

KT-C Series

For Small to Middle Size Antennas, 11~18m

As Slim As 60cm Tower Face, Lightweight and Strong, A Variety of Optional Components Required Only Small Amount of Concrete and Easy Construction, Bolt Fastening Assembly



KT18C
17.7m/h

This KT-C series are a complete self-supporting semi-tapered triangular tower intended for a small to middle size of antennas newly designed and developed from achievements of passed 20 years of history in KT-N series towers engineering. It shapes slim but has a rugged strength so that a larger size of antenna can easily be installed even in narrow construction site. A variety of optical height of the towers can be choiceable according to the requirement of user's applications as it is classified into 4 types ranging from 10.6m to 17.7m of the tower heights. Those part of structure needing for strength, is solved by adopting a larger diameter of main post. Although it is slim, it is designed to meet the requirements considering that a larger size of antenna can comparatively be mountable on the top of the tower. Installing these antennas such as Yagi type HF antennas for Ham use while stacked Yagi for V and UHF bands and an particular antennas like a sharing antenna system are mostly suitable. By upgrading with use of elevator system (optionally available), makes it possible to perform for easier antenna installation or for upgrading an to a larger size of antenna. Structurally, required tower height above the ground is obtained by joining 2.44m long of the each tower section. The face width of each section is 41cm at the top section in the meanwhile 60cm at the bottom section. See work schedule list for the details of the KT-R series installation procedures.

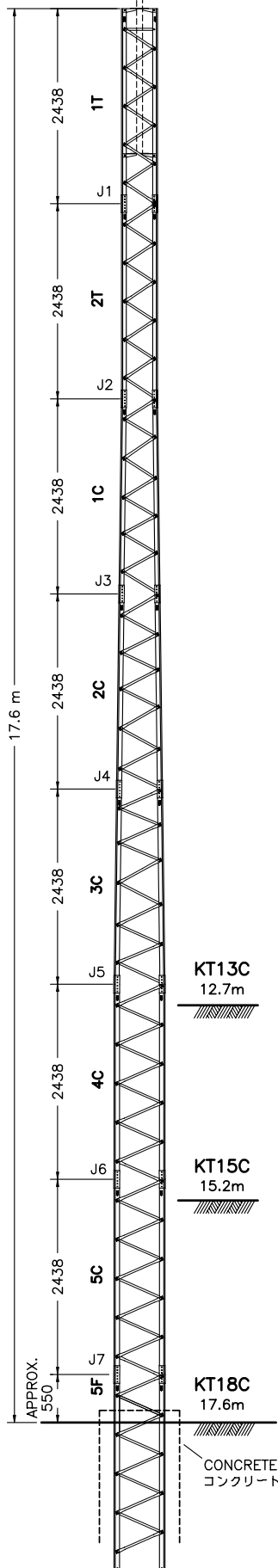
Concreteless Foundation Base Kit 5FB/Optional

Those towers which are not required the concrete foundation are also available (suitable in the case for faster installation and uninstallation etc.). Applicable models of this foundation type are KT11C-KT15C.

Model No.	Height above the Ground (m)	Allowable Loads (m ²) 45m/s	Allowable Loads (m ²) 60m/s	Concrete (m ³)	Mast Diameter Rotator	Weight (kg)
KT11C	10.6	3.8	1.0	1.0	Mentioned in the Tower Setup Guide	190
KT13C	13.0	3.0	0.85	1.0		215
KT15C	15.3	2.4	0.7	1.5		255
KT18C	17.7	1.8	0.5	1.5		305

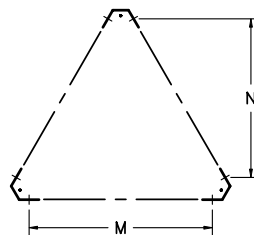
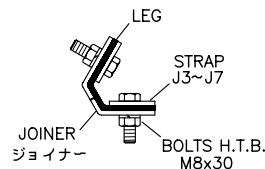
* Allowable loads denote wind surface area of antenna in the wind speed at 45m/s and 60m/s.

ANTENNA MAST MAX. $\phi 61\text{mm}$
(NOT FURNISHED)
アンテナ据付マスト(含まれていない)

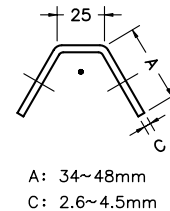


ELEVATION
立面

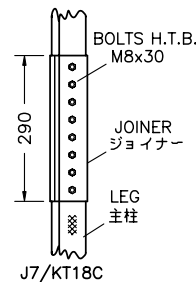
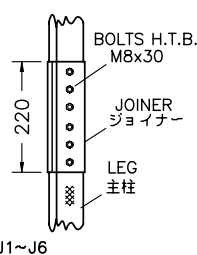
TOWER SCHEDULE タワー部材明細				KT-C SERIES		
SECTION NO.	SPREAD DIMENSION 根開き M x N	TOWER LEG 主柱 SM-570	TOWER BRACE ブレース STK-400	JOINING BOLT 接合ボルト SCM-435	BRACING BOLT 組立ボルト SCM-435	WEIGHT 質量 KG
1T	370x320	CH-34x25x2.6 Channel	$\phi 21.7$ PIPE	—	M8x20 10.9	31
2T	370x320	CH-38x25x2.6 Channel	$\phi 21.7$ PIPE	6-M8x30 10.9	M8x20 10.9	31
1C	430x370	CH-38x25x2.6 Channel	$\phi 21.7$ PIPE	6-M8x30 10.9	M8x20 10.9	32
2C	495x430	CH-40x25x3.2 Channel	$\phi 21.7$ PIPE	6-M8x30 10.9	M8x20 10.9	36
3C	555x480	CH-40x25x3.2 Channel	$\phi 21.7$ PIPE	6-M8x30 10.9	M8x20 10.9	38
4C	555x480	CH-42x25x4.0 Channel	$\phi 21.7$ PIPE	6-M8x30 10.9	M8x20 10.9	41
5C	555x480	CH-45x25x4.5 Channel	$\phi 21.7$ PIPE	6-M8x30 10.9	M8x20 10.9	49
5F	555x480	CH-48x25x4.5 Channel	$\phi 21.7$ PIPE	8-M8x30 10.9	M8x20 10.9	50



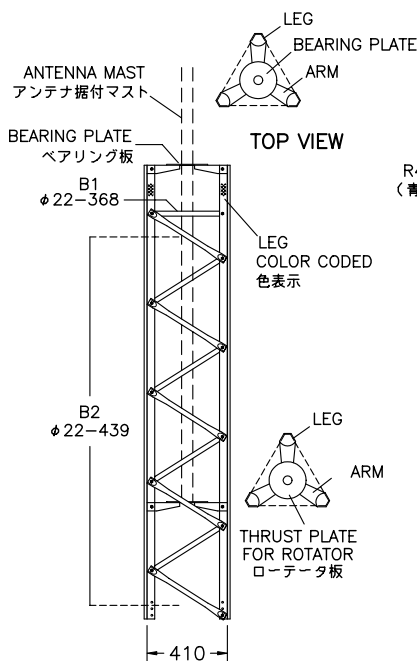
M-Nはボルト軸
SECTION DIMENSION (LOWER)
断面寸法 (下側)



