GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

TECHNICAL SPECIFICATIONS
AND
BID DOCUMENTS

TUBULAR STEEL STRUCTURES
FOR THE
230 POD TO BELLS FORK
115 kV TRANSMISSION LINE

REQUEST FOR PRICES

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REQUEST FOR PRICES

Rev. 0	Initial Release for Bid	6/17/2016
Rev. 1	Issue for Bid Revised	7/27/2016

Booth & Associates, LLC
Consulting Engineers
5811 Glenwood Avenue
Raleigh, North Carolina 27612
Firm License No.: F-0221

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

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NOTICE TO PROSPECTIVE BIDDERS

Sealed Proposals for the furnishing and deliver of all materials and equipment (except materials and equipment specified to be furnished by the Owner) complete and conforming to the bid documents for Tubular Steel Structures for the 230 POD to Bells Fork 115 kV Transmission Line, as set forth in the Bid Schedules, will be received by Greenville Utilities Commission of Greenville, North Carolina (hereinafter referred to as the Owner) at the offices of the Procurement Coordinator, Greenville Utilities Commission, 401 S. Greene Street, Greenville, North Carolina, 27834, on or before **2:00 PM, local time, Thursday, September 8, 2016,** at which time the Proposals will be opened and read. Any Proposal received subsequent to that time will be promptly returned to the Bidder unopened. Bids submitted in a fax or e-mail in response to this Invitation for Bids will not be acceptable. All questions concerning this bid must be received by Thursday, August 25, 2016.

Instructions for submitting bids and complete specifications will be available in the Office of the Procurement Coordinator, Greenville Utilities Commission, 401 S. Greene Street, Greenville, North Carolina during regular office hours, which are 8:30 AM – 5:00 PM Monday through Friday. Greenville Utilities Commission reserves the right to reject any or all bids.

Each bidder must submit a proposal on the enclosed bid forms. **The bid must be signed by an authorized official of the firm. Return only the attached Proposal Form. Do not return the Advertisement for Bids, Instructions to Bidders or Specifications.**

Bids must be in sealed envelopes clearly marked on the outside with the name of the bid and the bid opening date and time. Bid shall be addressed to PROCURMENT COORDINATOR, GREENVILLE UTILITIES COMMISSION, 401 S. GREENE STREET, GREENVILLE, NORTH CAROLINA 27834.

Bids will be opened promptly and read at the hour and on the date set forth in the advertisement in the Office of the Procurement Coordinator, Greenville Utilities Main Office, 401 S. Greene Street, Greenville, North Carolina 27834. Bidders or their authorized agents are invited to be present.

Prior to the submission of the Proposal, the Bidder shall make and shall be deemed to have made a careful examination of the bid documents on file with the Owner and with the Engineer and of all other matters that may affect the cost and the time of the work.

The name and address of the Bidder, its license number (if a license is required by the State), and the following description must appear on the envelope in with the Proposal is submitted **"BID FOR THE TUBULAR STEEL STRUCTURES FOR THE 230 POD TO BELLS FORK 115 kV TRANSMISSION LINE NOT TO BE OPENED UNTIL 2:00 PM, THURSDAY, SEPTEMBER 8, 2016".**

Each Proposal shall be accompanied by cash, cashier's check, or certified check drawn on a bank insured with the Federal Deposit Insurance Corporation or the Savings Association Insurance Fund, payable to the Owner, in an amount not less than five percent (5%) of the total bid as a guarantee that a Purchase Order, if awarded, will be accepted. In lieu thereof, a Bid Bond may be submitted by the Bidder in an amount not less than five percent (5%) of the total bid (see attached Bid Bond form). The total bid price for which the five percent (5%) applies shall be the total of all schedules.

The Owner reserves the rights to (1) waive minor irregularities or minor errors in any Proposal if it appears to the Owner that such irregularities or errors were made through inadvertence. Any such irregularities or errors so waived must be corrected on the Proposal prior to its acceptance by the Owner; (2) reject any or all Proposals and to hold any or all Proposals for a period of sixty (60) days from the date of opening thereof; (3) accept the bid, in its opinion, that represents the lowest responsible, responsive bid from the standpoint of quality, performance, delivery and price; and (4) award Purchase Order(s) to Bidder(s) for any Schedule(s) individually or collectively from the Bid Schedules.

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

By: Anthony C. Cannon Date: _____
General Manager / CEO

DEFINITIONS

Whenever the following terms or pronoun in place of them are used in these "Instructions to Bidders", "Form of Proposal", "Technical Specifications", "Contract", bond, etc., the intent and meaning shall be interpreted as follows:

Owner	Greenville Utilities Commission Greenville, North Carolina
General Manager / CEO	Anthony C. Cannon
Consulting Engineer	Booth & Associates, LLC
Observer	An authorized representative of the Owner assigned to make any or all necessary observations of work performed and equipment and/or apparatus furnished by the Bidder
Bidder	Any individual, firm, or corporation submitting a Proposal for the work contemplated, acting directly or through a duly authorized representative; or party of the second part of the Contract, acting directly or through a duly authorized representative
Subcontractor	An individual, firm, or corporation who contracts with the Bidder to perform part of the latter's Contract
Surety	The body, corporate or individual, approved by the Owner, which is bound with and for the Bidder who is primarily liable and which engages to be responsible for his acceptable performance of the work for which he has contracted
Form of Proposal, Proposal	The approved, prepared form on which the Bidder is to submit or has submitted his Proposal for the work contemplated
Bid Security	To all bids there shall be attached cash, cashier's check, or certified check from the Bidder upon a bank or trust company insured by the Federal Deposit Insurance Corporation or the Savings Associates Insurance Fund, or in lieu thereof, a Bid Bond
Plans, Drawings	All Drawings or reproductions of Drawings pertaining to the construction under the Contract
Technical Specifications	The directions, provisions, and requirements contained herein pertaining to the method and manner of performing the work or to the quantities and qualities of materials to be furnished under the Contract

Purchase Order	The agreement covering the furnishing of equipment and/or apparatus and the performance of the work. The Purchase Order shall include the "Instructions to Bidders", "General Conditions", "Form of Proposal", "Plans", "Technical Specifications", and Acknowledgments
Contract	The agreement covering the furnishing of equipment and/or apparatus and the performance of the work. The Contract shall include the "Instructions to Bidders", "General Conditions", "Form of Proposal", "Plans", "Technical Specifications", and Acknowledgments
Performance Bond (Not Required)	The approved form of security to be approved by the Owner furnished by the Bidder and his Surety as a guarantee of good faith on the part of the Bidder to accept the work in accordance with the terms of the Specifications and Contract
Payment Bond (Not Required)	The approved form of security to be approved by the Owner furnished by the Bidder and his Surety as a guarantee for payment of all Subcontractors on the part of the Bidder in acceptance of the work in accordance with the terms of the Specifications and Contract
Work	The performance of the project covered by the Specifications or the furnishing of labor, machinery, equipment, tools, or any other article or item being purchased by the Owner
Emergency	A temporary unforeseen occurrence or combination of circumstances which endangers life and property and calls for immediate action or remedy
Work at Site of Project	Work to be performed, including work normally done on the location of the project
Bid Documents	Include all sections of the Request for Bids, Form of Proposal, Technical Specifications and Appendices, Addendum/Clarifications/Bulletins, and Drawings

The subheadings in these Specifications are intended for convenience or reference only and shall not be considered as having any bearing on the interpretations thereof.

INSTRUCTIONS TO BIDDERS

1.0 Bidder Qualification

1.1 Bids will be accepted only from Bidders deemed by the Owner or the Engineer to be qualified to provide the materials, equipment, and services described by these Specifications. The experience of Bidders in providing the same or similar materials, equipment, and services will be a major factor in determining qualification. The Bidder shall include information to establish qualifications.

1.2 Prospective Bidders who wish to submit a bid, but are not presently qualified, may receive consideration by submitting a completed Bidder's Qualification Form, which requires product line and user list, to the Engineer at least ten (10) days prior to the specified bid opening date and time. The Bidder's Qualification Form may be obtained from the Engineer.

2.0 Proposals

2.1 To warrant consideration, Proposals must comply with these instructions. Strict adherence to these specifications and drawings is requested to facilitate review and consideration of the proposal.

2.2 Bids not received on Booth & Associates, LLC *Form of Proposal* contained herein will be considered unresponsive. The forms shall be filled out complete; any omissions may cause the entire Proposal to be rejected.

2.3 Proposals must be made on the *Form of Proposal* provided herein and must not be altered, erased, or interlined in any manner. The Bidder shall fill in the *Form of Proposal* as detailed in the Terms and Conditions. The Bidder may retain one (1) copy, but the original, fully executed, must be inserted in or attached to the Bid Documents. Also, one (1) additional copy of all executed forms and supporting information shall be supplied.

2.4 The Bidder shall furnish certain information, as required by the Bid Documents regarding the equipment on which he is bidding. Two (2) copies of the information, together with the manufacturer's literature setting forth the guarantees and describing the equipment on which he is bidding shall be included as part of the Proposal. If one manufacturer is bidding through two or more agents or representatives, descriptive literature, guarantees, etc., may be submitted in duplicate in one sealed envelope, which will be considered and treated as though it contained a sealed bid. This envelope shall contain a list of the names of Bidders to whom the information applies. Each sealed Bid Proposal without this information shall state the name of the manufacturer who is furnishing the information. Additional sets of the Specifications may be obtained upon a payment of Fifty Dollars ($50) non-refundable deposit by approved Bidders.

2.5 Bids may be modified by the Bidder's removal of his original and the submittal of a completely revised bid package in full compliance with the Bid Documents if received prior to the time of opening bids and if included in the public reading of such bids. No oral or telephonic Proposals will be considered.

2.6 Proposals shall include a Form of Exceptions utilizing forms provided which shall itemize each and every exception from the Bid Documents. The Form of Exceptions shall state the section, subsection, and paragraph designations from the part of the Specifications to which exception is taken and explain in detail the nature of the exception. A copy of this Form of Exceptions is included in the *Form of Proposal*. Exceptions will not necessarily eliminate a Bidder from consideration, even if bids without exceptions are received from others. The treatment of exceptions will be based entirely on the overall best interests of the Owner.

2.7 Should the Bidder find discrepancies in the documents or fail to understand their meaning, he shall immediately notify the Engineer, who will send written instructions to all Bidders. Neither the Owner nor the Engineer will be responsible for any oral instructions.

2.8 The Bidder shall be the manufacturer of the equipment, or the Bidder shall submit with the *Form of Proposal* a notarized statement that the Bidder is authorized by the manufacturer to

tender the Proposal as submitted and that the manufacturer will guarantee the suitability and adequacy of the equipment proposed, and will be bound by the Specifications, as though the manufacturer had submitted the Proposal.

2.9 In the event that the Bidder proposes any change or deviation from the Engineer's Plans and Specifications, such Proposal changes or deviations must be submitted at the time bids are opened. The Owner reserves the right to reject any such proposed changes or deviations. All exceptions must be stated on the Form of Exceptions. Failure to submit a Form of Exceptions will imply strict adherence to the Plans and Specifications.

2.10 No Bid Proposal may be withdrawn after the scheduled closing time for the receipt of bids for a period of sixty (60) days pending the purchase order by the successful Bidder. Should the successful Bidder default and not accept a purchase order, then the purchase order may be offered to the next lowest responsible, responsive Bidder whose Proposal is evaluated as acceptable

2.11 Prior to submission of the Proposal, the Bidder shall make and shall be deemed to have made a careful examination of the Plans and Specifications on file with the Owner and with the Engineer and all other matters that may affect the cost and the time of completion of the work.

2.12 The Purchase Order, when accepted, shall be deemed to include the Specifications for the equipment, and the Bidder shall not claim any modification thereof resulting from any representative or promise made at any time by an officer, agent, or employee of the Owner or by any other person.

2.13 Firm quotations should be based upon placement of an order within sixty (60) days from bid date.

2.14 The Owner reserves the right to accept any schedule, combination of schedules, or any portion of a schedule.

3.0 Bid Security

3.1 Each Proposal shall be accompanied by a cash deposit, cashier's check, or certified check drawn on a bank or trust company insured by the Federal Deposit Insurance Corporation or Savings Association Insurance Fund, or a Bid Bond in an amount not less than five percent (5%) of the Proposal. The Owner will retain said deposit as liquidated damages in the event of failure of the Successful Bidder to execute the Purchase Order within ten (10) days after the award.

3.2 Bid Bond shall be conditioned that the Surety will, upon demand, forthwith make payment to the Obligee upon said Bond if the Bidder fails to accept a purchase order in accordance with the Bid Bond, and that upon failure to forthwith make payment, the Surety shall pay to the Obligee an amount equal to double the amount of said Bond.

3.3 Only one (1) Bid Bond is required, the amount of which shall be based on the total amount of the bid. The value for the Bid Bond shall be based on the Bid Schedule of maximum total amount.

4.0 Performance Bond/Payment Bond

A Performance Bond/Payment Bond is not required for this project.

5.0 Bulletins and Addenda

Any bulletins or addenda to the Specifications issued during the time of bidding are to be considered covered in the Proposal, and in accepting a purchase order, they will become a part thereof. Receipt of addenda shall be acknowledged by the Bidder on the *Form of Proposal.*

6.0 Delivery of Equipment

6.1 The tubular steel structures shall be shipped to the site with unloading by the Owner or Owner's Contractor. See the vicinity map located in the appendices for site location. **Deliver to Material Yard at 4001 Bells Chapel Road, Greenville, NC 27858**

6.2 Units are to be shipped utilizing an open-top truck to facilitate unloading with a crane or fork truck. Units are to be shipped direct from the manufacturing site, with no intermediate transfers. Shipping with the manufacturer's own trucks is preferred.

6.3 Method of packing and loading shall be such as to protect all parts from dampness, corrosion, breakage, or vibration injury that might reasonably be encountered in transportation, storage and handling.

6.4 A Delivery Schedule is provided as part of the Proposal on which the Bidder shall indicate the delivery schedule for his materials and equipment. Strict adherence to the quoted delivery schedule is expected. Special attention should be given to the stipulations for delivery outlined in the General Conditions. Furthermore, the Bidder shall match his scheduled deliveries to the schedule preferred by the Owner, if noted in the *Form of Proposal*.

6.5 Release for shipment is to be granted by the Owner or the Engineer based upon the manufacturer's compliance with the following:

6.5.1 Furnishing of the requisite number of copies of the Final Drawings as called for in the Specifications.

6.5.2 Coordination of manufacturing and delivery with Owner's construction schedule as may be noted in these Specifications.

6.5.3 Thirty (30) days notification of tentative shipping schedule and forty-eight (48) hours notification prior to all deliveries.

6.6 Delivery of all items of equipment shall be made at such time as to permit unloading between the hours of 9:00 a.m. and 3:00 p.m., Monday through Thursday, holidays excluded. The Owner will furnish escort to the transmission site. Ultimate delivery shall be at the discretion of the Owner.

6.7 In the event that delays occur, the Bidder shall be responsible for all shipping demurrage unless such delays are caused solely by the Owner.

6.8 Bidder will be responsible for unloading equipment upon arrival.

7.0 Contract

7.1 The award of Contract will be made to the lowest responsible, responsive Bidder as soon as practical, provided that in the selection of materials and equipment a purchase order may be awarded to a responsible Bidder other than the lowest in the interest of standardization, or ultimate economy if the advantage of such standardization or ultimate economy is clearly evident. The Owner reserves the right to reject any and all bids.

7.2 The Owner reserves the right to waive minor irregularities or minor errors in any Proposal if it appears to the Owner that such irregularities or errors were made through inadvertence. The Bidder must correct any such irregularities or errors so waived on the Proposal prior to its acceptance.

7.3 In estimating the lowest cost to the Owner as one of the factors in deciding the Award of the purchase order, the Owner will consider, in addition to the prices quoted in the Proposal, the following:

a. Equipment delivery (days),
b. Adherence to the Plans and *Technical Specifications*,
c. Evaluation of equipment suitability to the system as noted and submitted by the Bidder,
d. The Bidder's intended method of shipment of the materials and equipment, and
e. Firm prices.

8.0 Drawings and Documentation

The Bidder shall provide adequate documentation to fully describe the equipment being furnished. Each set of Approval and Final Drawings and documentation shall include, but not be limited to, the following information:

a. List of Material which shall include a complete description of all items furnished including quantity, catalog numbers, ratings, and manufacturer.
b. Structural drawings for the tubular steel structures.
c. General dimensions, plate sizes, and weights of all component parts of the structure and the anchor bolt.
d. The total ultimate moments, section modulus required and section modulus furnished at all splices and a minimum of every twenty feet along the pole shaft.
e. Deflections, including magnitude and direction, at the top of each structure due to loading conditions specified. Provide a pre-camber and/or rake table summary if applicable.
f. For a frame structure, a sketch showing joint coordinates and load application points.
g. Any revisions to the initial design calculations.
h. The total ultimate moments, section modulus required and furnished at the base of the arms.
i. Computation of stresses in base plates, connections, attachments, and anchor bolts.
j. Bend line base plate calculations including a detailed sketch of the bend lines in relationship to the pole base, baseplate, and anchor bolts.

All Drawings shall have marked on each sheet the label:

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA
TUBULAR STEEL STRUCTURES FOR THE
230 POD TO BELLS FORK 115 kV TRANSMISSION LINE

Dimensional information shown on all Drawings shall be stated in feet and inches.

All Drawings and documentation shall be submitted directly to the Owner's Engineer, Booth & Associates, LLC, 5811 Glenwood Avenue, Suite 109, Raleigh, North Carolina 27612; Attention: Mr. Bill P. Jordan, PE.

8.1 Drawings Furnished with Specifications

Booth & Associates, LLC Tubular Steel Structure Design Drawings have been prepared for The Owner's transmission line. These Drawings are located in the Appendices.

8.2 Drawings Furnished by Manufacturer

8.2.1 Approval Drawings

Before proceeding with fabrication, the manufacturer shall submit for review and approval to the Engineer sufficient Drawings to demonstrate that all parts conform to the requirements and intent of these Specifications. Each set of Drawings shall include those Drawings as outlined in Section 5.0.

For drawing approval, the manufacturer shall submit four (4) sets each of the Drawings.

Approval of Drawings shall not be held to relieve the manufacturer of obligations to meet all requirements in the Specifications, of responsibility for correctness of the

Drawings, or of responsibility to meet original shipping promise on the basis of the Owner being allowed three (3) weeks for approval.

Receipt of Approval Drawings by the manufacturer constitutes authorization for manufacture only, based upon the corrections found thereon.

The Owner's Engineer may require a second submittal of Shop Drawings if, in the opinion of the Engineer, such is required due to the extent of changes required on the first submittal. If an extension of time is required due to a protracted drawing approval process, the price will remain as quoted for the quoted delivery.

8.2.2 Final Drawings

Contingent upon Approval Drawing review and product manufacture, the Bidder shall issue final documentation as follows:

a. One (1) complete set of all Drawings, revised to "as-built" status.
b. One (1) complete set of all Drawings, revised to "as-built" status, released on two (2) separate CD-ROMs, compatible with AutoCAD 2010.
c. All Drawings are to be certified correct and supplied within a reasonable length of time prior to shipment of the equipment.

9.0 Manufacturer's Field Representative

The manufacturer shall include as a separate line item in the Bid Schedule the cost of services of a Field Service Engineer for a period of one (1) working day per unit. The manufacturer is responsible for all travel time and expenses. The duties of the Field Service Engineer shall include supervising installation of component parts removed for shipment, and to perform certain field tests, outlined in the *Technical Specifications*. All associated cost for field service shall be included in the base bid. If the bidder fails to include all costs, an amount of $5,000 per unit will be used for evaluation purposes.

10.0 Payment

10.1 Invoices shall be submitted in triplicate to the Engineer for review and approval. The address for submittal of all invoices is: Booth & Associates, LLC, 5811 Glenwood Avenue, Suite 109, Raleigh, North Carolina 27612; Attention: Bill P. Jordan, PE.

10.2 Payment by the Owner of ninety (90) percent of the purchase price shall be made to the Successful Bidder in a lump sum after delivery.

10.3 There shall be a ten-percent (10%) retainage on invoices until all equipment, with proper instruction books per Specifications, and certified test reports have been approved and accepted by the Owner and the Engineer. The Owner reserves the right to hold this retainage for a period of up to ninety (90) days without penalty to verify completeness of delivery. A ten-percent (10%) Performance Bond may be provided in lieu of retainage provisions. Deviation from the foregoing payment provisions will be considered less than responsive.

GENERAL CONDITIONS

1.0 Drawings and Specifications

The Drawings and Specifications are complementary, one to the other. That which is shown on the Drawings or called for in the Specifications shall be as binding as if it were both called for and shown. The intention of the Drawings and Specifications is to include all labor, materials, transportation, equipment, and any and all other things necessary to do a complete job, which may include manufactured items and field service assistance. In case of discrepancy or disagreement in the Purchase Order, the order of precedence shall be: Purchase Order, Specifications, Drawings.

2.0 Clarifications and Detail Drawings

In such cases where the nature of the work requires clarification by the Engineer, such clarification shall be furnished by the Engineer with reasonable promptness by means of written instructions or Detail Drawings or both. Clarifications and Drawings shall be consistent with the intent of Bidding Documents, and shall become a part thereof.

3.0 Copies of Drawings and Specifications

The Engineer will furnish free of charge to the Bidder one (1) copy of the Drawings and Specifications. Additional sets of these Specifications may be obtained upon request and a non-refundable deposit of Fifty Dollars ($50.00) by approved Bidders.

4.0 Ownership of Drawings and Specifications

All Drawings and Specifications are instruments of service and remain the property of the Engineer whose name appears thereon. The use of these instruments on work other than these Bid Documents without permission is prohibited. All copies of Drawings and Specifications other than final copies shall be returned to the Engineer upon request after completion of the work.

5.0 Royalties, Licenses, and Patents

It is the intention of the Bidding Documents that the work covered herein will not constitute in any way an infringement on patents. The Bidder shall protect and save harmless the Owner against suit on account of alleged or actual infringement. The Bidder shall pay all royalties and/or license fees required on account of patented articles or processes, whether or not the patent rights are evidenced hereinafter.

6.0 Uncorrected Faulty Work

The Bidder shall be notified of faulty or damaged work and shall have the option to respond in a reasonable period of time. Should the correction of faulty or damaged work be considered inadvisable or inexpedient by the Owner or the Engineer, the Owner shall be reimbursed by the Bidder for the same by a deduction in the Purchase Order prices arrived at by a fair estimate of the probable cost of correction, approved by the Engineer.

7.0 Liquidated Damages

The Bidder shall commence manufacturing upon issuance of a Purchase Order from the Owner, and shall fully complete delivery as per the Delivery Schedule in the *Form of Proposal*. For each day in excess of the proposed dates, the Bidder shall make payable to the Owner the sum of five hundred dollars ($500.00) as liquidated damages (and not as a penalty), reasonably estimated in advance to cover the losses to be incurred by the Owner by reason of failure of said Bidder to complete delivery within the time specified, such time being in the essence of this Purchase Order and material consideration thereof.

8.0 Delays and Extension of Time

8.1 The time to be allowed for delivery is stated in the *Form of Proposal.* The Bidder, upon notice of award of the Purchase Order, shall prepare a delivery schedule based on the allowed time and submit such schedule to the Engineer for approval.

8.2 If Bidder is delayed at any time in the progress of the work by any act of negligence by the Owner or the Engineer, by any separate Bidder employed by the Owner, or by changes ordered in the work, then the time of completion shall be extended for such reasonable time as the Engineer may decide.

8.3 No extension of time for completion will be made for ordinary delays and accidents. Extensions may be granted for delays ordered by the Engineer if the request has been made in writing within forty-eight (48) hours after the order to cease work has been given.

9.0 Assignments

The Bidder shall not assign any portion of this Purchase Order nor subcontract in its entirety except as fully explained in the *Form of Proposal* and accepted by the Owner. No funds or sums of money due or to become due to the Bidder under this Purchase Order may be assigned.

10.0 Guarantee

The Bidder shall guarantee his materials and workmanship against defect due to faulty materials, faulty workmanship, or negligence for a period of one (1) full year from date of energization and/or eighteen (18) months from date of delivery, whichever applies. He shall make good such defective materials or workmanship and any damages resulting therefrom without cost to the Owner. Each class of equipment shall carry a full one (1) year warranty against defects from the date of energization.

11.0 Change In Drawings and/or Specifications

The Owner, or the Engineer on behalf of the Owner, may make changes to Drawings and/or Specifications after award of the Purchase Order or while fabrication is in progress. The compensation for such changes shall be agreed upon in writing between the Bidder and the Owner prior to commencement of work involving the change. No payment shall be made to the Bidder for correcting work not in compliance with Specifications.

12.0 Insurance

During the term of the Contract, the Bidder at its sole cost and expense shall provide commercial insurance of such type and with such terms and limits as may be reasonably associated with the Contract. As a minimum, the Bidder shall provide and maintain the following coverage and limits:

12.1 Worker's Compensation - The Bidder shall provide and maintain Worker's Compensation Insurance, as required by the laws of North Carolina, as well as employer's liability coverage with minimum limits of $1,000,000.00, covering all of Bidder's employees who are engaged in any work under the Contract. If any work is sublet, the Bidder shall require the subcontractor to provide the same coverage for any of his employees engaged in any work under the Contract.

12.2 Commercial General Liability - General Liability Coverage on a Comprehensive Broad Form on an occurrence basis in the minimum amount of $1,000,000.00 Combined Single Limit. (Defense cost shall be in excess of the limit of the liability.)

12.3 Automobile - Automobile Liability Insurance, to include liability coverage, covering all owned, hired, and non-owned vehicles, used in connection with the Contract. The minimum combined

single limit shall be $150,000.00 uninsured/under insured motorist; and $1,000.00 medical payment.

- Public Liability Insurance for bodily injury or death $1,000,000 for one person, and $2,000,000 for each accident.
- Property Damage Insurance $2,000,000 for each accident and $2,000,000 aggregate for accidents during the policy period.

12.4 Motor Vehicle Liability Insurance shall be for not less than the following amounts:

- Bodily injury or death $1,000,000 for one person and $2,000,000 for each accident.
- Property damage is $2,000,000 for each accident.

12.5 Copies of Certificates of Insurance for all aforementioned policies shall be furnished by the Bidder and shall be attached to the respective pages of the Contract Agreement at the time of signing.

12.6 It shall be understood that the above-required insurance shall not be canceled or changed until thirty (30) days after written notice of such termination or alteration has been sent by registered mail to GUC Procurement Coordinator.

PROCUREMENT COORDINATOR:
Greenville Utilities Commission.
401 South Greene Street
Greenville, North Carolina 27835

12.7 Each certificate must not terminate before the contract completion date.

Requirements - Providing and maintaining adequate insurance coverage is a material obligation of the Bidder and is of the essence of this Contract. All such insurance shall meet all laws of the State of North Carolina. Such insurance coverage shall be obtained from companies that are authorized to provide such coverage and that are authorized by the Commissioner of Insurance to do business in North Carolina. The Bidder shall at all times comply with terms of such insurance policies, and all requirements of the insurer under any such insurance policies, except as they may conflict with existing North Carolina laws or this Contract. The limits of coverage under each insurance policy maintained by the Bidder shall not be interpreted as limiting the Bidder's liability and obligations under the Contract.

13.0 Inspection at Bidder's Site

The Owner reserves the right to inspect, at a reasonable time, the equipment/item, plant or other facilities of a prospective Bidder prior to Contract award, and during the Contract term as necessary for the Owner's determination that such equipment/item, plant or other facilities conform with the specifications/requirements and are adequate and suitable for the proper and effective performance of the Contract.

14.0 Advertising

Bidder agrees not to use the existence of this Contract or the name of the Owner as part of any commercial advertisement.

15.0 Access to Persons and Records

An independent auditor shall have access to persons and records as a result of all Contracts or grants entered into by the Owner in accordance with General Statue 147-64.7 insofar as they relate to transactions with the Owner.

16.0 Equal Employment Opportunity, Minority Business Participation Program

During the performance of this work, the Bidder agrees as follows:

16.1 The Bidder will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, political affiliation or belief, age, or physical handicap. The Bidder will take affirmative action to insure that applicants are employed and that employees are treated during employment without regard to race, color, religion, sex, national origin, political affiliation or belief, age, or physical handicap. Such action shall include but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training, including apprenticeship. The Bidder agrees to post in conspicuous places available to employees and applicants for employment notices setting forth the nondiscrimination clause.

16.2 The Bidder, in all solicitations or advertisements for employees placed by or on behalf of the Bidder, will state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, political affiliation or belief, age, or physical handicap.

16.3 The Bidder will send to each labor union or representative of workers with which he has a collective bargaining agreement or other Purchase Order or understanding, a notice advising the labor union or workers' representative of the Bidder's commitments under the Equal Employment Opportunity Section of this Specification and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

16.4 In the event of the Bidder's noncompliance with the nondiscrimination clauses of this Specification or with any of such rules, regulations, or orders, the Purchase Order may be canceled, terminated, or suspended in whole or in part and the Bidder may be declared ineligible for further Owner contracts.

16.5 The Bidder will include the provisions of this section in every Subcontract or Purchase Order unless exempted by rules, regulations, or orders of the Owner, so that such provisions will be binding upon each Subcontractor.

16.6 The Owner has adopted an Affirmative Action and Minority and Women Business Enterprise Plan (M/WBE) Program. Firms submitting a proposal are attesting that they also have taken affirmative action to ensure equality of opportunity in all aspects of employment, and to utilize M/WBE suppliers of materials and/or labor.

17.0 Indemnification

Bidder agrees to indemnity and save GUC of the City of Greenville, Pitt County, North Carolina, and the City of Greenville, North Carolina, its co-owners, joint-venturers, agents, employees, and insurance carriers harmless from any and all Third Party claims, actions, costs, expenses, including reasonable attorney fees, judgments, or other damages resulting from injury to any person (including injury resulting in death), or damage (including loss or destruction) to third party tangible property arising out of the negligent performance of the terms of this Contract by Bidder; including, but not limited to, Bidder's employees, agents, subcontractors, and others designated by Bidder to perform work or services in, about, or attendant to, the work and services under the terms of this Contract. Bidder shall not be held responsible for any losses, expenses, claims, subrogation, actions, costs, judgments, or other damages, directly and proximately caused by the negligence of Greenville Utilities Commission of the City of Greenville, Pitt County, North Carolina. Insurance covering this indemnity agreement by Bidder in favor of Greenville Utilities Commission of the City of Greenville, Pitt County, North Carolina, and the City of Greenville, North Carolina, shall be provided by the Bidder.

18.0 Mediation/Binding Arbitration

In the event of any dispute between the Parties, the Parties agree to submit any dispute to non-binding mediation before a mutually agreeable Mediator prior to initiating litigation. If the Parties are unable to agree upon a Mediator within thirty (30) days after demand therefore, either Party may petition a Court of competent jurisdiction for the designation of a qualified Mediator for these purposes. Each Party shall bear its own costs and expenses of participating in the mediation (including, without limitation, reasonable attorneys' fees), and each Party shall bear one-half (1/2) of the costs and expenses of the Mediator. Unless otherwise agreed, the Parties will hold the mediation in Greenville, North Carolina. The matters discussed or revealed in the mediation session shall not be disclosed in any subsequent litigation.

In the event the matter is not resolved in mediation, either Party may request arbitration. The parties shall jointly select an Arbitrator, and shall be bound by the decision of the Arbitrator with respect to any dispute between the parties with respect to this Agreement. If the parties are unable to mutually agree upon an Arbitrator, the Parties shall each select an Arbitrator, and the two Arbitrators so selected shall select a third Arbitrator, and the decision of the majority of the Arbitrators shall be conclusive and binding upon the Parties. The Parties at all times agree to equally split the costs of any Arbitrator(s) selected in an effort to resolve the dispute between the Parties. Any party desiring to resolve a dispute under the terms of this Agreement shall notify the other Party in writing, and the Parties shall seek to agree upon a mutually agreed-upon Arbitrator within a period of ten (10) days from the date of such written demand. If the Parties are unable to agree within such ten (10) day period, the Parties shall each select an Arbitrator, and the two (2) Arbitrators so selected shall select a third Arbitrator within fifteen (15) days from the date of the written demand for arbitration, and a decision shall be rendered by the Arbitrator(s) so selected within five (5) days after such Arbitrator(s) is selected.

19.0 Government Restrictions

In the event any Governmental restrictions may be imposed which would necessitate alteration of the material, quality, workmanship, or performance of the items offered on this bid prior to their delivery, it shall be the responsibility of the successful Bidder to notify the GUC Procurement Coordinator, at once, indicating in its letter the specific regulation which required such alterations. GUC reserves the right to accept any such alterations, including any price adjustments occasioned thereby, or, in the sole discretion of GUC, to cancel the contract.

20.0 Patents And Copyrights

The Bidder shall hold and save GUC, its officers, agents, and employees, harmless from liability of any kind, including costs and expenses, including reasonable attorney fees, on account of any copyrighted articles or any patented or unpatented invention, device or appliance manufactured or used in the performance of this contract.

21.0 Patent And Copyright Indemnity

The Bidder will defend or settle, at its own expense, any action brought against GUC to the extent that it is based on a claim that the product(s) provided pursuant to this agreement infringe any U.S. copyright or patent; and will pay those costs, damages, and attorney fees finally awarded against GUC in any such action attributable to any such claim, but such defense, settlements, and payments are conditioned on the following: (1) that Bidder shall be notified promptly in writing by GUC of any such claim; (2) that Bidder shall have sole control of the defense of any action on such claim and of all negotiations for its settlement or compromise; (3) that GUC shall cooperate with Bidder in a reasonable way to facilitate the settlement of defense of such claim; (4) that such claim does not arise from GUC modifications not authorized by the Bidder or from the use of combination of products provided by the Bidder with

products provided by GUC or by others; and (5) should such product(s) become, or in the Bidder's opinion likely to become, the subject of such claim of infringement, then GUC shall permit Bidder, at Bidder's option and expense, either to procure for GUC the right to continue using the product(s), or replace or modify the same so that it becomes non-infringing and performs in a substantially similar manner to the original product.

22.0 Exceptions

All proposals are subject to the terms and conditions outlined herein. All responses will be controlled by such terms and conditions and the submission of other terms and conditions, price catalogs, and other documents as part of a Bidder's response will be waived and have no effect on this Request for Proposal or any other contract that may be awarded resulting from this solicitation. The submission of any other terms and conditions by a Bidder may be grounds for rejection of the Bidder's proposal. The Bidder specifically agrees to the terms and conditions set forth in this set of Terms and Conditions by affixing its name on the signatory page contained herein.

23.0 Confidential Information

GUC will keep trade secrets which the Bidder does not wish to be disclosed, except as provided by statute and rule of law. Each page shall be identified in boldface at the top and bottom as "CONFIDENTIAL" by the Bidder. Cost information shall not be deemed confidential. The determination of whether a matter is confidential will be determined by North Carolina law.

24.0 Assignment

No assignment of the Bidder's obligations or the Bidder's right to receive payment hereunder shall be permitted without the express written consent of GUC, provided however, upon written request approved by the GUC Procurement Coordinator, solely as a convenience to the Bidder, GUC may:

- Forward the Bidder's payment check directly to any person or entity designated by the Bidder, and
- Include any person or entity designated by Bidder as a joint payee on the Bidder's payment check.
- In no event shall such approval and action obligate GUC to anyone other than the Bidder, and the Bidder shall remain responsible for fulfillment of all contract obligations.

25.0 Availability Of Funds

Any and all payments of compensation of this specific transaction and any continuation or any renewal or extension are dependent upon and subject to the allocation of GUC funds for the purpose set forth in this Agreement.

26.0 Governing Laws

All contracts, transactions, agreements, etc., are made under and shall be governed by and construed in accordance with the laws of the State of North Carolina.

27.0 Administrative Code

Bids, proposals, and awards are subject to applicable provisions of the North Carolina Administrative Code.

28.0 Execution

In the discretion of GUC, failure of a duly authorized official of Bidder to sign the Signatory Page may render the bid invalid.

29.0 Clarifications/Interpretations

Any and all questions regarding these Terms and Conditions must be addressed to the GUC Procurement Coordinator. Do not contact the user directly. **These Terms and Conditions are a complete statement of the parties' agreement and may only be modified in writing signed by Bidder and the GUC Procurement Coordinator.**

30.0 Situs

The place of all contracts, transactions, agreements, their situs and forum, shall be North Carolina, where all matters, whether in contract or tort, relating to the validity, construction, interpretation, and enforcement shall be determined.

31.0 Termination of Agreement

GUC or Bidder may terminate this Agreement for just cause at any time. Bidder will be paid for all time and expenses incurred as of the termination date. Termination for just cause by either party shall be by certified letter and shall be effective thirty (30) days after signed and acknowledged receipt of said letter. Just cause shall be based on reasonable grounds, and there must be a fair and honest cause or reason for such action. The causes for termination, include, but are not limited to: (1) Bidder's persistent failure to perform in accordance with the Terms and Conditions, (2) Bidder's disregard of laws and regulations related to this transaction, and/or (3) Bidder's substantial violation of the provisions of the Terms and Conditions

32.0 Force Majeure

Neither party shall be considered in default in the performance of its obligations hereunder to the extent that the performance of any such obligation is prevented or delayed by any cause, existing or future, which is beyond the reasonable control of such party. In any such event of force majeure, the parties shall advise each other of such event, and the parties shall negotiate an equitable adjustment to their respective obligations under this Agreement.

33.0 Integrated Contract

These Terms and Conditions, Instructions to Bidders, Specifications, and the selected Bidder's bid represents the entire contract between the Parties. No verbal or other written agreement(s) shall be held to vary the provisions of this Agreement.

34.0 Contract Provisions

Each of the provisions of these Terms and Conditions shall apply to the full extent permitted by law, and the invalidity in whole or in part of any provision shall not affect the remainder of such provision or any other provisions.

35.0 E-Verify

E-Verify - I understand that E-Verify is the federal E-Verify program operated by the United States Department of Homeland Security and other federal agencies, or any successor or equivalent program used to verify the work authorization of newly hired employees pursuant to federal law in accordance with NCGS §64-25 et seq. I am aware of and in compliance with the requirements of E-Verify and Article 2 of Chapter 64 of the North Carolina General Statutes. To the best of my knowledge, any subcontractors employed by me as a part of this contract are in compliance with the requirements of E-Verify and Article 2 of Chapter 64 of the North Carolina General Statutes.

36.0 Iran Divestment Act Certification

By acceptance of this purchase order, Vendor/Contractor certifies that, as of the date of the purchase order or contract, it is not on the Final Divestment List as created by the State Treasurer pursuant to N.C.G.S. § 143-6A-4. In compliance with the requirements of the Iran Divestment Act and N.C.G.S. § 143C-6A-5(b), Vendor/Contractor shall not utilize in the performance of the contract any subcontractor that is identified on the Final Divestment List

37.0 Notices

Notices to the Parties should be sent to the names and addresses specified below:

Mr. Cleve Haddock
Purchasing, Procurement Coordinator
Greenville Utilities Commission
P.O. Box 1847
Greenville, NC 27835-1847

CONTRACT AGREEMENT

THIS CONTRACT, made this_____day,_____2016, by _____, hereinafter called Bidder, and GREENVILLE UTILITIES COMMISSION (GUC) OF THE CITY OF GREENVILLE, PITT COUNTY, NORTH CAROLINA, a corporation, hereinafter called the Owner.

WITNESSETH

THAT WHEREAS, a Contract for

TUBULAR STEEL STRUCTURES FOR THE
230 POD TO BELLS FORK 115 kV TRANSMISSION LINE

has recently been awarded to Bidder by the Owner at and for a total price of _____($_____) named in the Bidder's Proposal attached hereto;

AND WHEREAS, it was provided in said award that a formal Contract would be executed by and between Bidder and Owner, evidencing the terms of said award, and that Bidder would commence the work to be performed under this agreement on a date to be specified in a written order of Owner, and would fully complete all work thereunder no later than_____days from the date of contract.

NOW, THEREFORE, Bidder doth hereby covenant and agree with Owner that it will well and faithfully perform and execute such work and furnish such work and furnish such materials and equipment in accordance with each and every one of the conditions, covenants, stipulations, terms, and provisions contained in said Specifications in accordance with the Plans, at the total price named therefore in the Bidder's Proposal attached hereto, and will well and faithfully comply with and perform each and every obligation imposed upon it by said Plans and Specifications and the terms of said award.

Bidder shall promptly make payments to all laborers and others employed thereon.

Bidder shall be responsible for all damages to the property of the Owner that may be consequent upon the normal procedure of its work or that may be caused by or result from the negligence of Bidder, its employees, or agents during the progress of or connected with the prosecution of the work, whether within the limits of the work or elsewhere. Bidder must restore all property so injured to a condition as good as it was when Bidder entered upon the work.

