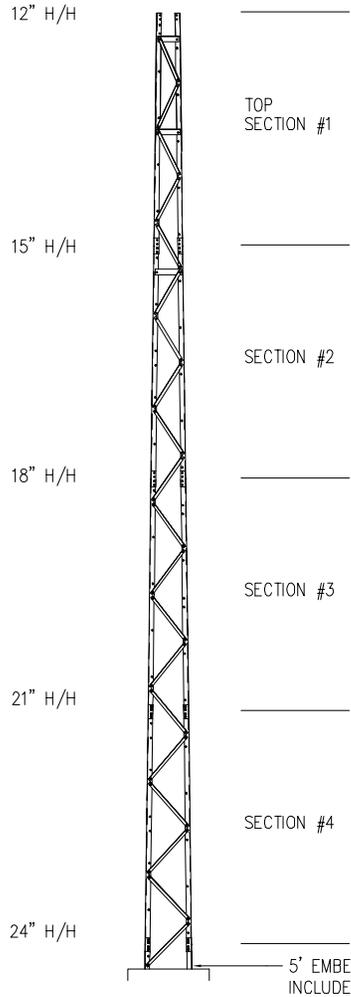


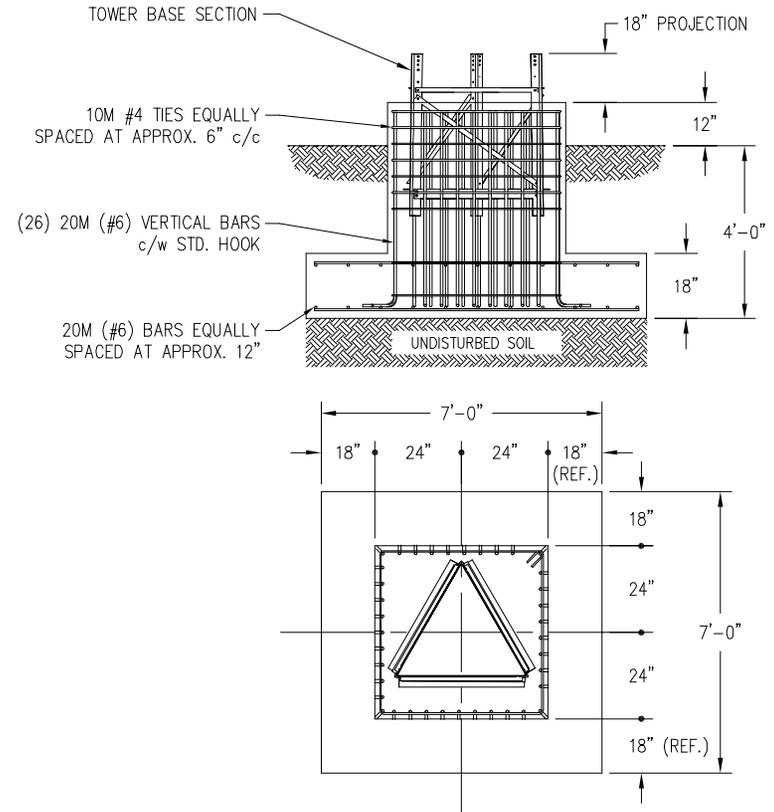
40FT S100 SUPERTITAN TOWER



C A N N A D A	MAXIMUM ALLOWABLE ANTENNA AREA - PER CSA-S37-01								
	ROUND ANTENNA MEMBER / FLAT ANTENNA MEMBER								
	CLASS 1 (10mm ICE)			CLASS 1 (25mm ICE)			CLASS 3 (25mm ICE)		
	350Pa	450Pa	550Pa	350Pa	450Pa	550Pa	350Pa	450Pa	550Pa
	27/19	16/11	10/7	23/16	14/10	9/8	42/28	28/19	20/13

FOUNDATION LOADS:  
 MAX. OVERTURNING MOMENT (K\*FT) =  
 MAX. SHEAR (kips) =  
 MAX. AXIAL (kips) =

FOUNDATION DESIGN (NORMAL DRY SOIL)  
 DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
2.7	2.1	4.8