●は重心
TOWER LEG
主柱

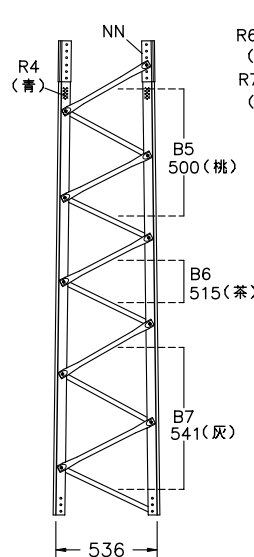


LEG JOINT SECTION
主柱 接合部

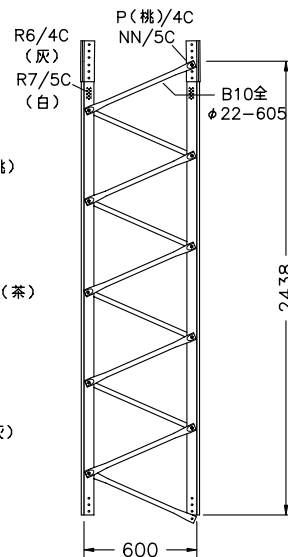


TOP VIEW

SEC-1T



SEC-2C



SEC-4, 5C

- NOTES: 1. DIMENSIONS IN MILLIMETRES
寸法はミリメートル
2. MATERIALS: JIS STANDARD
材 料: JIS 規格による
3. FINISH: HOT DIP GALVANIZED
仕 上: 溶融亜鉛メッキ

KT-R Series

For Middle to Large Size Antennas, 15~22m

Self-Supporting Tower Inherited from KT-C Series,
Enable to Earn a Tall Height of Tower and Installable a Large Antenna.



The KT-R series are complete self-supporting semi-tapered triangular towers. Like the conventional KT tower, the KT-R series towers are composed of three rails (formed channel steel) and braces (tubings) bolted together to fasten each other. They are intended for large antennas, and have a new design to make them light-weight and strong. A side view of the antenna shows that the two upper sections (40cm wide) are straight, while the 3rd, 4th, 5th and 6th sections constitute a tapered portion (giving a 1m increase in width) seated on the lower straight portion on the foundation. This allows a minimum foundation area. Generally, a self-supporting tower has a large lower part and an upper part which tapers to the top. In the KT-R series is the tower designed and developed the stress problem by altering the materials of the antenna members and the structure, obviating the need to enlarge the antenna. The structure and design of the antenna tower are based not only on calculations but also on experiments under various stress conditions. Particular consideration has been given to torsion, warp and directional strength, which are vital factors in triangular cross-sectional, self-supported towers. A grounding plate is provided at the foundation to allow for possible lightning strikes. This also facilitates construction and makes it easier to find the true perpendicular. If the ground resistance is small enough, no other lightning arrester is necessary.

Working Schedule

Construction work for this KT-R tower is processed in two steps. The 1st step is to provide a foundation for the tower, excavation and concrete. 2nd steps is to assembly of the each section units (above the foundation) of the tower and to stack them on the foundation. Before start working the 2nd step, it must to wait at least 4 days until concrete is formed. It is advisable to purchase the most appropriate concrete for actual use from one of the dealers instead of mixing them by your own as timing is important. Contact your local concrete provider and reserve them the concrete by telling them the required volume of excavated hole and the time in order to meet the time for concrete pouring to be.

Tower Foundation

The tower foundation is buried under the ground together with the concrete as listed in the table below. Excavation work takes approximately 3 hours with 2~3 workers.

KT20R
19.9m/h

Foundation Work	1. Excavation, 2~3 workers required, takes 3~4 hours. 2. Assembly, foundation and upper sections 3. concrete pouring
Section Assembly	2 workers required for assembly, takes 30~40 min. per 1 section.
Stacking (by man power)	1. Stacking each section, 5~6 days after the concrete pouring 2. 2~3 workers required for stacking above section, takes 20~40 per stacking 1 section.

Model No.	Height above the Ground (m)	Allowable Loads (m ²) 45m/s	Concrete (m ³)	Mast Diameter Rotator	Volume of Package (m ³)	Weight (kg)
KT15R	15.0	4.2	2.0	Mentioned in the Tower Setup Guide	0.60	295
KT18R	17.5	3.6	2.5		0.70	360
KT20R	20.0	2.4	3.0		0.75	430
KT22R	22.3	1.4	4.0		0.80	495

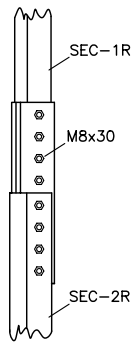
* Allowable loads denote the wind surface area of the antenna in the wind speed at 45m/s.

Equipment Supplied : Ratchet wrench for assembly, corch bolt

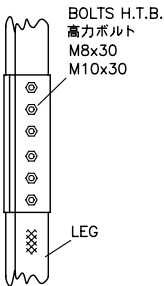
TOWER SCHEDULE タワー部材明細						KT-R SERIES
SECTION NO.	SPREAD DIMENSION 根開き M x N	TOWER LEG 主柱 SM-570	TOWER BRACE ブレース STK-400	JOINING BOLT 接合ボルト SCM-435	BRACING BOLT 組立ボルト SCM-435	WEIGHT 質量 KG
1T	370x320	C-34x25x34/2.6 Channel	φ 21.7 PIPE		M8x20 10.9	31
2T	370x320	C-38x25x38/2.6 Channel	φ 21.7 PIPE	6-M8x30 10.9	M8x20 10.9	31
1R	510x440	C-38x25x38/2.6 Channel	φ 21.7 PIPE	6-M8x30 10.9	M8x20 10.9	32
2R	655x565	C-40x35x40/3.2 Channel	φ 21.7 PIPE	8-M8x30 10.9	M8x20 10.9	40
3R	800x695	C-40x35x40/3.2 Channel	φ 21.7 PIPE	6-M8x30 10.9	M8x20 10.9	42
4R	940x815	C-43x35x43/4.0 Channel	φ 21.7 φ 25.4 PIPE	6-M8x30 10.9	M8x20 10.9	55
5RX	940x815	C-47x35x47/4.0 C-48x35x48/5.0	φ 25.4 PIPE	6-M10x30 10.9	M10x25 10.9	62 67
6RX	940x815	C-47x35x47/4.0 C-48x35x48/5.0	φ 21.7 PIPE φ 25.4	6-M10x30 10.9	M10x25 10.9	73 78

