

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	K1670KT-T	Top Leg Clamp Kit for T1670KT Sectors	1
2	K1670KT-B	Bottom Leg Clamp Kit for T1670KT Sectors	1
3	K0080KT	Standoff Angle, 58.75" (ATT Heavy 5)	4
4	K0030KT4B	Brace Angle, 48" Long	4
5	K0070KT12	Face angle, 12.5" (ATT Heavy 5)	2
6	P1000KT12.5	2-3/8" OD Pipe, 150" Long	1
7	K1670KT-HW	Hardware Kit for T1670KT12	1

Load Ratings									
Load Ratings - Bare Condition for each pipe					Load Ratings - Iced Condition for each pipe				
Antenna Pipes per Sector	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Design Ice Thickness (ti) (in)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight
4	90	15.0	15.0	375	50	0.5	19.5	19.5	750

- Designed in accordance with ANSI/TIA-222-G
- Structure Class II
  - Galvanized Steel, A36 minimum grade
  - Exposure Category C (Rev G or H)
  - Topographic Category 1
  - Mount and antenna centerline at 300' AGL (use for gust and height factors)
  - Gust effect factor,  $G_h = 1.0$
  - Wind direction probability factor,  $K_d = 0.95$
  - 3-second gust basic wind speed, 50-year return, for bare conditions as noted in table
  - 3-second gust basic wind speed, 50-year return, considered simultaneously for iced conditions as noted in table

EPA of Base Unit
(EPA)N = ~19.00 ft <sup>2</sup>

**NOTES:**  
 The range of the stiffarms will be the following:  
 20 deg towards the tower (from perpendicular to the face angle)  
 30 deg away from the tower (from perpendicular to the face angle)

Antenna Pipes should be centered and evenly spaced.  
 Mount Classification: Satisfies Heavy 5



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ± 1/32 ANGULAR: ± 2° ONE PLACE DECIMAL: ± .06 TWO PLACE DECIMAL: ± .03 THREE PLACE DECIMAL: ± .010	NAME	DATE
INTERPRET GEOMETRIC TOLERANCING PER:	DRAWN	KAR 4/6/16
MATERIAL	CHECKED	
FINISH	ENG APPR.	
DO NOT SCALE DRAWING	MFG APPR.	

**KENWOOD TELECOM**

TITLE: Sector Frame, 12' Face (Heavy 5) Angle Face

SIZE **B** DWG. NO. **T1670KT12** REV

SCALE: 1:18 FINISHED WEIGHT: 433.66 lbs SHEET 1 OF 3

8 7 6 5 4 3 2 1

Connection Point E:  
Pivot Plate(slots) to Taper Adjustment  
Use Item #2, **5/8" x 2-1/4" Bolt Kits**

