



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

November 6, 2000

Sandy M. Carter
Verizon Wireless
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492

RE: **TS-VER-048-001013** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 101 Burbank Road, Ellington, Connecticut.

Dear Ms. Carter:

At a public meeting held November 2, 2000, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated October 12, 2000.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/laf

c: Honorable Michael P. Stupinski, First Selectman, Town of Ellington
Wayne Kemp, Crossroads Site Management LLC

TS-VER-048-001013

Network Dept.

RECEIVED

OCT 13 2000

CONNECTICUT
SITING COUNCIL

verizonwireless

Verizon Wireless
20 Alexander Drive
Wallingford, Connecticut 06492

October 12, 2000

Mr. Mortimer A. Gelston, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

HAND DELIVERED

Re: **Request by Cellco Partnership d/b/a Verizon Wireless for an Order to Approve the Shared Use of a Tower Facility located at 101 Burbank Road, Ellington, Connecticut.**

Dear Chairman Gelston:

Pursuant to Connecticut General Statutes (C.G.S.) Sec. 16-50aa, Cellco Partnership d/b/a Verizon Wireless hereby requests an order from the Connecticut Siting Council ("Council") to approve the proposed shared use by Verizon Wireless of an existing tower located at 101 Burbank Road, Ellington, Connecticut. The property is owned by Donald & Rosalie Stavens and the tower is owned and managed by Crossroads Site Management, LLC. As shown on the attached drawing and as further described below, Verizon Wireless proposes to install antennas on the existing tower and to locate an equipment shelter at the base of the tower. Verizon Wireless requests that the Council finds that the proposed shared use of the tower facility satisfy the criteria stated in C.G.S. Sec. 16-50aa, and to issue an order approving the proposed shared use.

Background

Verizon Wireless is licensed by the Federal Communications Commission to provide cellular telephone service in the Hartford County New England County Metropolitan Area (NECMA), which includes the area to be served by the proposed Ellington installation.

The facility at 101 Burbank Road in Ellington, consists of a 180 foot AGL lattice tower built by Crossroads Site Management, LLC and is located on a leased parcel. The lattice tower can structurally support multiple carriers and the Town of Ellington has approved the use of the tower with the condition that it be available to other providers and the public safety agencies of the Town. Verizon Wireless and Crossroads Site Management, LLC have agreed to the proposed-shared use of this tower pursuant to mutually acceptable terms and conditions. Crossroads Site Management LLC has authorized Verizon Wireless to apply for all necessary permits, approvals and authorizations which may be required for the proposed shared use of this facility.

Verizon Wireless proposes to install twelve (12) Swedcom Model ALP-E9011 antennas, approximately 43 inches in height, on a platform with their center of radiation at approximately 170 feet above ground level ("AGL"). Verizon Wireless will also install one (1) GPS antenna on the tower. Equipment associated with these antennas, as well as a 40 KW diesel-fueled emergency stand-by generator, would be located in a new approximately 12-foot x 30-foot equipment building located at the base of the tower.

C.G.S. Sec. 16-50aa provides that, upon written request for approval of a proposed shared use, "if the Council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns, the Council shall issue an order approving such shared use" (C.G.S. Sec. 16-50aa(c)(1).)

Discussion

A. Technical Feasibility. The existing tower is structurally sound and capable of supporting the proposed Verizon Wireless antennas. The tower will not require any structural modification to support the proposed attachments. A Structural Design and Loading Report prepared by Rohn Industries, Inc. is attached to this application. Verizon Wireless engineers have determined that the proposed antenna installations present minimal potential for interference to or from existing radio transmissions from this location. In addition, the applicant is unaware of any occasion where its operations have caused interference with AM, FM or television reception. The proposed shared use of this tower therefore is technically feasible.

B. Legal Feasibility. Under C.G.S. Sec. 16-50aa, the Council has been authorized to issue an order approving the proposed-shared use of an existing communications tower facility such as the facility at Janoski/Ference Road. (C.G.S. Sec. 16-50aa(c)(1).) This authority complements the Council's prior-existing authority under C.G.S. Sec. 16-50p to issue orders approving the construction of new towers that are subject to the Council's jurisdiction. C.G.S. Sec. 16-50x(a) directs the Council to "give consideration to other state laws and municipal regulations as it shall deem appropriate" in ruling on requests for the shared use of existing tower facilities. Under the authority vested in the Council by C.G.S. Sec. 16-50aa, an order by the Council approving the shared use would permit the applicant to obtain a building permit for the proposed installations.

C. Environmental Feasibility. The proposed shared use would have a minimal environmental effect, for the following reasons:

1. The proposed installations would have an insignificant incremental visual impact, and would not cause any significant change or alteration in the physical or environmental characteristics of the existing site. The addition of the proposed antennas would not increase the height of the tower, and would not extend the boundaries of the tower site, including the placement of the equipment building near the base of the existing tower.
2. The proposed installation would not increase the noise levels at the existing facility by six decibels or more. The only additional noise will occur during emergency use or periodic exercising of the generator.
3. Operation of the additional antennas will not increase the total radio frequency electromagnetic radiation power density, measured at the tower base to a level at or above the applicable standard. "Worst-case" exposure calculation for a point at the base of the tower in relation to the operation of Verizon Wireless's antenna array is as follows:

	<u>Applicable ANSI Stnd</u>	<u>Calculated "Worst-Case"</u>	<u>Percentage of Stnd.</u>
Verizon Wireless	0.583 mW/cm ²	0.0236 mW/cm ²	4.05%

The "worst-case" exposure would be only 4.05 % of the ANSI standard, as calculated for mixed frequency sites. Power density levels from shared use of the tower facility would thus be well below applicable ANSI standards

4. The proposed installations would not require any water or sanitary facilities, or generate discharges to water bodies. Operation of the emergency back-up generator will result in limited air emissions; pursuant to R.C.S.A. Section 22a-174-3, the generator will require the issuance of a permit from the Department of Environmental Protection Bureau of Air Management. After construction is complete, the proposed installation would not generate any traffic other than periodic maintenance visits.

The proposed use of this facility would therefore have a minimal environmental effect, and is environmentally feasible.

D. Economic Feasibility. As previously mentioned, the tower owner and the applicant have entered into a mutual agreement to share the use of the existing tower on terms agreeable to the parties, and the proposed tower sharing is thus economically feasible.

E. Public Safety Concerns. As stated above, the existing tower is structurally capable of supporting the proposed Verizon Wireless antennas. The Applicant is not aware of any other public safety concerns relative to the proposed tower sharing of the existing tower. In fact, the provision of new or improved cellular phone service in the Ellington area, and the surrounding areas between Somers, Stafford Springs, Vernon and Tolland, through shared use of the tower is expected to enhance the safety and welfare of area residents and travelers. The public safety benefits of wireless service are further illustrated by the decision of local authorities elsewhere in Connecticut to provide cellular phones to residents to improve local public safety and emergency communications. The proposed-shared use of this facility would likewise improve public safety in the Ellington area.

Conclusion

For the reasons discussed above, the proposed shared use of the existing telecommunications tower facility at 101 Burbank Road satisfies the criteria stated in C.G.S. Sec. 16-50aa, and advances the General Assembly's and the Council's goal of preventing the proliferation of towers in Connecticut. The Applicant therefore requests that the Council issue an order approving the proposed shared use.

Mr. Mortimer A. Gelston
October 12, 2000
Page 5

Thank you for your consideration of this matter.

Pursuant to Connecticut General Statutes Sec. 16-50v and Section 16-50v-1(a) of the Regulations of Connecticut State Agencies, Verizon Wireless has enclosed a check in the amount of \$500.00 for the required filing fee.

Respectfully yours,

Sandy M. Carter

Sandy M. Carter
Manager – Regulatory
Verizon Wireless

Attachments

cc: Michael Stupinski, First Selectman

CROSSROADS SITE MANAGEMENT, LLC.
1050 Buckley Highway
Union, CT 06076
Wayne Kemp 860-614-3060

LETTER OF AUTHORIZATION

8/3/00

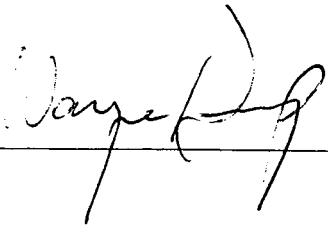
Site Location: 101 Burbank Road
Ellington, CT

RE: Building Permits and Land Use Approvals

Crossroads Site Management, LLC, (CSM) lessee of a certain parcel of land known as 101 Burbank Road, does hereby appoint **Verizon Wireless** and its agents and representatives, as Lessee's Agent for the purpose of completing, executing, and/or filing any applications, form, map, approval, variance, special permit or other land use approval or building permit required to provide **Verizon Wireless** with lawful access to, and the ability to use the property for the purpose of installing, erecting, or otherwise placing antennae, support structures and related equipment on the property. CSM shall fully cooperate with **Verizon Wireless** and its agents and representatives in obtaining any required approvals. **Verizon Wireless** shall be responsible for all costs, filing fees, or any expense incurred in the connection with securing any approvals.

Crossroads Site Management, LLC

By: Wayne Kemp, Partner



Network Dept.



Verizon Wireless
20 Alexander Drive
Wallingford, Connecticut 06492

October 12, 2000

Honorable Michael Stupinski
First Selectman
Memorial Town Hall
55 Main Street
Ellington, Connecticut 06029

Dear Mr. Stupinski:

This letter is to inform you that Cellco Partnership d/b/a Verizon Wireless plans to install antennas and associated equipment at the existing tower facility located at 101 Burbank Road, Ellington, Connecticut. I am enclosing a copy of Verizon Wireless's tower sharing application to the Connecticut Siting Council.

The application fully sets forth the Company's proposal. However, if you have any questions or require further information on our plans or the Siting Council's procedures, please contact me at (203) 294-8519 or Mr. Joel Rinebold, Executive Director of the Connecticut Siting Council at (860) 827-2935.

Sincerely,

A handwritten signature in cursive script that reads "Sandy M. Carter".

Sandy M. Carter
Manager- Regulatory
Verizon Wireless

Enclosure



STATE OF CONNECTICUT • COUNTY OF TOLLAND
INCORPORATED 1786

TOWN OF ELLINGTON

55 MAIN STREET • P.O. BOX 187
ELLINGTON, CONNECTICUT 06029

December 10, 1999

Crossroads Site Management LLC
1050 Buckley Highway
Union CT 06076

Dear Sirs:

The Ellington Planning and Zoning Commission, at their meeting on Monday, October 25, 1999, approved your application with the following motion:

MOVED (AUCTER) SECONDED (SPIELMAN) CARRIED UNANIMOUSLY (AYES: ZAHNER, AUCTER, SPIELMAN, KUPECKY, HEIDARI, HARFORD) (NAYES: 0) TO APPROVE #Z9939 SUBJECT TO THE RECOMMENDATIONS OF THE TOWN ENGINEER'S LETTER OF 10/25/99.

I am enclosing a copy of the Legal Notice for your records.

Very truly yours,

Cornelia B. Nichols
Cornelia B. Nichols, Clerk
Planning and Zoning Commission

enclosure

LEGAL NOTICE

The Ellington Planning and Zoning Commission, at their meeting on Monday, October 25, 1999, took the following actions:

#Z9934 - Approved the application of Paraco Gas for Site Plan Approval on property located at 194 Windsorville Road APN 009-067-0000 in a C Zone.

#Z9939 - Approved with Conditions, the application of Crossroads Site Management, LLC for Site Plan Approval for a telecommunications tower and related equipment buildings at 101 Burbank Road APN 148-017-0000 in a RA Zone.

#Z9940 - Approved with Conditions, the application of Boynton Construction for a Special Permit for an Accessory Apartment on property located at 5 Carolyn Circle APN 014-010-0012 in a AA Zone.

#S9911 - Continued to the 22 November 1999 meeting, the application of Ridge Country Estates-Section II for an 8-Lot Subdivision of property located at Tripp & Middle Roads APN 041-002-0000 in a AA Zone.

Z9941 - Continued to the 22 November 1999 meeting, the application of David Olender for a Special Permit for 2 Rear Lots on property located at Tripp & Middle Roads APN 041-002-0000 in a AA Zone.

#Z9938 - Approved the application of Homestead Fuel, Inc., Modification of Site Plan to allow installation of a temporary storage building on property located at 100 West Road APN 028-010-0000 in a C Zone.

A copy of this notice is on file with the Town Clerk.

Dated at Ellington, Connecticut this 26th day of October 1999.

The effective date of this notice is Friday, October 29, 1999.

Emery Zahner, Chairman

Cornelia B. Nichols

Cornelia B. Nichols, Clerk

Planning and Zoning Commission

JOURNAL INQUIRER PUBLISH ONE ISSUE

Thursday, October 28, 1999.

\$110.00

20070

BUILDING PERMIT

Building Department (609) 675-5788

Fax (609) 675-0788

Est. Cost: \$11,000.00

4/20/00

Job Location: 101 Burbank Road

148-017-0000

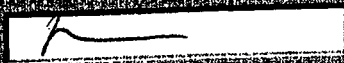
Job Description: Foundation for Tower

Owner: Stavens, Donald

Contractor: Crossroads Site Management

This permit is hereby granted to install and complete the above described work.

All permit work shall be done in accordance with the applicable codes and regulations of the Town of Ellington, Connecticut. The permit holder shall be responsible for obtaining all necessary approvals from other agencies and for compliance with all applicable laws and regulations.



Peter Kate Williams
Building Official

This permit shall become invalid if the authorized work is not commenced within six months or is suspended or abandoned for a period of six months.

TOWN OF ELLINGTON
CERTIFICATE OF VARIANCE

Notice is hereby given that the Zoning Board of Appeals of the Town of Ellington, at its Meeting on Monday, October 4, 1999, granted a Variance to Donald & Rosalie Stavens, 101 Burbank Road, Ellington, Connecticut 06029 as follows:

NATURE OF VARIANCE(S)

The Zoning Board of Appeals granted a Variance to allow construction of a communication tower with the condition that it be available to other providers and the Public Safety Agencies of the Town of Ellington.

ZONING REGULATION(S) VARIED

Ellington Zoning Regulations, Section 1 Area & Yard Requirements. Height Requirements 35' to 190'.


NAME OF OWNER(S) OF PROPERTY

Donald & Rosalie Stavens, 101 Burbank Road, Ellington, Connecticut 06029.

Dated at Ellington, Connecticut, this 29th day of October 1999.

I hereby certify that the above is a true and attested copy of the aforesaid variance from the records of the Zoning Board of Appeals.

Signed 
Michael Riley, Chairman

Signed 
Cornelia B. Nichols, Clerk

Recorded-Ellington Land Records

on _____

@ Volume _____ Page _____

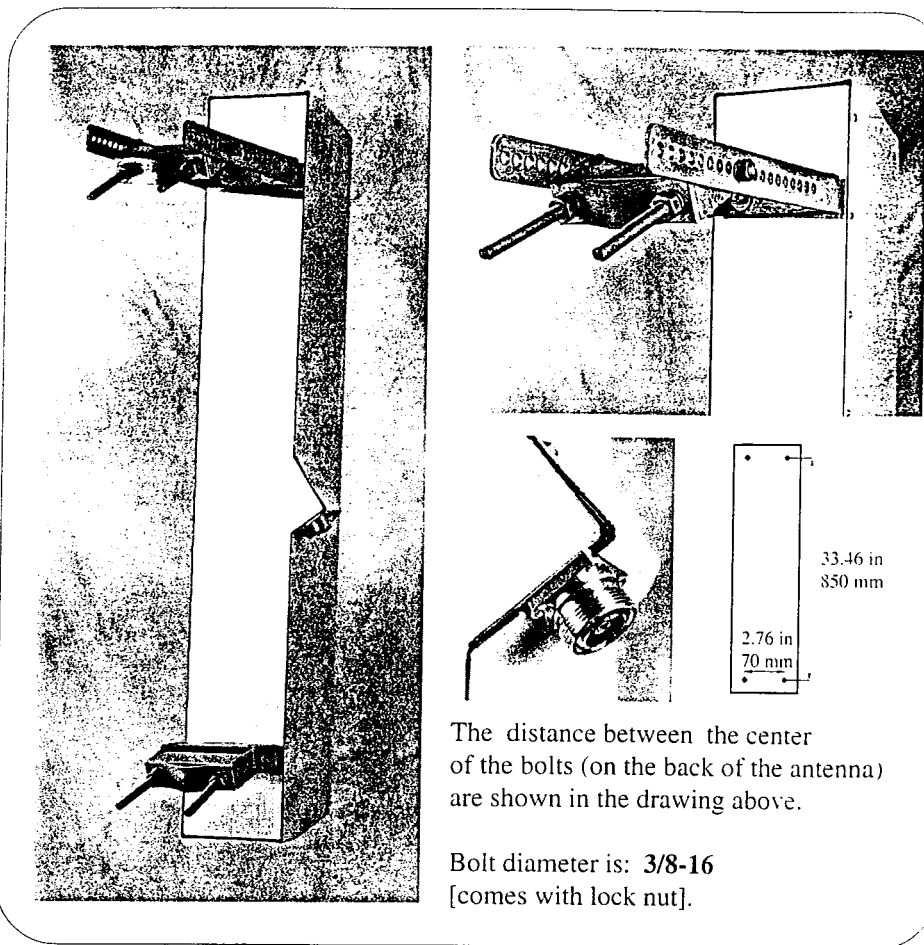
In order to issue a Zoning Permit involving this property, a copy of this document listing the date same was recorded in the Ellington Land Records, must be presented to the Zoning Enforcement Officer.

ALP-E 9011-Din

Enhanced Log-Periodic Antenna

Features:

- Small Size
- Aesthetically Pleasing
- Suitable For TDMA/CDMA
- High Return Loss
- Low Intermodulation
- High FTB
- Broadbanded
- Side-lobe Suppression
- Sturdy Design
- Down-Tilt Brackets Incl.



Electrical Specifications

Frequency Range:	800-900 MHz
Impedance:	50 ohm
Connector Type:	7/16 Din
Return Loss:	20 dB
Polarization:	Vertical
Gain:	> 11 dBd
Front To Back Ratio:	> 30 dB
Side-Lobe Suppression:	18 dB
Intermodulation (2x25W):	IM3 > 146 dB
	IM5 > 153 dB
	IM7/9 > 163 dB
Power Rating:	500 W
H-Plane (-3 dB point):	85 - 92°
V-Plane (-3 dB point):	16 - 18°
Lightning Protection:	DC Grounded

Mechanical Specifications

Overall Height:	43 in	[1092 mm]
Width:	6.5 in	[165 mm]
Depth:	8 in	[203 mm]
Weight Including Tilt-Brackets:	20 lbs	[9.1 Kg]
Rated Wind Velocity:	113 mph	[180 Km/h]
Wind Area (CxA/Side):	2.3 sq. ft.	[0.22 sq.m]
Lateral Thrust At Rated Wind Worst Case:	112 lbs	[500 N]

Materials

Radiating Elements:	Aluminum
Extrusion:	Aluminum
Radome:	Grey PVC
Tilt-Bracket:	Hot Dip Galvanized Steel
Antenna Bolts:	Stainless Steel

The ALP-E 9011-Din is made in U.S.A.

