF SOME OF OUR LARGER CONFIGURATIONS OF LATTICE BEAMS.

NOTE 1 - THE TOTAL WEIGHTS WILL VARY BASED ON THE NUMBER OF CROSS-BEAMS BEING USED.

NOTE 2 - THE SLING TO VERTICAL (STV) ANGLE MUST BE LESS THAN OR EQUAL TO 45°.

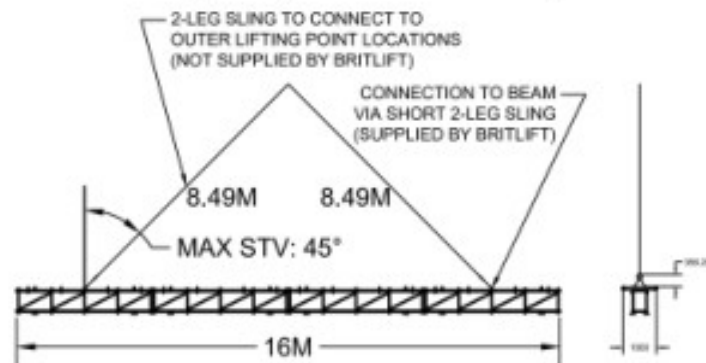
NOTE 3 - MAXIMUM PERMITTED OVERHANG IS 6M PER END. (DISTANCE FROM OUTER UPPER RIGGING POINT TO THE END OF THE BEAM).

NOTE 4 - FOR LATTICE LENGTHS LESS THAN 16M USE A SVA OF 45°, WITH THE TWO LEG SLING CONVERGING AT A SINGLE MASTER-LINK ABOVE THE CENTRE OF THE LATTICE LENGTH. SLING LENGTHS TO BE CALCULATED.

### ASSEMBLED 16M LATTICE SPREADER BEAM - WLL = 6 TONNES

MINIMUM TOP SLING LENGTH = 8.49M

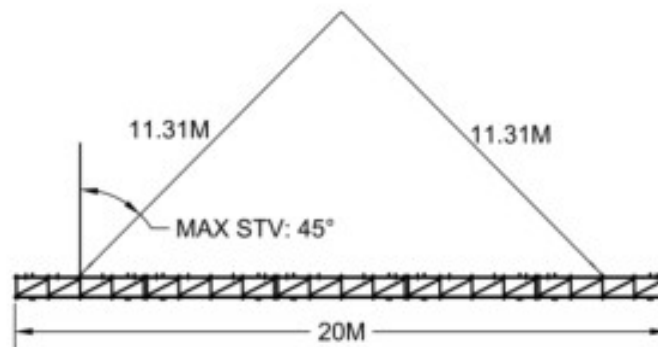
TOTAL WEIGHT = 1000 kg + Weight of Cross-Beam: 10kg x Number Being Used



### ASSEMBLED 20M LATTICE SPREADER BEAM - WLL = 6 TONNES

MINIMUM TOP SLING LENGTH = 11.31M

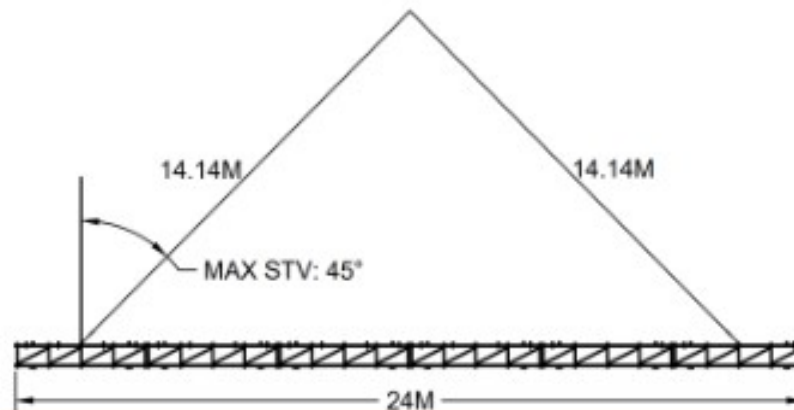
TOTAL WEIGHT = 1250 kg + Cross-Beam Weight (10kg) x Number of Cross-Beams Used