By execution of this Contract, both parties acknowledge the following conditions as a part of their respective obligations:

a) Governing Law - This Contract shall be construed and enforced in accordance with the laws of the State of North Carolina. All parties agree to the jurisdiction of the Courts of North Carolina with respect to any action or dispute arising between the parties.

b) Further Assurances - The parties hereto agree to execute and deliver any and all papers and documents which may be necessary to carry out the terms of this Contract.

c) Entire Contract - This Contract (including materials incorporated herein by reference) constitutes the entire agreement between the parties hereto and there are no agreements, representations, or warranties which are not set forth herein. All prior negotiations, agreements, and understandings are superseded hereby. This Contract may not be amended or revised except by a writing signed by all parties hereto. This Contract shall be construed and interpreted without any presumption either for or against the party who caused its preparation.

d) Binding Effect - This Contract shall be binding upon an inure to the benefit of the heirs, legal representatives, successors and assigns of the respective parties hereto, provided that this Contract and all rights hereunder may not be assigned by any party hereto without the written consent of the other party.

e) Time of Performance - Time is of the essence with regard to the performance of this Contract.

f) Survivability - The terms of this Contract shall survive execution and delivery of any deeds or bills of sale called for hereunder.

g) Headings - The headings in the paragraphs of this Contract are inserted for convenience only and do not constitute a part hereof.

Bidder shall furthermore be responsible for and required to make good at its expense any and all damages of whatever nature to persons or property arising during the period of the Contract caused by carelessness, neglect, or want of due precaution on the part of Bidder, its agents, employees, or workmen. Bidder shall also indemnify and save harmless the Owner, and the officers and agents thereof, from all third party claims, suits, and proceedings of every name and description which may be brought against the Owner, or the officers and agents thereof, for or on account of any injuries or damages to persons or property received or sustained by any person or persons, firm, or corporation, by or in consequence of any materials used in said work, to the extent caused by the negligence of Bidder, its agents, employees, servants, or workmen.

It is agreed and understood that the Notice to Prospective Bidders, Definitions, Instructions to Bidders, and Technical Specifications, the accepted Bidder's Proposal, and the enumerated addenda are incorporated in this Contract by reference and are an integral part thereof as set forth herein.

And the Owner doth hereby covenant and agree with Bidder that it will pay to Bidder, when due and payable under the terms of said Specifications and said award, the above-mentioned sum; and that it will well and faithfully comply with and perform each and every obligation imposed upon it by said Specifications and the terms of said award.

Bidder shall, upon completion of all work awarded under this Contract, furnish to the Owner invoices or copies of invoices for all materials purchased for said work; and such invoices shall state the amount of North Carolina sales tax paid for said materials. Bidder shall also furnish the Owner an affidavit certifying the total costs of materials purchased for all work performed under the Contract and the total amount of state sales tax paid for said materials.

Whenever used herein, the singular shall include the plural, the plural the singular, and the use of any genders shall be applicable to all genders as the context may require.

PROVIDE CURRENT LIABILITY INSURANCE CERTIFICATE(S)
General Conditions, 12.0 Insurance

COVERAGES:

1. Workmen's Compensation Insurance shall include all of the Bidder's employees employed at the site of the project under his Contract. In case any class of employees engaged in hazardous work under this Contract at the site of the project is not protected under the Workmen's Compensation Statute, the Bidder shall provide adequate coverage for the protection of his employees not otherwise protected.

2. Public Liability and Property Damage Insurance shall be in such amounts as to adequately protect the Owner and the Bidder from claims for damages for personal injury, including accidental death, as well as from claims for property damages which may arise from operations under this Contract, whether such operations be by himself or by anyone directly or indirectly employed by him. The amount of such insurance shall be for the following:

   Public Liability Insurance for bodily injury or death $1,000,000 for one person, and $2,000,000 for each accident.

   Property Damage Insurance $2,000,000 for each accident and $2,000,000 aggregate for accidents during the policy period.

3. Motor Vehicle Liability Insurance shall be for the following amounts:

   Bodily injury or death $1,000,000 for one person and $2,000,000 for each accident.

   Property damage is $2,000,000 for each accident.

Copies of Certificates of Insurance for all aforementioned policies shall be furnished by the Bidder and shall be attached to the respective pages of the Contract Agreement at the time of signing.

It shall be understood that the above-required insurance shall not be canceled or changed until thirty (30) days after written notice of such termination or alteration has been sent by registered mail to the certificate holder.

CERTIFICATE HOLDER:

Greenville Utilities Commission
401 South Green Street
Greenville, NC 27835-1847 Contact: Mr. Cleve Haddock
Phone: 252-551-1533

EXPIRATION:

Each certificate must not terminate before the contract completion date.

IN TESTIMONY WHEREOF, Bidder and Owner have duly signed and sealed this Contract.

BIDDER:

(Imprint Corporate Seal Below this line) _____(SEAL)

By _____(SEAL)

Title President

ATTEST:

By:

Title: Secretary

GREENVILLE UTILITIES COMMISSION (GUC) OF THE CITY OF GREENVILLE, PITT COUNTY, NORTH CAROLINA

By _____
Anthony C. Cannon

Title: General Manager / CEO

ATTEST:

By: _____
Amy Carson Quinn

Title: Executive Secretary

APPROVED AS TO FORM AND LEGALITY:

By: _____
Phillip R. Dixon

Title: General Counsel

CONTRACT INSTRUCTIONS

INSTRUCTIONS FOR PROPER SIGNING

If Bidder is an individual, sign on first line only and designate trade name below first line, thus:

John Jones (SEAL)
Trading as Jones Paving Company

If Bidder is a partnership, sign partnership name on first line; have at least one general (not limited) partner sign on second line, and put his designation as partner on third line, thus:

JONES PAVING COMPANY (SEAL)

By John Jones (SEAL)

Title General Partner

If Bidder is a corporation, sign corporate name on first line (exactly) as such appears on the corporate seal, have the President or a Vice President sign on second line, put his title on third line, have the Secretary or Assistant Secretary sign on the left "Attest" line (adding the word "Assistant" before the word "Secretary" if the Assistant Secretary is signing), and imprint corporate seal above the word "Attest", thus:

JONES PAVING COMPANY, INC (SEAL)

By John Jones (SEAL)

Title President

ATTEST:

Thomas Jones
Assistant Secretary

CERTIFICATE OF ATTORNEY

GREENVILLE UTILITIES COMMISSION (GUC)
OF THE CITY OF GREENVILLE,
PITT COUNTY, NORTH CAROLINA

This is to certify I have examined the attached Contract Documents, and after such examination I am of the opinion that such Documents conform to the laws of the State of North Carolina, the execution of the Contract is in due and proper form, the representatives of the respective contracting parties have full power and authority to execute such Contract on behalf of the respective contracting parties, and the foregoing agreements constitute valid and binding obligations on such parties.

By: _____
Phillip R. Dixon

Title: General Counsel

Date: _____

This instrument has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act.

By: _____
Jeff W. McCauley

Title: Chief Financial Officer

Date: _____

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

TUBULAR STEEL STRUCTURES FOR THE
230 POD TO BELLS FORK 115 kV TRANSMISSION LINE

FORM OF PROPOSAL

*(Provide **one** original and **one** copy)*

Respectfully submitted this ____ day of _____, 2016

OWNER:	**BIDDER:**
Greenville Utilities Commission 401 South Greene Street Greenville, North Carolina 27834 P.O. Box 1847 Greenville, North Carolina 27835 Mr. Cleve Haddock Purchasing, Procurement Coordinator Office: 252-551-1533 Cell: 252-551-3302	NAME TITLE STREET ADDRESS CITY/STATE/ZIP PHONE: FAX: E-MAIL: SIGNATURE
SUPPLIER OF PROPOSED EQUIPMENT MANUFACTURER STREET ADDRESS CITY/STATE/ZIP	

TERMS AND CONDITIONS

1. The undersigned (hereinafter called the "Bidder") hereby proposes to sell and deliver to the Owner upon the terms and conditions herein stated, the materials, equipment, and services (hereinafter called the "Material") specified in the Bid Schedule(s) attached hereto, and by this reference made a part hereof, for the Materials for the Owner, and:

   a. These bid documents that include *Notice to Prospective Bidders*, *Instructions to Bidders*, *General Conditions*, and *Technical Specifications* for the prefabricated metal relay control house.
   b. Manufacturer's specifications, both as set forth herein and in Manufacturer's literature (two [2] sets) attached hereto, or furnished separately as provided for in the *Instructions to Bidders*;
   c. Legal negotiations, with low bidder only, after bids are opened, for budgetary compliance.

2. The prices as quoted herein:

   a. Are firm unless otherwise stated,
   b. Are FOB to the location(s), as outlined in the *Instructions to Bidders*,
   c. Do include the cost of delivery to the site at the Bidder's Risk, assuming unloading by Others, and
   d. Have state sales tax shown as a separate item, if applicable.

3. Invoice shall list the appropriate state sales tax as a separate item.

4. The Bidder further declares that he has examined the site of the work and informed himself fully regarding all conditions pertaining to the location where the Material is to be delivered; that he has examined the *Technical Specifications* for the work and Bid Documents relative thereto; has read all special provisions furnished prior to the opening of the bids; and that he has satisfied himself relative to the work to be performed.

5. The Bidder proposes and agrees if the following Bid Schedule(s) in this Proposal is accepted, to contract with the Owner, in the form of a purchase order specified, to furnish all necessary equipment and materials, except materials and equipment specified to be furnished by the Owner, complete in accordance with the Bid Documents, to the full and entire satisfaction of the Owner, with a definite understanding that no money will be allowed for extra work except as set forth in the *General Conditions*, and as filed on Change Order Forms.

6. The materials will conform to the *Technical Specifications* attached hereto and made a part hereof.

7. The Material prices set forth herein do not include any sums which are or may be payable by the Bidder on account of State Sales Tax upon the sale, purchase or use of the material. If any such tax is applicable to the sale, purchase or use of the material hereunder, the amount thereof shall be added to the purchase price and paid by the Owner after the Bidder has ascertained the actual sales tax to be included in the purchase order price.

8. The Owner reserves the right to accept any schedule, combination of schedules, or any portion of a schedule.

9. A *Form of Exceptions* to the *Technical Specifications*, prepared in accordance with the *Instructions to Bidders*, is attached hereto. The Bidder shall document any exceptions with deviation from the bid documents and specifications in the *Form of Proposal*. Otherwise, the complete compliance is assumed.

10. Proposals shall include a complete bill of materials, identifying each item by catalog number, manufacturer, ratings, characteristics, types, sizes, etc., of all materials and equipment required for a complete and coordinated substation. A simple statement that all necessary materials and equipment will be provided is not acceptable.

11. Title to the materials shall pass to the Owner upon delivery to the location(s) specified in the *Instructions to Bidders*.

12. The Bidder warrants that the Materials will conform to the performance data and guarantees which are attached hereto and by this reference made a part thereof.

13. The Bidder warrants the accuracy of all statements contained in the Bidders Qualifications, if any shall be submitted, and agrees that the Owner shall rely upon such accuracy as a condition of the Purchase Order in the event that this Proposal is accepted.

14. By the submission of this bid, the Bidder certifies that:

    a. The bid has been arrived at by the Bidder independently and has been submitted without collusion with any other Bidder of materials, supplies, or equipment of the type described in the *Notice to Prospective Bidders* or the *Technical* Specifications, and

    b. The contents of the bid have not been communicated by the Bidder, nor, to its best knowledge and belief, by any of its employees or agents, to any person not an employee or agent of the Bidder or its Surety on any Bond furnished herewith, and will not be communicated to any person prior to the official opening of the bid.

15. The Bidder further agrees that in case of failure on his part to accept said purchase order within ten (10) consecutive calendar days after written notice has been given of the award of the Purchase Order, the Bid Security accompanying this bid, and the monies payable thereon, shall be paid into the funds of the Owner account set aside for this project, as liquidated damages for such failure; otherwise the check or cash accompanying the *Form of Proposal* shall be returned to the Bidder.

16. If, in submitting this Proposal, the Bidder has made any change in the *Form of Proposal*, the Bidder understands that the Owner may evaluate the effect of such change as they see fit or they may exclude the Proposal from consideration in determining the issue of Purchase Order.

BID SCHEDULES

BID SCHEDULE NO. 1 – Base Bid – Tubular Steel Structures

DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
Design and furnish Tubular Steel Structures for the 230 POD to Bells fork 115 kV Transmission Line, all as per Specifications, including delivery to the site.		$	$

BASE BID ONLY: $ _____

State Sales Tax (If Applicable) $ _____

BID SCHEDULE NO. – Delivery Schedule

The prices of each pole and/or vibratory caisson set forth herein shall include the cost of delivery to each site at the Bidder's risk. The schedule of delivery shall be as follows:

Poles and Vibratory Caissons shall be delivered no later than Friday, January 27, 2017

Item	Delivery Schedule (Days) *
Submittal of Approval Drawings	
Submittal of Final Drawings**	
Delivery of Materials **	

* After the receipt of the written order of the Owner in consecutive calendar days

** Allow two (2) weeks for Engineer's review and turnaround for all Drawing submittals. *The Owner requests deliveries be scheduled to the site in an organized and timely manner. Deliveries shall be steady, with no more than five (5) business days between trucks, and not-to-exceed six (6) weeks duration from start to finish.*

BID SCHEDULE NO. 1 – Field Service Engineering (Per day rate for additional days)

Per Day Rate (including expenses) for field service engineering: $_____/Day

Rate per one round trip (Including expenses) to the site: $_____/Day

AFFIDAVIT OF BIDDER

The final payment of retained amount due the Bidder on account of the Purchase Order shall not become due until the Bidder has furnished to the Owner through the Engineer an affidavit signed, sworn, and notarized to the effect that all payments for Material, services, or any other reason in connection with this Purchase Order have been satisfied and that no claims or liens exist against the Bidder in connection with this Purchase Order. In the event that the Bidder cannot obtain similar affidavits from Subcontractors to protect the Bidder and the Owner from possible liens or claims against the Subcontractor, the Bidder shall state in his affidavit that no claims or liens exist against any Subcontractor, and if any liens or claims appear afterward, the Bidder shall save the Owner harmless on account thereof.

Bidder: _____

By: _____

Date: _____

FORM OF EXCEPTIONS

BIDDER: _____

OWNER: GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

PROJECT DESCRIPTION TUBULAR STEEL STRUCTURES FOR THE 230 POD TO BELLS FORK 115 kV TRANSMISSION LINE

INSTRUCTIONS: The following is a list of exceptions to the Bidding Documents and/or Technical Specifications pertaining to the furnishing of the subject materials. Bidders shall identify each exception by Specification page and paragraph number on this form. The omission of exception implies complete compliance with Plans and Specifications.

BID DOCUMENT/ SPECIFICATION PAGE NO. AND PARAGRAPH	EXCEPTION/VARIATION

BID DOCUMENT/ SPECIFICATION PAGE NO. AND PARAGRAPH	EXCEPTION/VARIATION

BID BOND

KNOW ALL MEN BY THESE PRESENT, THAT WE _____

_____

_as Principal, and _____

as Surety, who is duly licensed to act as Surety in North Carolina, are held and firmly bound unto the Greenville Utilities Commission, Greenville, North Carolina, as Obligee, in the penal sum of _____

_____ DOLLARS ($_____

_____) (5% Bid Bond), lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these present.

SIGNED, Sealed and dated this _____ day of _____, 2015.

WHEREAS, the said Principal is herewith submitting a Proposal for

TUBULAR STEEL STRUCTURES FOR THE
230 POD TO BELLS FORK 115 kV TRANSMISSION LINE

and the Principal desires to file this Bid Bond in lieu of making the cash deposit as required by the bidding documents contained herein;

NOW, THEREFORE, THE CONDITION OF THE ABOVE OBLIGATION is such that if the principal shall be awarded the Contract for which the bid is submitted and shall accept the Contract within ten (10) days after the award of same to the principal, then this obligation shall be null and void; but if the principal fails to so accept such Contract as required by the bidding documents contained herein, the Surety shall, upon demand, forthwith pay to the Obligee the amount set forth in the first paragraph hereof, and upon failure to forthwith make such payment, the Surety shall pay the Obligee an amount equal to double the amount of this Bid Bond as set forth in the first paragraph hereof. Power of Attorney from the Surety to its Attorney-in-Fact is attached hereto.

_____
Principal

By _____(SEAL)

_____
Corporate Surety

By _____(SEAL)

Letter of Compliance to E-Verify for Greenville Utilities Commission

1. I have submitted a bid for contract or desire to enter into a contract with the Greenville Utilities Commission;

2. As part of my duties and responsibilities pursuant to said bid and/or contract, I affirm that I am aware of and in compliance with the requirements of E-Verify, Article 2 of Chapter 64 of the North Carolina General Statutes, to include (mark which applies):

3. ____ After hiring an employee to work in the United States I verify the work authorization of said employee through E-Verify and retain the record of the verification of work authorization while the employee is employed and for one year thereafter; or

4. ____ I employee less than twenty-five (25) employees in the State of North Carolina.

5. As part of my duties and responsibilities pursuant to said bid and/or contract, I affirm that to the best of my knowledge and subcontractors employed as a part of this bid and/or contract, are in compliance with the requirements of E-Verify, Article 2 of Chapter 64 of the North Carolina General Statutes, to include (mark which applies):

6. ____ After hiring an employee to work in the United States the subcontractor verifies the work authorization of said employee through E-Verify and retains the record of the verification of work authorization while the employee is employed and for one year thereafter; or

7. ____ Employ less than twenty-five (25) employees in the State of North Carolina.

Specify subcontractor: _____

_____ (Company Name)

By: _____ (Typed Name)

_____ (Authorized Signatory)

_____ (Title)

_____ (Date)

LETTER OF COMPLIANCE TO THE IRAN DIVESTMENT ACT CERTIFICATION

Name of Vendor or Bidder: _____

_____

IRAN DIVESTMENT ACT CERTIFICATION REQUIRED BY N.C.G.S. 143C-6A-5(a)

As of the date listed below, the vendor or bidder listed above is not listed on the Final Divestment List created by the State Treasurer pursuant to N.C.G.S. 143-6A-4.

The undersigned hereby certifies that he or she is authorized by the vendor or bidder listed above to make the foregoing statement.

_____

_____

Signature Date

_____

Printed Name Title

GREENVILLE UTILITIES COMMISSION

By: _____
Anthony C. Cannon

Title: General Manager/CEO
(Authorized Signatory)

Date: _____

Attest: _____

Name (Print): Amy Carson Quinn

Title: Executive Secretary

Date: _____

(OFFICIAL SEAL)

COMPANY NAME:

By: _____

Name (Print): _____

Title: _____
(Authorized Signatory)

Date: _____

Attest: _____

Name (Print): _____

Title: Secretary

Date: _____

(OFFICAL SEAL)

This instrument has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act.

By: _____
Jeff W. McCauley

Title: Chief Financial Officer

Date: _____

APPROVED AS TO FORM AND LEGAL CONTENT:

By: _____
Phillip R. Dixon

Title: General Counsel

Date: _____

INSERT

ADDENDA / CLARIFICATIONS / BULLETINS

Instructions to Bidders, 5. Bulletins and Addenda

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

TUBULAR STEEL STRUCTURES
FOR THE
230 POD TO BELLS FORK
115 kV TRANSMISSION LINE

SCHEDULE 1

STEEL TRANSMISSION STRUCTURES
GALVANIZED STEEL A572, GRADE 65
WITH CORROCOTE BELOW GRADE PROTECTION & GROUND SLEEVE

Structure Number	Pole Ht./Class *	Min. Moment Capacity 5' From Top (ft-kips)	Direct Embedment Depth **	Quantity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission & Distribution Poles – Direct Embedded (with Ground Sleeve)							
GUC-TAP-1A	50/S-03.5	27	9'-0"	1		$	$
GUC-TAP-1B	50/S-03.5	27	9'-0"	1		$	$
GUC-TAP-1C	50/S-03.5	27	9'-0"	1		$	$
~~1-1~~ *Omitted*	~~45/S-02.9~~	~~23~~	~~8'-6"~~	~~1~~		~~$~~	~~$~~
~~4-1~~ *Omitted*	~~45/S-02.9~~	~~23~~	~~6'-6"~~	~~1~~		~~$~~	~~$~~
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$

** Pole class designation will be defined by either the current RUS Standard Steel Pole Class or as an Unguyed Designation.*
*** Ground sleeve is to be applied to direct embedment structures at the appropriate height per the "embedment depth" table.*
**** Manufacturer to provide recommendation for bearing plate thickness.*

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

TUBULAR STEEL STRUCTURES
FOR THE
230 POD TO BELLS FORK
115 kV TRANSMISSION LINE

SCHEDULE 1

STEEL TRANSMISSION STRUCTURES
GALVANIZED STEEL A572, GRADE 65
WITH CORROCOTE BELOW GRADE PROTECTION

Structure Number	Pole Ht./Class *	Min. Moment Capacity 5' From Top (ft-kips)	Caisson Diameter	Caisson Thickness	Embed-ment Depth	Quan-tity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission Poles – Vibratory Pole Base (VPB)									
2A	90/ENG	Per LT	3'-0"	0.375"	30'-0"	1		$	$
3A	85/ENG	Per LT	3'-0"	0.375"	30'-0"	1		$	$
2	*110/S-08.0*	*64*	*3'-0"*	*0.375"*	*30'-0"*	*1*		*$*	*$*
3	*110/S-09.0*	72	3'-0"	0.375"	30'-0"	1		$	$
4	105/S-08.0	64	3'-0"	0.375"	25'-0"	1		$	$
5	105/S-06.5	50	3'-0"	0.375"	25'-0"	1		$	$
6	105/S-05.7	44	3'-0"	0.375"	25'-0"	1		$	$
7	105/S-05.7	44	3'-0"	0.375"	25'-0"	1		$	$
8	*105/S-08.0*	*64*	3'-0"	0.375"	25'-0"	1		$	$
9	105/S-10.0	80	3'-0"	0.375"	25'-0"	1		$	$
10	*105/S-08.0*	*64*	3'-0"	0.375"	25'-0"	1		$	$
11	*110/S-10.0*	80	3'-0"	0.375"	30'-0"	1		$	$
12	*115/S-10.0*	80	3'-0"	0.375"	30'-0"	1		$	$
13	*115/S-12.0*	96	3'-0"	0.375"	35'-0"	1		$	$
15	*110/S-08.0*	*64*	3'-0"	0.375"	30'-0"	1		$	$
16	*115/S-10.0*	*80*	3'-0"	0.375"	35'-0"	1		$	$
17	*110/S-09.0*	72	3'-0"	0.375"	30'-0"	1		$	$
18	105/S-09.0	72	3'-0"	0.375"	25'-0"	1		$	$
19	*105/S-08.0*	64	3'-0"	0.375"	25'-0"	1		$	$
20	95/S-08.0	64	3'-0"	0.375"	20'-0"	1		$	$
21	100/S-10.0	80	3'-0"	0.375"	25'-0"	1		$	$
22	100/S-08.0	64	3'-0"	0.375"	20'-0"	1		$	$

* ***Pole class designation will be defined by either the current RUS Standard Steel Pole Class or as an Unguyed Designation.***

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

TUBULAR STEEL STRUCTURES
FOR THE
230 POD TO BELLS FORK
115 kV TRANSMISSION LINE

SCHEDULE 1

STEEL TRANSMISSION STRUCTURES
GALVANIZED STEEL A572, GRADE 65
WITH CORROCOTE BELOW GRADE PROTECTION

Structure Number	Pole Ht./Class *	Min. Moment Capacity 5′ From Top (ft-kips)	Caisson Diameter	Minimum Caisson Thickness	Embed-ment Depth	Quan-tity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission Poles – Vibratory Pole Base (VPB)									
23	100/S-08.0	64	3′-0″	0.375″	20′-0″	1		$	$
24	95/S-08.0	64	3'-0"	0.375″	20′-0″	1		$	$
25	100/S-08.0	64	3'-0"	0.375″	20′-0″	1		$	$
26	100/S-09.0	72	3'-0"	0.375″	20′-0″	1		$	$
27	100/S-09.0	72	3'-0"	0.375″	20′-0″	1		$	$
28	100/S-09.0	72	3'-0"	0.375″	20′-0″	1		$	$
29	100/S-08.0	64	3'-0"	0.375″	20′-0″	1		$	$
30	*100/S-09.0*	72	3'-0"	0.375″	20′-0″	1		$	$
31	*110/S-08.0*	*64*	3'-0"	0.375″	20′-0″	1		$	$
32	120/S-12.0	96	3'-0"	0.375″	25′-0″	1		$	$
34	*115/S-11.0*	88	3'-0"	0.375″	25′-0″	1		$	$
35	*115/S-11.0*	88	3'-0"	0.375″	25′-0″	1		$	$
36	*115/S-12.0*	*96*	3'-0"	0.375″	25′-0″	1		$	$
37	115/S-11.0	88	3'-0"	0.375″	25′-0″	1		$	$
38	115/S-11.0	*88*	3'-0"	0.375″	25′-0″	1		$	$
39	*120/S-13.0*	*104*	3'-0"	0.375″	30′-0″	1		$	$
39A	*115/S-08.0*	*64*	*3′-0″*	*0.375″*	*25′-0″*	*1*		*$*	*$*
40	*115/S-09.0*	*72*	3'-0"	0.375″	25′-0″	1		$	$
41	*115/S-07.4*	*57*	3'-0"	0.375″	25′-0″	1		$	$
42	*115/S-11.0*	*88*	3'-0"	0.375″	25′-0″	1		$	$
43	*115/S-12.0*	*96*	3'-0"	0.375″	25′-0″	1		$	$
44	*120/S-14.0*	*112*	3'-0"	0.375″	30′-0″	1		$	$
45	115/S-07.4	57	3'-0"	0.375″	25′-0″	1		$	$
46	115/S-07.4	57	3'-0"	0.375″	25′-0″	1		$	$

* ***Pole class designation will be defined by either the current RUS Standard Steel Pole Class or as an Unguyed Designation.***

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

TUBULAR STEEL STRUCTURES
FOR THE
230 POD TO BELLS FORK
115 kV TRANSMISSION LINE

SCHEDULE 1

STEEL TRANSMISSION STRUCTURES
GALVANIZED STEEL A572, GRADE 65
WITH CORROCOTE BELOW GRADE PROTECTION

Structure Number	Pole Ht./Class *	Min. Moment Capacity 5' From Top (ft-kips)	Caisson Diameter	Minimum Caisson Thickness	Embed-ment Depth	Quan-tity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission Poles – Vibratory Pole Base (VPB)									
47	115/S-07.4	57	3'-0"	0.375"	25'-0"	1		$	$
48	115/S-09.0	72	3'-0"	0.375"	25'-0"	1		$	$
49	115/S-10.0	80	3'-0"	0.375"	25'-0"	1		$	$
50	110/S-08.0	64	3'-0"	0.375"	25'-0"	1		$	$
51	110/S-13.0	104	3'-0"	0.375"	25'-0"	1		$	$
52	110/S-09.0	72	3'-0"	0.375"	25'-0"	1		$	$
53	115/S-09.0	72	3'-0"	0.375"	30'-0"	1		$	$
54	125/S-14.0	112	3'-0"	0.375"	35'-0"	1		$	$
55	115/S-09.0	72	3'-0"	0.375"	30'-0"	1		$	$
56	120/ENG	Per LT	4'-0"	0.375"	35'-0"	1		$	$
57	130/ENG	Per LT	4'-0"	0.375"	35'-0"	1		$	$
58	115/ENG	Per LT	3'-0"	0.375"	30'-0"	1		$	$
59	115/S-14.0	112	3'-0"	0.375"	30'-0"	1		$	$
60	115/S-10.0	80	3'-0"	0.375"	30'-0"	1		$	$
61	115/S-11.0	88	3'-0"	0.375"	30'-0"	1		$	$
62	115/S-14.0	112	3'-0"	0.375"	30'-0"	1		$	$
63	115/S-10.0	80	3'-0"	0.375"	30'-0"	1		$	$
64	115/S-09.0	72	3'-0"	0.375"	30'-0"	1		$	$
65	120/ENG	Per LT	3'-0"	0.375"	35'-0"	1		$	$
66	120/ENG	Per LT	3'-0"	0.375"	35'-0"	1		$	$
67	120/ENG	Per LT	3'-0"	0.375"	35'-0"	1		$	$
68	120/S-15.0	120	3'-0"	0.375"	35'-0"	1		$	$
69	120/S-11.0	88	3'-0"	0.375"	35'-0"	1		$	$
70	120/S-14.0	112	3'-0"	0.375"	35'-0"	1		$	$

** Pole class designation will be defined by either the current RUS Standard Steel Pole Class or as an Unguyed Designation.*

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

TUBULAR STEEL STRUCTURES
FOR THE
230 POD TO BELLS FORK
115 kV TRANSMISSION LINE

SCHEDULE 1

STEEL TRANSMISSION STRUCTURES
GALVANIZED STEEL A572, GRADE 65
WITH CORROCOTE BELOW GRADE PROTECTION

Structure Number	Pole Ht./Class *	Min. Moment Capacity 5' From Top (ft-kips)	Caisson Diameter	Minimum Caisson Thickness	Embed-ment Depth	Quan-tity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission Poles – Vibratory Pole Base (VPB)									
71	*120/S-14.0*	112	3'-0"	0.375"	35'-0"	1		$	$
72	*110/S-12.0*	*96*	3'-0"	0.375"	*25'-0"*	1		$	$
72A	*105/S-10.0*	*80*	*3'-0"*	*0.375"*	*20'-0"*	*1*		*$*	*$*
73	*120/S-13.0*	*104*	3'-0"	0.375"	35'-0"	1		$	$
74	*110/S-12.0*	96	3'-0"	0.375"	25'-0"	1		$	$
75	*110/S-15.0*	*120*	*3'-0"*	0.375"	*25'-0"*	1		$	$
75A	*110/S-14.0*	*112*	*3'-0"*	*0.375"*	*25'-0"*	*1*		*$*	*$*
76	*110/S-13.0*	*104*	*3'-0"*	0.375"	25'-0"	1		$	$
77	*110/S-14.0*	112	3'-0"	0.375"	25'-0"	1		$	$
78	*110/S-13.0*	*104*	3'-0"	0.375"	25'-0"	1		$	$
79	*110/S-12.0*	*96*	3'-0"	0.375"	25'-0"	1		$	$
80	*105/S-10.0*	80	3'-0"	0.375"	*20'-0"*	1		$	$
81	*110/S-09.0*	*72*	3'-0"	0.375"	*25'-0"*	1		$	$
82	*115/S-10.0*	*80*	3'-0"	0.375"	30'-0"	1		$	$
~~83~~	~~125/S-08.0~~ *Omitted*	~~64~~	~~3'-0"~~	~~0.375"~~	~~30'-0"~~	~~1~~		~~$~~	~~$~~
84	*110/S-10.0*	80	3'-0"	0.375"	*25'-0"*	1		$	$
85	*120/S-16.0*	128	3'-0"	0.375"	35'-0"	1		$	$
86	*110/S-10.0*	80	3'-0"	0.375"	*25'-0"*	1		$	$
88	115/S-09.0	72	3'-0"	0.375"	25'-0"	1		$	$
90	*110/ENG*	Per LT	4'-0"	0.375"	*25'-0"*	1		$	$
91	*105/S-09.0*	72	3'-0"	0.375"	*20'-0"*	1		$	$

* ***Pole class designation will be defined by either the current RUS Standard Steel Pole Class or as an Unguyed Designation.***

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

TUBULAR STEEL STRUCTURES
FOR THE
230 POD TO BELLS FORK
115 kV TRANSMISSION LINE

SCHEDULE 1

STEEL TRANSMISSION STRUCTURES
GALVANIZED STEEL A572, GRADE 65

Structure Number	Pole Ht./Class *	Caisson Diameter	Minimum Caisson Thickness	Vibratory Embedment Depth	Quantity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission Poles – Surface Mounted Flange Vibratory Pole Base (VPB)								
1	*85/ENG***	*****	*****	*****	*1*		*$*	*$*
4A	*90/ENG***	*****	*****	*****	*1*		*$*	*$*
14	*80/ENG***	*****	*****	*****	*1*		$	$
33	*95/ENG***	*****	*****	*****	*1*		$	$
87	*85/ENG***	*****	*****	*****	*1*		*$*	*$*
89	*85/ENG***	*****	*****	*****	*1*		$	$
92	*75/ENG***	*****	*****	*****	*1*		*$*	*$*
							$	$
							$	$
							$	$
							$	$
							$	$
							$	$
							$	$
							$	$
							$	$
							$	$
							$	$
							$	$
							$	$
							$	$
							$	$
							$	$

** Pole class designation will be defined by either the current RUS Standard Steel Pole Class or as an Unguyed Designation.*
*** See Load Trees in Attachment B.*
**** See Schedule 2 for foundation requirements.*

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

TUBULAR STEEL STRUCTURES
FOR THE
230 POD TO BELLS FORK
115 kV TRANSMISSION LINE

SCHEDULE 2

STEEL TRANSMISSION STRUCTURES
GALVANIZED STEEL A572, GRADE 65
WITH CORROCOTE BELOW GRADE PROTECTION

Structure Number	Caisson Diameter	Minimum Caisson Thickness	Vibratory Embedment Depth + 2' Above Grade	Quantity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission Poles –Flanged Vibratory Pole Base (VPB-F)							
1	*5'-0"*	*0.375"*	*47'-0"*	*1*		*$*	*$*
4A	*3'-0"*	*0.5"*	*37'-0"*	*1*		*$*	*$*
14	*4'-0"*	*0.375"*	*37'-0"*	*1*		$	$
33	*4'-0"*	*0.75"*	*37'-0"*	*1*		$	$
87	*4'-0"*	*0.75"*	*37'-0"*	*1*		*$*	*$*
89	*5'-0"*	*0.75"*	*37'-0"*	*1*		$	$
92	*4'-0"*	*0.75"*	*32'-0"*	*1*		*$*	*$*
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$
						$	$

** Pole class designation will be defined by either the current RUS Standard Steel Pole Class or as an Unguyed Designation.*
*** See Load Trees in Attachment B*

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

TUBULAR STEEL STRUCTURES
FOR THE
230 POD TO BELLS FORK
115 kV TRANSMISSION LINE

TABULATION OF UNIT PRICES

SCHEDULE NO. 1 – TOTAL PRICE $_____

SCHEDULE NO. 2 – TOTAL PRICE $_____

NOTE: *Greenville Utilities Commission reserves the right to accept or reject, at its sole discretion, the material prices quoted for Schedules 1 and 2, based on the unit prices quoted and/or the Total Proposal Price.*

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

TUBULAR STEEL STRUCTURES
FOR THE
230 POD TO BELLS FORK
115 kV TRANSMISSION LINE

DELIVERY SCHEDULE

Shop Drawings		Delivery		
For Approval	Engineer's Approval	Start	Complete	Total

Schedule 1

_____ Wks. + 1 Wks. + _____ Wks. + _____ Wks. = _____ Wks.

Schedule 2

_____ Wks. + 1 Wks. + _____ Wks. + _____ Wks. = _____ Wks.

If the undersigned is the Successful Bidder, the shipping points shall be the designated structure locations or as designated otherwise by the Owner (See Appendix — Vicinity Map) and the materials and equipment will be delivered to the Owner in _____ calendar days after notification of the Award of Purchase Order by the Owner. The Bidder shall include one (1) week for Engineer to review and return approval drawings.

Note: ***The Owner is seeking delivery of structures to begin within twelve (12) weeks after receipt of the Purchase Order and to be completed no later than Friday, January 27, 2017.***

Owner requests that deliveries be scheduled to the site in an organized and timely manner. Deliveries shall be steady, with no more than five (5) business days between trucks, and not-to-exceed six (6) weeks duration from start to finish.

The Materialman further declares that he has examined the site of the work and informed himself fully regarding all conditions pertaining to the locations where the work is to be done, examined the Specifications for the work and the Purchase Order Documents relative thereto, read all special provisions furnished prior to the opening of the bids, and satisfied himself relative to the work to be performed.

The Materialman proposes and agrees that if the following schedule or schedules of this Proposal are accepted, he will contract with Greenville Utilities Commission in the Form of a Purchase Order specified, to furnish all necessary materials and equipment, except materials and equipment specified to be furnished by the Owner or others, complete and in accordance with the Plans, Specifications, and Purchase Order Documents, to the full and entire satisfaction of the Owner, with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and Purchase Order Documents, and as cited on Change Order Forms.

The following information should be supplied regarding the materials and equipment on which this bid is based:

Manufacturer: _____

Location or Manufacturing Facility: _____

Other Utilities Purchasing Recent Units of Similar Design: _____

_____

_____

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

TUBULAR STEEL STRUCTURES FOR THE 230 POD TO BELLS FORK 115 kV TRANSMISSION LINE

TECHNICAL SPECIFICATIONS

1.0 SCOPE

This specification covers the design, materials, welding, inspection, protective coatings, drawings, and delivery of steel transmission structures including pipe piles, drop-in plates, thru-vangs, leveling bolts, crossarms, ladders and anchor bolt cages used for constructing overhead transmission lines. The proposal submitted by the manufacturer shall include field bolts, locknuts, vangs, attachment provisions for arms and/or insulators, anchor bolts, base plates, and other necessary items to make a complete structure per the following specifications:

1.1 The Manufacturer shall provide quotations for the following schedules:

Schedule 1: Steel Transmission Structures – Galvanized Steel A572, Grade 65 with Corrocote Below Grade Protection

1.2 Drawings

All poles shall conform to the Drawings included herewith, all of which form a part of these Specifications.

2.0 DEFINITIONS

a. Cambering – the fabricating of a slight convex curve in a pole or crossarm

b. D/t – the ratio of the diameter of a tubular pole to the steel plate thickness

c. Engineer – a registered or licensed person, who may be a staff employee or an outside consultant, and who provides engineering services. Engineer also includes duly authorized assistants and representatives of the licensed person.

d. Ground line – a designated location on the pole where the surface of the ground will be after installation of a direct embedded pole

e. Overload factors (OLF) – a multiplier which is applied to each of the vertical, transverse and longitudinal structure loads to obtain an ultimate load

f. P-delta moment – secondary moment created by the vertical loads acting on the structure when the structure deflects from its unloaded position

g. Point-of-fixity – location on the pole at ground line or below ground line where the maximum moment occurs

h. Raking – the practice of installing a straight pole out of plumb, or at an inclined angle

i. W/t – ratio of the width of the pole (flat-to-flat) to the plate thickness

j. Ultimate load – the maximum design load which includes the appropriate overload factor specified

3.0 CODES AND STANDARDS

Codes, standards, or other documents referred to in this specification shall be considered as part of this specification. The following codes and standards are referenced:

a. American Institute of Steel Construction (AISC), *Specification for the Design, Fabrication and Erection of Structural Steel for Buildings*, latest edition.

b. American Society of Civil Engineers (ASCE) Standard, *Design of Steel Transmission Pole Structures*, Manual 48, latest edition.

c. American Society for Testing and Materials (ASTM), various standards, latest version.

d. American Concrete Institute (ACI), *Building Code Requirements for Reinforced Concrete*, ACI 318, latest edition.

e. American Welding Society (AWS), *Structural Welding Code*, AWS D1.1, latest edition.

f. American National Standards Institute (ANSI), *National Electrical Safety Code*, ANSI C2, latest edition.

g. Society for Protective Coatings (SSPC, formerly Steel Structure Painting Council), *Surface Preparation Specification*, SSPC SP6/NACE NO. 3, latest edition.

4.0 CONFLICT BETWEEN THIS SPECIFICATION, DRAWINGS, AND REFERENCED DOCUMENTS

In the event of conflict between this specification and the above referenced documents, the requirements of this specification shall take precedence. In the case of conflict between

several referenced documents, the more stringent requirement shall be followed. If a conflict exists between this specification or the referenced documents and the attached drawings, the attached drawings shall be followed. If clarification is necessary, contact the Owner or Owner's representative.

5.0 GENERAL REQUIREMENTS

The design, fabrication, allowable stresses, processes, tolerances, and inspection shall conform to the American Society of Civil Engineers (ASCE) Standard, *Design of Steel Transmission Pole Structures, Manual 48-11,* latest edition, with the following additions and/or exceptions:

5.1 Pole Structure Design

5.1.1 Pole designs shall be prepared from the attached specification, configuration drawings and design loads. PLS-CADD printouts may be provided as part of these specifications with minimum design loads shown in the 'Structure Loads' column. The structure shall be capable of withstanding all specified loading cases including secondary stresses from foundation movements ~~when specified in Attachment C~~, but not considering the possible restraining effect of conductors or shield wires. The structure shall withstand the loads without failure, permanent distortion, or exceeding any specified deflection limitations. Loads are in pounds (lbs.) and include all appropriate overload factors. PLS-CADD "LCA" files may be supplied in lieu of printouts.