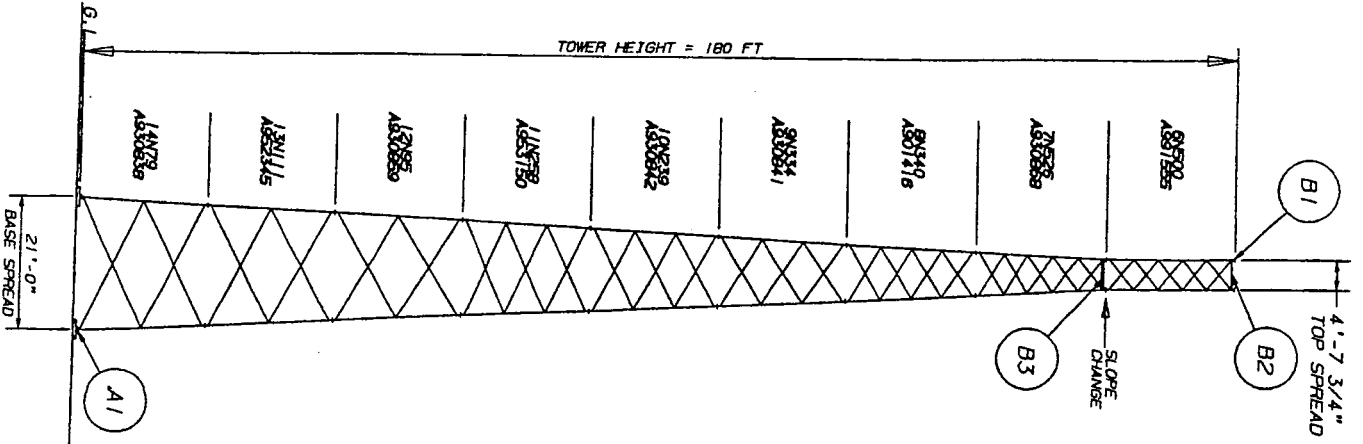
TOWER DESIGN LOADING

DESIGN WIND LOAD PER ANSI/TIA/EIA-222-F (1996)
90 MPH BASIC WIND SPEED (11/2" RADIAL ICE LOAD).
THIS TOWER IS DESIGNED TO SUPPORT THE FOLLOWING LOADS:

ELEVATION (FT.)	ANTENNA TYPE	E.P.A. (SF)		LINE SIZE
		NO ICE	ICE	
175	(12) DAPA 2980, 0.15 ANTENNAS W/ 12" LEG MOUNTING FRAMES	130.0 TOTAL	155.0 TOTAL	(12) 1-5/8"
165	(12) DAPA 2980, 0.15 ANTENNAS W/ 12" LEG MOUNTING FRAMES	130.0 TOTAL	155.0 TOTAL	(12) 1-5/8"
155	(6) DAPA 2980, 0.15 ANTENNAS W/ 12" LEG MOUNTING FRAMES	88.0 TOTAL	109.0 TOTAL	(6) 1-5/8"
145	(6) DAPA 2980, 0.15 ANTENNAS W/ 12" LEG MOUNTING FRAMES	88.0 TOTAL	109.0 TOTAL	(6) 1-5/8"
135	(6) DAPA 2980, 0.15 ANTENNAS W/ 12" LEG MOUNTING FRAMES	88.0 TOTAL	109.0 TOTAL	(6) 1-5/8"

GENERAL NOTES

1. FROM COMMUNICATION TOWER DESIGN CONFORM TO ANSI/TIA/EIA-222-F UNLESS OTHERWISE SPECIFIED UNDER TOWER DESIGN LOADING.
2. ANTENNAS AND LINES LISTED IN TOWER DESIGN LOADING TABLE ARE PROVIDED BY OTHERS UNLESS OTHERWISE SPECIFIED.
3. THE DESIGN LOADING CRITERIA INDICATED HAS BEEN ASSUMED TO BE THE MOST SEVERE APPLICABLE IN ACCORDANCE WITH ANSI/TIA/EIA-222-F AND HAS BEEN IDENTIFIED BY OTHERS PRIOR TO INSTALLATION.
4. SEE INCLUSIVE IDENTIFICATION SHEET FOR PART NUMBERS AND SECTION ASSIGNED TO EACH LEG.
5. STEP BOLTS ARE PROVIDED FOR SECTIONS 12 THROUGH 16 AND ALL W/ SECTIONS.
6. REFER TO THE LATEST REVISIONS OF THE DRAWINGS SHOWN IN THE BILL OF MATERIALS.
7. PULL NUTS ARE PROVIDED FOR ALL TOWER AND ANCHOR BOLTS (SEE DWG. A790135).
8. THE LEG PART NUMBER IS STAMPED AT THE BOTTOM OF EACH LEG OF EACH SECTION.
9. DESIGN ASSUMES LEVEL GRADE AT TOWER SITE.
10. WORK SHALL BE IN ACCORDANCE WITH ANSI/TIA/EIA-222-F "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES" OR MINUS OR.
11. TOLERANCE ON TOWER STEEL HEIGHT IS EQUAL TO PLUS 1-1/2X MARKING AND LIGHTING.
12. PURCHASER SHALL VERIFY THE INSTALLATION IS IN CONFORMANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS FOR OBSTRUCTION MARKING AND LIGHTING.
13. TOWER MEMBER DESIGN DOES NOT INCLUDE STRESSES DUE TO ERECTION SINCE ERECTION EQUIPMENT AND CONDITIONS ARE UNKNOWN. THE DESIGN ASSUMES COMPETENT AND QUALIFIED PERSONNEL WILL ERECT THE TOWER.
14. DESIGN ASSUMES THAT, AS A MINIMUM, MAINTENANCE AND INSPECTION WILL BE PERFORMED OVER THE LIFE OF THE STRUCTURE.
15. THE DESIGNATION TO BE DETERMINED BY OTHERS.
16. DESIGN ASSUMES THAT THE ANTENNAS ARE MOUNTED SYMMETRICALLY TO MINIMIZE TORQUE.
17. DESIGN ASSUMES THAT ANTENNA TRANSMISSION LINES AND WAVEGUIDE LOADERS ARE DISTRIBUTED OVER THE TOWER FACE.
18. ONE 15-HOLE WAVEGUIDE LADDER WITH 10" ON CENTER RING SPACING IS PROVIDED FROM 10'-0" ELEVATION TO TOP OF TOWER FOR SW-ON HANGERS. (TWO WAVEGUIDE LADDERS ARE PROVIDED FOR CLIMBING STEP BOLTS WITH ROHN-LOC SAFETY DEVICE ARE PROVIDED FOR CLIMBING THE ENTIRE TOWER HEIGHT).
19. THE LEG MOUNTING FRAMES ARE TO BE PROVIDED FOR OTHERS.
20. THE LEG MOUNTING FRAMES ARE TO BE PROVIDED FOR OTHERS.
21. NUMBERS SHOWN IN BALLOONS DENOTE ITEM NUMBERS IN BILL OF MATERIAL.



TOWER REACTIONS

COMPRESSION = 369.0 KIPS
TENSION = 332.7 KIPS
TOTAL SHEAR = 58.9 KIPS
D. I. M. = 6330.3 FT-KIPS

C000488AB - ANCHOR MATERIAL

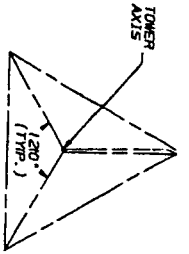
ITEM QTY.	PART NO.	ITEM DESCRIPTION	DWG. NO.
A1	301X7819	ANCHOR BOLT ASSY 30-1X78/1210T	N/A
A2	18L102	ANCHOR BOLT 10-HOLE FS 21'-0"	C880730
A3	1802654	FOUNDATION DETAILS FOR EXISTING SITE MAN	A000654-1-1
A4	A100214	FOUNDATION & ANCHOR TOLERANCE	A810214
A5	B730521	ANCHOR BOLT TEMPLATES INSTALLATION	B730521

C000488AB - TOWER ACCESSORIES

ITEM QTY.	PART NO.	ITEM DESCRIPTION	DWG. NO.
B1	CP541	PLATE ASSY CAP 5" FL PL'S	B760739
B2	V08254	GRIP ASSY 5/8" X 1.75" X 1.5" 6390T	D880659
B3	V08264	GRIP ASSY 7/8" X 1.75" X 1.5" 6390T	D880659
B4	W10F154KD	LADDER ASSY W/6 FACE 10'-75.44	C901818
B5	W10F154KD	LADDER ASSY W/6 FACE 20'-75.44	C901818
B6	K16955	CLIP ASSY 1.75-2.5" ANGLE BRACE LOAD	N/A
B7	K17287A	CLIP ASSY 3.5-4" ANGLE BRACE LOAD	N/A
B8	B5469	KT BASE GRD SSV 1" X 8 45CL TIN	C741705
B9	A790135	STEEL ANTI-CLIMB WARNING ASSY	N/A
B10	B517264	BOLT ASSY DRAWING	A790135
B11	B517264	STEELBOLT DETAIL	B517264
B12	5N720305	GROUTING & DRAINAGE DETAIL SSV	5N720305

C000488BD - SAFETY DEVICE

ITEM QTY.	PART NO.	ITEM DESCRIPTION	DWG. NO.
C1	RLFRM	HARNESSE ROHN-LOC METHOD W/6 ST & LAN	N/A
C2	RLFRM	POST ASSY TOP RL 5/8" X 4" FL RL	C741234
C3	RLCR4Z	RESTRAINT ASSY CABLE RL 4" FL RL	N/A
C4	5	RESTRAINT ASSY CABLE RL 5-12"	N/A
C5	RLB918	BRIDGE ASSY BOLT RL B918	N/A
C6	RLC180	CABLE ROHN LOC 180TWR 3/8" X 5"	N/A
C7	A790135	BOLT ASSY DRAWING	N/A



TOWER CONFIGURATION
N.T.S.

TOWER SITE: ELLINGTON, CT
COUNTY: TOLLAND

No. 1 Revision Description

THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT OUR WRITTEN CONSENT.

DATE: 5/11/00

BY: LLM

CHKD: LLM

APP. ENG.: H

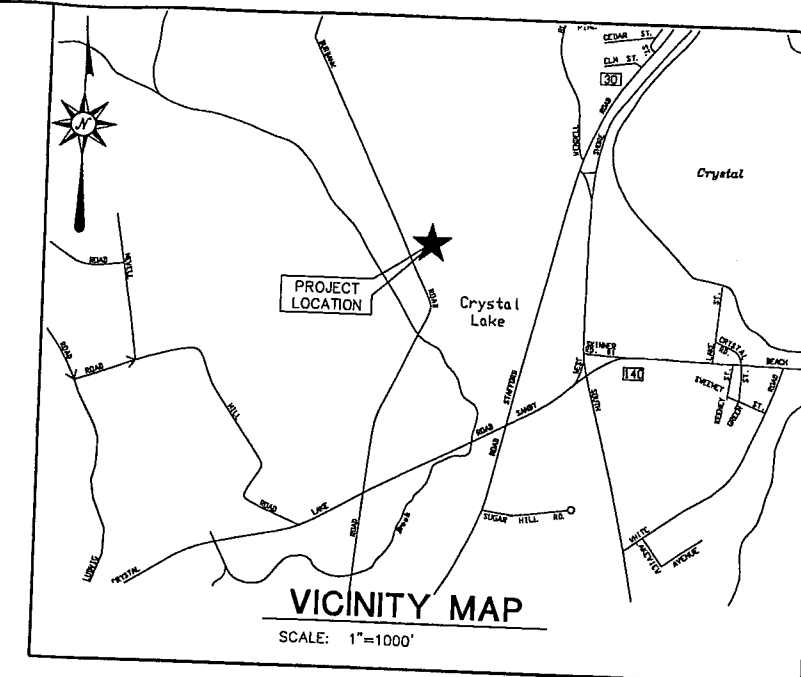
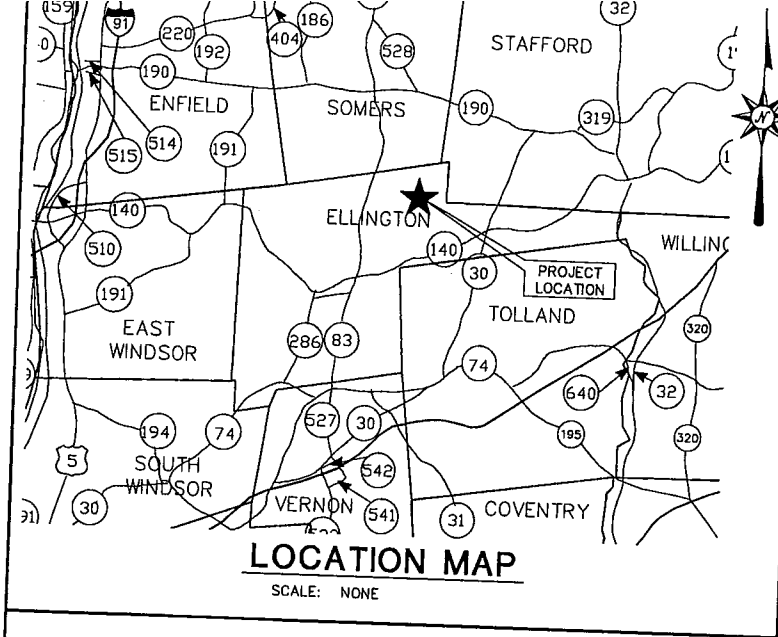
DATE: 5/31/00

ROHN

180' SSV TOWER ASSEMBLY FOR NEW ENGLAND SITE MANAGEMENT

ENG. FILE: 428954R

DWG. NO.: C000488



SITING COUNCIL SUBMISSION

ELLINGTON

TELECOMMUNICATION FACILITY

101 BURBANK ROAD
 ELLINGTON, CONNECTICUT 06029

PREPARED FOR:
 CELLCO PARTNERSHIP DBA
 VERIZON WIRELESS
 20 ALEXANDER DRIVE
 WALLINGFORD, CONNECTICUT 06492

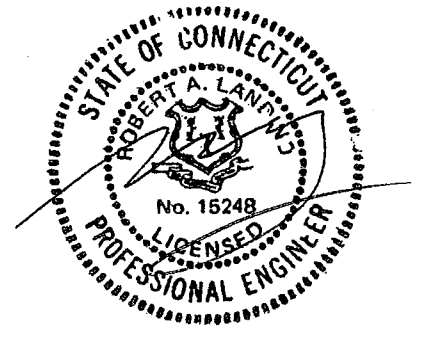
CONTENTS	
	TITLE SHEET
SC-1	SITE PLAN AND ELEVATION

PREPARED BY:



ARCHITECTURE ENGINEERING PLANNING LANDSCAPE ARCHITECTURE
 LAND SURVEYING ENVIRONMENTAL SCIENCES ANALYTICAL SERVICES

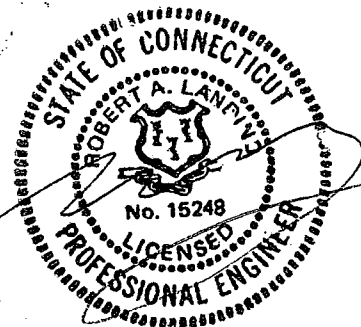
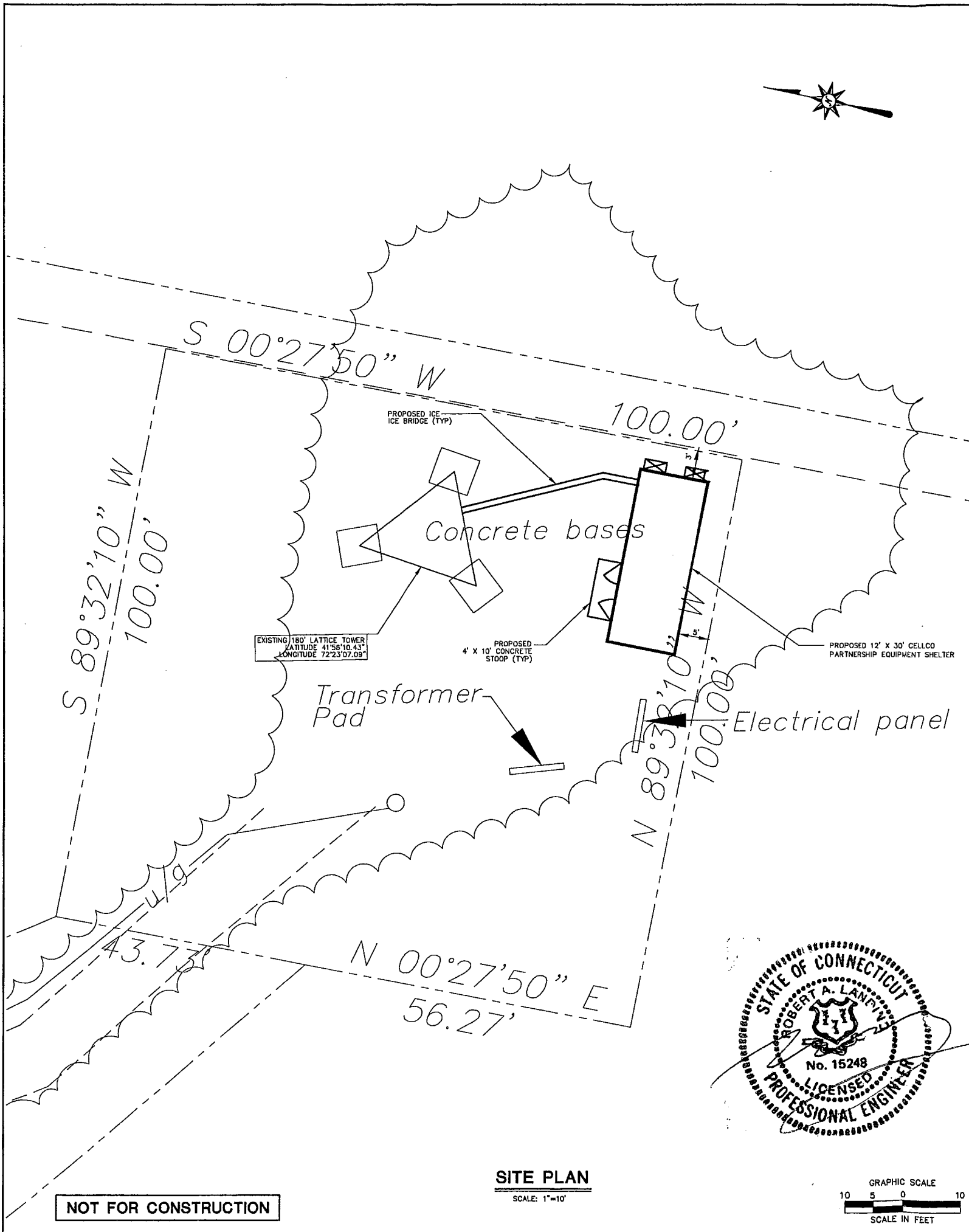
355 RESEARCH PARKWAY
 MERIDEN, CONNECTICUT 06450
 (203) 630-1406
 (203) 630-2615 Fax



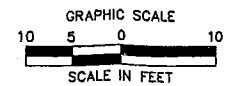
NOT FOR CONSTRUCTION

DATES
 ISSUE DATE: OCTOBER 4, 2000
 REVISION:

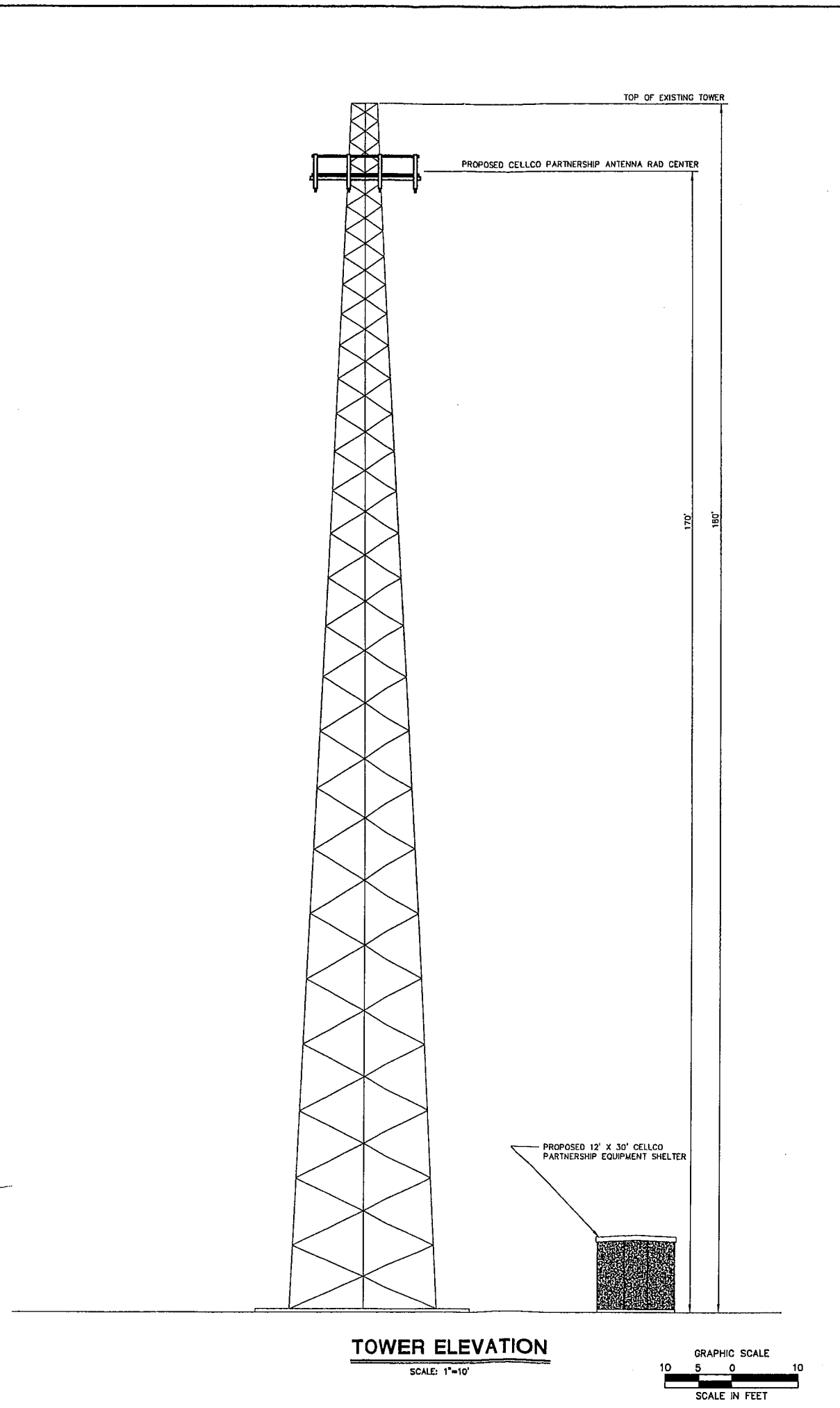
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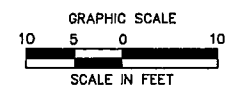
SITE PLAN
SCALE: 1"=10'



NOT FOR CONSTRUCTION



TOWER ELEVATION
SCALE: 1"=10'



BL Companies
 ARCHITECTURE
 ENGINEERING
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 LAND SURVEYING
 ENVIRONMENTAL SCIENCES
 ANALYTICAL SERVICES

355 Research Parkway
 Meriden, CT 06450
 (203) 630-1406
 (203) 630-2615 Fax

SITE PLAN AND TOWER ELEVATION
ELLINGTON TELECOMMUNICATION FACILITY
 101 BURBANK ROAD
 ELLINGTON, CONNECTICUT

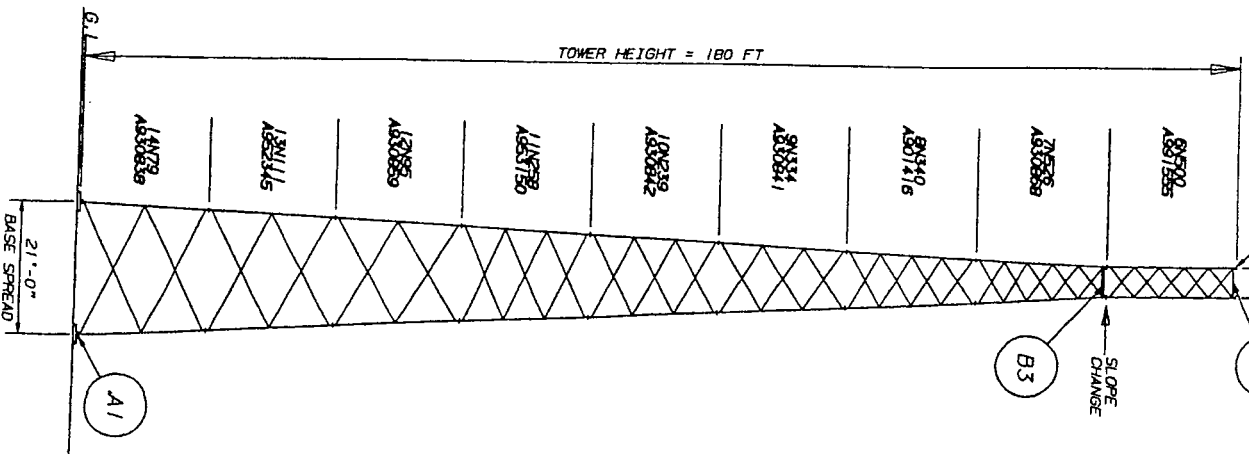
Desig.	R.C.B.
Drawn	K.A.K.
Checked	R.C.B.
Approved	R.A.L.
Scale	AS SHOWN
Project No.	00C782
Date	10/04/00
CAD File	SCC78201

Sheet No.

SC-1

THIS DRAWING SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES

4'-7 3/4" TOP SPREAD



TOWER DESIGN LOADING
 DESIGN WIND LOAD PER ANSIT/TA/EIA-222-F 1996
 90 MPH BASIC WIND SPEED (1/2" RADIAL ICE LOAD).
 THIS TOWER IS DESIGNED TO SUPPORT THE FOLLOWING LOADS:

ELEVATION (FT.)	ANTENNA TYPE	E.P.A. (SF)		LINE SIZE
		NO ICE	ICE	
175	(12) DAPA 2980, 015 ANTENNAS W/ 12" LEG MOUNTING FRAMES	130.0 TOTAL	155.0 TOTAL	(12) 1-5/8"
165	(12) DAPA 2980, 015 ANTENNAS W/ 12" LEG MOUNTING FRAMES	130.0 TOTAL	155.0 TOTAL	(12) 1-5/8"
155	(6) DAPA 2980, 015 ANTENNAS W/ 12" LEG MOUNTING FRAMES	88.0 TOTAL	109.0 TOTAL	(6) 1-5/8"
145	(6) DAPA 2980, 015 ANTENNAS W/ 12" LEG MOUNTING FRAMES	88.0 TOTAL	109.0 TOTAL	(6) 1-5/8"
135	(6) DAPA 2980, 015 ANTENNAS W/ 12" LEG MOUNTING FRAMES	88.0 TOTAL	109.0 TOTAL	(6) 1-5/8"

GENERAL NOTES

1. FOR COMMUNICATION TOWER DESIGNS CONFORM TO ANSIT/TA/EIA-222-F UNLESS OTHERWISE SPECIFIED UNDER TOWER DESIGN LOADING PROVIDED BY OTHERS LISTED IN TOWER DESIGN LOADING TABLE ARE PROVIDED BY OTHERS LISTED OTHERWISE SPECIFIED.
2. THE DESIGN LOAD CRITERIA INDICATED HAS BEEN ASSUMED TO BE BASED ON SITE-SPECIFIC DATA IN ACCORDANCE WITH ANSIT/TA/EIA-222-F AND MUST BE VERIFIED BY OTHERS PRIOR TO INSTALLATION.
3. SEE INDIVIDUAL SECTION ASSEMBLY DRAWINGS FOR PART NUMBERS AND SECTION ASSEMBLY DETAILS.
4. STEP BOLTS ARE PROVIDED ON ONE LEG ONLY FOR SECTIONS 6 THROUGH 11 AND ALL THREE LEGS FOR SECTIONS 12 THROUGH 18 AND ALL 12 SECTIONS.
5. REFER TO THE LATEST REVISIONS OF THE DRAWINGS SHOWN IN THE BILL OF MATERIALS.
6. PALM LITE FRAMES PROVIDED FOR ALL TOWER AND ANCHOR BOLTS (SEE 8).
7. THE LEG PART NUMBER IS STAMPED AT THE BOTTOM OF EACH LEG OF EACH SECTION.
8. DESIGN ASSUMES LEVEL GRADE AT TOWER SITE.
9. STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.
10. TOLERANCE ON TOWER STEEL HEIGHT IS EQUAL TO PLUS -1/16" OR MINUS 0.
11. MANUFACTURER SHALL VERIFY THE INSTALLATION IS IN CONFORMANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS FOR OBSTRUCTION MARKING AND LIGHTING.
12. SINCE MEMBER DESIGN DOES NOT INCLUDE STRESSES DUE TO ERECTION ASSUMES COMPLETE ERECTION AND CONDITIONS ARE UNKNOWN, DESIGNER WILL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE.
13. TOWER ORIENTATION TO BE DETERMINED BY OTHERS.
14. DESIGN ASSUMES DAPA TYPE ANTENNAS ARE MOUNTED SYMMETRICALLY TO MINIMIZE TORQUE.
15. DESIGN ASSUMES THAT ANTENNA TRANSMISSION LINES AND WAVEGUIDE LEADERS ARE DISTRIBUTED OVER THE TOWER FACES.
16. ONE 15-HOLE WAVEGUIDE LADDER WITH 4'-0" ON CENTER RING SPACING IS PROVIDED FROM 10'-4" ELEVATION TO TOP OF TOWER FOR SHIP-ON STEP BOLTS AND WAVEGUIDE LADDERS ARE PROVIDED FOR CLIMBING.
17. THE ENTIRE TOWER FROM-TOE SAFETY DEVICE ARE PROVIDED FOR CLIMBING.
18. 12" LEG MOUNTING FRAMES ARE TO BE PROVIDED BY OTHERS.
19. NUMBERS SHOWN IN BALLOONS DENOTE ITEM NUMBERS IN BILL OF MATERIAL.

C000489ANC - ANCHOR MATERIAL

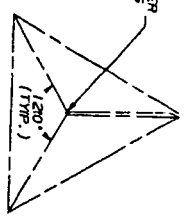
ITEM	QTY.	PART NO.	ITEM DESCRIPTION	DWG. NO.
A1	1	501X79AB	ANCHOR BOLT ASSY 30-1X79B1Z10T	N/A
A2	1	ABR102	ANCHOR BOLT 10-HOLE FS 21'-0"	D980790
A3	1	A000594	FOUNDATION DETAILS ROCK/CLAY SITE MAN	A000594.1
A4	1	A810214	FOUNDATION & ANCHOR TOLERANCE	A810214
A5	1	B130521	ANCHOR BOLT TEMPLATE INSTALLATION	B130521

C000488LAB - TOWER ACCESSORIES

ITEM	QTY.	PART NO.	ITEM DESCRIPTION	DWG. NO.
B1	2	095A1	PLATE ASSY CAP 5" FL PL 1.5	B760739
B2	1	0955A	GRIP ASSY 6X51 L1 75X 1.3 .6380L T	D980699
B3	1	0922A	GRIP ASSY 7X L1 75X 1.3 .6380L TOP Q	D980699
B4	1	W10F154KD	LADDER ASSY W/6 FACE 10'-75.44	C901818
B5	8	W120F154KD	LADDER ASSY W/6 FACE 20'-75.44	C901818
B6	15	K12955	CLIP ASSY 1.75-2.5" ANGLE BRACE LOAD	N/A
B7	3	K1297A	CLIP ASSY 3.5-4" ANGLE BRACE LOAD	N/A
B8	9	BAR66	R/T BASE GRD SSV T'X8 45CL TIN	C73105
B9	1	AC65	SIGN ANTI-CLING WARNING ASSY	N/A
B10	1	A290135	BOLT ASSY DRAWING	A290135
B11	1	B551284	STEEBOLT DETAIL	B551284
B12	1	5K720305	GROUNDING & DRAINAGE DETAIL SSV	5K720305

C000488SD - SAFETY DEVICE

ITEM	QTY.	PART NO.	ITEM DESCRIPTION	DWG. NO.
C1	1	RLFRW	HARNESS ROAN-LOC MEDIUM W/RE SC & LAN	N/A
C2	1	RLFRW	POST ASSY TOP RL 525X24" TEL RL	C41234
C3	3	RLCRN2	RESTRAINT ASSY CABLE RL & PIPE	N/A
C4	5	RLCRN3	RESTRAINT ASSY CABLE RL 5-12"	N/A
C5	1	RLBR4B	BRACKET ASSY BOLT RL B" PIPE	N/A
C6	1	RLC180	CABLE ROAN LOC 180TWR 3/8B" S	N/A
C7	1	A190135	BOLT ASSY DRAWING	A190135



TOWER CONFIGURATION
 N.T.S.

TOWER SITE: ELLINGTON, CT
 COUNTY: TOLLAND

TOWER REACTIONS

COMPRESSION =	359.0 KIPRS
TENSION =	332.0 KIPRS
TOTAL SHEAR =	56.0 KIPRS
D.T.M.	= 6330.3 FT-KIPRS

No. A Revision Description

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Serial	NO	By	Date
0	1	LLK	5/11/00
1	1	llm	5/8/00
2	1	llm	5/8/00

App. Eng. *llm* 5/8/00

ENG. FILE: 42895AR

DWG. NO.: C000488

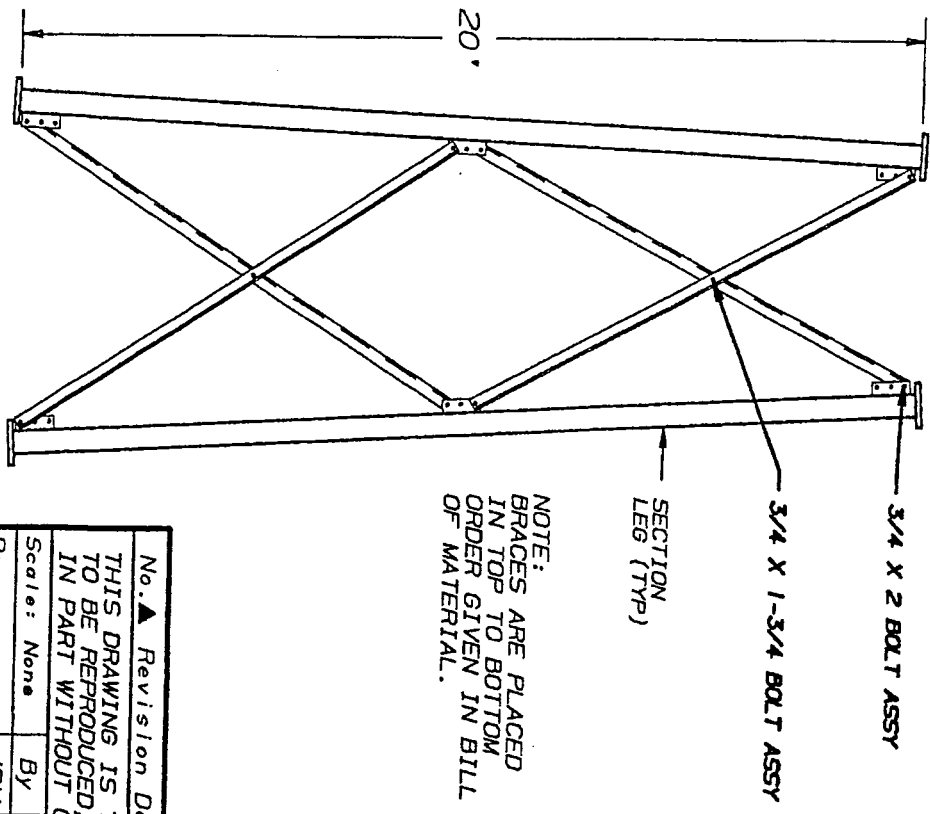
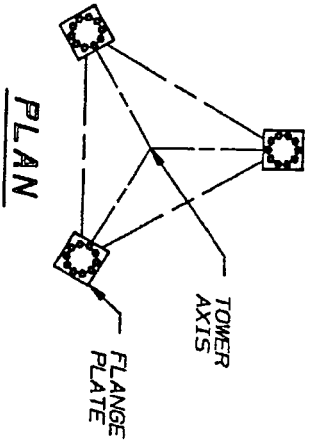
ROHN

180' SSV TOWER ASSEMBLY
 FOR NEW ENGLAND
 SITE MANAGEMENT

Item----- Description----- Old Wt ----Accum Wt

C000488LAB TOWER ASSY SSV 180' L/AB' 31,463.91

item	quantity	u-m	unit wt.	ext. wt.	galv. wt.
CP5A1	2.00000	EA	1.57	3.14	3.14
VB955A	1.00000	EA	21.66	21.66	21.66
VB826A	1.00000	EA	21.66	21.66	21.66
WL10F154KD	1.00000	EA	40.70	40.70	40.70
WL20F154KD	8.00000	EA	75.16	601.28	601.28
KY695	15.00000	EA	2.14	32.10	32.10
KY1287A	9.00000	EA	3.08	27.72	27.72
BGK8G	3.00000	EA	11.02	33.06	33.06
ACWS	1.00000	EA	0.06	0.06	0.06
A790135	1.00000	EA	0.00	0.00	0.00
B651264	1.00000	EA	0.00	0.00	0.00
SK720305	1.00000	EA	0.00	0.00	0.00
6N500	1.00000	EA	1,103.65	1,103.65	1,103.65
7N526	1.00000	EA	1,483.37	1,483.37	1,483.37
8N340	1.00000	EA	1,928.97	1,928.97	1,928.97
9N334	1.00000	EA	2,650.11	2,650.11	2,650.11
10N239	1.00000	EA	3,024.93	3,024.93	3,024.93
11N258	1.00000	EA	4,363.20	4,363.20	4,363.20
12N95	1.00000	EA	4,701.72	4,701.72	4,701.72
13N111	1.00000	EA	5,662.98	5,662.98	5,662.98
14N79	1.00000	EA	5,763.60	5,763.60	5,763.60
				31,463.91	31,463.91 TOTAL



NOTE:
BRACES ARE PLACED
IN TOP TO BOTTOM
ORDER GIVEN IN BILL
OF MATERIAL.