CMN-0911

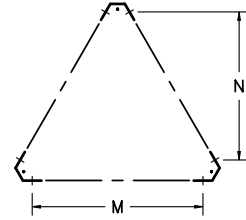
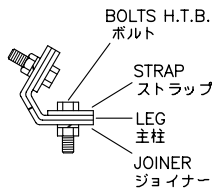
ANTENNA MAST MAX. φ61mm
(NOT FURNISHED)
アンテナ据付マスト(含まれていない)



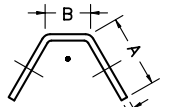
J3
LEG JOINT SECTION
主柱 接合部



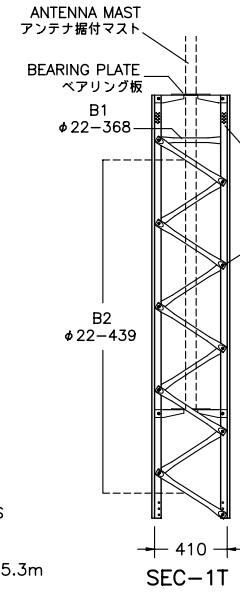
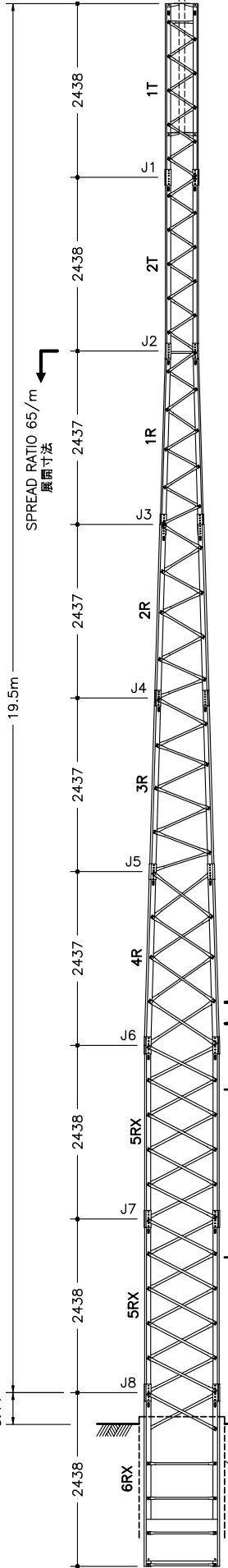
J2, J4~J8
LEG JOINT SECTION
主柱 接合部



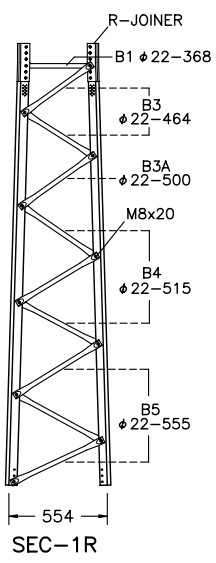
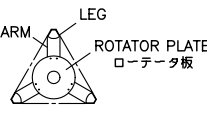
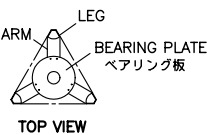
M-Nはボルト軸
SECTION DIMENSION (LOWER)
断面寸法 (下側)



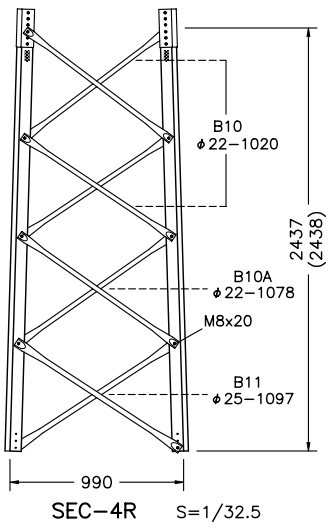
●は重心
TOWER LEG
主柱



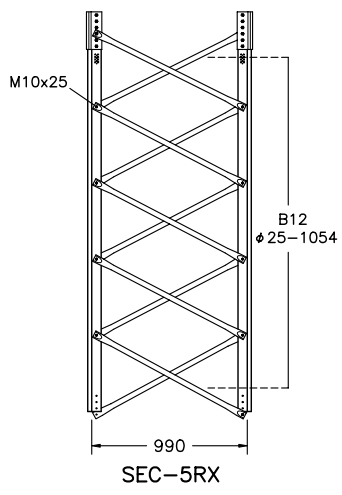
SEC-1T



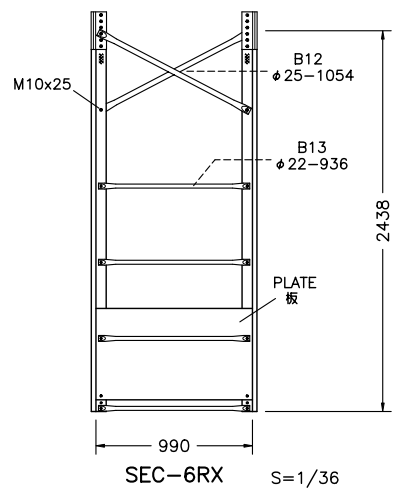
SEC-1R



SEC-4R S=1/32.5



SEC-5RX



SEC-6RX S=1/36

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寸法はミリメートル
2) MATERIALS: JIS STANDARD
材 料: JIS 規格品による
3) FINISH: HOT DIP GALVANIZED
仕 上: 溶融亜鉛メッキ

ELEVATION 立面
KT22R 22.3m
S=1/65

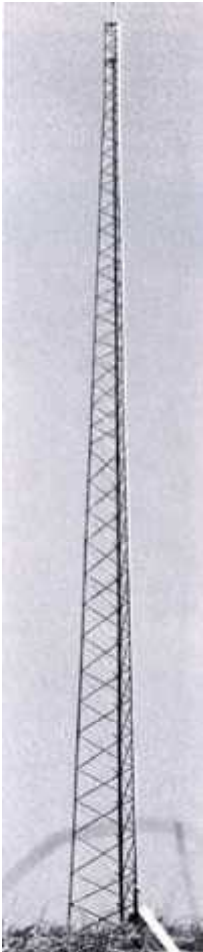


SELF-SUPPORTING 自立型タワー KT20R
COMMUNICATION TOWERS KT-R Series
CMN-0010 DWT.024

KT-S, SR Series

Tower Height, 20~25m

The Most Suitable For Large Antennas, The Most Standard In Self-Supporting Towers



KT22SR
22.3m/h

This KT-S, SR series towers are intended for a heavy and large-size antennas or where stronger wind resistance is required. Unlike the KT-C and R series of tower, the structure of this tower is tapered from the top to the foundation that gives high performance effectiveness for its weight and the cost that installable size of antenna is 3 m² or above. As the height is increased, size and the thickness of the bottom section is consequently increased. This tower is the typical type of a self-supporting tower standardly inherited its shape. The width of one face in the top section of this tower is 41 cm, and an antenna support mast of diameter up to 61 mm can be mounted on the top section where mount plate for rotator and thrust bearing is attached. These sections which consists of 2.44m long section can easily be hoisted and stacked toward the top using a jin pole and a rope. The dimension and construction example for each tower of standard foundation shows in the following table.