5.1.2 Vibratory Pole Bases (VPB) diameter for the non-tapered section shall be as indicated on Drawing No. TMF-VPB in Attachment D. A circumferential weld shall connect the tapered section to the non-tapered section. See Drawing No. TMF-VPB in Attachment D. Tapered section of Vibratory Pole Bases shall match up with pole taper. Permanent identifiable marks are required on the Vibratory Pole Bases including nameplate, angle bisect and/or transverse axis orientation for proper alignment prior to implanting into ground.

a. Vibratory Pole Base design shall meet ASCE Manual 48-11 for local buckling.

b. Vibratory Pole Base shall have a minimum wall thickness of three-eighths inches (3/8").

c. The Vibratory Pole Base shall be capable of withstanding all specified load cases including secondary stresses.

d. Vibratory Pole Bases of angled structures shall have a permanent identifiable mark indicating the bisect of the associated structure. Vibratory Pole Bases of tangent structures shall have a permanent identifiable mark indicating the transverse axis of the associated

structure. This will help facilitate proper orientation.

e. Frequency and stroke amplitude ranges for the vibratory hammer shall be provided by the manufacturer.

5.1.3 Wind pressures shown in the loading criteria shall be multiplied by the appropriate shape factor applied to the poles. Pressures in psf shall be computed as follows:

$$p = W \times C_d$$

Where p = pressure on projected area of the pole normal to wind, W = wind pressure, and C_d = shape (or drag) factor.
Shape factors for computing the wind on poles are:

Round	1.0
Hexagon	1.4
Octagon	1.4
Dodecagon	1.0
Square	1.6

5.1.4 The maximum design unit stress under full design load shall be the minimum yield strength as stated in applicable ASTM specifications for the particular application and types of loads, including load factors.

5.1.5 Poles shall be designed with a minimum number of joints. Field welding shall not be allowed as part of the design of a new pole. The shaft joints to be made in the field shall be slip joints or bolted flange joints. Slip joint length shall be at least one and one-half (1-1/2) times the largest inside diameter of the female section. Bolted flange joints may be used for medium angle and heavy angle guyed structures and X-braced H-frame structures. If approved by the Owner or Owner's representative, a strap across the pole splice to prevent separation of the male and female sections of the pole may be used for X-braced H-frame structures. Approval must be obtained prior to bid.

5.1.5.1. Joints Manufacturer shall verify slip joint fit before shipment. should not interfere with vangs, through holes, ladder clips, grounding provisions, or jacking nuts.

5.1.5.2. Sufficient jacking lugs and permanent orientation marks shall be provided at all slip joints to ensure proper alignment and complete overlap of the joint.

5.1.6 The ultimate load in guys shall not exceed sixty-five percent (65%) of the

rated breaking strength of the guy.

5.1.7 Design of anchor bolts shall be in accordance with the latest edition of ACI-318, *Building Code Requirements for Reinforced Concrete*, assuming a concrete strength as specified by the Owner.

5.1.7.1 When anchor bolts are specified, they shall have the top two feet (2'-0") galvanized. Anchor bolts shall be threaded at the top end a distance equal to the base plate thickness, plus the thickness of two (2) anchor bolt nuts, plus two and one-half inches (2-1/2"). Each anchor bolt shall include two (2) heavy hex nuts.

5.1.7.2 Welding on anchor bolts will only be allowed in the bottom twelve inches (12"). Only one length of anchor bolt shall be used on each pole. Anchor bolts/clusters shall have a permanent mark indicating the structure type, structure number, orientation, and top of concrete.

5.1.7.3 Anchor bolts shall be designed to be shipped as a rigid cage with top and bottom plates holding the anchor bolts in place. The anchor bolt thread shall be protected during shipping. The anchor bolts shall be welded to the holding plate in the bottom of the cage. The top template shall be designed to be removable and to support the assembled cage during lifting and setting operations without detrimental deformations. Bolt clusters shall be designed to be rigid enough to withstand the normal jolts of shipping, handling and installation with no displacement of bolts from the proper positions within the cluster.

5.1.7.4 The removable template at the top shall have a set of marks to show the centerline for tangent structures and the angle bisector for angle structures. If the angle bisector is unclear due to multiple line angles on the structure, the anchor bolt drawings must clearly denote the anchor bolt orientation in relationship to the line angles. The set of marks shall be (2) marks along the same line 180° to each other. Matching marks are to be on the base plate of the structure so proper alignment can be made.

5.1.8 Minimum plate thickness for all pole components shall be three-sixteenths inch (3/16"). Minimum tip diameter for all poles shall be ten inches (10").

5.1.9 Structures which are to be direct embedded shall have bearing plates. Bearing plates shall have a diameter not more than two inches (2") greater than the maximum pole diameter.

5.1.9.1 Galvanized poles shall have a drain hole at the bottom. The drain hole shall not be more than 20% of the bottom plate

surface area.

5.1.9.2 Direct embedded steel poles shall have ground sleeves. Ground sleeves shall have a minimum length of four feet (4'-0") centered at groundline.

5.1.9.3 The Ground sleeve shall have a minimum thickness of three-sixteenths inch (3/16") and shall be centered at the ground line. A seal weld shall be provided around the ground sleeve. The ground sleeve shall not be considered in strength calculations.

5.1.10 Poles shall have nearly a uniform taper throughout their entire length. The maximum difference in tapers between two (2) pole sections measured by the diameters shall be .20 inch/ft. for poles with variable taper.

5.1.11 Poles with elliptical cross sections shall have a minor axis dimension equal to at least seventy-five percent (75%) of the major axis dimension.

5.1.12 Engineered/Unguyed Structures

Structure deflections at pole top shall be calculated under camber loading. Structure height shall be the height of the pole from the top of the base plate, or designated ground line, to the top. See load diagrams or PLS-CADD printouts, 'Structure Loads' column for camber loading.

5.1.12.1 Structures may be pre-cambered if the pole deflection exceeds one percent (1%). Deflections less than one percent (1%) shall be raked as necessary in the field. The Materialman shall provide a pre-cambered summary and clearly denote the pre-camber/rake orientation on the structure drawings. **(Raking is Not Applicable for this Project)**

5.1.12.2 The Materialman shall use the Loading Diagrams provided in Attachment B or PLS-CADD printouts to design the designated unguyed structures. The Materialman is responsible for determining the "worst-case" orientation of the wind load in combination with the tension and apply it in the design calculations.

5.1.12.3 The Materialman shall calculate the deflections for the sixty degrees Fahrenheit (60°F) initial tension and sixty degrees Fahrenheit (60°F) final tension load cases. The Materialman shall limit the difference in deflection produced by these two (2) load cases to six inches (6") or less.

5.1.12.4 Deflections of single-shaft structures under camber loading shall

not exceed one (1.0%) percent of the structure height.

5.1.12.5 Deflections of H-Frame structures due to the wire tension change across the structure and any angle resultant tension, under camber loading, shall be no more than one half (1/2) the top diameter of the designed tubular steel pole.

5.1.12.6 Deflections of switch structures under factored loading shall not exceed two (2%) percent of the structure height under all loading conditions.

Switch support beams shall be checked for deflection. Engineer's drawings will show deflection limitations and/or minimum switch support beam diameter. **(Not applicable for this project)**

5.1.12.7 The manufacturer is responsible for repairing or replacing any structures which are delivered to the site with manufacturing errors. Repair and/or replacement costs shall include the structure itself, as well as any associated construction costs.

5.1.12.8 If pole raking is necessary due to deflection, the raking dimension and orientation shall be clearly marked on the Materialman's Detail Drawings.

5.1.12.9 Switch structure equipment loadings and attachment details shall be obtained by the Pole Manufacturer through coordination with the specified Switch Manufacturer. **(Not applicable for this project)**

5.1.12.10 If shop cambering is required, the manufacturer shall pre-fit multi-piece poles together prior to cambering.

5.1.12.11 The manufacturer shall verify at the plant prior to shipment that the appropriate orientation and magnitude of pre-camber is built into those structures requiring shop cambering.

5.1.13 Standard Class Designations

5.1.13.1 Tangent and guyed angle structures have been specified using RUS Standard Steel Pole Class Designations shown in Table 1 unless noted otherwise.

5.1.13.2 Pole designs shall be prepared for the attached Standard Class design loads. The poles shall be designed to meet ASCE Manual No. 48-11, "Design of Steel Transmission Pole

Structures," design methods. The point-of-fixity shall be considered to be located at a distance from the pole bottom that is equal to seven percent (7%) of the pole length.

The pole shall be symmetrically designed such that the strength required in any one direction shall be required in all directions about the longitudinal axis.

5.1.13.3 Using the corresponding values in Table 1, the poles shall be designed for the following requirements.

a. The pole shall develop the minimum ultimate moment capacity required in Table 1 at a distance of five feet (5′-0″) from the pole top.

b. The pole shall develop the minimum ultimate moment capacity above the point-of-fixity that is calculated by multiplying the tip load in Table 1 by the distance to the tip load.

c. The geometry and taper of the pole shall be uniform throughout their entire length (top to butt).

5.1.13.4 The poles shall be designed to withstand the specified tip loading in Table 1 without exceeding a pole deflection of ten percent (10%) of the pole length above the point-of-fixity when tested in accordance with ASCE Manual No. 48-11.

5.1.13.5 Overall length of poles shall be designed and manufactured in incremental lengths of five feet (5′-0″).

TABLE 1
Strength Requirements

Standard Class Designations for Steel Poles	Minimum Ultimate Moment Capacity at 5 ft from Pole Top (ft. Kips)	Horizontal Tip Load Applied 2 ft from Pole Top (lbs.)
S-20.0	160	20000
S-19.0	152	19000
S-18.0	144	18000
S-17.0	136	17000
S-16.0	128	16000
S-15.0	120	15000
S-14.0	112	14000
S-13.0	104	13000
S-12.0	96	12000
S-11.0	88	11000
S-10.0	80	10000
S-09.0	72	9000
S-08.0	64	8000
S-07.4	57	7410
S-06.5	50	6500
S-05.7	44	5655
S-04.9	38	4875
S-04.2	32	4160
S-03.5	27	3510
S-02.9	23	2925
S-02.4	19	2405
S-02.0	15	1950

5.1.13.6 Poles shall be designed for the loads generated from handling and erecting without causing permanent deformation or damage to the pole when handled according to the manufacturer's instructions. Handling and erecting loads shall include but not be limited to, a one (1) point (tilting) pickup and a two (2) point (horizontal) pickup.

5.1.13.7 The maximum design unit stress shall be the minimum yield strength as stated in applicable ASTM specifications for the particular application and types of loads, including overload factors.

5.1.13.8 The top of the pole shall be permanently covered with a structural steel plate that is welded to the top of the pole. The

pole shall be delivered with the pole cover attached in place.

5.1.13.9 Pole design and design calculations shall be the responsibility of the manufacturer.

5.1.14 Arms shall be designed so the end of the arm is at the specified height under a loading of initial conductor tension, sixty degrees Fahrenheit (60°F), no wind, and no overload factors. Arms shall not deflect vertically more than two inches (2″) at the end of the arm under heavy ice conditions (without any overload factors applied). See Attachment B for Design Loads and Guide Drawings.

5.1.14.1 Arms shall be upswept or straight, tapered, steel tubular members, of any cross-sectional type, which meet the dimensions shown on the attached drawings.

5.1.14.2 Arm end plate connection details for hardware attachment shall be typical of those shown on the attached drawings. The arms shall be hermetically sealed when a painted finish is specified. Galvanized arms shall have drain holes where appropriate

5.1.15 Lifting lugs are optional. The manufacturer shall supply all instructions for handling and erection of poles and arms.

5.1.16 Deadend plates or vangs shall be designed/checked for the maximum resultant loading from the appropriate Vertical, Transverse, and Longitudinal components in the load trees and/or columns labeled "Loads From Back Span" or "Loads From Ahead Span" in the PLS-CADD printout. All load cases shall be considered. Do not use the loads from the column labeled "Structure Loads" for designing/checking vang designs.

5.1.17 In the design of connections for vangs, brackets, or stiffeners attached to the pole shaft, care shall be taken to distribute the loads sufficiently to protect the wall of the pole from local buckling.

5.1.18 Thru-vang shall penetrate both sides of the pole with attachment holes on both sides.

5.1.19 Each pole shall be <u>permanently marked</u> on the pole shaft seventy-two inches (72″) above ground line and on the bottom of base plate or bearing plate with the following identifying information:

- Manufacturer's Identification
- Structure Type
- Height and Class
- Structure Number
- Ultimate Ground Line Moment
- Owner's Name

- Date Manufactured

Each Vibratory Pole Base shall be permanently marked on the shaft within six inches (6") above the groundline with the following information:

- Manufacturer's Identification
- Diameter and Length
- Structure Number
- Owner's Name
- Date Manufactured

The method of identification shall be approved by the Owner. In addition, there shall be clear indication or marks for handling or sling points, storage rack points, and lifting joints for standing the pole and vibratory pole base.

5.1.20 Grounding Attachments

5.1.20.1 One (1), two (2)-hole NEMA grounding pad shall be provided on the side of each pole as specified in the Structure Dimensions (Framing Drawings) located in Attachment A.

5.1.20.2 See Attachment D – Drawing No. TMS-5 for NEMA Grounding Pad Detail.

5.1.20.3 Grounding pads and threads shall not be painted or covered with other coatings.

5.1.20.4 Poles shall be pre-drilled with a nine-sixteenth inch (9/16") hole behind each threaded hole of a two (2)-hole NEMA pad to permit the use of various bolt lengths in completing a grounding connection.

5.1.20.5 One (1) heavy hex, stainless steel grounding nut shall be provided where indicated on Structure Dimensions (Framing Drawings). The grounding nut shall have standard one-half inch (1/2"), thirteen (13) UNC threads. Threads shall not be painted or covered with other coatings.

5.1.21 Clips for removable ladders shall be located as shown on the enclosed Framing Drawings or as indicated in the specification. Each ladder clip shall be designed to support a minimum 1,200 lb. shear working load. The clips shall be welded to the pole surface. Ladder clips shall be located to avoid interference between ladders, other attachments, material and equipment to be mounted on the pole (See Attachment D Miscellaneous Drawings). **(Not applicable for this project)**

5.1.22 Removable step bolts shall be provided with spacing as indicated beginning eight feet (8'-0") above ground line and extending to the structure top. Each step lug and step bolts shall be capable of withstanding a minimum of 600 lb. working load. Step bolts mounting nuts shall be spaced at one foot-three inches (1'-3") and oriented to provide maximum ease of climbing. **(Not applicable for this project)**

5.1.23 Removable pole steps with permanent clips shall be provided as indicated (Drawing No. PS-1) beginning at ground line and extending to eight feet (8'-0") above ground line. Pole steps and clips shall be spaced at one foot-three inches (1'-3") and oriented to provide maximum ease of climbing. **(Not applicable for this project)**

5.1.24 Weathering steel structures shall be designed to eliminate water and refuse traps. **(Not applicable for this project)**

5.1.24.1 Tubular sections shall be sealed from moisture entering the inside of the pole. Factory drilled pole holes shall be plugged to prevent moisture intrusion during shipping. For field drilled poles and factory drilled poles, manufacturer shall provide silicon sealant to seal all through-bolt holes. Non-drilled poles when assembled shall be effectively sealed to prevent moisture intrusion.

5.1.24.2 Connections shall be designed to reduce the effect of pack-out by preventing moisture from entering the joint or by designing the connection to allow moisture to easily drain off.

5.1.24.3 Plastic plugs shall be installed in all nuts welded to the structure and all tapped holes.

~~5.1.25 Application requirements: (See Attachment C)~~

5.2 Pipe Pile Design **(Not applicable for this project)**

The design, fabrication, allowable stresses, processes, tolerances, and inspection shall conform to the latest edition ASTM 252, "Welded and Seamless Steel Pipe Piles" for the steel pipe pile and the latest edition ASTM A36 for the other associated steel material. Grade 2 shall be used for the pipe piles.

5.2.1 The pipe pile diameter shall be as indicated on Drawing No. TMF-SPPF in Attachment A. Piles shall be fabricated as round or 12-sided. The 12-sided pipe pile diameter shall be measured flat-to-flat.

5.2.2 All welding to be in accordance with the latest edition of AWS D1.1. Use appropriate electrode for steel grade types (E70 Min.). Circumferential and longitudinal welds are to be complete-penetration.

5.2.3 After fabrication, hot dip galvanize the pile as specified per ASTM A123. Provide additional holes if needed for handling during galvanizing.

5.2.4 Corrocote shall be applied to pipe pile from top of pile to ten (10') feet below top of pile. See paragraph 5.5.1.d Coatings for the Embedded Portion of the Pole for details.

5.2.5 Pipe piles shall be stamped with one-inch (1") lettering indicating the structure number. Stamping shall be done at both ends of the pipe pile.

5.2.6 Pipe pile vendor shall provide the six (6) one-inch (1") diameter heavy hex galvanized nuts and six (6) one-inch (1") diameter by twelve inch (12") long galvanized leveling bolts and ensure these nuts and bolts are compatible with each other. This hardware shall be hot dip galvanized per ASTM A307.

5.2.7 Two (2) hole NEMA grounding pads shall be provided on opposite sides at two levels of the pipe piles as shown on Drawing TMF-SPPF located in Attachment A (Total of 4 grounding pads).

5.2.8 Reference Drawing TMF-SPPF for steel pipe pile fabrication details and all associated materials and hardware.

5.3 Materials

5.3.1 All materials shall comply with the applicable requirements of ASTM specifications. Any modifications to ASTM specifications must be approved by the Owner's representative prior to bidding.

5.3.2 Poles, arms, and conductor brackets shall conform with ASTM A36, ASTM A572, ASTM A581, ASTM A588, ASTM A871, or ASTM A595.

5.3.3 Base plate shall conform with ASTM A572, ASTM A588, ASTM A633, or ASTM A595.

5.3.4 Anchor bolts shall conform to ASTM A615, Grade 60 or 75.

5.3.5 Other bolts and nuts shall conform, as applicable, to ASTM A307, ASTM A325, ASTM A354, ASTM A394, or ASTM A687. Locknuts shall be provided for each structure bolt, or American Nut Company (ANCO) type self-locking nuts may be used. Locknuts shall be the galvanized MF or ANCO type.

5.3.6 Anchor bolts, structural plate, and weld material, shall meet ASCE requirements for Charpy tests.

5.3.7 For galvanized structures, steel used for the pole shaft and arms shall have a

silicon content less than .06 percent.

5.3.8 Steel pipe piles shall conform, as applicable, to ASTM A252. All other steel material associated with the pipe pile shall conform to ASTM A36.

5.4 Fabrication

5.4.1 All welding shall be in accordance with the American Welding Society Code AWS D1.1, latest edition. Welders shall be qualified in accordance with AWS .1 welding procedures.

5.4.2 One hundred percent (100%) penetration welds shall be required in, but not limited to, the following areas:

- circumferential welds (C-welds) joining structural members,
- longitudinal welds in the female portion of the joint within the slip joint area, plus 6 inches;
- welds at the butt joints of back-up strips,
- base plate to shaft weld,
- longitudinal welds for a minimum length of three inches (3″) where there are adjacent C-welds, flange welds, base welds and ends of tubes.

5.4.3 Full penetration or equivalent ninety percent (90%) partial penetration with fillet overlap shall be used for arm-to-arm brackets, vang-to-plate shaft, and arm box joints.

5.4.4 Quality and acceptability of every inch of the full penetration welds shall be determined by visual and ultrasonic inspection.

5.4.5 All other penetration welds shall have sixty percent (60%) minimum penetration. Quality and acceptability of all welds other than full penetration welds shall be determined by visual inspection, supplemented by magnetic particle, ultrasonic or dye penetrant inspection.

5.4.6 All weld back-up strips shall be continuous the full length of the welds. Care shall be exercised in the design of welded connections to avoid areas of high stress concentration which could be subject to fatigue or brittle fractures.

5.4.7 Field welding shall not be permitted except with the Engineer's and Owner's approval and with the manufacturer's direction in repairing a pole.

5.4.8 All parts of the structure shall be neatly finished and free from kinks or twists. All holes, blocks, and clips shall be made with sharp tools and shall be clean-cut without torn or ragged edges.

5.4.9 Before being laid out or worked in any manner, structural material shall be straight and clean. If straightening is necessary, it shall be done by methods that will not injure the metal.

5.4.10 Shearing and cutting shall be performed carefully and all portions of the work shall be finished neatly. Copes and re-entrant cuts shall be filleted before cutting.

5.4.11 All forming or bending during fabrication shall be done by methods that will prevent embrittlement or loss of strength in the material being worked.

5.4.12 Holes for connection bolts shall be one-sixteenth inch (1/16″) larger than the nominal diameter of the bolts. Holes in the flange plates for bolted splices shall be one-eighth inch (1/8″) larger than the bolt diameter. Holes in the base plates for anchor bolts shall be three-eighths inch (3/8″) larger than the nominal diameter of the anchor bolts. The details of all connections and splices shall be subject to the approval of the Owner or his representatives.

5.4.13 Holes in steel plates which are punched must be smooth and cylindrical without excessive tear out or depressions. Any burrs that remain after punching shall be removed by grinding, reaming, etc.

5.4.14 Holes of any diameter may be drilled in plate of any thickness. Care shall be taken to maintain accuracy when drilling stacks of plates.

5.4.15 Holes may be made by use of a machine guided oxygen torch. Flame cut edges shall be reasonably smooth and suitable for the stresses transmitted to them.

5.4.16 The overall length of the assembled structure should not be less than six inches (6″) of the specified length and not more than twelve inches (12″).

5.4.17 Tolerances

Fabrication tolerances shall be as follows:

a. Length of single piece or flanged poles ± 3″

b. Cross section of poles: Diameter of 36″ or less +1/4″, -1/8″. Diameter greater than 36″ +1/2″, -1/4″, circumference of all poles - 0″

c. Spacing between “arm to pole” connections vertically ± 3/4″

d. Location of hardware with respect to top of pole ± 1″

e. Pole Butt plate perpendicular to pole 1/16″ for 12″ as measured on a perpendicular axis

f. Straightness of pole ± 1/2″ from center line

g. Location of a drilled hole in a piece ± 1/8″

h. Spacing between holes: Base plates ± 1/8″, same connection ± 1/16″ (non-accumulative)

i. Anchor bolts: Length +3″, -0″; thread length +2″, -0″

j. Length of coated portion on anchor bolts +12″, -0″

k. Distance between anchor bolts in cluster ± 1/8″ (non-accumulative)

l. Arms: Length ± 1″, Rise ("W" dimension ± 1″ per 10′ of arm length)

m. Angles shown ± 2°

n. Length of overlap of slip joint, +5″, - 10% of slip joint length

o. Thru Vang Vertical Spacing ± 1/4″

p. Thru Vang Angle and Orientation ± 2°.

5.5 Finishes

5.5.1 The following finishes are acceptable: galvanizing, zinc primer and painting, weathering steel, and below grade coating.

a. Galvanizing – All structures and structural components which are hot-dip galvanized shall meet all the requirements of ASTM A123 or ASTM A153. Measures shall be taken to prevent warping and distortion according to ASTM A384 and to prevent embrittlement according to ASTM A143. Poles made of ASTM A588 steel shall not be galvanized due to the high silicon content of the steel. One (1) gallon of zinc enriched paint shall be provided with each five (5) poles. Provide detailed instructions of proper application and use of zinc enriched paint.

b. Zinc Primer and Painting – Poles which are to be painted shall be hermetically sealed to prevent corrosion of interior surfaces. After shot or sand blasting and cleaning in accordance with the *Steel Structure Painting Council's Surface Preparation Specification*, SSPC-SP6, a zinc primer of three (3) mils dry film thickness (DFT) and two (2) coats of finish paint, each three (3) mils DFT shall be applied to all exterior surfaces in accordance with the paint

supplier's recommendations. One (1) gallon each of primer and finish paint shall be supplied with each five (5) poles. A guarantee against flaking or fading of the paint for a minimum of five (5) years shall be provided. **(Not applicable for this project)**

c. Weathering Steel – Steel shall conform to ASTM A588 or A871. After fabrication, poles made of weathering steel shall be cleaned of oil, scale, etc. in accordance with the *Steel Structure Painting Council's Surface Preparation Specification*, SSPC-SP6, to ensure uniform and rapid formation of the protective oxide layer. **(Not applicable for this project)**

d. Coatings for the Embedded Portion of the Pole – When poles are to be directly embedded, or use a vibratory pole base, a sixteen (16) mil (minimum dry film thickness), two (2) component hydrocarbon extended polyurethane coating that is resistant to ultraviolet light shall be applied on the exposed surface of the embedded portion of the pole. The coating shall extend from the butt to two feet (2'-0") above ground line or to the top jacking nut on the vibratory pole base, whichever is lower. Other coatings shall be approved by the Owner prior to their use.

5.5.2 Bolts and nuts with yield strengths under 100,000 psi shall be hot-dip galvanized per ASTM A153 and ASTM A143, or mechanically coated with zinc in accordance with ASTM B454, Class 50. Bolting materials with yield strengths in excess of 100,000 psi shall not be hot-dip galvanized. Instead, they shall be painted with zinc enriched paint or mechanically coated with zinc per ASTM B454, Class 50.

5.5.3 Compliance with coating thickness requirements shall be checked with a magnetic thickness gauge.

5.6 Inspection and Testing

5.6.1 The Owner and the Owner's designated agents shall have free entry at all times while work is being carried on, to all parts of the manufacturer's plant to inspect any part of the production of the poles covered by this specification.

5.6.2 Steel members which are bent or warped or otherwise improperly fabricated shall be properly repaired or replaced at the manufacturer's expense.

5.6.3 The cost of tests made by the manufacturer (except full scale load tests on poles), including cost of the certified test reports, shall be considered included in the price.

5.6.4 The manufacturer shall make tests in accordance with ASTM A370 and ASTM A673 to verify that the material used in the structures meets the

impact properties.

5.6.5 Mill test reports showing chemical and physical properties of all material furnished under this specification shall be maintained by the manufacturer for a period of five (5) years and shall be traceable to the structure.

5.6.6 All plates over one and one-half inch (1-1/2") thick shall be ultrasonically tested to assure against defects which could lead to lamellar tearing.

5.6.7 Welders or welding operators shall be qualified in accordance with the provisions of AWS D1.1.

5.6.8 The manufacturer shall make certified welding reports for each structure. The reports covering welding shall include all welds of a structure. Each weld shall be clearly identified; and the report shall consist of the method of testing, whether the weld is acceptable, the identification of the structure, the date, and the name and signature of the inspector. Records of welding procedure and welding operator test results shall be kept for six (6) years by the Materialman and shall be available for review by the Engineer or Owner.

5.7 Structure Testing **(Not applicable for this project)**

5.7.1 The structures which are to have full-scale load tests performed on them are listed in Attachment C.

5.7.2 Details of the test procedures and methods of measuring and recording test loads and deflections shall be specified by the manufacturer prior to testing and shall be subject to the review and approval of the Owner or his representative.

5.7.3 Deflections shall be recorded in the transverse and longitudinal directions when applicable. Deflection measurements shall be taken under the no load condition both before and after testing.

5.7.4 Material procurement for test poles shall be identical to material procurement procedures for regular production run poles.

5.7.5 A full report listing the results shall be submitted after completion of all testing. Copies of mill test reports shall be included in the load test report. The report shall also include a complete description of the load tests with diagrams and photographs.

5.7.6 The Owner or his representative reserves the right to be present during testing and shall be notified two (2) weeks prior to the start of structure fabrication.

5.8 Shipping

5.8.1 Each shipment shall be accompanied by a checklist of all parts, identifiable by structure type and number. Arms, bolts, and miscellaneous hardware will be identified by the list for match up with the respective pole shaft and shall be boxed or bundled. All parts required for any one structure shall be in one (1) shipment, if possible.

5.8.2 The Owner and Owner's representative shall be notified prior to shipment that such shipment is to take place, and they reserve the right to inspect the components prior to shipment. The notification shall give quantities; weight, name of common carrier used, and expected time of arrival with at least two (2) working days' notice of delivery. Delivery of all items of material shall be made at such time as to permit unloading between the hours of 9:00 a.m. and 3:00 p.m., Monday through Thursday, holidays excluded.

5.8.3 The anchor bolts shall be welded to the holding plate in the bottom of the cage. A removable template shall be used at the top of the cage and shall be marked to show the centerline for tangent structures and the angle bisector for angle structures. Matching marks are to be on the base plate so proper alignment can be made. Bolt clusters shall be rigid enough to withstand the normal jolts of shipping and handling with no displacement of bolts from the proper positions within the cluster.

5.8.4 Unless otherwise agreed to by the Owner, the anchor bolt cage shall be shipped at least thirty (30) days prior to pole shipment.

5.8.5 Salt-treated wood blocking and urethane foams shall not be used when shipping or storing weathering steel poles.

5.8.6 Delivery shall be made either to a single designated location or to the individual structure locations.

6.0 INFORMATION TO BE SUPPLIED BY THE MANUFACTURER

6.1 Information to be Supplied with the Proposal

a. Calculated shipping weight of each structure and pipe pile excluding anchor bolts. Separate weights shall be given for crossarms and poles.

b. Calculated shipping weight of anchor bolts,

c. Ultimate ground line reactions (including overload factors) in poles and guy wires,

d. Anchor bolt size, length, and locations (bolt circle diameters)

e. Type of material of major components (ASTM number),

f. Description of pole and pipe pile shaft, including thickness, length, diameter, cross-sectional geometry, and method of fastening each shaft

component,

g. Data showing the design of the arm, arm connections, arm attachment plates, and brackets,

h. Design exceptions,

i. Manufacturer's standards, physical and mechanical dimensions for all steel pole height and class combinations used in the project being bid on.

6.2 Documentation to be Supplied for the Owner's Approval Prior to Fabrication

Documentation includes final design calculations for pole shaft, base plate, anchor bolts, crossarms, and other appurtenances, including their connections for all structures. The following information shall be supplied:

a. For the loading cases with overload factors, the total shear, axial forces, moments, stresses or stress ratios, moments of inertia furnished, section moduli, cross-sectional areas, deflections w/t's for polygonal and d/t's for round cross sections at all splices, at arm attachment points (top and bottom), and at least every ten feet (10′-0″) along the pole.

b. For the critical loading case, shear and axial forces, moments, stresses, section moduli, cross-sectional areas at the arm connections, bolt stresses in the arm connection, and deflection at the end of the arm.

c. Anticipated deflections at the top of the pole and at the ends of the arms shall be indicated for each pole for the normal, everyday loading condition of sixty degrees Fahrenheit (60°F), no wind, no overload factors.

d. For all specified loading cases, reactions and ground line moments shall be supplied.

e. Detail drawings for each structure type giving weights of structure components, dimensions, and bill of materials.

f. Assembly instructions and erection drawings. Slip joint lengths and allowable tolerances. Special handling instructions.

6.3 Final Documents shall be supplied to the Owner for the items in paragraph 6.2.e. after erection of all structures and prior to final payment

6.4 Test Reports (as requested)

a. Certified mill test reports for all structural material,

b. Certified welding reports for each structure,

c. Impact property test reports showing that the material used in the structures meets the impact properties,

d. Test reports on coating thickness,

e. Report of structure testing, when required, including photographs, diagrams, load trees, etc.,

f. Material, workmanship, inspection travelers, and material certified mill test reports shall be maintained on file for a minimum of six (6) years by the Materialman, and shall be made available to Greenville Utilities Commission or the Engineer upon request at no charge.

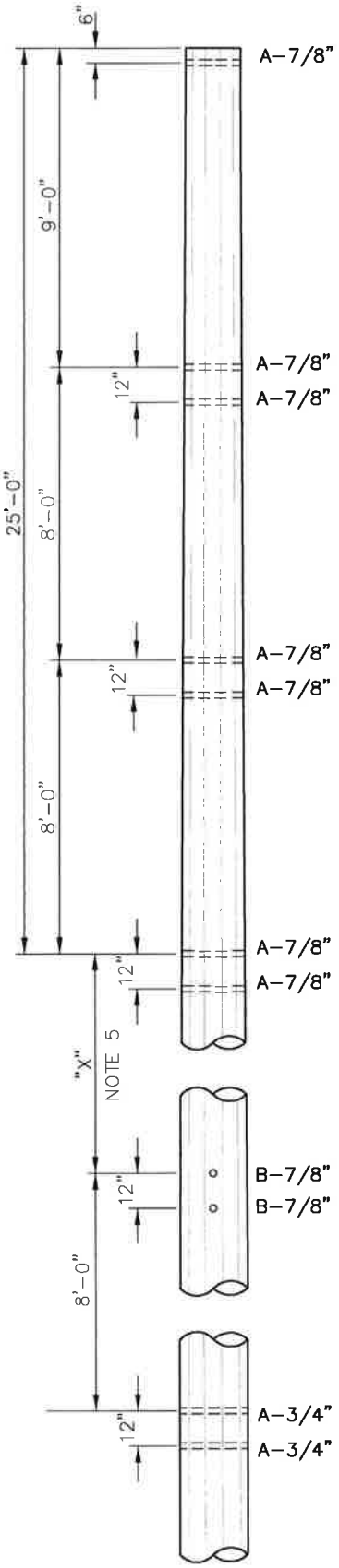
7.0 APPROVAL, ACCEPTANCE, AND OWNERSHIP

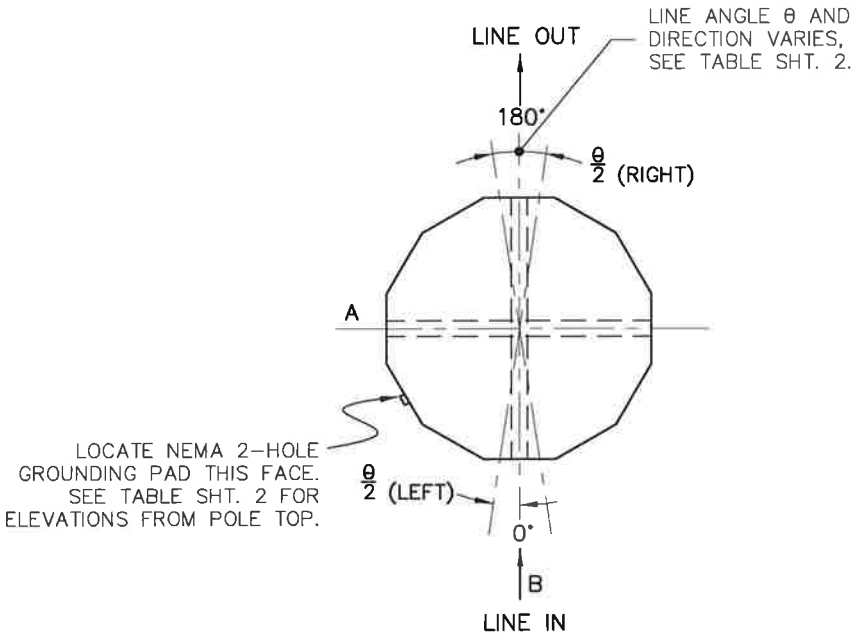
7.1 Final designs must be approved by the Engineer before material ordering and fabrication. Material ordering and fabrication prior to approval will be at supplier's risk. It is understood that award of this contract does not constitute acceptance of design calculations submitted with the bid, if corrections are required in the final structure designs due to manufacturer's errors, omissions, or misinterpretations of the specifications, the quoted price shall not change. Approval of the drawings and calculations by the Engineer does not relieve the supplier of responsibility for the adequacy of the design, correctness of dimensions, details on the drawings, and the proper fit of parts.

7.2 After delivery, the poles will be inspected and shall be free of dirt, oil blisters, flux, black spots, dross, tear-drop edges, flaking paint or zinc; and in general, shall be smooth, attractive, and unscarred. Poles not meeting this requirement shall be repaired or replaced by the fabricator at no additional cost to the Owner.

ATTACHMENT A

STRUCTURE DETAILS & DRAWINGS





NOTES:

1) LETTERS (i.e. "A" & "B") INDICATE THRU-VANG AND/OR THROUGH HOLE LOCATIONS AND ORIENTATION.

2) LETTERS WITH DIMENSIONS (i.e. C-7/8") INDICATE THROUGH HOLES WITH DIAMETER FOR DRILLING. ALL HOLES ARE TO BE LOCATED ON THE CENTER OF A FLAT.

3) DIMENSIONS SHOWN ON THRU-VANG DETAIL ARE REQUIRED TO ENSURE HARDWARE COMPATIBILITY. POLE MANUFACTURER IS RESPONSIBLE FOR VERIFYING THAT THE THRU-VANG STRENGTH EXCEEDS ULTIMATE STRENGTH REQUIREMENTS.

4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.

5) REFER TO DRAWING SPFD-1 SHEET 2 OF 2 FOR LISTING OF STRUCTURES DESIGNED WITH SPFD-1 FRAMING.

