

**NOTICE OF PUBLIC MEETINGS OF SEWARD COUNTY BOARD OF  
COMMISSIONERS AND SEWARD COUNTY BOARD OF EQUALIZATION  
TUESDAY, FEBRUARY 24, 2026**

Notice is hereby given that meetings of the Seward County Board of Commissioners and the Seward County Board of Equalization, if commenced, will be held on Tuesday, February 24, 2026 in the County Board Meeting Room, Room 303 on the 3<sup>rd</sup> Floor of the of the Seward County Courthouse in Seward, Nebraska. The County Board of Equalization meeting will begin at 8:30 a.m. The Board of Commissioners meeting will begin at 9:00 a.m. Both meetings are open to the public. Agendas for such meetings are kept continuously current and are available for public inspection at the office of the County Clerk in the Seward County Courthouse, Seward, Nebraska.

Brandy Johnson, Seward County Clerk

*This is an Open Meeting of the Seward County Commissioners. Seward County abides by the Nebraska Open Meetings Act in conducting business. A copy of the Nebraska Open Meetings Act is displayed on the back wall of this meeting room as required by law. Presenters shall state their name for the Clerk's record and are asked to limit remarks to five minutes. All remarks shall be directed to the Chair who shall determine by whom any appropriate response shall be made. Seward County reserves the right to adjust the order of items on this Agenda if necessary and may elect to take action on any of the items listed.*

Known items on the agenda for Board of Equalization on February 24, 2026 are as follows:

**8:30 a.m.**

1. Convene and announce Open Meetings Law
2. Pledge of Allegiance
3. Discuss/Action - Approve minutes of February 10, 2026
4. Discuss/Action – Assessor Information Update

Known items on the agenda for Board of Commissioners on February 24, 2026 are as follows:

**9:00 a.m.**

1. Convene and announce Open Meetings Law
2. Pledge of Allegiance
3. Discuss/Action - Approve minutes of February 17, 2026
4. Discuss/Action – Claims for the Period Through February 13, 2026

**Other Business Matters to Address When Time Allows**

5. Consent Agenda:
  - a) Sheriff Fee & Mileage Reports for December 2025 - \$1,723.50 and \$1,010.50
  - b) Utility Permit for Baack Farms to Put Electrical Across 378<sup>th</sup> Road, North of Old Mill Road, in the SW ¼ of Section 5, Township 11 North, Range 2 East of the 6<sup>th</sup> p.m.
6. Discuss/Action - Public/Organizations/Officials
7. Commissioner Reports
8. Discuss/Action – Monthly Department Head Update Process

9. Discuss/Action – Executive Session – Potential Litigation
10. Discuss/Action – Agenda for March 3, 2026
- 9:05 a.m.** Discuss/Action – Appoint Megan Eckles as the Emergency Management Director/Zoning Assistant
- 9:15 a.m.** Public Hearing – Proposed 1 & 6 Year Seward County Highway Dept Program
- 9:45 a.m.** Public Hearing – Proposed Reduction in Public Transit Hours of Service
- 10:15 a.m.** Public Hearing – Conditional Use Permit to Upgrade/Modify Equipment to an Existing Wireless Tower in the SW ¼ of Section 23, Township 11 North, Range 4 East of the 6th P.M.
- Discuss/Action – Res – Conditional Use Permit to Upgrade/Modify Equipment to an Existing Wireless Tower in the SW ¼ of Section 23, Township 11 North, Range 4 East of the 6th P.M.
- 10:20 a.m.** Discuss/Action – Executive Session - Personnel

**ABOVE AGENDA IS OPEN UNTIL 24 HOURS PRIOR TO THE MEETING AND IS SUBJECT TO CHANGE TO INCLUDE EMERGENCY ITEMS. THE OFFICIAL AGENDA IS KEPT AT THE SEWARD COUNTY CLERK'S OFFICE. PLEASE CONTACT THEM AT 402-643-2883 FOR ANY QUESTIONS PERTAINING TO THE AGENDA AS LISTED ABOVE.**

**[Seward County Government Home Page](#)**

**Posted 02/23/2026**

Seward  
County Clerk

Seward County Clerk  
P.O. Box 190  
Seward, NE 68434  
Phone 402-643-2883  
Fax 402-643-2228

**February 24, 2026**

I, BRANDY JOHNSON, SEWARD COUNTY CLERK, DO HEREBY CERTIFY THAT THE FOLLOWING AMOUNTS HAVE BEEN ALLOWED BY THE SEWARD COUNTY COMMISSIONERS AND THEY HAVE AUTHORIZED PAYMENT OF SAME FROM THE IMPREST FUND.

THE FOLLOWING AMOUNTS BY FUND ARE CERTIFIED AS NEEDED FOR THE MONTH OF:

			<b>February 24, 2026</b>	
			<b>REG. MTHLY AMT</b>	<b>TOTAL</b>
GENERAL FUND 100			\$273,459.03	\$273,459.03
ROAD FUND 300			\$56,461.60	\$56,461.60
ROAD BUYBACK FUND 650			\$0.00	\$0.00
SPECIAL ROAD FUND 700			\$0.00	\$0.00
DEBT SERVICE FUND - JUSTICE CENTER 90			\$0.00	\$0.00
SINKING FUND 950			\$0.00	\$0.00
VISITORS PROMOTION FUND 990			\$0.00	\$0.00
VISITORS IMPROVEMENT FUND 995			\$0.00	\$0.00
ASSESSOR REAPPRAISAL FUND 1100			\$0.00	\$0.00
REGISTER OF DEEDS FUND 1150			\$0.00	\$0.00
HEALTH CLAIM FUND 1250			\$0.00	\$0.00
VETERANS AID FUND 1900			\$0.00	\$0.00
AGING SERVICE FUND 2250			\$2,524.14	\$2,524.14
DRUG LAW ENFORCE FUND 2360			\$0.00	\$0.00
PROBLEM SOLVING COURT 2390			\$0.00	\$0.00
CO ATTY FED DRUG LAW ENF FUND 2410			\$0.00	\$0.00
CO ATTY TREASURY FUND 2411			\$0.00	\$0.00
SHERIFF FED DRUG LAW ENF FUND 2412			\$0.00	\$0.00
SHERIFF FED DRUG ENFORCE FUND 2414			\$0.00	\$0.00
HOUSE ARREST FUND 2435			\$0.00	\$0.00
ATTORNEY GRANT FUND 2500			\$805.42	\$805.42
EMERGENCY MGR GRANT FUND 2501			\$0.00	\$0.00
E911 GRANT FUND 2502			\$0.00	\$0.00
ROAD GRANT FUND 2503			\$0.00	\$0.00
MISC GRANT FUND 2504			\$0.00	\$0.00
AMERICAN RELIEF FUND 2580			\$0.00	\$0.00
INHERITANCE TAX FUND 2700			\$0.00	\$0.00
E911 FUND 2910			\$28,176.29	\$28,176.29
911 WIRELESS SERVICE 2913			\$0.00	\$0.00
911 WIRELESS SERVICE 2914			\$0.00	\$0.00
COMMISSARY FUND 2965			\$0.00	\$0.00
<b>TOTAL PERSONNEL IMPREST FUND</b>			<b>\$361,426.48</b>	<b>\$361,426.48</b>

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

BRANDY JOHNSON  
SEWARD COUNTY CLERK

(SEAL)

# Seward County Clerk

Seward County Clerk  
P.O. Box 190  
Seward, Nebraska 68434  
Phone 402-643-2883  
Fax 402-643-2228

**February 24, 2026**

I, BRANDY JOHNSON, SEWARD COUNTY CLERK, DO HEREBY CERTIFY THAT THE FOLLOWING AMOUNTS HAVE BEEN ALLOWED BY THE SEWARD COUNTY COMMISSIONERS AND THEY HAVE AUTHORIZED PAYMENT OF SAME FROM THE IMPREST FUND.

THE FOLLOWING AMOUNTS BY FUND ARE CERTIFIED AS NEEDED FOR THE MONTH OF:

**February 24, 2026**

			TRANSFER	REG. MTHLY AMT	TOTAL
GENERAL FUND 100				\$128,148.38	\$128,148.38
ROAD FUND 300				\$103,227.82	\$103,227.82
ROAD BUYBACK FUND 650				\$17,656.00	\$17,656.00
SPECIAL ROAD FUND 700				\$7,675.15	\$7,675.15
DEBT SERVICE FUND - JUSTICE CENTER 900				\$0.00	\$0.00
SINKING FUND 0950				\$22,916.63	\$22,916.63
VISITORS PROMOTION FUND 990				\$72.50	\$72.50
VISITORS IMPROVEMENT FUND 995				\$2,896.61	\$2,896.61
ASSESSOR REAPPRAISAL 1100				\$4,663.75	\$4,663.75
REGISTER OF DEEDS FUND 1150				\$0.00	\$0.00
HEALTH CLAIM FUND 1250				\$120,000.00	\$120,000.00
VETERANS AID FUND 1900				\$0.00	\$0.00
AGING SERVICE FUND 2250				\$0.00	\$0.00
DRUG LAW ENFORCE FUND 2360				\$0.00	\$0.00
PROBLEM SOLVING COURT 2390				\$0.00	\$0.00
CO ATTY FED DRUG LAW ENF FUND 2410				\$0.00	\$0.00
CO ATTY TREASURY FUND 2411				\$0.00	\$0.00
TREASURY FUNDS (SHERIFF DRUG) 2412				\$0.00	\$0.00
JUSTICE FUNDS 2414				\$698.97	\$698.97
HOUSE ARREST FUND 2435				\$62.55	\$62.55
ATTORNEY GRANT FUND 2500				\$0.00	\$0.00
EMERGENCY MGR GRANT FUND 2501				\$201.15	\$201.15
E911 GRANT FUND 2502				\$0.00	\$0.00
ROAD GRANT FUND 2503				\$0.00	\$0.00
MISC GRANT FUND 2504				\$0.00	\$0.00
AMERICAN RELIEF FUND 2580				\$11,950.00	\$11,950.00
INHERITANCE TAX FUND 2700				\$28,529.98	\$28,529.98
E911 FUND 2910				\$1,726.75	\$1,726.75
911 WIRELESS SERVICE 2913				\$0.00	\$0.00
911 WIRELESS SERVICE 2914				\$9,115.00	\$9,115.00
COMMISSARY FUND 2965				\$1,491.73	\$1,491.73
			\$0.00	\$461,032.97	<b>\$461,032.97</b>
<b>TOTAL IMPREST FUND</b>					

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

BRANDY JOHNSON

(SEAL)

**OFFICE OF THE SHERIFF  
SEWARD COUNTY  
Michael G. Vance, Sheriff**

261 South 8<sup>th</sup> Street  
Seward, NE 68434

Phone: (402) 643-2359  
Fax: (402) 643-4852

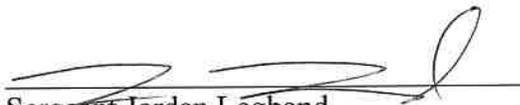
December, 2025  
FEE REPORT (CIVIL & STATE)  
\$ 1732.50

**ORIGINAL**

I hereby certify that the within report of FEES earned by the Sheriff of Seward County, Nebraska for the month, year and dollar amount listed above has turned over to the Treasurer of Seward County, Nebraska.

Dated this 20<sup>th</sup> day of February, 2026

Michael G. Vance  
Seward County Sheriff

  
Sergeant Jordan Legband  
Deputy Sheriff

  
ATTEST  
Notary or Seward County Clerk



By:  
Sergeant Jordan Legband  
Civil Process/Warrants  
Deputy Sheriff

Date Served:	Court & Writ:	Plaintiff	Defendant	Court:	Case #:	State Fee:	Civil Fee:
12/01/2025	Summons	JEFFERSON CAPITAL SYSTEMS LLC	FAITH, RICKY H	COUNTY	CI25-492	\$0.00	\$18.00
12/01/2025	Notice to Quit	SOUTH LAW PC	ROUSH, MATTHEW CLIFTON	COUNTY	CI25-NONE	\$0.00	\$13.50
12/01/2025	Complaint	CI PROPERTIES LLC	KEOUGH, PATRICK K	COUNTY	CI24-1780	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	WEBER, JESSICA L	COUNTY	CI25-494	\$0.00	\$21.00
12/01/2025	Summons	CLEAR RECOVERY, INC	HAYNES, RUSSELL J	COUNTY	CI25-500	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	WILSON, AMY DIANE	COUNTY	CI25-499	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	WISMER, GARRY A	COUNTY	CI25-498	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	LAMBERT, BRANDON MATTHEW	COUNTY	CI25-496	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	PORTER, CLARK DANIEL	COUNTY	CI25-508	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	CAMEY, VERONICA GIZELLE	COUNTY	CI25-506	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	WHISLER, STEPHANIE	COUNTY	CI25-505	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	BAXA, JANET	COUNTY	CI25-509	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	MILLER, LUCAS	COUNTY	CI25-493	\$0.00	\$21.00
12/01/2025	Summons	CLEAR RECOVERY, INC	EHLERS, ROBERT GREGORY	COUNTY	CI25-495	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	DEAN, CODY A	COUNTY	CI25-510	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	MEREDITH GROPP, JACQUELINE ELIZABETH	COUNTY	CI25-507	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	FIALA, KARISSA M	COUNTY	CI25-497	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	ROTH, JONATHAN W	COUNTY	CI25-502	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	PETHOUD, BRIAN J	COUNTY	CI25-501	\$0.00	\$18.00
12/01/2025	Summons	CLEAR RECOVERY, INC	PERCIVAL, RACHEL ELIZABETH	COUNTY	CI25-504	\$0.00	\$18.00
12/01/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	WILKINS, DAVID A	COUNTY	CI25-484	\$0.00	\$21.00
12/01/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	REDFIELD, ANDREW ROBERT	COUNTY	CI25-481	\$0.00	\$18.00
12/01/2025	Order	CREDIT MANAGEMENT SERVICES, INC.	DANNER, SHAUN MICHAEL	COUNTY	CI17-8385	\$0.00	\$18.00
12/01/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	DUTKANICZ, NICOLE C	COUNTY	CI25-483	\$0.00	\$18.00
12/01/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	ESTLE, CARA J	COUNTY	CI13-9279	\$0.00	\$21.00
12/01/2025	Summons	COLLECTION ASSOCIATES	FISHER, DAVID LARRY	COUNTY	CI25-488	\$0.00	\$18.00
12/01/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	VANDERSLICE, MEGAN J	COUNTY	CI25-480	\$0.00	\$18.00
12/01/2025	Sentence & Judgement	STATE OF NEBRASKA	FORD, TRAVIS RANDALL	DISTRICT	CR23-87	\$18.00	\$0.00
12/01/2025	Sentence & Judgement	STATE OF NEBRASKA	SORCE, DANIEL	DISTRICT	CR22-35	\$18.00	\$0.00
12/01/2025	Summons	VELOCITY INVESTMENTS LLC	KEMPF, ROBERT R, JR	COUNTY	CI25-489	\$0.00	\$18.00
12/01/2025	Summons	COUNTY, LANCASTER	WRIGHT, DESARAE N	DISTRICT	CI25-4053	\$0.00	\$18.00
12/01/2025	Subpoena	STATE OF NEBRASKA/SEWARD COUNTY	RIEGER, WENDY MARIE	COUNTY	CR25-266	\$18.00	\$0.00
12/01/2025	Summons	STATE OF NEBRASKA	GOMEZ GARCIA, JORGE ERNESTO	DISTRICT	CR25-97	\$18.00	\$0.00
12/03/2025	Summons	COBALT CREDIT UNION	PEKAREK, DAVID L, JR	COUNTY	CI25-491	\$0.00	\$18.00
12/03/2025	Summons	CAPITAL ONE BANK (USA), N.A.	CEJKA, MICHAEL	COUNTY	CI25-487	\$0.00	\$18.00
12/03/2025	Summons	STATE/ LANCASTER CO	WILLIAMS, DILLON JOEL	DISTRICT	CI25-4054	\$0.00	\$18.00
12/04/2025	Summons	CLEAR RECOVERY, INC	CALWAY, TYLER	COUNTY	CI25-514	\$0.00	\$6.00
12/04/2025	Summons	COLLECTION ASSOCIATES	ELLINGER, DANIEL CARL	COUNTY	CI25-14249	\$0.00	\$18.00
12/04/2025	Summons	CLEAR RECOVERY, INC	JONES, BIANCA ROSE	COUNTY	CI25-516	\$0.00	\$18.00
12/04/2025	Subpoena	STATE OF NEBRASKA/SEWARD COUNTY	RIEGER, WENDY MARIE	COUNTY	CR25-266	\$18.00	\$0.00
12/04/2025	Subpoena	STATE OF NEBRASKA/SEWARD COUNTY	RIEGER, WENDY MARIE	COUNTY	CR25-266	\$18.00	\$0.00

12/04/2025	Summons	STATE OF NEBRASKA/SEWARD COUNTY	ESTLE, TAYLOR K	COUNTY	JV25-36	\$30.00	\$0.00
12/04/2025	Subpoena	STATE/ LANCASTER CO	IRONCLOUD, LAYLANI	COUNTY	JV24-321	\$0.00	\$18.00
12/05/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	ARIAS NAJARRO, LUIS ALBERTO	COUNTY	CI25-490	\$0.00	\$18.00
12/05/2025	Summons	COLLECTION ASSOCIATES	WRIGHT, ANGELA	COUNTY	CI25-517	\$0.00	\$18.00
12/05/2025	Summons	CLEAR RECOVERY, INC	DODDS, CHAD LOUIS	COUNTY	CI25-515	\$0.00	\$18.00
12/05/2025	Subpoena	THOMAS, VON KEVIN, JR	SORENSEN, DAISHA LOUISE LUMBYE	DISTRICT	CI23-89	\$0.00	\$18.00
12/05/2025	Subpoena	THOMAS, VON KEVIN, JR	SORENSEN, DAISHA LOUISE LUMBYE	DISTRICT	CI23-89	\$0.00	\$18.00
12/06/2025	Summons	CLEAR RECOVERY, INC	REDFIELD, ABBY L	COUNTY	CI25-519	\$0.00	\$18.00
12/06/2025	Summons	VELOCITY INVESTMENTS LLC	MOHR, ALYSSA KRISTINA	COUNTY	CI25-518	\$0.00	\$18.00
12/06/2025	Summons	CLEAR RECOVERY, INC	PILFORD, ZACHARY JORDAN	COUNTY	CI25-513	\$0.00	\$18.00
12/10/2025	Bench Warrant	STATE OF NEBRASKA/SEWARD COUNTY	POTTER, TERRI LYNN	COUNTY	CR25-313	\$8.00	\$0.00
12/11/2025	Summons	MIDLAND CREDIT MANAGEMENT	COVERT, ANNETTE	COUNTY	CI25-528	\$0.00	\$18.00
12/12/2025	Summons	BUNDY, DUSTIN EUGENE	BUNDY, CACI RENEE	DISTRICT	CI25-144	\$0.00	\$18.00
12/12/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	BRUNCKHORST, SUSAN K	COUNTY	CI25-534	\$0.00	\$18.00
12/12/2025	Summons	LVNV FUNDING LLC	MARR, FRANKLIN KIRK	COUNTY	CI25-530	\$0.00	\$18.00
12/12/2025	Order	CREDIT MANAGEMENT SERVICES, INC.	WALLER, AUSTIN JAMES CASTILLO	COUNTY	CI18-125	\$0.00	\$18.00
12/12/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	FREEMAN, ROBERT N	COUNTY	CI25-526	\$0.00	\$21.00
12/12/2025	Summons	JIROVSKY, MARK EDWARD	JIROVSKY, ALICIA K	DISTRICT	CI25-142	\$0.00	\$18.00
12/12/2025	Summons	FIRST NATIONAL BANK OF OMAHA	NOTTINGHAM, DANA KIRK	COUNTY	CI25-472	\$0.00	\$6.00
12/12/2025	Summons	CREDIT ACCEPTANCE CORPORATION	STECKLY, SHANNA LYNN	COUNTY	CI25-326	\$0.00	\$6.00
12/12/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	CASTRO PATRICIO, GALDINO	COUNTY	CI25-438	\$0.00	\$6.00
12/12/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	SISTEK, AMY MICHELLE	COUNTY	CI25-525	\$0.00	\$18.00
12/12/2025	Order	CREDIT MANAGEMENT SERVICES, INC.	FOSTER, CHRISTY	COUNTY	CI07-741	\$0.00	\$6.00
12/12/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	STOKI, JIM D	COUNTY	CI25-13347	\$0.00	\$18.00
12/12/2025	Summons	STATE/ LANCASTER CO	HOKE, BRENDAN MICHAEL	DISTRICT	CI25-1357	\$0.00	\$6.00
12/12/2025	Summons	CLEAR RECOVERY, INC	WISE, CHRYSAL	COUNTY	CI25-503	\$0.00	\$6.00
12/12/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	FULLER, TYREK K	COUNTY	CI25-511	\$0.00	\$6.00
12/12/2025	Subpoena	STATE OF NEBRASKA/SEWARD COUNTY	RIEGER, WENDY MARIE	COUNTY	CR25-266	\$6.00	\$0.00
12/12/2025	Subpoena	STATE OF NEBRASKA/SEWARD COUNTY	RIEGER, WENDY MARIE	COUNTY	CR25-266	\$6.00	\$0.00
12/12/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	GEILER, COLBY L	COUNTY	CI25-446	\$0.00	\$6.00
12/13/2025	Summons	GENERAL COLLECTION CO	SCHOEPF, JEFFREY J	COUNTY	CI25-521	\$0.00	\$21.00
12/13/2025	Summons	YORK GENERAL HEALTH CARE SERVICES	STRUNK, CODY DOUGLAS	COUNTY	CI25-571	\$0.00	\$21.00
12/13/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	DONAHOO, TOMICA	COUNTY	CI25-535	\$0.00	\$18.00
12/15/2025	Summons	CREDIT BUREAU SERVICES INC	MCGRAW, APRIL M	COUNTY	CI25-527	\$0.00	\$18.00
12/15/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	SCHMUTTE, KAYLEE A	COUNTY	CI25-14939	\$0.00	\$18.00
12/15/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	MOBLEY, JOSHUA LEON	COUNTY	CI25-540	\$0.00	\$18.00
12/15/2025	Subpoena	STATE OF NEBRASKA/SEWARD COUNTY	SUNDAY, COURTNEY KAY	COUNTY	TR25-514	\$18.00	\$0.00
12/15/2025	Sentence & Judgement	STATE OF NEBRASKA/SEWARD COUNTY	WILLIAMS, JUSTIN LEWIS	DISTRICT	CR25-52	\$18.00	\$0.00
12/16/2025	Order	KOCH, ROBERT A	PORTER, LISA ANN	DISTRICT	CI25-60	\$0.00	\$18.00
12/17/2025	Summons	MENCL, DUSTANA LYNN	MENCL, ELLIOTT MICHAEL	DISTRICT	CI25-147	\$0.00	\$18.00
12/17/2025	Small Claims	MCCORD FISHER, KIMBERLY S	WALLER, TRYSTAN AARON MICHAEL	COUNTY	SC25-13	\$0.00	\$18.00
12/17/2025	Summons	NATIONAL ACCOUNT SYSTEMS OF OMAHA	JOHNSON, JESSICA	COUNTY	CI25-544	\$0.00	\$6.00

12/18/2025	Subpoena	STATE OF NEBRASKA/SEWARD COUNTY	AL HAMAWENDI, TAREQ SALAM	COUNTY	CR25-227	\$18.00	\$0.00
12/18/2025	Citation Lieu Arrest	STATE OF NEBRASKA/SEWARD COUNTY	JINRIGHT, BRIN ELIZABETH	COUNTY	CR25-395	\$18.00	\$0.00
12/18/2025	Summons	CLEAR RECOVERY, INC	NOLAN, ALLASHA CHASTINE	COUNTY	CI25-546	\$0.00	\$18.00
12/18/2025	Summons	LVNV FUNDING LLC	PEPTIS, ANNA M	COUNTY	CI25-533	\$0.00	\$18.00
12/18/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	WEINMASTER, ASHLEY NICOLE	COUNTY	CI25-547	\$0.00	\$18.00
12/18/2025	Subpoena	STATE OF NEBRASKA/SEWARD COUNTY	AL HAMAWENDI, TAREQ SALAM	COUNTY	CR25-227	\$18.00	\$0.00
12/18/2025	Summons	MIDLAND CREDIT MANAGEMENT, INC	ANDERSON, AMY JO	COUNTY	CI25-543	\$0.00	\$18.00
12/18/2025	Summons	HAUGE ASSOCIATES INC	BORREGO, THOMAS DAVID	COUNTY	CI25-537	\$0.00	\$18.00
12/22/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	WILLIAMS, HEIDI J	COUNTY	CI25-551	\$0.00	\$18.00
12/22/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	WILLIAMS, HEIDI J	COUNTY	CI25-536	\$0.00	\$18.00
12/22/2025	Summons	COUNTY, LANCASTER	BAKER, BUKLEY A	DISTRICT	JV25-939	\$0.00	\$6.00
12/22/2025	Notice	STATE OF NEBRASKA/SEWARD COUNTY	BLACK SPOTTED HORSE, LYDELL RAYMOND	DISTRICT	CI25-139	\$0.00	\$18.00
12/22/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	WELANDER, NICHOLAS D	COUNTY	CI25-523	\$0.00	\$6.00
12/22/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	DOUTHIT, GARY MICHAEL	COUNTY	CI25-531	\$0.00	\$18.00
12/23/2025	Arrest Warrant	STATE OF NEBRASKA	ANDERSON, AARON ALAN	DISTRICT	CR23-40	\$8.00	\$0.00
12/23/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	MEISINGER, TRAVIS SCOTT LOW	COUNTY	CI25-552	\$0.00	\$21.00
12/23/2025	Summons	AR SOLUTIONS INC	ROWBAL, CHAD R	COUNTY	CI25-15452	\$0.00	\$21.00
12/28/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	MCCREE, JONATHAN DAVID	COUNTY	CI25-541	\$0.00	\$18.00
12/28/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	JOHNSON, TOVA PHILYAW	COUNTY	CI25-545	\$0.00	\$18.00
12/30/2025	Summons	STATE/ LANCASTER CO	HICKS, KENNETH LEE	COUNTY	JV25-430	\$0.00	\$6.00
12/30/2025	Arrest Warrant	STATE OF NEBRASKA/SEWARD COUNTY	BALDWIN, AUSTIN JAMES	COUNTY	CR24-397	\$8.00	\$0.00
12/30/2025	Summons	CREDIT BUREAU SERVICES INC	HAITH, RODNEY G	COUNTY	CI25-286	\$0.00	\$6.00
12/31/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	WILSON, NICOLE O	COUNTY	CI25-539	\$0.00	\$6.00
12/31/2025	Summons	LVNV FUNDING LLC	CATES, JOEL LESTER, JR	COUNTY	CI25-532	\$0.00	\$6.00
12/31/2025	Summons	LVNV FUNDING LLC	ODEN, ASHLEY	COUNTY	CI25-553	\$0.00	\$6.00
12/31/2025	Summons	LVNV FUNDING LLC	SIMON, JUSTIN	COUNTY	CI25-465	\$0.00	\$6.00
12/31/2025	Summons	GENERAL COLLECTION COMPANY INC.	GARTON CARPET AND FLOOR CLEANING	COUNTY	CI25-520	\$0.00	\$6.00

**Total Records: 110**

**Total: \$1,732.50**

**\$264.00**

**\$1,468.50**

**OFFICE OF THE SHERIFF  
SEWARD COUNTY  
Michael G. Vance, Sheriff**

261 South 8<sup>th</sup> Street  
Seward, NE 68434

Phone: (402) 643-2359  
Fax: (402) 643-4852

December, 2025  
CIVIL MILEAGE FEE REPORT  
\$ 1010.50

**ORIGINAL**

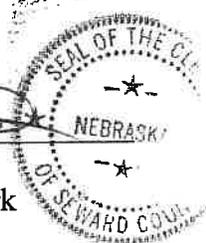
I hereby certify that the within report of MILEAGE FEES earned by the Sheriff of Seward County, Nebraska, for the month, year and dollar amount listed above has turned over to the Treasurer of Seward County, Nebraska.