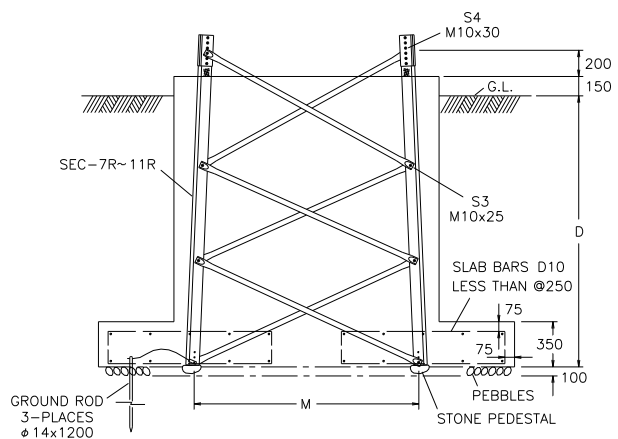
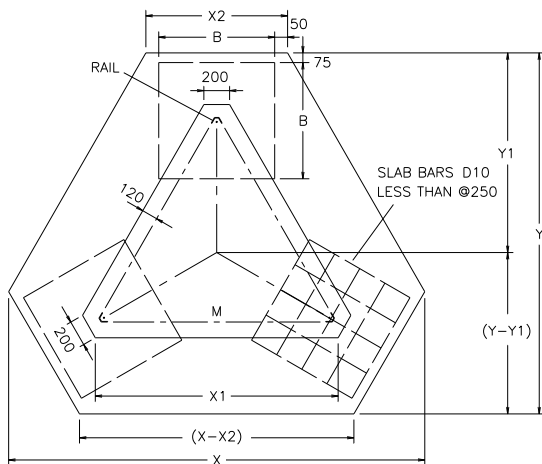
Model No.	Height above the Ground (m)	Allowable Loads (m ²) 45m/s	Face Width at Bottom Section (m)	Weight (kg)
KT20S	19.9	4.0	1.39	420
KT20SR	19.8	4.8	1.54	480
KT22S	22.3	3.0	1.54	505
KT22SR	22.3	3.5	1.76	570
KT25S	24.7	3.0	2.0	670
KT25SR	24.7	3.5	2.2	690
KT27SR	27.2	3.0	2.5	810

1. Allowable loads denote the wind surface area of the antenna in the wind speed at 45m/s.
2. Grounding fixtures for foundation is attached standard, slab reinforcing is optional.

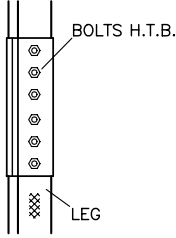
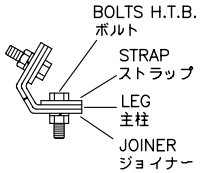
Dimension of Foundation

Model No.	X	Y	D	M	Concrete (m ³)
KT20S	2.4	2.1	2.0	1.4	4.0
KT20SR	2.7	2.3	2.1	1.6	5.2
KT22S	2.7	2.3	2.1	1.6	5.2
KT22SR	2.9	2.5	2.1	1.8	6.0
KT25S	3.5	3.0	2.2	2.0	8.1
KT25SR	3.8	3.3	2.2	2.2	9.7
KT27SR	3.9	3.4	2.2	2.5	12.0

Note: The figures in the table is assuming that the soil bearing is 7t/m² and dimension is in millimeter.

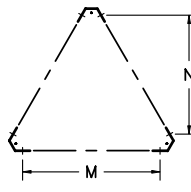
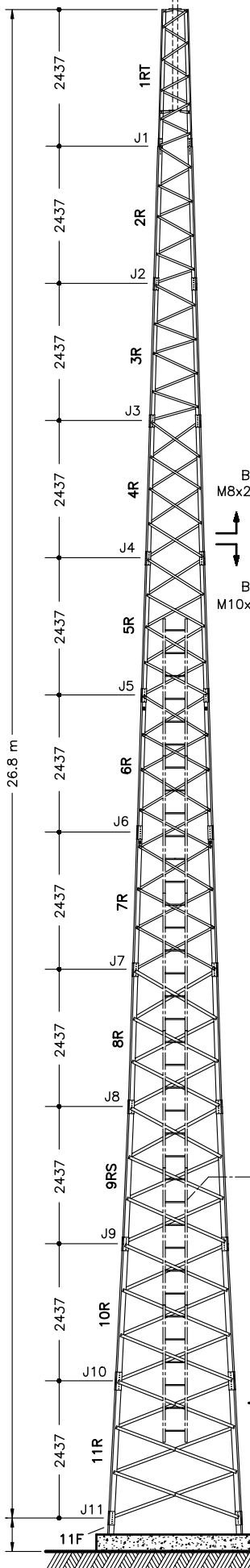


ANTENNA MAST MAX. $\phi 61\text{mm}$
(not furnished)
アンテナ据付マスト (含まれていない)

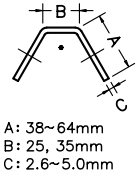


LEG JOINT SECTION
主柱 接合部

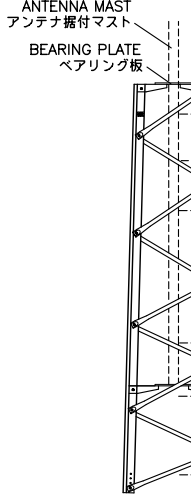
TOWER SCHEDULE タワー部材明細 KT-SR SERIES						
SECTION No.	SPREAD DIMENSION 根開き M x N	LEG 主柱 SM-570	BRACE ブレース STK-400	JOINTING BOLT 接合ボルト SCM-435 (10.9)	BRACING BOLT 組立ボルト SCM-435 (10.9)	WEIGHT 質量 kg
1RT	510x440	C-38x25x2.6 CHANNEL	$\phi 21.7$ PIPE		M8x20	36
2R	655x565	C-40x35x3.2 CHANNEL	$\phi 21.7$ PIPE	8-M8x30	M8x20	40
3R	795x690	C-40x35x3.2 CHANNEL	$\phi 21.7$ PIPE	6-M8x30	M8x20	42
4R	935x810	C-43x35x4.0 CHANNEL	$\phi 21.7$ PIPE	6-M8x30	M8x20	55
5R	1090x945	C-45x35x4.0 CHANNEL	$\phi 25.4$ PIPE	6-M10x30	M10x25	62
6R	1240x1075	C-47x35x4.0 CHANNEL	$\phi 27.2$ PIPE	6-M10x30	M10x25	62
7R	1390x1205	C-48x35x5.0 CHANNEL	$\phi 27.2$ PIPE	6-M10x30	M10x25	67
8R	1540x1335	C-52x35x5.0 CHANNEL	$\phi 34.0$ PIPE	6-M10x30	M10x25	89
9RS	1745x1510	C-55x35x5.0 CHANNEL	$\phi 34.0$ PIPE	6-M10x30	M10x25	96
10R	1990x1725	C-58x35x5.0 CHANNEL	$\phi 34.0$ PIPE	6-M10x30	M10x25	102
11R	2240x1940	C-64x35x5.0 CHANNEL	L-40 BAR	8-M10x30	M10x25	122
11F	2500x2170	C-64x35x5.0 CHANNEL	L-30 BAR	8-M10x30	M10x25	100