- NOTES: 1) KNOCK-DOWN PART NUMBER 5.94.0100.040.  
 2) PRE-ASSEMBLED PART NUMBER: 5.95.0100.040.  
 3) ANTENNA LOADS ARE CENTRALLY LOCATED AND BALANCED, 3-FT OR LESS ABOVE THE TOWER TOP.  
 4) WIND LOADING ASSUMES (1) 1/2" TRANSMISSION LINE PER 10 SQ.FT. OF ROUND MEMBER ANTENNA AREA.

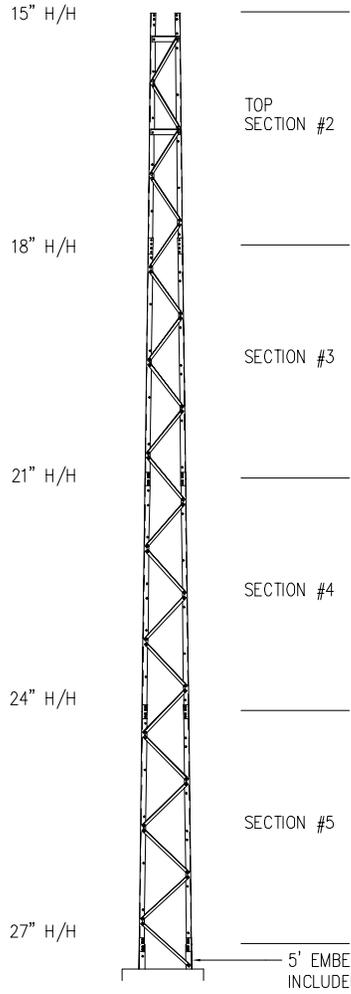
REV.	REV. BY:	CHK. BY:	DESCRIPTION	DATE

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CUSTOMER:	SITE:	SCALE: 65,000
DATE: 18 FEB 07	BY: MRH	CHK: APP:
TITLE: 40' S100 SUPERTITAN TOWER	DRAWING NO. 000001.620.0283	