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TP-115B2-S

Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	07/25/16
CKD.	BCF	APPD.	WPJ
SCALE:	NONE		14-7798

DATE	REVISION

DWG. NO.
SPFD-1
1 OF 2

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	CAISSON DIAMETER (ft)	EMBEDMENT (ft)	LINE ANGLE 0	NEMA 2-HOLE PADS			DIM "X"
					OHGW	NEUTRAL	POLE GROUND	
2	110/S-08.0	3	30	0° 31' 23" LT	1'-6"	43'-0"	78'-6"	9'-1"
3	110/S-09.0	3	30	0° 11' 45" LT	1'-6"	43'-0"	78'-6"	9'-1"
4	105/S-08.0	3	25	0° 30' 30" LT	1'-6"	43'-0"	78'-6"	9'-1"
5	105/S-06.5	3	25	0° 09' 25" LT	1'-6"	43'-0"	78'-6"	9'-1"
6	105/S-05.7	3	25	0° 10' 08" RT	1'-6"	43'-0"	78'-6"	9'-1"
7	105/S-05.7	3	25	0° 17' 15" RT	1'-6"	43'-0"	78'-6"	9'-1"
8	105/S-08.0	3	25	0° 14' 51" LT	1'-6"	43'-0"	78'-6"	9'-1"
9	105/S-10.0	3	25	0° 00' 58" RT	1'-6"	43'-0"	78'-6"	9'-1"
10	105/S-08.0	3	25	0° 08' 57" RT	1'-6"	43'-0"	78'-6"	9'-1"
11	110/S-10.0	3	30	N/A	1'-6"	43'-0"	78'-6"	9'-1"
15	110/S-08.0	3	30	1° 56' 42" RT	1'-6"	43'-0"	78'-6"	9'-1"
16	115/S-10.0	3	35	0° 10' 18" RT	1'-6"	43'-0"	78'-6"	9'-1"
17	110/S-09.0	3	30	0° 06' 20" RT	1'-6"	43'-0"	78'-6"	9'-1"
18	105/S-09.0	3	25	0° 08' 23" LT	1'-6"	43'-0"	78'-6"	9'-1"
19	105/S-08.0	3	25	0° 08' 45" RT	1'-6"	43'-0"	78'-6"	9'-1"
20	95/S-08.0	3	20	0° 01' 50" LT	1'-6"	43'-0"	73'-6"	9'-1"
21	100/S-10.0	3	25	0° 08' 43" LT	1'-6"	43'-0"	73'-6"	9'-1"
22	100/S-08.0	3	20	0° 23' 23" RT	1'-6"	43'-0"	78'-6"	9'-1"
23	100/S-08.0	3	20	0° 10' 58" LT	1'-6"	43'-0"	78'-6"	9'-1"
24	95/S-08.0	3	20	0° 12' 55" LT	1'-6"	43'-0"	73'-6"	9'-1"
25	100/S-08.0	3	20	0° 12' 34" RT	1'-6"	43'-0"	78'-6"	9'-1"
26	100/S-09.0	3	20	0° 03' 03" LT	1'-6"	43'-0"	78'-6"	9'-1"
27	100/S-09.0	3	20	0° 02' 32" RT	1'-6"	43'-0"	78'-6"	9'-1"
28	100/S-09.0	3	20	0° 01' 37" RT	1'-6"	43'-0"	78'-6"	9'-1"
29	100/S-08.0	3	20	0° 04' 43" RT	1'-6"	43'-0"	78'-6"	9'-1"
30	100/S-09.0	3	20	0° 03' 35" LT	1'-6"	43'-0"	78'-6"	9'-1"
31	110/S-08.0	3	20	N/A	1'-6"	53'-9"	88'-6"	21'-11"
32	120/S-12.0	3	25	12° 03' 33" RT	1'-6"	58'-9"	93'-6"	26'-11"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

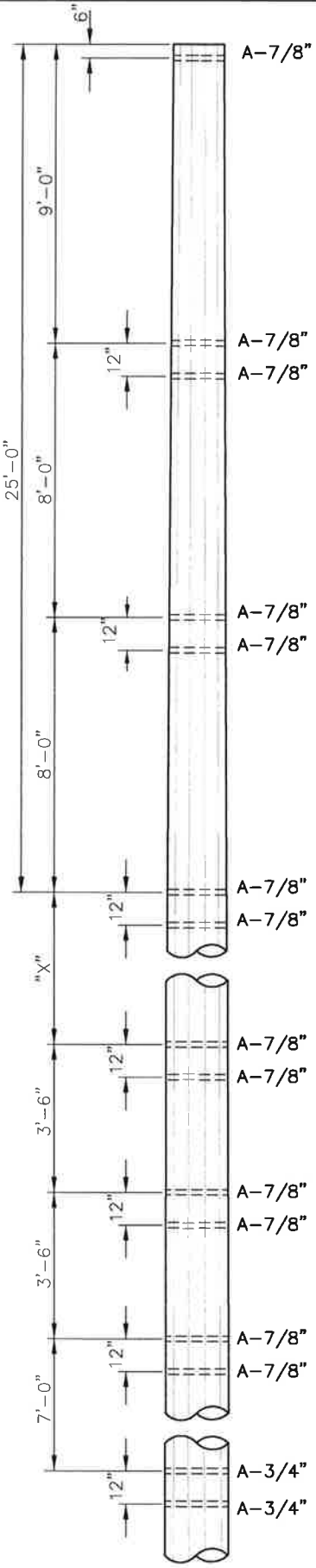
STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TP-115(S)-T_UB

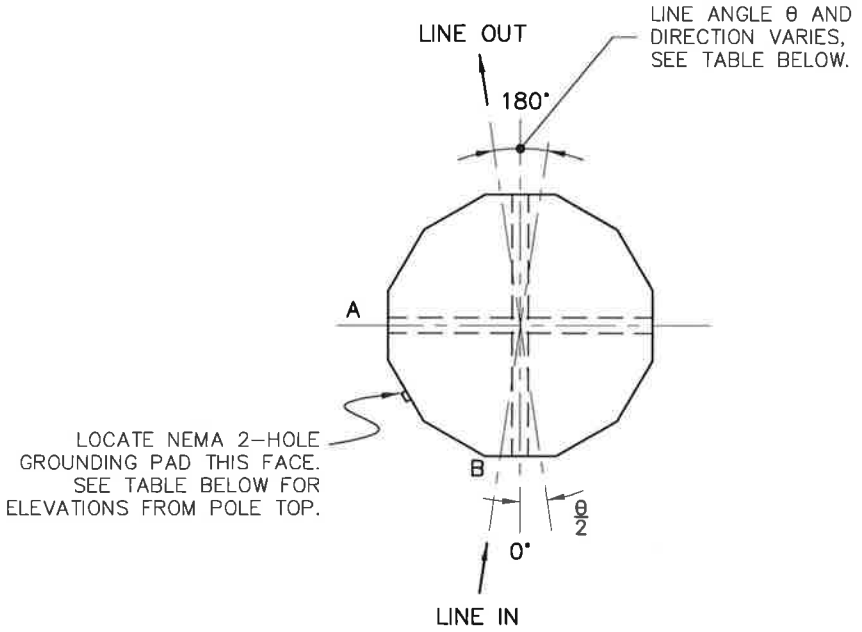
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	07/25/16
CKD.	DSH	APPD.	RSY
SCALE:	NONE		14-7798

DATE	REVISION

DWG. NO.
SPFD-1
2 OF 2





NOTES:

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2) LETTERS WITH DIMENSIONS (i.e. C-7/8") INDICATE THROUGH HOLES WITH DIAMETER FOR DRILLING. ALL HOLES ARE TO BE LOCATED ON THE CENTER OF A FLAT.

3) DIMENSIONS SHOWN ON THRU-VANG DETAIL ARE REQUIRED TO ENSURE HARDWARE COMPATIBILITY. POLE MANUFACTURER IS RESPONSIBLE FOR VERIFYING THAT THE THRU-VANG STRENGTH EXCEEDS ULTIMATE STRENGTH REQUIREMENTS.

4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	CAISSON DIAMETER (ft)	EMBEDMENT (ft)	LINE ANGLE θ	NEMA 2-HOLE PADS			DIM "X"
					OHGW	NEUTRAL	POLE GROUND	
12	115/S-10.0	3	30	7° 40' 14" RT	1'-6"	47'-0"	83'-6"	8'-0"
13	115/S-12.0	3	35	11° 09' 55" LT	1'-6"	50'-0"	78'-6"	11'-0"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

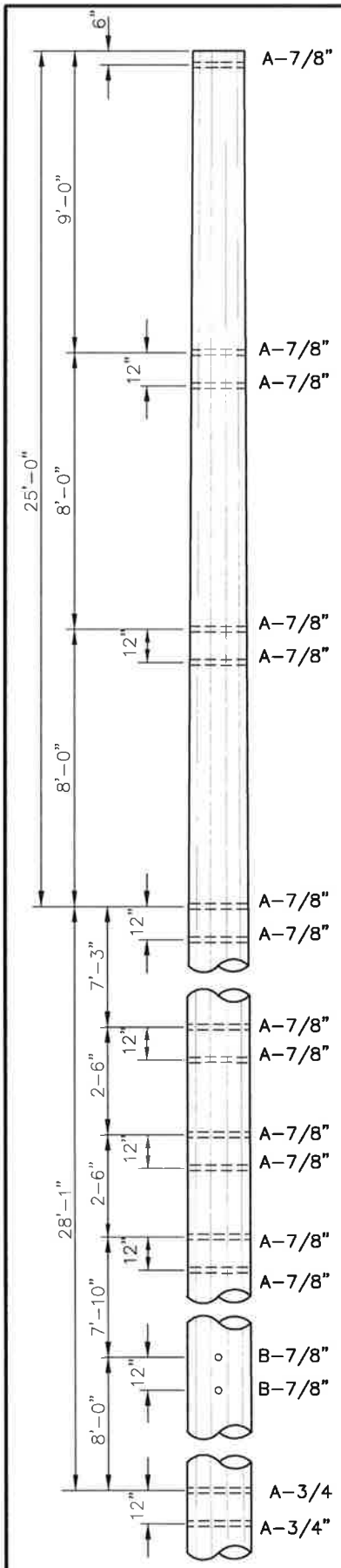
STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TP-115B2-S

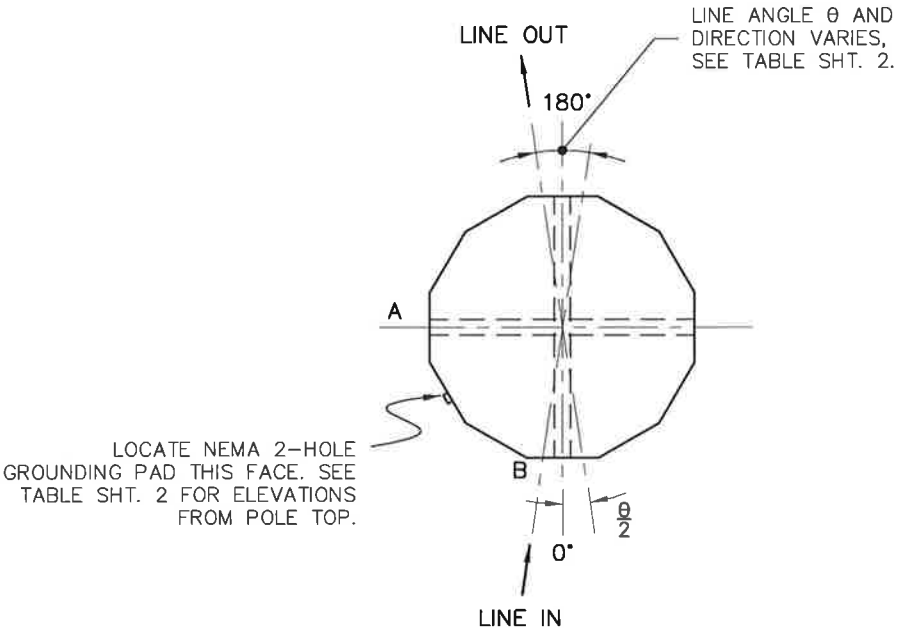
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	07/25/16
CKD.	BCF	APPD.	WPJ
SCALE:	NONE		14-7798

DATE	REVISION

DWG. NO.
SPFD-2
1 OF 1





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4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.

5) REFER TO DRAWING SPFD-3 SHEET 2 OF 2 FOR LISTING OF STRUCTURES DESIGNED WITH SPFD-3 FRAMING.

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TP-115B2-S-T

Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	07/25/16
CKD.	BCF	APPD.	WPJ
SCALE:	NONE		14-7798

DATE	REVISION

DWG. NO.
SPFD-3
1 OF 2

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	CAISSON DIAMETER (ft)	EMBEDMENT (ft)	LINE ANGLE 0	NEMA 2-HOLE PADS		
					OHGW	NEUTRAL	POLE GROUND
34	115/S-11.0	3	25	0° 29' 46" RT	1'-6"	53'-0"	88'-6"
35	115/S-11.0	3	25	0° 05' 46" LT	1'-6"	53'-0"	88'-6"
36	115/S-12.0	3	25	0° 04' 47" LT	1'-6"	53'-0"	88'-6"
37	115/S-11.0	3	25	0° 03' 03" RT	1'-6"	53'-0"	88'-6"
38	115/S-11.0	3	25	0° 18' 28" LT	1'-6"	53'-0"	88'-6"
39	120/S-13.0	3	30	3° 35' 32" LT	1'-6"	53'-0"	88'-6"
39A	115/S-08.0	3	25	2° 43' 04" RT	1'-6"	53'-0"	88'-6"
40	115/S-09.0	3	25	1° 06' 35" LT	1'-6"	53'-0"	88'-6"
41	115/S-07.4	3	25	N/A	1'-6"	53'-0"	88'-6"
42	115/S-11.0	3	25	N/A	1'-6"	53'-0"	88'-6"
43	115/S-12.0	3	25	N/A	1'-6"	53'-0"	88'-6"
44	120/S-14.0	3	30	N/A	1'-6"	53'-0"	88'-6"
45	115/S-07.4	3	25	N/A	1'-6"	53'-0"	88'-6"
46	115/S-07.4	3	25	N/A	1'-6"	53'-0"	88'-6"
47	115/S-07.4	3	25	N/A	1'-6"	53'-0"	88'-6"
48	115/S-09.0	3	25	N/A	1'-6"	53'-0"	88'-6"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TP-115-S-T

Booth & Associates, LLC
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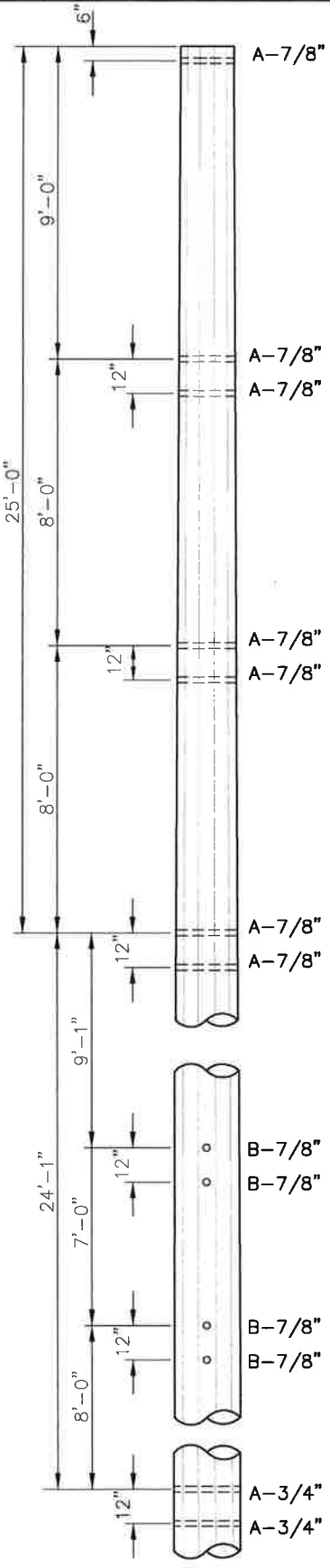
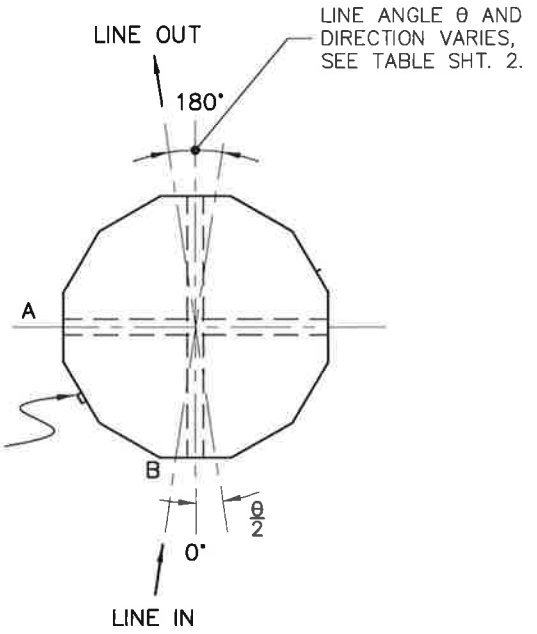
DWN.	AVS	DATE:	07/25/16
CKD.	DSH	APPD.	RSY
SCALE:	NONE		14-7798

DATE	REVISION

DWG. NO.
SPFD-3
2 OF 2



LOCATE NEMA 2-HOLE GROUNDING PAD THIS FACE. SEE TABLE SHT. 2 FOR ELEVATIONS FROM POLE TOP.



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4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.

5) REFER TO DRAWING SPFD-4 SHEET 2 OF 2 FOR LISTING OF STRUCTURES DESIGNED WITH SPFD-4 FRAMING.

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TP-115B2-S-T

Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	07/25/16
CKD.	BCF	APPD.	WPJ
SCALE:	NONE		14-7798

DATE	REVISION

DWG. NO.
SPFD-4
1 OF 2

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	CAISSON DIAMETER (ft)	EMBEDMENT (ft)	LINE ANGLE Ø	NEMA 2-HOLE PADS		
					OHGW	NEUTRAL	POLE GROUND
51	110/S-13.0	3	25	N/A	1'-6"	50'-6"	83'-6"
52	110/S-09.0	3	25	N/A	1'-6"	50'-6"	83'-6"
53	115/S-09.0	3	30	N/A	1'-6"	50'-6"	83'-6"
54	125/S-14.0	3	35	N/A	1'-6"	50'-6"	88'-6"
55	115/S-09.0	3	30	0° 26' 59" RT	1'-6"	50'-6"	83'-6"
56	120/ENG	4	35	6° 25' 57" LT	1'-6"	50'-6"	83'-6"
57	130/ENG	4	35	11° 46' 44" LT	1'-6"	50'-6"	93'-6"
58	115/ENG	3	30	6° 43' 19" LT	1'-6"	50'-6"	83'-6"
59	115/S-14.0	3	30	0° 18' 58" LT	1'-6"	50'-6"	83'-6"
60	115/S-10.0	3	30	N/A	1'-6"	50'-6"	83'-6"
61	115/S-11.0	3	30	N/A	1'-6"	50'-6"	83'-6"
62	115/S-14.0	3	30	N/A	1'-6"	50'-6"	83'-6"
63	115/S-10.0	3	30	N/A	1'-6"	50'-6"	83'-6"
64	115/S-09.0	3	30	0° 13' 11" LT	1'-6"	50'-6"	83'-6"
65	120/ENG	3	35	5° 41' 16" LT	1'-6"	50'-6"	83'-6"
66	120/ENG	3	35	8° 02' 07" LT	1'-6"	50'-6"	83'-6"
67	120/ENG	3	35	6° 51' 01" LT	1'-6"	50'-6"	83'-6"
68	120/S-15.0	3	35	1° 19' 32" LT	1'-6"	50'-6"	83'-6"
69	120/S-11.0	3	35	N/A	1'-6"	50'-6"	83'-6"
70	120/S-14.0	3	35	N/A	1'-6"	50'-6"	83'-6"
71	120/S-14.0	3	35	N/A	1'-6"	50'-6"	83'-6"
72	110/S-12.0	3	25	N/A	1'-6"	50'-6"	83'-6"
72A	105/S-10.0	3	20	N/A	1'-6"	50'-6"	83'-6"
73	120/S-13.0	3	35	N/A	1'-6"	50'-6"	83'-6"
74	110/S-12.0	3	25	N/A	1'-6"	50'-6"	83'-6"
75	110/S-15.0	3	25	N/A	1'-6"	50'-6"	83'-6"
75A	110/S-14.0	3	25	N/A	1'-6"	50'-6"	83'-6"
76	110/S-13.0	3	25	N/A	1'-6"	50'-6"	83'-6"
77	110/S-14.0	3	25	N/A	1'-6"	50'-6"	83'-6"
78	110/S-13.0	3	25	N/A	1'-6"	50'-6"	83'-6"
79	110/S-12.0	3	25	N/A	1'-6"	50'-6"	83'-6"
80	105/S-10.0	3	20	N/A	1'-6"	50'-6"	83'-6"
81	110/S-09.0	3	25	0° 38' 36" RT	1'-6"	50'-6"	83'-6"
82	115/S-10.0	3	30	1° 11' 40" LT	1'-6"	50'-6"	83'-6"
84	110/S-10.0	3	25	0° 31' 52" RT	1'-6"	50'-6"	83'-6"
85	120/S-16.0	3	35	0° 00' 09" LT	1'-6"	50'-6"	83'-6"
86	110/S-10.0	3	25	0° 26' 38" RT	1'-6"	50'-6"	83'-6"
88	115/S-09.0	3	25	N/A	1'-6"	50'-6"	88'-6"
91	105/S-09.0	3	20	3° 16' 39" RT	1'-6"	50'-6"	83'-6"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

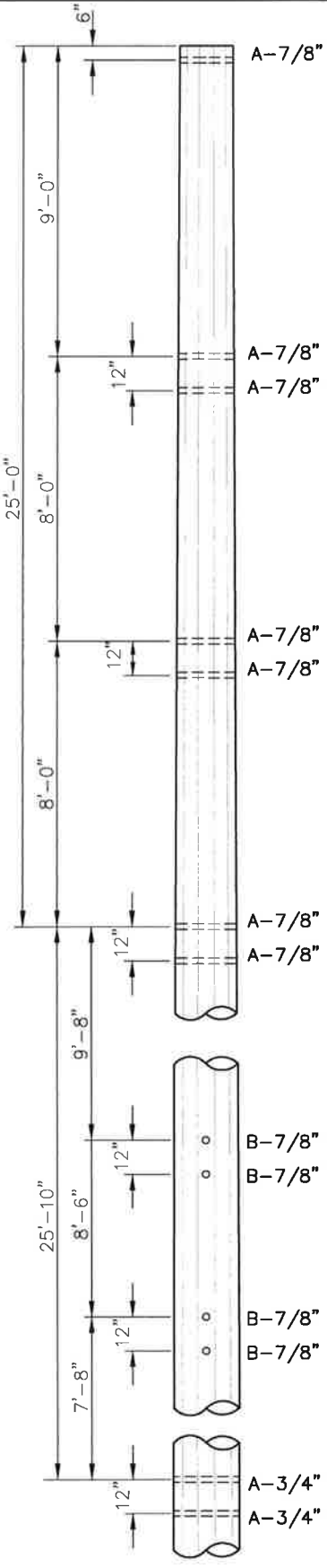
STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TP-115B2-S-T

Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	07/25/16
CKD.	DSH	APPD.	RSY
SCALE:	NONE		14-7798

DATE	REVISION

DWG. NO.
SPFD-4
2 OF 2



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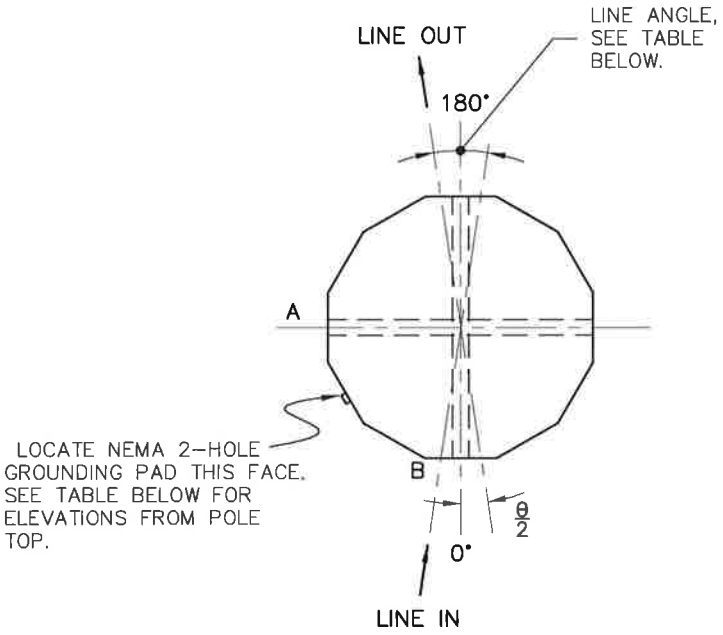


NOTES:

1) LETTERS (i.e. "A" & "B") INDICATE THRU-VANG AND/OR THROUGH HOLE LOCATIONS AND ORIENTATION.

2) LETTERS WITH DIMENSIONS (i.e. C-7/8") INDICATE THROUGH HOLES WITH DIAMETER FOR DRILLING. ALL HOLES ARE TO BE LOCATED ON THE CENTER OF A FLAT.

3) DIMENSIONS SHOWN ON THRU-VANG DETAIL ARE REQUIRED TO ENSURE HARDWARE COMPATIBILITY. POLE MANUFACTURER IS RESPONSIBLE FOR VERIFYING THAT THE THRU-VANG STRENGTH EXCEEDS ULTIMATE STRENGTH REQUIREMENTS.

4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	CAISSON DIAMETER (ft)	EMBEDMENT (ft)	LINE ANGLE θ	NEMA 2-HOLE PADS		
					OHGW	NEUTRAL	POLE GROUND
50	110/S-08.0	3	25	N/A	1'-6"	51'-0"	83'-6"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TP-115B2(S)-T

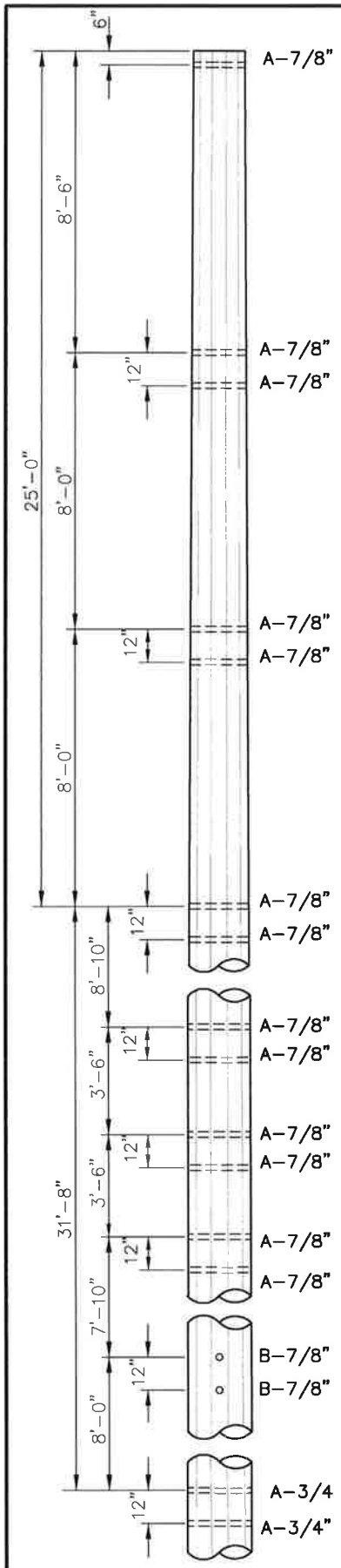
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	07/25/16
CKD.	BCF	APPD.	WPJ
SCALE:	NONE		14-7798

DATE	REVISION

DWG. NO.
SPFD-5
1 OF 1
© 06/16

1407798SPFD-T (ID 40344)



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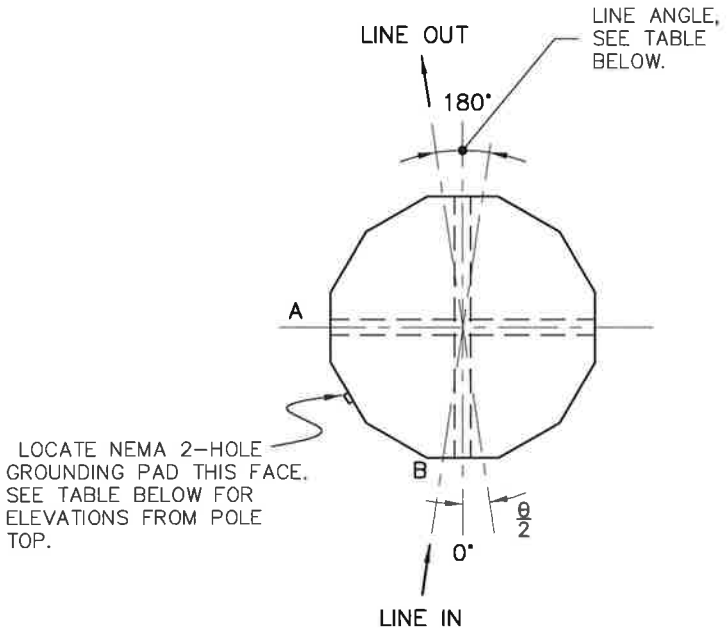


NOTES:

1) LETTERS (i.e. "A" & "B") INDICATE THRU–VANG AND/OR THROUGH HOLE LOCATIONS AND ORIENTATION.

2) LETTERS WITH DIMENSIONS (i.e. C–7/8") INDICATE THROUGH HOLES WITH DIAMETER FOR DRILLING. ALL HOLES ARE TO BE LOCATED ON THE CENTER OF A FLAT.

3) DIMENSIONS SHOWN ON THRU–VANG DETAIL ARE REQUIRED TO ENSURE HARDWARE COMPATIBILITY. POLE MANUFACTURER IS RESPONSIBLE FOR VERIFYING THAT THE THRU–VANG STRENGTH EXCEEDS ULTIMATE STRENGTH REQUIREMENTS.

4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	CAISSON DIAMETER (ft)	EMBEDMENT (ft)	LINE ANGLE θ	NEMA 2-HOLE PADS		
					OHGW	NEUTRAL	POLE GROUND
49	115/S-10.0	3	25	N/A	1'-6"	56'-0"	88'-6"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

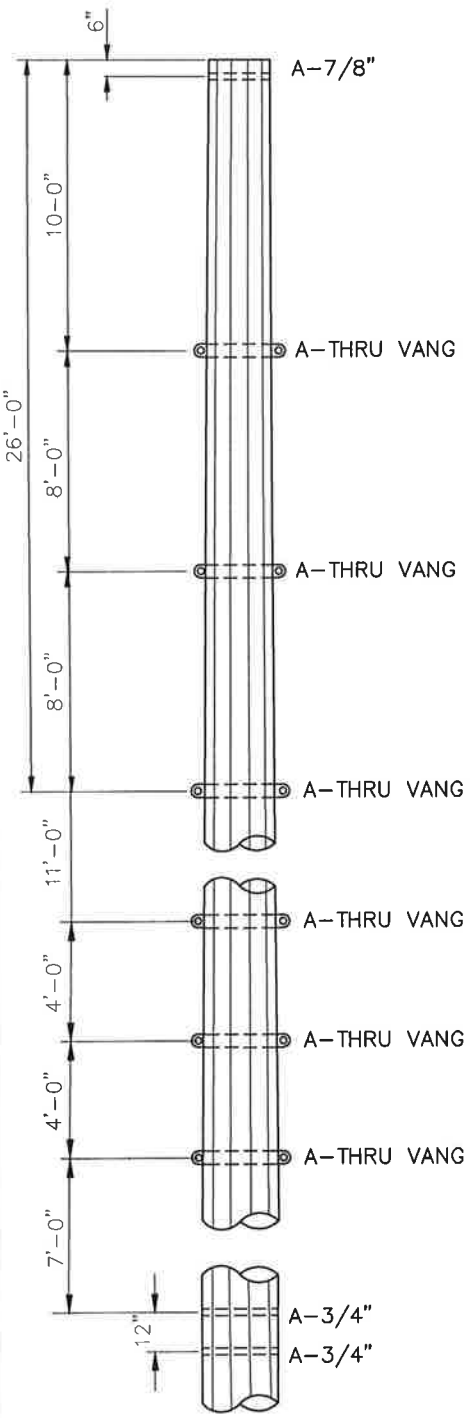
STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TP–115B2–S

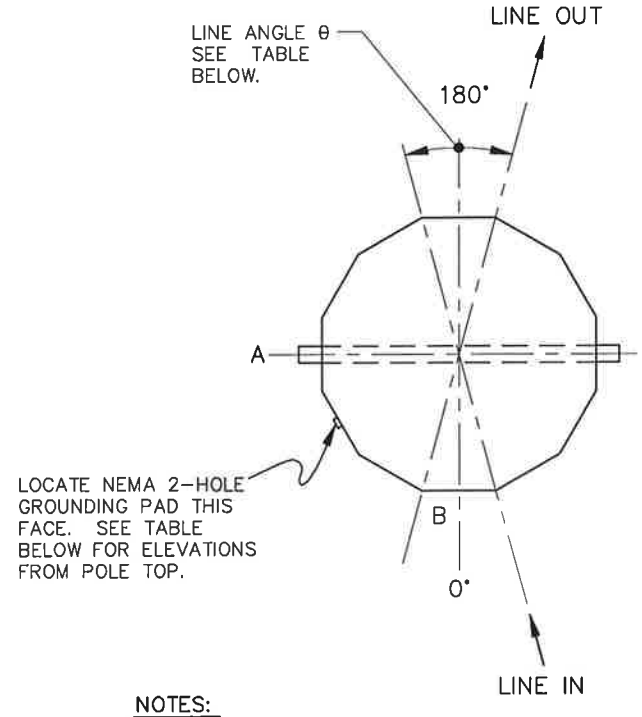
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	07/25/16
CKD.	BCF	APPD.	WPJ
SCALE:	NONE		14–7798

DATE	REVISION

DWG. NO.
SPFD–6
1 OF 1





NOTES:

1) LETTERS (i.e. "A" & "B") INDICATE THRU–VANG AND/OR THROUGH HOLE LOCATIONS AND ORIENTATION.

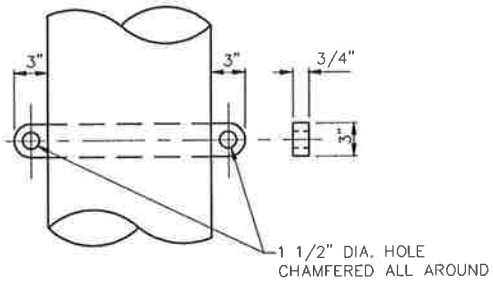
2) LETTERS WITH DIMENSIONS (i.e. C–7/8") INDICATE THROUGH HOLES WITH DIAMETER FOR DRILLING. ALL HOLES ARE TO BE LOCATED ON A FLAT.

3) DIMENSIONS SHOWN ON THRU–VANG DETAIL ARE REQUIRED TO ENSURE HARDWARE COMPATIBILITY. POLE MANUFACTURER IS RESPONSIBLE FOR VERIFYING THAT THE THRU–VANG STRENGTH EXCEEDS ULTIMATE STRENGTH REQUIREMENTS.

4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	EMBEDMENT	LINE ANGLE θ	NEMA 2-HOLE PADS		
				OHGW	NEUTRAL	POLE GROUND
14	80/ENG	S.M.	17° 24' 33" RT	1'-6"	52'-6"	78'-6"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)



THRU–VANG DETAIL
TYPICAL
NTS

MIN. 30,000 lbs. ULTIMATE STRENGTH VANG REQUIRED 90° OR 45° LOAD

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

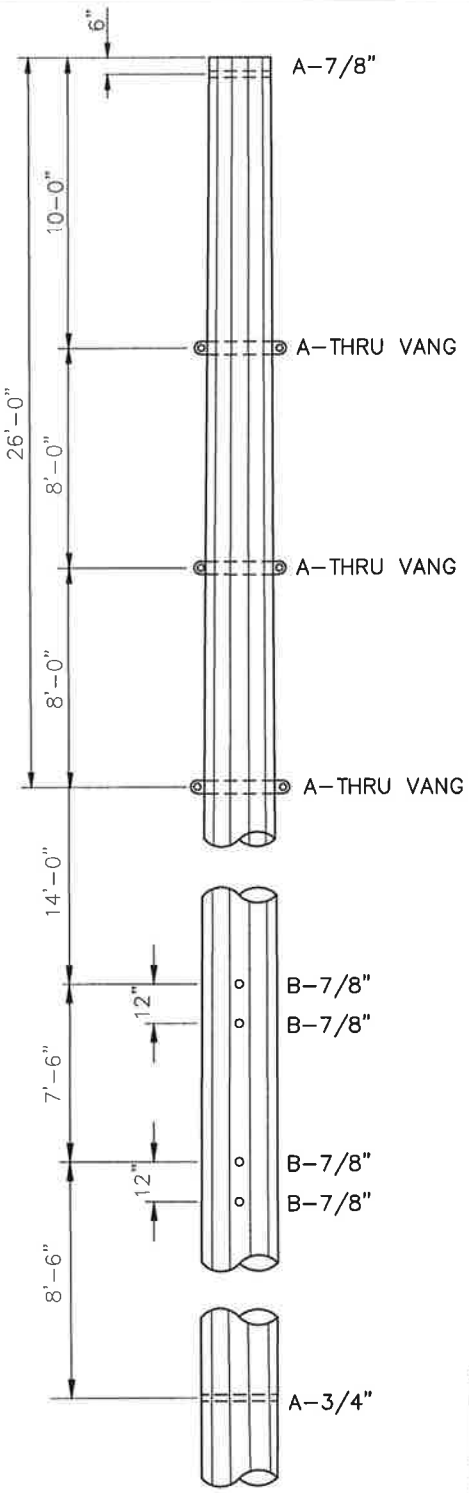
STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TS–4A(S)

Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

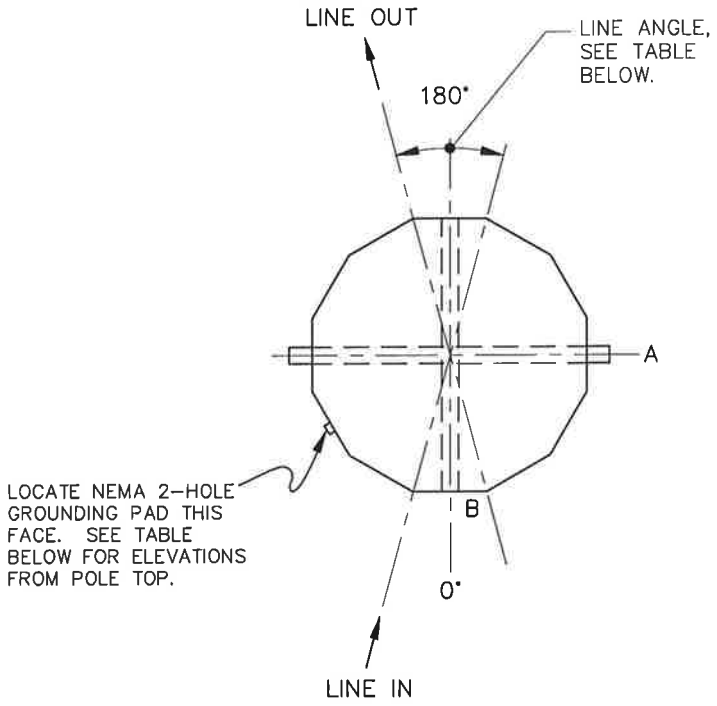
DWN.	AVS	DATE:	07/25/16
CKD.	BCF	APPD.	WPJ
SCALE:	NONE		14–7798

DATE	REVISION

DWG. NO.
SPFD–7
1 OF 1



DIRECT EMBEDDED



NOTES:

1) LETTERS (i.e. "A" & "B") INDICATE THRU–VANG AND/OR THROUGH HOLE LOCATIONS AND ORIENTATION.

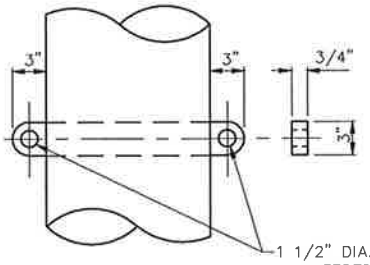
2) LETTERS WITH DIMENSIONS (i.e. C–7/8") INDICATE THROUGH HOLES WITH DIAMETER FOR DRILLING. ALL HOLES ARE TO BE LOCATED ON A FLAT.

3) DIMENSIONS SHOWN ON THRU–VANG DETAIL ARE REQUIRED TO ENSURE HARDWARE COMPATIBILITY. POLE MANUFACTURER IS RESPONSIBLE FOR VERIFYING THAT THE THRU–VANG STRENGTH EXCEEDS ULTIMATE STRENGTH REQUIREMENTS.

4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	CAISSON DIAMETER (ft)	EMBEDMENT (ft)	LINE ANGLE 0	NEMA 2-HOLE PADS		
					OHGW	NEUTRAL	POLE GROUND
90	110/ENG	4	25	19° 28' 47" LT	1'-6"	56'-6"	83'-6"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)



THRU–VANG DETAIL
TYPICAL
NTS

MIN. 30,000 lbs. ULTIMATE STRENGTH VANG REQUIRED 90° OR 45° LOAD

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

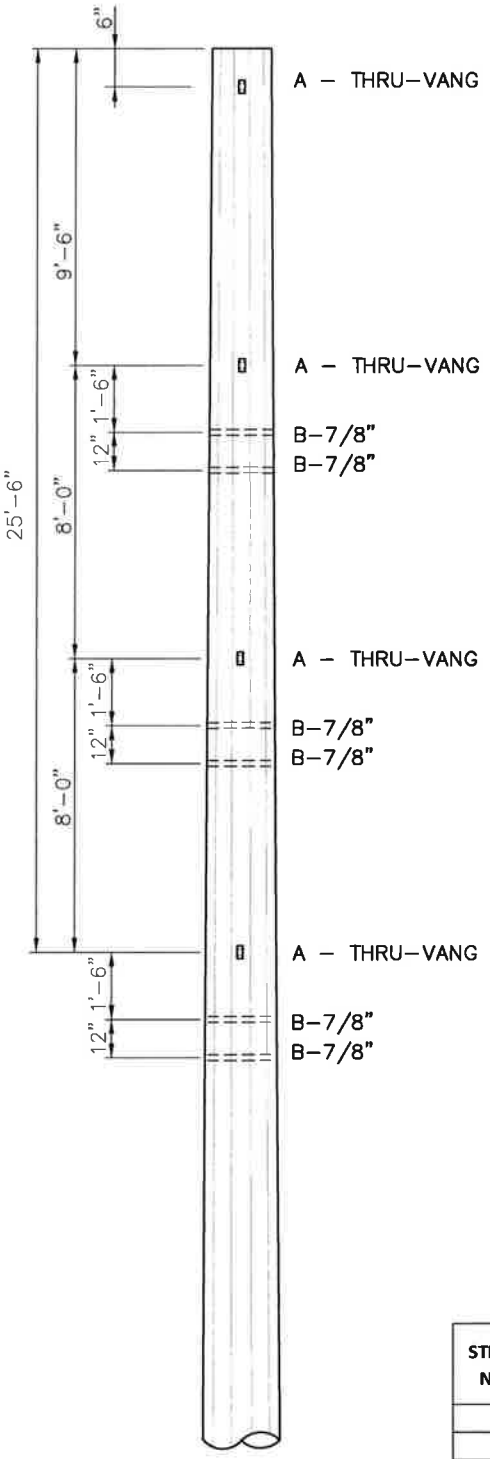
STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TS–4A–S

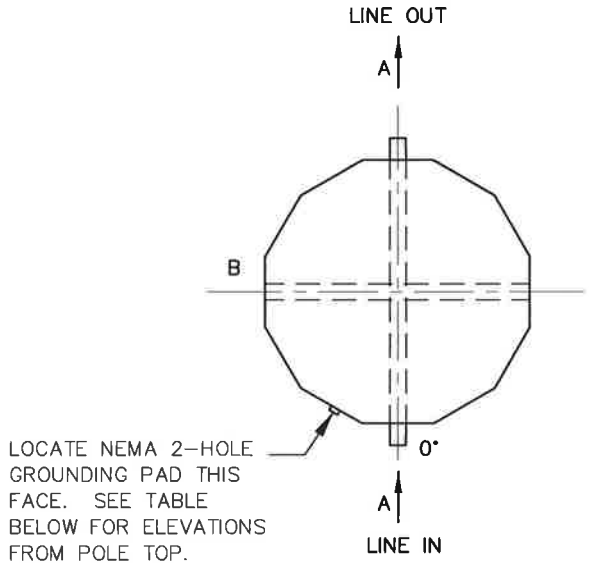
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	07/25/16
CKD.	BCF	APPD.	WPJ
SCALE:	NONE		14–7798

DATE	REVISION

DWG. NO.
SPFD–8
1 OF 1





NOTES:

1) LETTERS (i.e. "A" & "B") INDICATE THRU–VANG AND/OR THROUGH HOLE LOCATIONS AND ORIENTATION.