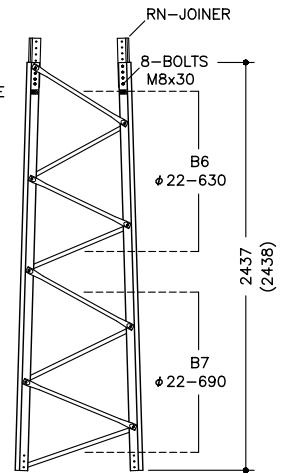
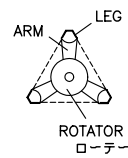
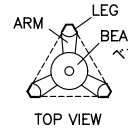
SECTION DIMENSION (LOWER)
断面寸法 (下側)



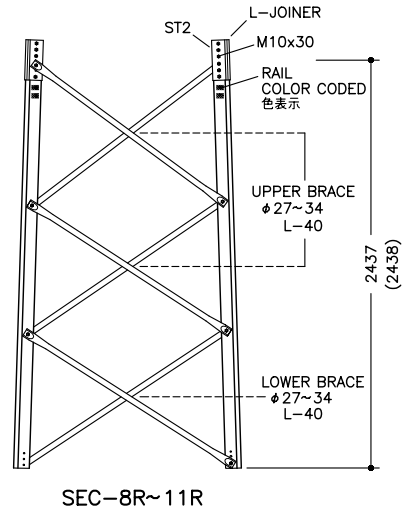
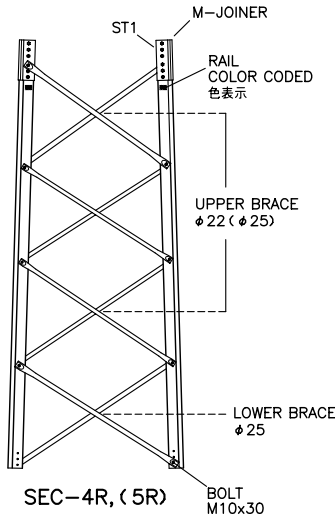
TOWER LEG
主柱



SEC-1RT



SEC-2R



- NOTES:
1. DIMENSIONS IN MILLIMETRES 寸法はミリメートル
 2. MATERIALS: JIS. STANDARD 材料: JIS. 規格による
 3. FINISH: HOT DIP GALVANI ZED 仕上: 溶融亜鉛メッキ



Creative Design Corp.