Dated this 20<sup>th</sup> day of February, 2026

Michael G. Vance  
Seward County Sheriff

  
Sergeant Jordan Legband  
Deputy Sheriff

  
ATTEST  
Notary or Seward County Clerk



By:  
Sergeant Jordan Legband  
Civil Process/Warrants  
Deputy Sheriff

Date Served:	Court & Writ:	Plaintiff	Defendant	Court:	Case #:	Civil Mileage:
12/01/2025	Summons	JEFFERSON CAPITAL SYSTEMS LLC	FAITH, RICKY H	COUNTY	CI25-492	\$18.20
12/01/2025	Notice to Quit	SOUTH LAW PC	ROUSH, MATTHEW CLIFTON	COUNTY	CI25-NONE	\$0.50
12/01/2025	Complaint	CI PROPERTIES LLC	KEOUGH, PATRICK K	COUNTY	CI24-1780	\$3.00
12/01/2025	Summons	CLEAR RECOVERY, INC	WEBER, JESSICA L	COUNTY	CI25-494	\$28.00
12/01/2025	Summons	CLEAR RECOVERY, INC	HAYNES, RUSSELL J	COUNTY	CI25-500	\$0.50
12/01/2025	Summons	CLEAR RECOVERY, INC	WILSON, AMY DIANE	COUNTY	CI25-499	\$0.50
12/01/2025	Summons	CLEAR RECOVERY, INC	WISMER, GARRY A	COUNTY	CI25-498	\$0.50
12/01/2025	Summons	CLEAR RECOVERY, INC	LAMBERT, BRANDON MATTHEW	COUNTY	CI25-496	\$0.50
12/01/2025	Summons	CLEAR RECOVERY, INC	PORTER, CLARK DANIEL	COUNTY	CI25-508	\$0.50
12/01/2025	Summons	CLEAR RECOVERY, INC	CAMEY, VERONICA GIZELLE	COUNTY	CI25-506	\$0.50
12/01/2025	Summons	CLEAR RECOVERY, INC	WHISLER, STEPHANIE	COUNTY	CI25-505	\$0.50
12/01/2025	Summons	CLEAR RECOVERY, INC	BAXA, JANET	COUNTY	CI25-509	\$0.50
12/01/2025	Summons	CLEAR RECOVERY, INC	MILLER, LUCAS	COUNTY	CI25-493	\$0.50
12/01/2025	Summons	CLEAR RECOVERY, INC	EHLERS, ROBERT GREGORY	COUNTY	CI25-495	\$0.50
12/01/2025	Summons	CLEAR RECOVERY, INC	DEAN, CODY A	COUNTY	CI25-510	\$1.00
12/01/2025	Summons	CLEAR RECOVERY, INC	MEREDITH GROPP, JACQUELINE ELIZABETH	COUNTY	CI25-507	\$18.20
12/01/2025	Summons	CLEAR RECOVERY, INC	FIALA, KARISSA M	COUNTY	CI25-497	\$12.60
12/01/2025	Summons	CLEAR RECOVERY, INC	ROTH, JONATHAN W	COUNTY	CI25-502	\$18.20
12/01/2025	Summons	CLEAR RECOVERY, INC	PETHOUD, BRIAN J	COUNTY	CI25-501	\$28.00
12/01/2025	Summons	CLEAR RECOVERY, INC	PERCIVAL, RACHEL ELIZABETH	COUNTY	CI25-504	\$28.00
12/01/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	WILKINS, DAVID A	COUNTY	CI25-484	\$18.20
12/01/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	REDFIELD, ANDREW ROBERT	COUNTY	CI25-481	\$42.00
12/01/2025	Order	CREDIT MANAGEMENT SERVICES, INC.	DANNER, SHAUN MICHAEL	COUNTY	CI17-8385	\$0.50
12/01/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	DUTKANICZ, NICOLE C	COUNTY	CI25-483	\$0.50
12/01/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	ESTLE, CARA J	COUNTY	CI13-9279	\$28.00
12/01/2025	Summons	COLLECTION ASSOCIATES	FISHER, DAVID LARRY	COUNTY	CI25-488	\$14.00
12/01/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	VANDERSLICE, MEGAN J	COUNTY	CI25-480	\$14.00
12/01/2025	Summons	VELOCITY INVESTMENTS LLC	KEMPF, ROBERT R, JR	COUNTY	CI25-489	\$0.50
12/01/2025	Summons	COUNTY, LANCASTER	WRIGHT, DESARAE N	DISTRICT	CI25-4053	\$2.80
12/03/2025	Summons	COBALT CREDIT UNION	PEKAREK, DAVID L, JR	COUNTY	CI25-491	\$5.60
12/03/2025	Summons	CAPITAL ONE BANK (USA), N.A.	CEJKA, MICHAEL	COUNTY	CI25-487	\$23.80
12/03/2025	Summons	STATE/ LANCASTER CO	WILLIAMS, DILLON JOEL	DISTRICT	CI25-4054	\$47.60
12/04/2025	Summons	CLEAR RECOVERY, INC	CALWAY, TYLER	COUNTY	CI25-514	\$0.50
12/04/2025	Summons	COLLECTION ASSOCIATES	ELLINGER, DANIEL CARL	COUNTY	CI25-14249	\$1.00
12/04/2025	Summons	CLEAR RECOVERY, INC	JONES, BIANCA ROSE	COUNTY	CI25-516	\$0.50
12/04/2025	Subpoena	STATE/ LANCASTER CO	IRONCLOUD, LAYLANI	COUNTY	JV24-321	\$11.20
12/05/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	ARIAS NAJARRO, LUIS ALBERTO	COUNTY	CI25-490	\$3.00
12/05/2025	Summons	COLLECTION ASSOCIATES	WRIGHT, ANGELA	COUNTY	CI25-517	\$32.00
12/05/2025	Summons	CLEAR RECOVERY, INC	DODDS, CHAD LOUIS	COUNTY	CI25-515	\$4.20
12/05/2025	Subpoena	THOMAS, VON KEVIN, JR	SORENSEN, DAISHA LOUISE LUMBYE	DISTRICT	CI23-89	\$12.60
12/05/2025	Subpoena	THOMAS, VON KEVIN, JR	SORENSEN, DAISHA LOUISE LUMBYE	DISTRICT	CI23-89	\$0.50

12/06/2025	Summons	CLEAR RECOVERY, INC	REDFIELD, ABBY L	COUNTY	CI25-519	\$1.50
12/06/2025	Summons	VELOCITY INVESTMENTS LLC	MOHR, ALYSSA KRISTINA	COUNTY	CI25-518	\$32.00
12/06/2025	Summons	CLEAR RECOVERY, INC	PILFORD, ZACHARY JORDAN	COUNTY	CI25-513	\$2.00
12/11/2025	Summons	MIDLAND CREDIT MANAGEMENT	COVERT, ANNETTE	COUNTY	CI25-528	\$0.50
12/12/2025	Summons	BUNDY, DUSTIN EUGENE	BUNDY, CACI RENEE	DISTRICT	CI25-144	\$0.50
12/12/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	BRUNCKHORST, SUSAN K	COUNTY	CI25-534	\$0.50
12/12/2025	Summons	LVNV FUNDING LLC	MARR, FRANKLIN KIRK	COUNTY	CI25-530	\$12.60
12/12/2025	Order	CREDIT MANAGEMENT SERVICES, INC.	WALLER, AUSTIN JAMES CASTILLO	COUNTY	CI18-125	\$1.40
12/12/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	FREEMAN, ROBERT N	COUNTY	CI25-526	\$0.50
12/12/2025	Summons	JIROVSKY, MARK EDWARD	JIROVSKY, ALICIA K	DISTRICT	CI25-142	\$28.00
12/12/2025	Summons	FIRST NATIONAL BANK OF OMAHA	NOTTINGHAM, DANA KIRK	COUNTY	CI25-472	\$0.50
12/12/2025	Summons	CREDIT ACCEPTANCE CORPORATION	STECKLY, SHANNA LYNN	COUNTY	CI25-326	\$1.00
12/12/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	CASTRO PATRICIO, GALDINO	COUNTY	CI25-438	\$0.50
12/12/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	SISTEK, AMY MICHELLE	COUNTY	CI25-525	\$1.50
12/12/2025	Order	CREDIT MANAGEMENT SERVICES, INC.	FOSTER, CHRISTY	COUNTY	CI07-741	\$0.50
12/12/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	STOKI, JIM D	COUNTY	CI25-13347	\$0.50
12/12/2025	Summons	STATE/ LANCASTER CO	HOKE, BRENDAN MICHAEL	DISTRICT	CI25-1357	\$1.00
12/12/2025	Summons	CLEAR RECOVERY, INC	WISE, CHRYSAL	COUNTY	CI25-503	\$18.20
12/12/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	FULLER, TYREK K	COUNTY	CI25-511	\$2.00
12/12/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	GEILER, COLBY L	COUNTY	CI25-446	\$0.50
12/13/2025	Summons	GENERAL COLLECTION CO	SCHOEPF, JEFFREY J	COUNTY	CI25-521	\$16.80
12/13/2025	Summons	YORK GENERAL HEALTH CARE SERVICES	STRUNK, CODY DOUGLAS	COUNTY	CI25-571	\$18.20
12/13/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	DONAHOO, TOMICA	COUNTY	CI25-535	\$28.00
12/15/2025	Summons	CREDIT BUREAU SERVICES INC	MCGRAW, APRIL M	COUNTY	CI25-527	\$32.00
12/15/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	SCHMUTTE, KAYLEE A	COUNTY	CI25-14939	\$0.50
12/15/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	MOBLEY, JOSHUA LEON	COUNTY	CI25-540	\$0.50
12/16/2025	Order	KOCH, ROBERT A	PORTER, LISA ANN	DISTRICT	CI25-60	\$1.50
12/17/2025	Summons	MENCL, DUSTANA LYNN	MENCL, ELLIOTT MICHAEL	DISTRICT	CI25-147	\$0.50
12/17/2025	Small Claims	MCCORD FISHER, KIMBERLY S	WALLER, TRYSTAN AARON MICHAEL	COUNTY	SC25-13	\$1.40
12/17/2025	Summons	NATIONAL ACCOUNT SYSTEMS OF OMAHA	JOHNSON, JESSICA	COUNTY	CI25-544	\$0.50
12/18/2025	Summons	CLEAR RECOVERY, INC	NOLAN, ALLASHA CHASTINE	COUNTY	CI25-546	\$0.50
12/18/2025	Summons	LVNV FUNDING LLC	PEPTIS, ANNA M	COUNTY	CI25-533	\$32.00
12/18/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	WEINMASTER, ASHLEY NICOLE	COUNTY	CI25-547	\$25.20
12/18/2025	Summons	MIDLAND CREDIT MANAGEMENT, INC	ANDERSON, AMY JO	COUNTY	CI25-543	\$18.20
12/18/2025	Summons	HAUGE ASSOCIATES INC	BORREGO, THOMAS DAVID	COUNTY	CI25-537	\$18.20
12/22/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	WILLIAMS, HEIDI J	COUNTY	CI25-551	\$23.80
12/22/2025	Summons	PORTFOLIO RECOVERY ASSOCIATES	WILLIAMS, HEIDI J	COUNTY	CI25-536	\$32.00
12/22/2025	Summons	COUNTY, LANCASTER	BAKER, BUKLEY A	DISTRICT	JV25-939	\$0.50
12/22/2025	Notice	STATE OF NEBRASKA/SEWARD COUNTY	BLACK SPOTTED HORSE, LYDELL RAYMOND	DISTRICT	CI25-139	\$0.50
12/22/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	WELANDER, NICHOLAS D	COUNTY	CI25-523	\$18.20
12/22/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	DOUTHIT, GARY MICHAEL	COUNTY	CI25-531	\$1.50
12/23/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	MEISINGER, TRAVIS SCOTT LOW	COUNTY	CI25-552	\$18.20

12/23/2025	Summons	AR SOLUTIONS INC	ROWBAL, CHAD R	COUNTY	CI25-15452	\$28.00
12/28/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	MCREE, JONATHAN DAVID	COUNTY	CI25-541	\$32.00
12/28/2025	Summons	CREDIT MANAGEMENT SERVICES, INC.	JOHNSON, TOVA PHILYAW	COUNTY	CI25-545	\$32.00
12/30/2025	Summons	STATE/ LANCASTER CO	HICKS, KENNETH LEE	COUNTY	JV25-430	\$0.50
12/30/2025	Summons	CREDIT BUREAU SERVICES INC	HAITH, RODNEY G	COUNTY	CI25-286	\$0.50
12/31/2025	Summons	PROFESSIONAL CHOICE RECOVERY, INC	WILSON, NICOLE O	COUNTY	CI25-539	\$36.40
12/31/2025	Summons	LVNV FUNDING LLC	CATES, JOEL LESTER, JR	COUNTY	CI25-532	\$18.20
12/31/2025	Summons	LVNV FUNDING LLC	ODEN, ASHLEY	COUNTY	CI25-553	\$18.20
12/31/2025	Summons	LVNV FUNDING LLC	SIMON, JUSTIN	COUNTY	CI25-465	\$18.20
12/31/2025	Summons	GENERAL COLLECTION COMPANY INC.	GARTON CARPET AND FLOOR CLEANING	COUNTY	CI25-520	\$8.40
<b>Total Records: 93</b>						<b>\$1,010.50</b>

UTILITY PERMIT NO. \_\_\_\_\_

**SEWARD COUNTY DEPARTMENT OF ROADS**

**Permit to Construct Utilities  
on County Right-of-Way**

DATE: 2-17-2026

APPLICANT NAME (PRINT): Boack Farms PHONE: 643-0419

COMPANY NAME: Ulch Elect Const INC

ADDRESS: Box 37 Cochner, Ne. 68364

SIGNATURE: [Signature]

Signature acknowledges receipt of and agreement to "Appendix A: 'Utility Permit Requirements' and Appendix B: 'Insurance and Indemnification Requirements'".

Appendices A and B are attached and incorporated herewith, along with any other required attachments.

To construct a utility or utilities on County right-of-way as follows:

LEGAL DESCRIPTION: 711 R2 sec. 5 SW Qtr  
378' N of Old Mill 270'

**TYPE OF UTILITY TO BE CONSTRUCTED:**

Telecommunications \_\_\_\_\_ Fiber Optic \_\_\_\_\_ Non Fiber Optic \_\_\_\_\_

Water or Irrigation \_\_\_\_\_ Pipe Size and Type \_\_\_\_\_

Sewer \_\_\_\_\_ Pipe Size and Type \_\_\_\_\_

Electric X \_\_\_\_\_ Voltage \_\_\_\_\_

Natural Gas \_\_\_\_\_ Pipe Size and Type \_\_\_\_\_

Other \_\_\_\_\_

**PROPOSED METHOD OF INSTALLATION:**

Open Trench \_\_\_\_\_ Width \_\_\_\_\_ Depth \_\_\_\_\_

Continuous Bore X Size 4" Depth 8'

Encasement Pipe \_\_\_\_\_ Size \_\_\_\_\_ Type \_\_\_\_\_

Plowing \_\_\_\_\_ Length \_\_\_\_\_ Depth \_\_\_\_\_

Power Poles \_\_\_\_\_

NAME, ADDRESS and PHONE NUMBER OF CONTRACTOR PERFORMING THE WORK

2577 Ost Rd, Millard NE 68405  
(402) 641-1404 Stuteman Digging

## UTILITY PERMIT REQUIREMENTS

- 1) The applicant shall furnish the Seward County Road Department 320 S. 14<sup>th</sup> St., Seward, NE 68434 with a Certificate of Insurance in accordance with the insurance requirements, "Appendix "B", contained in this permit prior to permit approval.
- 2) The applicant, or his contractor, shall contact the One Call Notification Center/Diggers Hotline and request location of any buried utilities. Damage to any utilities, either on County right-of-way or adjacent to County right-of-way, shall be repaired at the expense of the applicant or their contractor. Seward County is not responsible for utilities in public right-of-way that are not registered with One Call Notification Center/Diggers Hotline.
- 3) Areas disturbed by construction shall be restored to pre-construction condition as much as practical. This includes, but is not limited to, compaction of the backfill to a density equal to or greater than the surrounding soil, replacing road and driveway surfacing materials lost during construction, and seeding of the disturbed areas. Weed control of the disturbed areas is the responsibility of applicant and shall be controlled until permanent grass seed is established.
- 4) Pipe under road shall be one piece with all fittings located outside road surface edge. All pipe and encasements to conform with the current State of Nebraska Policy for Accommodating Utilities on State Highway Right-of-Way and State of Nebraska Standard Specifications for Highway Construction.
- 5) Paved road crossings shall be dry bored.
- 6) BORING - All lines up to and including 6 inches in diameter may be bored under the road so as not to disturb road surface. A \$50 permit fee shall be paid to Seward County. Bore pits must be filled and compacted equal to pre-construction condition. All lines going under a hard surfaced roadway, regardless of size, shall be bored under the road. Lines 6 inches and smaller may be installed via open trench but the open trench rules and fees must be followed.
- 7) PLOWING – Utilities pulling cable parallel with county road shall pay a \$100 permit fee to Seward County Department of Roads. Installation shall be made a minimum 5 feet inside the edge of either side of the dirt, gravel or rock road and a minimum 3 feet in depth. Installation other than aforementioned shall be approved by the county. Cable shall be bored or pushed under culverts or other drainage structures. Any underground utility facility that crosses a drainage course within the county right-of-way must be installed a minimum four feet below the flow line of the drainage structure or drainage course. If there is a difference in the elevation between the flow line of the drainage structure and the drainage course, the lowest elevation shall be used. Cable may be attached to bridges if placed inside approved encasement and with written permission of the county. Bridge attachment schematic and written permission by the county must be attached to this permit. Indicator tape of warning color shall be buried at a depth of 18" to 24" deep above the location of underground utility installation.
- 8) OPEN TRENCH - All lines larger than 6 inches in diameter may be trenched across dirt, gravel and rock roads but must be bored under hard surfaced roads. A \$150 permit fee will be paid to Seward County. Lines larger than 6 inches may be bored with the same fee as the boring permit fee. All trenches shall be backfilled the same day trench was excavated except for the portion where the work is to be continued the next day. The portion left open for work continuation shall be protected by Type III barricades with flashing lights at night, reference the current edition of the MUTCD.
- 9) HORIZONTAL CLEARANCE FOR GROUND-MOUNTED FACILITIES – Power poles, anchors, hydrants or any other above ground facility shall be located as close to the right-of-way line as possible. Manholes shall not protrude above the surrounding ground. Under NO circumstances may anchors be installed within roadway horizontal clear zone. All cable anchors shall be delineated with yellow, high-intensity, retroreflective tape on a plastic type sleeve installed on cable anchor.

UTILITY PERMIT REQUIREMENTS

- 10) Applicant is responsible for the completion of their work, restoration of the road surface and public right-of-way to pre-construction condition and for maintenance to the public right-of-way for damages associated with utility installation as long as utility remains in public right-of-way.
- 11) Roads may be closed for a maximum of 24 hours. Emergency services, i.e. fire department, ambulance, sheriff's office, etc. must be notified at least 48 hours prior to road closure as to location, length of closure, and any other pertinent information.
- 12) Seward County reserves the right to inspect barricades and construction procedures and request modifications as necessary to maintain safe passage of traffic. All barricading, flagging, warning signs, etc. shall conform to the most current adopted edition of the Manual on Uniform Traffic Control Devices. A signing plan shall accompany this permit and must be approved by the county prior to permit approval.
- 13) Applicant agrees to and accepts by its signature the terms of the attached Insurance and Indemnification Requirements.
- 14) If applicant does not restore road to pre-construction, or does so and settling or other problems arise, the Seward County Road Department will contact the applicant and the applicant shall remedy any deficiency within the time determined by the Seward County Highway Superintendent or their designee. If the applicant does not cure any such deficiency within the time determined by the Seward County Highway Superintendent or their designee to the reasonable satisfaction of the Seward County Department of Roads, or does not promptly respond when notified by the Seward County Department of Roads, then the Seward County Department of Roads shall perform the repair work reasonable and necessary to effect such cure and bill the applicant for expenses incurred. In the event any person, firm, or corporation fails to pay the damages herein the County may assess such damages upon the property in the same manner as other special taxes for improvements are levied and assessed, or the County may sue any such person, firm, or corporation in any court of competent jurisdiction for the amount of the damages due and payable under the terms and provisions of this Permit and may recover a judgment against said party for the amount so due together with interest and attorneys fees.
- 15) One set of project construction plans must be attached to the permit.

(TO BE COMPLETED BY COUNTY PERSONNEL)

Encasement Requirements: \_\_\_\_\_

Methods of Installation (circle appropriate): Boring Plowing Trenching Power Poles

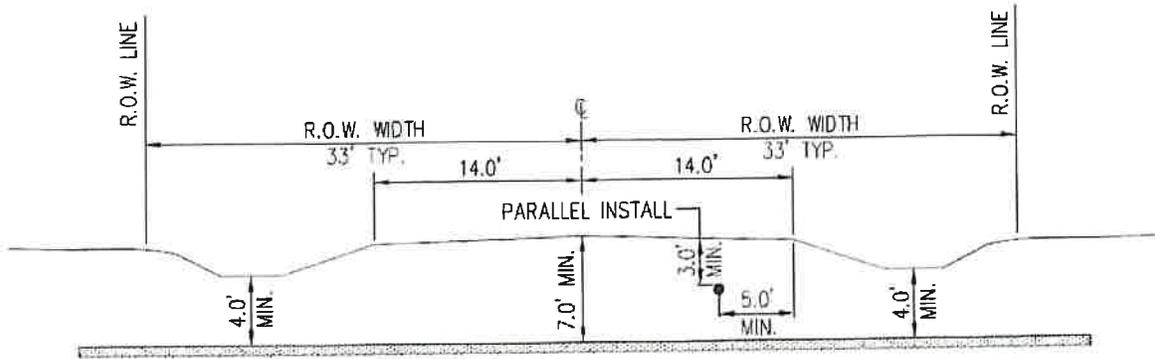
Other Requirements: \_\_\_\_\_

Applicant's emergency contact:

Brian Welch  
Name (print)

643-0419  
Business Phone Cell Phone Home Phone

## UTILITY PERMIT REQUIREMENTS



ROADWAY CROSS SECTION  
NO SCALE

**NOTES:**

- 1) This type of crossing to be made at all public county roads.
- 2) No utility will be buried directly above a drainage structure, regardless of the burial depth.
- 3) Within traveled portion of unimproved roadways, all open cut crossings to be backfilled with material excavated from trench. No sand or crushed rock backfill will be allowed. Backfill must be compacted beneath haunches of pipe filling all voids along pipe. Backfill density to be equal to or greater than surrounding soil.
- 4) Future road construction work, within public right-of-way, could necessitate relocation of utilities. Utility relocation costs will be borne by the applicant. The County will work in good faith with the applicant with respect to the ultimate decision to re-locate any said utility, provide notice of the same and schedule a time with the applicant to facilitate said relocation.
- 5) Trees and brush removed to facilitate construction shall be properly disposed of at applicant's expense and not buried or left on county right-of-way.
- 6) Any requirements not covered in this permit shall conform to the State of Nebraska Policy for Accommodating Utilities on State Highway Right-of-Way and the State of Nebraska Standard Specifications for Highway Construction.
- 7) Adequate markers shall be placed on the right-of-way line. The markers shall give the name and address of the utility owner and phone number to contact in case of emergency.

I (We) agree to construct the Electrical (utility) in accordance with the permit requirements and provisions included as a part of this permit.

Company: Ulch Electric Address: Box 37, Broken NE 69364  
 Phone: 402-643-0419 Signature: [Signature] Date: 1-17-26

EXECUTION BY SEWARD COUNTY

The above application is hereby approved subject to the requirements and provisions of the permit.

\_\_\_\_\_  
Seward County Authorized Representative

\_\_\_\_\_  
Date

**INSURANCE and INDEMNIFICATION REQUIREMENTS**

The applicant shall not begin work under this permit until it has obtained all insurance coverages required under this section and such insurance has been approved by the County. The following insurance coverages shall be kept in force during the life of the permit and shall be primary with respect to any insurance or self-insurance programs covering the County, its commissioners/supervisors, officials, agents, representatives and employees.

A. Workers Compensation and Employers Liability Insurance

The minimum acceptable limits shall be the statutory limits as required by the State of Nebraska for Coverage A, Workers Compensation and \$500,000 each accident for Coverage B, Employers Liability.

B. Commercial General Liability Insurance

Coverage shall include liability coverage addressing premises and operations, contractual, independent contractors, and products/completed operations. The coverage must protect against claims for damages resulting from bodily injury, including death, personal injury and property damage.

The minimum acceptable limits of liability shall be \$1,000,000 each occurrence. If the coverage contains a general aggregate, such limit shall not be less than \$2,000,000. The products/completed operations limit shall not be less than \$2,000,000. If written on a claims made form, the products/completed operations coverage is to be maintained for two years after final payment.

The County is to be named as an additional insured on the insurance coverage required under this section.

C. Automobile Liability Insurance

Coverage shall include liability coverage addressing claims for damages resulting from bodily injury, including death and property damage, which may arise from the operations of any owned, hired or non-owned automobile. The minimum acceptable limit of liability shall be \$1,000,000 Combined Single Limit for each accident.

The County is to be named as an additional insured on the insurance coverage required under this section.

D. Certificate of Insurance

The Applicant shall furnish the County with a certificate(s) of insurance evidencing the coverages required in this section. Such certificate(s) shall specifically state that the insurance company or companies underwriting these insurance coverages shall give the County at least thirty (30) days written notice in the event of cancellation of, or material change in, any of the coverages. If the certificate(s) is shown to expire prior to completion of all the terms of this Agreement, the Applicant shall furnish a certificate(s) of insurance evidencing renewal of its coverage to the County.

The Applicant shall require each and every subcontractor performing work under this permit to maintain the same coverages required of the Applicant in this section, and upon the request by the County, shall furnish the County with a certificate(s) of insurance evidencing the Subcontractors insurance coverages required in this section.

E. Indemnification-Hold Harmless

The Applicant agrees to indemnify and hold harmless, protect and defend Seward County and its elected and appointed officials, employees, agents, and representatives against any and all claims, demands, suits, actions, payments and judgments, including any and all costs and expenses connected therewith, legal cost or otherwise, for any damages which may be asserted, claimed, or recovered against or from Seward County or its insurers, because of personal injury, including bodily injury or death, or on account of property damage, including loss of use thereof, sustained by any person or persons which arises out of, is in any way connected with, or results from any and all work or activity associated with the work performed under this permit unless such damages are the direct and sole result of Seward County's negligence.

APPLICANT *Eric Allen* 1-17-26  
Date

REPRESENTATIVE \_\_\_\_\_

**SEWARD COUNTY ZONING APPLICATION**  
**WIRELESS UPGRADE/EQUIPMENT ADD ON TO EXISTING STRUCTURES**  
**ZONING REQUIREMENTS**

\*ALL BUILDINGS WILL BE BUILT BY: IBC CODE STANDARDS 2018 OR BETTER  
\*AN ELECTRICAL INSPECTION IS REQUIRED FOR ANY CONSTRUCTION.

Date: 01/02/20265 Zoning Permit #: TU 01-2026  
Parcel ID #: 800231815 # Acres: \_\_\_\_\_ Zoning District: A-1  
Legal Description: Precinct: H Section: 23 Range: 4 Township: 11 Quarter: W 1/2 SW 1/4  
Owner: Tillman Infrastructure, LLC TI-02344 Phone #: 8  
Address: PO Box 460667, Dept 100, Houston, TX 77056 Email: suruchi.ahuja@tillmanglobal.com  
Lessee AT&T Mobility c/o Amentum Phone #: 804-714-6238  
Address: 4809 Carolina Ave, Richmond, VA 23222 Email: Sharon.Weddle@us.amentum.com

**CLASS OF WORK**

Upgrade: \_\_\_\_\_ Equipment Add On: \_\_\_\_\_

Description of work to be performed AT&T Mobility, plans to swap 6 radios and remove 3 antennas on the existing guyed tower.  
There will be no structure height increase and no ground disturbance.

Tower Height 295' existing Front Setback: 270 Side Yd: 270 Rear Yd: 270  
Will any structures be added to the ground No If yes, structure Size: Length: \_\_\_\_\_ Width: \_\_\_\_\_  
Sidewall Height: \_\_\_\_\_ Square Footage: \_\_\_\_\_ Use of Structure \_\_\_\_\_  
Builder: Amentum Plumber: \_\_\_\_\_  
Electrician: \_\_\_\_\_

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**Official Use Only**

Application received 01-02-2026 FEE: \$ 600 Received on 01-14-2026 Receipt #: 1096

**Action of Planning Commission**

Date legal notice was published 01-21-2026 Date of hearing 01-26-2026 at 7pm

Board's Recommendation- Approved x Denied \_\_\_\_\_ Chairman \_\_\_\_\_

Reasons governing recommendation \_\_\_\_\_

**Action of Board of Commissioners:**

Date Legal Notice was Published 02-18-2026 Date of Hearing 02-24-2026

Board's Recommendation- Approved \_\_\_\_\_ Denied \_\_\_\_\_ Chairman \_\_\_\_\_

Reasons governing decision \_\_\_\_\_

01/02/2026

*Via – Email*

Seward County, NE  
Zoning and Building Official  
529 Seward St. RM 301  
Seward, NE 68434

RE: New Cingular Wireless PCS, LLC (“AT&T”) building permit application (“Application”) for equipment installation at the existing wireless telecommunications facility (“Facility”) located at 1520 168th Road, Garland, NE 68360, with Seward County.

Dear Zoning and Building Official:

AT&T submits the enclosed permit application and associated documents as an eligible facilities request under Section 6409 of the Federal Middle Class Tax Relief and Job Creation Act of 2012 and related regulations and orders (“Section 6409”).

The purpose of our letter is to outline the applicable federal timing and review requirements for AT&T’s permit application as an EFR under Section 6409. Notably, this project includes work necessary to improve wireless service quality and to provide coverage and capacity for the FirstNet first-responder platform on AT&T’s network<sup>1</sup>.

### **Background on Federal Law**

Section 6409 was adopted over a decade ago to streamline municipal permit processes for modifications to existing wireless facilities and provides the following:

“a State or **local government** may not deny, and **shall approve**, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station.” 47 U.S.C. §1455(a)(1)

The law defines an “eligible facilities request” as: “(A) collocation of new transmission equipment; (B) removal of transmission equipment; or (C) replacement of transmission equipment.”

After the adoption of Section 6409 in 2012, the Federal Communications Commission issued two Wireless Infrastructure Reports and Orders<sup>2</sup> to establish federal regulations and clarify the procedural requirements for local municipal approval of projects involving eligible facilities requests under Section 6409 (“FCC Orders”). The FCC Orders state that municipal review of an eligible facilities request is **limited to determining whether the request falls within Section 6409**:

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<sup>1</sup> For more information about FirstNet, see <https://www.firstnet.gov/> and <https://www.youtube.com/embed/p-zyDCSaDug>.

“a State or local government may require the applicant to provide documentation or information **only to the extent reasonably related to determining whether the request meets the requirements of this section** [Section 6409]. A State or local government **may not require an applicant to submit any other documentation**, including but not limited to documentation intended to illustrate the need for such wireless facilities or to justify the business decision to modify such wireless facilities.”47 C.F.R. 1.6100(c)(1) (Emphasis added).

### **AT&T’s Application is an Eligible Facilities Request under Section 6409**

AT&T’s Application qualifies as an eligible facilities request under Section 6409 because the proposed installation involves “a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station.” Since this structure already supports communications equipment, it is considered an existing tower under Section 6409.

As shown on the plans prepared by B+T Group, dated 7/17/2025, AT&T’s proposed installation consist principally of the following elements:

AT&T Mobility plans to swap 6 radios and remove 3 antennas on the existing guyed tower. There will be no structure height increase and no ground disturbance.

Accordingly, AT&T’s installation involves the replacement of transmission equipment and removal of transmission equipment that will not substantially change the dimensions of the facility. Therefore, the proposed project constitutes an “eligible facilities request” under Section 6409, and must be approved.

### **Timeline for Review and Approval**

We would like to highlight an important timing requirement for processing AT&T’s permit application. The FCC Orders and regulations require that **a municipality must act on an eligible facilities request within sixty (60) days of receiving the application.** 47 C.F.R. 1.6100(c)(2) (Emphasis added). The the sixty (60)-day period is also known as the “Shot Clock.” Thus, the municipality must approve this application within sixty (60) days of its receipt.

The FCC Orders and regulations also provide that upon a municipality’s failure to act prior to expiration of the Shot Clock, the **“request shall be deemed granted”** and AT&T will be legally entitled to proceed with construction. 47 C.F.R. 1.6100(c)(4) (Emphasis added).