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	3	VL1539	STEP LEG BEH PIPE	B870581
2	6	VB36	DIAG. BRACE (4 X 4 X 1/4)	B760147
3	6	VB37	DIAG. BRACE (4 X 4 X 1/4)	B760147
4	24	2100476A	3/4" X 2" BOLT ASSY	C770404
5	6	2100466A	3/4" X 1-3/4" BOLT ASSY	C770404
6	30	230029	1" PAL NUTS	N/A

MISCELLANEOUS INFORMATION

OFFSET	FLANGE PLATE		SPREAD	
	BEVEL	SIZE	TOP	BOTTOM
N/A	3-1/3" STD	17X17X2	17A	17E
			19'-0"	21'-0"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ALL THREE LEGS.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS.
5. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No.▲ Revision Description

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Scale: None

By JDM Date 2-3-93

Drawn: JDM Date 2-3-93

Checked: U/472 Date 2-5-93

App. Eng.: JS Date 2-9-93

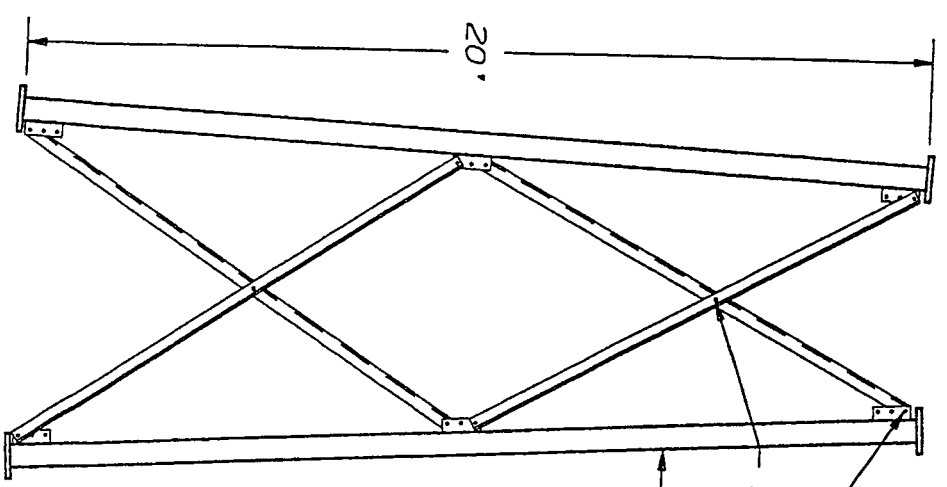
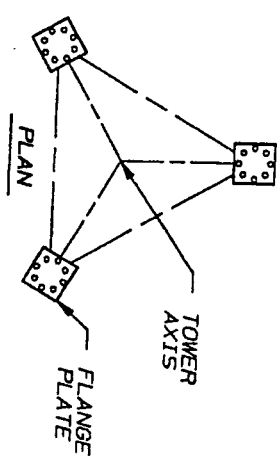
App. Sales: JC Date 2-7-93

▲ Date ▲ Rev By ▲ Crd By ▲ Appd By

ROHN

ASSEMBLY DETAILS FOR
SSV SECTION (BASE)
14N79

DRAWING NO.: A930838



NOTE:
BRACES ARE PLACED
IN TOP TO BOTTOM
ORDER GIVEN IN BILL
OF MATERIAL.

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	3	VL674	STEP LEG (PIPE BEH)	B800161
2	6	VB34	DIAG. BRACE (L 4 X 4 X 1/4)	B760145
3	6	VB35	DIAG. BRACE (L 4 X 4 X 1/4)	B760145
4	24	2100476A	3/4 X 2 BOLT ASSY.	C770404
5	6	2100466A	3/4 X 1-3/4 BOLT ASSY.	C770404
6	24	2101646A	1 X 5-3/4 BOLT ASSY. (FLANGES)	C770404

MISCELLANEOUS INFORMATION

FLANGE PLATE		SPREAD	
OFFSET	BEVEL	TOP SIZE	BOTTOM SIZE
N/A	N/A	17X17X2	17A
		17X17X2	17A
		16"-11 7/8"	19"-0"

GENERAL NOTES

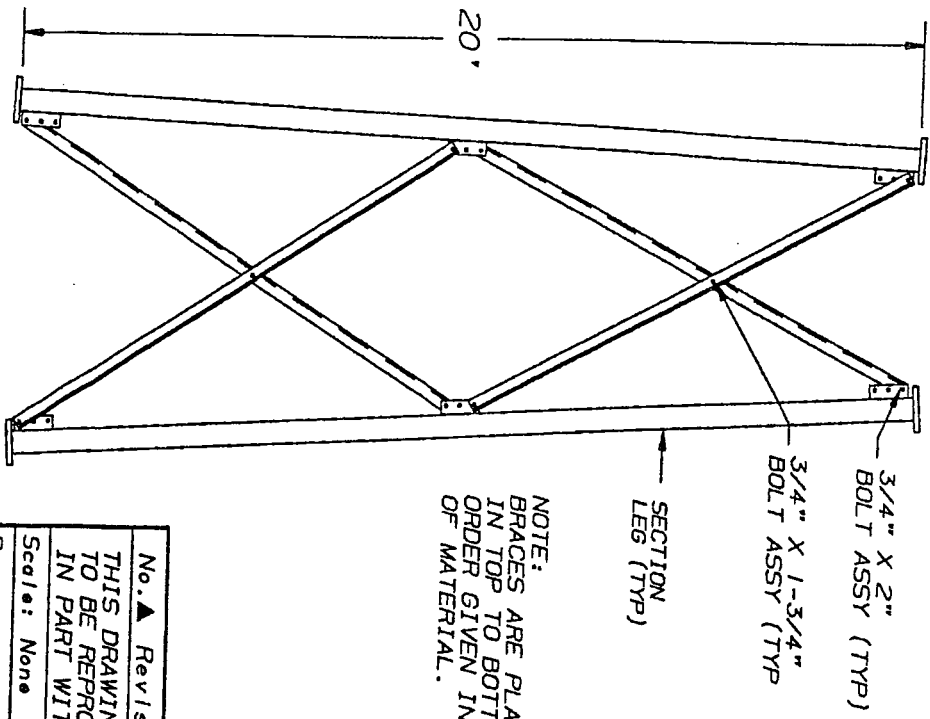
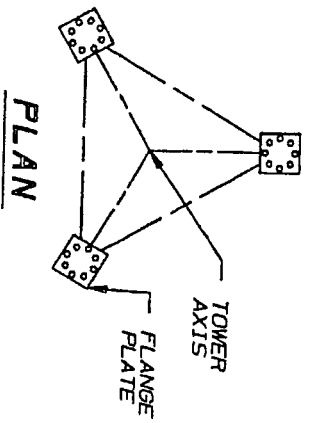
1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ALL THREE LEGS.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS.
5. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No.	Revision Description	Date	Rev By	Ckd By	Appd By
	THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.				
	Scale: None				
	Drawn: BRT	8/9/95			
	Checked: V	8/15/95			
	App. Eng.: TS	8/16/95			
	App. Sales: JS	8-16-95			

ROHN

ASSEMBLY DETAILS FOR
SSV SECTION
13N111

DRAWING NO.: A952345



NOTE:
BRACES ARE PLACED
IN TOP TO BOTTOM
ORDER GIVEN IN BILL
OF MATERIAL.

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	3	VL115B	STEP LEG BEHS PIPE	BB40504
2	6	VB32	DIAG. BRACE (3-1/2 X 3-1/2 X 1/4)	B760142
3	6	VB33	DIAG. BRACE (3-1/2 X 3-1/2 X 1/4)	B760142
4	24	2100476A	3/4 X 2 BOLT ASSY	C770404
5	24	2101646A	1 X 5-3/4 BOLT ASSY (FLANGES)	C770404
6	6	2100466A	3/4 X 1-3/4 BOLT ASSY	C770404

MISCELLANEOUS INFORMATION

FLANGE PLATE		SPREAD	
OFFSET	BEVEL	TOP SIZE	BOTTOM SIZE
N/A	N/A	17X17X2	17A
		17X17X2	17A
		14" 11-7/8"	16" 11-7/8"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ALL THREE LEGS.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS.
5. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No. ▲ Revision Description

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Scale: None

By JDM Date 2-5-93

Checked: U 42 2-5-93

App. Eng.: J 2-9-93

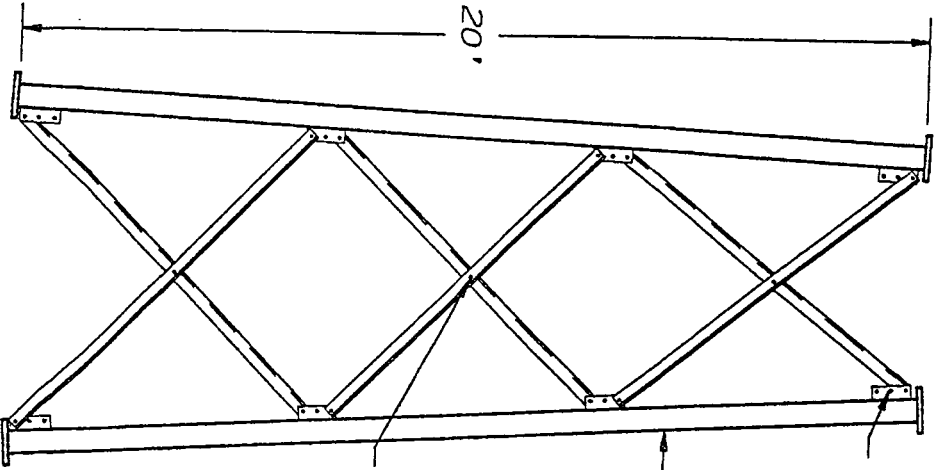
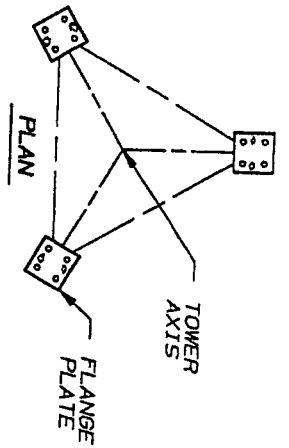
App. Sales: JC 2-9-93

Title: ASSEMBLY DETAILS FOR SSV SECTION 12N95

ROHN

▲ Date ▲ Rev By ▲ Ckd By ▲ Appd By

DRAWING NO.: A930859



3/4 X 2 (TYP)

SECTION LEG (TYP)

3/4 X 1-3/4 (TYP)

NOTE: BRACES ARE PLACED IN TOP TO BOTTOM ORDER GIVEN IN BILL OF MATERIAL.

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	2	VL2454	LEG (PIPE 6 E.H)	B941581
2	1	VL2454S	STEP LEG (PIPE 6 E.H)	B941581
3	6	VB1254	DIAG. BRACE (L 3-1/2 X 1/4)	B9422664
4	6	VB1255	DIAG. BRACE (L 3-1/2 X 1/4)	B9422664
5	6	VB1256	DIAG. BRACE (L 3-1/2 X 1/4)	B9422664
6	36	2100476A	BOLT ASSY 3/4 X 2 (BRACE)	C770404
7	24	2101646A	BOLT ASSY 1 X 5-3/4 (FLANGE)	C770404
8	9	2100466A	BOLT ASSY 3/4 X 1-3/4 (BRACE)	C770404

*

MISCELLANEOUS INFORMATION

OFFSET	BEVEL	TOP		BOTTOM		TOP	BOTTOM
		SIZE	P/N	SIZE	P/N		
1/2"	---	13.5X13.5 X1.25	135B	12.0X17.0	17N	12'-11"	14'-11 7/8"

GENERAL NOTES

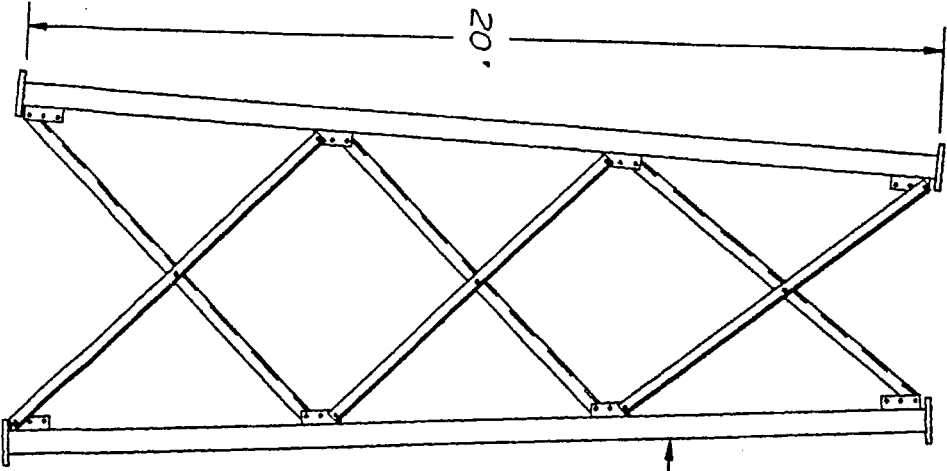
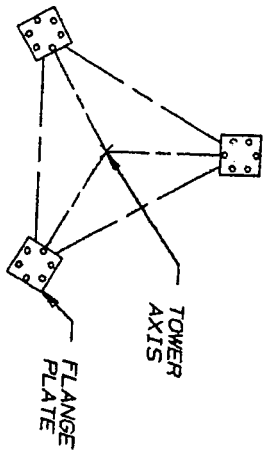
1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ONE LEG ONLY.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS.
5. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No. **▲** Revision Description
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 Scale: None
 Drawn: SRH 11/20/95
 Checked: u 11-22-95
 App. Eng.: HA 11-27-95
 App. Sales: HA 11/27/95

ROHN

ASSEMBLY DETAILS FOR
 SSV SECTION
 11N258

DRAWING NO.: A953150



ELEVATION

PLAN

NOTE:
BRACES ARE PLACED
IN TOP TO BOTTOM
ORDER GIVEN IN BILL
OF MATERIAL.

SECTION
LEG (TYP)

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	2	VL2256	LEG 6EHS PIPE	B931241
2	1	VL2256S	STEP LEG 6EHS PIPE	B931241
3	6	VB97	DIAG. BRACE (2-1/2 X 2-1/2 X 1/4)	B770041
4	6	VB98	DIAG. BRACE (2-1/2 X 2-1/2 X 1/4)	B770041
5	6	VB99	DIAG. BRACE (2-1/2 X 2-1/2 X 1/4)	B770041
6	45	210030GA	5/8" X 1-3/4" BOLT ASSY	C770404
7	18	210069GA	1" X 4-1/4" BOLT ASSY	C770404

MISCELLANEOUS INFORMATION

OFFSET	BEVEL	TOP		BOTTOM		TOP	BOTTOM
		SIZE	P/N	SIZE	P/N		
---	N/A	1/3.5X1/3.5X 1.25	135B	1/3.5X1/3.5X 1.25	135B	10"-11"	12"-11"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ONE LEG ONLY.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS.
5. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No. **Revision Description**
THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.

Scales: None

Drawn: CSR By Date

Checked: U 1/27 2-4-93

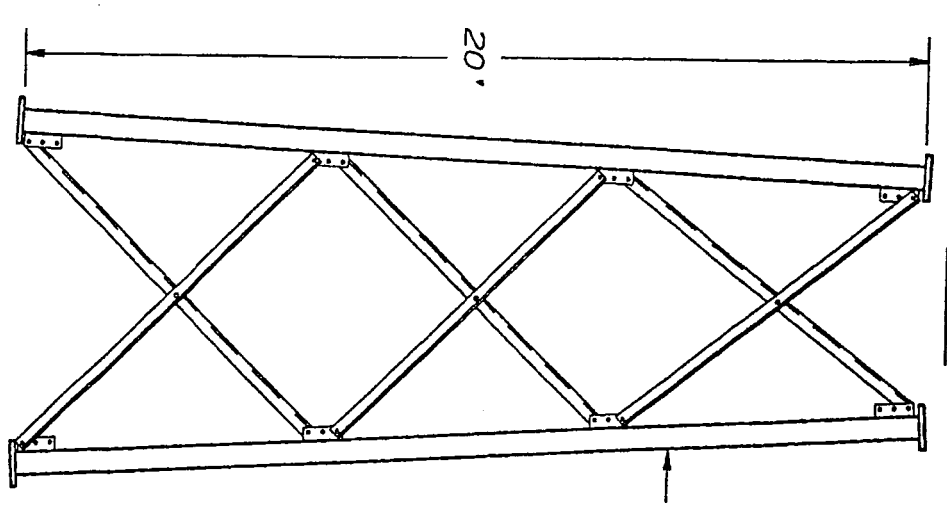
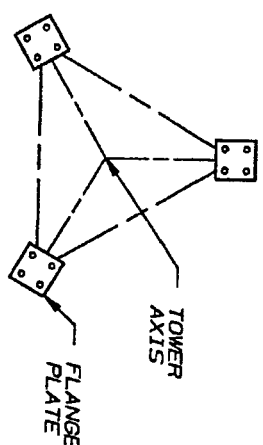
App. Eng.: 75 2-9-93

App. Sales: X 2-9-93

Date **Rev By** **Ckd By** **Appd By**
ROHN

Title: **ASSEMBLY DETAILS FOR SSV SECTION 10N239**

DRAWING NO.: **A930842**



NOTE:
BRACES ARE PLACED
IN TOP TO BOTTOM
ORDER GIVEN IN BILL
OF MATERIAL.

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	2	VL1236	LEG SEH PIPE	B841319
2	1	VL1236S	STEP LEG SEH PIPE	B841319
3	6	VB463	DIAG. BRACE (2-1/2 X 2-1/2 X 1/4)	B811379
4	6	VB464	DIAG. BRACE (2-1/2 X 2-1/2 X 1/4)	B811379
5	6	VB465	DIAG. BRACE (2-1/2 X 2-1/2 X 1/4)	B811379
6	45	2100306A	5/8" X 1-3/4" BOLT ASSY	C70404
7	18	2100696A	1" X 1-1/4" BOLT ASSY	C70404

MISCELLANEOUS INFORMATION

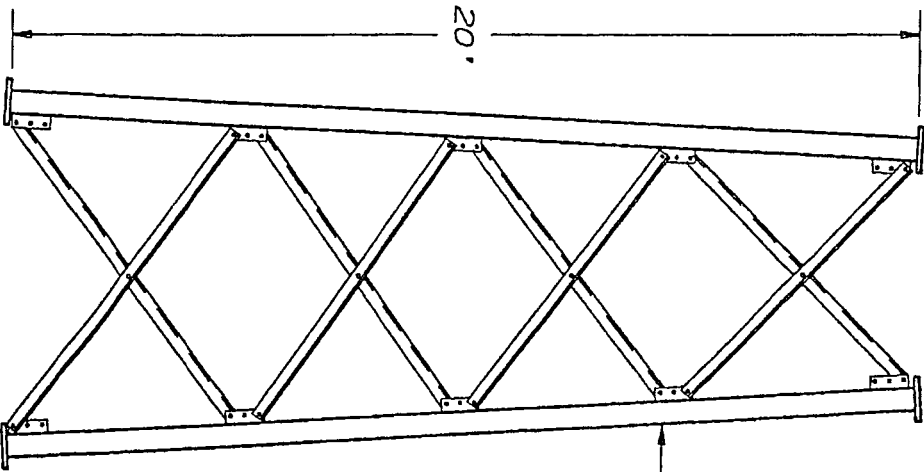
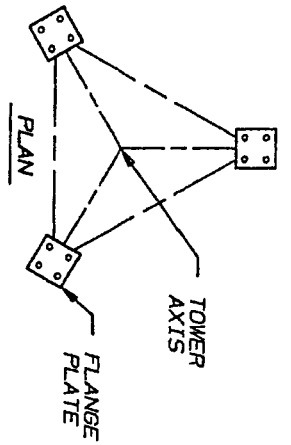
OFFSET	FLANGE PLATE		SPREAD	
	BEVEL	SIZE	TOP	BOTTOM
1/2"	N/A	9.5X9.5X1.25	95C	1.25
		9.5X13.6X1.35A	135A	1.35A
			8"-10"	10"-11"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ONE LEG ONLY.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No. ▲ Revision Description		Date ▲ Rev By ▲ Crd By ▲ Appd By	
THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.			
Scale: None	By	Date	
Drawn: JDM		2-4-93	
Checked: U		2-5-93	
App. Eng.: JS		2-9-93	
App. Sales: JS		2-9-93	
Title: ASSEMBLY DETAILS FOR SSV SECTION 9N394		DRAWING NO.: A930841	

ROHN



NOTE: BRACES ARE PLACED IN TOP TO BOTTOM ORDER GIVEN IN BILL OF MATERIAL.