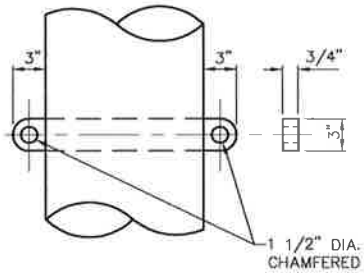
2) LETTERS WITH DIMENSIONS (i.e. C–7/8") INDICATE THROUGH HOLES WITH DIAMETER FOR DRILLING. ALL HOLES ARE TO BE LOCATED ON A FLAT.

3) DIMENSIONS SHOWN ON THRU–VANG DETAIL ARE REQUIRED TO ENSURE HARDWARE COMPATIBILITY. POLE MANUFACTURER IS RESPONSIBLE FOR VERIFYING THAT THE THRU–VANG STRENGTH EXCEEDS ULTIMATE STRENGTH REQUIREMENTS.

4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	CAISSON DIAMETER (ft)	EMBEDMENT (ft)	LINE ANGLE 0	NEMA 2-HOLE PADS		
					OHGW	NEUTRAL	POLE GROUND
2A	90/ENG	3	30	0° 52' 37" RT	1'-6"	N/A	58'-6"
3A	85/ENG	3	30	0° 12' 38" RT	1'-6"	N/A	53'-6"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)



THRU–VANG DETAIL
TYPICAL
NTS

MIN. 30,000 lbs. ULTIMATE STRENGTH VANG REQUIRED 90° OR 45° LOAD

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

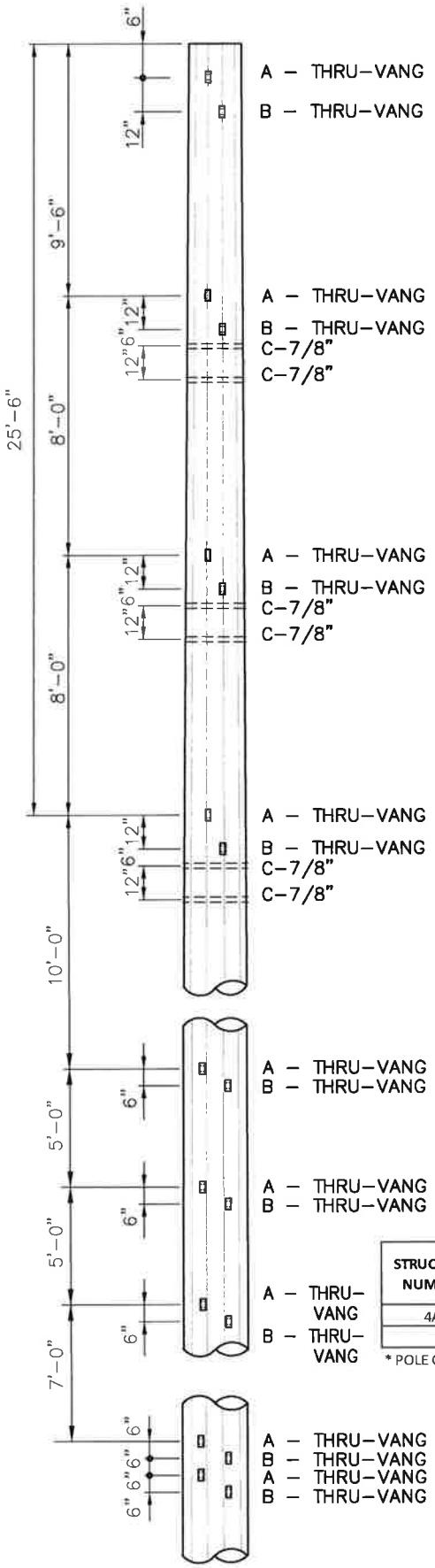
STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TS–5AA–S

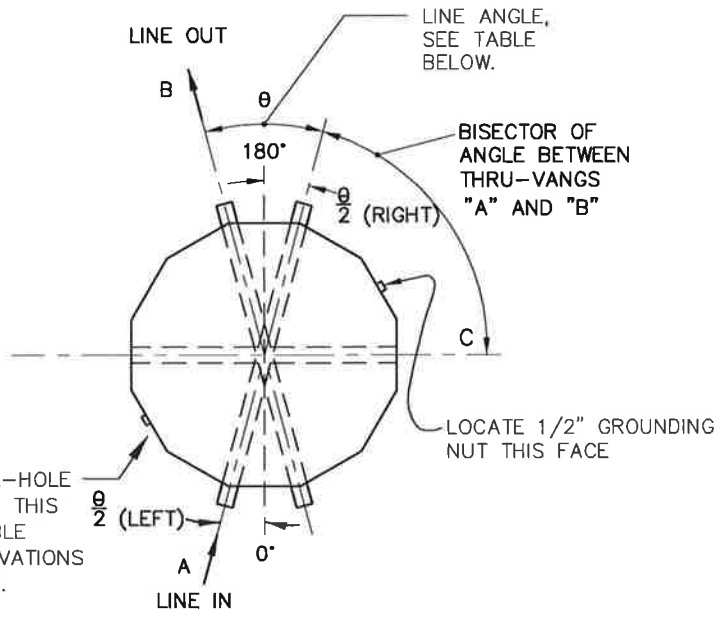
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	07/25/16
CKD.	BCF	APPD.	WPJ
SCALE:	NONE		14–7798

DATE	REVISION

DWG. NO.
SPFD–9
1 OF 1





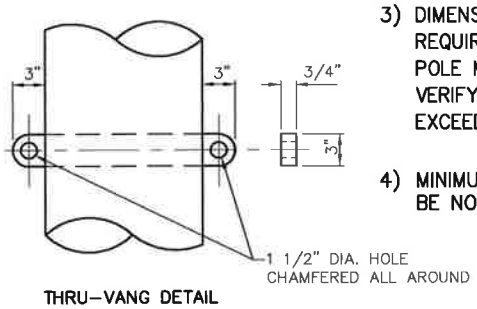
NOTES:

1) LETTERS (i.e. "A" & "B") INDICATE THRU–VANG AND/OR THROUGH HOLE LOCATIONS AND ORIENTATION.

2) LETTERS WITH DIMENSIONS (i.e. C–7/8") INDICATE THROUGH HOLES WITH DIAMETER FOR DRILLING. ALL HOLES ARE TO BE LOCATED ON A FLAT.

3) DIMENSIONS SHOWN ON THRU–VANG DETAIL ARE REQUIRED TO ENSURE HARDWARE COMPATIBILITY. POLE MANUFACTURER IS RESPONSIBLE FOR VERIFYING THAT THE THRU–VANG STRENGTH EXCEEDS ULTIMATE STRENGTH REQUIREMENTS.

4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.



THRU–VANG DETAIL
TYPICAL
NTS

MIN. 30,000 lbs. ULTIMATE STRENGTH VANG REQUIRED 90° OR 45° LOAD

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	EMBEDMENT	LINE ANGLE θ	NEMA 2-HOLE PADS			NEMA GUY GROUNDING NUT		
				OHGW	NEUTRAL	POLE GROUND	TOP	MIDDLE	BOTTOM
4A	90/ENG	S.M.	41° 17' 23" LT	1'-6"	53'-0"	88'-6"	11'-6"	19'-6"	27'-6"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

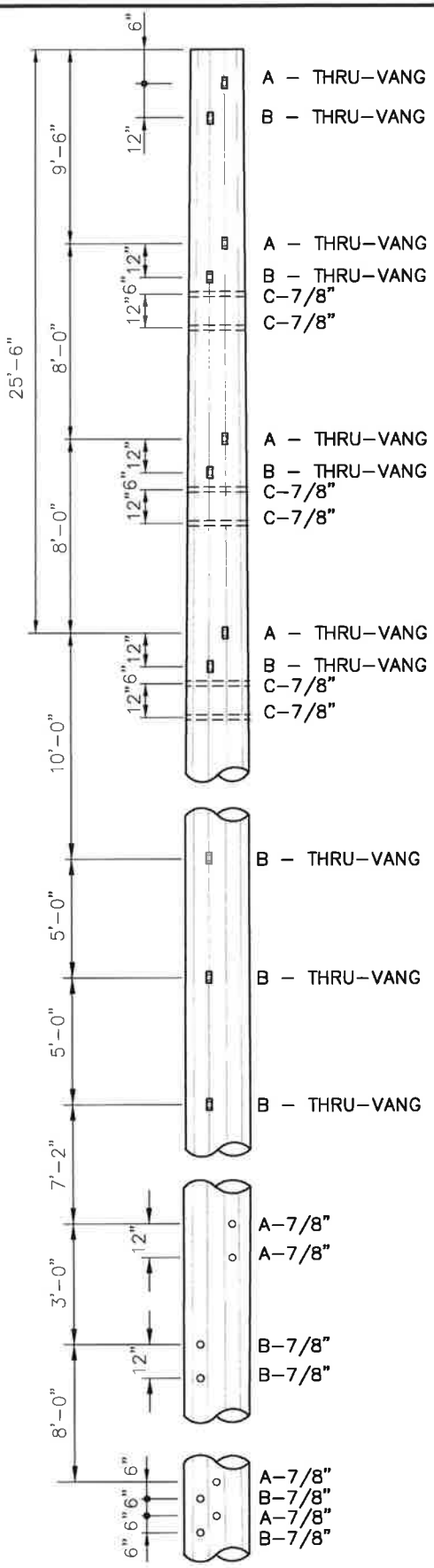
STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TS–5AA–S

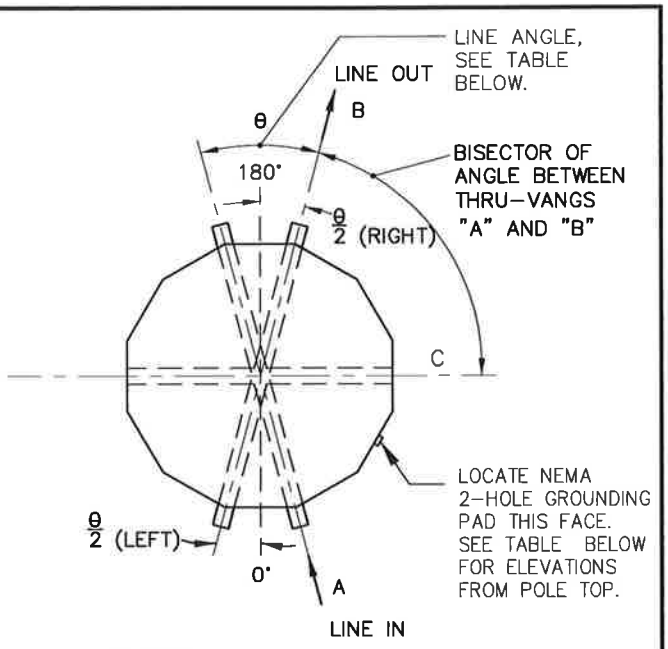
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

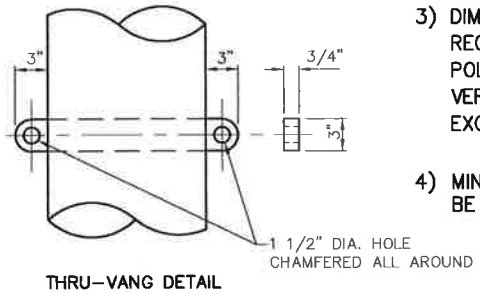
DWN.	AVS	DATE:	07/25/16
CKD.	BCF	APPD.	WPJ
SCALE:	NONE		14–7798

DATE	REVISION

DWG. NO.
SPFD–10
1 OF 1







THRU–VANG DETAIL
TYPICAL
NTS

MIN. 30,000 lbs. ULTIMATE STRENGTH VANG REQUIRED 90° OR 45° LOAD

NOTES:

1) LETTERS (i.e. "A" & "B") INDICATE THRU–VANG AND/OR THROUGH HOLE LOCATIONS AND ORIENTATION.

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4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	EMBEDMENT	LINE ANGLE θ	NEMA 2-HOLE PADS		
				OHGW	NEUTRAL	POLE GROUND
33	95/ENG	S.M.	31° 52' 15" RT	1'-6"	64'-0"	93'-6"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

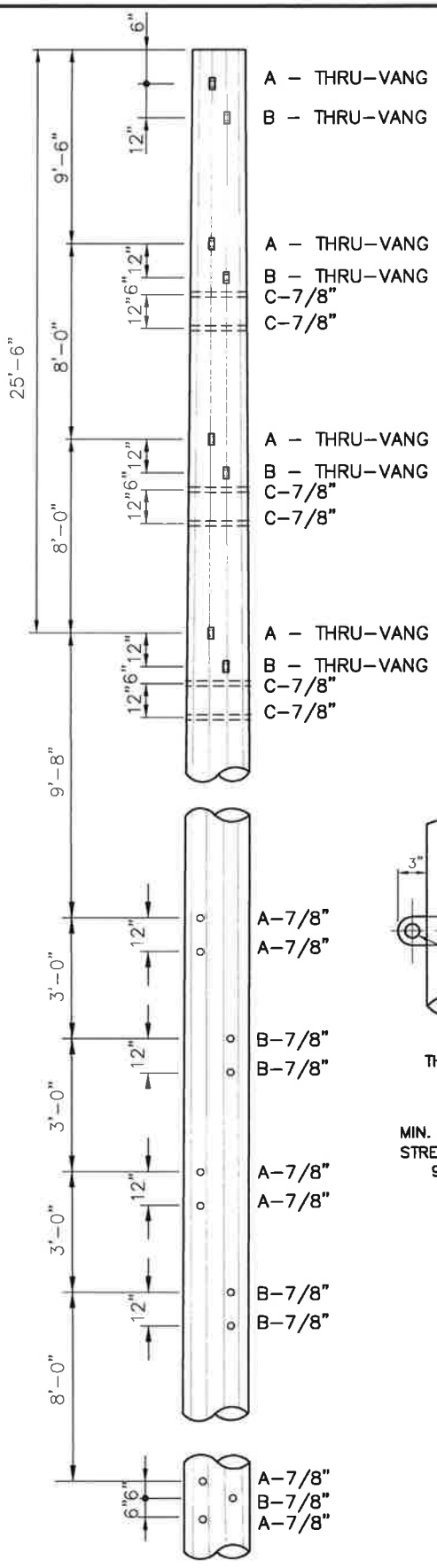
STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TS–5AA–S

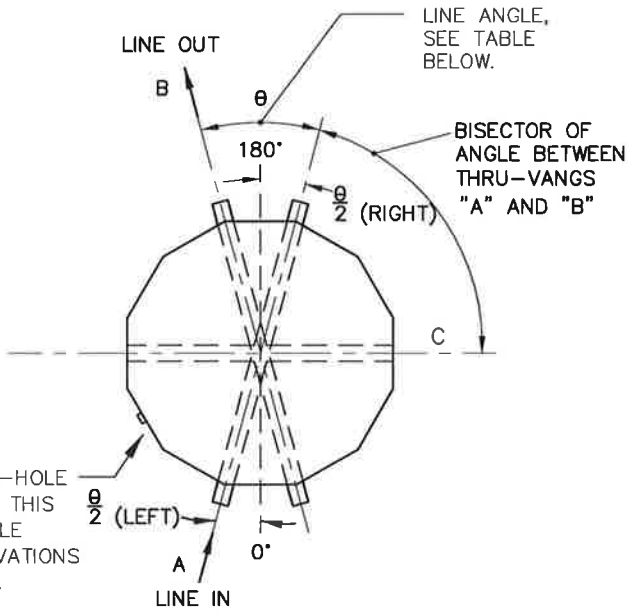
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	07/25/16
CKD.	BCF	APPD.	WPJ
SCALE:	NONE		14–7798

DATE	REVISION

DWG. NO.
SPFD–11
1 OF 1





NOTES:

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2) LETTERS WITH DIMENSIONS (i.e. C–7/8") INDICATE THROUGH HOLES WITH DIAMETER FOR DRILLING. ALL HOLES ARE TO BE LOCATED ON A FLAT.

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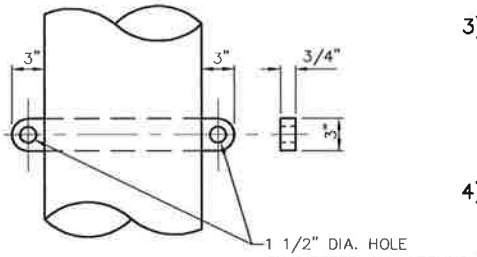
4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.



THRU–VANG DETAIL
TYPICAL
NTS

MIN. 30,000 lbs. ULTIMATE STRENGTH VANG REQUIRED 90° OR 45° LOAD

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	EMBEDMENT	LINE ANGLE θ	NEMA 2-HOLE PADS		
				OHGW	NEUTRAL	POLE GROUND
87	85/ENG	S.M.	27° 46' 48" LT	1'-6"	52'-6"	83'-6"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

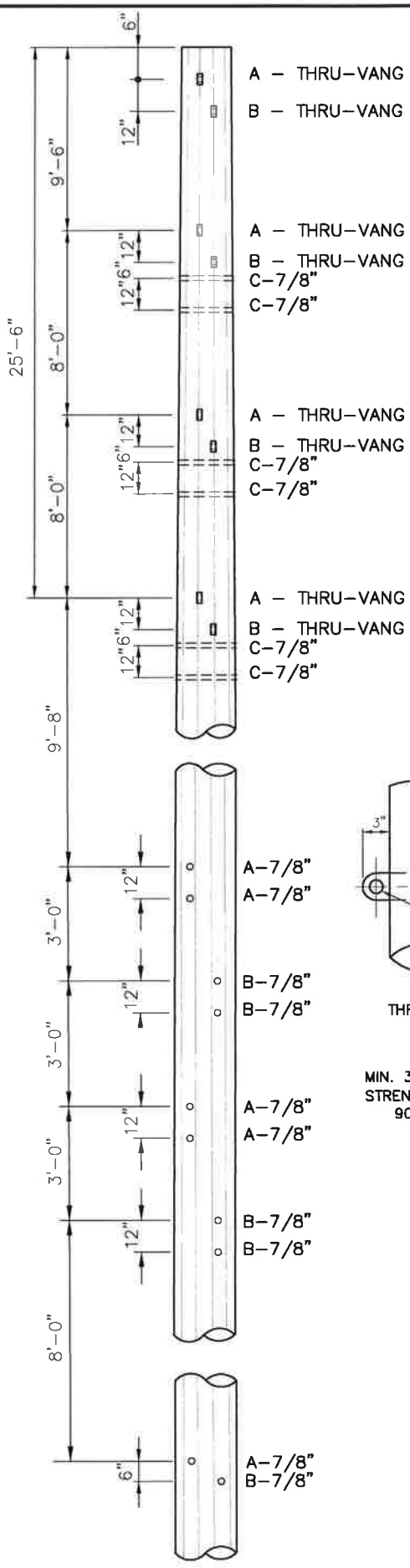
STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TS–5AA–S

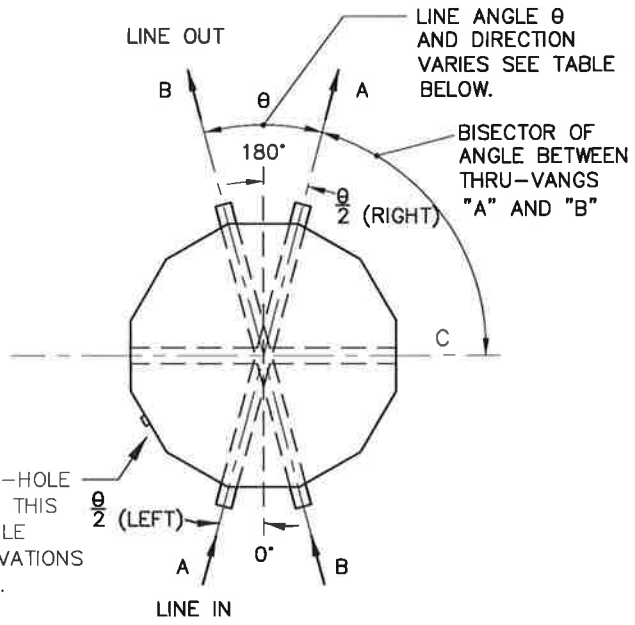
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	07/25/16
CKD.	BCF	APPD.	WPJ
SCALE:	NONE		14–7798

DATE	REVISION

DWG. NO.
SPFD–12
1 OF 1





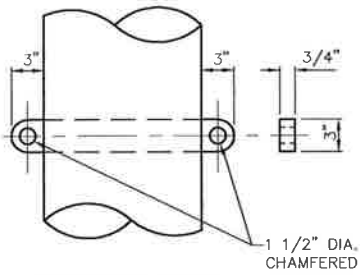
NOTES:

1) LETTERS (i.e. "A" & "B") INDICATE THRU–VANG AND/OR THROUGH HOLE LOCATIONS AND ORIENTATION.

2) LETTERS WITH DIMENSIONS (i.e. C–7/8") INDICATE THROUGH HOLES WITH DIAMETER FOR DRILLING. ALL HOLES ARE TO BE LOCATED ON A FLAT.

3) DIMENSIONS SHOWN ON THRU–VANG DETAIL ARE REQUIRED TO ENSURE HARDWARE COMPATIBILITY. POLE MANUFACTURER IS RESPONSIBLE FOR VERIFYING THAT THE THRU–VANG STRENGTH EXCEEDS ULTIMATE STRENGTH REQUIREMENTS.

4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.



THRU–VANG DETAIL
TYPICAL
NTS

MIN. 30,000 lbs. ULTIMATE STRENGTH VANG REQUIRED 90° OR 45° LOAD

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	EMBEDMENT	LINE ANGLE θ	NEMA 2-HOLE PADS		
				OHGW	NEUTRAL	POLE GROUND
89	85/ENG	S.M.	59° 20' 57" LT	1'-6"	52'-6"	83'-6"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TS–5AA–S

Booth & Associates, LLC
5811 Glenwood Avenue I Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

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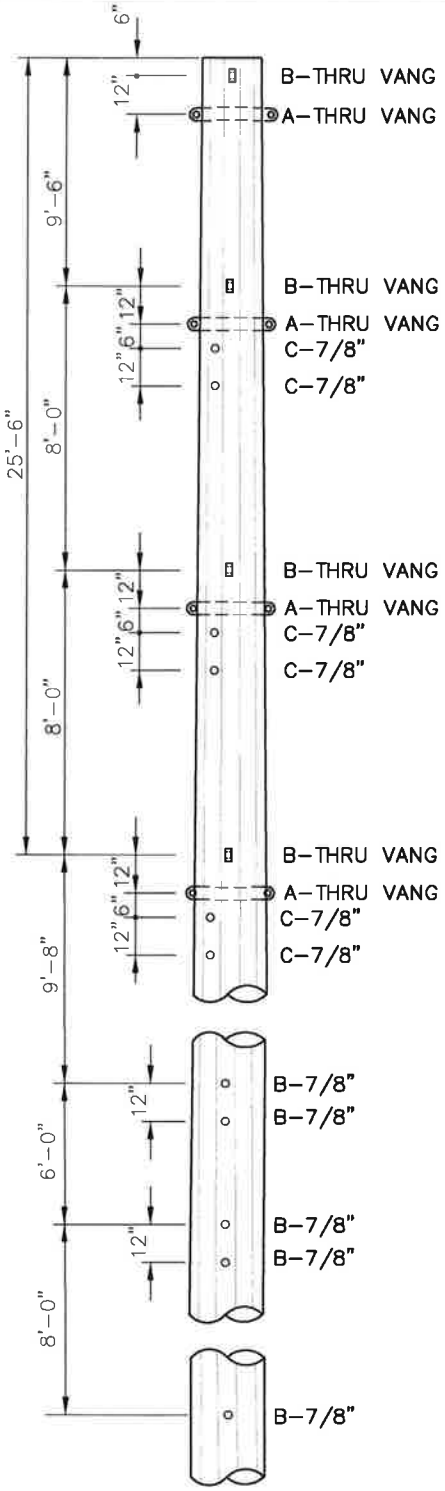
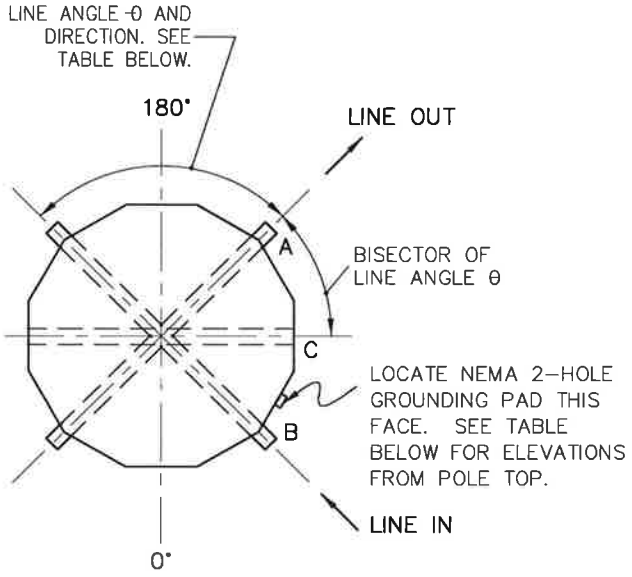
DWG. NO.
SPFD–13
1 OF 1





NOTES:

1) LETTERS (i.e. "A" & "B") INDICATE THRU–VANG AND/OR THROUGH HOLE LOCATIONS AND ORIENTATION.

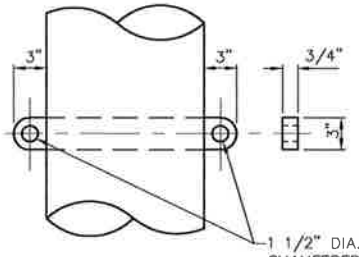
2) LETTERS WITH DIMENSIONS (i.e. C–7/8") INDICATE THROUGH HOLES WITH DIAMETER FOR DRILLING. ALL HOLES ARE TO BE LOCATED ON A FLAT.

3) DIMENSIONS SHOWN ON THRU–VANG DETAIL ARE REQUIRED TO ENSURE HARDWARE COMPATIBILITY. POLE MANUFACTURER IS RESPONSIBLE FOR VERIFYING THAT THE THRU–VANG STRENGTH EXCEEDS ULTIMATE STRENGTH REQUIREMENTS.

4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	EMBEDMENT	LINE ANGLE θ	NEMA 2-HOLE PADS		
				OHGW	NEUTRAL	POLE GROUND
92	75/ENG	S.M.	85° 57' 17" RT	1'-6"	50'-6"	73'-6"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)



THRU–VANG DETAIL
TYPICAL
NTS

MIN. 30,000 lbs. ULTIMATE STRENGTH VANG REQUIRED 90° OR 45° LOAD

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TS–5AA–S

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DWG. NO.
SPFD–14
1 OF 1
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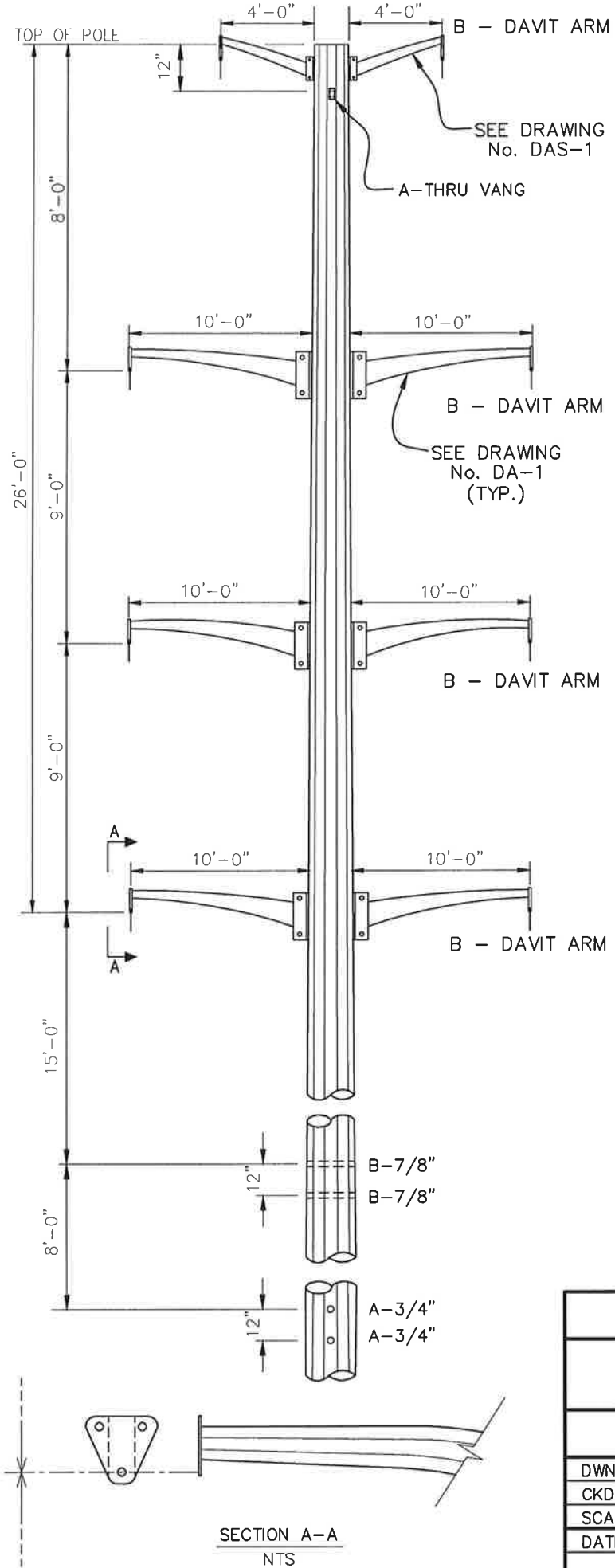
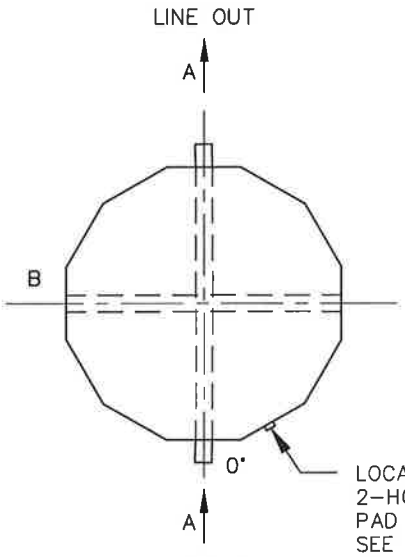
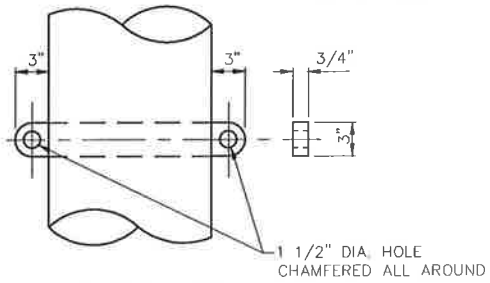
1407798SPFD–T (ID 40344)



SECTION A–A
NTS





THRU–VANG DETAIL
TYPICAL
NTS

MIN. 30,000 lbs. ULTIMATE STRENGTH VANG REQUIRED 90° OR 45° LOAD

NOTES:

1) LETTERS (i.e. "A" & "B") INDICATE THRU–VANG AND/OR THROUGH HOLE LOCATIONS AND ORIENTATION.

2) LETTERS WITH DIMENSIONS (i.e. C–3/4") INDICATE THROUGH HOLES WITH DIAMETER FOR DRILLING. ALL HOLES ARE TO BE LOCATED ON A FLAT.

3) DIMENSIONS SHOWN ON THRU–VANG DETAIL ARE REQUIRED TO ENSURE HARDWARE COMPATIBILITY. POLE MANUFACTURER IS RESPONSIBLE FOR VERIFYING THAT THE THRU–VANG STRENGTH EXCEEDS ULTIMATE STRENGTH REQUIREMENTS.

4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TS–DC–5A–S

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DATE	REVISION

DWG. NO.
SPFD–15
1 OF 2

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	EMBEDMENT	LINE ANGLE 0	NEMA 2-HOLE PADS		
				OHGW	NEUTRAL	POLE GROUND
1	85/ENG	S.M.	N/A	1'-6"	49'-6"	83'-6"

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TS-DC-5A-S

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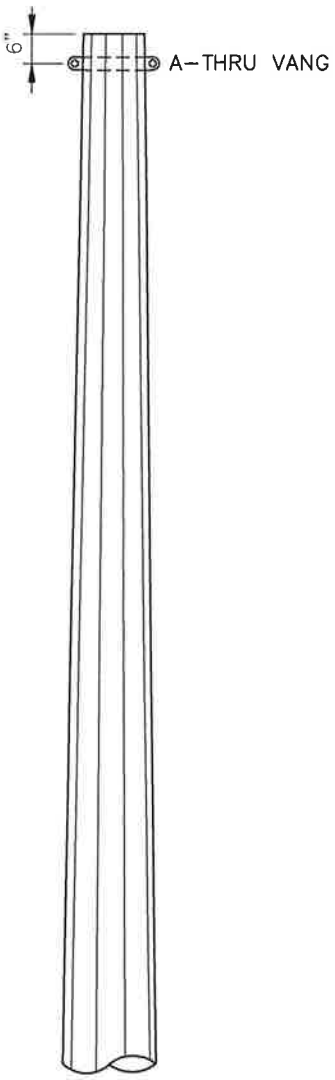
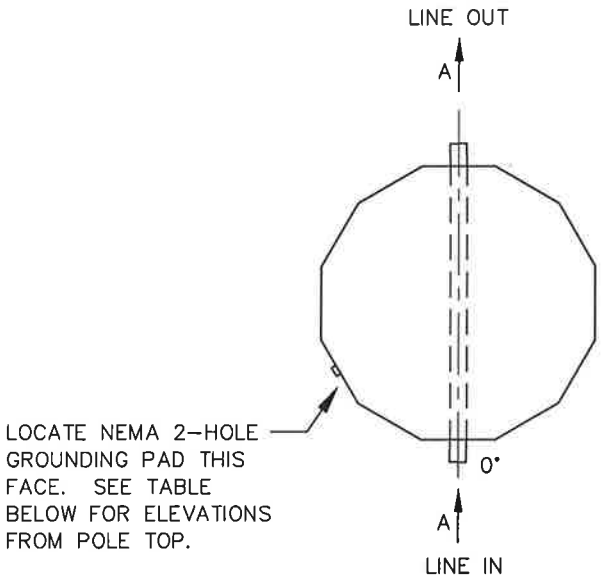
CKD.	BCF	APPD.	WPJ
SCALE:	NONE		14-7798

DATE	REVISION

DWG. NO.
SPFD-15
2 OF 2



DIRECT EMBEDDED
3–POLES TYP.



NOTES:

1) LETTERS (i.e. "A" & "B") INDICATE THRU–VANG AND/OR THROUGH HOLE LOCATIONS AND ORIENTATION.

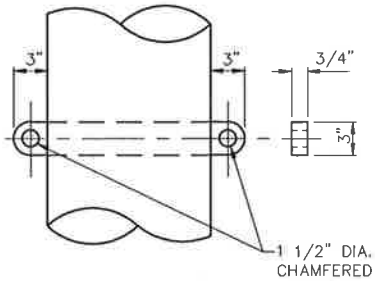
2) LETTERS WITH DIMENSIONS (i.e. C–3/4") INDICATE THROUGH HOLES WITH DIAMETER FOR DRILLING. ALL HOLES ARE TO BE LOCATED ON A FLAT.

3) DIMENSIONS SHOWN ON THRU–VANG DETAIL ARE REQUIRED TO ENSURE HARDWARE COMPATIBILITY. POLE MANUFACTURER IS RESPONSIBLE FOR VERIFYING THAT THE THRU–VANG STRENGTH EXCEEDS ULTIMATE STRENGTH REQUIREMENTS.

4) MINIMUM POLE TIP DIAMETER FLAT TO FLAT TO BE NO LESS THAN 10 INCHES.

STRUCTURE NUMBER	POLE HEIGHT /CLASS*	EMBEDMENT	LINE ANGLE 0	NEMA 2-HOLE PADS			NEMA GUY GROUNDING NUT		
				OHGW	NEUTRAL	POLE GROUND	TOP	MIDDLE	BOTTOM
GUC-Tap 1A	50/S-03.5	9.00	N/A	N/A	N/A	39'-6"	1'-6"	N/A	N/A
GUC-Tap 1B	50/S-03.5	9.00	N/A	N/A	N/A	39'-6"	1'-6"	N/A	N/A
GUC-Tap 1C	50/S-03.5	9.00	N/A	N/A	N/A	39'-6"	1'-6"	N/A	N/A

* POLE CLASS PER RUS STANDARD STEEL POLE DESIGNATION OR GROUNDLINE MOMENT (ft-kips)



THRU–VANG DETAIL
TYPICAL
NTS

MIN. 30,000 lbs. ULTIMATE STRENGTH VANG REQUIRED
90° OR 45° LOAD

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

STEEL POLE FRAMING DRAWING
115 kV TRANSMISSION LINE
230 kV P.O.D. TO BELLS FORK SUBSTATION
TS–5M–S 3–POLE

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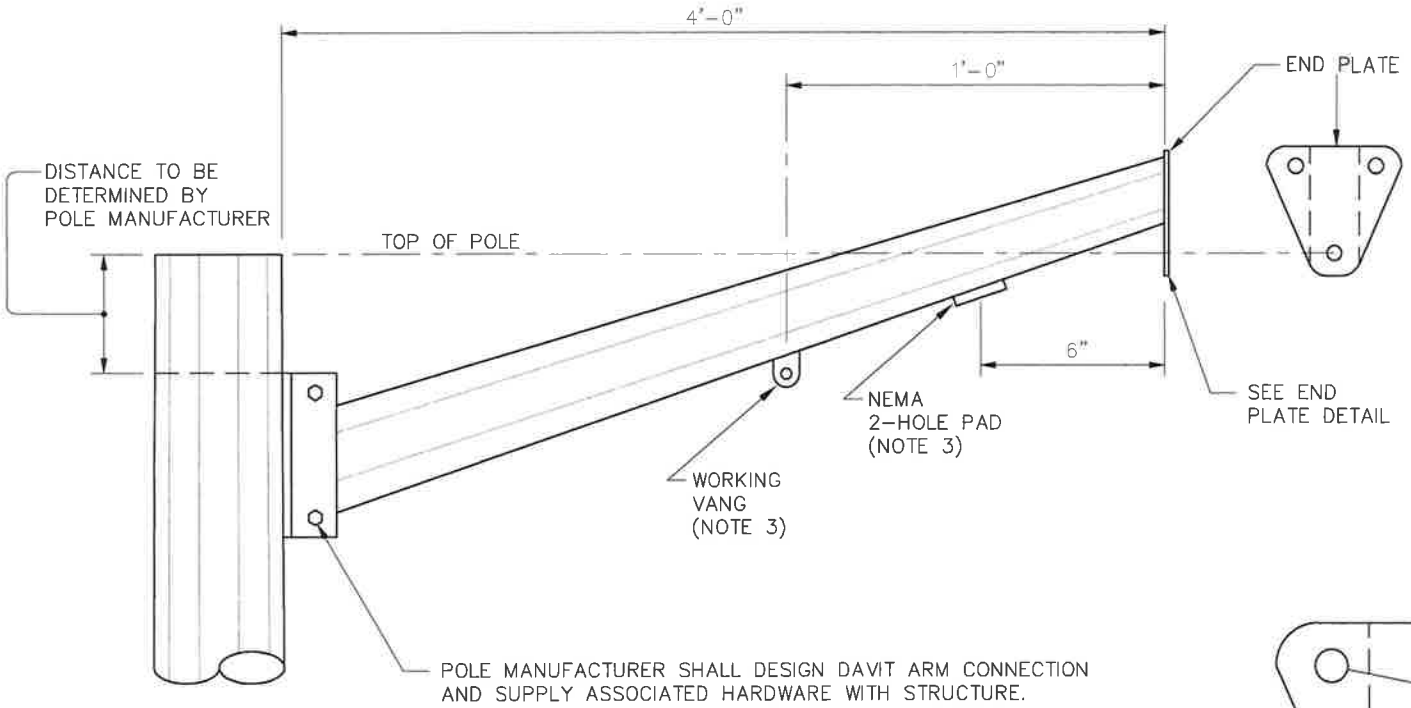
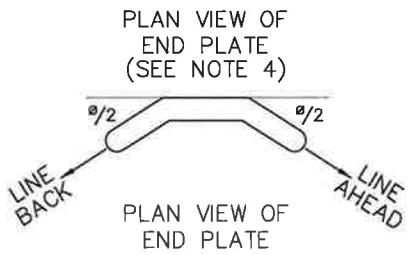
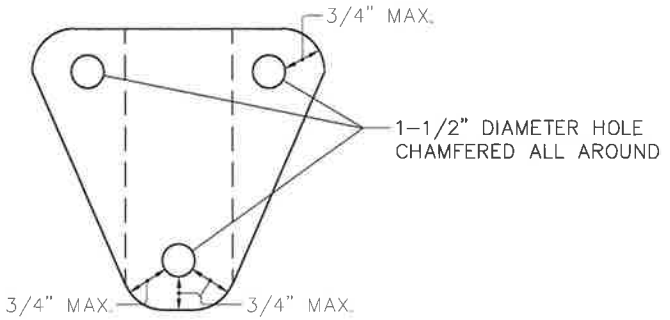
DWG. NO.
SPFD–16
1 OF 1



DAVIT ARM
NTS





END PLATE DETAIL
NTS

NOTES:

1. DAVIT ARM ABOVE IS TYPICAL. ACTUAL DESIGN OF DAVIT ARM MOUNTING BRACKET, END PLATE, AND MISCELLANEOUS ATTACHMENTS SHALL BE DONE BY MANUFACTURER UNDER INDICATED LOADS WITH APPROPRIATE OVERLOAD FACTORS.
2. ARMS SHALL NOT DEFLECT HORIZONTALLY OR VERTICALLY MORE THAN THREE INCHES (3") AT THE END OF THE ARM UNDER NESC HEAVY LOADING CONDITIONS (WITHOUT ANY OVERLOAD FACTORS APPLIED).
3. REFER TO DRAWING 'DA-A' FOR MISCELLANEOUS DAVIT ARM ATTACHMENT DETAILS.
4. END PLATE ARRANGEMENT AS SHOWN TYPICAL. SEE STEEL POLE FRAMING AND ATTACHMENT 'A' FOR APPROPRIATE BEND ORIENTATION AND ALIGNMENT.