Note that the FCC Orders and regulations do allow the Shot Clock to be tolled if an application is incomplete. However, in order to do so, a municipality must provide written notice that the application is incomplete within thirty (30) days of the submittal. 47 C.F.R. 1.6100(c)(3)(i). Further, any such notice must “clearly and specifically” describe the missing documents or information, 47 C.F.R. 1.6100(c)(3)(i), and, as previously mentioned, such documentation must be necessary to the determination of whether the application qualifies as an eligible facilities request regardless of whether such local requirements are set forth in a code, ordinance or submission guidelines.

If the municipality requests additional information after the first thirty (30) days have passed, we will still provide any “reasonably related” information allowed under the FCC Orders and regulations, but the Shot Clock will not be tolled.

**FirstNet and Public Safety**

As mentioned above, this project will support FirstNet. Conceived by the *9/11 Commission Report* as necessary for first responder communications, Congress created the federal First Responder Network Authority, which selected AT&T to build and manage FirstNet, the first-ever nationwide first-responder wireless network. Deployment of FirstNet in the subject area will improve public safety by putting advanced wireless technologies into the hands of public safety agencies and first responders.

Due to the public safety benefits associated with this eligible facilities request, AT&T respectfully requests that the requisite approvals and building permit be issued as quickly as possible so that AT&T can proceed with this important network upgrade expeditiously thereafter. Although Section 6409 allows for a 60-day permit review process, we would appreciate expedited review given the public safety benefits.

If you have any questions regarding this application, please contact me. Thank you for your cooperation.

Sincerely,

*Sharon Weddle*

Sharon Weddle  
Site Acquisition Specialist  
Amentum, Agent for Applicant  
(804) 714-6238  
Sharon.Weddle@us.amentum.com

Enclosures:  Permit Application Form  
 Permit Application Fee  
 Permit Fee  
Construction Drawings  
Structural Analysis



SITE NAME:  
**MALCOM WEST**

USID: 291374  
FA NUMBER: 15201772

IWM	PTN
WSLJMW0048657	3525A1HOEW
WSLJMW0050046	3525A1H22M

**RF DATA SHEET**

RFDS ID: RFDS-85668

**PROFESSIONAL CERTIFICATION:**

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEBRASKA, LICENSE NO.: E-10223, EXPIRATION DATE: 12/31/26.



2 ASH STREET, SUITE #300  
CONSHOHOCKEN, PA 19428

**EXISTING 295'-0" GUYED TOWER**  
LTE 1C RRII SWAP

**PROJECT SUMMARY**

TOWER OWNER: TILLMAN INFRASTRUCTURE LLC  
ADDRESS: 152 W 57TH ST.  
NEW YORK, NY 10019  
CONTACT: (212) 706-1677

SITE NUMBER: NEL02834A  
SITE ADDRESS: 1520 168TH ROAD  
GARLAND, NE 68360

CUSTOMER/APPLICANT: AT&T WIRELESS  
7900 XERXES AVE. S  
BLOOMINGTON, MN 55431

**NADES3**

LATITUDE: 40.903422° N  
LONGITUDE: 96.947531° W

JURISDICTION: SEWARD COUNTY  
COUNTY: SEWARD

GROUND ELEVATION: 1448' AMSL  
OCCUPANCY TYPE: UNMANNED

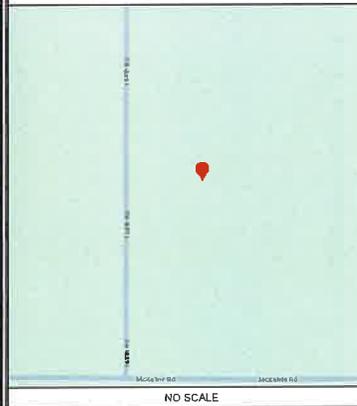
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION

CONSTRUCTION TYPE: II-B  
OCCUPANCY GROUP: U

**AREA MAP**



**LOCATION MAP**



**DRAWING INDEX**

SHEET #	SHEET DESCRIPTION	REV. #
T-1	TITLE SHEET	1
GN-1	GENERAL NOTES	1
C-1	OVERALL SITE PLAN	1
C-2	EXISTING & FINAL EQUIPMENT PLANS	1
C-3	GROUND EQUIPMENT DETAILS	1
C-4	TOWER ELEVATION & ANTENNA MOUNTING DETAILS	1
C-5	EXISTING & FINAL ANTENNA PLANS	1
C-6	ANTENNA & CABLE SCHEDULE	1
C-7	TOWER EQUIPMENT DETAILS	1
E-1	POWER LOAD CALCULATIONS	1
G-1	GROUNDING DETAILS	1

USID: 291374  
FA: 15201772

**MALCOM WEST**  
1520 168TH ROAD  
GARLAND, NE 68360

EXISTING GUYED TOWER

PROJECT NO: 174611.001.01  
CHECKED BY: TDG

**ISSUED FOR:**

REV	DATE	DRWN	DESCRIPTION
A	2/13/25	IBO	PRELIMINARY REVIEW
B	2/27/25	IBO	CONSTRUCTION
T	7/17/25	IBO	CONSTRUCTION

**PROJECT DESCRIPTION**

**TOWER SOW:**

- REMOVE (3) NNH4-65C-R6-V3 ANTENNAS.
- REMOVE ALL EXISTING RRHS.
- INSTALL (3) 4890 B25/B66A RRHS CABLED TO A3,B3,C3.
- INSTALL (3) 4494 B14/B29 RRHS CABLED TO A3,B3,C3.
- ROTATE MOUNTS TO ELIMINATE SKEW.
- RELOCATE EXISTING BEACON TO HIGHER ELEVATION TO CLEAR HIGHEST ANTENNA AFTER A PROPOSED RAD INCREASE.

\*\*CRANE REQUIRED\*\*

**CIVIL SOW:**

- REMOVE ALL NOKIA BASEBAND EQUIPMENT.
- INSTALL ERICSSON BBU EQUIPMENT IN RELAY RACK.
- INSTALL (4) -48/-58V DC CONVERTERS.
- INSTALL (1) -58V RETROFIT KIT.

B&T ENGINEERING, INC.  
CA 1170  
Expires 5/19/25



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER: T-1  
REVISION: 1

**CONTACT INFORMATION**

**A&E FIRM:** B+T GROUP  
1717 S. BOULDER, STE. 300  
TULSA, OK 74119

**CONTACT:** JANNA SIMMONS  
**EMAIL:** JSIMMONS@B+TGRP.COM

**CONSTRUCTION PM:**  
**CONTACT:** DALE VANDEWALKER  
**EMAIL:** DALE.VANDEWALKER@US.AMENTUM.COM

**ELECTRIC PROVIDER:** NORRIS PUBLIC POWER DISTRICT  
(402) 643-2953

**PHONE:**

**TELECOM PROVIDER:** WINDSTREAM  
**PHONE:** (888) 632-6944

**DRIVING DIRECTIONS**

DEPART 7900 XERXES AVE. S, BLOOMINGTON MN ON ...  
HEAD SOUTH TOWARD W 82ND ST. TURN RIGHT TOWARD XERXES AVE S. TURN LEFT ONTO W 82ND ST. TURN LEFT ONTO PENN AVE S. TURN RIGHT AT THE 1ST CROSS STREET ONTO W 82ND ST. TURN RIGHT ONTO HUMBOLDT AVE S. SLIGHT LEFT TO MERGE WITH I-35W S. MERGE WITH I-35W S. CONTINUE ONTO I-35 S. USE THE RIGHT 2 LANES TO MERGE WITH I-35 S/I-80 W TOWARD KANSAS CITY/COUNCIL BLUFFS. KEEP RIGHT AT THE Y JUNCTION TO CONTINUE ON I-80 W. FOLLOW SIGNS FOR COUNCIL BLUFFS/OMAHA. TAKE EXIT 401 FOR US-34 TOWARD I-180/9TH ST/DOWNTOWN. TAKE EXIT 401B TO MERGE WITH US-34 W/I-80 ALT TOWARD I-180 ALT W. MERGE WITH US-34 W/I-80 ALT. TURN RIGHT ONTO 154TH. TURN LEFT ONTO MCKELVEY RD. TURN RIGHT ONTO 168TH RD.

**CODE COMPLIANCE**

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING/DWELLING	2018 IBC W/ AMENDMENTS
STRUCTURAL	2018 IBC W/ AMENDMENTS
MECHANICAL	2012 IMC
ELECTRICAL	2023 NEC

**DO NOT SCALE DRAWINGS**

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11x17.  
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

SEE SHEET GN-1 FOR ADDITIONAL CONSTRUCTION NOTES



CALL NEBRASKA ONE CALL  
(800) 331-5666  
CALL 3 WORKING DAYS  
BEFORE YOU DIG!



**PROJECT COMPLIANCE NOTES:**

- THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE AND IS NOT FOR HUMAN HABITAT. (NO HANDICAP ACCESS IS REQUIRED).
- OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
- NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS PROPOSAL, UNLESS DURING EMERGENCY.
- OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT PROPOSED.
- ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST AT&T SYSTEM GROUNDING STANDARDS. TECHNICAL SPECIFICATION FOR CONSTRUCTION OF LTE SITES AND WILL FOLLOW AT&T GROUNDING AND BONDING REQUIREMENTS FOR NETWORK FACILITIES AT&T DOC ID AT-T-TP-76416 AND AT&T POLICY LETTER AT-T-CEM-13002.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED DURING CONSTRUCTION OPERATION.
- THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
- INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM DRAWINGS PROVIDED BY THE APPLICANT REPRESENTATIVE. THE CONTRACTOR SHALL NOTIFY TURF VENDOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- NO ADDITIONAL PARKING IS PROPOSED. EXISTING ACCESS AND PARKING WILL BE USED.
- NO ADDITIONAL LANDSCAPING IS PROPOSED AT THIS SITE.
- ALL COAXIAL CABLE/FIBER AND DC CABLE INSTALLATION IS TO FOLLOW MANUFACTURER'S INSTRUCTION.

**GREENFIELD GROUNDING NOTES:**

ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.

THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.

THE SUBCONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.

METAL CONDUIT AND TRAY SHALL BE GROUNDING AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.

METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO ITS EQUIPMENT.

EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 AWG SOLID TINNED COPPER FOR OUTDOOR BTS.

CONNECTIONS TO THE GROUND BAR SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BAR ARE PERMITTED.

ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 AWG SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.

ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.

USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.

EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.

ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.

COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.

ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.

APPROVED ANTIOXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.

ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.

MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.

BOND ALL METALLIC OBJECTS WITHIN 6 FT. OF MAIN GROUND WIRES WITH 1-#2 AWG TIN-PLATED COPPER GROUND CONDUCTOR.

GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS, WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED, WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.

**ELECTRICAL INSTALLATION NOTES:**

ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.

CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.

WIRING, RACEWAY & SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.

ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.

CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.

EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E., HOTS), GROUNDING AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR APPROVED EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.

ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH PLASTIC TAPE PER COLOR SCHEDULE. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (I.E. PANEL BOARD AND CIRCUIT ID'S).

PANEL BOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.

ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.

POWER, CONTROL AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (WET & DRY) OPERATION LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED UNLESS OTHERWISE SPECIFIED.

SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION CLASS B STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED UNLESS OTHERWISE SPECIFIED.

POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION CLASS B STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION WITH OUTER JACKET LISTED OR LABELED FOR THE LOCATION USED UNLESS OTHERWISE SPECIFIED.

ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR APPROVED EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).

RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.

ELECTRICAL METALLIC TUBING (EMT) (OR RIGID NONMETALLIC CONDUIT (I.E. RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.

ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT) OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.

GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.

RIGID NONMETALLIC CONDUIT (I.E. RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.

LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.

CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.

CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.

WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS; SHALL BE PANUIT TYPE E (OR APPROVED EQUAL); AND RATED NEMA 1 (OR BETTER).

EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND RATED NEMA 1 (OR BETTER) INDOORS OR NEMA 3R (OR BETTER) OUTDOORS.

METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING, SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.

NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.

THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.

THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

INSTALL PLASTIC LABEL ON THE METER CENTER TO SHOW "AT&T WIRELESS".

**PROJECT GENERAL NOTES:**

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:  
TURF VENDOR- GENERAL CONTRACTOR (CONSTRUCTION)  
CONTRACTOR- OWNER- AT&T  
OEM- ORIGINAL EQUIPMENT MANUFACTURER
- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS, ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- DRAWINGS PROVIDED HERE ARE NOT TO SCALE AND ARE INTENDED TO SHOW OUTLINE ONLY.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY TURF VENDOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE TURF VENDOR.
- CONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWINGS.
- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
- CONSTRUCTION SHALL COMPLY WITH AT&T AND MANUFACTURER SPECIFICATIONS.
- ALL ITEMS REMOVED FROM SERVICE ON SITES THAT HAVE AN AT&T ASSET TAG MUST BE LOGGED BACK IN WITH AT&T.

**ABBREVIATIONS AND SYMBOLS:**

**ABBREVIATIONS:**

- AGL ABOVE GRADE LEVEL
- BTS BASE TRANSCIVER STATION
- (E) EXISTING
- MIN. MINIMUM
- N.T.S. NOT TO SCALE
- REF REFERENCE
- RF RADIO FREQUENCY
- T.B.D. TO BE DETERMINED
- T.B.R. TO BE REVISED
- TYP. TYPICAL
- REQ. REQUIRED
- EGR EQUIPMENT GROUND RING
- AWG AMERICAN WIRE GAUGE
- MGB MASTER GROUND BAR
- EG EQUIPMENT GROUND
- BCW BARE COPPER WIRE
- SIAD SMART INTEGRATED ACCESS DEVICE
- GEN GENERATOR
- IGR INTERIOR GROUND RING (HALO)
- RBS RADIO BASE STATION

**SYMBOLS:**

- [S/G] SOLID GROUND BUS BAR
- [S/N] SOLID NEUTRAL BUS BAR
- [---] SUPPLEMENTAL GROUND CONDUCTOR
- [---] 2-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- [---] SINGLE-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- [⊗] CHEMICAL GROUND ROD
- [⊗] TEST WELL
- [□] DISCONNECT SWITCH
- [⊗] METER



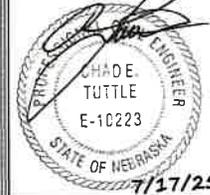
USID: 291374  
I/A: 15201772

**MALCOM WEST**  
1520 168TH ROAD  
GARLAND, NE 68460  
EXISTING GLUED TOWER

PROJECT NO: 1749100101  
CHECKED BY: TDG

ISSUED FOR:			
REV	DATE	BY	DESCRIPTION
A	3/13/25	DR	PRELIMINARY REVIEW
B	3/27/25	DR	CONSTRUCTION
1	7/17/25	RD	CONSTRUCTION

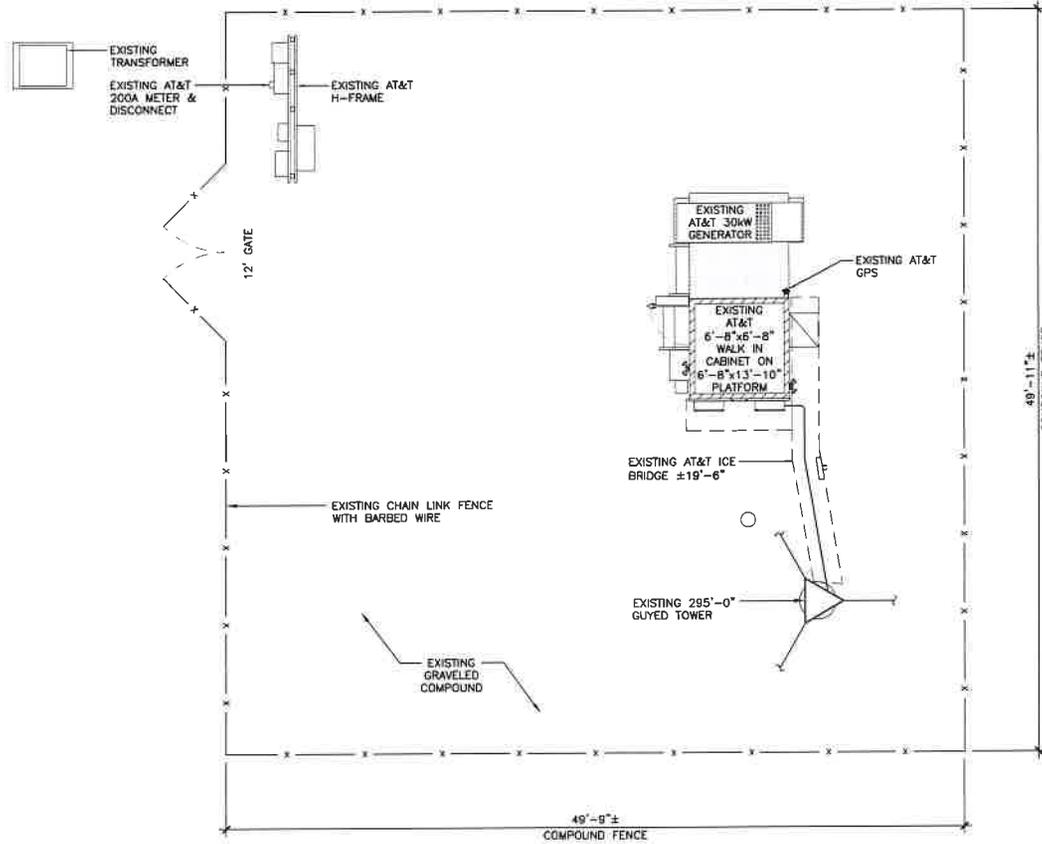
B&T ENGINEERING, INC.  
CA 1170  
Expires 9/19/25



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL CHANGER, TO ALTER THIS DOCUMENT.

SHEET NUMBER: DIVISION:  
**GN-1 1**

1. THE SUBCONTRACTOR SHALL GIVE ALL NOTICES AND REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE SUBCONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID SUBCONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE SUBCONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE AT&T REPRESENTATIVE (B&T ENGINEERING) OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF SUBCONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES, THE SUBCONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIAL AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE SUBCONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE THEMSELVES WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE SUBCONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS INFORMED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
8. THE SUBCONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE, UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS, AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. THE SUBCONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
10. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEERING, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
11. THE SUBCONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVEMENTS, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE SUBCONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
12. THE SUBCONTRACTOR SHALL MAINTAIN THE GENERAL WORK AREA AS CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.
13. THE SUBCONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
14. THE SUBCONTRACTOR SHALL NOTIFY THE AT&T REPRESENTATIVE (B&T ENGINEERING) WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE AT&T REPRESENTATIVE (B&T ENGINEERING).
15. THE SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOBS.



1 OVERALL SITE PLAN  
 SCALE: 0" 1" 4" 8" 20"



USID: 291374  
 I/A: 15201772

**MALCOM WEST**  
 1520 168TH ROAD  
 GARLAND, NE 68360

EXISTING GUYED TOWER

PROJECT NO: 174811.001.01  
 CHECKED BY: TOG

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
A	2/15/25	BNR	PRELIMINARY REVIEW
D	2/27/25	BNR	CONSTRUCTION
T	7/17/25	RE	CONSTRUCTION

B&T ENGINEERING, INC.  
 CA 1170  
 Expires 9/19/25

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SHEET NUMBER: C-1  
 REVISION: 1

# GROUND SCOPE OF WORK

GUYED TOWER, WALK IN CABINET

EXISTING ANT AZ - A 15 B 109 C 241  
 PROPOSED ANT AZ - A 0 B 120 C 240

CIVIL SOW:

1. REMOVE ALL NOKIA BASEBAND EQUIPMENT.
2. INSTALL ERICSSON BBU EQUIPMENT IN RELAY RACK.
3. INSTALL (4) -48/-56V DC CONVERTERS
4. INSTALL (1) -56V RETROFIT KIT.



2 ASH STREET, SUITE #300  
 CONSHOHOCKEN, PA 19428

USID: 291374  
 I/A: 15201772

**MALCOM WEST**

1520 168TH ROAD  
 GARLAND, NJ: 08360  
 EXISTING GUYED TOWER

PROJECT NO: 17481.001.01  
 CHECKED BY: TDG

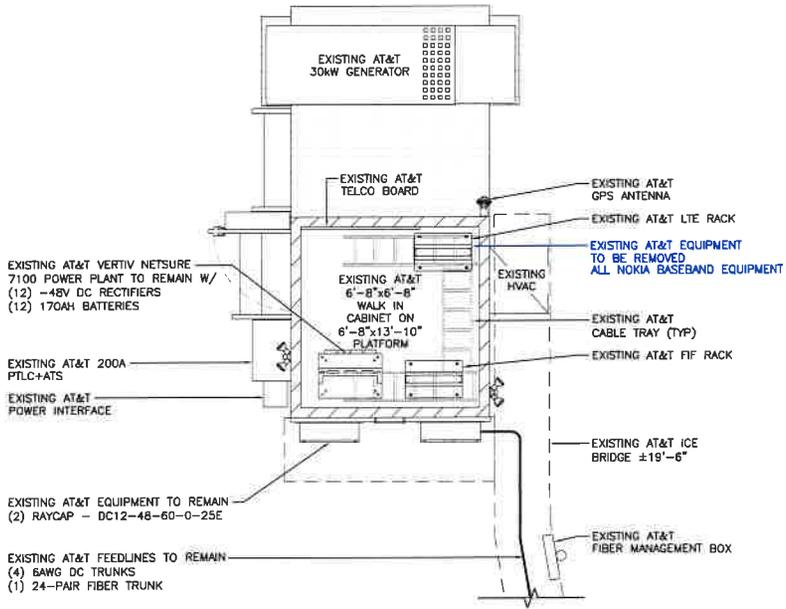
ISSUED FOR:			
REV	DATE	DRWN	DESCRIPTION
A	7/13/25	DKR	PRELIMINARY REVIEW
0	2/27/25	DKR	CONSTRUCTION
1	7/17/25	REI	CONSTRUCTION

B&T ENGINEERING, INC.  
 CA 1170  
 Expires 9/19/25

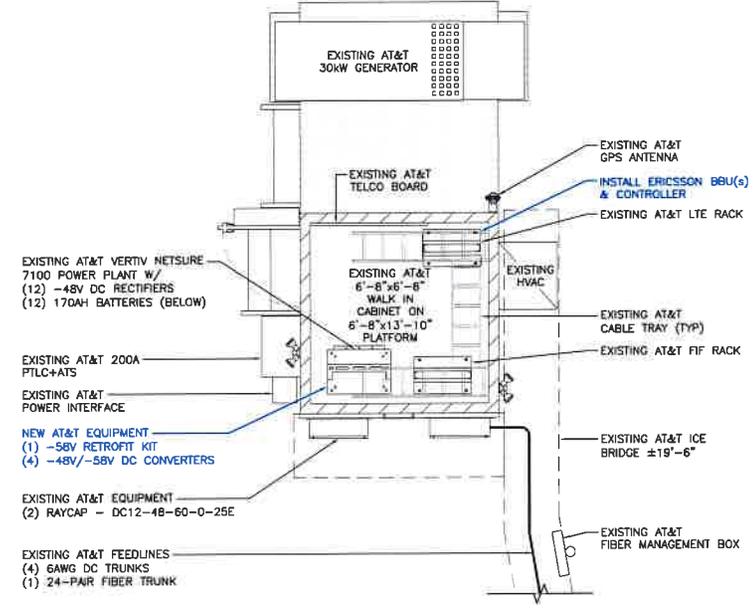


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER: **C-2** DIVISION: **1**



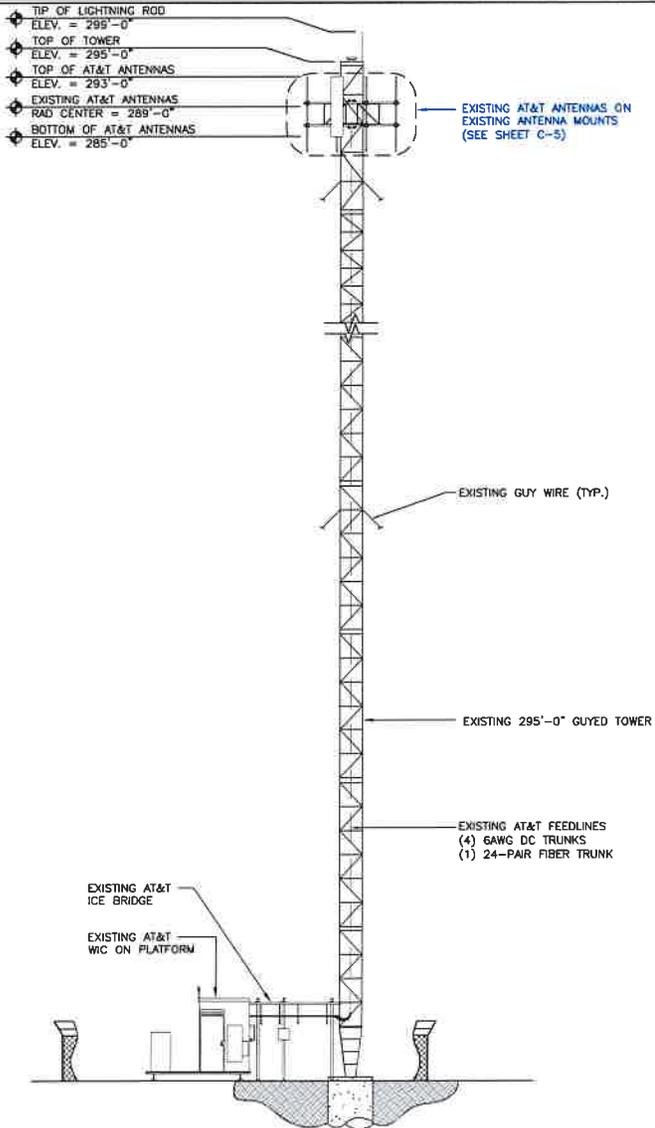
**1** EXISTING EQUIPMENT PLAN  
 SCALE: 0' 1' 2' 4' 10'



**2** FINAL EQUIPMENT PLAN  
 SCALE: 0' 1' 2' 4' 10'







**NOTE:**  
 THESE DRAWINGS ARE NOT INTENDED TO REFLECT THE STRUCTURAL INTEGRITY OF THE TOWER. THE PROPOSED ANTENNAS AND TRANSMISSION LINES SHOWN ARE REPRESENTATIVE IN NATURE AND DO NOT REFLECT THE ACTUAL CONFIGURATIONS REQUIRED. THE CONTRACTOR SHALL REFER TO THE STRUCTURAL ANALYSIS OF THIS TOWER SITE FOR THE APPROVED LOCATION AND CONFIGURATION OF ALL ANTENNAS AND TRANSMISSION LINES. ALL ANTENNAS MUST BE MOUNTED AND THE TRANSMISSION LINES CONFIGURED IN STRICT ACCORDANCE WITH THE STRUCTURAL ANALYSIS.

EXISTING MOUNT IS SUFFICIENT PER MOUNT ANALYSIS BY B+T GROUP DATED 3/6/25.

EXISTING TOWER SECTION NOT SHOWN FOR CLARITY:  
 • FROM 100'-0" TO 260'-0"

**1** TOWER ELEVATION  
 SCALE: 0' 8' 16' 32' 48'

**2** NOT USED  
 SCALE: N.T.S.

**3** NOT USED  
 SCALE: N.T.S.



USID: 291374  
 PA: 15201772

**MALCOM WEST**  
 1520 168TH ROAD  
 GARLAND, NE 68360  
 EXISTING GUYED TOWER

PROJECT NO: 174811-001.01  
 CHECKED BY: TDG

ISSUED FOR:

REV	DATE	BY	DESCRIPTION
A	2/13/25	BKR	PRELIMINARY REVIEW
D	2/27/25	BKR	CONSTRUCTION
I	7/17/25	FB	CONSTRUCTION

B&T ENGINEERING, INC.  
 CA 1170  
 Expires 9/18/25

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SHEET NUMBER: **C-4** REVISION: **1**





2 ASH STREET, SUITE #2000  
CONSHOHOCKEN, PA 19428

LISTED: 291374  
P.A.: 15201772  
**MALCOM WEST**  
1520 168TH ROAD  
GARLAND, N.J. 08860  
EXISTING GUYED TOWER

PROJECT NO. [748]1.001.03  
CHECKED BY: TDG

ISSUED FOR:			
REV	DATE	BY	DESCRIPTION
A	2/13/25	EMR	PRELIMINARY REVIEW
D	2/27/25	EMR	CONSTRUCTION
1	7/17/25	EMR	CONSTRUCTION

B&T ENGINEERING, INC.  
CA 1170  
Expires 9/19/25

CHAD E. TUTTLE  
E-10223  
7/17/25

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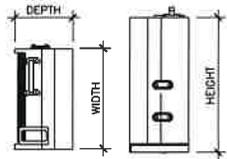
SHEET NUMBER: **C-6** REVISION: **1**

SECTOR	ANTENNA POSITION	TECHNOLOGY	ANTENNA VENDOR	ANTENNA MODEL	AZIMUTH	RAD CENTER	RRH (QTY) MODEL	SURGE PROTECTION W/ (QTY) FIBER (QTY) DC	FEEDER LENGTH
ALPHA	A1	-	-	-	-	-	-	(1) DC9-48-60-24-BC-EV (1) 24 PAIR FIBER (2) 6AWG DC	330'-0"
	A2	-	-	-	-	-	-		
	A3	LTE 700/PCS/AWS	COMMSCOPE	NNH4-65C-R6-V3 (96.0"x19.6"x7.8")	0°	289°-0"	4890 B25/B66A (20.6"x15.6"x7.0") 4494 B14/B29 (20.55"x15.63"x5.87")		
	A4	-	-	-	-	-	-		
BETA	B1	-	-	-	-	-	-	(1) DC9-48-60-24-BC-EV (2) 6AWG DC	330'-0"
	B2	-	-	-	-	-	-		
	B3	LTE 700/PCS/AWS	COMMSCOPE	NNH4-65C-R6-V3 (96.0"x19.6"x7.8")	120°	289°-0"	4890 B25/B66A (20.6"x15.6"x7.0") 4494 B14/B29 (20.55"x15.63"x5.87")		
	B4	-	-	-	-	-	-		
GAMMA	C1	-	-	-	-	-	-	SHARED	-
	C2	-	-	-	-	-	-		
	C3	LTE 700/PCS/AWS	COMMSCOPE	NNH4-65C-R6-V3 (96.0"x19.6"x7.8")	240°	289°-0"	4890 B25/B66A (20.6"x15.6"x7.0") 4494 B14/B29 (20.55"x15.63"x5.87")		
	C4	-	-	-	-	-	-		

**NOTES:**

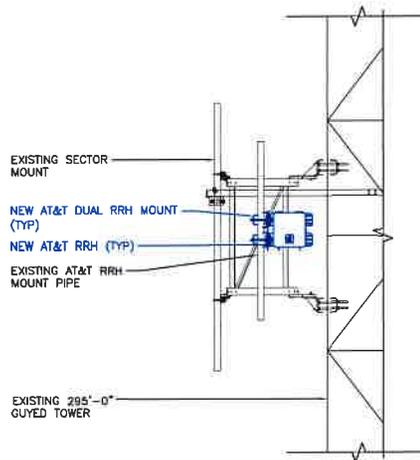
1. VERIFY ANTENNA DIMENSIONS WITH MANUFACTURER.
2. VERIFY FINAL ANTENNA MODEL WITH CURRENT VERSION OF THE AT&T RFDS.
3. ALL FEEDLINE LENGTHS SHALL BE FIELD VERIFIED PRIOR TO INSTALLATION.
4. BLUE DENOTES NEW EQUIPMENT.