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	2	VL1235	LEG (PIPE 4EH)	B841316
2	1	VL1235S	STEP LEG (PIPE 4EH)	B841316
3	6	VB128	DIAG. BRACE (L 2 X 2 X 1/4)	B770462
4	6	VB129	DIAG. BRACE (L 2 X 2 X 1/4)	B770462
5	6	VB130	DIAG. BRACE (L 2 X 2 X 1/4)	B770462
6	6	VB131	DIAG. BRACE (L 2 X 2 X 1/4)	B770462
7	60	2100306A	5/8 X 1-3/4 BOLT ASSEMBLY (BRACES)	C770404
8	12	2100696A	1 X 4-1/4 BOLT ASSEMBLY (FLANGES)	C770404

*

MISCELLANEOUS INFORMATION

OFFSET	BEVEL	FLANGE PLATE		SPREAD	
		TOP SIZE	BOTTOM SIZE	TOP	BOTTOM
1/2"	---	7X7X1	7G	9.5X9.5 X 1 1/4	95B 6'-9 1/8" 8'-10"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ONE LEG ONLY.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS.
5. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No. **Revision Description** **Date** **Rev By** **Crd By** **Appd By**

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ROHN

Scale: None
 Drawn: CSR 9/28/90
 Checked: JIL 10-2-90
 App. Eng.: JI 10-2-90
 App. Sales: PM 10-2-90

Title: **ASSEMBLY DETAILS FOR**

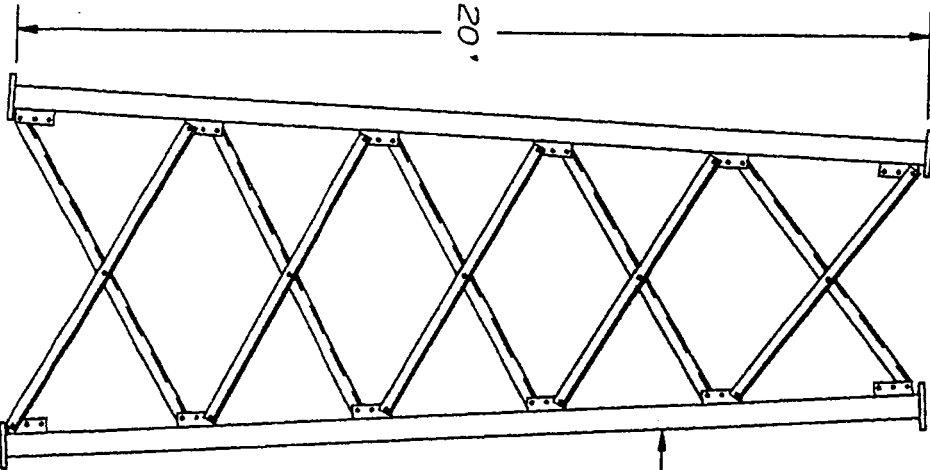
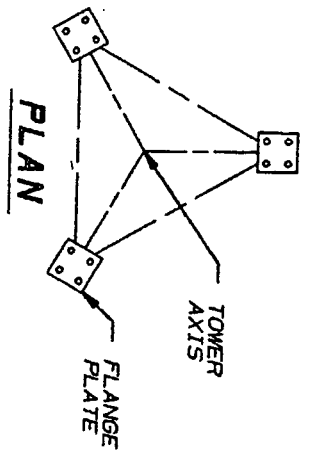
SSV SECTION

BN340

App. Sales: PM 10-2-90

DRAWING NO.: **A901416**

ELEVATION



NOTE: BRACES ARE PLACED IN TOP TO BOTTOM ORDER GIVEN IN BILL OF MATERIAL.

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	2	VL964	LEG 3EH PIPE	B820544
2	1	VL9645	STEP LEG 3EH PIPE	B820544
3	6	VB1144	DIAG. BRACE (2X2X1/4)	B931259
4	6	VB1145	DIAG. BRACE (2X2X1/4)	B931259
5	6	VB1146	DIAG. BRACE (2X2X1/4)	B931259
6	6	VB1147	DIAG. BRACE (2X2X1/4)	B931259
7	6	VB1148	DIAG. BRACE (2X2X1/4)	B931259
8	12	2100636A	7/8" X 3-1/2" BOLT ASSY	C770404
9	75	2100306A	5/8" X 1-3/4" BOLT ASSY (BRACES)	C770404

MISCELLANEOUS INFORMATION

OFFSET	BEVEL	FLANGE PLATE		SPREAD	
		TOP SIZE	BOTTOM SIZE	TOP P/N	BOTTOM P/N
1/2"	N/A	6X6X3/4	6C	7X7X1	7J
				4'-8-1/4"	6'-9-1/8"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER LEGS.
3. STEP BOLTS ARE PROVIDED ON ONE LEG ONLY.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS.
5. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No. **▲** Revision Description

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Scale: None

Drawn: JDM 2-8-93

Checked: *JS* 2-10-93

App. Eng.: *JS* 2-11-93

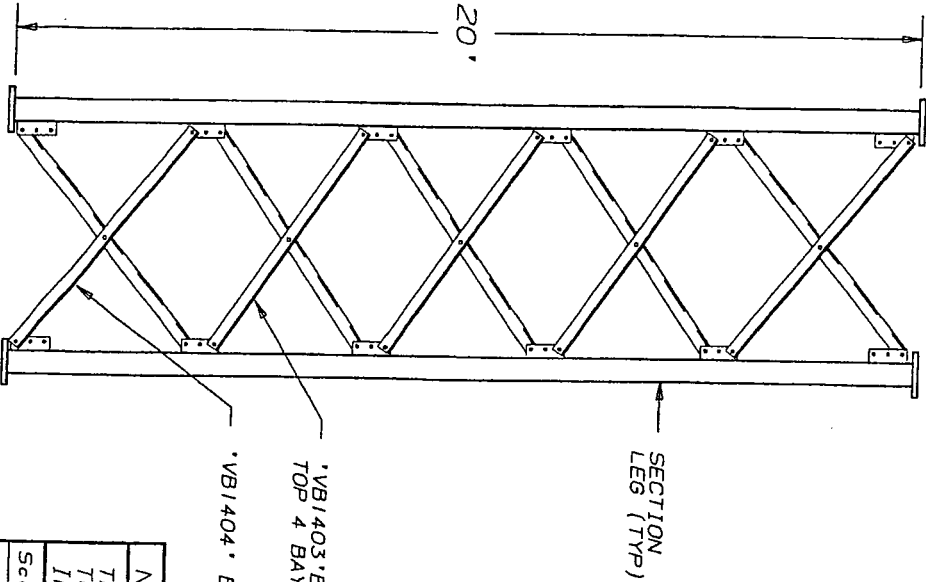
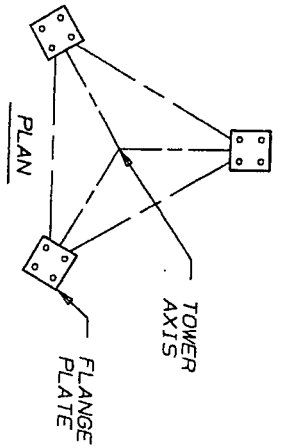
App. Sales: *SC* 2-11-93

Title: **ASSEMBLY DETAILS FOR SSV SECTION 7N528**

Date **▲** Rev By **▲** Crd By **▲** Appd By

ROHN

DRAWING NO.: **A930868**



BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	2	VL161	LEG (PIPE 2.5STD)	B741244
2	1	VL161S	STEP LEG (PIPE 2.5STD)	B741244
3	24	VB1403	DIAGONAL BRACE (L2 X 2 X 1/4)	B971404
4	6	VB1404	DIAGONAL BRACE (L2 X 2 X 1/4)	B971404
5	75	2100306A	5/8 X 1-3/4 BOLT ASSEMBLY (BRACES)	C770404
6	12	2100506A	3/4 X 2-3/4 BOLT ASSEMBLY (FLANGE)	C770404
7	16	5/8STEP	STEPBOLT ASSY 5/8X6-1/2 W/DBN	B651264

*

MISCELLANEOUS INFORMATION

FLANGE PLATE		SPREAD	
OFFSET	BEVEL	TOP SIZE	BOTTOM SIZE
1/4"	3-1/3 REV	5X5X3/4	5C 6X6X3/4 6A 4'-7 3/4" 4'-8 1/4"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ONE LEG ONLY.
4. FLANGE BOLTS (K) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.
5. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No. ▲ Revision Description

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Scale: NONE

Drawn: JHD 5/19/99

Checked: HNS 5-19-99

App. Eng.: JS 5-21-99

Parent File:

Date ▲ Rev By ▲ Ckd By ▲ Appd By

ROHN

ASSEMBLY DETAILS FOR
SSV SECTION
6N500

ENG. FILE:

DWG. NO.: A991555

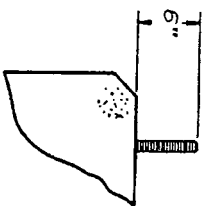
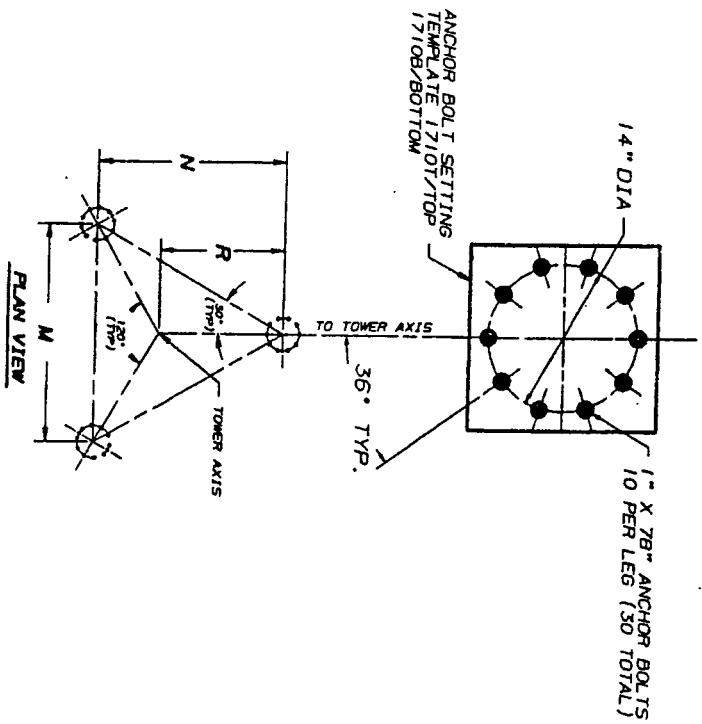
SHEET 1 OF 1

REV.

ID#	M	N	R
ABL101	18' 11 7/8	16' 5 3/8	10' 11 9/16
ABL102	21' 0	18' 2 1/4	12' 1 1/2
ABL103	23' 0	19' 11	13' 3 3/8
ABL104	25' 0	21' 7 13/16	14' 5 3/16
ABL105	8' 11 1/8	7' 8 3/4	5' 1 7/8
ABL106	10' 11 1/8	9' 5 9/16	6' 3 11/16
ABL107	12' 11 1/8	11' 2 5/16	7' 5 9/16
ABL108	15' 2 1/8	13' 1 3/4	8' 9 1/8
ABL109	17' 8 1/8	15' 3 11/16	10' 2 1/2
ABL1010	20' 2 1/8	17' 5 11/16	11' 7 13/16
ABL1011	22' 8 1/8	19' 7 11/16	13' 1 1/8
ABL1012	25' 2 1/8	21' 9 5/8	14' 6 7/16
ABL1013	27' 8 1/8	23' 11 5/8	15' 11 3/4
ABL1014	30' 2 1/8	26' 1 5/8	17' 5 1/16
ABL1015	32' 8 1/8	28' 3 9/16	18' 10 3/8
ABL1016	36' 5 1/8	31' 6 9/16	21' 0 3/8
ABL1017	40' 2 1/8	34' 9 9/16	23' 2 3/8
ABL1018	43' 11 1/8	38' 0 1/2	25' 4 5/16
ABL1019	47' 8 1/8	41' 3 1/2	27' 6 5/16
ABL1020	51' 5 1/8	44' 6 7/16	29' 8 5/16
ABL1021	55' 2 1/8	47' 9 7/16	31' 10 5/16
ABL1022	18' 10 1/4	16' 3 15/16	10' 10 5/8
ABL1023	22' 10 3/8	19' 9 5/8	13' 2 7/16
ABL1024	16' 10 1/4	14' 7 3/16	9' 8 3/4
ABL1025	20' 10 3/8	18' 0 13/16	12' 0 1/2
ABL1026	40' 0 1/2	34' 8 1/8	23' 1 3/8
ABL1027	16' 11 7/8	14' 8 9/16	9' 9 11/16

NOTES

- FOR ANCHOR AND FOUNDATION TOLERANCES REFER TO THE LATEST REVISION OF DWG. AND ABL10214.
- ALL ANCHOR BOLTS SHALL MEET OR EXCEED REQUIREMENTS OF ASTM A354 GR BC AND ARE HOOKED 180° AT THE BOTTOM.
- WHEN FOUNDATIONS ARE DESIGNED BY OTHERS, IT SHALL BE THE RESPONSIBILITY OF THE PURCHASER'S FOUNDATION ENGINEER TO INSURE THAT THE ANCHORAGES PROVIDED ARE COMPATIBLE WITH THE PROPOSED FOUNDATION DESIGNS AND THAT THE CAPACITIES OF THE ANCHORAGES ARE NOT LIMITED BY THE STRENGTH OF THE FOUNDATIONS.
- FOR ANCHOR BOLT TEMPLATE DETAILS SEE DRAWING B730921.



ANCHOR BOLT PROJECTION

REVISION	DATE	BY	CHKD	DATE
R1	12/1/88	PJD	J24	75
R2	4/8/90	WEB	NOU	75
R3	11/17/88	KTL	RCB	75
R4	11/17/88	KTL	RCB	75

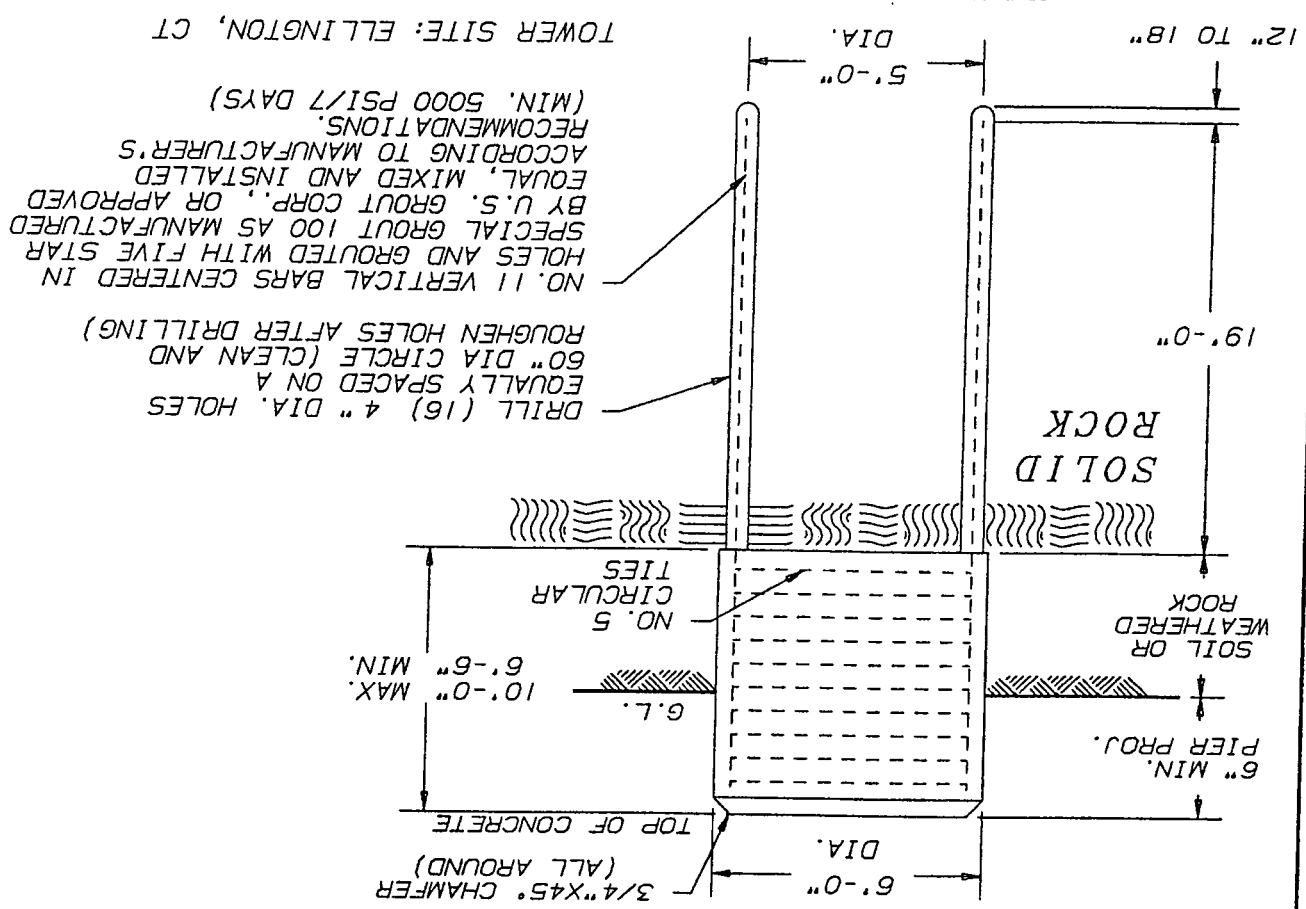
10 HOLE ANCHOR BOLT LAYOUT

DATE	BY	CHKD	DATE
12/1/88	PJD	J24	75
4/8/90	WEB	NOU	75
11/17/88	KTL	RCB	75
11/17/88	KTL	RCB	75

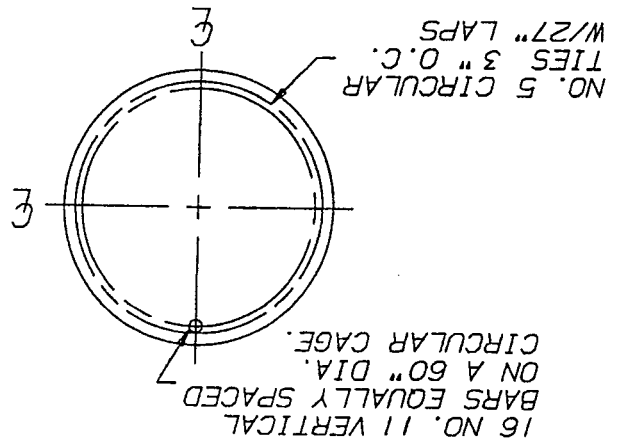
DWG. NO. C880790 R3

Parent File:	XK 4/3/00	ENG. FILE:	42895AE
App. Eng.:	DWG 4/3/00	DWG. NO.:	A000654-1
Checked:	DLB 03/31/00	SHEET 1 OF 3	REV.
Drawn:	By	NEW ENGLAND SITE MANAGEMENT	
Scale: NONE	Date	ROCK FOUNDATION DETAILS	
FOR NEW ENGLAND SITE MANAGEMENT			
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ROHN			
No. Revision Description			
Date			
Rev By			
Appd By			

ELEVATION VIEW



TOP VIEW



VOLUME OF CONCRETE

6.8 CU. YDS. FOR 1 PIER (MIN.)
10.5 CU. YDS. FOR 1 PIER (MAX.)

TOTAL VOLUME OF CONCRETE DEPENDS ON ELEVATION OF SOLID ROCK AND GROUND LINE AT EACH TOWER LEG.