### ASSEMBLED 24M LATTICE SPREADER BEAM - WLL = 6 TONNES

MINIMUM TOP SLING LENGTH = 14.14M

TOTAL WEIGHT = 1500 kg + Cross-Beam Weight (10kg) x Number of Cross-Beams Used

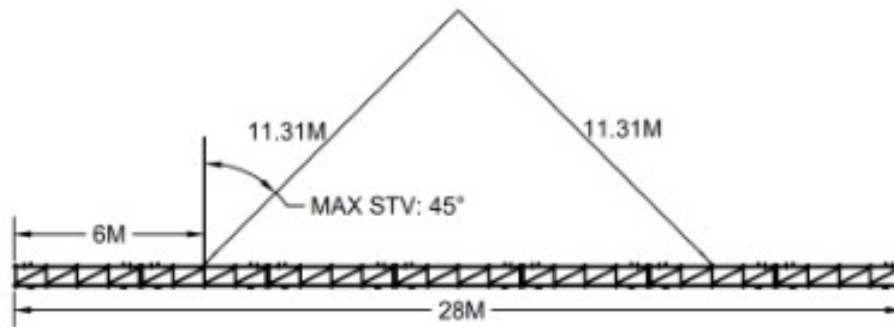


THE DRAWINGS BELOW GIVE ASSEMBLY DETAILS OF SOME OF OUR LARGER CONFIGURATIONS OF LATTICE BEAMS. THE TOTAL WEIGHTS GIVEN DO NOT INCLUDE THE WEIGHT OF THE CROSS BEAMS.