**1** ANTENNA & CABLE SCHEDULE  
SCALE: N.T.S.

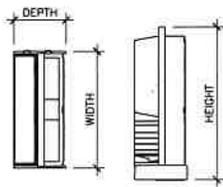


ERICSSON - RADIO 4494 B14/B29  
 WEIGHT: 57.33 LBS  
 SIZE (HxWxD): 20.55x15.63x5.87 IN.

1 RRH DETAIL  
 SCALE: N.T.S.



2 VERTICAL RRH PLACEMENT DETAIL  
 SCALE: N.T.S.

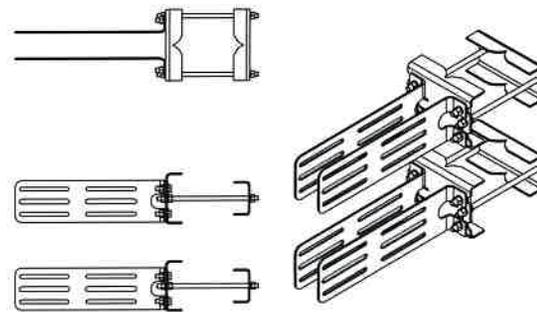


ERICSSON - RADIO 4890 B25/B66A  
 WEIGHT: 67.24 LBS  
 SIZE (HxWxD): 20.6x15.6x7.0 IN.

3 RRH DETAIL  
 SCALE: N.T.S.

**MOUNTING NOTES:**

- REFER TO PRODUCT SPECS FOR BOLT SIZE & PIPE DIAMETER TOLERANCES.
- THE PART NO. RR-FA2 (OR APPROVED EQUAL) IS REQUIRED FOR (2) RRHs.

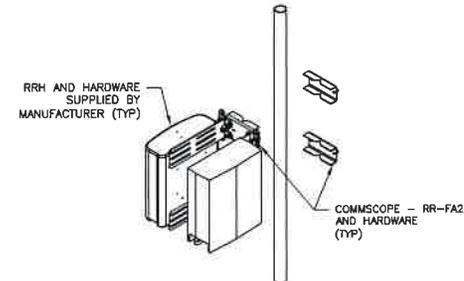


COMMSCOPE - RR-FA2  
 FAST ACCESS DUAL RRH MOUNT

4 DUAL RRH MOUNT BRACKET DETAIL  
 SCALE: N.T.S.

**INSTALLER NOTES:**

- COMPLY WITH MANUFACTURER'S INSTRUCTIONS TO ENSURE THAT ALL RRHs RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
- DO NOT OPEN RRH PACKAGES IN THE RAIN.
- ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.



RRH AND HARDWARE  
 SUPPLIED BY  
 MANUFACTURER (TYP)

COMMSCOPE - RR-FA2  
 AND HARDWARE  
 (TYP)

5 DUAL RRH MOUNTING DETAIL  
 SCALE: N.T.S.



2 ASH STREET, SUITE #3000  
 CONSHOHOCKEN, PA 19428

USID: 291374  
 P/A: 15201772  
**MALCOM WEST**  
 1520 168TH ROAD  
 CLARLAND, NE 68360  
 EXISTING GUYED TOWER

PROJECT NO: J74811.001.01  
 CHECKED BY: TDG

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
A	2/13/25	BNR	PRELIMINARY REVIEW
0	2/27/25	BNR	CONSTRUCTION
1	2/17/25	RB	CONSTRUCTION

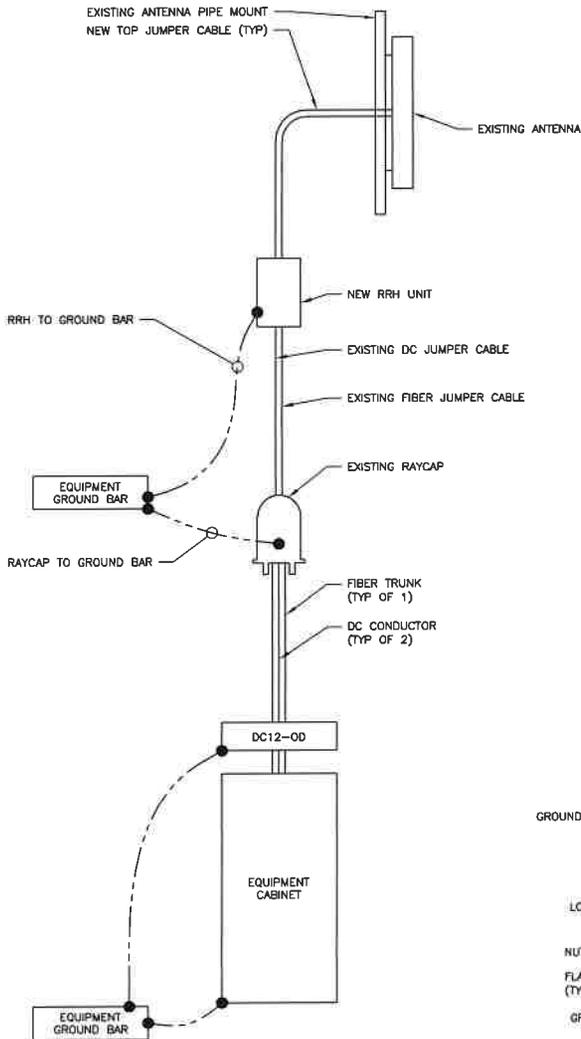
B&T ENGINEERING, INC.  
 CA 1170  
 Expires 9/19/25



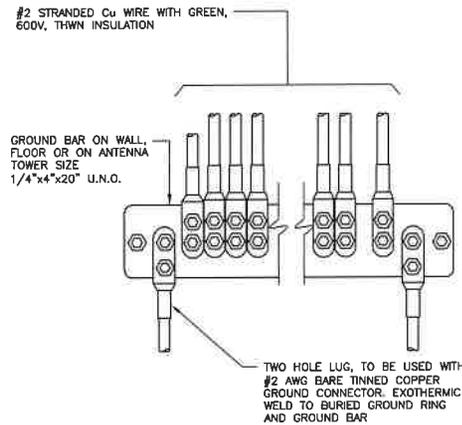
SHEET NUMBER: C-7 REVISION: 1

C-7 1

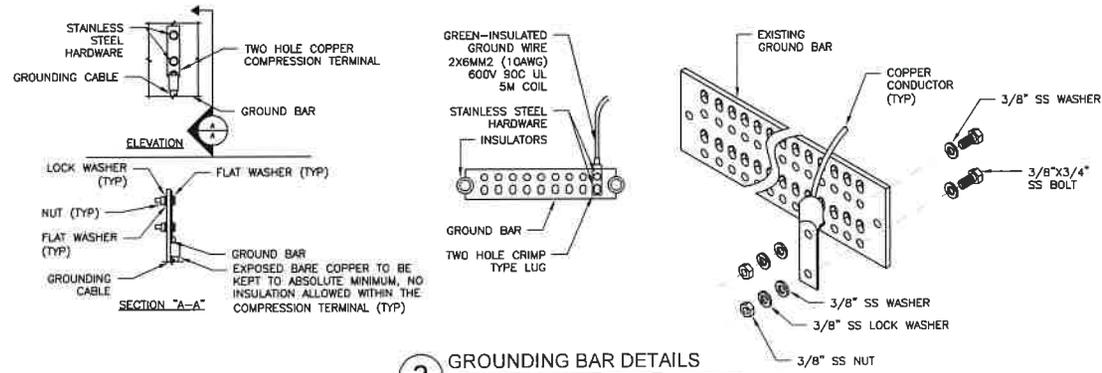




**1** GROUNDING SCHEMATIC  
SCALE: N.T.S.



**2** INSTALLATION OF GROUND WIRE TO GROUND BAR  
SCALE: N.T.S.



**3** GROUNDING BAR DETAILS  
SCALE: N.T.S.



USID: 291374  
PA: 15201772

**MALCOM WEST**  
1520 168TH ROAD  
GARLAND, NE 68360  
EXISTING GUYED TOWER

PROJECT NO: 17481401.01  
CHECKED BY: TDG

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
A	2/13/25	DR	PRELIMINARY REVIEW
B	2/27/25	DR	CONSTRUCTION
T	7/17/25	RE	CONSTRUCTION

B&T ENGINEERING, INC.  
CA 117G  
Expires 9/19/25

CHAD E. TUTTLE  
E-10223  
7/17/25

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SHEET NUMBER: **G-1** REVISION: **1**

10/17/2016 10:30:00 AM 10/17/2016 10:30:00 AM 10/17/2016 10:30:00 AM



9221 Lyndon B. Johnson Freeway, #204, Dallas, TX 75243 ★ PHONE 972-231-8893 ★ FAX 1-866-364-8375  
 www.allprocgi.com ★ e-mail: [info@allprocgi.com](mailto:info@allprocgi.com)

December 19, 2025

Pier Ballesteros  
 Direct -Tillman Portfolio  
 Tillman Infrastructure, LLC

**Ref: Structural Opinion Letter – 295' guyed Tower**

*Tillman Site Number: TI-OPP-17466*

*Tillman Site Name: 168th Road NE*

*Tillman Project ID: P-011369*

*Carrier Name: AT&T*

*Carrier Site Number: 10583996*

*Carrier Site Name: Malcom West*

*FA Number#: 15201772*

*IWM Job#: WSUMW0048657*

*Site Location: 1520 168th Road, Garland, NE 68630 – Sewaed County*

*Latitude: 40.90342°, Longitude: -96.94753°*

**ACGI# 25-9571**

*Applicable Codes: TIA-222-H, ASCE 7-16, Basic Wind Speed: 111 mph, 1.5" ice, Risk Category II and Exposure "C".*

**Results: 88.3 % (Pass)**

Dear Pier:

As per your request, we are providing the Structural Opinion Letter for the AT&T proposed equipment with related coax lines as listed below.

FINAL AT&T LOAD DESCRIPTION			
ELEVATION	LOADING TYPE	TX. LINE	MOUNT
289' ±*	(3) Commscope NNH4-65C-R6-V3 Antennas	(1) .40" Fiber (4) .96" DC	(3) Sector Mounts Sabre C10737001C
	(3) Ericsson 4494 B14/B29 Ericsson RRUs		
	(3) Ericsson 4890 B25/B66 Ericsson RRUs		
	(1) Raycap DC9-48-60-24-8C-EV OVP		

\*Note: Proposed AT&T Loading calculated w/ 40k in<sup>2</sup> EPA wind load with Ka factor of 0.8.

EXISTING/FUTURE LOAD DESCRIPTION				
ELEVATION	LOADING TYPE	TX. LINE	MOUNT	CARRIER
277' ±*	(1) 208 sq. ft EPA 4000# (No Ice)	(9) 1 5/8"	-	Future Loading
265' ±*	(1) 208 sq. ft EPA 4000# (No Ice)	(1) 1 5/8"	-	
246' ±	(2) 4' Solid Dish w/ Radome	(2) 1 5/8"	(2) Mount Pipe	

Note:1. \*Future Loading calculated w/30k in<sup>2</sup> EPA wind load with Ka factor of 0.8.



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SOURCE OF DATA	
ITEM	DOCUMENT
TOWER DESIGN	Sabre Industries, Job # 483896 Revision A, dated 11/12/2021.
FOUNDATION DESIGN	Sabre Industries, Job # 483896 Revision A, dated 11/12/2021.
MA REPORT	B+T GRP, B+T Group Project# 17811.001.01.0002, dated 03/08/2025.
GEOTECHNICAL REPORT	Associated Engineering Inc, AE Project# 5775, dated 03/26/2021.
EQUIPMENT LOADING	AT&T loading as per Colo App named: "TI-OPP-17466 P-011369 168th Road NE AT&T 15201772 Application". Dated 12/11/2025.

**SUMMARY:**

Based on our structural evaluation, tower is found **to be in code compliance** with, TIA-222-H with ASCE 7-16 wind data to support existing and proposed loading as mentioned in the table on page 1. Tower foundation is considered pass based on passing tower results.

TOWER RESULT SUMMARY		
MEMBER	% Capacity	Pass/Fail
Leg	80.2 %	Pass
Diagonal	75.1 %	Pass
Horizontal	43.3 %	Pass
Top Girt	20.9 %	Pass
Bottom Girt	20.9 %	Pass
Guy	88.3 %	Pass
Top Guy Pull-Off	42.7 %	Pass
Foundation	Considered Acceptable based on passing tower results	
<b>OVERALL TOWER RATIO: 88.3 % (Pass)</b>		

**DISCLAIMER:**

It is assumed that the existing structure is properly maintained and is in good condition free of any defects. Prior to installation of any new antennas the contractor shall inspect the condition of all relevant members and connectors. All antenna installations are to be installed by a contractor who is experienced in similar work. Existing antenna mounts were not evaluated for structural capacity by Allpro Consulting Group, Inc., either due to lack of mount data or not covered under the current tower structural only scope of work. The scope of this analysis does not include the loads induced during installation. All installation loads and procedures are the responsibility of the contractor. **The contractor should verify all field dimensions and fits before fabrication.**



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Climbers should not latch or tie their support lanyard or gear on to antennas, radios, antenna mounts etc. without proper evaluation. They should only tie to their support lanyards or gear to or attach to main tower/building structural members that have visible bolting and connection to the larger structure.  
Please contact me if additional clarifications are needed.

Sincerely,  
Mahta Shakib,  
Staff Engineer

12/19/2025

Approved By:  
Rajesh Sehgal, P.E.  
NE PE # W-10699

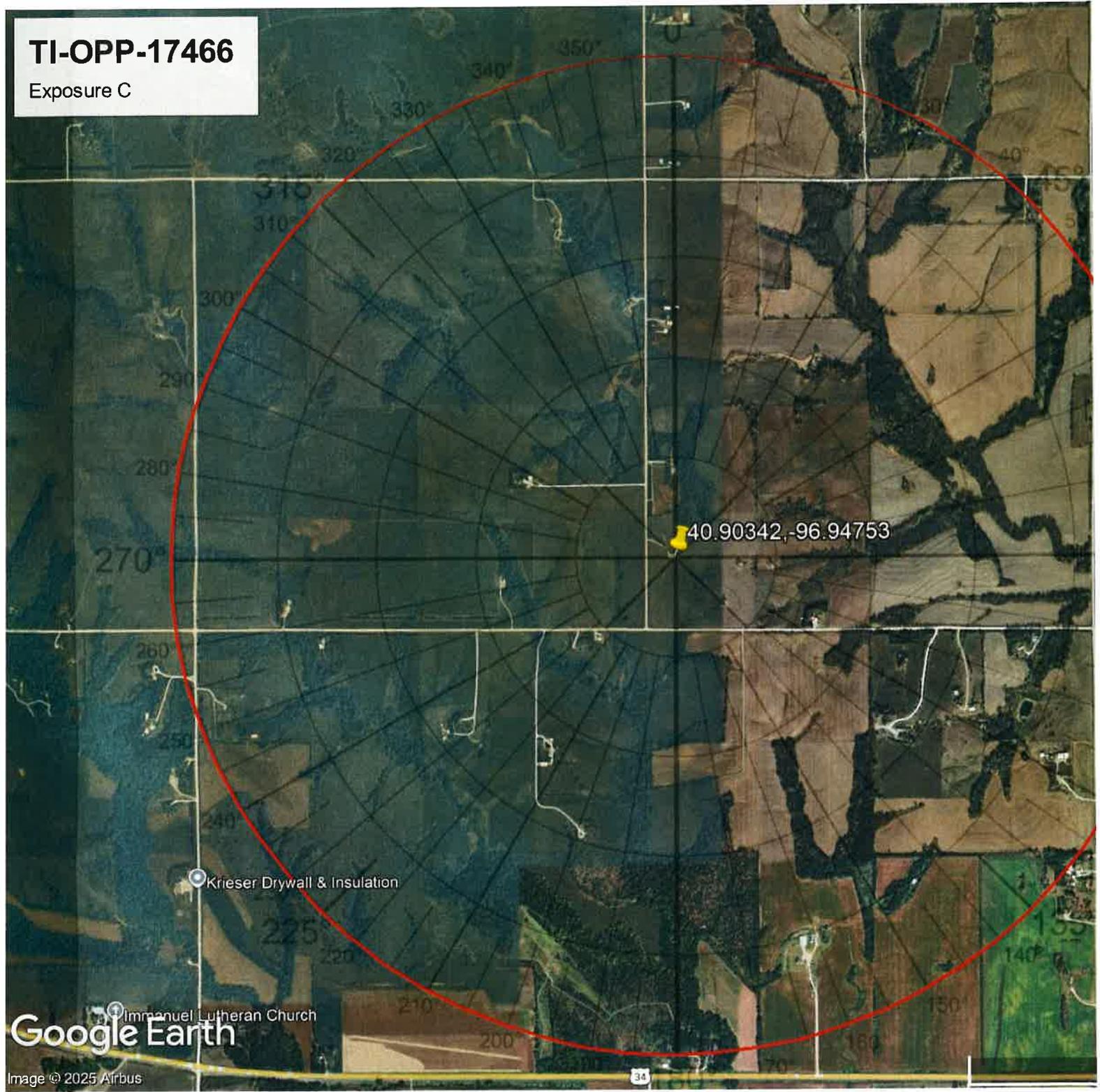
Encl:

1. Site Data
2. Coax Layout
3. Tower Elevation
4. Tnx Tower Calculation



# TI-OPP-17466

Exposure C



40.90342, -96.94753

Krieser Drywall & Insulation

Immanuel Lutheran Church

Google Earth

Image © 2025 Airbus

34

# ASCE Hazards Report

**Address:**

No Address at This Location

**Standard:** ASCE/SEI 7-16

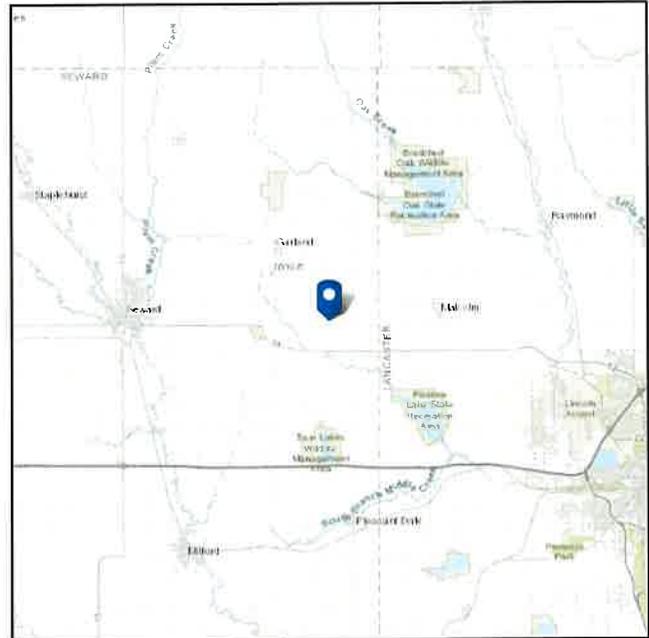
**Risk Category:** II

**Soil Class:** D - Stiff Soil

**Latitude:** 40.90342

**Longitude:** -96.94753

**Elevation:** 1448.7402671175612 ft (NAVD 88)



## Wind

**Results:**

Wind Speed	111 Vmph
10-year MRI	78 Vmph
25-year MRI	85 Vmph
50-year MRI	90 Vmph
100-year MRI	96 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2

Date Accessed: Thu Dec 18 2025

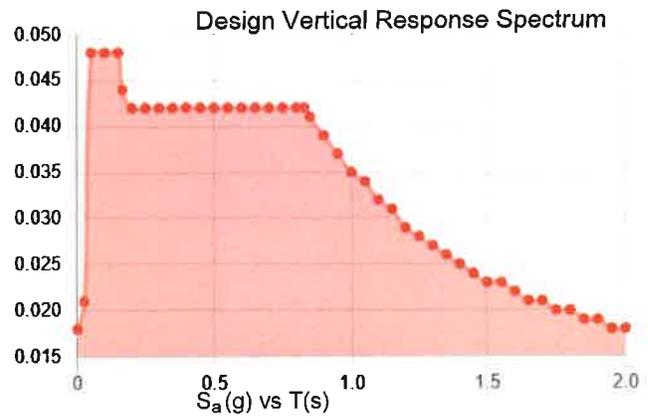
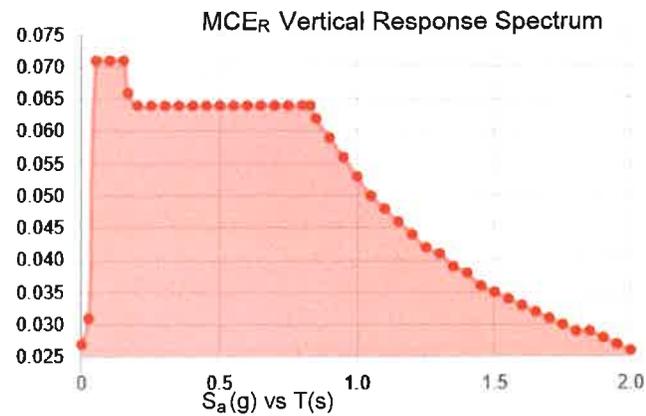
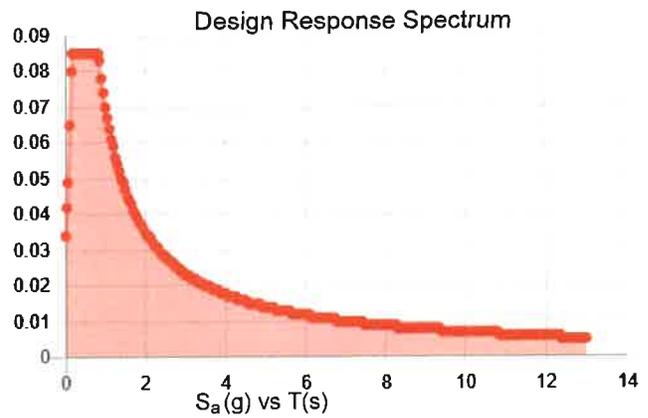
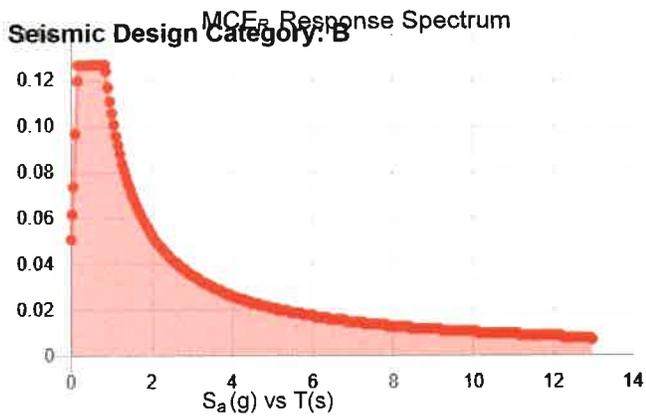
Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is not in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2.

**Site Soil Class:** D - Stiff Soil

**Results:**

$S_S$ :	0.08	$S_{D1}$ :	0.07
$S_1$ :	0.044	$T_L$ :	12
$F_a$ :	1.6	<b>PGA</b> :	0.039
$F_v$ :	2.4	$PGA_M$ :	0.062
$S_{MS}$ :	0.127	$F_{PGA}$ :	1.6
$S_{M1}$ :	0.106	$I_e$ :	1
$S_{DS}$ :	0.085	$C_v$ :	0.7



**Data Accessed:** Thu Dec 18 2025

**Date Source:**

**USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.**

## Ice

---

### Results:

Ice Thickness:	1.50 in.
Concurrent Temperature:	-5 F
Gust Speed	40 mph

**Data Source:** Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

**Date Accessed:** Thu Dec 18 2025

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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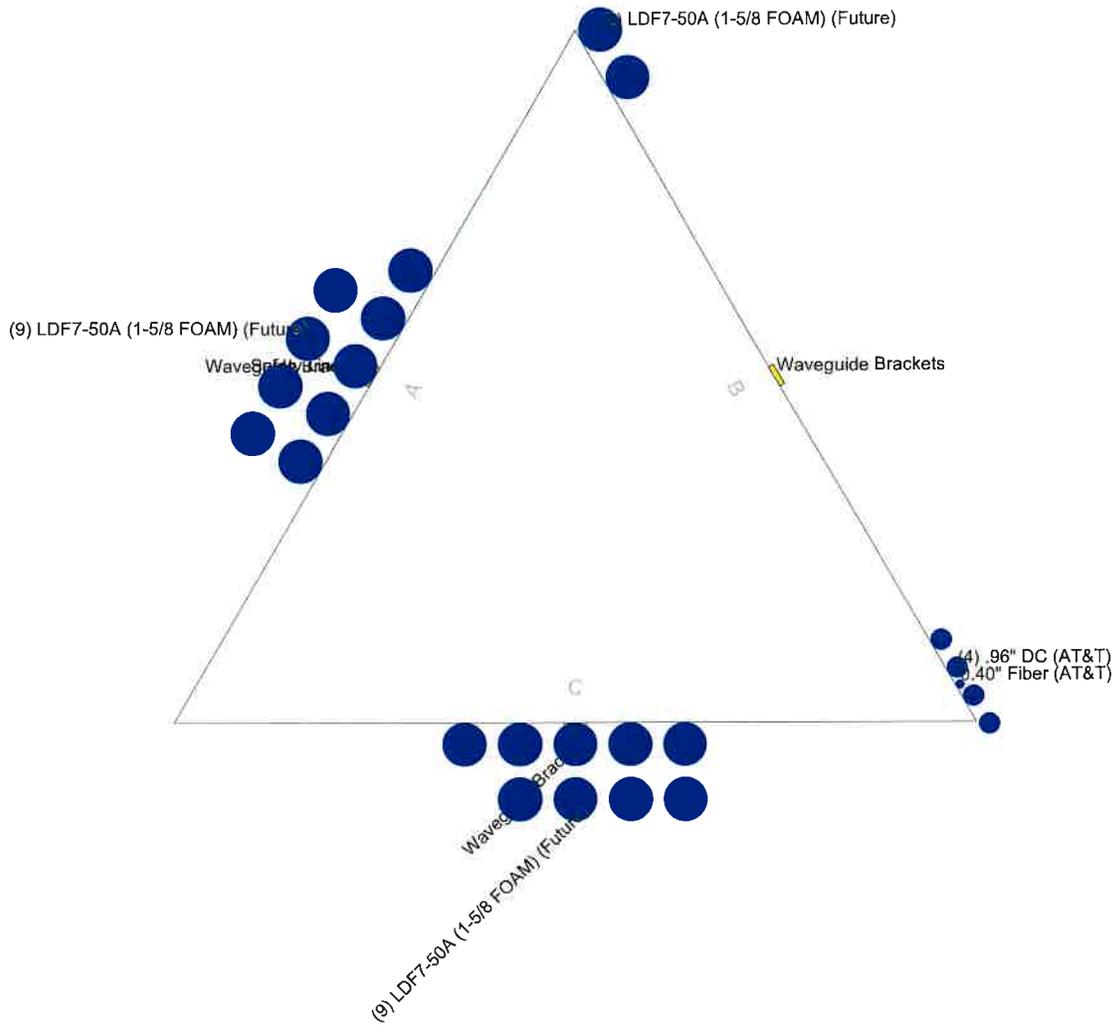
The ASCE Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE Hazard Tool.