COMMUNICATION TOWERS KT-SR Series

KT25SR, KT27SR

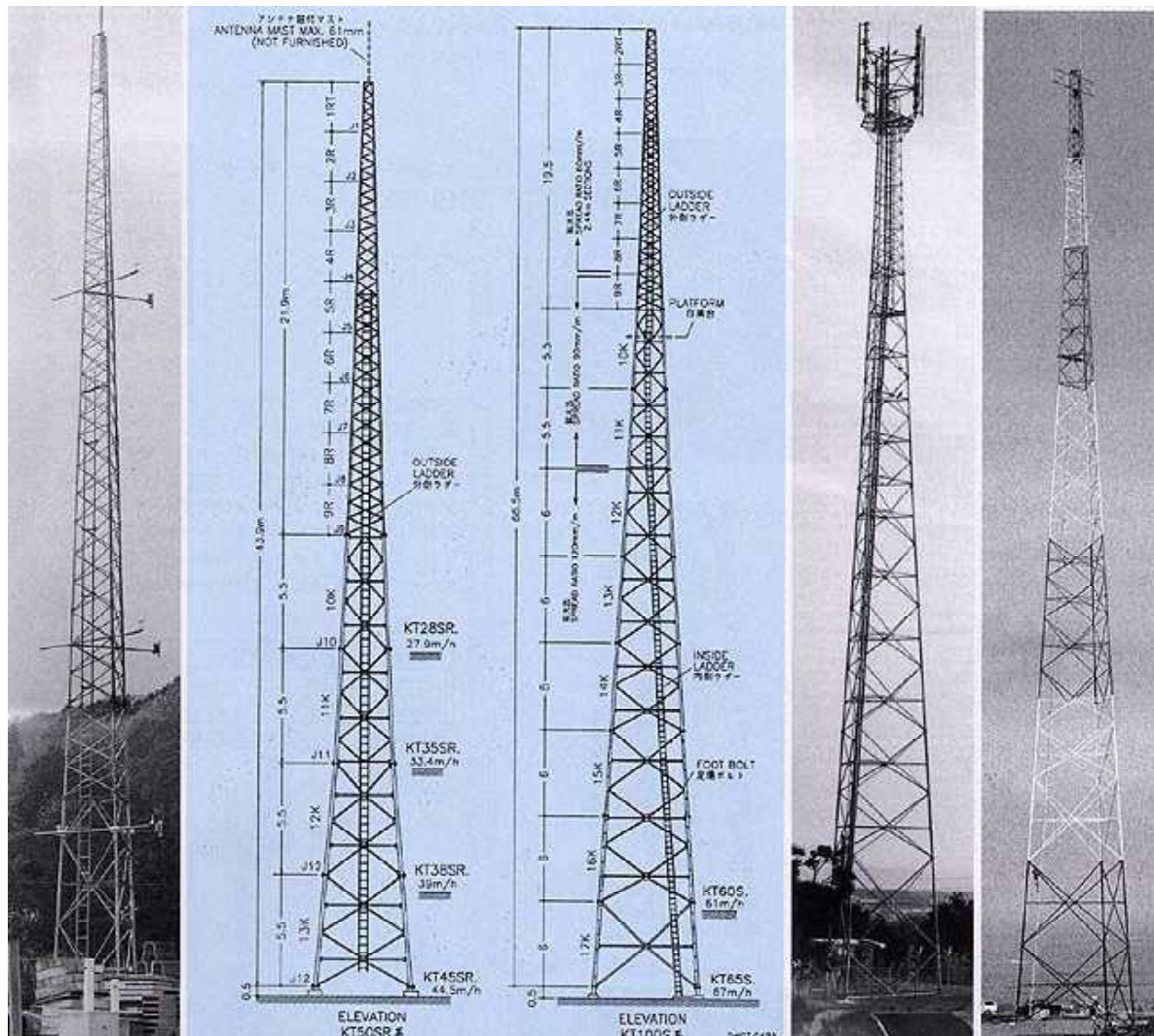
CMN-1308 DWT.013E

ELEVATION
立面

S = 1/80

KT-50SR Family, KT-100S Family

Tower Height, 28~50m
For a Middle to Large and an Extra-Large Antennas



This KT-50SR Family of the tower, is a self-supporting tower offering the tower height from 28 to 50m designed for install a middle to large size of antennas. The tower structure is exceptionally strong that channel type of main post used in KT-25SR family tower is used in the upper section while tubing type of main post in the tower section is used in the lower section offering high strength of structure. In the lower part of section in the tower where need for the high strength uses an unique bracing structures which fit to the tubing structural main post that fitted properly with proper joint system with each other. Outer side of the tower from lower section up to the SEC-5R, the ladder is equipped standard so that makes construction perform smoother for easy ascending. Considering the workability of the tower construction, the foundation units is the type of main post structure enable to bury reinforcing steels supplied.

KT50SR Family				
Model No.	Height above the Ground (m)	Allowable Loads (m ²) 45m/s	Face Width at Bottom Section (m)	Weight (kg)
KT28SR	27.9	3.9	2.27/10K	800
KT35SR	33.4	3.6	2.78/11K	1,190
KT38SR	39.0	3.2	3.71/12K	1,650
KT45SR	44.5	2.5	4.64/13K	2,250
KT50SR	49.9	2.0	5.57/14K	2,930

Allowable Loads : Allowable loads denote wind surface area of antenna when the wind speed at 45m/s.

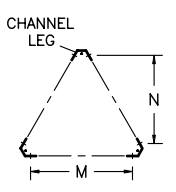
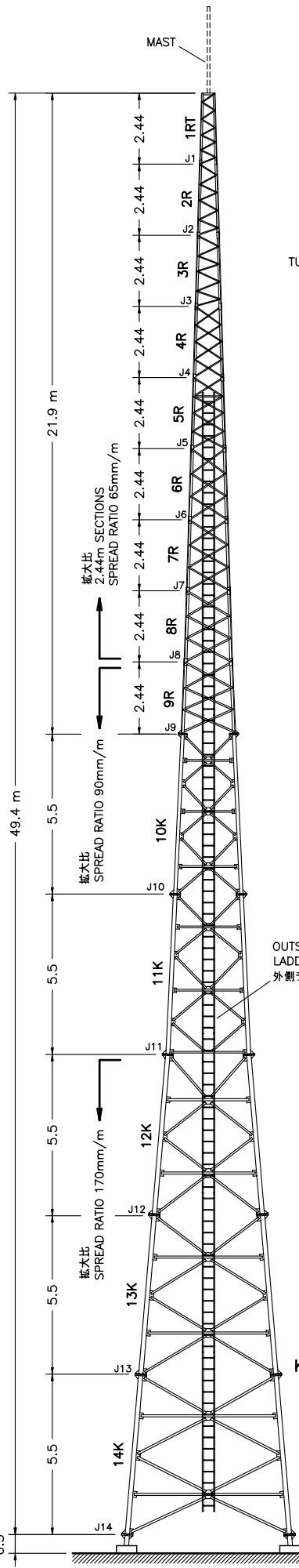
This KT-100S family, is a self-supporting tower of 60~100m height designed to intended for put a middle to large size of antennas on the top of the tower. It enables to put a extra large of antenna if large and thicker diameter tubings of section is used in the upper section instead of thin and slim section used in upper sections. Overall structure of the tower is almost the same as that of KT-50SR family, but lower sections from 12K~23K (for KT100S) is constructed with 6m long. The ladder is quipped inner side of the tower from below the section 10K in the meanwhile is extended outer side from above the section 10K. Furthermore, the lower side of the main most below the section 15K is fabricated with a step-bolt for the sake of safer workability for performing construction. The foundation is supplied standard with the main posts of ground bury-type and grounding fixtures. Reinforcing fixtures are optional.

KT100SR Family, Typical Models				
Model No.	Height above the Ground (m)	Allowable Loads (m ²) 45m/s	Face Width at Bottom Section (m)	Weight (kg)
KT60S	61.0	4.0	6.4/16K	4,660
KT75S	73.0	3.7	8.0/18K	7,110
KT80S	79.0	3.6	8.9/19K	8,560
KT90S	91.0	3.3	10.7/21K	12,160
KT100S	103.0	3.0	12.5/23K	16,810

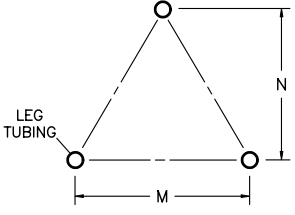
Allowable Loads : Allowable loads denote wind surface area of antenna when the wind speed at 45 m/s.

TOWER SCHEDULE KT50SR AND BELOW					鉄塔明細 KT50SR 以下	
SECTION No. 節	SPREAD DIMENSION M x N(m)	LEG 主柱 SS400 SM570	BRACE 斜材 STK400	JOINTING 接合 BOLT HT.	BRACING 斜材 BOLT HT.	WEIGHT 重 kg
1RT	510x440	CHANNEL C-38x25x2.6	TUBE φ21.7		M8x20 10.9	36
2R	655x565	CHANNEL C-40x35x3.2	TUBE φ21.7	8-M8x30 10.9	M8x20 10.9	40
3R	795x690	CHANNEL C-40x35x3.2	TUBE φ21.7	6-M8x30 10.9	M8x20 10.9	42
4R	935x810	CHANNEL C-43x35x4.0	TUBE φ21.7	6-M8x30 10.9	M8x20 10.9	55
5R	1090x945	CHANNEL C-45x35x4.0	TUBE φ25.4	6-M10x30 10.9	M10x20 10.9	62
6R	1240x1075	CHANNEL C-47x35x4.0	TUBE φ27.2	6-M10x30 10.9	M10x25 10.9	62
7R	1390x1205	CHANNEL C-48x35x5.0	TUBE φ27.2	6-M10x30 10.9	M10x25 10.9	67
8R	1540x1335	CHANNEL C-52x35x5.0	TUBE φ34.0	6-M10x30 10.9	M10x25 10.9	89
9R	1750x1515	CHANNEL C-58x35x5.0	TUBE φ34.0	6-M10x30 10.9	M10x25 10.9	106
10K	2270x1965	TUBE φ76.3x5500	φ34.0 TUBE 40x40 CHANNEL	4-M16x70 10.9	M10, M12 10.9	320
11K	2780x2410	TUBE φ89.1x5500	φ38.1 TUBE 40x40 CHANNEL	4-M16x70 10.9	M10, M12 10.9	390
12K	3710x3210	TUBE φ101.6x5500	TUBE φ42.7	4-M16x70 10.9	M12 10.9	510
13K	4640x4020	TUBE φ101.6x5500	TUBE φ42.7~48.6	6-M16x70 10.9	M12 10.9	560
14K	5570x4820	TUBE φ101.6x5500	TUBE φ42.7~60.5	6-M16x70 10.9	M12 10.9	660