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

4.0' STATIC DAVIT ARM – TANGENT/DEADEND DESIGN LOAD AND DETAILS

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DSN.	AVS	DWN:	06/01/16
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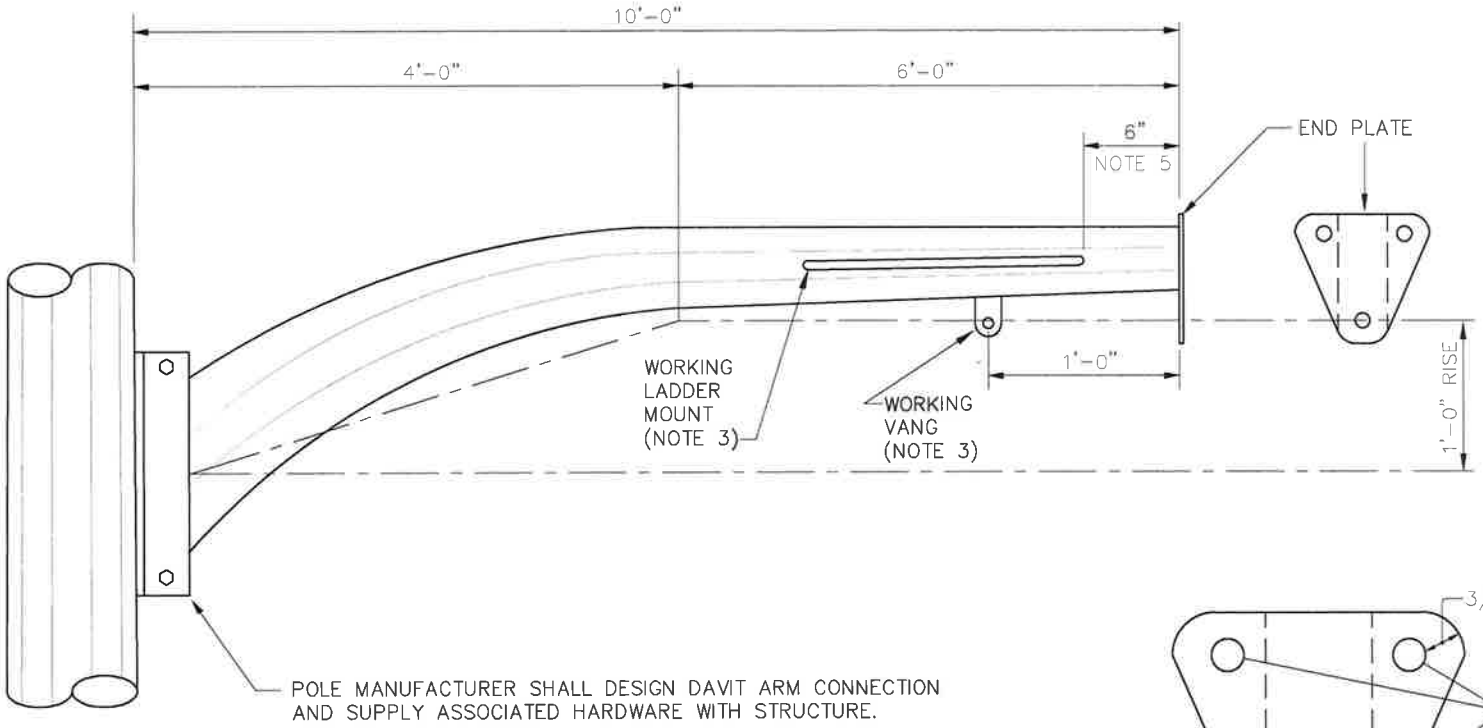
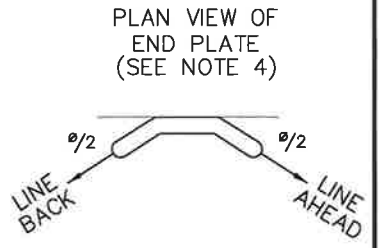
SCALE:	NONE	DATE:	14-7798

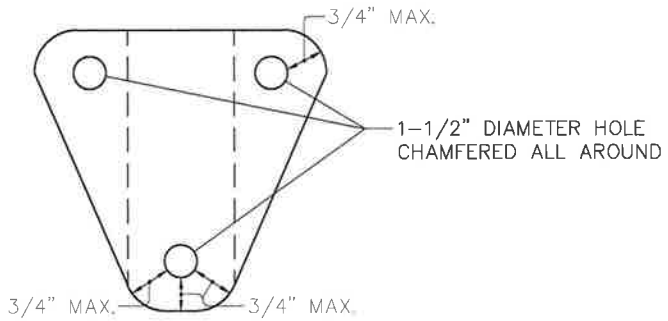
DATE	REVISION

DWG. NO.
DAS-1



DAVIT ARM
NTS





END PLATE DETAIL
NTS

NOTES:

1. DAVIT ARM ABOVE IS TYPICAL. ACTUAL DESIGN OF DAVIT ARM MOUNTING BRACKET, END PLATE, AND MISCELLANEOUS ATTACHMENTS SHALL BE DONE BY MANUFACTURER UNDER INDICATED LOADS WITH APPROPRIATE OVERLOAD FACTORS.
2. ARMS SHALL NOT DEFLECT HORIZONTALLY OR VERTICALLY MORE THAN THREE INCHES (3") AT THE END OF THE ARM UNDER NESC HEAVY LOADING CONDITIONS (WITHOUT ANY OVERLOAD FACTORS APPLIED).
3. REFER TO DRAWING 'DA-A' FOR MISCELLANEOUS DAVIT ARM ATTACHMENT DETAILS.
4. END PLATE ARRANGEMENT AS SHOWN TYPICAL. SEE STEEL POLE FRAMING DRAWINGS AND ATTACHMENT 'A' FOR APPROPRIATE BEND ORIENTATION AND ALIGNMENT.
5. FOR TANGENT AND ALL INTERIOR ANGLE DAVIT ARMS, A DIMENSION OF SIX INCHES (6") IS SPECIFIED. FOR ALL EXTERIOR ANGLE DAVIT ARMS, ADJUST WORKING LADDER SPACING AWAY FROM END PLATE TO AVOID CONFLICT WITH END PLATE AND ANY END PLATE ATTACHMENTS.

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

10' DAVIT ARM – TANGENT/DEADEND DESIGN LOAD AND DETAILS

Booth & Associates, LLC
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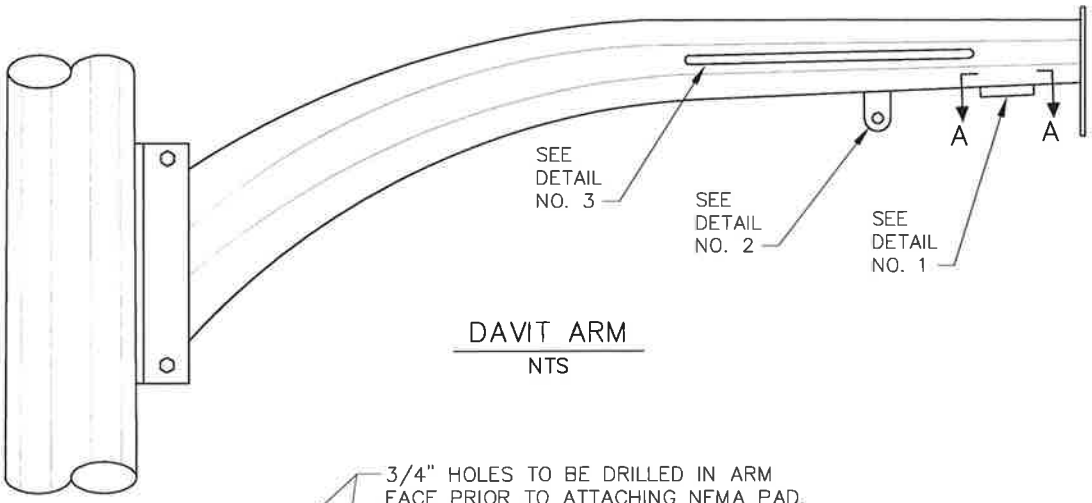
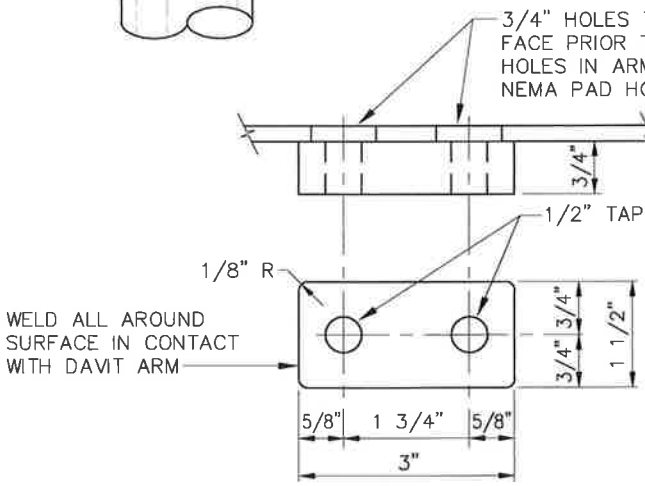
DSN.	AVS	DWN:	06/01/16
CKD.	BCF	APPD.	WPJ
SCALE:	NONE	DATE:	14-7798

DATE	REVISION

DWG. NO.
DA-1



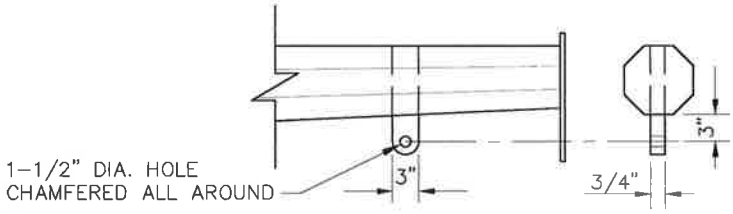
DAVIT ARM
NTS



SECTION A–A

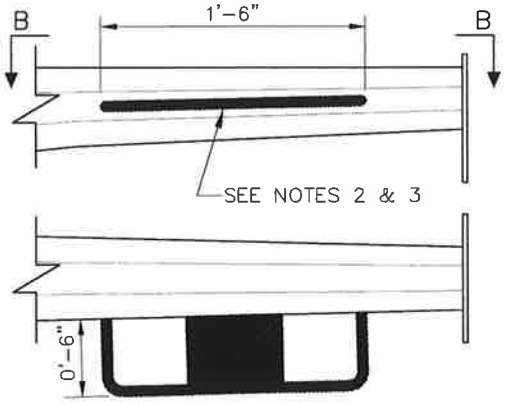
NEMA 2–HOLE GROUNDING PAD DETAIL
TYPICAL
NTS

DETAIL NO. 1



DAVIT ARM WORKING VANG
TYPICAL
NTS

DETAIL No. 2



SECTION B–B

WORKING LADDER MOUNT DETAIL
TYPICAL
NTS

DETAIL No. 3

NOTES:

1) WORKING THRU–VANG TO BE RATED EQUAL TO OR GREATER THAN THAT REQUIRED ON THE END PLATE CONNECTION.

2) REFER TO STEEL POLE SPECIFICATION FOR WORKING LOADS AND STRENGTH REQUIREMENTS.

3) WORKING LADDER MOUNT TO BE PERPENDICULAR TO CENTER OF POLE.

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

115 kV TRANSMISSION LINE
DAVIT ARM
MISCELLANEOUS ATTACHMENT DETAILS

Booth & Associates, LLC
3811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DSN.	AVS	DWN.	14–7798
CKD.	BCF	APPD.	WPJ
SCALE:	NONE	DATE:	06/02/2016

DATE	REVISION

DWG. NO.
DA–A

ATTACHMENT B

DESIGN LOADS
(Loading Diagrams)

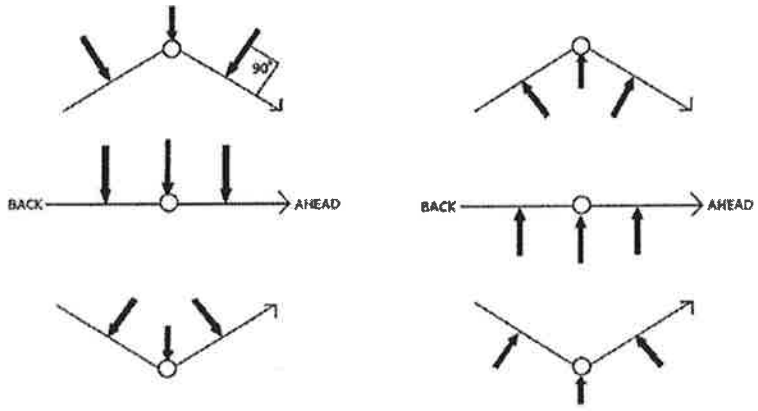
Load Tree Table

July 27, 2016

Load Tree No.	Str. No.	Pole Length (ft)	Dim. "A" (ft)	Embedment Depth (ft)	Line Angle "θ_1"	Line Angle "θ_2"
LT-1	1	85.0	85.0	*	N/A	N/A
LT-2	2A	90.0	60.0	30.0	0°52'37" RT	N/A
LT-2	3A	85.0	55.0	30.0	0°12'38" RT	N/A
LT-3	4A	90.0	90.0	*	41°17'23" LT	41°17'23" LT
LT-4	14	80.0	80.0	*	17°24'33" RT	17°24'33" RT
LT-5	33	95.0	95.0	*	31°41'30" RT	31°41'30" RT
LT-6	56	120.0	85.0	35.0	6°23'37" LT	6°23'37" LT
LT-6	57	130.0	95.0	35.0	12°26'37" LT	12°26'37" LT
LT-6	58	115.0	85.0	30.0	6°05'45" LT	6°05'45" LT
LT-6	65	120.0	85.0	35.0	5°41'16" LT	5°41'16" LT
LT-6	66	120.0	85.0	35.0	8°02'07" LT	8°02'07" LT
LT-6	67	120.0	85.0	35.0	6°51'01" LT	6°51'01" LT
LT-7	87	85.0	85.0	*	27°46'48" LT	27°46'48" LT
LT-8	89	85.0	85.0	*	59°20'57" LT	59°20'57" LT
LT-9	90	110.0	85.0	25.0	19°28'47" LT	19°28'47" LT
LT-10	92	75.0	75.0	*	85°57'17" LT	1°30'55" RT

* Surface Mounted

Wind Direction



NORMAL ALL + (NA+)

NORMAL ALL - (NA-)

There are two (2) wind situations applicaple to the load cases shown in the table above, NA+ and NA-. The arrows in the diagram above represent the wind direction, and the loads in the table above represent the psf load applied to the structure and spans. The wind blows perpendicular to each span individually, and on the structure at the angle bisector.

Str. 1

LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	Sw L In	314	70	-2764	0	0	0	314	70	-2764
7	1	NESC MEDIUM NA+ (250B)	2	1	Sw L Out	270	1596	88	0	0	0	270	1596	88
7	1	NESC MEDIUM NA+ (250B)	3	1	AL in	628	364	10688	0	0	0	628	364	10688
7	1	NESC MEDIUM NA+ (250B)	3	2	BL in	599	367	10688	0	0	0	599	367	10688
7	1	NESC MEDIUM NA+ (250B)	3	3	CL in	570	371	10688	0	0	0	570	371	10688
7	1	NESC MEDIUM NA+ (250B)	4	1	AR In	859	147	-4853	0	0	0	859	147	-4853
7	1	NESC MEDIUM NA+ (250B)	4	2	BR in	838	147	-4853	0	0	0	838	147	-4853
7	1	NESC MEDIUM NA+ (250B)	4	3	CR in	817	147	-4854	0	0	0	817	147	-4854
7	1	NESC MEDIUM NA+ (250B)	11	1	Sw R In	142	3	2794	0	0	0	142	3	2794
7	1	NESC MEDIUM NA+ (250B)	12	1	Sw R Out	271	1512	521	0	0	0	271	1512	521
7	1	NESC MEDIUM NA+ (250B)	13	1	Sw	268	1571	307	0	0	0	268	1571	307
7	1	NESC MEDIUM NA+ (250B)	21	1	D1	699	123	-4872	0	0	0	699	123	-4872
7	1	NESC MEDIUM NA+ (250B)	21	2	D2	708	39	-4873	0	0	0	708	39	-4873
7	1	NESC MEDIUM NA+ (250B)	21	3	D3	699	-43	-4873	0	0	0	699	-43	-4873
7	1	NESC MEDIUM NA+ (250B)	25	1	N1	374	31	-2422	0	0	0	374	31	-2422
7	1	NESC MEDIUM NA+ (250B)	31	1	D11	276	-48	4101	0	0	0	276	-48	4101
7	1	NESC MEDIUM NA+ (250B)	31	2	D22	274	-12	4101	0	0	0	274	-12	4101
7	1	NESC MEDIUM NA+ (250B)	31	3	D33	277	-48	4101	0	0	0	277	-48	4101
7	1	NESC MEDIUM NA+ (250B)	33	1	AL out	970	3918	860	0	0	0	970	3918	860
7	1	NESC MEDIUM NA+ (250B)	33	2	BL out	829	3965	634	0	0	0	829	3965	634
7	1	NESC MEDIUM NA+ (250B)	33	3	CL out	689	3872	1071	0	0	0	689	3872	1071
7	1	NESC MEDIUM NA+ (250B)	35	1	N11	166	-51	2460	0	0	0	166	-51	2460
7	1	NESC MEDIUM NA+ (250B)	41	1	CATV1	262	31	-1614	0	0	0	262	31	-1614
7	1	NESC MEDIUM NA+ (250B)	42	1	TELE1	262	31	-1617	0	0	0	262	31	-1617
7	1	NESC MEDIUM NA+ (250B)	43	1	ADSS1	281	34	-1819	0	0	0	281	34	-1819
7	1	NESC MEDIUM NA+ (250B)	44	1	AR Out	964	3966	621	0	0	0	964	3966	621
7	1	NESC MEDIUM NA+ (250B)	44	2	BR out	825	3997	403	0	0	0	825	3997	403
7	1	NESC MEDIUM NA+ (250B)	44	3	CR out	688	3930	845	0	0	0	688	3930	845
7	1	NESC MEDIUM NA+ (250B)	53	1	ADSS11	139	-98	1745	0	0	0	139	-98	1745
8	1	NESC MEDIUM NA- (250B)	1	1	Sw L In	314	-70	-2764	0	0	0	314	-70	-2764
8	1	NESC MEDIUM NA- (250B)	2	1	Sw L Out	270	1595	-68	0	0	0	270	1595	-68
8	1	NESC MEDIUM NA- (250B)	3	1	AL in	628	815	10663	0	0	0	628	815	10663
8	1	NESC MEDIUM NA- (250B)	3	2	BL in	599	818	10662	0	0	0	599	818	10662
8	1	NESC MEDIUM NA- (250B)	3	3	CL in	570	821	10662	0	0	0	570	821	10662
8	1	NESC MEDIUM NA- (250B)	4	1	AR In	859	-148	-4853	0	0	0	859	-148	-4853
8	1	NESC MEDIUM NA- (250B)	4	2	BR in	838	-147	-4853	0	0	0	838	-147	-4853
8	1	NESC MEDIUM NA- (250B)	4	3	CR in	817	-147	-4854	0	0	0	817	-147	-4854
8	1	NESC MEDIUM NA- (250B)	11	1	Sw R In	142	222	2785	0	0	0	142	222	2785
8	1	NESC MEDIUM NA- (250B)	12	1	Sw R Out	271	1554	372	0	0	0	271	1554	372
8	1	NESC MEDIUM NA- (250B)	13	1	Sw	268	1591	154	0	0	0	268	1591	154
8	1	NESC MEDIUM NA- (250B)	21	1	D1	699	43	-4873	0	0	0	699	43	-4873
8	1	NESC MEDIUM NA- (250B)	21	2	D2	708	-39	-4873	0	0	0	708	-39	-4873
8	1	NESC MEDIUM NA- (250B)	21	3	D3	699	-123	-4872	0	0	0	699	-123	-4872
8	1	NESC MEDIUM NA- (250B)	25	1	N1	374	-31	-2422	0	0	0	374	-31	-2422
8	1	NESC MEDIUM NA- (250B)	31	1	D11	276	354	4086	0	0	0	276	354	4086
8	1	NESC MEDIUM NA- (250B)	31	2	D22	274	386	4083	0	0	0	274	386	4083
8	1	NESC MEDIUM NA- (250B)	31	3	D33	277	354	4086	0	0	0	277	354	4086
8	1	NESC MEDIUM NA- (250B)	33	1	AL out	970	3965	537	0	0	0	970	3965	537
8	1	NESC MEDIUM NA- (250B)	33	2	BL out	829	3993	310	0	0	0	829	3993	310
8	1	NESC MEDIUM NA- (250B)	33	3	CL out	689	3936	755	0	0	0	689	3936	755
8	1	NESC MEDIUM NA- (250B)	35	1	N11	166	258	2446	0	0	0	166	258	2446
8	1	NESC MEDIUM NA- (250B)	41	1	CATV1	262	-31	-1614	0	0	0	262	-31	-1614
8	1	NESC MEDIUM NA- (250B)	42	1	TELE1	262	-31	-1617	0	0	0	262	-31	-1617
8	1	NESC MEDIUM NA- (250B)	43	1	ADSS1	281	-34	-1819	0	0	0	281	-34	-1819
8	1	NESC MEDIUM NA- (250B)	44	1	AR Out	964	3993	290	0	0	0	964	3993	290
8	1	NESC MEDIUM NA- (250B)	44	2	BR out	825	4007	73	0	0	0	825	4007	73
8	1	NESC MEDIUM NA- (250B)	44	3	CR out	688	3976	522	0	0	0	688	3976	522
8	1	NESC MEDIUM NA- (250B)	53	1	ADSS11	139	245	1731	0	0	0	139	245	1731
9	4	NCURRENT ICE/WIND NA+ (25	1	1	Sw L In	468	38	-2346	0	0	0	468	38	-2346

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9	4	NCURRENT ICE/WIND NA+ (25	2	1	Sw L Out	484	1692	54	0	0	0	484	1692	54
9	4	NCURRENT ICE/WIND NA+ (25	3	1	AL in	755	378	8468	0	0	0	755	378	8468
9	4	NCURRENT ICE/WIND NA+ (25	3	2	BL in	728	380	8468	0	0	0	728	380	8468
9	4	NCURRENT ICE/WIND NA+ (25	3	3	CL in	700	383	8468	0	0	0	700	383	8468
9	4	NCURRENT ICE/WIND NA+ (25	4	1	AR In	1026	57	-4532	0	0	0	1026	57	-4532
9	4	NCURRENT ICE/WIND NA+ (25	4	2	BR in	1002	57	-4532	0	0	0	1002	57	-4532
9	4	NCURRENT ICE/WIND NA+ (25	4	3	CR in	978	57	-4533	0	0	0	978	57	-4533
9	4	NCURRENT ICE/WIND NA+ (25	11	1	Sw R In	280	43	2578	0	0	0	280	43	2578
9	4	NCURRENT ICE/WIND NA+ (25	12	1	Sw R Out	485	1611	514	0	0	0	485	1611	514
9	4	NCURRENT ICE/WIND NA+ (25	13	1	Sw	479	1664	286	0	0	0	479	1664	286
9	4	NCURRENT ICE/WIND NA+ (25	21	1	D1	667	76	-3474	0	0	0	667	76	-3474
9	4	NCURRENT ICE/WIND NA+ (25	21	2	D2	675	16	-3475	0	0	0	675	16	-3475
9	4	NCURRENT ICE/WIND NA+ (25	21	3	D3	667	-43	-3475	0	0	0	667	-43	-3475
9	4	NCURRENT ICE/WIND NA+ (25	25	1	N1	418	14	-1847	0	0	0	418	14	-1847
9	4	NCURRENT ICE/WIND NA+ (25	31	1	D11	421	68	4069	0	0	0	421	68	4069
9	4	NCURRENT ICE/WIND NA+ (25	31	2	D22	417	102	4069	0	0	0	417	102	4069
9	4	NCURRENT ICE/WIND NA+ (25	31	3	D33	422	67	4069	0	0	0	422	67	4069
9	4	NCURRENT ICE/WIND NA+ (25	33	1	AL out	1207	3895	756	0	0	0	1207	3895	756
9	4	NCURRENT ICE/WIND NA+ (25	33	2	BL out	1037	3933	531	0	0	0	1037	3933	531
9	4	NCURRENT ICE/WIND NA+ (25	33	3	CL out	866	3850	966	0	0	0	866	3850	966
9	4	NCURRENT ICE/WIND NA+ (25	35	1	N11	306	37	2606	0	0	0	306	37	2606
9	4	NCURRENT ICE/WIND NA+ (25	41	1	CATV1	333	14	-1406	0	0	0	333	14	-1406
9	4	NCURRENT ICE/WIND NA+ (25	42	1	TELE1	333	14	-1406	0	0	0	333	14	-1406
9	4	NCURRENT ICE/WIND NA+ (25	43	1	ADSS1	435	15	-1939	0	0	0	435	15	-1939
9	4	NCURRENT ICE/WIND NA+ (25	44	1	AR Out	1202	3939	517	0	0	0	1202	3939	517
9	4	NCURRENT ICE/WIND NA+ (25	44	2	BR out	1032	3962	301	0	0	0	1032	3962	301
9	4	NCURRENT ICE/WIND NA+ (25	44	3	CR out	865	3905	740	0	0	0	865	3905	740
9	4	NCURRENT ICE/WIND NA+ (25	53	1	ADSS11	301	16	2202	0	0	0	301	16	2202
10	4	NCURRENT ICE/WIND NA- (25	1	1	Sw L In	468	-38	-2346	0	0	0	468	-38	-2346
10	4	NCURRENT ICE/WIND NA- (25	2	1	Sw L Out	484	1692	-33	0	0	0	484	1692	-33
10	4	NCURRENT ICE/WIND NA- (25	3	1	AL in	755	557	8458	0	0	0	755	557	8458
10	4	NCURRENT ICE/WIND NA- (25	3	2	BL in	728	560	8458	0	0	0	728	560	8458
10	4	NCURRENT ICE/WIND NA- (25	3	3	CL in	700	562	8457	0	0	0	700	562	8457
10	4	NCURRENT ICE/WIND NA- (25	4	1	AR In	1026	-58	-4532	0	0	0	1026	-58	-4532
10	4	NCURRENT ICE/WIND NA- (25	4	2	BR in	1002	-58	-4532	0	0	0	1002	-58	-4532
10	4	NCURRENT ICE/WIND NA- (25	4	3	CR in	978	-57	-4533	0	0	0	978	-57	-4533
10	4	NCURRENT ICE/WIND NA- (25	11	1	Sw R In	280	165	2573	0	0	0	280	165	2573
10	4	NCURRENT ICE/WIND NA- (25	12	1	Sw R Out	485	1635	431	0	0	0	485	1635	431
10	4	NCURRENT ICE/WIND NA- (25	13	1	Sw	479	1676	201	0	0	0	479	1676	201
10	4	NCURRENT ICE/WIND NA- (25	21	1	D1	667	43	-3475	0	0	0	667	43	-3475
10	4	NCURRENT ICE/WIND NA- (25	21	2	D2	675	-16	-3475	0	0	0	675	-16	-3475
10	4	NCURRENT ICE/WIND NA- (25	21	3	D3	667	-76	-3474	0	0	0	667	-76	-3474
10	4	NCURRENT ICE/WIND NA- (25	25	1	N1	418	-14	-1847	0	0	0	418	-14	-1847
10	4	NCURRENT ICE/WIND NA- (25	31	1	D11	421	237	4063	0	0	0	421	237	4063
10	4	NCURRENT ICE/WIND NA- (25	31	2	D22	417	270	4061	0	0	0	417	270	4061
10	4	NCURRENT ICE/WIND NA- (25	31	3	D33	422	237	4063	0	0	0	422	237	4063
10	4	NCURRENT ICE/WIND NA- (25	33	1	AL out	1207	3915	628	0	0	0	1207	3915	628
10	4	NCURRENT ICE/WIND NA- (25	33	2	BL out	1037	3946	404	0	0	0	1037	3946	404
10	4	NCURRENT ICE/WIND NA- (25	33	3	CL out	866	3877	841	0	0	0	866	3877	841
10	4	NCURRENT ICE/WIND NA- (25	35	1	N11	306	182	2600	0	0	0	306	182	2600
10	4	NCURRENT ICE/WIND NA- (25	41	1	CATV1	333	-14	-1406	0	0	0	333	-14	-1406
10	4	NCURRENT ICE/WIND NA- (25	42	1	TELE1	333	-14	-1406	0	0	0	333	-14	-1406
10	4	NCURRENT ICE/WIND NA- (25	43	1	ADSS1	435	-15	-1939	0	0	0	435	-15	-1939
10	4	NCURRENT ICE/WIND NA- (25	44	1	AR Out	1202	3952	386	0	0	0	1202	3952	386
10	4	NCURRENT ICE/WIND NA- (25	44	2	BR out	1032	3968	170	0	0	0	1032	3968	170
10	4	NCURRENT ICE/WIND NA- (25	44	3	CR out	865	3924	613	0	0	0	865	3924	613
10	4	NCURRENT ICE/WIND NA- (25	53	1	ADSS11	301	170	2196	0	0	0	301	170	2196
11	3	EXTREME WIND NA+ (250C)	1	1	Sw L In	263	95	-1678	0	0	0	263	95	-1678
11	3	EXTREME WIND NA+ (250C)	2	1	Sw L Out	246	1118	108	0	0	0	246	1118	108
11	3	EXTREME WIND NA+ (250C)	3	1	AL in	392	-118	6947	0	0	0	392	-118	6947
11	3	EXTREME WIND NA+ (250C)	3	2	BL in	369	-105	6947	0	0	0	369	-105	6947
11	3	EXTREME WIND NA+ (250C)	3	3	CL in	347	-92	6947	0	0	0	347	-92	6947
11	3	EXTREME WIND NA+ (250C)	4	1	AR In	708	347	-3757	0	0	0	708	347	-3757

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11	3	EXTREME WIND NA+ (250C)	4	2	BR in	689	340	-3759	0	0	0	689	340	-3759
11	3	EXTREME WIND NA+ (250C)	4	3	CR in	670	331	-3762	0	0	0	670	331	-3762
11	3	EXTREME WIND NA+ (250C)	11	1	Sw R In	85	-64	1840	0	0	0	85	-64	1840
11	3	EXTREME WIND NA+ (250C)	12	1	Sw R Out	248	1046	408	0	0	0	248	1046	408
11	3	EXTREME WIND NA+ (250C)	13	1	Sw	244	1090	259	0	0	0	244	1090	259
11	3	EXTREME WIND NA+ (250C)	21	1	D1	343	120	-1862	0	0	0	343	120	-1862
11	3	EXTREME WIND NA+ (250C)	21	2	D2	347	87	-1863	0	0	0	347	87	-1863
11	3	EXTREME WIND NA+ (250C)	21	3	D3	343	56	-1865	0	0	0	343	56	-1865
11	3	EXTREME WIND NA+ (250C)	25	1	N1	221	59	-1052	0	0	0	221	59	-1052
11	3	EXTREME WIND NA+ (250C)	31	1	D11	131	-256	3464	0	0	0	131	-256	3464
11	3	EXTREME WIND NA+ (250C)	31	2	D22	130	-224	3466	0	0	0	130	-224	3466
11	3	EXTREME WIND NA+ (250C)	31	3	D33	132	-257	3465	0	0	0	132	-257	3465
11	3	EXTREME WIND NA+ (250C)	33	1	AL out	870	3353	965	0	0	0	870	3353	965
11	3	EXTREME WIND NA+ (250C)	33	2	BL out	727	3426	768	0	0	0	727	3426	768
11	3	EXTREME WIND NA+ (250C)	33	3	CL out	580	3338	1141	0	0	0	580	3338	1141
11	3	EXTREME WIND NA+ (250C)	35	1	N11	72	-159	2072	0	0	0	72	-159	2072
11	3	EXTREME WIND NA+ (250C)	41	1	CATV1	182	58	-849	0	0	0	182	58	-849
11	3	EXTREME WIND NA+ (250C)	42	1	TELE1	182	58	-849	0	0	0	182	58	-849
11	3	EXTREME WIND NA+ (250C)	43	1	ADSS1	188	68	-905	0	0	0	188	68	-905
11	3	EXTREME WIND NA+ (250C)	44	1	AR Out	865	3421	765	0	0	0	865	3421	765
11	3	EXTREME WIND NA+ (250C)	44	2	BR out	722	3481	573	0	0	0	722	3481	573
11	3	EXTREME WIND NA+ (250C)	44	3	CR out	579	3414	951	0	0	0	579	3414	951
11	3	EXTREME WIND NA+ (250C)	53	1	ADSS11	46	-209	1977	0	0	0	46	-209	1977
12	3	EXTREME WIND NA- (250C)	1	1	Sw L In	263	-95	-1678	0	0	0	263	-95	-1678
12	3	EXTREME WIND NA- (250C)	2	1	Sw L Out	246	1111	-94	0	0	0	246	1111	-94
12	3	EXTREME WIND NA- (250C)	3	1	AL in	392	882	6889	0	0	0	392	882	6889
12	3	EXTREME WIND NA- (250C)	3	2	BL in	369	874	6890	0	0	0	369	874	6890
12	3	EXTREME WIND NA- (250C)	3	3	CL in	347	865	6891	0	0	0	347	865	6891
12	3	EXTREME WIND NA- (250C)	4	1	AR In	708	-348	-3757	0	0	0	708	-348	-3757
12	3	EXTREME WIND NA- (250C)	4	2	BR in	689	-340	-3759	0	0	0	689	-340	-3759
12	3	EXTREME WIND NA- (250C)	4	3	CR in	670	-331	-3762	0	0	0	670	-331	-3762
12	3	EXTREME WIND NA- (250C)	11	1	Sw R In	85	212	1829	0	0	0	85	212	1829
12	3	EXTREME WIND NA- (250C)	12	1	Sw R Out	248	1093	215	0	0	0	248	1093	215
12	3	EXTREME WIND NA- (250C)	13	1	Sw	244	1111	62	0	0	0	244	1111	62
12	3	EXTREME WIND NA- (250C)	21	1	D1	343	-56	-1865	0	0	0	343	-56	-1865
12	3	EXTREME WIND NA- (250C)	21	2	D2	347	-87	-1863	0	0	0	347	-87	-1863
12	3	EXTREME WIND NA- (250C)	21	3	D3	343	-120	-1862	0	0	0	343	-120	-1862
12	3	EXTREME WIND NA- (250C)	25	1	N1	221	-59	-1052	0	0	0	221	-59	-1052
12	3	EXTREME WIND NA- (250C)	31	1	D11	131	514	3435	0	0	0	131	514	3435
12	3	EXTREME WIND NA- (250C)	31	2	D22	130	540	3431	0	0	0	130	540	3431
12	3	EXTREME WIND NA- (250C)	31	3	D33	132	515	3435	0	0	0	132	515	3435
12	3	EXTREME WIND NA- (250C)	33	1	AL out	870	3441	239	0	0	0	870	3441	239
12	3	EXTREME WIND NA- (250C)	33	2	BL out	727	3471	51	0	0	0	727	3471	51
12	3	EXTREME WIND NA- (250C)	33	3	CL out	580	3460	449	0	0	0	580	3460	449
12	3	EXTREME WIND NA- (250C)	35	1	N11	72	332	2051	0	0	0	72	332	2051
12	3	EXTREME WIND NA- (250C)	41	1	CATV1	182	-58	-849	0	0	0	182	-58	-849
12	3	EXTREME WIND NA- (250C)	42	1	TELE1	182	-58	-849	0	0	0	182	-58	-849
12	3	EXTREME WIND NA- (250C)	43	1	ADSS1	188	-68	-905	0	0	0	188	-68	-905
12	3	EXTREME WIND NA- (250C)	44	1	AR Out	865	3466	23	0	0	0	865	3466	23
12	3	EXTREME WIND NA- (250C)	44	2	BR out	722	3484	-159	0	0	0	722	3484	-159
12	3	EXTREME WIND NA- (250C)	44	3	CR out	579	3496	244	0	0	0	579	3496	244
12	3	EXTREME WIND NA- (250C)	53	1	ADSS11	46	374	1952	0	0	0	46	374	1952
13	6	EXTREME ICE	1	1	Sw L In	406	0	-1995	0	0	0	406	0	-1995
13	6	EXTREME ICE	2	1	Sw L Out	423	1446	9	0	0	0	423	1446	9
13	6	EXTREME ICE	3	1	AL in	669	387	7016	0	0	0	669	387	7016
13	6	EXTREME ICE	3	2	BL in	646	390	7016	0	0	0	646	390	7016
13	6	EXTREME ICE	3	3	CL in	623	392	7016	0	0	0	623	392	7016
13	6	EXTREME ICE	4	1	AR In	874	0	-3731	0	0	0	874	0	-3731
13	6	EXTREME ICE	4	2	BR in	854	0	-3731	0	0	0	854	0	-3731
13	6	EXTREME ICE	4	3	CR in	834	0	-3731	0	0	0	834	0	-3731
13	6	EXTREME ICE	11	1	Sw R In	251	89	2207	0	0	0	251	89	2207
13	6	EXTREME ICE	12	1	Sw R Out	423	1387	404	0	0	0	423	1387	404
13	6	EXTREME ICE	13	1	Sw	417	1427	208	0	0	0	417	1427	208