REACTIONS/LEG	COMPRESSION =	369.0 KIPS
	TENSION =	332.7 KIPS
	SHEAR =	39.3 KIPS

NOTE: SEE TOWER ASSEMBLY DRAWING FOR FOUNDATION LAYOUT AND ANCHORAGE EMBEDMENT DRAWING NUMBER.

DRILL (16) 4" DIA. HOLES EQUALLY SPACED ON A 60" DIA CIRCLE (CLEAN AND ROUGHEN HOLES AFTER DRILLING)
NO. 11 VERTICAL BARS CENTERED IN HOLES AND GROUTED WITH FIVE STAR SPECIAL GROUT 100 AS MANUFACTURED BY U.S. GROUT CORP. OR APPROVED EQUAL, MIXED AND INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
(MIN. 5000 PSI/7 DAYS)

SOLID ROCK

PIER PROJ. 6" MIN.
SOIL OR WEATHERED ROCK

NO. 5 CIRCULAR TIES
G.L.
10'-0" MAX.
6'-6" MIN.

6'-0" DIA.
3/4" X 45" CHAMFER (ALL AROUND)
TOP OF CONCRETE

TOWER SITE: ELLINGTON, CT

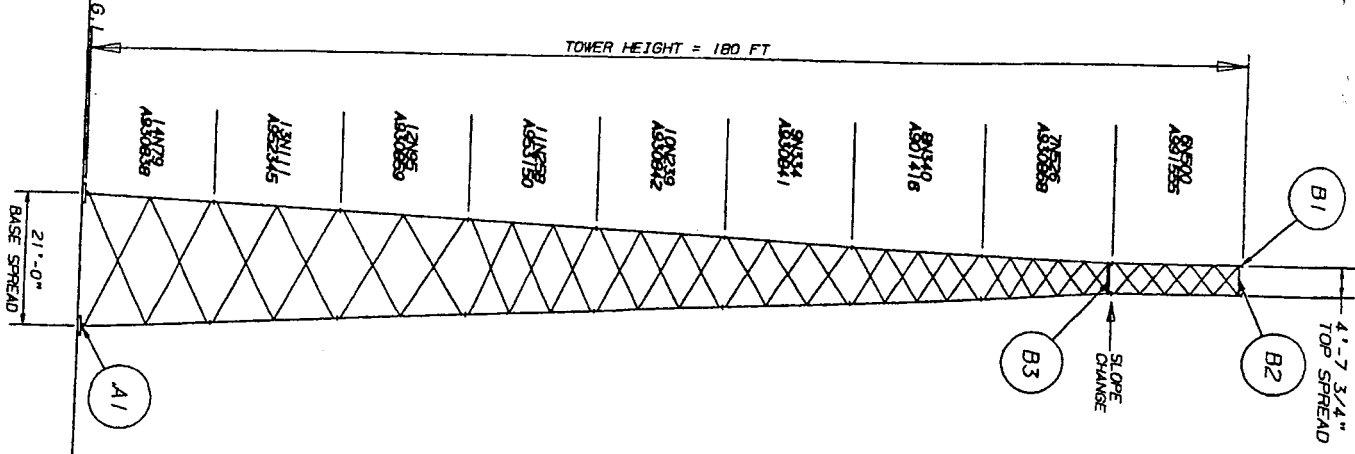
TOWER DESIGN LOADING

DESIGN WIND LOAD PER ANSI/TIA/EIA-222-F 1996, 90 MPH BASIC WIND SPEED (1/2" RADIAL ICE LOAD). THIS TOWER IS DESIGNED TO SUPPORT THE FOLLOWING LOADS.

ELEVATION (FT.)	ANTENNA TYPE	E.P.A. (SF)		LINE SIZE
		NO ICE	ICE	
175	(12) DAPA 2980.015 ANTENNAS W/ 12" LEG MOUNTING FRAMES	130.0	155.0	(12) 1-5/8"
165	(12) DAPA 2980.015 ANTENNAS W/ 12" LEG MOUNTING FRAMES	130.0	155.0	(12) 1-5/8"
155	(6) DAPA 2980.015 ANTENNAS W/ 12" LEG MOUNTING FRAMES	88.0	109.0	(6) 1-5/8"
145	(6) DAPA 2980.015 ANTENNAS W/ 12" LEG MOUNTING FRAMES	88.0	109.0	(6) 1-5/8"
135	(6) DAPA 2980.015 ANTENNAS W/ 12" LEG MOUNTING FRAMES	88.0	109.0	(6) 1-5/8"
	TOTAL	504.0	637.0	

GENERAL NOTES

1. ROW COMMUNICATION TOWER DESIGNS CONFORM TO ANSI/TIA/EIA-222-F UNLESS OTHERWISE SPECIFIED UNDER TOWER DESIGN LOADING TABLE ARE PROVIDED BY OTHERS UNLESS OTHERWISE SPECIFIED.
2. THE DESIGN LOADING CRITERIA INDICATED HAS BEEN ASSUMED TO BE BASED ON SITE-SPECIFIC DATA IN ACCORDANCE WITH ANSI/TIA/EIA-222-F AND MUST BE VERIFIED BY OTHERS PRIOR TO INSTALLATION.
3. SEE INDIVIDUAL SETS OF ASSEMBLY DRAWINGS FOR PART NUMBERS.
4. STEP BOLTS ARE PROVIDED ON ALL LEGS ONLY FOR SECTIONS 6 THROUGH 11, AND ALL THREE LEGS FOR SECTIONS 12 THROUGH 16 AND ALL W/ SECTIONS.
5. REFER TO THE LATEST REVISIONS OF THE DRAWINGS SHOWN IN THE BILL OF MATERIALS.
6. THE NUTS ARE PROVIDED FOR ALL TOWER AND ANCHOR BOLTS (SEE THE LEG PART NUMBER IS STAMPED AT THE BOTTOM OF EACH LEG OF EACH LEG).
7. DESIGN ASSUMES LEVEL GRADE AT TOWER SITE.
8. STANDARDS FOR STEEL TOWER TOWERS AND ANTENNA SUPPORTING STRUCTURES OR WINDS OR.
9. PURCHASER SHALL VERIFY THE INSTALLATION IS IN CONFORMANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS FOR CONSTRUCTION MARKING AND LIGHTING.
10. TOWER MEMBER DESIGN DOES NOT INCLUDE STRESSES DUE TO ERECTION STRESS EQUIPMENT AND CONDITIONS ARE LAMINAR DESIGN ASSUMES COMPETENT AND QUALIFIED PERSONNEL WILL ERECT THE TOWER. DESIGN ASSUMES THAT AS A MINIMUM, MAINTENANCE AND INSPECTION WILL BE PERFORMED OVER THE LIFE OF THE STRUCTURE.
11. DESIGN ASSUMES THAT THE ANTENNAS ARE MOUNTED SYMMETRICALLY TO MINIMIZE TORQUE.
12. DESIGN ASSUMES THAT ANTENNA TRANSMISSION LINES AND WAVEGUIDE LADDERS ARE DISTRIBUTED OVER THE TOWER FACES.
13. ONE 15-HOLE WAVEGUIDE LADDER WITH 10" ON CENTER RING SPACING HANGERS. TWO WAVEGUIDE LADDERS ARE PLUMB TOWER FOR SWAP-ON STEP BOLTS WITH ROPE-LOC SAFETY DEVICE ARE PROVIDED FOR CLIMBING THE ENTIRE TOWER HEIGHT.
14. MEMBER COUNTING FRAMES ARE TO BE PROVIDED BY OTHERS.
15. MEMBER COUNTING FRAMES DENOTE ITEM NUMBERS IN BILL OF MATERIAL.



TOWER REACTIONS

COMPRESSION =	369.0 KIPS
TENSION =	332.7 KIPS
TOTAL SHEAR =	361.9 KIPS
O.T.M. =	6330.3 FT-KIPS

00004882B - ANCHOR MATERIAL

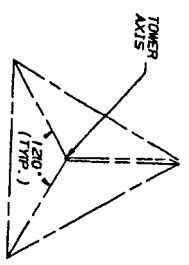
ITEM	QTY.	PART NO.	ITEM DESCRIPTION	DWG. NO.
A1	1	3012784B	ANCHOR BOLT ASSY 30-17X84170T	N/A
A2	1	AB1102	FOUNDATION 10-HOLE FS 21" 0"	0880290
A3	1	4000654	FOUNDATION 10-HOLE FS 21" 0"	4000654
A4	1	AB10214	FOUNDATION & ANCHOR TOLERANCE	1810214
A5	1	B7305821	ANCHOR BOLT TEMPLATE INSTALLATION	B7305821

00004881AB - TOWER ACCESSORIES

ITEM	QTY.	PART NO.	ITEM DESCRIPTION	DWG. NO.
B1	2	0P541	FLATE ASSY CAP 5" FL PL 5	B760739
B2	1	189554	DIRT ASSY 8X11.75X.13 6380CT	D880659
B3	1	189554	DIRT ASSY 7X11.75X.13 6380CT	D880659
B4	1	W10F15K10	LAUNDER ASSY W/G FACE 10" 75 44	C901818
B5	8	W10F15K10	LAUNDER ASSY W/G FACE 10" 75 44	C901818
B6	15	K1695	CLIP ASSY 1.75-2.5" ANGLE BRACE LADDER	N/A
B7	9	K17287A	CLIP ASSY 3.5-4.5" ANGLE BRACE LADDER	N/A
B8	3	40K86	KIT BASE 680 SSV 7X8 450L TIN	C231105
B9	1	1A90135	STEPBOLT DETAIL	N/A
B10	1	1A90135	STEPBOLT DETAIL	N/A
B11	1	B51264	GRUUTING & DRAINAGE DETAIL SSV	B51264
B12	1	5K720305	GRUUTING & DRAINAGE DETAIL SSV	5K720305

00004885D - SAFETY DEVICE

ITEM	QTY.	PART NO.	ITEM DESCRIPTION	DWG. NO.
C1	1	RLFBM	HARDNESS ROW-LOC MEDIUM W/R SC & LAN	N/A
C2	1	RLFBM	HARDNESS ROW-LOC MEDIUM W/R SC & LAN	N/A
C3	3	RLCR2	POST ASSY TOR RL 5X5X3.4" RL PL	C21234
C4	5	RLCR2	POST ASSY TOR RL 5X5X3.4" RL PL	N/A
C5	1	RLCR2	POST ASSY TOR RL 5X5X3.4" RL PL	N/A
C6	1	RLCR2	POST ASSY TOR RL 5X5X3.4" RL PL	N/A
C7	1	RLCR2	POST ASSY TOR RL 5X5X3.4" RL PL	N/A



TOWER CONFIGURATION
N.T.S.

TOWER SITE: ELLINGTON, CT
COUNTY: TOLLAND

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180' SSV TOWER ASSEMBLY
FOR NEW ENGLAND
SITE MANAGEMENT

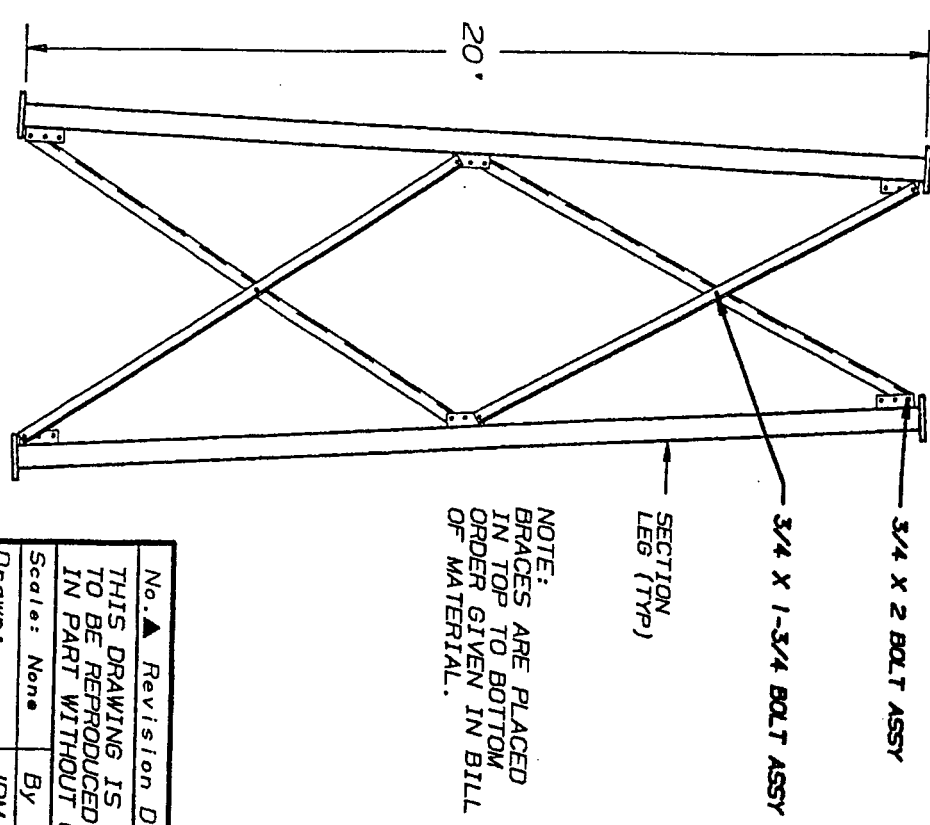
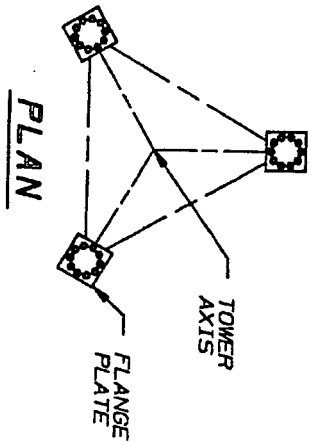
ROHN

DATE: 5/11/00
BY: L.L.K.
CHECKED: L.L.K.
APP. ENG.: L.L.K.
Parent File: 428954R

Item----- Description----- Old Wt ----Accum Wt

C000488LAB TOWER ASSY SSV 180' L/AB' 31,463.91

item	quantity	u-m	unit wt.	ext. wt.	galv. wt.
CP5A1	2.00000	EA	1.57	3.14	3.14
VB955A	1.00000	EA	21.66	21.66	21.66
VB826A	1.00000	EA	21.66	21.66	21.66
WL10F154KD	1.00000	EA	40.70	40.70	40.70
WL20F154KD	8.00000	EA	75.16	601.28	601.28
KY695	15.00000	EA	2.14	32.10	32.10
KY1287A	9.00000	EA	3.08	27.72	27.72
BGK8G	3.00000	EA	11.02	33.06	33.06
ACWS	1.00000	EA	0.06	0.06	0.06
A790135	1.00000	EA	0.00	0.00	0.00
B651264	1.00000	EA	0.00	0.00	0.00
SK720305	1.00000	EA	0.00	0.00	0.00
6N500	1.00000	EA	1,103.65	1,103.65	1,103.65
7N526	1.00000	EA	1,483.37	1,483.37	1,483.37
8N340	1.00000	EA	1,928.97	1,928.97	1,928.97
9N334	1.00000	EA	2,650.11	2,650.11	2,650.11
10N239	1.00000	EA	3,024.93	3,024.93	3,024.93
11N258	1.00000	EA	4,363.20	4,363.20	4,363.20
12N95	1.00000	EA	4,701.72	4,701.72	4,701.72
13N111	1.00000	EA	5,662.98	5,662.98	5,662.98
14N79	1.00000	EA	5,763.60	5,763.60	5,763.60
				31,463.91	31,463.91 TOTAL



NOTE:
BRACES ARE PLACED
IN TOP TO BOTTOM
ORDER GIVEN IN BILL
OF MATERIAL.

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	3	VL1539	STEP LEG BEH PIPE	B870581
2	6	VB36	DIAG. BRACE (4 X 4 X 1/4)	B760147
3	6	VB37	DIAG. BRACE (4 X 4 X 1/4)	B760147
4	24	2100476A	3/4" X 2" BOLT ASSY	C770404
5	6	2100466A	3/4" X 1-3/4" BOLT ASSY	C770404
6	30	230029	1" PAL NUTS	N/A

MISCELLANEOUS INFORMATION

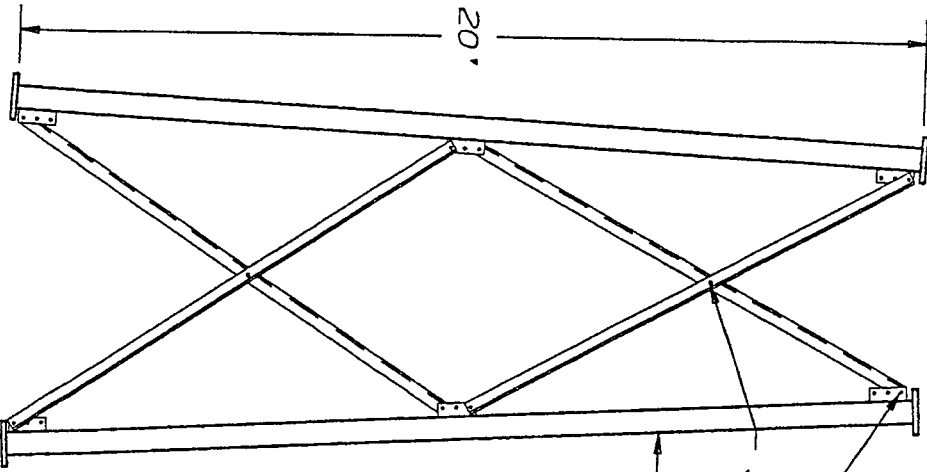
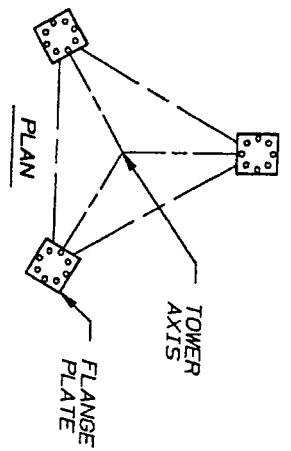
OFFSET	FLANGE PLATE		SPREAD	
	BEVEL	SIZE	TOP P/N	BOTTOM P/N
N/A	3-1/3°	17X17X2	17A	17E
	STD			
			19'-0"	21'-0"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ALL THREE LEGS.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS.
5. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No. ▲ Revision Description		▲ Date ▲ Rev By ▲ Ckd By ▲ Appd By	
THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.			
Scale: None	By	Date	
Drawn: JDM		2-3-93	
Checked: U	472	2-5-93	
App. Eng.: J	75	2-9-93	
App. Sales: JC		2-7-93	
Title:		ASSEMBLY DETAILS FOR	
		SSV SECTION (BASE)	
		14N79	
		DRAWING NO.: A930838	

ROHN



ELEVATION

NOTE:
BRACES ARE PLACED
IN TOP TO BOTTOM
ORDER GIVEN IN BILL
OF MATERIAL.