# Feed Line Plan

— Round   
 — Flat   
 — App In Face   
 — App Out Face



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Dallas, TX 75243			Client: <b>Tillman Infrastructure</b>	Drawn by: <b>MShakib</b>	App'd:
Phone: (972) 231-8893			Code: <b>TIA-222-H</b>	Date: <b>12/19/25</b>	Scale: <b>NTS</b>
FAX: (866) 364-8375			Path:		Dwg No. <b>E-7</b>

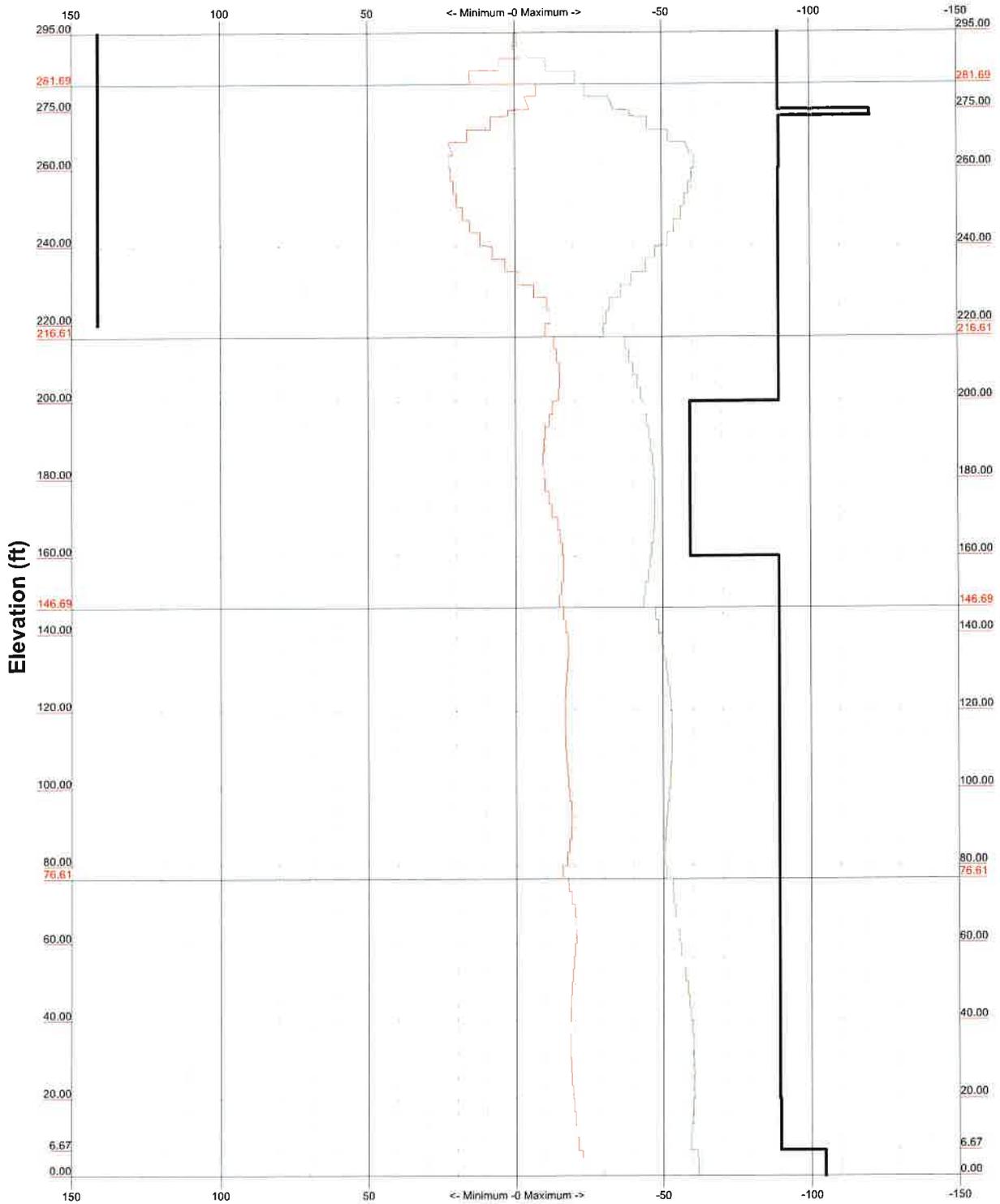




TIA-222-H - 111 mph/40 mph 1.5000 in Ice Exposure C

Leg Capacity ———

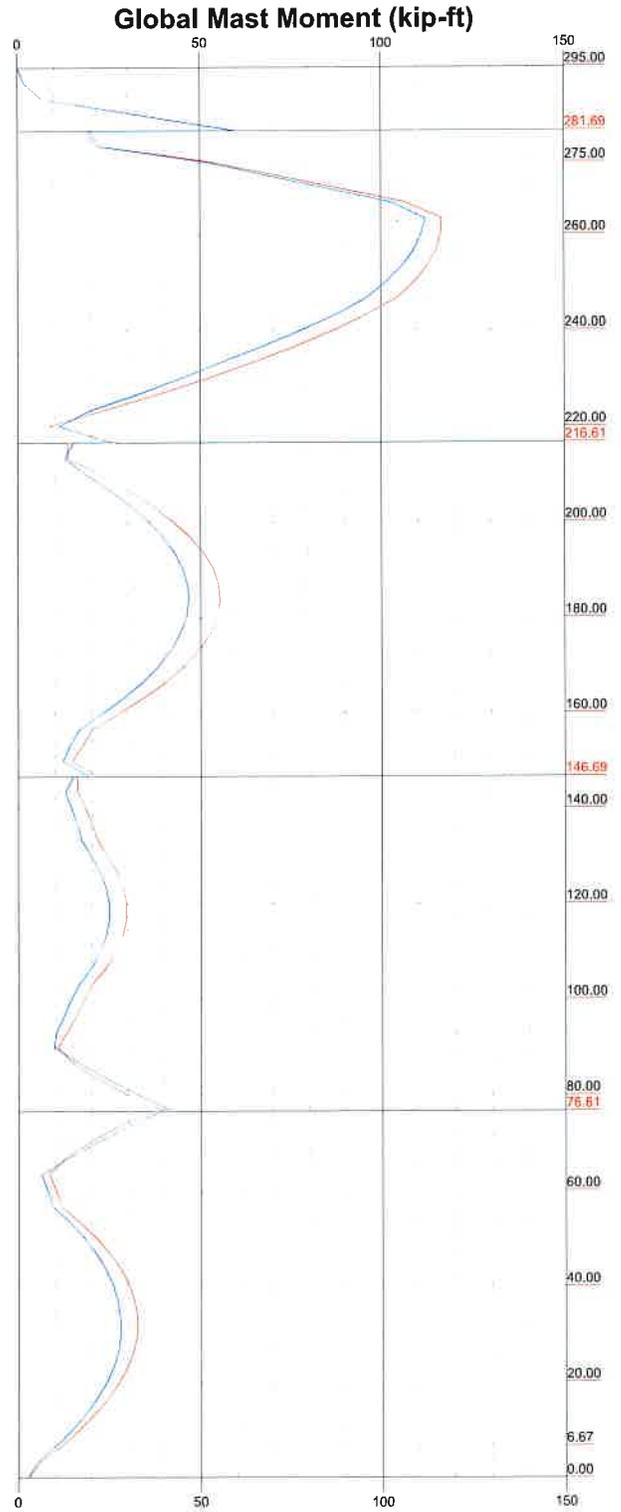
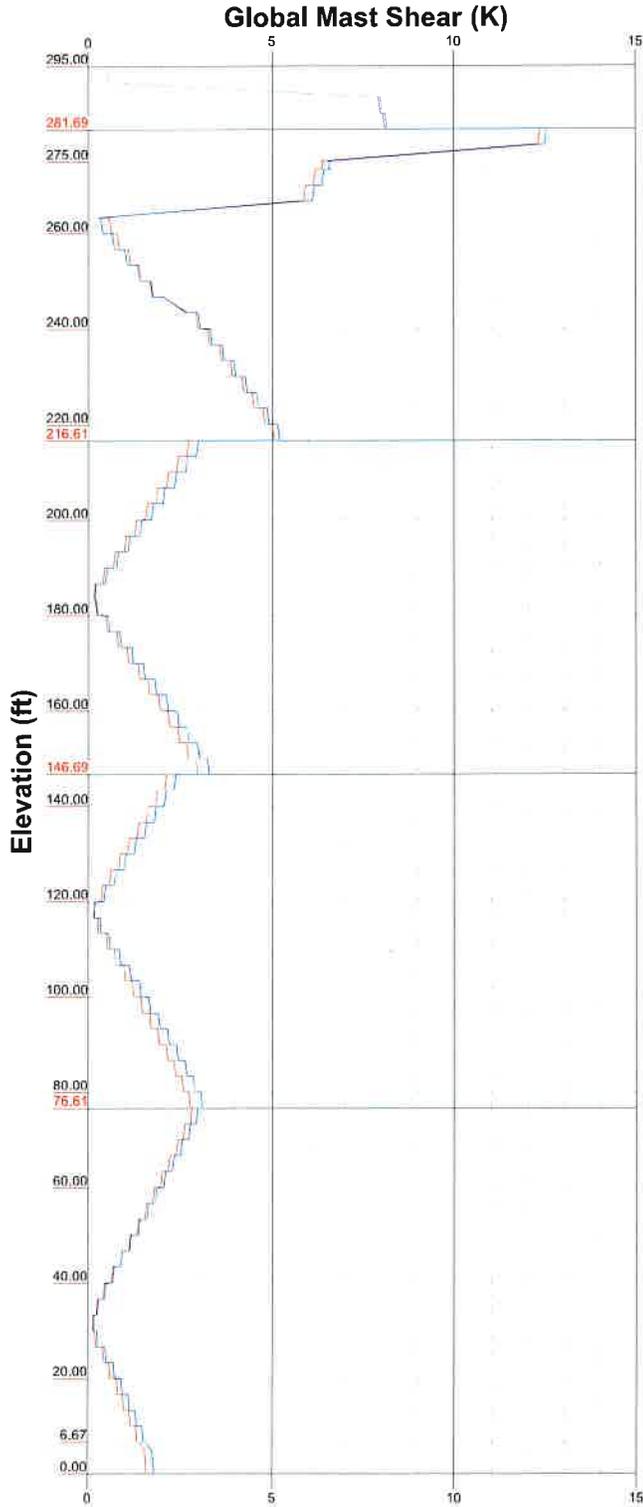
Leg Compression (K)



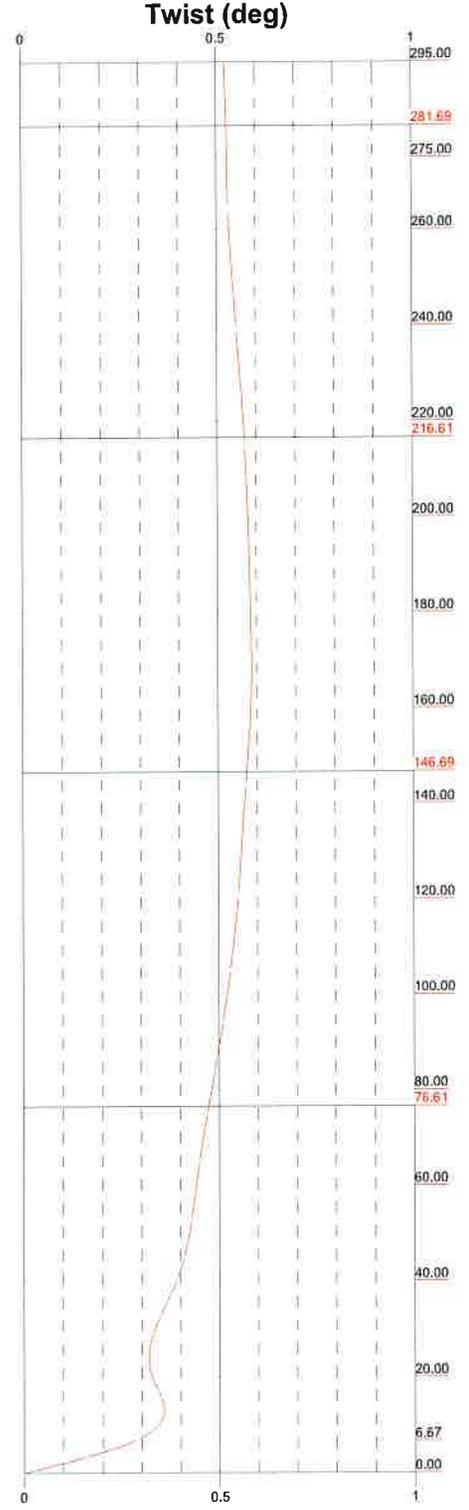
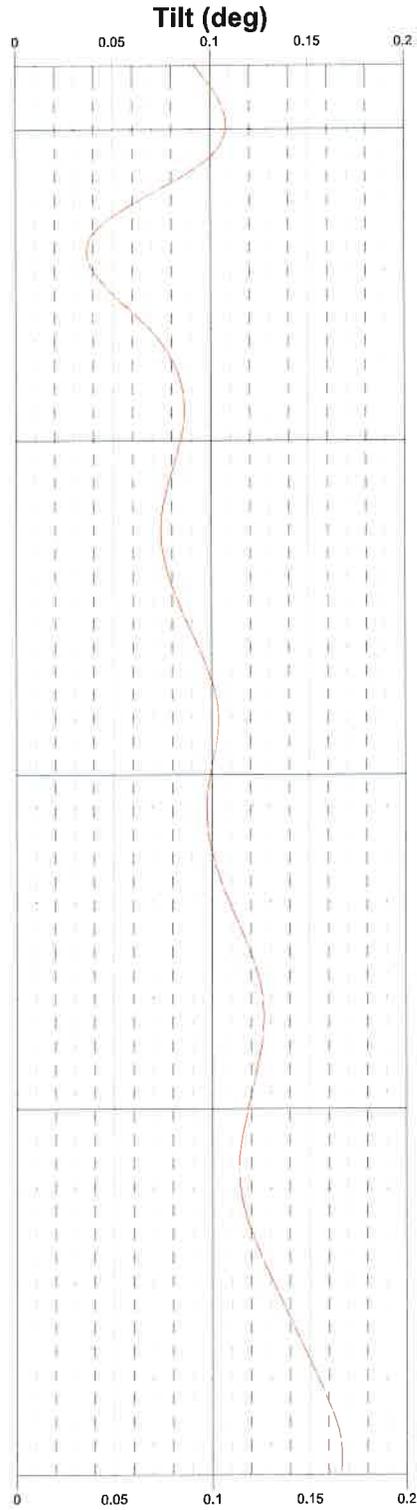
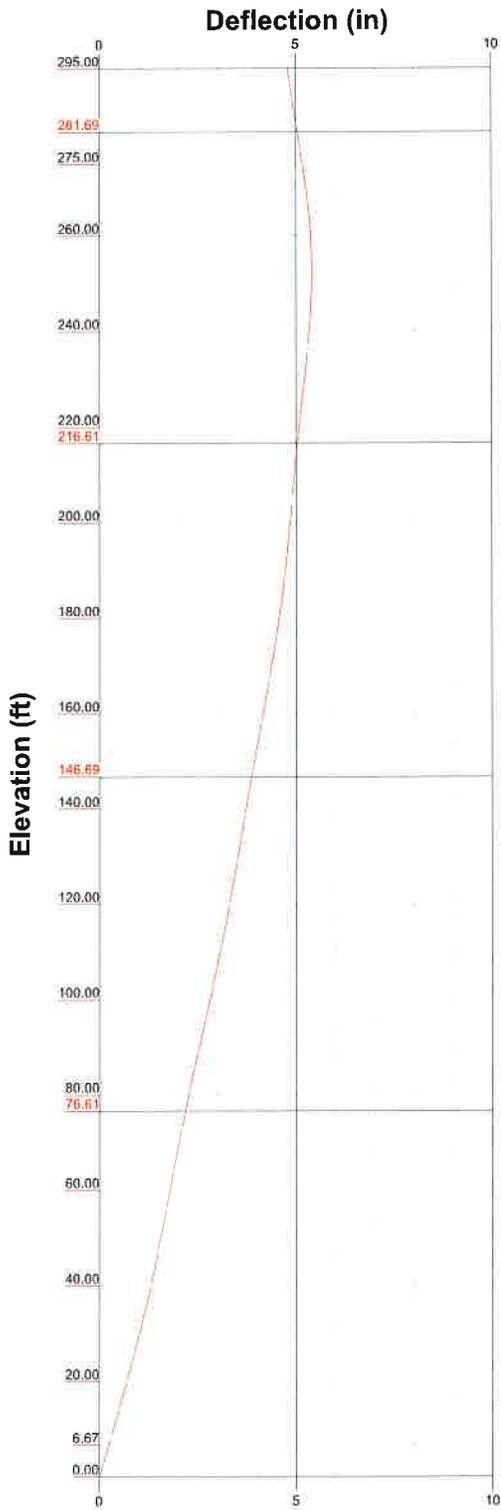
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Dallas, TX 75243			
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FAX: (866) 364-8375			
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Project:	TI-OPP-17466 AT&T		
Client:	Tillman Infrastructure	Drawn by:	MShakib
Code:	TIA-222-H	Date:	12/19/25
Path:		Scale:	NTS
		Dwg No.:	E-3

Vx Vz

Mx Mz



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Phone: (972) 231-8893			Code: <b>TIA-222-H</b>	Date: <b>12/19/25</b>	Scale: <b>NTS</b>
FAX: (866) 364-8375			Path:		Dwg No. <b>E-4</b>

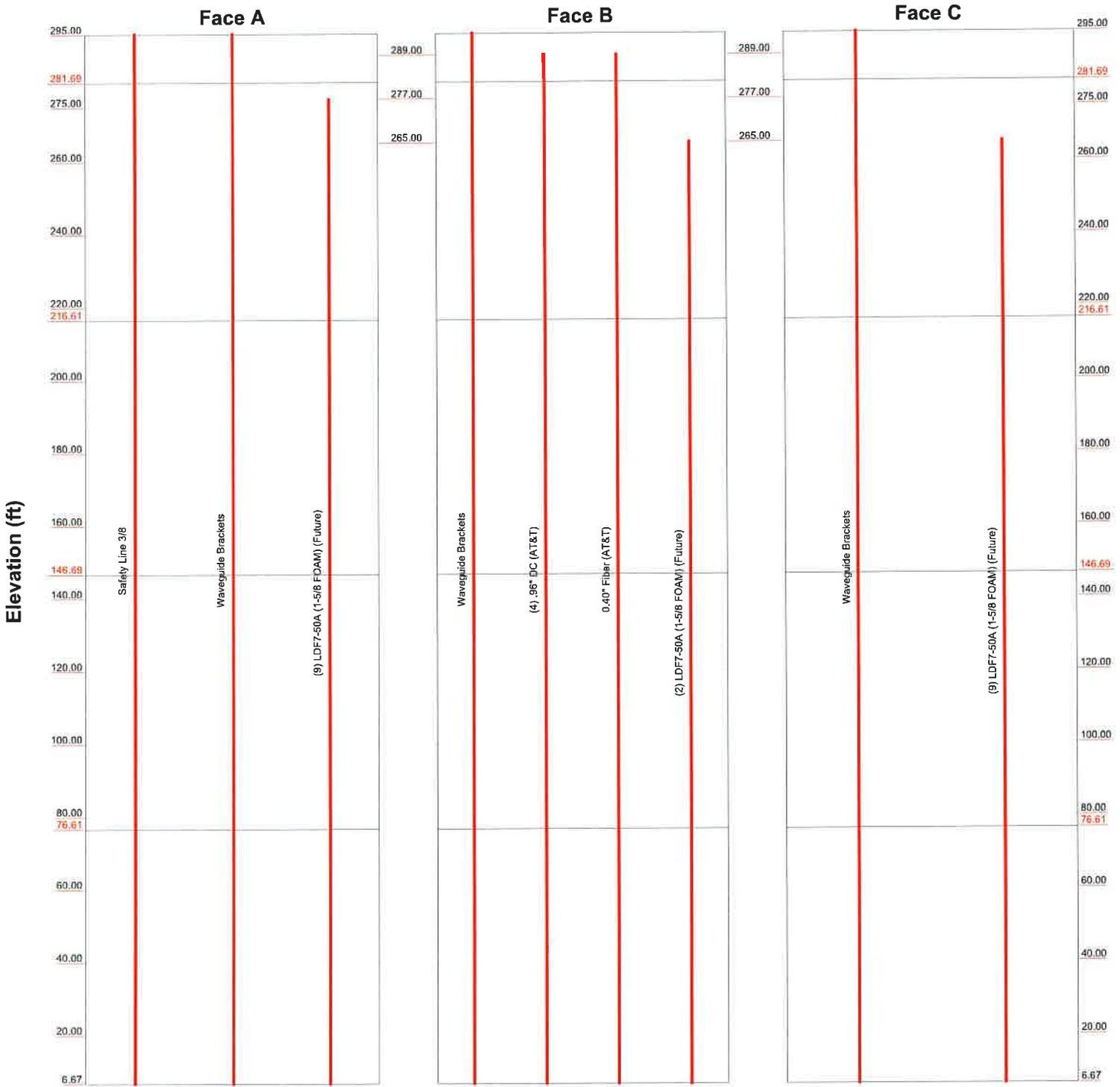


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Dallas, TX 75243			
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FAX: (866) 364-8375			
Job: <b>25-9571</b>	Project: <b>TI-OPP-17466 AT&amp;T</b>	Client: <b>Tillman Infrastructure</b>	Drawn by: <b>MShakib</b>
Code: <b>TIA-222-H</b>	Date: <b>12/19/25</b>	Scale: <b>NTS</b>	App'd:
Path:		Dwg No: <b>E-5</b>	

# Feed Line Distribution Chart

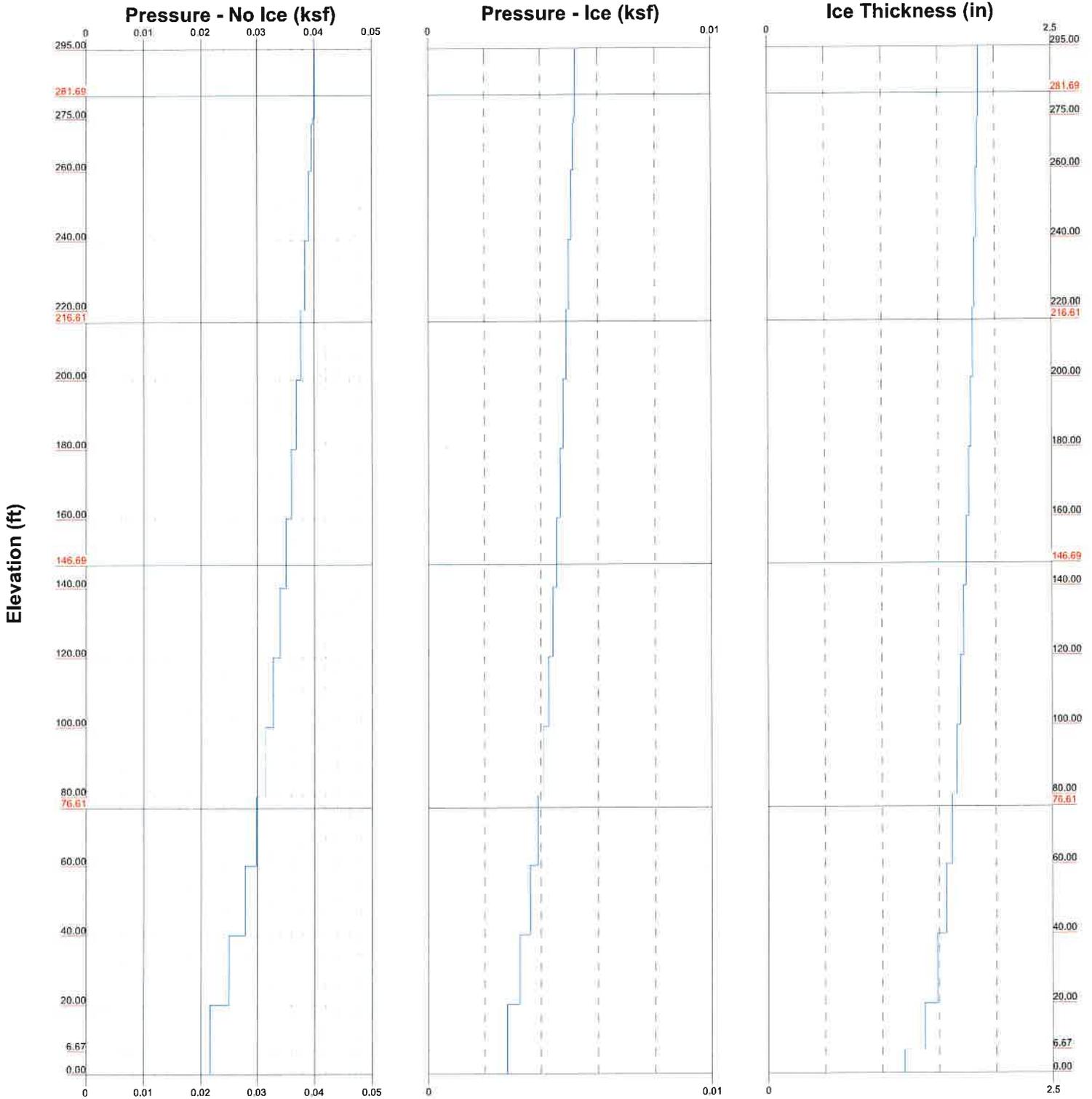
## 6'8-1/32" - 295'

— Round   
 — Flat   
 — App In Face   
 — App Out Face   
 — Truss Leg



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Dallas, TX 75243			Client: <b>Tillman Infrastructure</b>	Drawn by: <b>MShakib</b>	App'd:
Phone: (972) 231-8893			Code: <b>TIA-222-H</b>	Date: <b>12/19/25</b>	Scale: <b>NTS</b>
FAX: (866) 364-8375			Path:		Dwg No. <b>E-7</b>

**Wind Pressures and Ice Thickness**  
**TIA-222-H - 111 mph/40 mph 1.5000 in Ice Exposure C**



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Dallas, TX 75243			Client: <b>Tillman Infrastructure</b>	Drawn by: <b>MShakib</b>	App'd:
Phone: (972) 231-8893			Code: <b>TIA-222-H</b>	Date: <b>12/19/25</b>	Scale: <b>NTS</b>
FAX: (866) 364-8375			Path:		
			Dwg No. <b>E-9</b>		

<p style="text-align: center;"><b>tnxTower</b></p> <p><b>Allpro Consulting Group, Inc.</b> 9221 Lyndon B. Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: (972) 231-8893 FAX: (866) 364-8375</p>	<b>Job</b> 25-9571	<b>Page</b> 1 of 36
	<b>Project</b> TI-OPP-17466 AT&T	<b>Date</b> 12:00:10 12/19/25
	<b>Client</b> Tillman Infrastructure	<b>Designed by</b> MShakib

## Tower Input Data

The main tower is a 3x guyed tower with an overall height of 295.00 ft above the ground line.

The base of the tower is set at an elevation of 0.00 ft above the ground line.

The face width of the tower is 3.00 ft at the top and tapered at the base.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower is located in Washington Parish, Louisiana.

Tower base elevation above sea level: 1448.70 ft.

Basic wind speed of 111 mph.

Risk Category II.

Exposure Category C.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.00 ft.

Nominal ice thickness of 1.5000 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

A wind speed of 40 mph is used in combination with ice.

Temperature drop of 5 °F.

Deflections calculated using a wind speed of 60 mph.

Pressures are calculated at each section.

Stress ratio used in tower member design is 1.

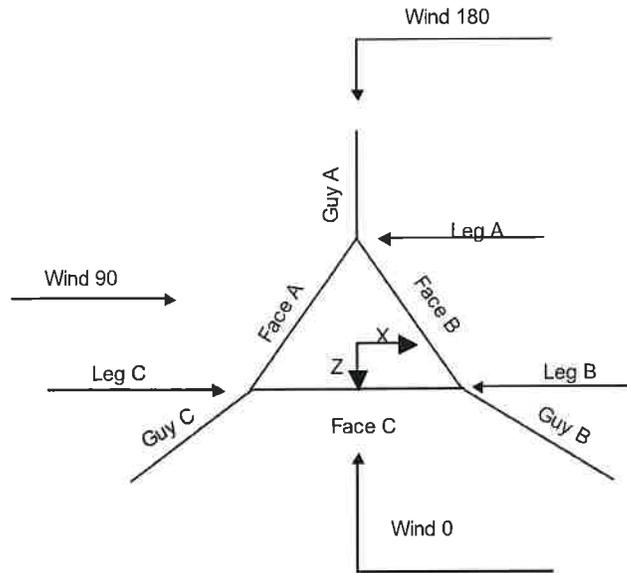
Safety factor used in guy design is 1.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

## Options

- |  |   |   |
|--|---|---|
| <ul style="list-style-type: none"> <li>Consider Moments - Legs</li> <li>Consider Moments - Horizontals</li> <li>Consider Moments - Diagonals</li> <li>Use Moment Magnification</li> <li>√ Use Code Stress Ratios</li> <li>Use Code Safety Factors - Guys</li> <li>Escalate Ice</li> <li>Always Use Max Kz</li> <li>Kz In Exposure D Hurricane Region</li> <li>√ Include Bolts In Member Capacity</li> <li>Leg Bolts Are At Top Of Section</li> <li>√ Secondary Horizontal Braces Leg</li> <li>Use Diamond Inner Bracing (4 Sided)</li> <li>√ SR Members Have Cut Ends</li> <li>√ SR Members Are Concentric</li> <li>Distribute Leg Loads As Uniform</li> <li>Use Special Wind Profile</li> </ul> | <ul style="list-style-type: none"> <li>Assume Legs Pinned</li> <li>√ Assume Rigid Index Plate</li> <li>√ Use Clear Spans For Wind Area</li> <li>√ Use Clear Spans For KL/r</li> <li>√ Retension Guys To Initial Tension</li> <li>Bypass Mast Stability Checks</li> <li>√ Use Azimuth Dish Coefficients</li> <li>√ Project Wind Area of Appurtenances</li> <li>Alternative Appurt. EPA Calculation</li> <li>√ Autocalc Torque Arm Areas</li> <li>Add IBC .6D+W Combination</li> <li>Sort Capacity Reports By Component</li> <li>Triangulate Diamond Inner Bracing</li> <li>Treat Feed Line Bundles As Cylinder</li> <li>Ignore KL/ry For 60 Deg. Angle Legs</li> <li>Use ASCE 10 X-Bracc Ly Rules</li> </ul> | <ul style="list-style-type: none"> <li>√ Calculate Redundant Bracing Forces</li> <li>Ignore Redundant Members in FEA</li> <li>√ SR Leg Bolts Resist Compression</li> <li>√ All Leg Panels Have Same Allowable</li> <li>Offset Girt At Foundation</li> <li>√ Consider Feed Line Torque</li> <li>√ Include Angle Block Shear Check</li> <li>Use TIA-222-H Bracing Resist. Exemption</li> <li>Use TIA-222-H Tension Splice Exemption</li> </ul> <p style="text-align: center;"><b>Poles</b></p> <ul style="list-style-type: none"> <li>Include Shear-Torsion Interaction</li> <li>Always Use Sub-Critical Flow</li> <li>Use Top Mounted Sockets</li> <li>Pole Without Linear Attachments</li> <li>Pole With Shroud Or No Appurtenances</li> <li>Outside and Inside Corner Radii Are Known</li> </ul> |
|--|---|---|

<b>tnxTower</b>  <b>Allpro Consulting Group, Inc.</b> 9221 Lyndon B. Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: (972) 231-8893 FAX: (866) 364-8375	<b>Job</b> 25-9571	<b>Page</b> 2 of 36
	<b>Project</b> TI-OPP-17466 AT&T	<b>Date</b> 12:00:10 12/19/25
	<b>Client</b> Tillman Infrastructure	<b>Designed by</b> MShakib



**Corner & Starmount Guyed Tower**

**Tower Section Geometry**

<i>Tower Section</i>	<i>Tower Elevation</i>	<i>Assembly Database</i>	<i>Description</i>	<i>Section Width</i>	<i>Number of Sections</i>	<i>Section Length</i>
	<i>ft</i>			<i>ft</i>		<i>ft</i>
T1	295.00-275.00			3.00	1	20.00
T2	275.00-273.33			3.00	1	1.67
T3	273.33-260.00			3.00	1	13.33
T4	260.00-240.00			3.00	1	20.00
T5	240.00-220.00			3.00	1	20.00
T6	220.00-200.00			3.00	1	20.00
T7	200.00-180.00			3.00	1	20.00
T8	180.00-160.00			3.00	1	20.00
T9	160.00-140.00			3.00	1	20.00
T10	140.00-120.00			3.00	1	20.00
T11	120.00-100.00			3.00	1	20.00
T12	100.00-80.00			3.00	1	20.00
T13	80.00-60.00			3.00	1	20.00
T14	60.00-40.00			3.00	1	20.00
T15	40.00-20.00			3.00	1	20.00
T16	20.00-6.67			3.00	1	13.33
T17	6.67-0.00			3.00	1	6.67