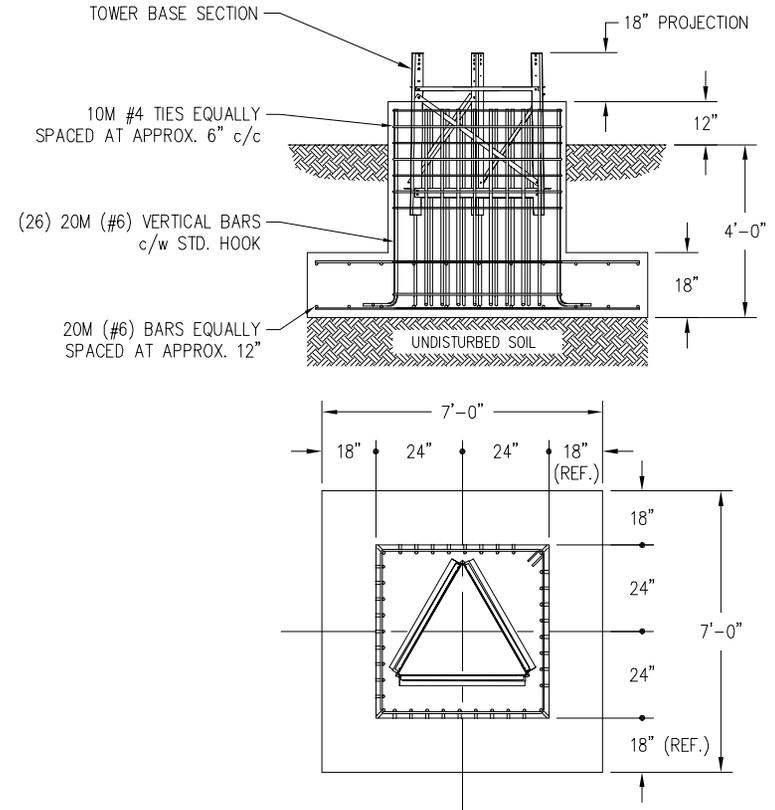
40FT S200 SUPERTITAN TOWER



C A N N A D A	MAXIMUM ALLOWABLE ANTENNA AREA - PER CSA-S37-01								
	ROUND ANTENNA MEMBER / FLAT ANTENNA MEMBER								
	CLASS 1 (10mm ICE)			CLASS 1 (25mm ICE)			CLASS 3 (25mm ICE)		
	350Pa	450Pa	550Pa	350Pa	450Pa	550Pa	350Pa	450Pa	550Pa
	32/22	20/14	12/8	30/21	20/14	10/7	50/33	34/23	23/15

FOUNDATION LOADS:  
 MAX. OVERTURNING MOMENT (K\*FT) =  
 MAX. SHEAR (kips) =  
 MAX. AXIAL (kips) =

FOUNDATION DESIGN (NORMAL DRY SOIL)  
 DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
2.7	2.1	4.8

- NOTES: 1) KNOCK-DOWN PART NUMBER 5.94.0200.040.  
 2) PRE-ASSEMBLED PART NUMBER: 5.95.0200.040.  
 3) ANTENNA LOADS ARE CENTRALLY LOCATED AND BALANCED, 3-FT OR LESS ABOVE THE TOWER TOP.  
 4) WIND LOADING ASSUMES (1) 1/2" TRANSMISSION LINE PER 10 SQ.FT. OF ROUND MEMBER ANTENNA AREA.

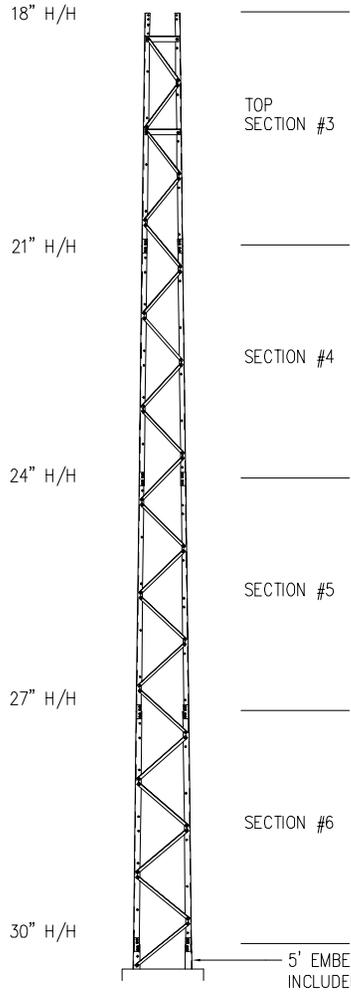
REV.	REV. BY:	CHK. BY:	DESCRIPTION	DATE

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CUSTOMER:	SITE:	SCALE: 65,000
DATE: 18 FEB 07	BY: MRH	CHK: APP:
TITLE: 40' S200 SUPERTITAN TOWER	DRAWING NO. 000001.620.0284	