**ASSEMBLED 28M LATTICE SPREADER BEAM - WLL = 6 TONNES**

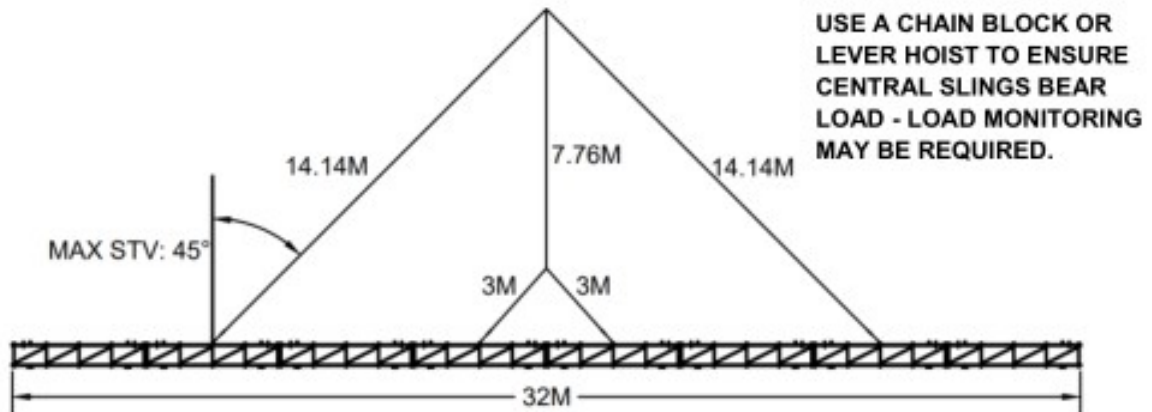
MINIMUM TOP SLING LENGTH = 11.31M

TOTAL WEIGHT = 1750 kg + Cross-Beam Weight (10kg) x Number of Cross-Beams Used



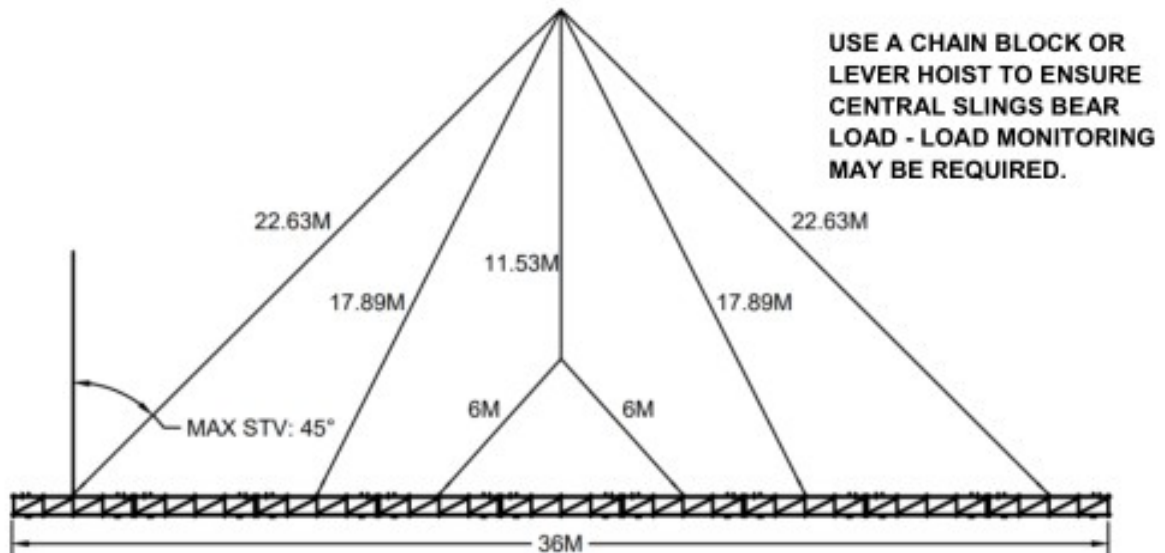
**ASSEMBLED 32M LATTICE SPREADER BEAM - WLL = 6 TONNES**

TOTAL WEIGHT = 2000 kg + Cross-Beam Weight (10kg) x Number of Cross-Beams Used



**ASSEMBLED 36M LATTICE SPREADER BEAM - WLL = 4 TONNES**

TOTAL WEIGHT = 2250 kg + Cross-Beam Weight (10kg) x Number of Cross-Beams Used

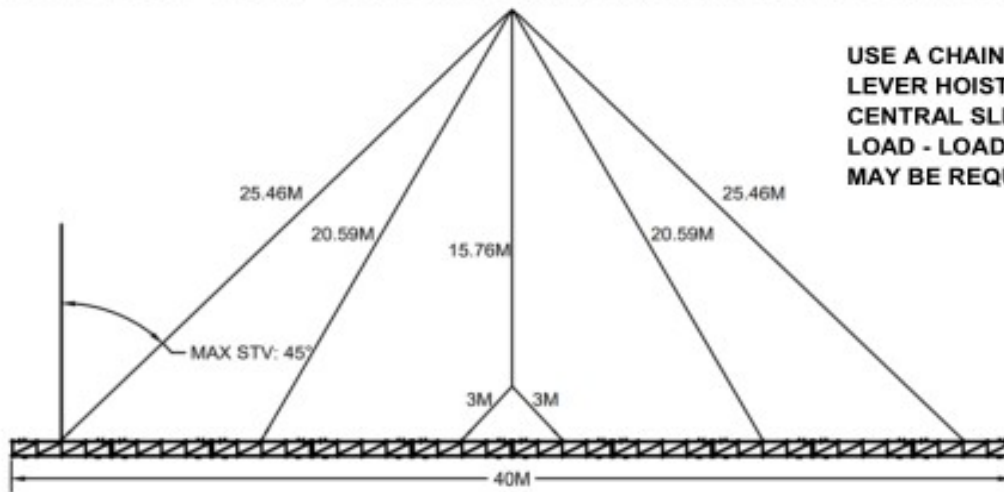




THE DRAWINGS BELOW GIVE ASSEMBLY DETAILS OF SOME OF OUR LARGER CONFIGURATIONS OF LATTICE BEAMS. THE TOTAL WEIGHTS GIVEN DO NOT INCLUDE THE WEIGHT OF THE CROSS BEAMS.