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	<b>Project</b> TI-OPP-17466 AT&T	<b>Date</b> 12:00:10 12/19/25
	<b>Client</b> Tillman Infrastructure	<b>Designed by</b> MShakib

### Tower Section Geometry (cont'd)

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	ft	ft				in	in
T1	295.00-275.00	3.31	K Brace Right	No	Yes+Steps	1.0000	1.0000
T2	275.00-273.33	1.50	K Brace Lcft	No	Yes+Steps	1.0000	1.0000
T3	273.33-260.00	3.29	K Brace Lcft	No	Yes+Steps	1.0000	1.0000
T4	260.00-240.00	3.31	K Brace Left	No	Yes+Steps	1.0000	1.0000
T5	240.00-220.00	3.31	K Brace Left	No	Yes+Steps	1.0000	1.0000
T6	220.00-200.00	3.31	K Brace Left	No	Yes+Steps	1.0000	1.0000
T7	200.00-180.00	3.31	K Brace Left	No	Yes+Steps	1.0000	1.0000
T8	180.00-160.00	3.31	K Brace Left	No	Yes+Steps	1.0000	1.0000
T9	160.00-140.00	3.31	K Brace Left	No	Yes+Steps	1.0000	1.0000
T10	140.00-120.00	3.31	K Brace Left	No	Yes+Steps	1.0000	1.0000
T11	120.00-100.00	3.31	K Brace Left	No	Yes+Steps	1.0000	1.0000
T12	100.00-80.00	3.31	K Brace Left	No	Yes+Steps	1.0000	1.0000
T13	80.00-60.00	3.31	K Brace Left	No	Yes+Steps	1.0000	1.0000
T14	60.00-40.00	3.31	K Brace Left	No	Yes+Steps	1.0000	1.0000
T15	40.00-20.00	3.31	K Brace Left	No	Yes+Steps	1.0000	1.0000
T16	20.00-6.67	3.29	K Brace Left	No	Yes+Steps	1.0000	1.0000
T17	6.67-0.00	1.63	X Brace	No	Yes	1.0000	1.0000

### Tower Section Geometry (cont'd)

Tower Elevation	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
ft						
T1 295.00-275.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	1 1/4	A36 (36 ksi)
T2 275.00-273.33	Solid Round	2	A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T3 273.33-260.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T4 260.00-240.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	7/8	A36 (36 ksi)
T5 240.00-220.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T6 220.00-200.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T7 200.00-180.00	Solid Round	1 3/4	A572-50 (50 ksi)	Solid Round	7/8	A36 (36 ksi)
T8 180.00-160.00	Solid Round	1 3/4	A572-50 (50 ksi)	Solid Round	7/8	A36 (36 ksi)
T9 160.00-140.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	7/8	A36 (36 ksi)
T10 140.00-120.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	7/8	A36 (36 ksi)
T11 120.00-100.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	7/8	A36 (36 ksi)
T12 100.00-80.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	7/8	A36 (36 ksi)
T13 80.00-60.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	7/8	A36 (36 ksi)
T14 60.00-40.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	7/8	A36 (36 ksi)
T15 40.00-20.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	7/8	A36 (36 ksi)
T16 20.00-6.67	Solid Round	2	A572-50	Solid Round	7/8	A36

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Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T17 6.67-0.00	Solid Round	2	(50 ksi) A572-50 (50 ksi)	Solid Round		(36 ksi) A36 (36 ksi)

### Tower Section Geometry (cont'd)

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 295.00-275.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T2 275.00-273.33	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T3 273.33-260.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T4 260.00-240.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T5 240.00-220.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T6 220.00-200.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T7 200.00-180.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T8 180.00-160.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T9 160.00-140.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T10 140.00-120.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T11 120.00-100.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T12 100.00-80.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T13 80.00-60.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T14 60.00-40.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T15 40.00-20.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T16 20.00-6.67	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T17 6.67-0.00	Flat Bar	12 x 3/8	A36 (36 ksi)	Flat Bar	12 x 3/8	A36 (36 ksi)

### Tower Section Geometry (cont'd)

Tower Elevation ft	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
T1 295.00-275.00	None	Solid Round		A36	Solid Round	3/4	A36

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Tower Elevation ft	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
T2 275.00-273.33	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T3 273.33-260.00	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T4 260.00-240.00	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T5 240.00-220.00	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T6 220.00-200.00	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T7 200.00-180.00	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T8 180.00-160.00	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T9 160.00-140.00	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T10 140.00-120.00	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T11 120.00-100.00	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T12 100.00-80.00	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T13 80.00-60.00	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T14 60.00-40.00	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T15 40.00-20.00	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T16 20.00-6.67	None	Solid Round		(36 ksi) A36	Solid Round	3/4	(36 ksi) A36
T17 6.67-0.00	None	Solid Round		(36 ksi) A36	Flat Bar	9x3/8	(36 ksi) A36

### Tower Section Geometry (cont'd)

Tower Elevation ft	Gusset Area (per face) ft <sup>2</sup>	Gusset Thickness in	Gusset Grade	Adjust. Factor A <sub>f</sub>	Adjust. Factor A <sub>r</sub>	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
T1 295.00-275.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T2 275.00-273.33	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T3 273.33-260.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T4 260.00-240.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T5 240.00-220.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T6 220.00-200.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000
T7 200.00-180.00	0.00	0.0000	A36 (36 ksi)	1	1	1.05	36.0000	36.0000	36.0000





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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 295.00-275.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T2 275.00-273.33	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T3 273.33-260.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T4 260.00-240.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T5 240.00-220.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T6 220.00-200.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T7 200.00-180.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)

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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T8 180.00-160.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T9 160.00-140.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T10 140.00-120.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T11 120.00-100.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T12 100.00-80.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T13 80.00-60.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T14 60.00-40.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)

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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T15 40.00-20.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)		
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)		
T16 20.00-6.67	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)		
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)		
T17 6.67-0.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)		
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)		
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)

### Guy Data

Guy Elevation ft	Guy Grade	Guy Size	Initial Tension K	%	Guy Modulus ksi	Guy Weight plf	L <sub>n</sub> ft	Anchor Radius ft	Anchor Azimuth Adj. °	Anchor Elevation ft	End Fitting Efficiency %
281.694	EHS	A 7/8" Sabre	7.97	10%	24000	1.610	377.08	255.00	0.0000	2.00	100%
		B 7/8" Sabrc	7.97	10%	24000	1.610	382.30	255.00	0.0000	-5.00	100%
		C 7/8" Sabre	7.97	10%	24000	1.610	381.55	255.00	0.0000	-4.00	100%
216.611	EHS	A 1/2" Sabre	2.69	10%	20000	0.525	331.70	255.00	0.0000	2.00	100%
		B 1/2" Sabrc	2.69	10%	20000	0.525	336.26	255.00	0.0000	-5.00	100%
		C 1/2" Sabre	2.69	10%	20000	0.525	335.60	255.00	0.0000	-4.00	100%
146.694	EHS	A 3/8" Sabre	1.54	10%	21000	0.270	291.45	255.00	0.0000	2.00	100%
		B 3/8" Sabrc	1.54	10%	21000	0.270	294.98	255.00	0.0000	-5.00	100%
		C 3/8" Sabre	1.54	10%	21000	0.270	294.47	255.00	0.0000	-4.00	100%
76.6111	EHS	A 7/16" Sabre	2.08	10%	21000	0.388	263.82	255.00	0.0000	2.00	100%
		B 7/16" Sabrc	2.08	10%	21000	0.388	265.89	255.00	0.0000	-5.00	100%
		C 7/16" Sabre	2.08	10%	21000	0.388	265.58	255.00	0.0000	-4.00	100%

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**Guy Data(cont'd)**

Guy Elevation ft	Mount Type	Torque-Arm Spread ft	Torque-Arm Leg Angle °	Torque-Arm Style	Torque-Arm Grade	Torque-Arm Type	Torque-Arm Size
281.694	Corner						
216.611	Corner						
146.694	Corner						
76.6111	Corner						

**Guy Data (cont'd)**

Guy Elevation ft	Diagonal Grade	Diagonal Type	Upper Diagonal Size	Lower Diagonal Size	Is Strap	Pull-Off Grade	Pull-Off Type	Pull-Off Size
281.69	A572-50 (50 ksi)	Solid Round			No	A36 (36 ksi)	Flat Bar	3 x3/8
216.61	A572-50 (50 ksi)	Solid Round			No	A36 (36 ksi)	Flat Bar	3 x3/8
146.69	A572-50 (50 ksi)	Solid Round			No	A36 (36 ksi)	Flat Bar	3 x3/8
76.61	A572-50 (50 ksi)	Solid Round			No	A36 (36 ksi)	Flat Bar	3 x3/8

**Guy Data (cont'd)**

Guy Elevation ft	Cable Weight A K	Cable Weight B K	Cable Weight C K	Cable Weight D K	Tower Intercept A ft	Tower Intercept B ft	Tower Intercept C ft	Tower Intercept D ft
281.694	0.61	0.62	0.61		13.98	14.36	14.31	
216.611	0.17	0.18	0.18		6.5 sec/pulse 10.53	6.5 sec/pulse 10.81	6.5 sec/pulse 10.77	
146.694	0.08	0.08	0.08		5.6 sec/pulse 7.36	5.7 sec/pulse 7.54	5.7 sec/pulse 7.51	
76.6111	0.10	0.10	0.10		4.7 sec/pulse 6.45	4.7 sec/pulse 6.55	4.7 sec/pulse 6.54	
					4.4 sec/pulse	4.4 sec/pulse	4.4 sec/pulse	

**Guy Data (cont'd)**

Guy Elevation ft	Calc K Single Angles	Calc K Solid Rounds	Torque Arm		Pull Off		Diagonal	
			K <sub>x</sub>	K <sub>y</sub>	K <sub>x</sub>	K <sub>y</sub>	K <sub>x</sub>	K <sub>y</sub>
281.694	No	No						

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Guy Elevation ft	Calc K Single Angles	Calc K Solid Rounds	Torque Arm		Pull Off		Diagonal	
			K <sub>x</sub>	K <sub>y</sub>	K <sub>x</sub>	K <sub>y</sub>	K <sub>x</sub>	K <sub>y</sub>
216.611	No	No						
146.694	No	No						
76.6111	No	No						

### Guy Data (cont'd)

Guy Elevation ft	Torque-Arm				Pull Off				Diagonal			
	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U
281.694	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
216.611	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
146.694	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
76.6111	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75

### Guy Pressures

Guy Elevation ft	Guy Location	= ft	q- ksf	q- Ice ksf	Ice Thickness in
281.694	A	141.85	0	0	1.7355
	B	138.35	0	0	1.7312
	C	138.85	0	0	1.7318
216.611	A	109.31	0	0	1.6908
	B	105.81	0	0	1.6854
	C	106.31	0	0	1.6861
146.694	A	74.35	0	0	1.6269
	B	70.85	0	0	1.6191
	C	71.35	0	0	1.6202
76.6111	A	39.31	0	0	1.5265
	B	35.81	0	0	1.5123
	C	36.31	0	0	1.5144

### Guy-Tensioning Information

Temperature At Time Of Tensioning																	
Guy Elevation ft	H ft	V ft	0 F		20 F		40 F		60 F		80 F		100 F		120 F		
			Initial Tension K	Intercept ft													
281.694	A	253.27	279.69	9.568	11.69	9.019	12.39	8.486	13.15	7.970	13.98	7.475	14.88	7.003	15.86	6.557	16.90
	B	253.27	286.69	9.524	12.07	8.990	12.77	8.472	13.53	7.970	14.36	7.488	15.26	7.028	16.23	6.592	17.27
	C	253.27	285.69	9.530	12.01	8.994	12.71	8.473	13.48	7.970	14.31	7.486	15.21	7.024	16.18	6.587	17.22
216.611	A	253.27	214.61	3.279	8.67	3.077	9.22	2.881	9.84	2.690	10.53	2.506	11.29	2.330	12.12	2.163	13.03
	B	253.27	221.61	3.263	8.94	3.067	9.51	2.876	10.13	2.690	10.81	2.511	11.57	2.340	12.40	2.177	13.30
	C	253.27	220.61	3.265	8.90	3.068	9.46	2.876	10.09	2.690	10.77	2.510	11.53	2.338	12.36	2.175	13.26

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Temperature At Time Of Tensioning																	
Guy Elevation	H	V	0 F		20 F		40 F		60 F		80 F		100 F		120 F		
			Initial Tension K	Intercept ft													
146.694	A	253.27	144.69	2.002	5.68	1.844	6.16	1.689	6.72	1.540	7.36	1.397	8.11	1.262	8.96	1.137	9.93
	B	253.27	151.69	1.991	5.84	1.836	6.33	1.686	6.89	1.540	7.54	1.400	8.28	1.268	9.13	1.145	10.09
	C	253.27	150.69	1.992	5.82	1.838	6.31	1.686	6.87	1.540	7.51	1.400	8.25	1.267	9.10	1.144	10.07
76.6111	A	253.27	74.61	2.845	4.72	2.581	5.21	2.325	5.78	2.080	6.45	1.849	7.25	1.637	8.19	1.447	9.26
	B	253.27	81.61	2.833	4.82	2.573	5.30	2.321	5.87	2.080	6.55	1.853	7.35	1.643	8.28	1.455	9.34
	C	253.27	80.61	2.835	4.80	2.574	5.29	2.322	5.86	2.080	6.54	1.852	7.34	1.642	8.27	1.453	9.33

### Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
Safety Line 3/8 *****	A	No	No	Ar (CaAa)	295.00 - 0.00	0.0000	0	1	1	0.3750	0.3750		0.22
Waveguide Brackets	A	No	No	Af (CaAa)	295.00 - 0.00	0.0000	0	1	1	0.5000	1.0000		4.20
Waveguide Brackets	B	No	No	Af (CaAa)	295.00 - 0.00	0.0000	0	1	1	0.5000	1.0000		4.20
Waveguide Brackets *****	C	No	No	Af (CaAa)	295.00 - 0.00	0.0000	0	1	1	0.5000	1.0000		4.20
.96" DC (AT&T)	B	No	No	Ar (CaAa)	289.00 - 0.00	0.0000	0.45	4	4	0.5000	0.9600		0.58
0.40" Fiber (AT&T) *****	B	No	No	Ar (CaAa)	289.00 - 0.00	0.0000	0.45	1	1	0.5000	0.4000		0.24
LDF7-50A (1-5/8 FOAM) (Future)	A	No	No	Ar (CaAa)	277.00 - 0.00	0.0000	0	9	5	0.5000	1.9800		0.82
LDF7-50A (1-5/8 FOAM) (Future)	C	No	No	Ar (CaAa)	265.00 - 0.00	0.0000	0	9	5	0.5000	1.9800		0.82
LDF7-50A (1-5/8 FOAM) (Future)	B	No	No	Ar (CaAa)	265.00 - 0.00	0.0000	-0.45	2	2	0.5000	1.9800		0.82

### Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A <sub>R</sub> ft <sup>2</sup>	A <sub>F</sub> ft <sup>2</sup>	C <sub>A,A</sub> In Face ft <sup>2</sup>	C <sub>A,A</sub> Out Face ft <sup>2</sup>	Weight K
T1	295.00-275.00	A	0.000	0.000	7.647	0.000	0.10
		B	0.000	0.000	9.269	0.000	0.12
		C	0.000	0.000	3.333	0.000	0.08
T2	275.00-273.33	A	0.000	0.000	3.311	0.000	0.02
		B	0.000	0.000	0.985	0.000	0.01
		C	0.000	0.000	0.278	0.000	0.01
T3	273.33-260.00	A	0.000	0.000	26.482	0.000	0.16
		B	0.000	0.000	9.855	0.000	0.10
		C	0.000	0.000	11.132	0.000	0.09

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Tower Section	Tower Elevation ft	Face	$A_R$ ft <sup>2</sup>	$A_F$ ft <sup>2</sup>	$C_A A_A$ In Face ft <sup>2</sup>	$C_A A_A$ Out Face ft <sup>2</sup>	Weight K
T4	260.00-240.00	A	0.000	0.000	39.723	0.000	0.24
		B	0.000	0.000	19.733	0.000	0.17
		C	0.000	0.000	38.973	0.000	0.23
T5	240.00-220.00	A	0.000	0.000	39.723	0.000	0.24
		B	0.000	0.000	19.733	0.000	0.17
		C	0.000	0.000	38.973	0.000	0.23
T6	220.00-200.00	A	0.000	0.000	39.723	0.000	0.24
		B	0.000	0.000	19.733	0.000	0.17
		C	0.000	0.000	38.973	0.000	0.23
T7	200.00-180.00	A	0.000	0.000	39.723	0.000	0.24
		B	0.000	0.000	19.733	0.000	0.17
		C	0.000	0.000	38.973	0.000	0.23
T8	180.00-160.00	A	0.000	0.000	39.723	0.000	0.24
		B	0.000	0.000	19.733	0.000	0.17
		C	0.000	0.000	38.973	0.000	0.23
T9	160.00-140.00	A	0.000	0.000	39.723	0.000	0.24
		B	0.000	0.000	19.733	0.000	0.17
		C	0.000	0.000	38.973	0.000	0.23
T10	140.00-120.00	A	0.000	0.000	39.723	0.000	0.24
		B	0.000	0.000	19.733	0.000	0.17
		C	0.000	0.000	38.973	0.000	0.23
T11	120.00-100.00	A	0.000	0.000	39.723	0.000	0.24
		B	0.000	0.000	19.733	0.000	0.17
		C	0.000	0.000	38.973	0.000	0.23
T12	100.00-80.00	A	0.000	0.000	39.723	0.000	0.24
		B	0.000	0.000	19.733	0.000	0.17
		C	0.000	0.000	38.973	0.000	0.23
T13	80.00-60.00	A	0.000	0.000	39.723	0.000	0.24
		B	0.000	0.000	19.733	0.000	0.17
		C	0.000	0.000	38.973	0.000	0.23
T14	60.00-40.00	A	0.000	0.000	39.723	0.000	0.24
		B	0.000	0.000	19.733	0.000	0.17
		C	0.000	0.000	38.973	0.000	0.23
T15	40.00-20.00	A	0.000	0.000	39.723	0.000	0.24
		B	0.000	0.000	19.733	0.000	0.17
		C	0.000	0.000	38.973	0.000	0.23
T16	20.00-6.67	A	0.000	0.000	26.482	0.000	0.16
		B	0.000	0.000	13.155	0.000	0.11
		C	0.000	0.000	25.982	0.000	0.15
T17	6.67-0.00	A	0.000	0.000	13.242	0.000	0.08
		B	0.000	0.000	6.578	0.000	0.06
		C	0.000	0.000	12.992	0.000	0.08

### Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	$A_R$ ft <sup>2</sup>	$A_F$ ft <sup>2</sup>	$C_A A_A$ In Face ft <sup>2</sup>	$C_A A_A$ Out Face ft <sup>2</sup>	Weight K
T1	295.00-275.00	A	1.861	0.000	0.000	23.379	0.000	0.41
		B		0.000	0.000	34.397	0.000	0.52
		C		0.000	0.000	10.777	0.000	0.22
T2	275.00-273.33	A	1.854	0.000	0.000	5.247	0.000	0.09
		B		0.000	0.000	3.702	0.000	0.05
		C		0.000	0.000	0.896	0.000	0.02
T3	273.33-260.00	A	1.849	0.000	0.000	41.916	0.000	0.75
		B		0.000	0.000	35.770	0.000	0.50
		C		0.000	0.000	18.152	0.000	0.35
T4	260.00-240.00	A	1.837	0.000	0.000	62.700	0.000	1.13

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Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	$A_R$ ft <sup>2</sup>	$A_F$ ft <sup>2</sup>	$C_A A_A$ In Face ft <sup>2</sup>	$C_A A_A$ Out Face ft <sup>2</sup>	Weight K
		B		0.000	0.000	68.926	0.000	0.93
		C		0.000	0.000	54.603	0.000	1.02
T5	240.00-220.00	A	1.821	0.000	0.000	62.475	0.000	1.12
		B		0.000	0.000	68.595	0.000	0.92
		C		0.000	0.000	54.439	0.000	1.01
T6	220.00-200.00	A	1.805	0.000	0.000	62.232	0.000	1.11
		B		0.000	0.000	68.238	0.000	0.91
		C		0.000	0.000	54.262	0.000	1.01
T7	200.00-180.00	A	1.787	0.000	0.000	61.967	0.000	1.10
		B		0.000	0.000	67.848	0.000	0.90
		C		0.000	0.000	54.069	0.000	1.00
T8	180.00-160.00	A	1.767	0.000	0.000	61.676	0.000	1.09
		B		0.000	0.000	67.419	0.000	0.89
		C		0.000	0.000	53.857	0.000	0.99
T9	160.00-140.00	A	1.745	0.000	0.000	61.352	0.000	1.08
		B		0.000	0.000	66.943	0.000	0.87
		C		0.000	0.000	53.621	0.000	0.98
T10	140.00-120.00	A	1.720	0.000	0.000	60.986	0.000	1.06
		B		0.000	0.000	66.406	0.000	0.86
		C		0.000	0.000	53.355	0.000	0.97
T11	120.00-100.00	A	1.692	0.000	0.000	60.566	0.000	1.05
		B		0.000	0.000	65.788	0.000	0.84
		C		0.000	0.000	53.049	0.000	0.96
T12	100.00-80.00	A	1.658	0.000	0.000	60.071	0.000	1.03
		B		0.000	0.000	65.061	0.000	0.83
		C		0.000	0.000	52.688	0.000	0.94
T13	80.00-60.00	A	1.617	0.000	0.000	59.465	0.000	1.01
		B		0.000	0.000	64.170	0.000	0.80
		C		0.000	0.000	52.247	0.000	0.93
T14	60.00-40.00	A	1.564	0.000	0.000	58.678	0.000	0.98
		B		0.000	0.000	63.013	0.000	0.77
		C		0.000	0.000	51.673	0.000	0.90
T15	40.00-20.00	A	1.486	0.000	0.000	57.532	0.000	0.94
		B		0.000	0.000	61.331	0.000	0.73
		C		0.000	0.000	50.839	0.000	0.87
T16	20.00-6.67	A	1.370	0.000	0.000	37.220	0.000	0.59
		B		0.000	0.000	39.222	0.000	0.45
		C		0.000	0.000	33.066	0.000	0.55
T17	6.67-0.00	A	1.193	0.000	0.000	17.743	0.000	0.27
		B		0.000	0.000	18.340	0.000	0.20
		C		0.000	0.000	15.903	0.000	0.25

### Feed Line Center of Pressure

Section	Elevation ft	$CP_x$ in	$CP_z$ in	$CP_x$ Ice in	$CP_z$ Ice in
T1	295.00-275.00	1.2672	0.4028	1.0834	0.5817
T2	275.00-273.33	-1.2332	-1.4215	0.0586	-0.0336
T3	273.33-260.00	-1.0677	-1.5199	0.2644	-0.3180
T4	260.00-240.00	-0.7242	-1.4321	0.3021	-0.5943
T5	240.00-220.00	-0.7196	-1.4225	0.2977	-0.5950
T6	220.00-200.00	-0.7197	-1.4238	0.2955	-0.6011
T7	200.00-180.00	-0.7391	-1.4636	0.2980	-0.6180
T8	180.00-160.00	-0.7391	-1.4636	0.2944	-0.6240
T9	160.00-140.00	-0.7243	-1.4334	0.2868	-0.6231
T10	140.00-120.00	-0.7242	-1.4321	0.2817	-0.6297

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Section	Elevation	CP <sub>x</sub>	CP <sub>z</sub>	CP <sub>x</sub>	CP <sub>z</sub>
	ft	in	in	Ice in	Ice in
T11	120.00-100.00	-0.7242	-1.4321	0.2761	-0.6386
T12	100.00-80.00	-0.7242	-1.4321	0.2693	-0.6493
T13	80.00-60.00	-0.7243	-1.4334	0.2609	-0.6637
T14	60.00-40.00	-0.7242	-1.4321	0.2484	-0.6804
T15	40.00-20.00	-0.7242	-1.4321	0.2293	-0.7070
T16	20.00-6.67	-0.7227	-1.4290	0.1958	-0.7427
T17	6.67-0.00	-0.2904	-0.6454	0.0023	-0.0650

### Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K <sub>a</sub> No Ice	K <sub>a</sub> Ice
T1	1	Safety Line 3/8	275.00 - 295.00	0.6000	0.4700
T1	3	Waveguide Brackets	275.00 - 295.00	0.6000	0.4700
T1	4	Waveguide Brackets	275.00 - 295.00	0.6000	0.4700
T1	5	Waveguide Brackets	275.00 - 295.00	0.6000	0.4700
T1	7	.96" DC	275.00 - 289.00	0.6000	0.4700
T1	8	0.40" Fiber	275.00 - 289.00	0.6000	0.4700
T1	10	LDF7-50A (1-5/8 FOAM)	275.00 - 277.00	0.6000	0.4700
T2	1	Safety Line 3/8	273.33 - 275.00	0.6000	0.1485
T2	3	Waveguide Brackets	273.33 - 275.00	0.6000	0.1485
T2	4	Waveguide Brackets	273.33 - 275.00	0.6000	0.1485
T2	5	Waveguide Brackets	273.33 - 275.00	0.6000	0.1485
T2	7	.96" DC	273.33 - 275.00	0.6000	0.1485
T2	8	0.40" Fiber	273.33 - 275.00	0.6000	0.1485
T2	10	LDF7-50A (1-5/8 FOAM)	273.33 - 275.00	0.6000	0.1485
T3	1	Safety Line 3/8	260.00 - 273.33	0.6000	0.4713
T3	3	Waveguide Brackets	260.00 - 273.33	0.6000	0.4713
T3	4	Waveguide Brackets	260.00 - 273.33	0.6000	0.4713
T3	5	Waveguide Brackets	260.00 - 273.33	0.6000	0.4713
T3	7	.96" DC	260.00 - 273.33	0.6000	0.4713
T3	8	0.40" Fiber	260.00 - 273.33	0.6000	0.4713
T3	10	LDF7-50A (1-5/8 FOAM)	260.00 - 273.33	0.6000	0.4713
T3	11	LDF7-50A (1-5/8 FOAM)	260.00 -	0.6000	0.4713

<p><b>tnxTower</b></p> <p><b>Allpro Consulting Group, Inc.</b>  9221 Lyndon B. Johnson Freeway, Suite  204  Dallas, TX 75243  Phone: (972) 231-8893  FAX: (866) 364-8375</p>	<b>Job</b> 25-9571	<b>Page</b> 17 of 36
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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	$K_a$ No Ice	$K_a$ Ice
			265.00		
T3	12	LDF7-50A (1-5/8 FOAM)	260.00 - 265.00	0.6000	0.4713
T4	1	Safety Line 3/8	240.00 - 260.00	0.6000	0.4844
T4	3	Waveguide Brackets	240.00 - 260.00	0.6000	0.4844
T4	4	Waveguide Brackets	240.00 - 260.00	0.6000	0.4844
T4	5	Waveguide Brackets	240.00 - 260.00	0.6000	0.4844
T4	7	.96" DC	240.00 - 260.00	0.6000	0.4844
T4	8	0.40" Fiber	240.00 - 260.00	0.6000	0.4844
T4	10	LDF7-50A (1-5/8 FOAM)	240.00 - 260.00	0.6000	0.4844
T4	11	LDF7-50A (1-5/8 FOAM)	240.00 - 260.00	0.6000	0.4844
T4	12	LDF7-50A (1-5/8 FOAM)	240.00 - 260.00	0.6000	0.4844
T5	1	Safety Line 3/8	220.00 - 240.00	0.6000	0.4834
T5	3	Waveguide Brackets	220.00 - 240.00	0.6000	0.4834
T5	4	Waveguide Brackets	220.00 - 240.00	0.6000	0.4834
T5	5	Waveguide Brackets	220.00 - 240.00	0.6000	0.4834
T5	7	.96" DC	220.00 - 240.00	0.6000	0.4834
T5	8	0.40" Fiber	220.00 - 240.00	0.6000	0.4834
T5	10	LDF7-50A (1-5/8 FOAM)	220.00 - 240.00	0.6000	0.4834
T5	11	LDF7-50A (1-5/8 FOAM)	220.00 - 240.00	0.6000	0.4834
T5	12	LDF7-50A (1-5/8 FOAM)	220.00 - 240.00	0.6000	0.4834
T6	1	Safety Line 3/8	200.00 - 220.00	0.6000	0.4876
T6	3	Waveguide Brackets	200.00 - 220.00	0.6000	0.4876
T6	4	Waveguide Brackets	200.00 - 220.00	0.6000	0.4876
T6	5	Waveguide Brackets	200.00 - 220.00	0.6000	0.4876
T6	7	.96" DC	200.00 - 220.00	0.6000	0.4876
T6	8	0.40" Fiber	200.00 - 220.00	0.6000	0.4876
T6	10	LDF7-50A (1-5/8 FOAM)	200.00 - 220.00	0.6000	0.4876
T6	11	LDF7-50A (1-5/8 FOAM)	200.00 - 220.00	0.6000	0.4876
T6	12	LDF7-50A (1-5/8 FOAM)	200.00 - 220.00	0.6000	0.4876
T7	1	Safety Line 3/8	180.00 - 200.00	0.6000	0.5006
T7	3	Waveguide Brackets	180.00 - 200.00	0.6000	0.5006
T7	4	Waveguide Brackets	180.00 - 200.00	0.6000	0.5006