# 40FT S300 SUPERTITAN TOWER

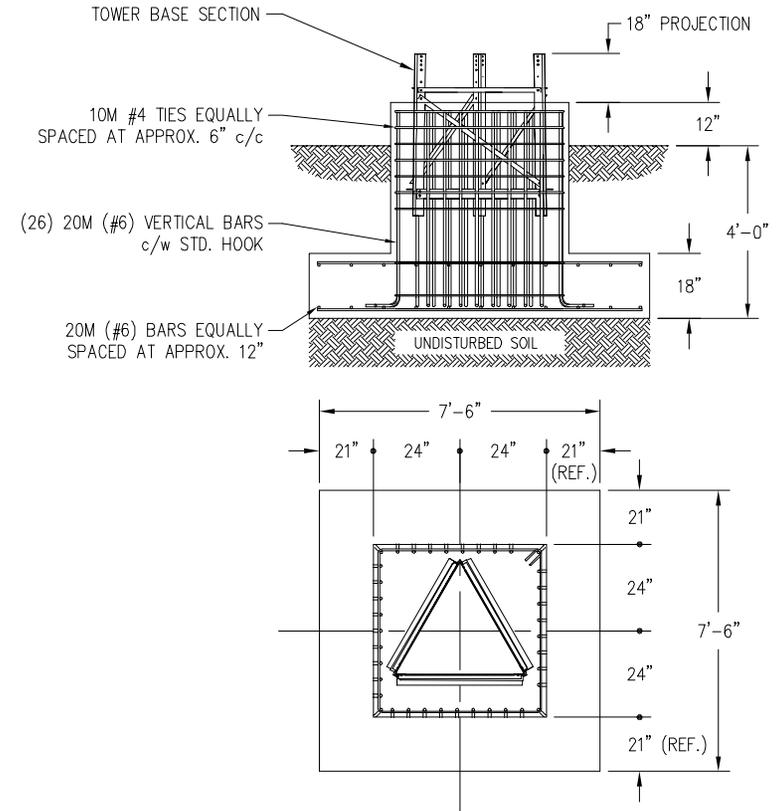


C A N A D A									
MAXIMUM ALLOWABLE ANTENNA AREA - PER CSA-S37-01									
ROUND ANTENNA MEMBER / FLAT ANTENNA MEMBER									
CLASS 1 (10mm ICE)			CLASS 1 (25mm ICE)			CLASS 3 (25mm ICE)			
350Pa	450Pa	550Pa	350Pa	450Pa	550Pa	350Pa	450Pa	550Pa	
54/38	39/27	29/20	53/37	39/27	29/20	79/53	58/39	44/39	

FOUNDATION LOADS:  
 MAX. OVERTURNING MOMENT (K\*FT) =  
 MAX. SHEAR (kips) =  
 MAX. AXIAL (kips) =

## FOUNDATION DESIGN (NORMAL DRY SOIL)

DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
3.1	2.1	5.2

- NOTES:
- 1) KNOCK-DOWN PART NUMBER 5.94.0300.040.
  - 2) PRE-ASSEMBLED PART NUMBER: 5.95.0300.040.
  - 3) ANTENNA LOADS ARE CENTRALLY LOCATED AND BALANCED, 3-FT OR LESS ABOVE THE TOWER TOP.
  - 4) WIND LOADING ASSUMES (1) 1/2" TRANSMISSION LINE PER 10 SQ.FT. OF ROUND MEMBER ANTENNA AREA.

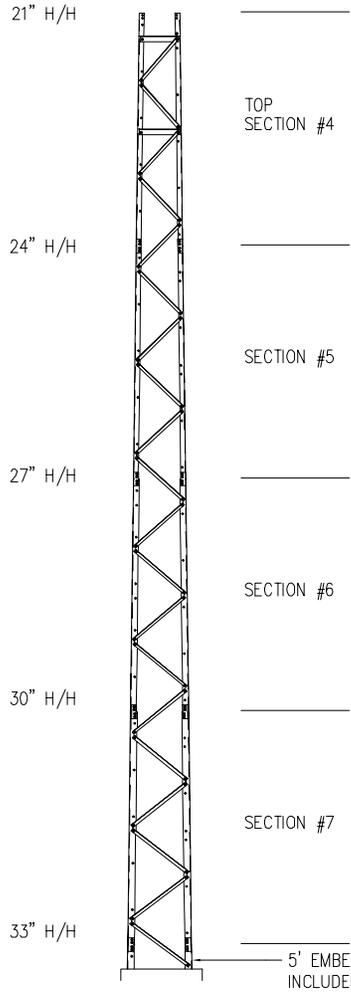
REV.	REV. BY:	CHK. BY:	DESCRIPTION	DATE

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CUSTOMER:	SITE:	SCALE: 65,000
DATE: 18 FEB 07	BY: MRH	CHK: APP:
TITLE: 40' S300 SUPERTITAN TOWER		DRAWING NO. 000001.620.0285