13	6	EXTREME ICE	21	1	D1	490	42	-2466	0	0	0	490	42	-2466
13	6	EXTREME ICE	21	2	D2	495	0	-2466	0	0	0	495	0	-2466
13	6	EXTREME ICE	21	3	D3	490	-42	-2466	0	0	0	490	-42	-2466
13	6	EXTREME ICE	25	1	N1	319	0	-1362	0	0	0	319	0	-1362
13	6	EXTREME ICE	31	1	D11	383	129	3440	0	0	0	383	129	3440
13	6	EXTREME ICE	31	2	D22	380	157	3439	0	0	0	380	157	3439
13	6	EXTREME ICE	31	3	D33	384	129	3440	0	0	0	384	129	3440
13	6	EXTREME ICE	33	1	AL out	1045	3298	584	0	0	0	1045	3298	584
13	6	EXTREME ICE	33	2	BL out	900	3326	395	0	0	0	900	3326	395
13	6	EXTREME ICE	33	3	CL out	756	3262	763	0	0	0	756	3262	763
13	6	EXTREME ICE	35	1	N11	278	93	2217	0	0	0	278	93	2217
13	6	EXTREME ICE	41	1	CATV1	258	0	-1045	0	0	0	258	0	-1045
13	6	EXTREME ICE	42	1	TELE1	258	0	-1045	0	0	0	258	0	-1045
13	6	EXTREME ICE	43	1	ADSS1	263	0	-1079	0	0	0	263	0	-1079
13	6	EXTREME ICE	44	1	AR Out	1042	3339	382	0	0	0	1042	3339	382
13	6	EXTREME ICE	44	2	BR out	898	3355	199	0	0	0	898	3355	199
13	6	EXTREME ICE	44	3	CR out	757	3311	572	0	0	0	757	3311	572
13	6	EXTREME ICE	53	1	ADSS11	273	78	1845	0	0	0	273	78	1845
14	9	UPLIFT	1	1	Sw L In	236	0	-1504	0	0	0	236	0	-1504
14	9	UPLIFT	2	1	Sw L Out	109	424	3	0	0	0	109	424	3
14	9	UPLIFT	3	1	AL in	362	359	6501	0	0	0	362	359	6501
14	9	UPLIFT	3	2	BL in	340	361	6501	0	0	0	340	361	6501
14	9	UPLIFT	3	3	CL in	319	363	6501	0	0	0	319	363	6501
14	9	UPLIFT	4	1	AR In	485	0	-2369	0	0	0	485	0	-2369
14	9	UPLIFT	4	2	BR in	473	0	-2369	0	0	0	473	0	-2369
14	9	UPLIFT	4	3	CR in	460	0	-2369	0	0	0	460	0	-2369
14	9	UPLIFT	11	1	Sw R In	66	49	1216	0	0	0	66	49	1216
14	9	UPLIFT	12	1	Sw R Out	110	410	119	0	0	0	110	410	119
14	9	UPLIFT	13	1	Sw	109	426	62	0	0	0	109	426	62
14	9	UPLIFT	21	1	D1	633	62	-3612	0	0	0	633	62	-3612
14	9	UPLIFT	21	2	D2	642	0	-3613	0	0	0	642	0	-3613
14	9	UPLIFT	21	3	D3	633	-62	-3612	0	0	0	633	-62	-3612
14	9	UPLIFT	25	1	N1	357	0	-1763	0	0	0	357	0	-1763
14	9	UPLIFT	31	1	D11	122	60	1606	0	0	0	122	60	1606
14	9	UPLIFT	31	2	D22	121	73	1606	0	0	0	121	73	1606
14	9	UPLIFT	31	3	D33	122	60	1606	0	0	0	122	60	1606
14	9	UPLIFT	33	1	AL out	493	1668	295	0	0	0	493	1668	295
14	9	UPLIFT	33	2	BL out	420	1682	200	0	0	0	420	1682	200
14	9	UPLIFT	33	3	CL out	347	1649	386	0	0	0	347	1649	386
14	9	UPLIFT	35	1	N11	64	30	712	0	0	0	64	30	712
14	9	UPLIFT	41	1	CATV1	237	0	-1141	0	0	0	237	0	-1141
14	9	UPLIFT	42	1	TELE1	237	0	-1141	0	0	0	237	0	-1141
14	9	UPLIFT	43	1	ADSS1	595	0	-3015	0	0	0	595	0	-3015
14	9	UPLIFT	44	1	AR Out	488	1675	192	0	0	0	488	1675	192
14	9	UPLIFT	44	2	BR out	416	1683	100	0	0	0	416	1683	100
14	9	UPLIFT	44	3	CR out	345	1661	287	0	0	0	345	1661	287
14	9	UPLIFT	53	1	ADSS11	40	11	269	0	0	0	40	11	269
15	28	CAMBER	1	1	Sw L In	154	0	-922	0	0	0	154	0	-922
15	28	CAMBER	2	1	Sw L Out	88	318	2	0	0	0	88	318	2
15	28	CAMBER	3	1	AL in	286	194	3515	0	0	0	286	194	3515
15	28	CAMBER	3	2	BL in	274	195	3515	0	0	0	274	195	3515
15	28	CAMBER	3	3	CL in	262	196	3515	0	0	0	262	196	3515
15	28	CAMBER	4	1	AR In	343	0	-1432	0	0	0	343	0	-1432
15	28	CAMBER	4	2	BR in	335	0	-1432	0	0	0	335	0	-1432
15	28	CAMBER	4	3	CR in	328	0	-1432	0	0	0	328	0	-1432
15	28	CAMBER	11	1	Sw R In	55	31	770	0	0	0	55	31	770
15	28	CAMBER	12	1	Sw R Out	89	305	89	0	0	0	89	305	89
15	28	CAMBER	13	1	Sw	87	315	46	0	0	0	87	315	46
15	28	CAMBER	21	1	D1	165	14	-820	0	0	0	165	14	-820
15	28	CAMBER	21	2	D2	166	0	-820	0	0	0	166	0	-820
15	28	CAMBER	21	3	D3	165	-14	-820	0	0	0	165	-14	-820
15	28	CAMBER	25	1	N1	85	0	-356	0	0	0	85	0	-356
15	28	CAMBER	31	1	D11	122	43	1142	0	0	0	122	43	1142

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15	28	CAMBER	31	2	D22	121	52	1142	0	0	0	121	52	1142
15	28	CAMBER	31	3	D33	123	43	1142	0	0	0	123	43	1142
15	28	CAMBER	33	1	AL out	406	1253	222	0	0	0	406	1253	222
15	28	CAMBER	33	2	BL out	351	1263	150	0	0	0	351	1263	150
15	28	CAMBER	33	3	CL out	296	1239	290	0	0	0	296	1239	290
15	28	CAMBER	35	1	N11	64	22	534	0	0	0	64	22	534
15	28	CAMBER	41	1	CATV1	58	0	-220	0	0	0	58	0	-220
15	28	CAMBER	42	1	TELE1	58	0	-219	0	0	0	58	0	-219
15	28	CAMBER	43	1	ADSS1	30	0	-98	0	0	0	30	0	-98
15	28	CAMBER	44	1	AR Out	405	1268	145	0	0	0	405	1268	145
15	28	CAMBER	44	2	BR out	350	1274	76	0	0	0	350	1274	76
15	28	CAMBER	44	3	CR out	296	1257	217	0	0	0	296	1257	217
15	28	CAMBER	53	1	ADSS11	40	10	227	0	0	0	40	10	227
16	8	BLOWOUT DEFLECTION NA+	1	1	Sw L In	161	17	-974	0	0	0	161	17	-974
16	8	BLOWOUT DEFLECTION NA+	2	1	Sw L Out	103	396	22	0	0	0	103	396	22
16	8	BLOWOUT DEFLECTION NA+	3	1	AL in	292	112	3786	0	0	0	292	112	3786
16	8	BLOWOUT DEFLECTION NA+	3	2	BL in	280	113	3786	0	0	0	280	113	3786
16	8	BLOWOUT DEFLECTION NA+	3	3	CL in	268	114	3786	0	0	0	268	114	3786
16	8	BLOWOUT DEFLECTION NA+	4	1	AR In	369	65	-1606	0	0	0	369	65	-1606
16	8	BLOWOUT DEFLECTION NA+	4	2	BR in	361	65	-1606	0	0	0	361	65	-1606
16	8	BLOWOUT DEFLECTION NA+	4	3	CR in	352	64	-1607	0	0	0	352	64	-1607
16	8	BLOWOUT DEFLECTION NA+	11	1	Sw R In	57	9	875	0	0	0	57	9	875
16	8	BLOWOUT DEFLECTION NA+	12	1	Sw R Out	104	375	129	0	0	0	104	375	129
16	8	BLOWOUT DEFLECTION NA+	13	1	Sw	103	390	76	0	0	0	103	390	76
16	8	BLOWOUT DEFLECTION NA+	21	1	D1	180	32	-912	0	0	0	180	32	-912
16	8	BLOWOUT DEFLECTION NA+	21	2	D2	182	16	-913	0	0	0	182	16	-913
16	8	BLOWOUT DEFLECTION NA+	21	3	D3	180	1	-913	0	0	0	180	1	-913
16	8	BLOWOUT DEFLECTION NA+	25	1	N1	100	11	-436	0	0	0	100	11	-436
16	8	BLOWOUT DEFLECTION NA+	31	1	D11	122	-30	1364	0	0	0	122	-30	1364
16	8	BLOWOUT DEFLECTION NA+	31	2	D22	121	-18	1364	0	0	0	121	-18	1364
16	8	BLOWOUT DEFLECTION NA+	31	3	D33	122	-30	1364	0	0	0	122	-30	1364
16	8	BLOWOUT DEFLECTION NA+	33	1	AL out	438	1399	320	0	0	0	438	1399	320
16	8	BLOWOUT DEFLECTION NA+	33	2	BL out	377	1417	239	0	0	0	377	1417	239
16	8	BLOWOUT DEFLECTION NA+	33	3	CL out	316	1384	395	0	0	0	316	1384	395
16	8	BLOWOUT DEFLECTION NA+	35	1	N11	64	-23	717	0	0	0	64	-23	717
16	8	BLOWOUT DEFLECTION NA+	41	1	CATV1	72	11	-288	0	0	0	72	11	-288
16	8	BLOWOUT DEFLECTION NA+	42	1	TELE1	72	11	-288	0	0	0	72	11	-288
16	8	BLOWOUT DEFLECTION NA+	43	1	ADSS1	51	13	-205	0	0	0	51	13	-205
16	8	BLOWOUT DEFLECTION NA+	44	1	AR Out	437	1421	235	0	0	0	437	1421	235
16	8	BLOWOUT DEFLECTION NA+	44	2	BR out	376	1434	157	0	0	0	376	1434	157
16	8	BLOWOUT DEFLECTION NA+	44	3	CR out	316	1410	315	0	0	0	316	1410	315
16	8	BLOWOUT DEFLECTION NA+	53	1	ADSS11	40	-43	483	0	0	0	40	-43	483
17	8	BLOWOUT DEFLECTION NA-	1	1	Sw L In	161	-17	-974	0	0	0	161	-17	-974
17	8	BLOWOUT DEFLECTION NA-	2	1	Sw L Out	103	395	-17	0	0	0	103	395	-17
17	8	BLOWOUT DEFLECTION NA-	3	1	AL in	292	306	3775	0	0	0	292	306	3775
17	8	BLOWOUT DEFLECTION NA-	3	2	BL in	280	307	3775	0	0	0	280	307	3775
17	8	BLOWOUT DEFLECTION NA-	3	3	CL in	268	308	3775	0	0	0	268	308	3775
17	8	BLOWOUT DEFLECTION NA-	4	1	AR In	369	-65	-1606	0	0	0	369	-65	-1606
17	8	BLOWOUT DEFLECTION NA-	4	2	BR in	361	-65	-1606	0	0	0	361	-65	-1606
17	8	BLOWOUT DEFLECTION NA-	4	3	CR in	352	-65	-1607	0	0	0	352	-65	-1607
17	8	BLOWOUT DEFLECTION NA-	11	1	Sw R In	57	62	873	0	0	0	57	62	873
17	8	BLOWOUT DEFLECTION NA-	12	1	Sw R Out	104	385	92	0	0	0	104	385	92
17	8	BLOWOUT DEFLECTION NA-	13	1	Sw	103	394	39	0	0	0	103	394	39
17	8	BLOWOUT DEFLECTION NA-	21	1	D1	180	-1	-913	0	0	0	180	-1	-913
17	8	BLOWOUT DEFLECTION NA-	21	2	D2	182	-16	-913	0	0	0	182	-16	-913
17	8	BLOWOUT DEFLECTION NA-	21	3	D3	180	-32	-912	0	0	0	180	-32	-912
17	8	BLOWOUT DEFLECTION NA-	25	1	N1	100	-11	-436	0	0	0	100	-11	-436
17	8	BLOWOUT DEFLECTION NA-	31	1	D11	122	132	1358	0	0	0	122	132	1358
17	8	BLOWOUT DEFLECTION NA-	31	2	D22	121	142	1357	0	0	0	121	142	1357
17	8	BLOWOUT DEFLECTION NA-	31	3	D33	122	132	1358	0	0	0	122	132	1358
17	8	BLOWOUT DEFLECTION NA-	33	1	AL out	438	1418	179	0	0	0	438	1418	179
17	8	BLOWOUT DEFLECTION NA-	33	2	BL out	377	1428	99	0	0	0	377	1428	99
17	8	BLOWOUT DEFLECTION NA-	33	3	CL out	316	1410	258	0	0	0	316	1410	258

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17	8	BLOWOUT DEFLECTION NA-	35	1	N11	64	83	712	0	0	0	64	83	712
17	8	BLOWOUT DEFLECTION NA-	41	1	CATV1	72	-11	-288	0	0	0	72	-11	-288
17	8	BLOWOUT DEFLECTION NA-	42	1	TELE1	72	-11	-288	0	0	0	72	-11	-288
17	8	BLOWOUT DEFLECTION NA-	43	1	ADSS1	51	-13	-205	0	0	0	51	-13	-205
17	8	BLOWOUT DEFLECTION NA-	44	1	AR Out	437	1431	91	0	0	0	437	1431	91
17	8	BLOWOUT DEFLECTION NA-	44	2	BR out	376	1437	14	0	0	0	376	1437	14
17	8	BLOWOUT DEFLECTION NA-	44	3	CR out	316	1428	175	0	0	0	316	1428	175
17	8	BLOWOUT DEFLECTION NA-	53	1	ADSS11	40	83	478	0	0	0	40	83	478

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	SBK	-190	91	2764	-190	91	2764	0	0	0
7	1	NESC MEDIUM NA+ (250B)	3	1	C1BK	-347	184	4852	-347	184	4852	0	0	0
7	1	NESC MEDIUM NA+ (250B)	3	2	C2BK	-327	184	4852	-327	184	4852	0	0	0
7	1	NESC MEDIUM NA+ (250B)	3	3	C3BK	-307	183	4853	-307	183	4853	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	1	C1AH	223	101	-1629	0	0	0	223	101	-1629
7	1	NESC MEDIUM NA+ (250B)	5	2	C2AH	223	101	-1629	0	0	0	223	101	-1629
7	1	NESC MEDIUM NA+ (250B)	5	3	C3AH	223	101	-1629	0	0	0	223	101	-1629
8	1	NESC MEDIUM NA- (250B)	1	1	SBK	-190	-48	2765	-190	-48	2765	0	0	0
8	1	NESC MEDIUM NA- (250B)	3	1	C1BK	-347	-109	4854	-347	-109	4854	0	0	0
8	1	NESC MEDIUM NA- (250B)	3	2	C2BK	-327	-109	4854	-327	-109	4854	0	0	0
8	1	NESC MEDIUM NA- (250B)	3	3	C3BK	-307	-109	4855	-307	-109	4855	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	1	C1AH	223	-76	-1630	0	0	0	223	-76	-1630
8	1	NESC MEDIUM NA- (250B)	5	2	C2AH	223	-76	-1630	0	0	0	223	-76	-1630
8	1	NESC MEDIUM NA- (250B)	5	3	C3AH	223	-76	-1630	0	0	0	223	-76	-1630
9	4	)NCURRENT ICE/WIND NA+ (25(	1	1	SBK	-198	56	2346	-198	56	2346	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (25(	3	1	C1BK	-353	92	4532	-353	92	4532	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (25(	3	2	C2BK	-330	92	4532	-330	92	4532	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (25(	3	3	C3BK	-308	92	4532	-308	92	4532	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (25(	5	1	C1AH	287	47	-1696	0	0	0	287	47	-1696
9	4	)NCURRENT ICE/WIND NA+ (25(	5	2	C2AH	287	47	-1696	0	0	0	287	47	-1696
9	4	)NCURRENT ICE/WIND NA+ (25(	5	3	C3AH	286	47	-1696	0	0	0	286	47	-1696
10	4	)NCURRENT ICE/WIND NA- (250	1	1	SBK	-198	-20	2347	-198	-20	2347	0	0	0
10	4	)NCURRENT ICE/WIND NA- (250	3	1	C1BK	-353	-22	4533	-353	-22	4533	0	0	0
10	4	)NCURRENT ICE/WIND NA- (250	3	2	C2BK	-330	-22	4533	-330	-22	4533	0	0	0
10	4	)NCURRENT ICE/WIND NA- (250	3	3	C3BK	-308	-22	4533	-308	-22	4533	0	0	0
10	4	)NCURRENT ICE/WIND NA- (250	5	1	C1AH	287	-21	-1696	0	0	0	287	-21	-1696
10	4	)NCURRENT ICE/WIND NA- (250	5	2	C2AH	287	-21	-1696	0	0	0	287	-21	-1696
10	4	)NCURRENT ICE/WIND NA- (250	5	3	C3AH	286	-21	-1696	0	0	0	286	-21	-1696
11	3	EXTREME WIND NA+ (250C)	1	1	SBK	-212	107	1677	-212	107	1677	0	0	0
11	3	EXTREME WIND NA+ (250C)	3	1	C1BK	-433	373	3754	-433	373	3754	0	0	0
11	3	EXTREME WIND NA+ (250C)	3	2	C2BK	-414	366	3757	-414	366	3757	0	0	0
11	3	EXTREME WIND NA+ (250C)	3	3	C3BK	-396	357	3759	-396	357	3759	0	0	0
11	3	EXTREME WIND NA+ (250C)	5	1	C1AH	162	221	-1557	0	0	0	162	221	-1557
11	3	EXTREME WIND NA+ (250C)	5	2	C2AH	162	216	-1557	0	0	0	162	216	-1557
11	3	EXTREME WIND NA+ (250C)	5	3	C3AH	162	210	-1557	0	0	0	162	210	-1557
12	3	EXTREME WIND NA- (250C)	1	1	SBK	-212	-81	1678	-212	-81	1678	0	0	0
12	3	EXTREME WIND NA- (250C)	3	1	C1BK	-433	-316	3759	-433	-316	3759	0	0	0
12	3	EXTREME WIND NA- (250C)	3	2	C2BK	-414	-308	3762	-414	-308	3762	0	0	0
12	3	EXTREME WIND NA- (250C)	3	3	C3BK	-396	-299	3764	-396	-299	3764	0	0	0
12	3	EXTREME WIND NA- (250C)	5	1	C1AH	162	-197	-1560	0	0	0	162	-197	-1560
12	3	EXTREME WIND NA- (250C)	5	2	C2AH	162	-192	-1560	0	0	0	162	-192	-1560
12	3	EXTREME WIND NA- (250C)	5	3	C3AH	162	-186	-1560	0	0	0	162	-186	-1560
13	6	EXTREME ICE	1	1	SBK	-160	15	1995	-160	15	1995	0	0	0
13	6	EXTREME ICE	3	1	C1BK	-261	29	3731	-261	29	3731	0	0	0
13	6	EXTREME ICE	3	2	C2BK	-243	29	3731	-243	29	3731	0	0	0
13	6	EXTREME ICE	3	3	C3BK	-225	29	3731	-225	29	3731	0	0	0
13	6	EXTREME ICE	5	1	C1AH	256	11	-1452	0	0	0	256	11	-1452
13	6	EXTREME ICE	5	2	C2AH	256	11	-1452	0	0	0	256	11	-1452
13	6	EXTREME ICE	5	3	C3AH	256	11	-1452	0	0	0	256	11	-1452
14	9	UPLIFT	1	1	SBK	-190	12	1504	-190	12	1504	0	0	0
14	9	UPLIFT	3	1	C1BK	-235	18	2369	-235	18	2369	0	0	0
14	9	UPLIFT	3	2	C2BK	-223	18	2369	-223	18	2369	0	0	0
14	9	UPLIFT	3	3	C3BK	-211	18	2369	-211	18	2369	0	0	0
14	9	UPLIFT	5	1	C1AH	110	5	-635	0	0	0	110	5	-635
14	9	UPLIFT	5	2	C2AH	110	5	-635	0	0	0	110	5	-635
14	9	UPLIFT	5	3	C3AH	109	5	-635	0	0	0	109	5	-635
15	28	CAMBER	1	1	SBK	-108	7	922	-108	7	922	0	0	0
15	28	CAMBER	3	1	C1BK	-93	11	1432	-93	11	1432	0	0	0
15	28	CAMBER	3	2	C2BK	-86	11	1432	-86	11	1432	0	0	0

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15	28	CAMBER	3	3	C3BK	-79	11	1432	-79	11	1432	0	0	0
15	28	CAMBER	5	1	C1AH	105	4	-534	0	0	0	105	4	-534
15	28	CAMBER	5	2	C2AH	105	4	-534	0	0	0	105	4	-534
15	28	CAMBER	5	3	C3AH	105	4	-534	0	0	0	105	4	-534
16	8	BLOWOUT DEFLECTION NA+	1	1	SBK	-115	25	974	-115	25	974	0	0	0
16	8	BLOWOUT DEFLECTION NA+	3	1	C1BK	-119	77	1606	-119	77	1606	0	0	0
16	8	BLOWOUT DEFLECTION NA+	3	2	C2BK	-111	77	1606	-111	77	1606	0	0	0
16	8	BLOWOUT DEFLECTION NA+	3	3	C3BK	-103	76	1606	-103	76	1606	0	0	0
16	8	BLOWOUT DEFLECTION NA+	5	1	C1AH	108	44	-606	0	0	0	108	44	-606
16	8	BLOWOUT DEFLECTION NA+	5	2	C2AH	108	44	-606	0	0	0	108	44	-606
16	8	BLOWOUT DEFLECTION NA+	5	3	C3AH	108	44	-606	0	0	0	108	44	-606
17	8	BLOWOUT DEFLECTION NA-	1	1	SBK	-115	-10	975	-115	-10	975	0	0	0
17	8	BLOWOUT DEFLECTION NA-	3	1	C1BK	-119	-52	1607	-119	-52	1607	0	0	0
17	8	BLOWOUT DEFLECTION NA-	3	2	C2BK	-111	-52	1607	-111	-52	1607	0	0	0
17	8	BLOWOUT DEFLECTION NA-	3	3	C3BK	-103	-52	1607	-103	-52	1607	0	0	0
17	8	BLOWOUT DEFLECTION NA-	5	1	C1AH	108	-35	-607	0	0	0	108	-35	-607
17	8	BLOWOUT DEFLECTION NA-	5	2	C2AH	108	-35	-607	0	0	0	108	-35	-607
17	8	BLOWOUT DEFLECTION NA-	5	3	C3AH	108	-35	-607	0	0	0	108	-35	-607

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	3	1	C1BK	93	92	1629	93	92	1629	0	0	0
7	1	NESC MEDIUM NA+ (250B)	3	2	C2BK	93	91	1629	93	91	1629	0	0	0
7	1	NESC MEDIUM NA+ (250B)	3	3	C3BK	92	91	1629	92	91	1629	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	1	C1AH	-258	198	-4838	0	0	0	-258	198	-4838
7	1	NESC MEDIUM NA+ (250B)	5	2	C2AH	-258	199	-4838	0	0	0	-258	199	-4838
7	1	NESC MEDIUM NA+ (250B)	5	3	C3AH	-259	199	-4838	0	0	0	-259	199	-4838
7	1	NESC MEDIUM NA+ (250B)	11	1	SAH	-183	93	-2755	0	0	0	-183	93	-2755
8	1	NESC MEDIUM NA- (250B)	3	1	C1BK	93	-86	1630	93	-86	1630	0	0	0
8	1	NESC MEDIUM NA- (250B)	3	2	C2BK	93	-86	1630	93	-86	1630	0	0	0
8	1	NESC MEDIUM NA- (250B)	3	3	C3BK	92	-85	1630	92	-85	1630	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	1	C1AH	-258	-169	-4839	0	0	0	-258	-169	-4839
8	1	NESC MEDIUM NA- (250B)	5	2	C2AH	-258	-168	-4839	0	0	0	-258	-168	-4839
8	1	NESC MEDIUM NA- (250B)	5	3	C3AH	-259	-168	-4839	0	0	0	-259	-168	-4839
8	1	NESC MEDIUM NA- (250B)	11	1	SAH	-183	-77	-2756	0	0	0	-183	-77	-2756
9	4	NCURRENT ICE/WIND NA+ (25	3	1	C1BK	121	37	1696	121	37	1696	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	3	2	C2BK	121	37	1696	121	37	1696	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	3	3	C3BK	120	37	1696	120	37	1696	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	5	1	C1AH	-261	86	-4680	0	0	0	-261	86	-4680
9	4	NCURRENT ICE/WIND NA+ (25	5	2	C2AH	-262	86	-4680	0	0	0	-262	86	-4680
9	4	NCURRENT ICE/WIND NA+ (25	5	3	C3AH	-262	87	-4680	0	0	0	-262	87	-4680
9	4	NCURRENT ICE/WIND NA+ (25	11	1	SAH	-193	54	-2459	0	0	0	-193	54	-2459
10	4	NCURRENT ICE/WIND NA- (25	3	1	C1BK	121	-31	1696	121	-31	1696	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	3	2	C2BK	121	-31	1696	121	-31	1696	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	3	3	C3BK	120	-31	1696	120	-31	1696	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	5	1	C1AH	-261	-58	-4681	0	0	0	-261	-58	-4681
10	4	NCURRENT ICE/WIND NA- (25	5	2	C2AH	-262	-57	-4681	0	0	0	-262	-57	-4681
10	4	NCURRENT ICE/WIND NA- (25	5	3	C3AH	-262	-56	-4681	0	0	0	-262	-56	-4681
10	4	NCURRENT ICE/WIND NA- (25	11	1	SAH	-193	-40	-2459	0	0	0	-193	-40	-2459
11	3	EXTREME WIND NA+ (250C)	3	1	C1BK	11	211	1558	11	211	1558	0	0	0
11	3	EXTREME WIND NA+ (250C)	3	2	C2BK	10	206	1558	10	206	1558	0	0	0
11	3	EXTREME WIND NA+ (250C)	3	3	C3BK	10	200	1558	10	200	1558	0	0	0
11	3	EXTREME WIND NA+ (250C)	5	1	C1AH	-418	433	-4040	0	0	0	-418	433	-4040
11	3	EXTREME WIND NA+ (250C)	5	2	C2AH	-418	425	-4041	0	0	0	-418	425	-4041
11	3	EXTREME WIND NA+ (250C)	5	3	C3AH	-419	416	-4041	0	0	0	-419	416	-4041
11	3	EXTREME WIND NA+ (250C)	11	1	SAH	-222	118	-1738	0	0	0	-222	118	-1738
12	3	EXTREME WIND NA- (250C)	3	1	C1BK	11	-206	1559	11	-206	1559	0	0	0
12	3	EXTREME WIND NA- (250C)	3	2	C2BK	10	-200	1559	10	-200	1559	0	0	0
12	3	EXTREME WIND NA- (250C)	3	3	C3BK	10	-194	1559	10	-194	1559	0	0	0
12	3	EXTREME WIND NA- (250C)	5	1	C1AH	-418	-409	-4043	0	0	0	-418	-409	-4043
12	3	EXTREME WIND NA- (250C)	5	2	C2AH	-418	-400	-4043	0	0	0	-418	-400	-4043
12	3	EXTREME WIND NA- (250C)	5	3	C3AH	-419	-390	-4043	0	0	0	-419	-390	-4043
12	3	EXTREME WIND NA- (250C)	11	1	SAH	-222	-107	-1739	0	0	0	-222	-107	-1739
13	6	EXTREME ICE	3	1	C1BK	114	3	1452	114	3	1452	0	0	0
13	6	EXTREME ICE	3	2	C2BK	114	3	1452	114	3	1452	0	0	0
13	6	EXTREME ICE	3	3	C3BK	113	3	1452	113	3	1452	0	0	0
13	6	EXTREME ICE	5	1	C1AH	-191	12	-3939	0	0	0	-191	12	-3939
13	6	EXTREME ICE	5	2	C2AH	-192	12	-3939	0	0	0	-192	12	-3939
13	6	EXTREME ICE	5	3	C3AH	-193	13	-3939	0	0	0	-193	13	-3939
13	6	EXTREME ICE	11	1	SAH	-156	6	-2102	0	0	0	-156	6	-2102
14	9	UPLIFT	3	1	C1BK	48	1	635	48	1	635	0	0	0
14	9	UPLIFT	3	2	C2BK	47	1	635	47	1	635	0	0	0
14	9	UPLIFT	3	3	C3BK	47	1	635	47	1	635	0	0	0
14	9	UPLIFT	5	1	C1AH	-155	6	-2127	0	0	0	-155	6	-2127
14	9	UPLIFT	5	2	C2AH	-155	7	-2127	0	0	0	-155	7	-2127
14	9	UPLIFT	5	3	C3AH	-156	7	-2127	0	0	0	-156	7	-2127
14	9	UPLIFT	11	1	SAH	-168	4	-1345	0	0	0	-168	4	-1345
15	28	CAMBER	3	1	C1BK	53	1	534	53	1	534	0	0	0
15	28	CAMBER	3	2	C2BK	52	1	534	52	1	534	0	0	0
15	28	CAMBER	3	3	C3BK	52	1	534	52	1	534	0	0	0

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15	28	CAMBER	5	1	C1AH	-68	5	-1524	0	0	0	-68	5	-1524
15	28	CAMBER	5	2	C2AH	-68	5	-1524	0	0	0	-68	5	-1524
15	28	CAMBER	5	3	C3AH	-68	5	-1524	0	0	0	-68	5	-1524
15	28	CAMBER	11	1	SAH	-92	2	-826	0	0	0	-92	2	-826
16	8	BLOWOUT DEFLECTION NA+	3	1	C1BK	49	40	606	49	40	606	0	0	0
16	8	BLOWOUT DEFLECTION NA+	3	2	C2BK	49	40	606	49	40	606	0	0	0
16	8	BLOWOUT DEFLECTION NA+	3	3	C3BK	49	40	606	49	40	606	0	0	0
16	8	BLOWOUT DEFLECTION NA+	5	1	C1AH	-95	86	-1714	0	0	0	-95	86	-1714
16	8	BLOWOUT DEFLECTION NA+	5	2	C2AH	-95	86	-1714	0	0	0	-95	86	-1714
16	8	BLOWOUT DEFLECTION NA+	5	3	C3AH	-96	86	-1714	0	0	0	-96	86	-1714
16	8	BLOWOUT DEFLECTION NA+	11	1	SAH	-104	24	-906	0	0	0	-104	24	-906
17	8	BLOWOUT DEFLECTION NA-	3	1	C1BK	49	-38	606	49	-38	606	0	0	0
17	8	BLOWOUT DEFLECTION NA-	3	2	C2BK	49	-38	606	49	-38	606	0	0	0
17	8	BLOWOUT DEFLECTION NA-	3	3	C3BK	49	-38	606	49	-38	606	0	0	0
17	8	BLOWOUT DEFLECTION NA-	5	1	C1AH	-95	-75	-1715	0	0	0	-95	-75	-1715
17	8	BLOWOUT DEFLECTION NA-	5	2	C2AH	-95	-75	-1715	0	0	0	-95	-75	-1715
17	8	BLOWOUT DEFLECTION NA-	5	3	C3AH	-96	-75	-1715	0	0	0	-96	-75	-1715
17	8	BLOWOUT DEFLECTION NA-	11	1	SAH	-104	-18	-906	0	0	0	-104	-18	-906

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	S1	332	-894	2607	332	-894	2607	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	1	C1	895	-1538	4589	895	-1538	4589	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	2	C2	895	-1538	4589	895	-1538	4589	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	3	C3	895	-1539	4589	895	-1539	4589	0	0	0
7	1	NESC MEDIUM NA+ (250B)	11	1	S11	361	-941	-2602	0	0	0	361	-941	-2602
7	1	NESC MEDIUM NA+ (250B)	15	1	C11	894	-1654	-4623	0	0	0	894	-1654	-4623
7	1	NESC MEDIUM NA+ (250B)	15	2	C22	895	-1655	-4622	0	0	0	895	-1655	-4622
7	1	NESC MEDIUM NA+ (250B)	15	3	C33	895	-1656	-4622	0	0	0	895	-1656	-4622
7	1	NESC MEDIUM NA+ (250B)	21	1	D1	1306	-2115	4331	1306	-2115	4331	0	0	0
7	1	NESC MEDIUM NA+ (250B)	21	2	D2	991	-1697	4531	991	-1697	4531	0	0	0
7	1	NESC MEDIUM NA+ (250B)	21	3	D3	669	-1258	4687	669	-1258	4687	0	0	0
7	1	NESC MEDIUM NA+ (250B)	25	1	N1	379	-845	2282	379	-845	2282	0	0	0
7	1	NESC MEDIUM NA+ (250B)	31	1	D11	986	-1862	-4526	0	0	0	986	-1862	-4526
7	1	NESC MEDIUM NA+ (250B)	31	2	D22	823	-1670	-4607	0	0	0	823	-1670	-4607
7	1	NESC MEDIUM NA+ (250B)	31	3	D33	658	-1474	-4680	0	0	0	658	-1474	-4680
7	1	NESC MEDIUM NA+ (250B)	35	1	N11	840	-1671	-4606	0	0	0	840	-1671	-4606
7	1	NESC MEDIUM NA+ (250B)	41	1	CATV1	264	-552	1520	264	-552	1520	0	0	0
7	1	NESC MEDIUM NA+ (250B)	42	1	TELE1	196	-378	1068	196	-378	1068	0	0	0
7	1	NESC MEDIUM NA+ (250B)	43	1	ADSS1	309	-690	1888	309	-690	1888	0	0	0
7	1	NESC MEDIUM NA+ (250B)	44	1	D1_TAP	326	1877	-4570	0	0	0	326	1877	-4570
7	1	NESC MEDIUM NA+ (250B)	44	2	D2_TAP	326	1877	-4571	0	0	0	326	1877	-4571
7	1	NESC MEDIUM NA+ (250B)	44	3	D3_TAP	326	1877	-4571	0	0	0	326	1877	-4571
7	1	NESC MEDIUM NA+ (250B)	45	1	N_TAP	291	1877	-4571	0	0	0	291	1877	-4571
7	1	NESC MEDIUM NA+ (250B)	53	1	ADSS11	299	-581	-1713	0	0	0	299	-581	-1713
7	1	NESC MEDIUM NA+ (250B)	58	1	ADSS_TAP	122	737	-1656	0	0	0	122	737	-1656
7	1	NESC MEDIUM NA+ (250B)	59	1	CATV_TAP	129	669	-1503	0	0	0	129	669	-1503
7	1	NESC MEDIUM NA+ (250B)	60	1	TELE_TAP	129	669	-1503	0	0	0	129	669	-1503
8	1	NESC MEDIUM NA- (250B)	1	1	S1	332	-1054	2548	332	-1054	2548	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	1	C1	895	-1885	4462	895	-1885	4462	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	2	C2	895	-1885	4462	895	-1885	4462	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	3	C3	895	-1885	4462	895	-1885	4462	0	0	0
8	1	NESC MEDIUM NA- (250B)	11	1	S11	361	-1021	-2572	0	0	0	361	-1021	-2572
8	1	NESC MEDIUM NA- (250B)	15	1	C11	894	-1831	-4559	0	0	0	894	-1831	-4559
8	1	NESC MEDIUM NA- (250B)	15	2	C22	895	-1832	-4559	0	0	0	895	-1832	-4559
8	1	NESC MEDIUM NA- (250B)	15	3	C33	895	-1833	-4559	0	0	0	895	-1833	-4559
8	1	NESC MEDIUM NA- (250B)	21	1	D1	1306	-2189	4296	1306	-2189	4296	0	0	0
8	1	NESC MEDIUM NA- (250B)	21	2	D2	991	-1773	4504	991	-1773	4504	0	0	0
8	1	NESC MEDIUM NA- (250B)	21	3	D3	669	-1335	4667	669	-1335	4667	0	0	0
8	1	NESC MEDIUM NA- (250B)	25	1	N1	379	-904	2261	379	-904	2261	0	0	0
8	1	NESC MEDIUM NA- (250B)	31	1	D11	986	-2006	-4465	0	0	0	986	-2006	-4465
8	1	NESC MEDIUM NA- (250B)	31	2	D22	823	-1815	-4554	0	0	0	823	-1815	-4554
8	1	NESC MEDIUM NA- (250B)	31	3	D33	658	-1620	-4633	0	0	0	658	-1620	-4633
8	1	NESC MEDIUM NA- (250B)	35	1	N11	840	-1817	-4553	0	0	0	840	-1817	-4553
8	1	NESC MEDIUM NA- (250B)	41	1	CATV1	264	-611	1498	264	-611	1498	0	0	0
8	1	NESC MEDIUM NA- (250B)	42	1	TELE1	196	-437	1047	196	-437	1047	0	0	0
8	1	NESC MEDIUM NA- (250B)	43	1	ADSS1	309	-755	1865	309	-755	1865	0	0	0
8	1	NESC MEDIUM NA- (250B)	44	1	D1_TAP	326	1677	-4646	0	0	0	326	1677	-4646
8	1	NESC MEDIUM NA- (250B)	44	2	D2_TAP	326	1677	-4646	0	0	0	326	1677	-4646
8	1	NESC MEDIUM NA- (250B)	44	3	D3_TAP	326	1677	-4646	0	0	0	326	1677	-4646
8	1	NESC MEDIUM NA- (250B)	45	1	N_TAP	291	1677	-4647	0	0	0	291	1677	-4647
8	1	NESC MEDIUM NA- (250B)	53	1	ADSS11	299	-706	-1667	0	0	0	299	-706	-1667
8	1	NESC MEDIUM NA- (250B)	58	1	ADSS_TAP	122	565	-1721	0	0	0	122	565	-1721
8	1	NESC MEDIUM NA- (250B)	59	1	CATV_TAP	129	512	-1561	0	0	0	129	512	-1561
8	1	NESC MEDIUM NA- (250B)	60	1	TELE_TAP	129	512	-1561	0	0	0	129	512	-1561
9	4	)NCURRENT ICE/WIND NA+ (250	1	1	S1	523	-825	2317	523	-825	2317	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (250	5	1	C1	1104	-1588	4403	1104	-1588	4403	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (250	5	2	C2	1104	-1588	4403	1104	-1588	4403	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (250	5	3	C3	1105	-1589	4403	1105	-1589	4403	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (250	11	1	S11	466	-727	-1983	0	0	0	466	-727	-1983