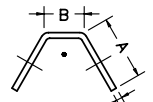
CMN-0505



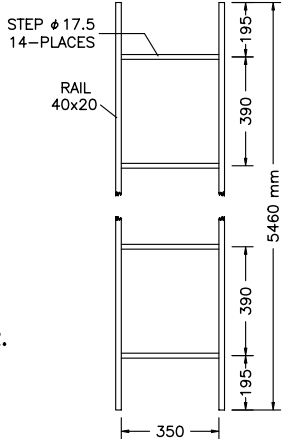
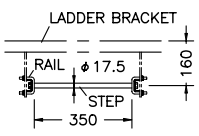
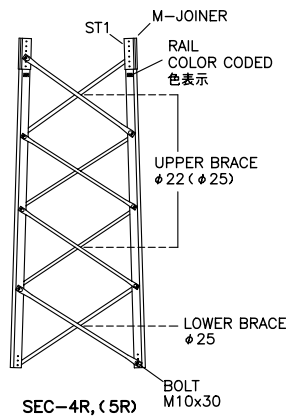
SEC. 1T THRU 9R



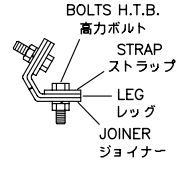
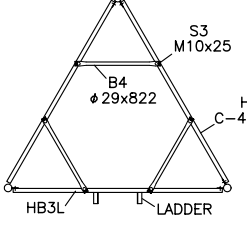
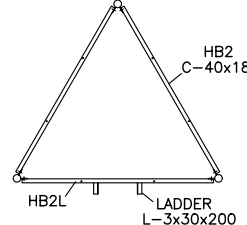
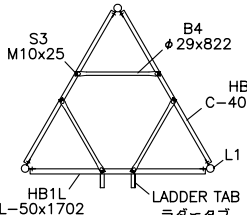
SEC. 10K THRU 11K



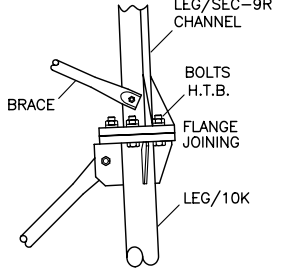
TOWER LEG 主柱



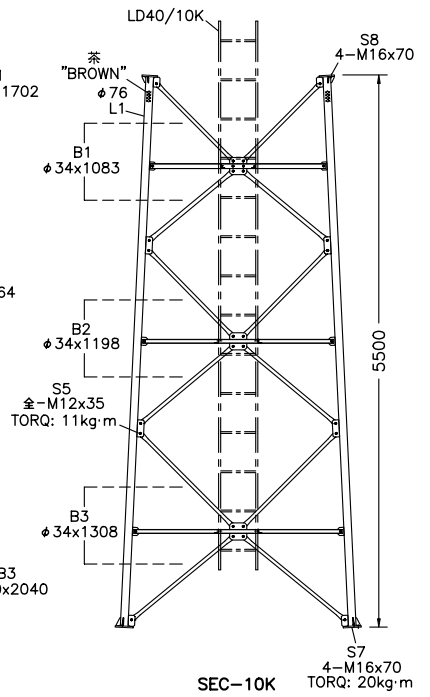
LADDER, LD40 ラダー



LEG JOINT SECTION 主柱 接合部



JOINT SECTION J9 主柱 接合部



SEC-10K

- NOTES: 1. DIMENSIONS IN MILLIMETRES
寸法はミリメートル
2. MATERIALS: JIS STANDARD
材 料: JIS規格による
3. FINISH: HOT DIP GALVANI ZED
仕 上: 溶融亜鉛メッキ