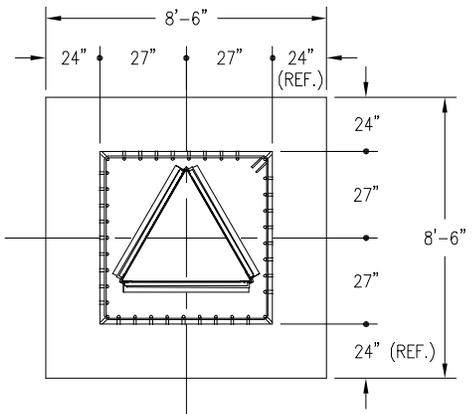
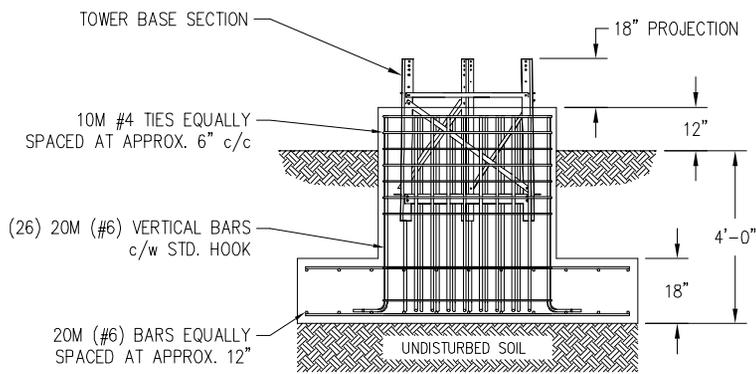
40FT S400 SUPERTITAN TOWER



C A N A D A	MAXIMUM ALLOWABLE ANTENNA AREA - PER CSA-S37-01								
	ROUND ANTENNA MEMBER / FLAT ANTENNA MEMBER								
	CLASS 1 (10mm ICE)			CLASS 1 (25mm ICE)			CLASS 3 (25mm ICE)		
	350Pa	450Pa	550Pa	350Pa	450Pa	550Pa	350Pa	450Pa	550Pa
	106/75	80/57	63/45	105/75	80/57	61/43	138/92	104/69	83/55

FOUNDATION LOADS:  
 MAX. OVERTURNING MOMENT (K\*FT) =  
 MAX. SHEAR (kips) =  
 MAX. AXIAL (kips) =

FOUNDATION DESIGN (NORMAL DRY SOIL)  
 DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
4.0	2.6	6.6

- NOTES: 1) KNOCK-DOWN PART NUMBER 5.94.0400.040.  
 2) PRE-ASSEMBLED PART NUMBER: 5.95.0400.040.  
 3) ANTENNA LOADS ARE CENTRALLY LOCATED AND BALANCED, 3-FT OR LESS ABOVE THE TOWER TOP.  
 4) WIND LOADING ASSUMES (1) 1/2" TRANSMISSION LINE PER 10 SQ.FT. OF ROUND MEMBER ANTENNA AREA.