BILL OF MATERIAL				
ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	3	VL674	STEP LEG (PIPE BEH)	B800161
2	6	V834	DIAG. BRACE (L 4 X 4 X 1/4)	B760145
3	6	V835	DIAG. BRACE (L 4 X 4 X 1/4)	B760145
4	24	2103476A	3/4 X 2 BOLT ASSY.	C770404
5	6	2102466A	3/4 X 1-3/4 BOLT ASSY.	C770404
6	24	2101646A	1 X 5-3/4 BOLT ASSY. (FLANGES)	C770404

MISCELLANEOUS INFORMATION					
FLANGE PLATE			SPREAD		
OFFSET	BEVEL	TOP SIZE	BOTTOM P/N	TOP SIZE	BOTTOM P/N
N/A	N/A	17X17X2	17A	17X17X2	17A
				16'-11 7/8"	19'-0"

- GENERAL NOTES**
1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
 2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
 3. STEP BOLTS ARE PROVIDED ON ALL THREE LEGS.
 4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS.
 5. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES. ONLY UNLESS OTHERWISE NOTED.

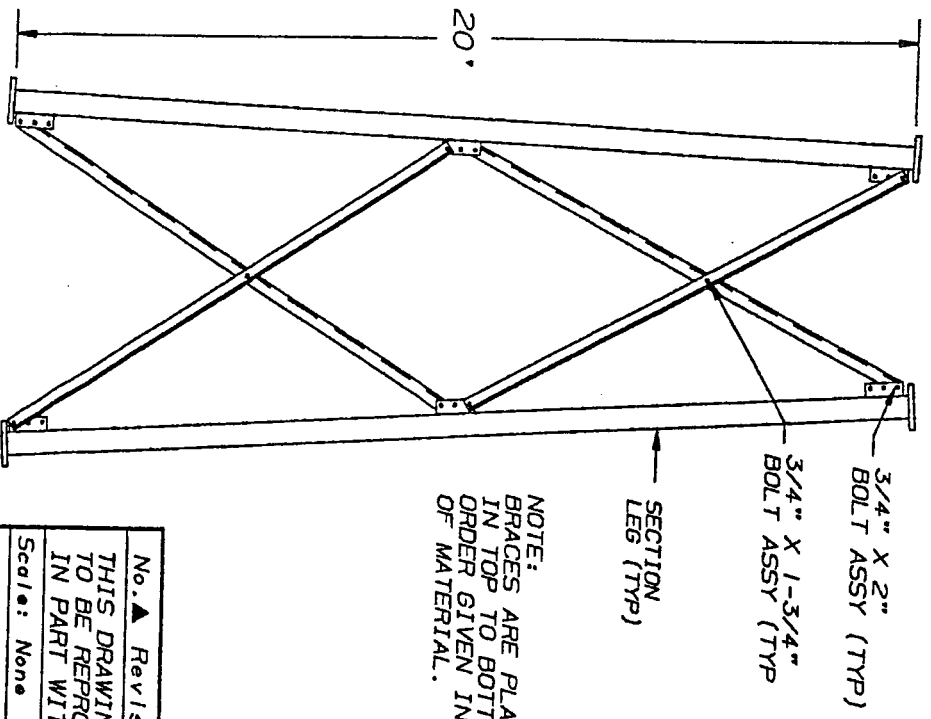
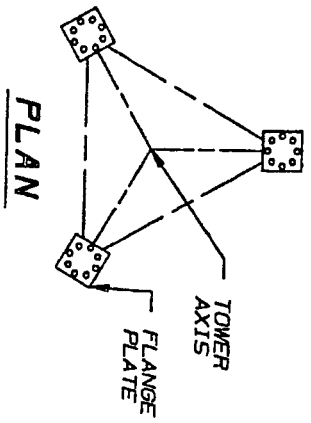
No. ▲	Revision Description	Date	Rev By	Appd By
	THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.			
	Scale: None		By	Date
	Drawn: BRT	8/9/95		
	Checked: V	8/15/95		
	App. Eng.: JS	8/16/95		
	App. Sales: JS	8-16-95		

▲ Date ▲ Rev By ▲ Ckd By ▲ Appd By

R O H N

ASSEMBLY DETAILS FOR
SSV SECTION
13N1111

DRAWING NO.: A952345



NOTE: BRACES ARE PLACED IN TOP TO BOTTOM ORDER GIVEN IN BILL OF MATERIAL.

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	3	VL1158	STEP LEG BEHS PIPE	BB40504
2	6	VB32	DIAG. BRACE (3-1/2 X 3-1/2 X 1/4)	B760142
3	6	VB33	DIAG. BRACE (3-1/2 X 3-1/2 X 1/4)	B760142
4	24	2100476A	3/4 X 2 BOLT ASSY	C770404
5	24	2101646A	1 X 5-3/4 BOLT ASSY (FLANGES)	C770404
6	6	2100466A	3/4 X 1-3/4 BOLT ASSY	C770404

MISCELLANEOUS INFORMATION

OFFSET	BEVEL	FLANGE PLATE		SPREAD	
		TOP SIZE	BOTTOM P/N	TOP SIZE	BOTTOM P/N
N/A	N/A	17X17X2	17A	17X17X2	17A
				14" 11-7/8"	16" 11-7/8"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ALL THREE LEGS.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No. **▲** Revision Description

THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.

Scale: None

By: JDM Date: 2-5-93

Checked: U 4/2 2-5-93

App. Eng.: J 2-9-93

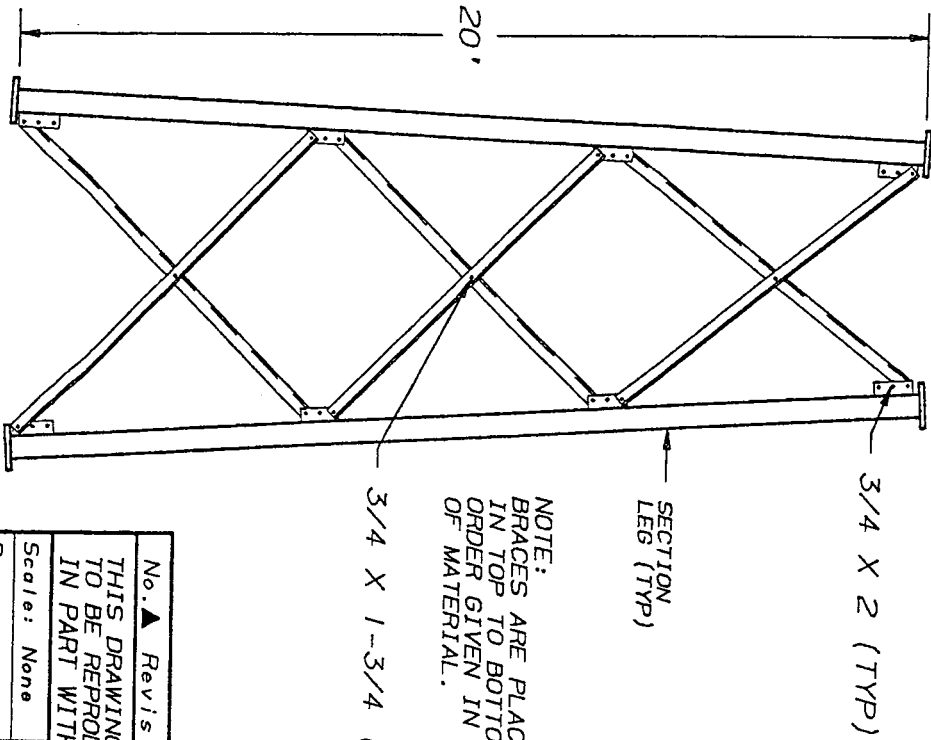
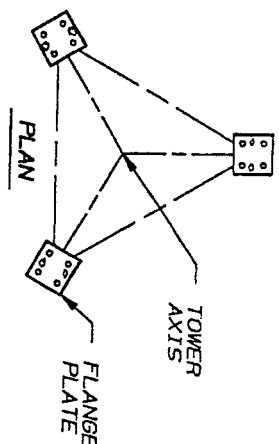
App. Sales: JC 2-9-93

▲ Date ▲ Rev By ▲ Ckd By ▲ Appd By

ROHN

ASSEMBLY DETAILS FOR
SSV SECTION
12N95

DRAWING NO.: A930859



NOTE:
BRACES ARE PLACED
IN TOP TO BOTTOM
ORDER GIVEN IN BILL
OF MATERIAL.

3/4 X 1-3/4 (TYP)

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	2	VL2454	LEG (PIPE 6 E.H)	B941581
2	1	VL2454S	STEP LEG (PIPE 6 E.H)	B941581
3	6	VB1254	DIAG. BRACE (L 3-1/2 X 1/4)	B9422664
4	6	VB1255	DIAG. BRACE (L 3-1/2 X 1/4)	B9422664
5	6	VB1256	DIAG. BRACE (L 3-1/2 X 1/4)	B9422664
6	36	2100476A	BOLT ASSY 3/4 X 2 (BRACE)	C770404
7	24	2101646A	BOLT ASSY 1 X 5-3/4 (FLANGE)	C770404
8	9	2100466A	BOLT ASSY 3/4 X 1-3/4 (BRACE)	C770404

MISCELLANEOUS INFORMATION

OFFSET	BEVEL	FLANGE PLATE		SPREAD	
		TOP SIZE	BOTTOM P/N	TOP SIZE	BOTTOM P/N
1/2"	---	13.5X13.5 X1.25	135B	17.0X17.0 X2.0	17N
				12'-11"	14'-11 7/8"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ONE LEG ONLY.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT'S. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

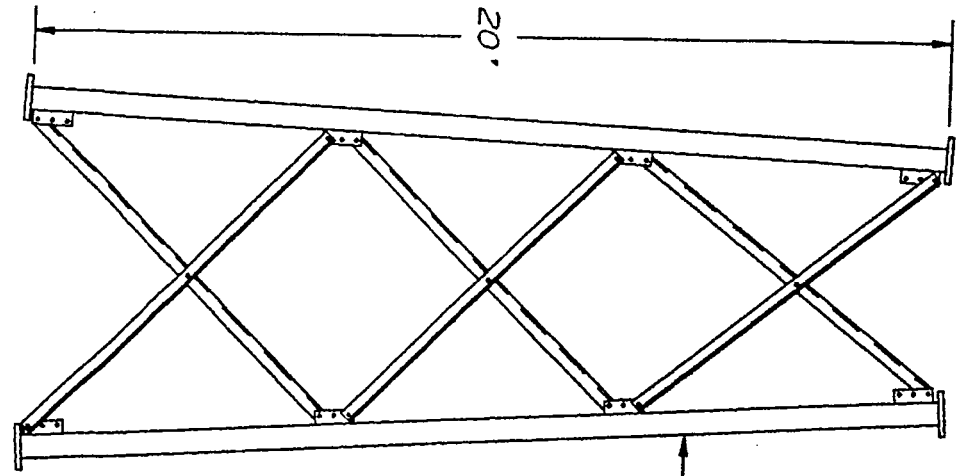
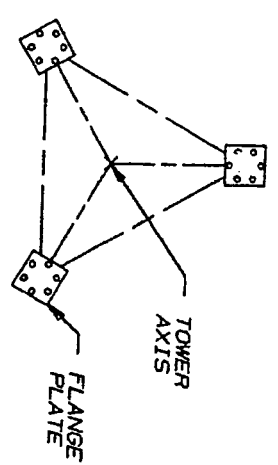
No. ▲	Revision Description	Date	Rev By	▲ Ckd By	▲ Appd By
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Scales: None	By	Date
Drawn: SRH		11/20/95
Checked: U		11-22-95
App. Eng.:		11-27-95
App. Sales:		11/27/95

Title: **ASSEMBLY DETAILS FOR SSV SECTION 11N258**

ROHN

DRAWING NO. : **A953150**



NOTE:
BRACES ARE PLACED
IN TOP TO BOTTOM
ORDER GIVEN IN BILL
OF MATERIAL.

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	2	VL22566	LEG 6EHS PIPE	B931241
2	1	VL22565	STEP LEG 6EHS PIPE	B931241
3	6	VB97	DIAG. BRACE (2-1/2 X 2-1/2 X 1/4)	B770041
4	6	VB98	DIAG. BRACE (2-1/2 X 2-1/2 X 1/4)	B770041
5	6	VB99	DIAG. BRACE (2-1/2 X 2-1/2 X 1/4)	B770041
6	45	2100306A	5/8" X 1-3/4" BOLT ASSY	C770404
7	18	2100696A	1" X 4-1/4" BOLT ASSY	C770404

MISCELLANEOUS INFORMATION

OFFSET	BEVEL	FLANGE PLATE		SPREAD	
		TOP SIZE	P/N	BOTTOM SIZE	P/N
---	N/A	1/3.5X13.5X 1.25	135B	1/3.5X13.5X 1.25	135B
				10'-11"	12'-11"

GENERAL NOTES

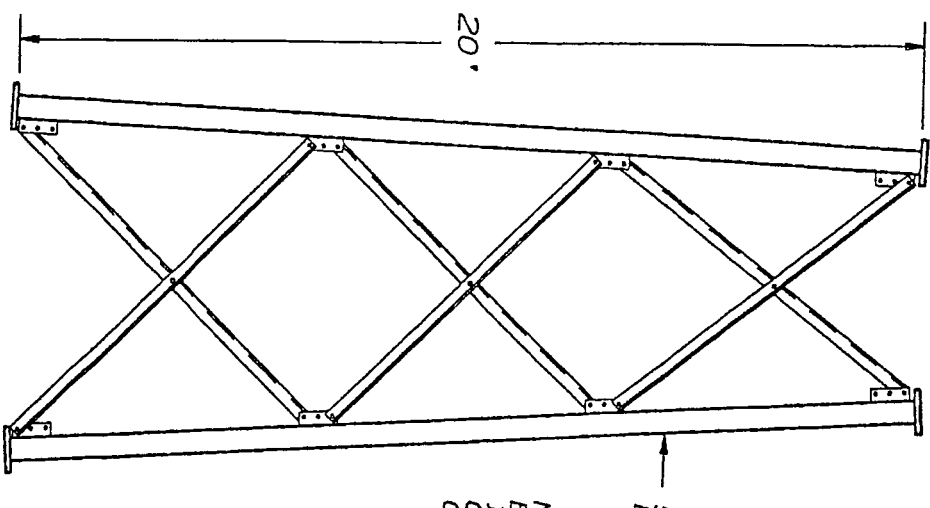
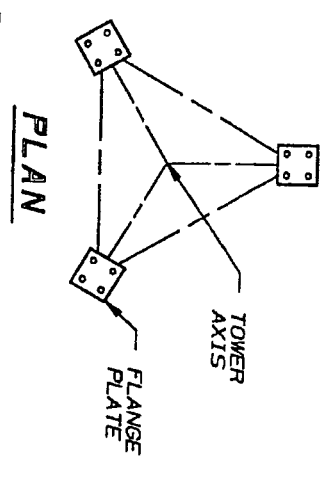
1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ONE LEG ONLY.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS.
5. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No. ▲	Revision Description	Date	Rev By	Appd By
	THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.			
	Scale: None			
	Drawn: CSR	2-4-93		
	Checked: U	2-9-93		
	App. Eng.: JS	2-9-93		
	App. Sales: JC	2-9-93		

ROHN

ASSEMBLY DETAILS FOR
SSV SECTION
10N239

DRAWING NO.: A930842



NOTE:
BRACES ARE PLACED
IN TOP TO BOTTOM
ORDER GIVEN IN BILL
OF MATERIAL.

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	2	VL1236	LEG SEH PIPE	BB41319
2	1	VL1236S	STEP LEG SEH PIPE	BB41319
3	6	VB463	DIAG. BRACE (2-1/2 X 2-1/2 X 1/4)	BB11379
4	6	VB464	DIAG. BRACE (2-1/2 X 2-1/2 X 1/4)	BB11379
5	6	VB465	DIAG. BRACE (2-1/2 X 2-1/2 X 1/4)	BB11379
6	45	2100306A	5/8" X 1-3/4" BOLT ASSY	C770404
7	18	2100696A	1" X 1-1/4" BOLT ASSY	C770404

MISCELLANEOUS INFORMATION

FLANGE PLATE		SPREAD	
OFFSET	BEVEL	TOP	BOTTOM
SIZE	P/N	SIZE	P/N
1/2"	N/A	9.5X9.5X 1.25	95C 1.25
		13.5X13.6X 1.25	135A
		8"-10"	10"-11"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ONE LEG ONLY.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS.
5. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No.	Revision Description	Date	Rev By	Appd By
1	THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.			

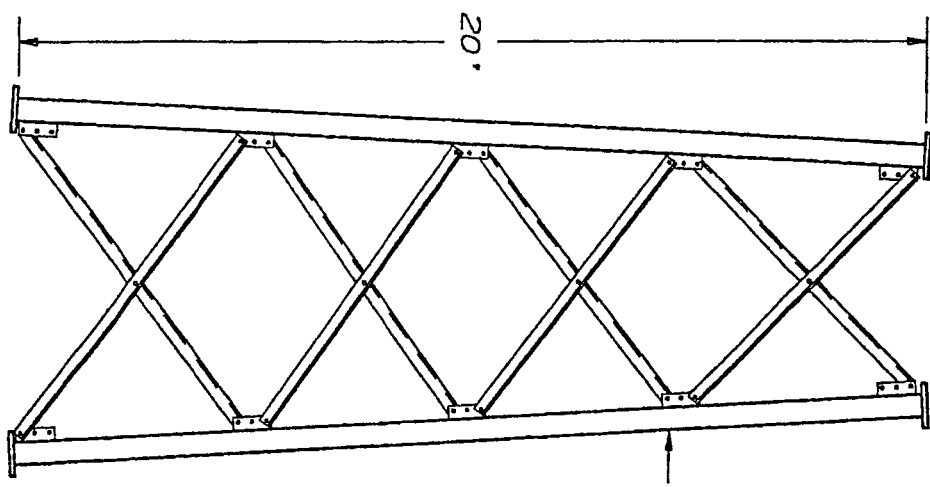
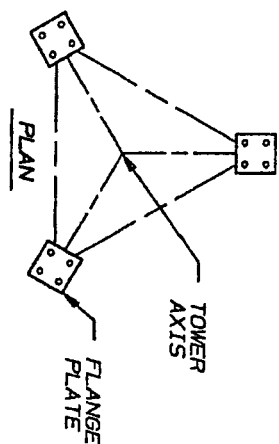
ROHN

ASSEMBLY DETAILS FOR

SSV SECTION
9N394

Drawn:	JDM	Date	2-4-93
Checked:	U	Date	2-5-93
App. Eng.:	JS	Date	2-9-93
App. Sales:	JS	Date	2-9-93

DRAWING NO.: A930841



NOTE:
BRACES ARE PLACED
IN TOP TO BOTTOM
ORDER GIVEN IN BILL
OF MATERIAL.