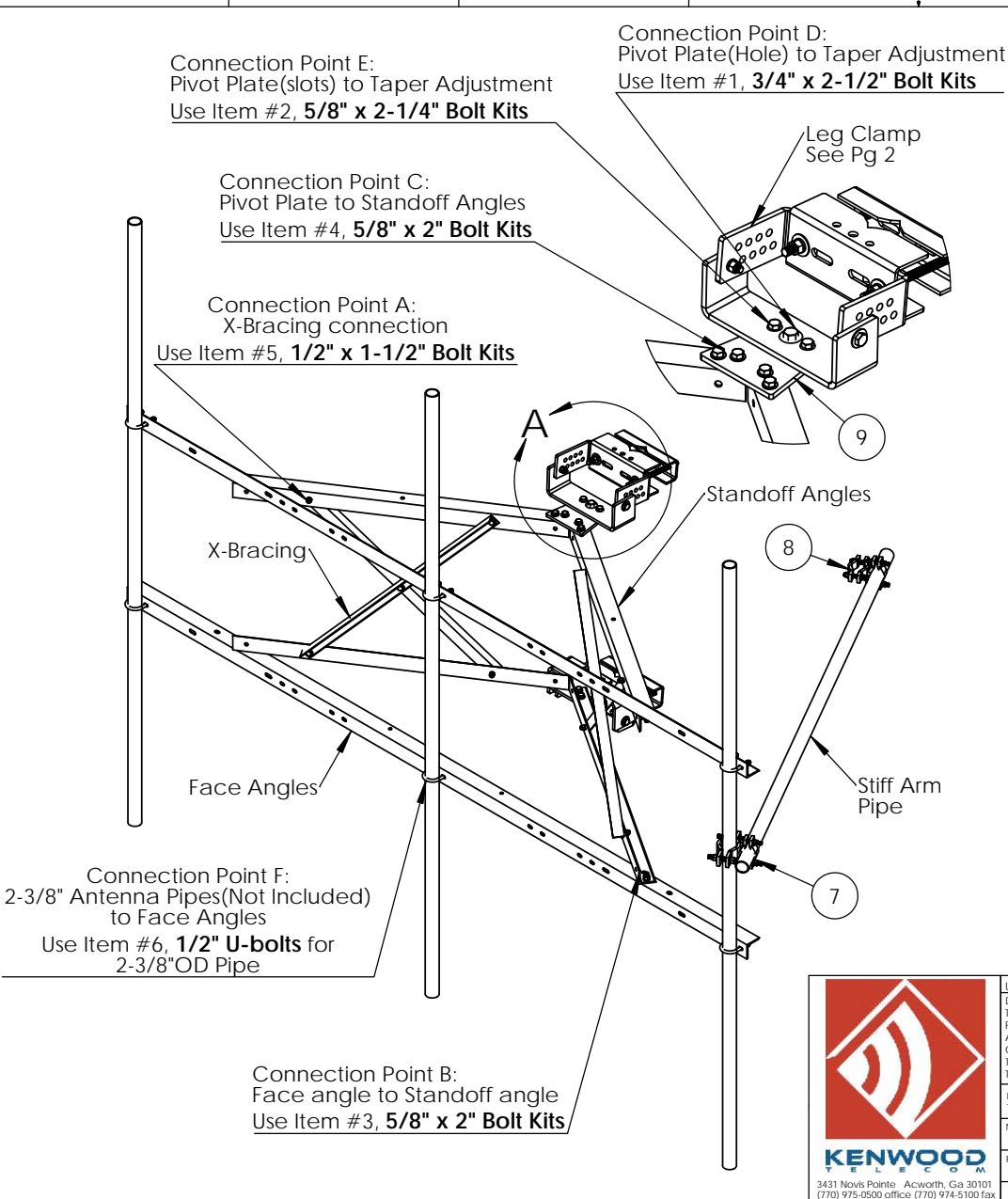
Connection Point D:  
Pivot Plate(Hole) to Taper Adjustment  
Use Item #1, **3/4" x 2-1/2" Bolt Kits**

Connection Point C:  
Pivot Plate to Standoff Angles  
Use Item #4, **5/8" x 2" Bolt Kits**

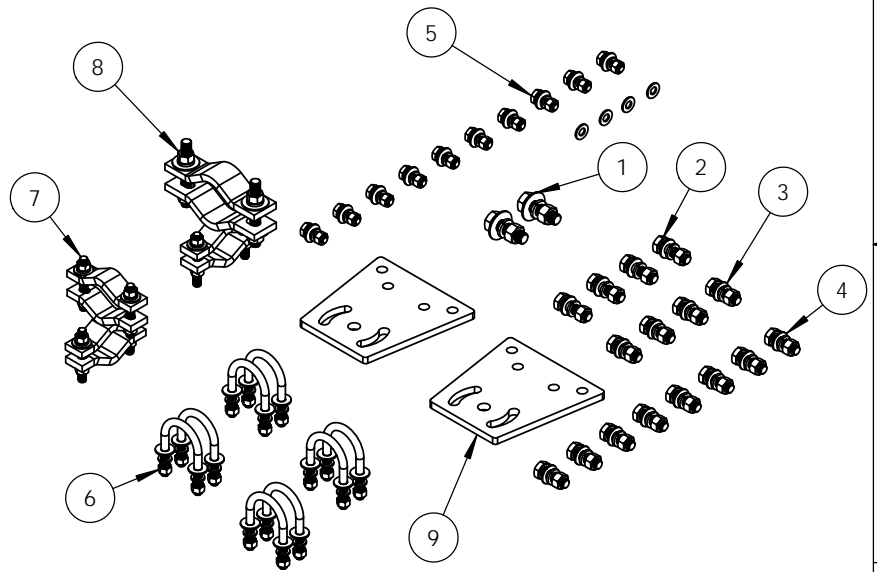
Connection Point A:  
X-Bracing connection  
Use Item #5, **1/2" x 1-1/2" Bolt Kits**

Connection Point F:  
2-3/8" Antenna Pipes(Not Included)  
to Face Angles  
Use Item #6, **1/2" U-bolts** for  
2-3/8"OD Pipe

Connection Point B:  
Face angle to Standoff angle  
Use Item #3, **5/8" x 2" Bolt Kits**