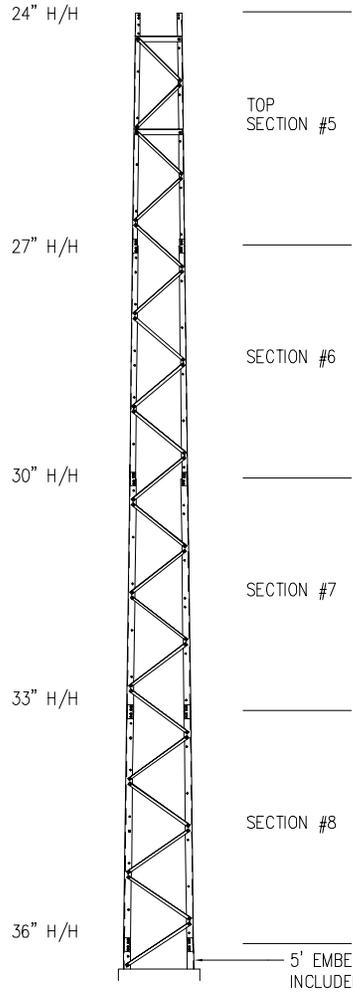
REV.	REV. BY:	CHK. BY:	DESCRIPTION	DATE

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CUSTOMER:	SITE:	SCALE: 65,000
DATE: 18 FEB 07	BY: MRH	CHK: APP:
TITLE: 40' S400 SUPERTITAN TOWER	DRAWING NO. 000001.620.0286	

# 40FT S500 SUPERTITAN TOWER

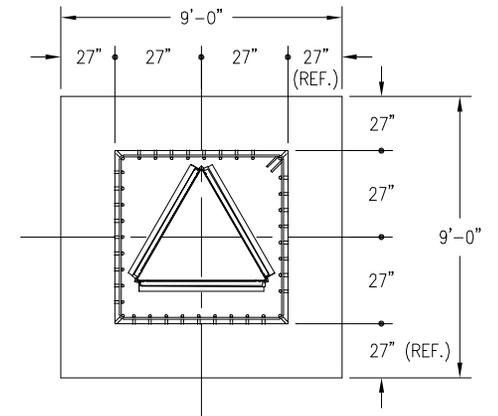
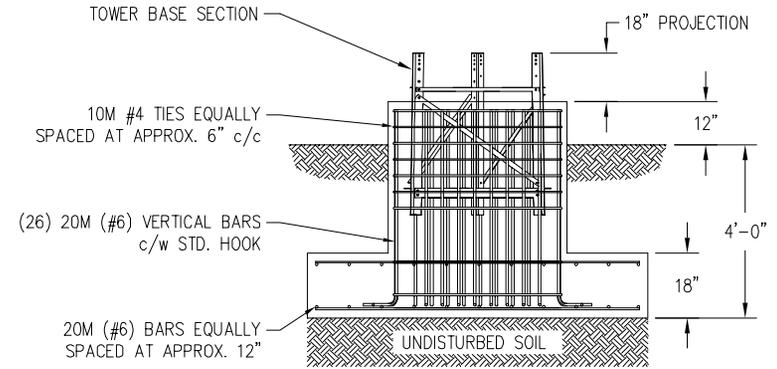


C A N A D A	MAXIMUM ALLOWABLE ANTENNA AREA - PER CSA-S37-01								
	ROUND ANTENNA MEMBER / FLAT ANTENNA MEMBER								
	CLASS 1 (10mm ICE)			CLASS 1 (25mm ICE)			CLASS 3 (25mm ICE)		
	350Pa	450Pa	550Pa	350Pa	450Pa	550Pa	350Pa	450Pa	550Pa
	128/91	92/65	68/48	120/85	87/62	67/47	180/120	133/89	104/69

FOUNDATION LOADS:  
 MAX. OVERTURNING MOMENT (K\*FT) =  
 MAX. SHEAR (kips) =  
 MAX. AXIAL (kips) =

## FOUNDATION DESIGN (NORMAL DRY SOIL)

DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
4.5	2.6	7.1

- NOTES: 1) KNOCK-DOWN PART NUMBER 5.94.0500.040.  
 2) PRE-ASSEMBLED PART NUMBER: 5.95.0500.040.  
 3) ANTENNA LOADS ARE CENTRALLY LOCATED AND BALANCED, 3-FT OR LESS ABOVE THE TOWER TOP.  
 4) WIND LOADING ASSUMES (1) 1/2" TRANSMISSION LINE PER 10 SQ.FT. OF ROUND MEMBER ANTENNA AREA.

REV.	REV. BY:	CHK. BY:	DESCRIPTION	DATE

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CUSTOMER:	SITE:	SCALE: 65,000
DATE: 18 FEB 07	BY: MRH	CHK: APP:
TITLE: 40' S500 SUPERTITAN TOWER	DRAWING NO. 000001.620.0287	