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	$K_a$ No Ice	$K_a$ Ice
			200.00		
T7	5	Waveguide Brackets	180.00 -	0.6000	0.5006
			200.00		
T7	7	.96" DC	180.00 -	0.6000	0.5006
			200.00		
T7	8	0.40" Fiber	180.00 -	0.6000	0.5006
			200.00		
T7	10	LDF7-50A (1-5/8 FOAM)	180.00 -	0.6000	0.5006
			200.00		
T7	11	LDF7-50A (1-5/8 FOAM)	180.00 -	0.6000	0.5006
			200.00		
T7	12	LDF7-50A (1-5/8 FOAM)	180.00 -	0.6000	0.5006
			200.00		
T8	1	Safety Line 3/8	160.00 -	0.6000	0.5043
			180.00		
T8	3	Waveguide Brackets	160.00 -	0.6000	0.5043
			180.00		
T8	4	Waveguide Brackets	160.00 -	0.6000	0.5043
			180.00		
T8	5	Waveguide Brackets	160.00 -	0.6000	0.5043
			180.00		
T8	7	.96" DC	160.00 -	0.6000	0.5043
			180.00		
T8	8	0.40" Fiber	160.00 -	0.6000	0.5043
			180.00		
T8	10	LDF7-50A (1-5/8 FOAM)	160.00 -	0.6000	0.5043
			180.00		
T8	11	LDF7-50A (1-5/8 FOAM)	160.00 -	0.6000	0.5043
			180.00		
T8	12	LDF7-50A (1-5/8 FOAM)	160.00 -	0.6000	0.5043
			180.00		
T9	1	Safety Line 3/8	140.00 -	0.6000	0.5022
			160.00		
T9	3	Waveguide Brackets	140.00 -	0.6000	0.5022
			160.00		
T9	4	Waveguide Brackets	140.00 -	0.6000	0.5022
			160.00		
T9	5	Waveguide Brackets	140.00 -	0.6000	0.5022
			160.00		
T9	7	.96" DC	140.00 -	0.6000	0.5022
			160.00		
T9	8	0.40" Fiber	140.00 -	0.6000	0.5022
			160.00		
T9	10	LDF7-50A (1-5/8 FOAM)	140.00 -	0.6000	0.5022
			160.00		
T9	11	LDF7-50A (1-5/8 FOAM)	140.00 -	0.6000	0.5022
			160.00		
T9	12	LDF7-50A (1-5/8 FOAM)	140.00 -	0.6000	0.5022
			160.00		
T10	1	Safety Line 3/8	120.00 -	0.6000	0.5054
			140.00		
T10	3	Waveguide Brackets	120.00 -	0.6000	0.5054
			140.00		
T10	4	Waveguide Brackets	120.00 -	0.6000	0.5054
			140.00		
T10	5	Waveguide Brackets	120.00 -	0.6000	0.5054
			140.00		
T10	7	.96" DC	120.00 -	0.6000	0.5054
			140.00		
T10	8	0.40" Fiber	120.00 -	0.6000	0.5054
			140.00		
T10	10	LDF7-50A (1-5/8 FOAM)	120.00 -	0.6000	0.5054

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	$K_a$ No Ice	$K_a$ Ice
			140.00		
T10	11	LDF7-50A (1-5/8 FOAM)	120.00 - 140.00	0.6000	0.5054
T10	12	LDF7-50A (1-5/8 FOAM)	120.00 - 140.00	0.6000	0.5054
T11	1	Safety Line 3/8	100.00 - 120.00	0.6000	0.5106
T11	3	Waveguide Brackets	100.00 - 120.00	0.6000	0.5106
T11	4	Waveguide Brackets	100.00 - 120.00	0.6000	0.5106
T11	5	Waveguide Brackets	100.00 - 120.00	0.6000	0.5106
T11	7	.96" DC	100.00 - 120.00	0.6000	0.5106
T11	8	0.40" Fiber	100.00 - 120.00	0.6000	0.5106
T11	10	LDF7-50A (1-5/8 FOAM)	100.00 - 120.00	0.6000	0.5106
T11	11	LDF7-50A (1-5/8 FOAM)	100.00 - 120.00	0.6000	0.5106
T11	12	LDF7-50A (1-5/8 FOAM)	100.00 - 120.00	0.6000	0.5106
T12	1	Safety Line 3/8	80.00 - 100.00	0.6000	0.5167
T12	3	Waveguide Brackets	80.00 - 100.00	0.6000	0.5167
T12	4	Waveguide Brackets	80.00 - 100.00	0.6000	0.5167
T12	5	Waveguide Brackets	80.00 - 100.00	0.6000	0.5167
T12	7	.96" DC	80.00 - 100.00	0.6000	0.5167
T12	8	0.40" Fiber	80.00 - 100.00	0.6000	0.5167
T12	10	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.5167
T12	11	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.5167
T12	12	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.5167
T13	1	Safety Line 3/8	60.00 - 80.00	0.6000	0.5255
T13	3	Waveguide Brackets	60.00 - 80.00	0.6000	0.5255
T13	4	Waveguide Brackets	60.00 - 80.00	0.6000	0.5255
T13	5	Waveguide Brackets	60.00 - 80.00	0.6000	0.5255
T13	7	.96" DC	60.00 - 80.00	0.6000	0.5255
T13	8	0.40" Fiber	60.00 - 80.00	0.6000	0.5255
T13	10	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.5255
T13	11	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.5255
T13	12	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.5255
T14	1	Safety Line 3/8	40.00 - 60.00	0.6000	0.5341
T14	3	Waveguide Brackets	40.00 - 60.00	0.6000	0.5341
T14	4	Waveguide Brackets	40.00 - 60.00	0.6000	0.5341
T14	5	Waveguide Brackets	40.00 - 60.00	0.6000	0.5341
T14	7	.96" DC	40.00 - 60.00	0.6000	0.5341
T14	8	0.40" Fiber	40.00 - 60.00	0.6000	0.5341
T14	10	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.5341
T14	11	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.5341
T14	12	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.5341
T15	1	Safety Line 3/8	20.00 - 40.00	0.6000	0.5485
T15	3	Waveguide Brackets	20.00 - 40.00	0.6000	0.5485
T15	4	Waveguide Brackets	20.00 - 40.00	0.6000	0.5485
T15	5	Waveguide Brackets	20.00 - 40.00	0.6000	0.5485
T15	7	.96" DC	20.00 - 40.00	0.6000	0.5485
T15	8	0.40" Fiber	20.00 - 40.00	0.6000	0.5485
T15	10	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.5485
T15	11	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.5485
T15	12	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.5485
T16	1	Safety Line 3/8	6.67 - 20.00	0.6000	0.5643
T16	3	Waveguide Brackets	6.67 - 20.00	0.6000	0.5643
T16	4	Waveguide Brackets	6.67 - 20.00	0.6000	0.5643

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	$K_n$ No Ice	$K_n$ Ice
T16	5	Waveguide Brackets	6.67 - 20.00	0.6000	0.5643
T16	7	.96" DC	6.67 - 20.00	0.6000	0.5643
T16	8	0.40" Fiber	6.67 - 20.00	0.6000	0.5643
T16	10	LDF7-50A (1-5/8 FOAM)	6.67 - 20.00	0.6000	0.5643
T16	11	LDF7-50A (1-5/8 FOAM)	6.67 - 20.00	0.6000	0.5643
T16	12	LDF7-50A (1-5/8 FOAM)	6.67 - 20.00	0.6000	0.5643
T17	1	Safety Line 3/8	0.00 - 6.67	0.2736	0.0253
T17	3	Waveguide Brackets	0.00 - 6.67	0.2736	0.0253
T17	4	Waveguide Brackets	0.00 - 6.67	0.2736	0.0253
T17	5	Waveguide Brackets	0.00 - 6.67	0.2736	0.0253
T17	7	.96" DC	0.00 - 6.67	0.2736	0.0253
T17	8	0.40" Fiber	0.00 - 6.67	0.2736	0.0253
T17	10	LDF7-50A (1-5/8 FOAM)	0.00 - 6.67	0.2736	0.0253
T17	11	LDF7-50A (1-5/8 FOAM)	0.00 - 6.67	0.2736	0.0253
T17	12	LDF7-50A (1-5/8 FOAM)	0.00 - 6.67	0.2736	0.0253

### User Defined Loads - Seismic

Description	Elevation	Offset From Centroid	Azimuth Angle	$E_v$	$E_{hx}$	$E_{hz}$	$E_h$
	ft	ft	°	K	K	K	K
T1	295.00	0.00	0.0000	0.23	0.00	0.00	0.54
T2	275.00	0.00	0.0000	0.00	0.00	0.00	0.01
T3	273.33	0.00	0.0000	0.09	0.00	0.00	0.20
T4	260.00	0.00	0.0000	0.03	0.00	0.00	0.07
T5	240.00	0.00	0.0000	0.03	0.00	0.00	0.06
T6	220.00	0.00	0.0000	0.04	0.00	0.00	0.06
T7	200.00	0.00	0.0000	0.02	0.00	0.00	0.04
T8	180.00	0.00	0.0000	0.02	0.00	0.00	0.04
T9	160.00	0.00	0.0000	0.03	0.00	0.00	0.04
T10	140.00	0.00	0.0000	0.03	0.00	0.00	0.03
T11	120.00	0.00	0.0000	0.03	0.00	0.00	0.03
T12	100.00	0.00	0.0000	0.03	0.00	0.00	0.02
T13	80.00	0.00	0.0000	0.03	0.00	0.00	0.02
T14	60.00	0.00	0.0000	0.03	0.00	0.00	0.01
T15	40.00	0.00	0.0000	0.03	0.00	0.00	0.01
T16	20.00	0.00	0.0000	0.02	0.00	0.00	0.00
T17	6.67	0.00	0.0000	0.01	0.00	0.00	0.00

### Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	Placement	$C_s A_s$ Front	$C_s A_s$ Side	Weight	
			ft ft ft	°	ft	ft <sup>2</sup>	ft <sup>2</sup>	K	
Lightning Rod	A	None		0.0000	295.00	No Ice 1/2" Ice	0.25 0.66	0.25 0.66	0.03 0.03

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C <sub>A</sub> A <sub>A</sub> Front	C <sub>A</sub> A <sub>A</sub> Side	Weight	
			Horz	Vert						
			ft	ft	°	ft	ft <sup>2</sup>	ft <sup>2</sup>	K	
Beacon	B	None			0.0000	295.00	1" Ice	0.97	0.97	0.04
							2" Ice	1.89	1.89	0.03
							No Ice	2.00	2.00	0.02
							1/2" Ice	2.50	2.50	0.03
							1" Ice	3.00	3.00	0.04
							4.00	4.00	0.06	
*****										
Loadings (40K EPA) (AT&T)	A	None			0.0000	289.00	No Ice	277.80	277.80	6.00
							1/2" Ice	300.00	300.00	7.50
							1" Ice	322.20	322.20	9.00
							2" Ice	366.60	366.60	12.00
*****										
Loadings (30K EPA) (Future)	C	None			0.0000	277.00	No Ice	208.33	208.33	4.00
							1/2" Ice	225.00	225.00	5.00
							1" Ice	241.67	241.67	6.00
							2" Ice	275.00	275.01	8.00
Loadings (30K EPA) (Future)	C	None			0.0000	265.00	No Ice	208.33	208.33	4.00
							1/2" Ice	225.00	225.00	5.00
							1" Ice	241.67	241.67	6.00
							2" Ice	275.00	275.01	8.00
6' x 2" Mount Pipe (Future)	A	From Leg	0.50	0.0000	246.00	No Ice	1.43	1.43	0.02	
			0.00			1/2" Ice	1.92	1.92	0.03	
			0.00			1" Ice	2.29	2.29	0.05	
						2" Ice	3.06	3.06	0.09	
						No Ice	1.43	1.43	0.02	
6' x 2" Mount Pipe (Future)	B	From Leg	0.50	0.0000	246.00	No Ice	1.43	1.43	0.02	
			0.00			1/2" Ice	1.92	1.92	0.03	
			0.00			1" Ice	2.29	2.29	0.05	
						2" Ice	3.06	3.06	0.09	
						No Ice	1.43	1.43	0.02	

### Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets:		Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter	Aperture Area	Weight	
				Horz	Vert							
				ft	ft	°	"	ft	ft	ft <sup>2</sup>	K	
4ft MW Dish (Future)	A	Paraboloid w/Radome	From Lcg	1.00	0.0000			246.00	4.00	No Ice	12.57	0.10
				0.00						1/2" Ice	13.10	0.17
				0.00						1" Ice	13.62	0.23
										2" Ice	14.68	0.37
4ft MW Dish (Future)	B	Paraboloid w/Radome	From Leg	1.00	0.0000			246.00	4.00	No Ice	12.57	0.10
				0.00						1/2" Ice	13.10	0.17
				0.00						1" Ice	13.62	0.23
										2" Ice	14.68	0.37
****												

### Load Combinations

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Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice+1.0 Guy
3	1.2 Dead+1.0 Wind 30 deg - No Ice+1.0 Guy
4	1.2 Dead+1.0 Wind 60 deg - No Ice+1.0 Guy
5	1.2 Dead+1.0 Wind 90 deg - No Ice+1.0 Guy
6	1.2 Dead+1.0 Wind 120 deg - No Ice+1.0 Guy
7	1.2 Dead+1.0 Wind 150 deg - No Ice+1.0 Guy
8	1.2 Dead+1.0 Wind 180 deg - No Ice+1.0 Guy
9	1.2 Dead+1.0 Wind 210 deg - No Ice+1.0 Guy
10	1.2 Dead+1.0 Wind 240 deg - No Ice+1.0 Guy
11	1.2 Dead+1.0 Wind 270 deg - No Ice+1.0 Guy
12	1.2 Dead+1.0 Wind 300 deg - No Ice+1.0 Guy
13	1.2 Dead+1.0 Wind 330 deg - No Ice+1.0 Guy
14	1.2 Dead+1.0 Ice+1.0 Temp+Guy
15	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy
16	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy
17	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy
18	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy
19	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy
20	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy
21	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy
22	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy
23	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy
24	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy
25	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy
26	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy
27	Dead+Wind 0 deg - Service+Guy
28	Dead+Wind 30 deg - Service+Guy
29	Dead+Wind 60 deg - Service+Guy
30	Dead+Wind 90 deg - Service+Guy
31	Dead+Wind 120 deg - Service+Guy
32	Dead+Wind 150 deg - Service+Guy
33	Dead+Wind 180 deg - Service+Guy
34	Dead+Wind 210 deg - Service+Guy
35	Dead+Wind 240 deg - Service+Guy
36	Dead+Wind 270 deg - Service+Guy
37	Dead+Wind 300 deg - Service+Guy
38	Dead+Wind 330 deg - Service+Guy
39	1.2 Dead+1.0 Ev+1.0 Eh 0 deg+1.0 Guy
40	1.2 Dead+1.0 Ev+1.0 Eh 30 deg+1.0 Guy
41	1.2 Dead+1.0 Ev+1.0 Eh 60 deg+1.0 Guy
42	1.2 Dead+1.0 Ev+1.0 Eh 90 deg+1.0 Guy
43	1.2 Dead+1.0 Ev+1.0 Eh 120 deg+1.0 Guy
44	1.2 Dead+1.0 Ev+1.0 Eh 150 deg+1.0 Guy
45	1.2 Dead+1.0 Ev+1.0 Eh 180 deg+1.0 Guy
46	1.2 Dead+1.0 Ev+1.0 Eh 210 deg+1.0 Guy
47	1.2 Dead+1.0 Ev+1.0 Eh 240 deg+1.0 Guy
48	1.2 Dead+1.0 Ev+1.0 Eh 270 deg+1.0 Guy
49	1.2 Dead+1.0 Ev+1.0 Eh 300 deg+1.0 Guy
50	1.2 Dead+1.0 Ev+1.0 Eh 330 deg+1.0 Guy

### Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	295 - 275	4.799	27	0.0914	0.5205
T2	275 - 273.333	5.163	27	0.0950	0.5274
T3	273.333 - 260	5.196	27	0.0912	0.5259

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T4	260 - 240	5.377	27	0.0407	0.5337
T5	240 - 220	5.338	27	0.0704	0.5496
T6	220 - 200	5.075	27	0.0857	0.5650
T7	200 - 180	4.846	27	0.0734	0.5790
T8	180 - 160	4.565	27	0.0862	0.5868
T9	160 - 140	4.156	27	0.1050	0.5827
T10	140 - 120	3.718	27	0.0985	0.5695
T11	120 - 100	3.302	27	0.1081	0.5500
T12	100 - 80	2.810	27	0.1244	0.5205
T13	80 - 60	2.267	27	0.1222	0.4815
T14	60 - 40	1.800	27	0.1125	0.4395
T15	40 - 20	1.305	27	0.1309	0.3878
T16	20 - 6.667	0.700	27	0.1567	0.3282
T17	6.667 - 0	0.239	27	0.1677	0.2829

### Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
295.00	Lightning Rod	27	4.799	0.0914	0.5205	228310
289.00	Loadings (40K EPA)	27	4.905	0.0984	0.5259	190258
281.69	Guy	27	5.037	0.1018	0.5296	85795
277.00	Loadings (30K EPA)	27	5.125	0.0983	0.5288	121417
275.00	T2	27	5.163	0.0950	0.5274	86429
273.33	T3	27	5.196	0.0911	0.5259	28694
265.00	Loadings (30K EPA)	27	5.328	0.0596	0.5283	12725
260.00	T4	27	5.377	0.0407	0.5337	11498
246.00	4ft MW Dish	27	5.385	0.0456	0.5453	15066
240.00	T5	27	5.338	0.0704	0.5496	18503
220.00	T6	27	5.075	0.0857	0.5650	37247
216.61	Guy	27	5.032	0.0831	0.5667	39468
200.00	T7	27	4.846	0.0734	0.5790	68540
180.00	T8	27	4.565	0.0862	0.5868	29914
160.00	T9	27	4.156	0.1050	0.5827	254258
146.69	Guy	27	3.861	0.1010	0.5746	81157
140.00	T10	27	3.718	0.0985	0.5695	68464
120.00	T11	27	3.302	0.1081	0.5500	47471
100.00	T12	27	2.810	0.1244	0.5205	62673
80.00	T13	27	2.267	0.1222	0.4815	35256
76.61	Guy	27	2.183	0.1200	0.4741	39790
60.00	T14	27	1.800	0.1125	0.4395	117558
40.00	T15	27	1.305	0.1309	0.3878	38825
20.00	T16	27	0.700	0.1567	0.3282	45021
6.67	T17	27	0.239	0.1677	0.2830	127195

### Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	295 - 275	31.476	2	0.3613	0.9971

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T2	275 - 273.333	33.016	2	0.3729	1.0167
T3	273.333 - 260	33.152	2	0.3594	1.0179
T4	260 - 240	33.948	2	0.2802	1.0566
T5	240 - 220	33.939	2	0.3242	1.1273
T6	220 - 200	32.915	2	0.4331	1.1934
T7	200 - 180	31.707	2	0.4522	1.2641
T8	180 - 160	29.944	2	0.5705	1.3243
T9	160 - 140	27.343	2	0.6851	1.3444
T10	140 - 120	24.371	2	0.7076	1.3382
T11	120 - 100	21.321	2	0.7714	1.3209
T12	100 - 80	17.908	2	0.8422	1.2688
T13	80 - 60	14.301	2	0.8287	1.1835
T14	60 - 40	11.023	2	0.7791	1.0945
T15	40 - 20	7.703	2	0.8353	0.9773
T16	20 - 6.667	4.017	2	0.9228	0.8327
T17	6.667 - 0	1.358	2	0.9611	0.7198

### Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
295.00	Lightning Rod	2	31.476	0.3613	0.9971	63691
289.00	Loadings (40K EPA)	2	31.925	0.3856	1.0039	53076
281.69	Guy	2	32.483	0.3973	1.0113	23934
277.00	Loadings (30K EPA)	2	32.854	0.3848	1.0153	34263
275.00	T2	2	33.016	0.3729	1.0167	23679
273.33	T3	2	33.152	0.3593	1.0179	7763
265.00	Loadings (30K EPA)	2	33.720	0.2980	1.0382	3408
260.00	T4	2	33.948	0.2802	1.0566	3062
246.00	4ft MW Dish	2	34.084	0.2320	1.1066	3695
240.00	T5	2	33.939	0.3242	1.1273	4266
220.00	T6	2	32.915	0.4331	1.1934	15765
216.61	Guy	2	32.720	0.4346	1.2030	17597
200.00	T7	2	31.707	0.4522	1.2641	7981
180.00	T8	2	29.944	0.5705	1.3243	4906
160.00	T9	2	27.343	0.6851	1.3444	14442
146.69	Guy	2	25.376	0.7040	1.3416	24580
140.00	T10	2	24.371	0.7076	1.3382	26099
120.00	T11	2	21.321	0.7714	1.3209	10579
100.00	T12	2	17.908	0.8422	1.2688	16591
80.00	T13	2	14.301	0.8287	1.1835	8632
76.61	Guy	2	13.723	0.8167	1.1672	9524
60.00	T14	2	11.023	0.7791	1.0945	36777
40.00	T15	2	7.703	0.8353	0.9773	11603
20.00	T16	2	4.017	0.9228	0.8327	12921
6.67	T17	2	1.359	0.9613	0.7200	36068

### Guy Design Data

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Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual $T_u$ K	Allowable $\phi T_u$ K	Required S.F.	Actual S.F.
T1	281.69 (A) (636)	7/8" Sabre EHS	7.97	79.70	37.88	47.82	1.000	1.263 ✓
	281.69 (B) (635)	7/8" Sabre EHS	7.97	79.70	38.41	47.82	1.000	1.245 ✓
	281.69 (C) (634)	7/8" Sabre EHS	7.97	79.70	38.26	47.82	1.000	1.250 ✓
T6	216.61 (A) (639)	1/2" Sabre EHS	2.69	26.90	13.76	16.14	1.000	1.173 ✓
	216.61 (B) (638)	1/2" Sabre EHS	2.69	26.90	13.92	16.14	1.000	1.160 ✓
	216.61 (C) (637)	1/2" Sabre EHS	2.69	26.90	13.30	16.14	1.000	1.214 ✓
T9	146.69 (A) (642)	3/8" Sabre EHS	1.54	15.40	8.05	9.24	1.000	1.148 ✓
	146.69 (B) (641)	3/8" Sabre EHS	1.54	15.40	8.16	9.24	1.000	1.133 ✓
	146.69 (C) (640)	3/8" Sabre EHS	1.54	15.40	7.60	9.24	1.000	1.216 ✓
T13	76.61 (A) (645)	7/16" Sabre EHS	2.08	20.80	7.91	12.48	1.000	1.578 ✓
	76.61 (B) (644)	7/16" Sabre EHS	2.08	20.80	8.01	12.48	1.000	1.557 ✓
	76.61 (C) (643)	7/16" Sabre EHS	2.08	20.80	7.47	12.48	1.000	1.672 ✓

**Compression Checks**

**Leg Design Data (Compression)**

Section No.	Elevation ft	Size	L ft	$L_u$ ft	$Kl/r$	A in <sup>2</sup>	Mast Stability Index	$P_u$ K	$\phi P_u$ K	Ratio $\frac{P_u}{\phi P_u}$
T1	295 - 275	2	20.00	3.31	79.3 K=1.00	3.1416	1.00	-37.76	89.23	0.423 <sup>1</sup> ✓
T2	275 - 273.333	2	1.67	1.50	36.0 K=1.00	3.1416	0.97	-40.99	120.52	0.340 <sup>1</sup> ✓
T3	273.333 - 260	2	13.33	3.29	79.0 K=1.00	3.1416	1.00	-61.02	89.58	0.681 <sup>1</sup> ✓
T4	260 - 240	2	20.00	3.31	79.3 K=1.00	3.1416	1.00	-60.64	89.23	0.680 <sup>1</sup> ✓
T5	240 - 220	2	20.00	3.31	79.3 K=1.00	3.1416	1.00	-49.52	89.23	0.555 <sup>1</sup> ✓
T6	220 - 200	2	20.00	3.31	79.3 K=1.00	3.1416	1.00	-43.59	89.23	0.489 <sup>1</sup> ✓
T7	200 - 180	1 3/4	20.00	3.31	90.7 K=1.00	2.4053	1.00	-47.49	59.34	0.800 <sup>1</sup> ✓
T8	180 - 160	1 3/4	20.00	3.31	90.7 K=1.00	2.4053	1.00	-47.56	59.34	0.802 <sup>1</sup> ✓
T9	160 - 140	2	20.00	3.31	79.3 K=1.00	3.1416	1.00	-49.48	89.23	0.554 <sup>1</sup> ✓

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Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	Kl/r	A in <sup>2</sup>	Mast Stability Index	P <sub>u</sub> K	φP <sub>u</sub> K	Ratio P <sub>u</sub> / φP <sub>u</sub>
T10	140 - 120	2	20.00	3.31	79.3 K=1.00	3.1416	1.00	-53.16	89.23	0.596 <sup>1</sup>
T11	120 - 100	2	20.00	3.31	79.3 K=1.00	3.1416	1.00	-53.16	89.23	0.596 <sup>1</sup>
T12	100 - 80	2	20.00	3.31	79.3 K=1.00	3.1416	1.00	-52.59	89.23	0.589 <sup>1</sup>
T13	80 - 60	2	20.00	3.31	79.3 K=1.00	3.1416	1.00	-55.95	89.23	0.627 <sup>1</sup>
T14	60 - 40	2	20.00	3.31	79.3 K=1.00	3.1416	1.00	-59.88	89.23	0.671 <sup>1</sup>
T15	40 - 20	2	20.00	3.31	79.3 K=1.00	3.1416	1.00	-60.56	89.23	0.679 <sup>1</sup>
T16	20 - 6.667	2	13.33	3.29	79.0 K=1.00	3.1416	1.00	-60.56	89.58	0.676 <sup>1</sup>
T17	6.667 - 0	2	6.89	1.77	42.4 K=1.00	3.1416	1.00	-61.82	104.66	0.591 <sup>1</sup>

<sup>1</sup> P<sub>u</sub> / φP<sub>u</sub> controls

### Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>u</sub> K	Ratio P <sub>u</sub> / φP <sub>u</sub>
T1	295 - 275	1 1/4	4.46	4.22	113.3 K=0.70	1.2272	-12.23	20.22	0.605 <sup>1</sup>
T2	275 - 273.333	1	3.35	3.17	106.4 K=0.70	0.7854	-4.62	14.02	0.330 <sup>1</sup>
T3	273.333 - 260	1	4.45	4.21	141.3 K=0.70	0.7854	-6.18	8.88	0.696 <sup>1</sup>
T4	260 - 240	7/8	4.46	4.22	161.9 K=0.70	0.6013	-3.89	5.18	0.751 <sup>1</sup>
T5	240 - 220	1	4.46	4.22	141.7 K=0.70	0.7854	-5.61	8.84	0.635 <sup>1</sup>
T6	220 - 200	1	4.46	4.22	141.7 K=0.70	0.7854	-5.82	8.84	0.658 <sup>1</sup>
T7	200 - 180	7/8	4.46	4.25	163.1 K=0.70	0.6013	-1.67	5.11	0.326 <sup>1</sup>
T8	180 - 160	7/8	4.46	4.25	163.1 K=0.70	0.6013	-2.30	5.11	0.450 <sup>1</sup>
T9	160 - 140	7/8	4.46	4.22	161.9 K=0.70	0.6013	-3.21	5.18	0.619 <sup>1</sup>
T10	140 - 120	7/8	4.46	4.22	161.9 K=0.70	0.6013	-2.08	5.18	0.401 <sup>1</sup>
T11	120 - 100	7/8	4.46	4.22	161.9 K=0.70	0.6013	-1.55	5.18	0.299 <sup>1</sup>
T12	100 - 80	7/8	4.46	4.22	161.9 K=0.70	0.6013	-2.92	5.18	0.563 <sup>1</sup>
T13	80 - 60	7/8	4.46	4.22	161.9 K=0.70	0.6013	-3.65	5.18	0.705 <sup>1</sup>

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Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>u</sub> K	Ratio $\frac{P_u}{\phi P_u}$
T14	60 - 40	7/8	4.46	4.22	161.9 K=0.70	0.6013	-2.82	5.18	0.544 <sup>1</sup>
T15	40 - 20	7/8	4.46	4.22	161.9 K=0.70	0.6013	-1.65	5.18	0.319 <sup>1</sup>
T16	20 - 6.667	7/8	4.45	4.21	161.5 K=0.70	0.6013	-2.02	5.21	0.388 <sup>1</sup>

<sup>1</sup> P<sub>u</sub> / φP<sub>u</sub> controls

### Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>u</sub> K	Ratio $\frac{P_u}{\phi P_u}$
T1	295 - 275	3/4	3.00	2.83	126.9 K=0.70	0.4418	-2.66	6.13	0.433 <sup>1</sup>
T3	273.333 - 260	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.34	6.13	0.218 <sup>1</sup>
T4	260 - 240	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.28	6.13	0.208 <sup>1</sup>
T5	240 - 220	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.04	6.13	0.170 <sup>1</sup>
T6	220 - 200	3/4	3.00	2.83	126.9 K=0.70	0.4418	-0.92	6.13	0.150 <sup>1</sup>
T7	200 - 180	3/4	3.00	2.85	127.9 K=0.70	0.4418	-1.10	6.05	0.182 <sup>1</sup>
T8	180 - 160	3/4	3.00	2.85	127.9 K=0.70	0.4418	-1.10	6.05	0.182 <sup>1</sup>
T9	160 - 140	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.04	6.13	0.170 <sup>1</sup>
T10	140 - 120	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.12	6.13	0.182 <sup>1</sup>
T11	120 - 100	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.12	6.13	0.183 <sup>1</sup>
T12	100 - 80	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.11	6.13	0.181 <sup>1</sup>
T13	80 - 60	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.18	6.13	0.192 <sup>1</sup>
T14	60 - 40	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.26	6.13	0.206 <sup>1</sup>
T15	40 - 20	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.27	6.13	0.208 <sup>1</sup>
T16	20 - 6.667	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.27	6.13	0.207 <sup>1</sup>
T17	6.667 - 0	9x3/8	2.23	2.06	228.9 K=1.00	3.3750	-1.10	14.56	0.075 <sup>1</sup>

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<sup>1</sup>  $P_u / \phi P_n$  controls

### Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	$L_u$ ft	$Kl/r$	A in <sup>2</sup>	$P_u$ K	$\phi P_n$ K	Ratio $\frac{P_u}{\phi P_n}$
T1	295 - 275	3/4	3.00	2.83	126.9 K=0.70	0.4418	-0.79	6.13	0.130 <sup>1</sup>
T2	275 - 273.333	3/4	3.00	2.83	126.9 K=0.70	0.4418	-0.71	6.13	0.116 <sup>1</sup>
T3	273.333 - 260	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.28	6.13	0.209 <sup>1</sup>
T4	260 - 240	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.28	6.13	0.208 <sup>1</sup>
T5	240 - 220	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.04	6.13	0.170 <sup>1</sup>
T6	220 - 200	3/4	3.00	2.83	126.9 K=0.70	0.4418	-0.92	6.13	0.150 <sup>1</sup>
T7	200 - 180	3/4	3.00	2.85	127.9 K=0.70	0.4418	-1.10	6.05	0.182 <sup>1</sup>
T8	180 - 160	3/4	3.00	2.85	127.9 K=0.70	0.4418	-1.10	6.05	0.182 <sup>1</sup>
T9	160 - 140	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.04	6.13	0.170 <sup>1</sup>
T10	140 - 120	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.12	6.13	0.182 <sup>1</sup>
T11	120 - 100	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.12	6.13	0.183 <sup>1</sup>
T12	100 - 80	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.11	6.13	0.181 <sup>1</sup>
T13	80 - 60	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.18	6.13	0.192 <sup>1</sup>
T14	60 - 40	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.26	6.13	0.206 <sup>1</sup>
T15	40 - 20	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.27	6.13	0.208 <sup>1</sup>
T16	20 - 6.667	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.27	6.13	0.207 <sup>1</sup>
T17	6.667 - 0	12 x 3/8	2.96	2.80	309.9 K=1.00	4.5000	-1.10	10.58	0.104 <sup>1</sup>