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	K1032KT212-2	3/4"X2-1/2" fastener kit A325 HDG (2)	1
2	K1029KT214-4	5/8" x 2-1/4" A325 bolt kit (4 bolts)	1
3	K1029KT2-4	A325 5/8"x2" Bolt Kit (4 ea)	1
4	K1029KT2-8	A325 5/8"x2" Bolt Kit (8 ea)	1
5	K1026KT112	A325 1/2"x1-1/2" Bolt Kit (10 ea)w/ (4) washers	1
6	K7941KT4-2	U-bolt kit, 2-3/8" OD pipe, (2 U-bolt)	4
7	K1004KT1	Crossover clamp kit , 2-3/8" x 2-3/8"	1
8	K1004KT2	Crossover clamp kit, 2-3/8" x 5"	1
9	K1120KT8	Pivot Plate (Heavy 5)	2



UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL: ± 1/32  
ANGULAR: ± 2°  
ONE PLACE DECIMAL: ± .06  
TWO PLACE DECIMAL: ± .03  
THREE PLACE DECIMAL: ± .010

INTERPRET GEOMETRIC TOLERANCING PER:

MATERIAL:

FINISH:

DO NOT SCALE DRAWING

NAME: KAR  
DATE: 5/19/16

CHECKED:

ENG APPR.:

MFG APPR.:

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF KENWOOD TELECOM. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF KENWOOD TELECOM IS PROHIBITED.

**KENWOOD TELECOM**

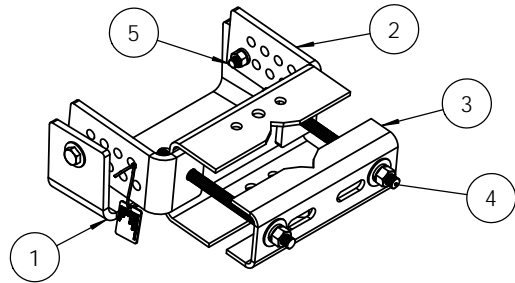
TITLE:  
**Sector Frame Hardware Kits for Heavy 5**

SIZE: **B** DWG. NO.: **K1670KT-HW** REV:

SCALE: 1:8 FINISHED WEIGHT: SHEET 2 OF 3

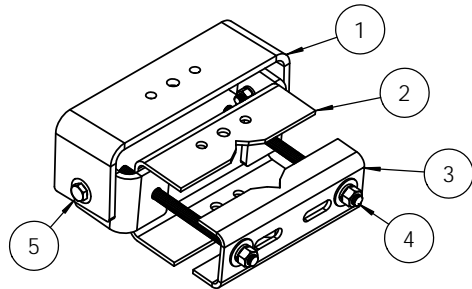
8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1



K1670KT-T - Top Leg Clamp Kit for T1670KT Sectors

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	K1670KT-02	Taper adjustment (Heavy 5)	1
2	K1670KT-01	Leg Channel, Top Clamp (Heavy 5)	1
3	K1672KT-04	Leg Channel, Inner (Heavys)	1
4	K2320KT18iA-2	Threaded rod kit 3/4" x 18" (Set of 2) HDG B7	1
5	K1029KT212-2	A325 5/8"x2-1/2" kit (2 ea)	1



K1670KT-B -Bottom Leg Clamp Kit for T1670KT Sectors

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	K1670KT-02	Taper adjustment (Heavy 5)	1
2	K1672KT-03	Leg Channel, Bottom Clamp (Heavys)	1
3	K1672KT-04	Leg Channel, Inner (Heavys)	1
4	K2320KT18iA-2	Threaded rod kit 3/4" x 18" (Set of 2) HDG B7	1
5	K1029KT212-2	A325 5/8"x2-1/2" kit (2 ea)	1

D

C

B

A



D

C

B

A

8 7 6 5 4 3 2 1

 <p><b>KENWOOD TELECOM</b> 3431 Novis Pointe Acworth, Ga 30101 (770) 975-0500 office, (770) 974-5100 fax</p>	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ± 1/32 ANGULAR: ± 2° ONE PLACE DECIMAL: ± .06 TWO PLACE DECIMAL: ± .03 THREE PLACE DECIMAL: ± .010	NAME: KAR DATE: 5/19/16	 <p><b>KENWOOD TELECOM</b></p>		
	INTERPRET GEOMETRIC TOLERANCING PER:	DRAWN: KAR CHECKED:		TITLE: Sector Frame Leg Clamp Assemblies for Heavy 5	
	MATERIAL: FINISH:	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF KENWOOD TELECOM. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF KENWOOD TELECOM IS PROHIBITED.		ENG APPR.: MFG APPR.:	SIZE: DWG. NO. K1670KT-T / K1670KT-B REV C
	DO NOT SCALE DRAWING	SCALE: 1:8		FINISHED WEIGHT:	SHEET 3 OF 3