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	2	VL1235	LEG (PIPE 4EH)	B841316
2	1	VL1235S	STEP LEG (PIPE 4EH)	B841316
3	6	VB128	DIAG. BRACE (L 2 X 2 X 1/4)	B770462
4	6	VB129	DIAG. BRACE (L 2 X 2 X 1/4)	B770462
5	6	VB130	DIAG. BRACE (L 2 X 2 X 1/4)	B770462
6	6	VB131	DIAG. BRACE (L 2 X 2 X 1/4)	B770462
7	60	2100306A	5/8 X 1-3/4 BOLT ASSEMBLY (BRACES)	C770404
8	12	2100696A	1 X 4-1/4 BOLT ASSEMBLY (FLANGES)	C770404

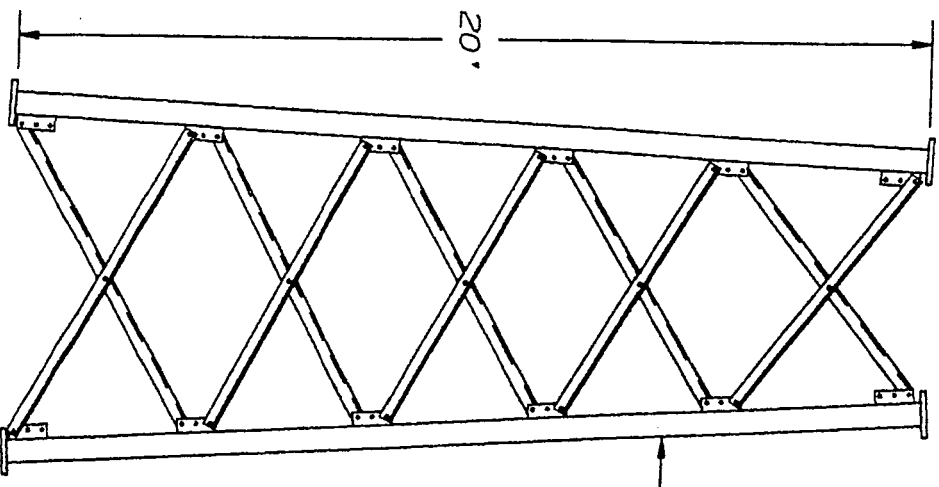
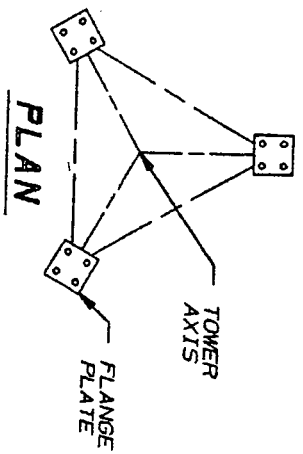
MISCELLANEOUS INFORMATION

OFFSET	FLANGE PLATE		SPREAD	
	BEVEL	SIZE	TOP	BOTTOM
1/2"	---	7X7X1	76	9.5X9.5 X1 1/4
			95B	6'-9 1/8"
				8'-10"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ONE LEG ONLY.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS.
5. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No. ▲ Revision Description		Date ▲ Rev By ▲ Ckd By ▲ Appd By	
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Scale: None	By CSR	Date 9/28/90	Title: ASSEMBLY DETAILS FOR SSV SECTION BN340
Drawn:	CSR	10-2-90	
Checked:	JJ	10-2-90	
App. Eng.:	JJ	10-2-90	
App. Sales:	PM	10-2-90	DRAWING NO.: A901416



NOTE:
BRACES ARE PLACED
IN TOP TO BOTTOM
ORDER GIVEN IN BILL
OF MATERIAL.

BILL OF MATERIAL

ITEM	QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	2	VL964	LEG 3EH PIPE	B820544
2	1	VL964S	STEP LEG 3EH PIPE	B820544
3	6	VB1144	DIAG. BRACE (2X2X1/4)	B931259
4	6	VB1145	DIAG. BRACE (2X2X1/4)	B931259
5	6	VB1146	DIAG. BRACE (2X2X1/4)	B931259
6	6	VB1147	DIAG. BRACE (2X2X1/4)	B931259
7	6	VB1148	DIAG. BRACE (2X2X1/4)	B931259
8	12	2100636A	7/8" X 3-1/2" BOLT ASSY	C770404
9	75	2100306A	5/8" X 1-3/4" BOLT ASSY (BRACES)	C770404

MISCELLANEOUS INFORMATION

OFFSET	BEVEL	FLANGE PLATE		SPREAD	
		TOP SIZE	BOTTOM SIZE	TOP P/N	BOTTOM P/N
1/2"	N/A	6X6X3/4	6C	7X7X1	7J
				4' 8-1/4"	6' 9-1/8"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ONE LEG ONLY.
4. FLANGE BOLTS (*) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No. **▲** Revision Description

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Scales: None

By: JDM Date: 2-8-93

Checked: U Date: 2-10-93

App. Eng.: TS Date: 2-11-93

App. Sales: JC Date: 2-11-93

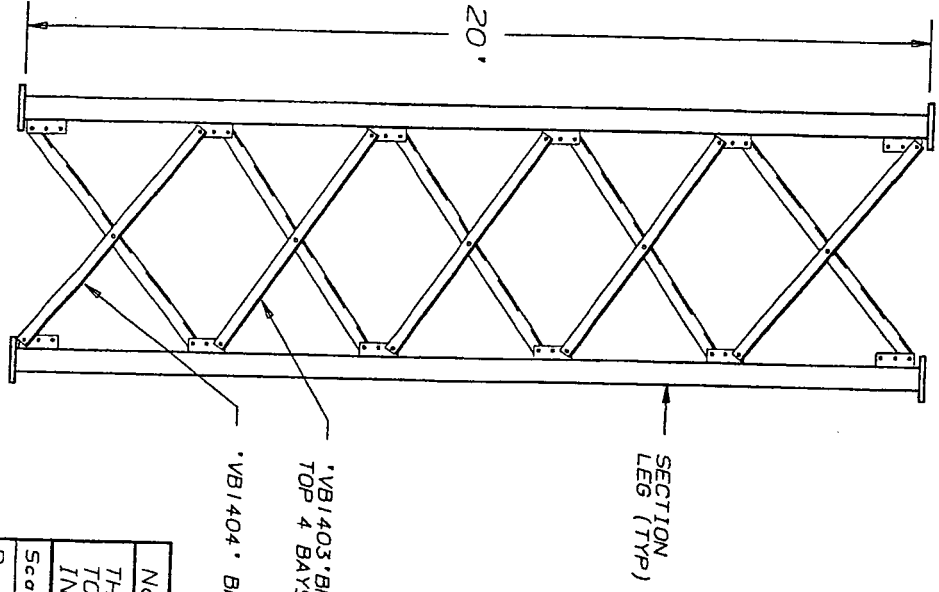
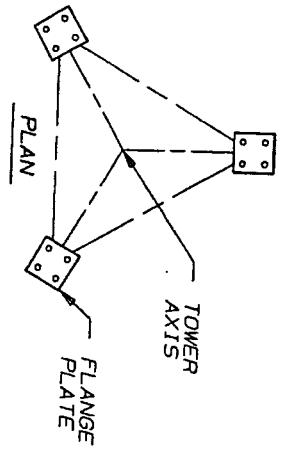
Title: **ASSEMBLY DETAILS FOR SSV SECTION 7N526**

Rev By: **ROHN**

Crk By: **ROHN**

Appd By: **ROHN**

DRAWING NO.: **A930868**



BILL OF MATERIAL

ITEM QUAN.	PART NO.	DESCRIPTION	DWG. NO.
1	2	VL161 LEG (PIPE 2.5STD)	B741244
2	1	VL161S STEP LEG (PIPE 2.5STD)	B741244
3	24	VB1403 DIAGONAL BRACE (L2 X 2 X 1/4)	B971404
4	6	VB1404 DIAGONAL BRACE (L2 X 2 X 1/4)	B971404
5	75	2100306A 5/8 X 1-3/4 BOLT ASSEMBLY (BRACES)	C770404
6	12	2100506A 3/4 X 2-3/4 BOLT ASSEMBLY (FLANGE)	C770404
7	16	5/8STEP STEPBOLT ASSY 5/8X6-1/2 W/DBN	B651264

*

MISCELLANEOUS INFORMATION

FLANGE PLATE		SPREAD	
OFFSET	BEVEL	TOP SIZE	BOTTOM SIZE
1/4"	3-1/3 REV	5X5X3/4	5C 6X6X3/4 6A 4'-7 3/4" 4'-8 1/4"

GENERAL NOTES

1. LEG P/N IS STAMPED AT BOTTOM OF EACH LEG OF EACH SECTION.
2. PAL NUTS ARE PROVIDED FOR ALL TOWER BOLTS.
3. STEP BOLTS ARE PROVIDED ON ONE LEG ONLY.
4. FLANGE BOLTS (K) GIVEN IN BILL OF MATERIAL ARE FOR FLANGE PLATES AT BOTTOM OF SECTION. IF THE SECTION IS USED AS A BASE SECTION SEE THE TOWER ASSEMBLY DRAWING OR ANCHOR BOLT LAYOUT FOR CORRECT SIZE AND QUANTITY OF ANCHOR BOLTS. BEVEL FOR FLANGE PLATES IS FOR BOTTOM FLANGE PLATES ONLY UNLESS OTHERWISE NOTED.

No.▲	Revision Description	Date	Rev By	Ckd By	Appd By
1	THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.				

ROHN

ASSEMBLY DETAILS FOR
SSV SECTION
6N500

Scale: NONE	By	Date
Drawn: JHD		5/19/99
Checked: JMS		5-19-99
App. Eng.: JS		5-21-99
Parent File:		

ENG. FILE:

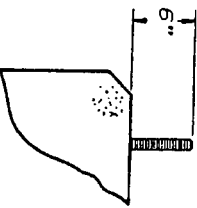
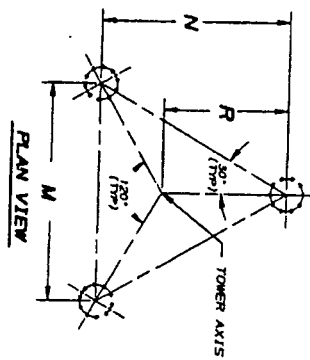
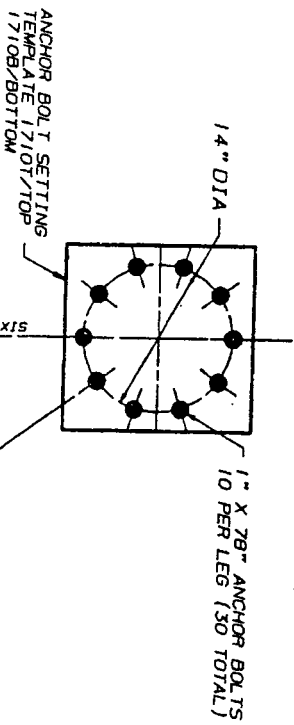
DWG. NO.: A991555

REV.

ID#	M	N	R
ABL101	18' 11 7/8	16' 5 3/8	10' 11 9/16
ABL102	21' 0	18' 2 1/4	12' 1 1/2
ABL103	23' 0	19' 11	13' 3 3/8
ABL104	25' 0	21' 7 13/16	14' 5 3/16
ABL105	8' 11 1/8	7' 8 3/4	5' 1 7/8
ABL106	10' 11 1/8	9' 5 9/16	6' 3 11/16
ABL107	12' 11 1/8	11' 2 5/16	7' 5 9/16
ABL108	15' 2 1/8	13' 1 3/4	8' 9 1/8
ABL109	17' 8 1/8	15' 3 11/16	10' 2 1/2
ABL1010	20' 2 1/8	17' 5 11/16	11' 7 13/16
ABL1011	22' 8 1/8	19' 7 11/16	13' 1 1/8
ABL1012	25' 2 1/8	21' 9 5/8	14' 6 7/16
ABL1013	27' 8 1/8	23' 11 5/8	15' 11 3/4
ABL1014	30' 2 1/8	26' 1 5/8	17' 5 1/16
ABL1015	32' 8 1/8	28' 3 9/16	18' 10 3/8
ABL1016	36' 5 1/8	31' 6 9/16	21' 0 3/8
ABL1017	40' 2 1/8	34' 9 9/16	23' 2 3/8
ABL1018	43' 11 1/8	38' 0 1/2	25' 4 5/16
ABL1019	47' 8 1/8	41' 3 1/2	27' 6 5/16
ABL1020	51' 5 1/8	44' 6 7/16	29' 8 5/16
ABL1021	55' 2 1/8	47' 9 7/16	31' 10 5/16
ABL1022	18' 10 1/4	16' 3 15/16	10' 10 5/8
ABL1023	22' 10 3/8	19' 9 5/8	13' 2 7/16
ABL1024	16' 10 1/4	14' 7 3/16	9' 8 3/4
ABL1025	20' 10 3/8	18' 0 13/16	12' 0 1/2
ABL1026	40' 0 1/2	34' 8 1/8	23' 1 3/8
ABL1027	16' 11 7/8	14' 8 9/16	9' 9 11/16

NOTES

- FOR ANCHOR AND FOUNDATION TOLERANCES REFER TO THE LATEST REVISION OF DMG. NO. ABL10214.
- ALL ANCHOR BOLTS SHALL MEET OR EXCEED REQUIREMENTS OF ASTM A354 GR BC AND ARE HOOKED 180° AT THE BOTTOM.
- WHEN FOUNDATIONS ARE DESIGNED BY OTHERS, IT SHALL BE THE RESPONSIBILITY OF THE PURCHASER'S FOUNDATION ENGINEER TO INSURE THAT THE ANCHORAGES PROVIDED ARE COMPATIBLE WITH THE PROPOSED FOUNDATION DESIGNS AND THAT THE CAPACITIES OF THE ANCHORAGES ARE NOT LIMITED BY THE STRENGTH OF THE FOUNDATIONS.
- FOR ANCHOR BOLT TEMPLATE DETAILS SEE DRAWING B730521.

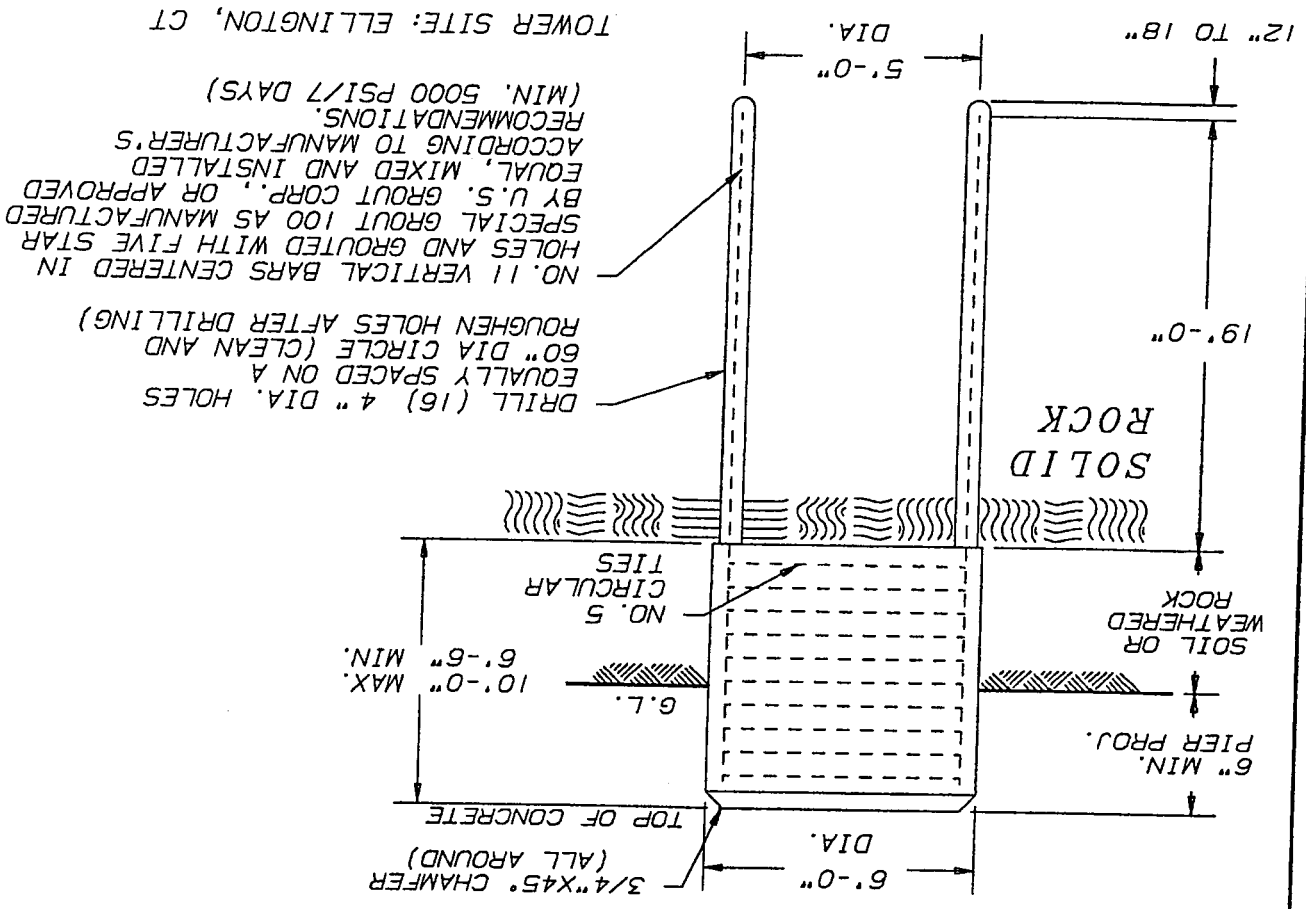


ANCHOR BOLT PROJECTION

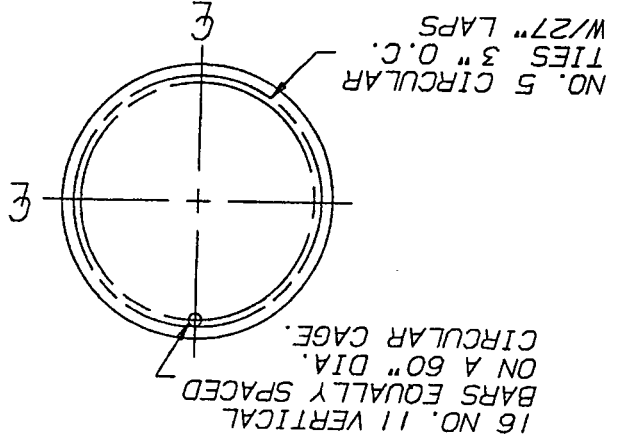
REV	NO	DATE	BY	DESCRIPTION	12/1/88	PJD	3244	75
R2				REVISED NOTE 2	6/8/88	MEB	1001	75
R1				REVISED PLAN VIEW	4/11/88	KTL	1001	75
No. Δ Revision Description					Δ Date	Δ Rev By	Δ Ckr By	Δ App'd By
THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT WRITTEN CONSENT.					ROHN			
Serial	NO	DATE	BY	TITLE				
Drawn	PJB	8/9/88		10 HOLE ANCHOR BOLT LAYOUT				
Checked	KTL	8-11-88						
App. Eng.	TS	8-12-88						
App. Supt.	AE	8-12-88						
DRAWING NO. C880790 R3								

No. Revision Description Date Rev By Ckd By Appd By		THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.		ROHN	
Scale: NONE	By	Date	ROCK FOUNDATION DETAILS FOR NEW ENGLAND SITE MANAGEMENT	ENG. FILE: 42895AE DWG. NO.: A000654-1	Parent File: App. Eng.: XK 4/3/00 Checked: DMG 4/3/00 Drawn: DLB 03/31/00
REV.	SHEET 1 OF 3				

ELEVATION VIEW



TOP VIEW



VOLUME OF CONCRETE

6.8 CU. YDS. FOR 1 PIER (MIN.)
 10.5 CU. YDS. FOR 1 PIER (MAX.)
 TOTAL VOLUME OF CONCRETE DEPENDS
 ON ELEVATION OF SOLID ROCK AND
 GROUND LINE AT EACH TOWER LEG.

REACTIONS/LEG

COMPRESSION = 369.0 KIPS
 TENSION = 332.7 KIPS
 SHEAR = 39.3 KIPS

NOTE:
 SEE TOWER ASSEMBLY DRAWING FOR
 FOUNDATION LAYOUT AND ANCHORAGE
 EMBEDMENT DRAWING NUMBER.