Creative Design Corp.
COMMUNICATION TOWERS

KT45SR, KT50SR
KT-SR Series

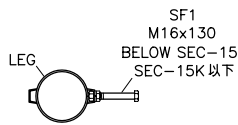
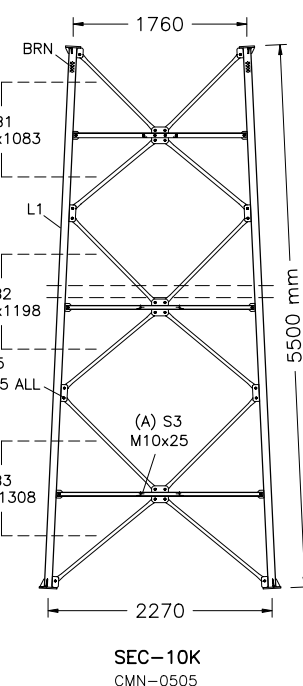
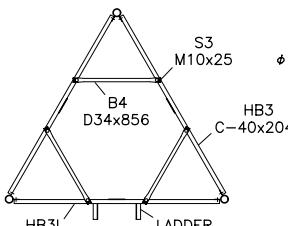
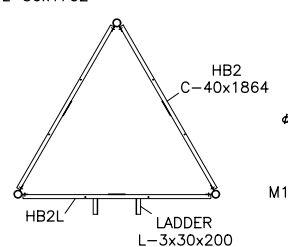
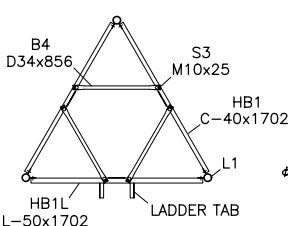
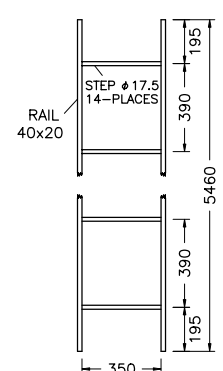
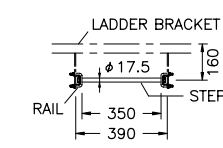
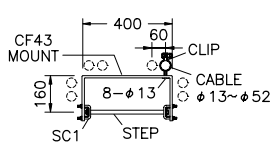
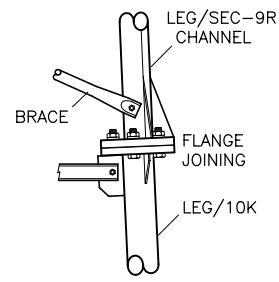
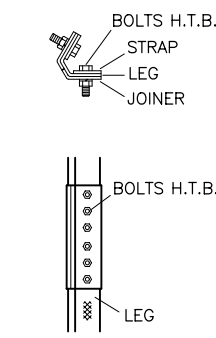
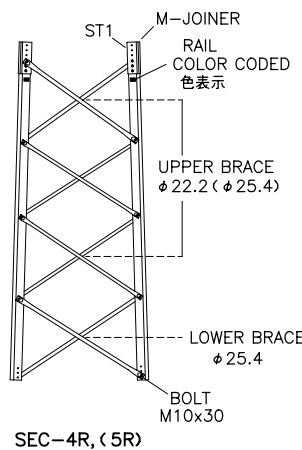
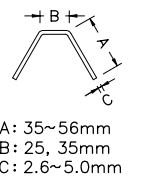
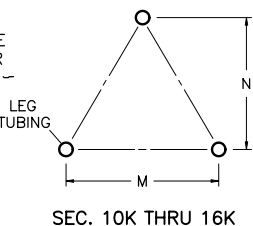
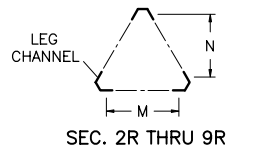
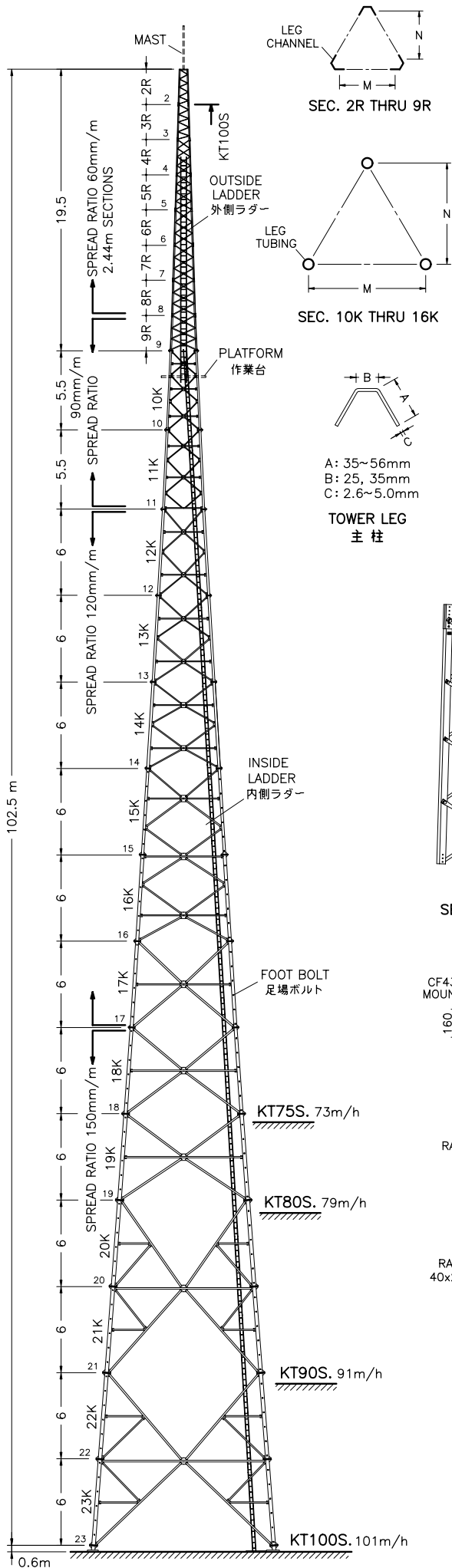
CMN-0010 DWT.018

ELEVATION
KT45SR, KT50SR

TOWER SCHEDULE KT100S AND BELOW 鉄塔明細 KT100S 以下						
SECTION No. 節	SPREAD DIMENSION M x N	LEG 主柱 SM-570 STK-400	BRACE 斜材 STK400 STKM-13A	JOINTING 接合 BOLT ボルト SCM435	BRACING 斜材 BOLT ボルト SCM435	WEIGHT 重 kg
2R thru 9R (3R~9R)	0.51x0.44 1.76x1.53	CHANNEL x2438	TUBE φ22, φ25, φ34	3x18-M8x30 3x18-M10x30	M8x20 M10x25	520 (480)
10K	2.27x1.97	TUBE φ76.3x5500	TUBE φ34, φ38	3x4-M16x60	M10x25 M10x35	330
11K	2.78x2.41	TUBE φ89.1x5500	TUBE φ34, φ38	3x4-M16x60	M10x25 M12x35	390
12K	3.49x3.02	TUBE φ102x6000	TUBE φ38, φ43	3x4-M16x60	M12x35	530
13K	4.21x3.65	TUBE φ102x6000	TUBE φ38, φ43	3x6-M16x70	M12x35	560
14K	4.94x4.28	TUBE φ114x6000	TUBE φ38~φ49	3x6-M16x70	M12x35 M16x40	680
15K	5.68x4.92	TUBE φ114x6000	TUBE φ43, φ49	3x8-M16x70	M12x35 M16x40	750
16K	6.43x5.57	TUBE φ140x6000	TUBE φ43~φ61	3x8-M16x70	M10x25 M16x40	900
17K	7.20x6.24	TUBE φ140x6000	TUBE φ49~φ76	3x8-M16x70	M16x40	1150
18K	8.04x6.96	TUBE φ140x6000	TUBE φ49~φ76	3x8-M16x70	M16x40	1300
19K	8.90x7.71	TUBE φ165x6000	TUBE φ49~φ76	3x8-M20x80	M16x40	1550
20K	9.78x8.47	TUBE φ165x6000	TUBE φ49~φ76	3x8-M20x80	M16x40	1300
21K	10.68x9.25	TUBE φ165x6000	TUBE φ49~φ76	3x8-M20x80	M16x40	1700
22K	11.6x10.05	TUBE φ165x6000	TUBE φ61~φ89	3x8-M20x80	M16x40	1550
23K	12.5x10.83	TUBE φ165x6000	TUBE φ61~φ89	3x8-M20x80	M16x40	2000

(KT100S)

- NOTES: 1. DIMENSIONS IN MILLIMETRES 寸法はミリメートル
 2. MATERIALS: JIS STANDARD 材料: JIS. 規格による
 3. FINISH: HOT DIP GALVANI ZED 仕上: 溶融亜鉛メッキ



KT100S, KT90S, KT80S, KT75S
SELF-SUPPORTING TOWER

ELEVATION
 KT100S AND BELOW S= 1/300