**ASSEMBLED 40M LATTICE SPREADER BEAM - WLL = 3 TONNES**

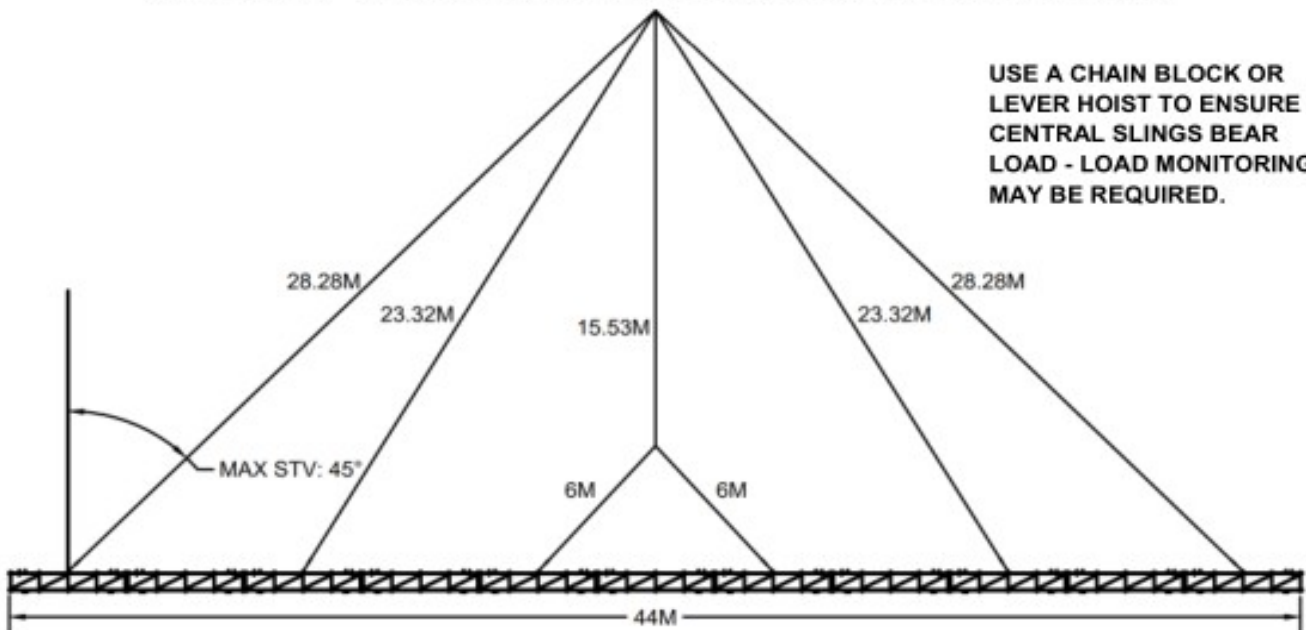
TOTAL WEIGHT = 2500 kg + Cross-Beam Weight (10kg) x Number of Cross-Beams Used



USE A CHAIN BLOCK OR LEVER HOIST TO ENSURE CENTRAL SLINGS BEAR LOAD - LOAD MONITORING MAY BE REQUIRED.

**ASSEMBLED 44M LATTICE SPREADER BEAM - WLL = 3 TONNES**

TOTAL WEIGHT = 2750 kg + Cross-Beam Weight (10kg) x Number of Cross-Beams Used



USE A CHAIN BLOCK OR LEVER HOIST TO ENSURE CENTRAL SLINGS BEAR LOAD - LOAD MONITORING MAY BE REQUIRED.