KL/R > 200 (C) - 622

<sup>1</sup>  $P_u / \phi P_n$  controls

### Bottom Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	$L_u$ ft	$Kl/r$	A in <sup>2</sup>	$P_u$ K	$\phi P_n$ K	Ratio $\frac{P_u}{\phi P_n}$
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Section No.	Elevation ft	Size	L ft	L <sub>n</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>n</sub> K	Ratio $\frac{P_u}{\phi P_n}$
T1	295 - 275	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.03	6.13	0.167 <sup>1</sup>
T2	275 - 273.333	3/4	3.00	2.83	126.9 K=0.70	0.4418	-0.71	6.13	0.116 <sup>1</sup>
T3	273.333 - 260	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.28	6.13	0.209 <sup>1</sup>
T4	260 - 240	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.28	6.13	0.208 <sup>1</sup>
T5	240 - 220	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.04	6.13	0.170 <sup>1</sup>
T6	220 - 200	3/4	3.00	2.83	126.9 K=0.70	0.4418	-0.92	6.13	0.150 <sup>1</sup>
T7	200 - 180	3/4	3.00	2.85	127.9 K=0.70	0.4418	-1.10	6.05	0.182 <sup>1</sup>
T8	180 - 160	3/4	3.00	2.85	127.9 K=0.70	0.4418	-1.10	6.05	0.182 <sup>1</sup>
T9	160 - 140	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.04	6.13	0.170 <sup>1</sup>
T10	140 - 120	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.12	6.13	0.182 <sup>1</sup>
T11	120 - 100	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.12	6.13	0.183 <sup>1</sup>
T12	100 - 80	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.11	6.13	0.181 <sup>1</sup>
T13	80 - 60	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.18	6.13	0.192 <sup>1</sup>
T14	60 - 40	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.26	6.13	0.206 <sup>1</sup>
T15	40 - 20	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.27	6.13	0.208 <sup>1</sup>
T16	20 - 6.667	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.27	6.13	0.207 <sup>1</sup>

<sup>1</sup> P<sub>u</sub> / φP<sub>n</sub> controls

### Tension Checks

### Leg Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L <sub>n</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>n</sub> K	Ratio $\frac{P_u}{\phi P_n}$
T1	295 - 275	2	20.00	3.31	79.3	3.1416	15.24	141.37	0.108 <sup>1</sup>
T2	275 - 273.333	2	1.67	1.50	36.0	3.1416	4.05	141.37	0.029 <sup>1</sup>
T3	273.333 - 260	2	13.33	3.29	79.0	3.1416	22.63	141.37	0.160 <sup>1</sup>

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Section No.	Elevation ft	Size	L ft	L <sub>w</sub> ft	KI/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>n</sub> K	Ratio $\frac{P_u}{\phi P_n}$
T4	260 - 240	2	20.00	3.31	79.3	3.1416	21.91	141.37	0.155 <sup>1</sup>
T5	240 - 220	2	20.00	3.31	79.3	3.1416	9.69	141.37	0.069 <sup>1</sup>

<sup>1</sup> P<sub>u</sub> / φP<sub>n</sub> controls

### Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L <sub>w</sub> ft	KI/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>n</sub> K	Ratio $\frac{P_u}{\phi P_n}$
T1	295 - 275	1 1/4	4.46	4.22	161.9	1.2272	12.09	39.76	0.304 <sup>1</sup>
T2	275 - 273.333	1	3.35	3.17	152.1	0.7854	4.10	25.45	0.161 <sup>1</sup>
T3	273.333 - 260	1	4.45	4.21	201.9	0.7854	5.84	25.45	0.229 <sup>1</sup>
T4	260 - 240	7/8	4.46	4.22	231.3	0.6013	3.53	19.48	0.181 <sup>1</sup>
T5	240 - 220	1	4.46	4.22	202.4	0.7854	5.25	25.45	0.206 <sup>1</sup>
T6	220 - 200	1	4.46	4.22	202.4	0.7854	5.39	25.45	0.212 <sup>1</sup>
T7	200 - 180	7/8	4.46	4.25	233.0	0.6013	1.31	19.48	0.067 <sup>1</sup>
T8	180 - 160	7/8	4.46	4.25	233.0	0.6013	1.96	19.48	0.100 <sup>1</sup>
T9	160 - 140	7/8	4.46	4.22	231.3	0.6013	2.72	19.48	0.139 <sup>1</sup>
T10	140 - 120	7/8	4.46	4.22	231.3	0.6013	1.59	19.48	0.082 <sup>1</sup>
T11	120 - 100	7/8	4.46	4.22	231.3	0.6013	0.95	19.48	0.049 <sup>1</sup>
T12	100 - 80	7/8	4.46	4.22	231.3	0.6013	2.27	19.48	0.116 <sup>1</sup>
T13	80 - 60	7/8	4.46	4.22	231.3	0.6013	3.04	19.48	0.156 <sup>1</sup>
T14	60 - 40	7/8	4.46	4.22	231.3	0.6013	2.26	19.48	0.116 <sup>1</sup>
T15	40 - 20	7/8	4.46	4.22	231.3	0.6013	1.01	19.48	0.052 <sup>1</sup>
T16	20 - 6.667	7/8	4.45	4.21	230.7	0.6013	1.48	19.48	0.076 <sup>1</sup>

<sup>1</sup> P<sub>u</sub> / φP<sub>n</sub> controls

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### Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	$L_u$ ft	$Kl/r$	A in <sup>2</sup>	$P_u$ K	$\phi P_n$ K	Ratio $\frac{P_u}{\phi P_n}$
T1	295 - 275	3/4	3.00	2.83	181.3	0.4418	2.66	14.31	0.186 <sup>1</sup>
T3	273.333 - 260	3/4	3.00	2.83	181.3	0.4418	1.51	14.31	0.106 <sup>1</sup>
T4	260 - 240	3/4	3.00	2.83	181.3	0.4418	1.28	14.31	0.089 <sup>1</sup>
T5	240 - 220	3/4	3.00	2.83	181.3	0.4418	1.04	14.31	0.073 <sup>1</sup>
T6	220 - 200	3/4	3.00	2.83	181.3	0.4418	0.92	14.31	0.064 <sup>1</sup>
T7	200 - 180	3/4	3.00	2.85	182.7	0.4418	1.10	14.31	0.077 <sup>1</sup>
T8	180 - 160	3/4	3.00	2.85	182.7	0.4418	1.10	14.31	0.077 <sup>1</sup>
T9	160 - 140	3/4	3.00	2.83	181.3	0.4418	1.04	14.31	0.073 <sup>1</sup>
T10	140 - 120	3/4	3.00	2.83	181.3	0.4418	1.12	14.31	0.078 <sup>1</sup>
T11	120 - 100	3/4	3.00	2.83	181.3	0.4418	1.12	14.31	0.078 <sup>1</sup>
T12	100 - 80	3/4	3.00	2.83	181.3	0.4418	1.11	14.31	0.077 <sup>1</sup>
T13	80 - 60	3/4	3.00	2.83	181.3	0.4418	1.18	14.31	0.082 <sup>1</sup>
T14	60 - 40	3/4	3.00	2.83	181.3	0.4418	1.26	14.31	0.088 <sup>1</sup>
T15	40 - 20	3/4	3.00	2.83	181.3	0.4418	1.27	14.31	0.089 <sup>1</sup>
T16	20 - 6.667	3/4	3.00	2.83	181.3	0.4418	1.27	14.31	0.089 <sup>1</sup>
T17	6.667 - 0	9x3/8	2.23	2.06	228.9	3.3750	1.10	109.35	0.010 <sup>1</sup>

<sup>1</sup>  $P_u / \phi P_n$  controls

### Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	$L_u$ ft	$Kl/r$	A in <sup>2</sup>	$P_u$ K	$\phi P_n$ K	Ratio $\frac{P_u}{\phi P_n}$
T1	295 - 275	3/4	3.00	2.83	181.3	0.4418	0.79	14.31	0.056 <sup>1</sup>
T2	275 - 273.333	3/4	3.00	2.83	181.3	0.4418	0.71	14.31	0.050 <sup>1</sup>
T3	273.333 - 260	3/4	3.00	2.83	181.3	0.4418	1.28	14.31	0.089 <sup>1</sup>
T4	260 - 240	3/4	3.00	2.83	181.3	0.4418	1.28	14.31	0.089 <sup>1</sup>

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Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	KI/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>u</sub> K	Ratio $\frac{P_u}{\phi P_u}$
T5	240 - 220	3/4	3.00	2.83	181.3	0.4418	1.04	14.31	0.073 <sup>1</sup>
T6	220 - 200	3/4	3.00	2.83	181.3	0.4418	0.92	14.31	0.064 <sup>1</sup>
T7	200 - 180	3/4	3.00	2.85	182.7	0.4418	1.10	14.31	0.077 <sup>1</sup>
T8	180 - 160	3/4	3.00	2.85	182.7	0.4418	1.10	14.31	0.077 <sup>1</sup>
T9	160 - 140	3/4	3.00	2.83	181.3	0.4418	1.04	14.31	0.073 <sup>1</sup>
T10	140 - 120	3/4	3.00	2.83	181.3	0.4418	1.12	14.31	0.078 <sup>1</sup>
T11	120 - 100	3/4	3.00	2.83	181.3	0.4418	1.12	14.31	0.078 <sup>1</sup>
T12	100 - 80	3/4	3.00	2.83	181.3	0.4418	1.11	14.31	0.077 <sup>1</sup>
T13	80 - 60	3/4	3.00	2.83	181.3	0.4418	1.18	14.31	0.082 <sup>1</sup>
T14	60 - 40	3/4	3.00	2.83	181.3	0.4418	1.26	14.31	0.088 <sup>1</sup>
T15	40 - 20	3/4	3.00	2.83	181.3	0.4418	1.27	14.31	0.089 <sup>1</sup>
T16	20 - 6.667	3/4	3.00	2.83	181.3	0.4418	1.27	14.31	0.089 <sup>1</sup>
T17	6.667 - 0	12 x 3/8	2.96	2.80	309.9	4.5000	8.02	145.80	0.055 <sup>1</sup>

<sup>1</sup> P<sub>u</sub> / φP<sub>u</sub> controls

### Bottom Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	KI/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>u</sub> K	Ratio $\frac{P_u}{\phi P_u}$
T1	295 - 275	3/4	3.00	2.83	181.3	0.4418	1.10	14.31	0.077 <sup>1</sup>
T2	275 - 273.333	3/4	3.00	2.83	181.3	0.4418	0.71	14.31	0.050 <sup>1</sup>
T3	273.333 - 260	3/4	3.00	2.83	181.3	0.4418	1.28	14.31	0.089 <sup>1</sup>
T4	260 - 240	3/4	3.00	2.83	181.3	0.4418	1.28	14.31	0.089 <sup>1</sup>
T5	240 - 220	3/4	3.00	2.83	181.3	0.4418	1.04	14.31	0.073 <sup>1</sup>
T6	220 - 200	3/4	3.00	2.83	181.3	0.4418	0.92	14.31	0.064 <sup>1</sup>
T7	200 - 180	3/4	3.00	2.85	182.7	0.4418	1.10	14.31	0.077 <sup>1</sup>

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Section No.	Elevation ft	Size	L ft	L <sub>n</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>u</sub> K	Ratio $\frac{P_u}{\phi P_n}$
T8	180 - 160	3/4	3.00	2.85	182.7	0.4418	1.10	14.31	0.077 <sup>1</sup>
T9	160 - 140	3/4	3.00	2.83	181.3	0.4418	1.04	14.31	0.073 <sup>1</sup>
T10	140 - 120	3/4	3.00	2.83	181.3	0.4418	1.12	14.31	0.078 <sup>1</sup>
T11	120 - 100	3/4	3.00	2.83	181.3	0.4418	1.12	14.31	0.078 <sup>1</sup>
T12	100 - 80	3/4	3.00	2.83	181.3	0.4418	1.11	14.31	0.077 <sup>1</sup>
T13	80 - 60	3/4	3.00	2.83	181.3	0.4418	1.18	14.31	0.082 <sup>1</sup>
T14	60 - 40	3/4	3.00	2.83	181.3	0.4418	1.26	14.31	0.088 <sup>1</sup>
T15	40 - 20	3/4	3.00	2.83	181.3	0.4418	1.27	14.31	0.089 <sup>1</sup>
T16	20 - 6.667	3/4	3.00	2.83	181.3	0.4418	1.27	14.31	0.089 <sup>1</sup>

<sup>1</sup> P<sub>u</sub> / φP<sub>n</sub> controls

### Top Guy Pull-Off Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L <sub>n</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>u</sub> K	Ratio $\frac{P_u}{\phi P_n}$
T1	295 - 275	3 x3/8	3.00	2.83	314.1	1.1250	14.96	36.45	0.410
T6	220 - 200	3 x3/8	3.00	2.83	314.1	1.1250	6.43	36.45	0.176 <sup>1</sup>
T9	160 - 140	3 x3/8	3.00	2.83	314.1	1.1250	4.36	36.45	0.120 <sup>1</sup>
T13	80 - 60	3 x3/8	3.00	2.83	314.1	1.1250	4.75	36.45	0.130 <sup>1</sup>

<sup>1</sup> P<sub>u</sub> / φP<sub>n</sub> controls

### Top Guy Pull-Off Bending Design Data

Section No.	Elevation ft	Size	M <sub>ux</sub> kip-ft	φM <sub>ux</sub> kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M <sub>uy</sub> kip-ft	φM <sub>uy</sub> kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
T1	295 - 275	3 x3/8	0.01	0.28	0.019	-0.00	2.28	0.000
T6	220 - 200	3 x3/8	0.00	0.28	0.000	0.00	2.28	0.000
T9	160 - 140	3 x3/8	0.00	0.28	0.000	0.00	2.28	0.000
T13	80 - 60	3 x3/8	0.00	0.28	0.000	0.00	2.28	0.000

### Top Guy Pull-Off Interaction Design Data

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Section No.	Elevation ft	Size	Ratio $P_u$	Ratio $M_{ux}$	Ratio $M_{uy}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
			$\phi P_n$	$\phi M_{ux}$	$\phi M_{uy}$			
T1	295 - 275	3 x3/8	0.410	0.019	0.000	0.427	1.000	✓
T6	220 - 200	3 x3/8	0.176	0.000	0.000	0.176 <sup>1</sup>	1.000	✓
T9	160 - 140	3 x3/8	0.120	0.000	0.000	0.120 <sup>1</sup>	1.000	✓
T13	80 - 60	3 x3/8	0.130	0.000	0.000	0.130 <sup>1</sup>	1.000	✓

<sup>1</sup>  $P_u / \phi P_n$  controls

### Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$\phi P_{allow}$ K	% Capacity	Pass Fail
T1	295 - 275	Leg	2	2	-37.76	89.23	42.3	Pass
		Diagonal	1 1/4	17	-12.23	20.22	60.5	Pass
		Horizontal	3/4	33	-2.66	6.13	43.3	Pass
		Top Girt	3/4	4	-0.79	6.13	13.0	Pass
		Bottom Girt	3/4	7	-1.03	6.13	16.7	Pass
		Guy A@281.694	7/8" Sabre	636	37.88	47.82	79.2	Pass
		Guy B@281.694	7/8" Sabre	635	38.41	47.82	80.3	Pass
		Guy C@281.694	7/8" Sabre	634	38.26	47.82	80.0	Pass
		Top Guy	3 x3/8	21	14.96	36.45	42.7	Pass
		Pull-Off@281.694						
T2	275 - 273.333	Leg	2	44	-40.99	120.52	34.0	Pass
		Diagonal	1	53	-4.62	14.02	33.0	Pass
		Top Girt	3/4	46	-0.71	6.13	11.6	Pass
		Bottom Girt	3/4	49	-0.71	6.13	11.6	Pass
T3	273.333 - 260	Leg	2	56	-61.02	89.58	68.1	Pass
		Diagonal	1	77	-6.18	8.88	69.6	Pass
		Horizontal	3/4	67	-1.34	6.13	21.8	Pass
		Top Girt	3/4	58	-1.28	6.13	20.9	Pass
T4	260 - 240	Bottom Girt	3/4	61	-1.28	6.13	20.9	Pass
		Leg	2	86	-60.64	89.23	68.0	Pass
		Diagonal	7/8	95	-3.89	5.18	75.1	Pass
		Horizontal	3/4	97	-1.28	6.13	20.8	Pass
T5	240 - 220	Top Girt	3/4	88	-1.28	6.13	20.8	Pass
		Bottom Girt	3/4	91	-1.28	6.13	20.8	Pass
		Leg	2	128	-49.52	89.23	55.5	Pass
		Diagonal	1	137	-5.61	8.84	63.5	Pass
T6	220 - 200	Horizontal	3/4	140	-1.04	6.13	17.0	Pass
		Top Girt	3/4	131	-1.04	6.13	17.0	Pass
		Bottom Girt	3/4	134	-1.04	6.13	17.0	Pass
		Leg	2	170	-43.59	89.23	48.9	Pass
T7	200 - 180	Diagonal	1	209	-5.82	8.84	65.8	Pass
		Horizontal	3/4	181	-0.92	6.13	15.0	Pass
		Top Girt	3/4	172	-0.92	6.13	15.0	Pass
		Bottom Girt	3/4	175	-0.92	6.13	15.0	Pass
		Guy A@216.611	1/2" Sabre	639	13.76	16.14	85.3	Pass
		Guy B@216.611	1/2" Sabre	638	13.92	16.14	86.2	Pass
		Guy C@216.611	1/2" Sabre	637	13.30	16.14	82.4	Pass
Top Guy	3 x3/8	207	6.43	36.45	17.6	Pass		
Pull-Off@216.611								
T7	200 - 180	Leg	1 3/4	212	-47.49	59.34	80.0	Pass

<p style="text-align: center;"><b>tnxTower</b></p> <p style="text-align: center;"><b>Allpro Consulting Group, Inc.</b>  9221 Lyndon B. Johnson Freeway, Suite  204  Dallas, TX 75243  Phone: (972) 231-8893  FAX: (866) 364-8375</p>	Job	25-9571	Page	35 of 36
	Project	TI-OPP-17466 AT&T	Date	12:00:10 12/19/25
	Client	Tillman Infrastructure	Designed by	MShakib

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$\phi P_{allow}$ K	% Capacity	Pass Fail
		Diagonal	7/8	252	-1.67	5.11	32.6	Pass
		Horizontal	3/4	223	-1.10	6.05	18.2	Pass
		Top Girt	3/4	214	-1.10	6.05	18.2	Pass
		Bottom Girt	3/4	217	-1.10	6.05	18.2	Pass
T8	180 - 160	Leg	1 3/4	254	-47.56	59.34	80.2	Pass
		Diagonal	7/8	263	-2.30	5.11	45.0	Pass
		Horizontal	3/4	271	-1.10	6.05	18.2	Pass
		Top Girt	3/4	256	-1.10	6.05	18.2	Pass
		Bottom Girt	3/4	259	-1.10	6.05	18.2	Pass
T9	160 - 140	Leg	2	296	-49.48	89.23	55.4	Pass
		Diagonal	7/8	317	-3.21	5.18	61.9	Pass
		Horizontal	3/4	307	-1.04	6.13	17.0	Pass
		Top Girt	3/4	298	-1.04	6.13	17.0	Pass
		Bottom Girt	3/4	301	-1.04	6.13	17.0	Pass
		Guy A@146.694	3/8" Sabre	642	8.05	9.24	87.1	Pass
		Guy B@146.694	3/8" Sabre	641	8.16	9.24	88.3	Pass
		Guy C@146.694	3/8" Sabre	640	7.60	9.24	82.2	Pass
		Top Guy	3 x 3/8	313	4.36	36.45	12.0	Pass
		Pull-Off@146.694						
T10	140 - 120	Leg	2	338	-53.16	89.23	59.6	Pass
		Diagonal	7/8	378	-2.08	5.18	40.1	Pass
		Horizontal	3/4	349	-1.12	6.13	18.2	Pass
		Top Girt	3/4	340	-1.12	6.13	18.2	Pass
		Bottom Girt	3/4	343	-1.12	6.13	18.2	Pass
T11	120 - 100	Leg	2	380	-53.16	89.23	59.6	Pass
		Diagonal	7/8	390	-1.55	5.18	29.9	Pass
		Horizontal	3/4	392	-1.12	6.13	18.3	Pass
		Top Girt	3/4	383	-1.12	6.13	18.3	Pass
		Bottom Girt	3/4	386	-1.12	6.13	18.3	Pass
T12	100 - 80	Leg	2	421	-52.59	89.23	58.9	Pass
		Diagonal	7/8	432	-2.92	5.18	56.3	Pass
		Horizontal	3/4	433	-1.11	6.13	18.1	Pass
		Top Girt	3/4	424	-1.11	6.13	18.1	Pass
		Bottom Girt	3/4	427	-1.11	6.13	18.1	Pass
T13	80 - 60	Leg	2	463	-55.95	89.23	62.7	Pass
		Diagonal	7/8	497	-3.65	5.18	70.5	Pass
		Horizontal	3/4	481	-1.18	6.13	19.2	Pass
		Top Girt	3/4	466	-1.18	6.13	19.2	Pass
		Bottom Girt	3/4	469	-1.18	6.13	19.2	Pass
		Guy A@76.6111	7/16" Sabre	645	7.91	12.48	63.4	Pass
		Guy B@76.6111	7/16" Sabre	644	8.01	12.48	64.2	Pass
		Guy C@76.6111	7/16" Sabre	643	7.47	12.48	59.8	Pass
		Top Guy	3 x 3/8	501	4.75	36.45	13.0	Pass
		Pull-Off@76.6111						
T14	60 - 40	Leg	2	505	-59.88	89.23	67.1	Pass
		Diagonal	7/8	545	-2.82	5.18	54.4	Pass
		Horizontal	3/4	523	-1.26	6.13	20.6	Pass
		Top Girt	3/4	508	-1.26	6.13	20.6	Pass
		Bottom Girt	3/4	511	-1.26	6.13	20.6	Pass
T15	40 - 20	Leg	2	547	-60.56	89.23	67.9	Pass
		Diagonal	7/8	556	-1.65	5.18	31.9	Pass
		Horizontal	3/4	561	-1.27	6.13	20.8	Pass
		Top Girt	3/4	552	-1.27	6.13	20.8	Pass
		Bottom Girt	3/4	555	-1.27	6.13	20.8	Pass
T16	20 - 6.667	Leg	2	589	-60.56	89.58	67.6	Pass
		Diagonal	7/8	598	-2.02	5.21	38.8	Pass
		Horizontal	3/4	601	-1.27	6.13	20.7	Pass
		Top Girt	3/4	592	-1.27	6.13	20.7	Pass
		Bottom Girt	3/4	595	-1.27	6.13	20.7	Pass
T17	6.667 - 0	Leg	2	619	-61.82	104.66	59.1	Pass
		Horizontal	9x3/8	631	-1.10	14.56	7.5	Pass

<b>tnxTower</b>  <b>Allpro Consulting Group, Inc.</b> 9221 Lyndon B. Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: (972) 231-8893 FAX: (866) 364-8375	<b>Job</b> 25-9571	<b>Page</b> 36 of 36
	<b>Project</b> TI-OPP-17466 AT&T	<b>Date</b> 12:00:10 12/19/25
	<b>Client</b> Tillman Infrastructure	<b>Designed by</b> MShakib

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$\phi P_{allow}$ K	% Capacity	Pass Fail
		Top Girt	12 x 3/8	624	-1.10	10.58	10.4	Pass
							Summary	
						Leg (T8)	80.2	Pass
						Diagonal (T4)	75.1	Pass
						Horizontal (T1)	43.3	Pass
						Top Girt (T3)	20.9	Pass
						Bottom Girt (T3)	20.9	Pass
						Guy A (T9)	87.1	Pass
						Guy B (T9)	88.3	Pass
						Guy C (T6)	82.4	Pass
						Top Guy Pull-Off (T1)	42.7	Pass
						<b>RATING =</b>	<b>88.3</b>	<b>Pass</b>

### Seismic Load Analysis Output

#### Project Data

ACGIH	25-9571
Site Name/ID	TI-OPP-17456
TIA Code	TIA-222-H
Type of Tower	GT
Risk Category	II

#### Output Result

Total Weight W	39.095	k
Fundamental Period [T]	0.583	s
Total Seismic Shear	1.173	k

#### Seismic Design Data

S <sub>b5</sub>	0.085
S <sub>D1</sub>	0.07
S <sub>1</sub>	0.044
T <sub>1</sub> [sec]	12



AT& T Mobility c/o Amentum - upgrade or equipment add on to existing structure permit

Located in Precinct H

In the W ½ of the SW ¼ of Section 23 Township 11N Range 4E

PID 800231815

Zoned A-1

- AT&T Mobility c/o Amentum has requested an application for a Wireless upgrade or equipment add on to an existing structure permit. The intention of this application is to make modifications/upgrades to the current tower. AT&T Mobility will replace 6 radios and remove 3 antennas. There will be no increase to the height of the tower and there will be no ground disturbance.

This wireless upgrade or equipment add on to existing structure meets the requirements for Seward County

This parcel is in the Water Conservation Overlay area.

This parcel does not have floodplain concerns.

Planning Commission voted 7 for 0 against 2 absent not voting to approve this Tower Upgrade Permit and added no other conditions to the permit.

BEFORE THE SEWARD COUNTY NEBRASKA COUNTY COMMISSIONERS

IN THE MATTER OF EQUIPMENT MODIFICATIONS/UPGRADES AT EXISTING SITE  
REQUESTED USE: EQUIPMENT MODIFICATION/UPGRADE PERMIT #TU-01-2026  
APPLICANT: AT & T Mobility c/o Amentum  
CURRENTLY ZONED: A-1

This matter came before the Seward County Commissioners at the request of the applicant. A public hearing was held on the 24th day of February 2026. Notice of said hearing was publicized on the 18th day of February 2026.

The Seward County Commissioners recommends to:

- Approve the Wireless Upgrade or Equipment Add on to Existing Structure
- Deny the Wireless Upgrade or Equipment Add on to Existing Structure

With a roll call vote of:  For  Against  Absent Not Voting

Upon review of all necessary facts, the County Commissioners make the following findings:

1.  The use, in all other respects, conforms to the applicable regulations of the district in which it is located.
2.  The use will have adequate water and sewer facilities.
3.  The use will be in harmony with the character of the area and the most appropriate use of the land.
4.  The establishment, maintenance, or operation of the conditional use will not be detrimental to or endanger the public health, safety, moral, comfort, or general welfare of the county.
5.  The conditional use will not be injurious to the use and enjoyment of other property in the immediate vicinity for the purpose already permitted, nor substantially diminish and impair property values within the neighborhood.
6.  The establishment of conditional use will not impede the normal and orderly development of the surrounding property for uses permitted in the district.
7.  Adequate utilities, access roads, and drainage facilities have been or are being provided.
8.  That adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets.
9.  The use does not include noise, which is objectionable due to volume, frequency, or beat unless muffled or otherwise controlled

10. \_\_\_ The use does not involve any pollution of the air by fly-ash, dust, vapors, or other substance which is harmful to health, animals, vegetation, or other property or which can cause soiling, discomfort, or irritation.
11. \_\_\_ The use does not involve any malodorous gas or matter, which is discernible on any adjoining lot or property.
12. \_\_\_ The use does not involve any direct or reflected glare, which is visible from any adjoining property or from any public street, road, or highway.
13. \_\_\_ The use does not involve any activity substantially increasing the movement of traffic on public streets unless procedures are instituted to limit traffic hazards and congestion.
14. \_\_\_ The use does not involve any activity substantially increasing the burden on any public utilities or facilities unless provisions are made for any necessary adjustments.

Further, the County Commissioners recommend the following specific conditions that are necessary or desirable to address the most appropriate use of the land, the conservation and stabilization of the value of property, the provision of adequate open space for light and air, concentration of populations, congestion of public streets, and the promotion of the general health, safety, welfare, convenience, and comfort of the public:

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Dated this 24th day of February 2026.

\_\_\_\_\_  
County Commissioner Chair

\_\_\_\_\_  
Zoning Administrator

**RESOLUTION NO \_\_\_\_\_ OF THE SEWARD COUNTY BOARD OF COMMISSIONERS**

**WHEREAS** AT&T Mobility c/o Amentum have applied for a Wireless upgrade or equipment add on to an existing structure permit located in the West ½ of the Southwest ¼ of section 23, township 11 North, range 4 East of the 6pm, to replace 6 radios and remove 3 antennas on the existing guyed tower, with no structure height increase or ground disturbance.

**WHEREAS** The Seward County Planning Commission held a meeting on January 26, 2026, to consider the Wireless upgrade or equipment add on to existing structure permit, and

**WHEREAS** the Planning Commission recommended approval of the Wireless upgrade or equipment add on to existing structure permit with a vote of 7 For, 0 against, and 2 Absent and Not Voting, and

**WHEREAS** \_\_\_ No one appeared to oppose the Wireless Upgrade.

\_\_\_ Individuals appeared to oppose the Wireless Upgrade.

\_\_\_ No one appeared to support the Wireless Upgrade.

\_\_\_ Individuals appeared to support the Wireless Upgrade.

\_\_\_ Individuals appeared without commitment, and

**THEREFORE, BE IT RESOLVED** that the Seward County Board of Commissioners do hereby Approve \_\_\_\_\_, Deny \_\_\_\_\_ the Wireless upgrade or equipment add on to existing structure permit with Resolution NO: \_\_\_\_\_.

**THEREFORE, BE IT FURTHER RESOLVED** that approval is subject to the following conditions \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

MOTION BY: \_\_\_\_\_

SECONDED BY: \_\_\_\_\_

ROLL CALL

AYES: \_\_\_\_\_ NAYS: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Chair, Board of Commissioners

February 24, 2026

ATTEST: \_\_\_\_\_

Brandy Johnson, Seward County Clerk