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9	4	)NCURRENT ICE/WIND NA+ (25(	15	1	C11	976	-1454	-3933	0	0	0	976	-1454	-3933
9	4	)NCURRENT ICE/WIND NA+ (25(	15	2	C22	976	-1455	-3933	0	0	0	976	-1455	-3933
9	4	)NCURRENT ICE/WIND NA+ (25(	15	3	C33	977	-1455	-3932	0	0	0	977	-1455	-3932
9	4	)NCURRENT ICE/WIND NA+ (25(	21	1	D1	1225	-1525	3094	1225	-1525	3094	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (25(	21	2	D2	934	-1222	3229	934	-1222	3229	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (25(	21	3	D3	638	-907	3334	638	-907	3334	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (25(	25	1	N1	423	-653	1736	423	-653	1736	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (25(	31	1	D11	1047	-1498	-3564	0	0	0	1047	-1498	-3564
9	4	)NCURRENT ICE/WIND NA+ (25(	31	2	D22	881	-1345	-3625	0	0	0	881	-1345	-3625
9	4	)NCURRENT ICE/WIND NA+ (25(	31	3	D33	714	-1189	-3681	0	0	0	714	-1189	-3681
9	4	)NCURRENT ICE/WIND NA+ (25(	35	1	N11	898	-1346	-3625	0	0	0	898	-1346	-3625
9	4	)NCURRENT ICE/WIND NA+ (25(	41	1	CATV1	337	-494	1322	337	-494	1322	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (25(	42	1	TELE1	281	-391	1055	281	-391	1055	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (25(	43	1	ADSS1	465	-731	1941	465	-731	1941	0	0	0
9	4	)NCURRENT ICE/WIND NA+ (25(	44	1	D1_TAP	415	1545	-3881	0	0	0	415	1545	-3881
9	4	)NCURRENT ICE/WIND NA+ (25(	44	2	D2_TAP	415	1544	-3881	0	0	0	415	1544	-3881
9	4	)NCURRENT ICE/WIND NA+ (25(	44	3	D3_TAP	415	1544	-3881	0	0	0	415	1544	-3881
9	4	)NCURRENT ICE/WIND NA+ (25(	45	1	N_TAP	377	1544	-3881	0	0	0	377	1544	-3881
9	4	)NCURRENT ICE/WIND NA+ (25(	53	1	ADSS11	528	-744	-2037	0	0	0	528	-744	-2037
9	4	)NCURRENT ICE/WIND NA+ (25(	58	1	ADSS_TAI	239	842	-2070	0	0	0	239	842	-2070
9	4	)NCURRENT ICE/WIND NA+ (25(	59	1	CATV_TAI	220	677	-1648	0	0	0	220	677	-1648
9	4	)NCURRENT ICE/WIND NA+ (25(	60	1	TELE_TAI	220	677	-1648	0	0	0	220	677	-1648
10	4	)NCURRENT ICE/WIND NA- (25(	1	1	S1	523	-913	2284	523	-913	2284	0	0	0
10	4	)NCURRENT ICE/WIND NA- (25(	5	1	C1	1104	-1723	4353	1104	-1723	4353	0	0	0
10	4	)NCURRENT ICE/WIND NA- (25(	5	2	C2	1104	-1723	4353	1104	-1723	4353	0	0	0
10	4	)NCURRENT ICE/WIND NA- (25(	5	3	C3	1105	-1724	4352	1105	-1724	4352	0	0	0
10	4	)NCURRENT ICE/WIND NA- (25(	11	1	S11	466	-771	-1967	0	0	0	466	-771	-1967
10	4	)NCURRENT ICE/WIND NA- (25(	15	1	C11	976	-1522	-3908	0	0	0	976	-1522	-3908
10	4	)NCURRENT ICE/WIND NA- (25(	15	2	C22	976	-1523	-3908	0	0	0	976	-1523	-3908
10	4	)NCURRENT ICE/WIND NA- (25(	15	3	C33	977	-1524	-3907	0	0	0	977	-1524	-3907
10	4	)NCURRENT ICE/WIND NA- (25(	21	1	D1	1225	-1555	3079	1225	-1555	3079	0	0	0
10	4	)NCURRENT ICE/WIND NA- (25(	21	2	D2	934	-1253	3217	934	-1253	3217	0	0	0
10	4	)NCURRENT ICE/WIND NA- (25(	21	3	D3	638	-939	3325	638	-939	3325	0	0	0
10	4	)NCURRENT ICE/WIND NA- (25(	25	1	N1	423	-679	1726	423	-679	1726	0	0	0
10	4	)NCURRENT ICE/WIND NA- (25(	31	1	D11	1047	-1558	-3538	0	0	0	1047	-1558	-3538
10	4	)NCURRENT ICE/WIND NA- (25(	31	2	D22	881	-1405	-3603	0	0	0	881	-1405	-3603
10	4	)NCURRENT ICE/WIND NA- (25(	31	3	D33	714	-1250	-3661	0	0	0	714	-1250	-3661
10	4	)NCURRENT ICE/WIND NA- (25(	35	1	N11	898	-1406	-3602	0	0	0	898	-1406	-3602
10	4	)NCURRENT ICE/WIND NA- (25(	41	1	CATV1	337	-521	1312	337	-521	1312	0	0	0
10	4	)NCURRENT ICE/WIND NA- (25(	42	1	TELE1	281	-418	1045	281	-418	1045	0	0	0
10	4	)NCURRENT ICE/WIND NA- (25(	43	1	ADSS1	465	-759	1931	465	-759	1931	0	0	0
10	4	)NCURRENT ICE/WIND NA- (25(	44	1	D1_TAP	415	1461	-3913	0	0	0	415	1461	-3913
10	4	)NCURRENT ICE/WIND NA- (25(	44	2	D2_TAP	415	1461	-3913	0	0	0	415	1461	-3913
10	4	)NCURRENT ICE/WIND NA- (25(	44	3	D3_TAP	415	1461	-3913	0	0	0	415	1461	-3913
10	4	)NCURRENT ICE/WIND NA- (25(	45	1	N_TAP	377	1461	-3913	0	0	0	377	1461	-3913
10	4	)NCURRENT ICE/WIND NA- (25(	53	1	ADSS11	528	-800	-2016	0	0	0	528	-800	-2016
10	4	)NCURRENT ICE/WIND NA- (25(	58	1	ADSS_TAI	239	766	-2099	0	0	0	239	766	-2099
10	4	)NCURRENT ICE/WIND NA- (25(	59	1	CATV_TAI	220	604	-1675	0	0	0	220	604	-1675
10	4	)NCURRENT ICE/WIND NA- (25(	60	1	TELE_TAI	220	604	-1675	0	0	0	220	604	-1675
11	3	EXTREME WIND NA+ (250C)	1	1	S1	283	-509	1665	283	-509	1665	0	0	0
11	3	EXTREME WIND NA+ (250C)	5	1	C1	759	-1031	3924	759	-1031	3924	0	0	0
11	3	EXTREME WIND NA+ (250C)	5	2	C2	759	-1039	3921	759	-1039	3921	0	0	0
11	3	EXTREME WIND NA+ (250C)	5	3	C3	759	-1049	3917	759	-1049	3917	0	0	0
11	3	EXTREME WIND NA+ (250C)	11	1	S11	292	-481	-1443	0	0	0	292	-481	-1443
11	3	EXTREME WIND NA+ (250C)	15	1	C11	653	-878	-2974	0	0	0	653	-878	-2974
11	3	EXTREME WIND NA+ (250C)	15	2	C22	653	-883	-2973	0	0	0	653	-883	-2973
11	3	EXTREME WIND NA+ (250C)	15	3	C33	653	-887	-2971	0	0	0	653	-887	-2971
11	3	EXTREME WIND NA+ (250C)	21	1	D1	623	-717	1646	623	-717	1646	0	0	0
11	3	EXTREME WIND NA+ (250C)	21	2	D2	481	-572	1742	481	-572	1742	0	0	0
11	3	EXTREME WIND NA+ (250C)	21	3	D3	329	-411	1816	329	-411	1816	0	0	0
11	3	EXTREME WIND NA+ (250C)	25	1	N1	225	-327	1014	225	-327	1014	0	0	0
11	3	EXTREME WIND NA+ (250C)	31	1	D11	654	-883	-2473	0	0	0	654	-883	-2473
11	3	EXTREME WIND NA+ (250C)	31	2	D22	545	-787	-2527	0	0	0	545	-787	-2527

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11	3	EXTREME WIND NA+ (250C)	31	3	D33	434	-686	-2573	0	0	0	434	-686	-2573
11	3	EXTREME WIND NA+ (250C)	35	1	N11	547	-774	-2477	0	0	0	547	-774	-2477
11	3	EXTREME WIND NA+ (250C)	41	1	CATV1	185	-252	818	185	-252	818	0	0	0
11	3	EXTREME WIND NA+ (250C)	42	1	TELE1	161	-208	705	161	-208	705	0	0	0
11	3	EXTREME WIND NA+ (250C)	43	1	ADSS1	194	-269	891	194	-269	891	0	0	0
11	3	EXTREME WIND NA+ (250C)	44	1	D1_TAP	220	1369	-2918	0	0	0	220	1369	-2918
11	3	EXTREME WIND NA+ (250C)	44	2	D2_TAP	220	1365	-2919	0	0	0	220	1365	-2919
11	3	EXTREME WIND NA+ (250C)	44	3	D3_TAP	220	1362	-2921	0	0	0	220	1362	-2921
11	3	EXTREME WIND NA+ (250C)	45	1	N_TAP	188	1330	-2852	0	0	0	188	1330	-2852
11	3	EXTREME WIND NA+ (250C)	53	1	ADSS11	299	-404	-1414	0	0	0	299	-404	-1414
11	3	EXTREME WIND NA+ (250C)	58	1	ADSS_TAI	91	802	-1605	0	0	0	91	802	-1605
11	3	EXTREME WIND NA+ (250C)	59	1	CATV_TAI	85	633	-1244	0	0	0	85	633	-1244
11	3	EXTREME WIND NA+ (250C)	60	1	TELE_TAI	85	633	-1244	0	0	0	85	633	-1244
12	3	EXTREME WIND NA- (250C)	1	1	S1	283	-721	1588	283	-721	1588	0	0	0
12	3	EXTREME WIND NA- (250C)	5	1	C1	759	-1828	3637	759	-1828	3637	0	0	0
12	3	EXTREME WIND NA- (250C)	5	2	C2	759	-1821	3640	759	-1821	3640	0	0	0
12	3	EXTREME WIND NA- (250C)	5	3	C3	759	-1812	3644	759	-1812	3644	0	0	0
12	3	EXTREME WIND NA- (250C)	11	1	S11	292	-598	-1402	0	0	0	292	-598	-1402
12	3	EXTREME WIND NA- (250C)	15	1	C11	653	-1322	-2822	0	0	0	653	-1322	-2822
12	3	EXTREME WIND NA- (250C)	15	2	C22	653	-1318	-2823	0	0	0	653	-1318	-2823
12	3	EXTREME WIND NA- (250C)	15	3	C33	653	-1315	-2824	0	0	0	653	-1315	-2824
12	3	EXTREME WIND NA- (250C)	21	1	D1	623	-887	1569	623	-887	1569	0	0	0
12	3	EXTREME WIND NA- (250C)	21	2	D2	481	-743	1682	481	-743	1682	0	0	0
12	3	EXTREME WIND NA- (250C)	21	3	D3	329	-583	1773	329	-583	1773	0	0	0
12	3	EXTREME WIND NA- (250C)	25	1	N1	225	-439	976	225	-439	976	0	0	0
12	3	EXTREME WIND NA- (250C)	31	1	D11	654	-1190	-2347	0	0	0	654	-1190	-2347
12	3	EXTREME WIND NA- (250C)	31	2	D22	545	-1093	-2416	0	0	0	545	-1093	-2416
12	3	EXTREME WIND NA- (250C)	31	3	D33	434	-992	-2477	0	0	0	434	-992	-2477
12	3	EXTREME WIND NA- (250C)	35	1	N11	547	-1071	-2369	0	0	0	547	-1071	-2369
12	3	EXTREME WIND NA- (250C)	41	1	CATV1	185	-363	780	185	-363	780	0	0	0
12	3	EXTREME WIND NA- (250C)	42	1	TELE1	161	-320	667	161	-320	667	0	0	0
12	3	EXTREME WIND NA- (250C)	43	1	ADSS1	194	-400	847	194	-400	847	0	0	0
12	3	EXTREME WIND NA- (250C)	44	1	D1_TAP	220	943	-3076	0	0	0	220	943	-3076
12	3	EXTREME WIND NA- (250C)	44	2	D2_TAP	220	946	-3075	0	0	0	220	946	-3075
12	3	EXTREME WIND NA- (250C)	44	3	D3_TAP	220	949	-3074	0	0	0	220	949	-3074
12	3	EXTREME WIND NA- (250C)	45	1	N_TAP	188	927	-3002	0	0	0	188	927	-3002
12	3	EXTREME WIND NA- (250C)	53	1	ADSS11	299	-641	-1329	0	0	0	299	-641	-1329
12	3	EXTREME WIND NA- (250C)	58	1	ADSS_TAI	91	482	-1723	0	0	0	91	482	-1723
12	3	EXTREME WIND NA- (250C)	59	1	CATV_TAI	85	364	-1342	0	0	0	85	364	-1342
12	3	EXTREME WIND NA- (250C)	60	1	TELE_TAI	85	364	-1342	0	0	0	85	364	-1342
13	6	EXTREME ICE	1	1	S1	456	-743	1966	456	-743	1966	0	0	0
13	6	EXTREME ICE	5	1	C1	958	-1393	3685	958	-1393	3685	0	0	0
13	6	EXTREME ICE	5	2	C2	958	-1394	3685	958	-1394	3685	0	0	0
13	6	EXTREME ICE	5	3	C3	958	-1394	3685	958	-1394	3685	0	0	0
13	6	EXTREME ICE	11	1	S11	396	-627	-1652	0	0	0	396	-627	-1652
13	6	EXTREME ICE	15	1	C11	786	-1153	-3039	0	0	0	786	-1153	-3039
13	6	EXTREME ICE	15	2	C22	786	-1154	-3039	0	0	0	786	-1154	-3039
13	6	EXTREME ICE	15	3	C33	786	-1155	-3038	0	0	0	786	-1155	-3038
13	6	EXTREME ICE	21	1	D1	888	-1094	2192	888	-1094	2192	0	0	0
13	6	EXTREME ICE	21	2	D2	680	-878	2287	680	-878	2287	0	0	0
13	6	EXTREME ICE	21	3	D3	469	-654	2361	469	-654	2361	0	0	0
13	6	EXTREME ICE	25	1	N1	324	-493	1281	324	-493	1281	0	0	0
13	6	EXTREME ICE	31	1	D11	834	-1185	-2754	0	0	0	834	-1185	-2754
13	6	EXTREME ICE	31	2	D22	705	-1066	-2802	0	0	0	705	-1066	-2802
13	6	EXTREME ICE	31	3	D33	575	-945	-2845	0	0	0	575	-945	-2845
13	6	EXTREME ICE	35	1	N11	718	-1066	-2799	0	0	0	718	-1066	-2799
13	6	EXTREME ICE	41	1	CATV1	261	-378	980	261	-378	980	0	0	0
13	6	EXTREME ICE	42	1	TELE1	224	-309	803	224	-309	803	0	0	0
13	6	EXTREME ICE	43	1	ADSS1	275	-404	1050	275	-404	1050	0	0	0
13	6	EXTREME ICE	44	1	D1_TAP	358	1211	-3139	0	0	0	358	1211	-3139
13	6	EXTREME ICE	44	2	D2_TAP	358	1211	-3139	0	0	0	358	1211	-3139
13	6	EXTREME ICE	44	3	D3_TAP	358	1210	-3139	0	0	0	358	1210	-3139
13	6	EXTREME ICE	45	1	N_TAP	327	1210	-3139	0	0	0	327	1210	-3139

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13	6	EXTREME ICE	53	1	ADSS11	401	-555	-1458	0	0	0	401	-555	-1458
13	6	EXTREME ICE	58	1	ADSS_TAP	207	628	-1629	0	0	0	207	628	-1629
13	6	EXTREME ICE	59	1	CATV_TAP	196	537	-1392	0	0	0	196	537	-1392
13	6	EXTREME ICE	60	1	TELE_TAP	196	537	-1392	0	0	0	196	537	-1392
14	9	UPLIFT	1	1	S1	223	-476	1258	223	-476	1258	0	0	0
14	9	UPLIFT	5	1	C1	465	-752	1989	465	-752	1989	0	0	0
14	9	UPLIFT	5	2	C2	465	-752	1989	465	-752	1989	0	0	0
14	9	UPLIFT	5	3	C3	465	-753	1989	465	-753	1989	0	0	0
14	9	UPLIFT	11	1	S11	328	-612	-1614	0	0	0	328	-612	-1614
14	9	UPLIFT	15	1	C11	655	-1120	-2950	0	0	0	655	-1120	-2950
14	9	UPLIFT	15	2	C22	655	-1120	-2950	0	0	0	655	-1120	-2950
14	9	UPLIFT	15	3	C33	655	-1121	-2950	0	0	0	655	-1121	-2950
14	9	UPLIFT	21	1	D1	1215	-1608	3222	1215	-1608	3222	0	0	0
14	9	UPLIFT	21	2	D2	912	-1291	3361	912	-1291	3361	0	0	0
14	9	UPLIFT	21	3	D3	605	-962	3470	605	-962	3470	0	0	0
14	9	UPLIFT	25	1	N1	360	-633	1646	360	-633	1646	0	0	0
14	9	UPLIFT	31	1	D11	812	-1319	-3066	0	0	0	812	-1319	-3066
14	9	UPLIFT	31	2	D22	669	-1187	-3120	0	0	0	669	-1187	-3120
14	9	UPLIFT	31	3	D33	526	-1053	-3168	0	0	0	526	-1053	-3168
14	9	UPLIFT	35	1	N11	684	-1188	-3119	0	0	0	684	-1188	-3119
14	9	UPLIFT	41	1	CATV1	237	-407	1058	237	-407	1058	0	0	0
14	9	UPLIFT	42	1	TELE1	132	-213	553	132	-213	553	0	0	0
14	9	UPLIFT	43	1	ADSS1	667	-1207	3136	667	-1207	3136	0	0	0
14	9	UPLIFT	44	1	D1_TAP	203	1073	-2782	0	0	0	203	1073	-2782
14	9	UPLIFT	44	2	D2_TAP	203	1073	-2782	0	0	0	203	1073	-2782
14	9	UPLIFT	44	3	D3_TAP	203	1073	-2782	0	0	0	203	1073	-2782
14	9	UPLIFT	45	1	N_TAP	176	1073	-2782	0	0	0	176	1073	-2782
14	9	UPLIFT	53	1	ADSS11	108	-168	-442	0	0	0	108	-168	-442
14	9	UPLIFT	58	1	ADSS_TAP	35	117	-304	0	0	0	35	117	-304
14	9	UPLIFT	59	1	CATV_TAP	51	170	-440	0	0	0	51	170	-440
14	9	UPLIFT	60	1	TELE_TAP	51	170	-440	0	0	0	51	170	-440
15	28	CAMBER	1	1	S1	148	-292	773	148	-292	773	0	0	0
15	28	CAMBER	5	1	C1	377	-539	1426	377	-539	1426	0	0	0
15	28	CAMBER	5	2	C2	377	-539	1426	377	-539	1426	0	0	0
15	28	CAMBER	5	3	C3	377	-539	1426	377	-539	1426	0	0	0
15	28	CAMBER	11	1	S11	211	-384	-1013	0	0	0	211	-384	-1013
15	28	CAMBER	15	1	C11	300	-424	-1117	0	0	0	300	-424	-1117
15	28	CAMBER	15	2	C22	300	-424	-1117	0	0	0	300	-424	-1117
15	28	CAMBER	15	3	C33	300	-425	-1117	0	0	0	300	-425	-1117
15	28	CAMBER	21	1	D1	296	-363	727	296	-363	727	0	0	0
15	28	CAMBER	21	2	D2	227	-291	758	227	-291	758	0	0	0
15	28	CAMBER	21	3	D3	158	-217	783	158	-217	783	0	0	0
15	28	CAMBER	25	1	N1	86	-129	335	86	-129	335	0	0	0
15	28	CAMBER	31	1	D11	296	-427	-992	0	0	0	296	-427	-992
15	28	CAMBER	31	2	D22	250	-384	-1009	0	0	0	250	-384	-1009
15	28	CAMBER	31	3	D33	203	-340	-1024	0	0	0	203	-340	-1024
15	28	CAMBER	35	1	N11	255	-384	-1009	0	0	0	255	-384	-1009
15	28	CAMBER	41	1	CATV1	59	-80	207	59	-80	207	0	0	0
15	28	CAMBER	42	1	TELE1	50	-62	162	50	-62	162	0	0	0
15	28	CAMBER	43	1	ADSS1	32	-37	96	32	-37	96	0	0	0
15	28	CAMBER	44	1	D1_TAP	122	438	-1136	0	0	0	122	438	-1136
15	28	CAMBER	44	2	D2_TAP	122	438	-1136	0	0	0	122	438	-1136
15	28	CAMBER	44	3	D3_TAP	122	438	-1136	0	0	0	122	438	-1136
15	28	CAMBER	45	1	N_TAP	111	438	-1136	0	0	0	111	438	-1136
15	28	CAMBER	53	1	ADSS11	50	-60	-157	0	0	0	50	-60	-157
15	28	CAMBER	58	1	ADSS_TAP	30	72	-187	0	0	0	30	72	-187
15	28	CAMBER	59	1	CATV_TAP	46	121	-313	0	0	0	46	121	-313
15	28	CAMBER	60	1	TELE_TAP	46	121	-313	0	0	0	46	121	-313
16	8	BLOWOUT DEFLECTION NA+	1	1	S1	159	-300	854	159	-300	854	0	0	0
16	8	BLOWOUT DEFLECTION NA+	5	1	C1	405	-530	1631	405	-530	1631	0	0	0
16	8	BLOWOUT DEFLECTION NA+	5	2	C2	405	-531	1631	405	-531	1631	0	0	0
16	8	BLOWOUT DEFLECTION NA+	5	3	C3	405	-531	1631	405	-531	1631	0	0	0
16	8	BLOWOUT DEFLECTION NA+	11	1	S11	214	-378	-1028	0	0	0	214	-378	-1028

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16	8	BLOWOUT DEFLECTION NA+	15	1	C11	324	-433	-1259	0	0	0	324	-433	-1259
16	8	BLOWOUT DEFLECTION NA+	15	2	C22	324	-434	-1259	0	0	0	324	-434	-1259
16	8	BLOWOUT DEFLECTION NA+	15	3	C33	325	-434	-1259	0	0	0	325	-434	-1259
16	8	BLOWOUT DEFLECTION NA+	21	1	D1	322	-382	804	322	-382	804	0	0	0
16	8	BLOWOUT DEFLECTION NA+	21	2	D2	248	-306	843	248	-306	843	0	0	0
16	8	BLOWOUT DEFLECTION NA+	21	3	D3	172	-225	874	172	-225	874	0	0	0
16	8	BLOWOUT DEFLECTION NA+	25	1	N1	102	-148	415	102	-148	415	0	0	0
16	8	BLOWOUT DEFLECTION NA+	31	1	D11	329	-454	-1136	0	0	0	329	-454	-1136
16	8	BLOWOUT DEFLECTION NA+	31	2	D22	277	-406	-1157	0	0	0	277	-406	-1157
16	8	BLOWOUT DEFLECTION NA+	31	3	D33	225	-358	-1176	0	0	0	225	-358	-1176
16	8	BLOWOUT DEFLECTION NA+	35	1	N11	282	-406	-1155	0	0	0	282	-406	-1155
16	8	BLOWOUT DEFLECTION NA+	41	1	CATV1	73	-94	275	73	-94	275	0	0	0
16	8	BLOWOUT DEFLECTION NA+	42	1	TELE1	61	-72	220	61	-72	220	0	0	0
16	8	BLOWOUT DEFLECTION NA+	43	1	ADSS1	53	-63	201	53	-63	201	0	0	0
16	8	BLOWOUT DEFLECTION NA+	44	1	D1_TAP	131	547	-1298	0	0	0	131	547	-1298
16	8	BLOWOUT DEFLECTION NA+	44	2	D2_TAP	131	547	-1298	0	0	0	131	547	-1298
16	8	BLOWOUT DEFLECTION NA+	44	3	D3_TAP	131	547	-1298	0	0	0	131	547	-1298
16	8	BLOWOUT DEFLECTION NA+	45	1	N_TAP	118	547	-1299	0	0	0	118	547	-1299
16	8	BLOWOUT DEFLECTION NA+	53	1	ADSS11	84	-99	-331	0	0	0	84	-99	-331
16	8	BLOWOUT DEFLECTION NA+	58	1	ADSS_TAP	38	184	-382	0	0	0	38	184	-382
16	8	BLOWOUT DEFLECTION NA+	59	1	CATV_TAP	50	190	-411	0	0	0	50	190	-411
16	8	BLOWOUT DEFLECTION NA+	60	1	TELE_TAP	50	190	-411	0	0	0	50	190	-411
17	8	BLOWOUT DEFLECTION NA-	1	1	S1	159	-340	840	159	-340	840	0	0	0
17	8	BLOWOUT DEFLECTION NA-	5	1	C1	405	-682	1576	405	-682	1576	0	0	0
17	8	BLOWOUT DEFLECTION NA-	5	2	C2	405	-682	1576	405	-682	1576	0	0	0
17	8	BLOWOUT DEFLECTION NA-	5	3	C3	405	-683	1576	405	-683	1576	0	0	0
17	8	BLOWOUT DEFLECTION NA-	11	1	S11	214	-399	-1021	0	0	0	214	-399	-1021
17	8	BLOWOUT DEFLECTION NA-	15	1	C11	324	-512	-1231	0	0	0	324	-512	-1231
17	8	BLOWOUT DEFLECTION NA-	15	2	C22	324	-512	-1231	0	0	0	324	-512	-1231
17	8	BLOWOUT DEFLECTION NA-	15	3	C33	325	-512	-1231	0	0	0	325	-512	-1231
17	8	BLOWOUT DEFLECTION NA-	21	1	D1	322	-413	790	322	-413	790	0	0	0
17	8	BLOWOUT DEFLECTION NA-	21	2	D2	248	-338	832	248	-338	832	0	0	0
17	8	BLOWOUT DEFLECTION NA-	21	3	D3	172	-257	866	172	-257	866	0	0	0
17	8	BLOWOUT DEFLECTION NA-	25	1	N1	102	-169	408	102	-169	408	0	0	0
17	8	BLOWOUT DEFLECTION NA-	31	1	D11	329	-513	-1111	0	0	0	329	-513	-1111
17	8	BLOWOUT DEFLECTION NA-	31	2	D22	277	-466	-1136	0	0	0	277	-466	-1136
17	8	BLOWOUT DEFLECTION NA-	31	3	D33	225	-418	-1157	0	0	0	225	-418	-1157
17	8	BLOWOUT DEFLECTION NA-	35	1	N11	282	-465	-1133	0	0	0	282	-465	-1133
17	8	BLOWOUT DEFLECTION NA-	41	1	CATV1	73	-115	268	73	-115	268	0	0	0
17	8	BLOWOUT DEFLECTION NA-	42	1	TELE1	61	-94	212	61	-94	212	0	0	0
17	8	BLOWOUT DEFLECTION NA-	43	1	ADSS1	53	-88	193	53	-88	193	0	0	0
17	8	BLOWOUT DEFLECTION NA-	44	1	D1_TAP	131	466	-1329	0	0	0	131	466	-1329
17	8	BLOWOUT DEFLECTION NA-	44	2	D2_TAP	131	466	-1329	0	0	0	131	466	-1329
17	8	BLOWOUT DEFLECTION NA-	44	3	D3_TAP	131	466	-1329	0	0	0	131	466	-1329
17	8	BLOWOUT DEFLECTION NA-	45	1	N_TAP	118	466	-1329	0	0	0	118	466	-1329
17	8	BLOWOUT DEFLECTION NA-	53	1	ADSS11	84	-147	-314	0	0	0	84	-147	-314
17	8	BLOWOUT DEFLECTION NA-	58	1	ADSS_TAP	38	119	-406	0	0	0	38	119	-406
17	8	BLOWOUT DEFLECTION NA-	59	1	CATV_TAP	50	135	-432	0	0	0	50	135	-432
17	8	BLOWOUT DEFLECTION NA-	60	1	TELE_TAP	50	135	-432	0	0	0	50	135	-432

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	SW	163	956	8	81	454	2756	81	503	-2748
7	1	NESC MEDIUM NA+ (250B)	3	1	TC	156	3329	97	36	1355	10607	120	1975	-10510
7	1	NESC MEDIUM NA+ (250B)	3	2	MC	156	3313	98	36	1341	10608	120	1973	-10510
7	1	NESC MEDIUM NA+ (250B)	3	3	BC	156	3297	100	36	1326	10610	120	1971	-10511
7	1	NESC MEDIUM NA+ (250B)	5	1	D1	284	1288	6	132	621	4050	152	667	-4044
7	1	NESC MEDIUM NA+ (250B)	5	2	D2	220	1406	28	123	618	4051	98	788	-4022
7	1	NESC MEDIUM NA+ (250B)	5	3	D3	156	1439	36	113	615	4051	43	823	-4015
7	1	NESC MEDIUM NA+ (250B)	7	1	N	138	883	14	84	402	2423	54	481	-2410
7	1	NESC MEDIUM NA+ (250B)	8	1	ADSS	124	703	12	70	317	1713	55	387	-1701
7	1	NESC MEDIUM NA+ (250B)	9	1	CATV	159	649	11	83	292	1600	76	357	-1589
7	1	NESC MEDIUM NA+ (250B)	10	1	TELE	159	649	11	83	292	1600	76	357	-1589
7	1	NESC MEDIUM NA+ (250B)	20	1	DTAP1	66	4707	-1457	0	0	0	66	4707	-1457
7	1	NESC MEDIUM NA+ (250B)	20	2	DTAP2	93	4707	-1457	0	0	0	93	4707	-1457
7	1	NESC MEDIUM NA+ (250B)	20	3	DTAP3	120	4707	-1458	0	0	0	120	4707	-1458
7	1	NESC MEDIUM NA+ (250B)	21	1	DTAP6	205	-4913	225	0	0	0	205	-4913	225
7	1	NESC MEDIUM NA+ (250B)	22	1	NTAP1	106	4707	-1459	0	0	0	106	4707	-1459
7	1	NESC MEDIUM NA+ (250B)	23	1	NTAP2	8	-4944	228	0	0	0	8	-4944	228
8	1	NESC MEDIUM NA- (250B)	1	1	SW	163	677	-1	81	339	2772	81	339	-2773
8	1	NESC MEDIUM NA- (250B)	3	1	TC	156	2725	66	36	1104	10635	120	1620	-10569
8	1	NESC MEDIUM NA- (250B)	3	2	MC	156	2709	67	36	1090	10636	120	1618	-10570
8	1	NESC MEDIUM NA- (250B)	3	3	BC	156	2692	68	36	1076	10638	120	1616	-10570
8	1	NESC MEDIUM NA- (250B)	5	1	D1	284	775	-6	132	410	4077	152	365	-4082
8	1	NESC MEDIUM NA- (250B)	5	2	D2	220	895	8	123	408	4077	98	487	-4069
8	1	NESC MEDIUM NA- (250B)	5	3	D3	156	928	13	113	405	4077	43	523	-4064
8	1	NESC MEDIUM NA- (250B)	7	1	N	138	491	0	84	240	2445	54	251	-2445
8	1	NESC MEDIUM NA- (250B)	8	1	ADSS	124	269	-3	70	138	1736	55	132	-1739
8	1	NESC MEDIUM NA- (250B)	9	1	CATV	159	257	-2	83	130	1621	76	127	-1623
8	1	NESC MEDIUM NA- (250B)	10	1	TELE	159	257	-2	83	130	1621	76	126	-1623
8	1	NESC MEDIUM NA- (250B)	20	1	DTAP1	66	4646	-1630	0	0	0	66	4646	-1630
8	1	NESC MEDIUM NA- (250B)	20	2	DTAP2	93	4646	-1631	0	0	0	93	4646	-1631
8	1	NESC MEDIUM NA- (250B)	20	3	DTAP3	120	4646	-1632	0	0	0	120	4646	-1632
8	1	NESC MEDIUM NA- (250B)	21	1	DTAP6	205	-4905	413	0	0	0	205	-4905	413
8	1	NESC MEDIUM NA- (250B)	22	1	NTAP1	106	4645	-1632	0	0	0	106	4645	-1632
8	1	NESC MEDIUM NA- (250B)	23	1	NTAP2	8	-4936	415	0	0	0	8	-4936	415
9	4	NCURRENT ICE/WIND NA+ (25	1	1	SW	329	831	6	155	398	2547	174	434	-2541
9	4	NCURRENT ICE/WIND NA+ (25	3	1	TC	343	2518	71	113	1024	8414	230	1494	-8343
9	4	NCURRENT ICE/WIND NA+ (25	3	2	MC	343	2505	72	113	1012	8415	230	1493	-8344
9	4	NCURRENT ICE/WIND NA+ (25	3	3	BC	343	2493	73	113	1001	8416	230	1491	-8344
9	4	NCURRENT ICE/WIND NA+ (25	5	1	D1	451	1132	3	205	556	4031	246	576	-4029
9	4	NCURRENT ICE/WIND NA+ (25	5	2	D2	370	1250	22	192	553	4032	177	696	-4010
9	4	NCURRENT ICE/WIND NA+ (25	5	3	D3	289	1283	29	180	551	4032	109	732	-4003
9	4	NCURRENT ICE/WIND NA+ (25	7	1	N	287	821	10	157	378	2578	129	442	-2568
9	4	NCURRENT ICE/WIND NA+ (25	8	1	ADSS	294	712	9	154	327	2177	140	385	-2167
9	4	NCURRENT ICE/WIND NA+ (25	9	1	CATV	312	613	8	157	281	1851	156	333	-1842
9	4	NCURRENT ICE/WIND NA+ (25	10	1	TELE	312	613	8	157	281	1851	156	333	-1842
9	4	NCURRENT ICE/WIND NA+ (25	20	1	DTAP1	128	3857	-1233	0	0	0	128	3857	-1233
9	4	NCURRENT ICE/WIND NA+ (25	20	2	DTAP2	156	3857	-1233	0	0	0	156	3857	-1233
9	4	NCURRENT ICE/WIND NA+ (25	20	3	DTAP3	184	3857	-1234	0	0	0	184	3857	-1234
9	4	NCURRENT ICE/WIND NA+ (25	21	1	DTAP6	276	-4069	225	0	0	0	276	-4069	225
9	4	NCURRENT ICE/WIND NA+ (25	22	1	NTAP1	170	3857	-1234	0	0	0	170	3857	-1234
9	4	NCURRENT ICE/WIND NA+ (25	23	1	NTAP2	68	-4082	226	0	0	0	68	-4082	226
10	4	NCURRENT ICE/WIND NA- (25	1	1	SW	329	677	1	155	334	2556	174	343	-2555
10	4	NCURRENT ICE/WIND NA- (25	3	1	TC	343	2281	58	113	926	8425	230	1355	-8367
10	4	NCURRENT ICE/WIND NA- (25	3	2	MC	343	2268	59	113	914	8426	230	1354	-8367
10	4	NCURRENT ICE/WIND NA- (25	3	3	BC	343	2256	60	113	903	8427	230	1352	-8367
10	4	NCURRENT ICE/WIND NA- (25	5	1	D1	451	918	-2	205	468	4042	246	450	-4045
10	4	NCURRENT ICE/WIND NA- (25	5	2	D2	370	1036	13	192	465	4043	177	571	-4029
10	4	NCURRENT ICE/WIND NA- (25	5	3	D3	289	1069	19	180	463	4043	109	606	-4024
10	4	NCURRENT ICE/WIND NA- (25	7	1	N	287	637	4	157	303	2588	129	334	-2584

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10	4	ONCURRENT ICE/WIND NA- (250	8	1	ADSS	294	518	2	154	247	2187	140	271	-2185
10	4	ONCURRENT ICE/WIND NA- (250	9	1	CATV	312	430	2	157	205	1861	156	225	-1859
10	4	ONCURRENT ICE/WIND NA- (250	10	1	TELE	312	430	2	157	205	1861	156	225	-1859
10	4	ONCURRENT ICE/WIND NA- (250	20	1	DTAP1	128	3832	-1305	0	0	0	128	3832	-1305
10	4	ONCURRENT ICE/WIND NA- (250	20	2	DTAP2	156	3832	-1306	0	0	0	156	3832	-1306
10	4	ONCURRENT ICE/WIND NA- (250	20	3	DTAP3	184	3832	-1306	0	0	0	184	3832	-1306
10	4	ONCURRENT ICE/WIND NA- (250	21	1	DTAP6	276	-4064	304	0	0	0	276	-4064	304
10	4	ONCURRENT ICE/WIND NA- (250	22	1	NTAP1	170	3832	-1307	0	0	0	170	3832	-1307
10	4	ONCURRENT ICE/WIND NA- (250	23	1	NTAP2	68	-4078	305	0	0	0	68	-4078	305
11	3	EXTREME WIND NA+ (250C)	1	1	SW	89	723	7	51	338	1807	38	384	-1799
11	3	EXTREME WIND NA+ (250C)	3	1	TC	-13	2667	87	-28	1095	6850	15	1573	-6763
11	3	EXTREME WIND NA+ (250C)	3	2	MC	-13	2644	88	-28	1080	6852	15	1564	-6764
11	3	EXTREME WIND NA+ (250C)	3	3	BC	-13	2619	88	-28	1065	6854	15	1554	-6766
11	3	EXTREME WIND NA+ (250C)	5	1	D1	98	1387	11	57	651	3398	41	736	-3387
11	3	EXTREME WIND NA+ (250C)	5	2	D2	29	1480	36	46	645	3399	-17	835	-3362
11	3	EXTREME WIND NA+ (250C)	5	3	D3	-40	1502	47	36	640	3399	-76	862	-3353
11	3	EXTREME WIND NA+ (250C)	7	1	N	10	901	17	36	405	2028	-25	496	-2011
11	3	EXTREME WIND NA+ (250C)	8	1	ADSS	-19	933	19	22	417	1929	-41	515	-1910
11	3	EXTREME WIND NA+ (250C)	9	1	CATV	30	740	15	35	330	1467	-5	411	-1452
11	3	EXTREME WIND NA+ (250C)	10	1	TELE	30	740	15	35	330	1467	-5	410	-1452
11	3	EXTREME WIND NA+ (250C)	20	1	DTAP1	15	2886	-752	0	0	0	15	2886	-752
11	3	EXTREME WIND NA+ (250C)	20	2	DTAP2	35	2885	-756	0	0	0	35	2885	-756
11	3	EXTREME WIND NA+ (250C)	20	3	DTAP3	56	2884	-759	0	0	0	56	2884	-759
11	3	EXTREME WIND NA+ (250C)	21	1	DTAP6	122	-3025	5	0	0	0	122	-3025	5
11	3	EXTREME WIND NA+ (250C)	22	1	NTAP1	46	2838	-746	0	0	0	46	2838	-746
11	3	EXTREME WIND NA+ (250C)	23	1	NTAP2	-30	-2968	8	0	0	0	-30	-2968	8
12	3	EXTREME WIND NA- (250C)	1	1	SW	89	352	-3	51	183	1829	38	169	-1832
12	3	EXTREME WIND NA- (250C)	3	1	TC	-13	1257	18	-28	499	6917	15	757	-6899
12	3	EXTREME WIND NA- (250C)	3	2	MC	-13	1259	19	-28	495	6917	15	764	-6897
12	3	EXTREME WIND NA- (250C)	3	3	BC	-13	1263	21	-28	492	6917	15	771	-6896
12	3	EXTREME WIND NA- (250C)	5	1	D1	98	352	-10	57	218	3452	41	134	-3462
12	3	EXTREME WIND NA- (250C)	5	2	D2	29	458	-3	46	219	3451	-17	239	-3455
12	3	EXTREME WIND NA- (250C)	5	3	D3	-40	492	1	36	220	3451	-76	272	-3450
12	3	EXTREME WIND NA- (250C)	7	1	N	10	254	-4	36	135	2064	-25	119	-2068
12	3	EXTREME WIND NA- (250C)	8	1	ADSS	-19	167	-6	22	96	1971	-41	71	-1977
12	3	EXTREME WIND NA- (250C)	9	1	CATV	30	94	-6	35	59	1503	-5	35	-1508
12	3	EXTREME WIND NA- (250C)	10	1	TELE	30	94	-6	35	59	1503	-5	35	-1508
12	3	EXTREME WIND NA- (250C)	20	1	DTAP1	15	2754	-1109	0	0	0	15	2754	-1109
12	3	EXTREME WIND NA- (250C)	20	2	DTAP2	35	2755	-1107	0	0	0	35	2755	-1107
12	3	EXTREME WIND NA- (250C)	20	3	DTAP3	56	2756	-1104	0	0	0	56	2756	-1104
12	3	EXTREME WIND NA- (250C)	21	1	DTAP6	122	-3014	388	0	0	0	122	-3014	388
12	3	EXTREME WIND NA- (250C)	22	1	NTAP1	46	2711	-1088	0	0	0	46	2711	-1088
12	3	EXTREME WIND NA- (250C)	23	1	NTAP2	-30	-2957	378	0	0	0	-30	-2957	378
13	6	EXTREME ICE	1	1	SW	296	646	3	139	314	2187	157	333	-2184
13	6	EXTREME ICE	3	1	TC	341	1989	53	117	808	6980	224	1181	-6927
13	6	EXTREME ICE	3	2	MC	341	1979	54	117	799	6981	224	1180	-6927
13	6	EXTREME ICE	3	3	BC	340	1968	55	117	789	6982	224	1179	-6927
13	6	EXTREME ICE	5	1	D1	415	867	0	187	433	3415	228	434	-3415
13	6	EXTREME ICE	5	2	D2	347	967	15	177	431	3415	170	536	-3400
13	6	EXTREME ICE	5	3	D3	278	995	20	166	429	3416	112	566	-3396
13	6	EXTREME ICE	7	1	N	266	621	6	143	290	2200	123	331	-2194
13	6	EXTREME ICE	8	1	ADSS	273	516	5	140	241	1831	133	275	-1826
13	6	EXTREME ICE	9	1	CATV	287	449	4	142	209	1598	145	240	-1594
13	6	EXTREME ICE	10	1	TELE	287	449	4	142	209	1598	145	240	-1594
13	6	EXTREME ICE	20	1	DTAP1	124	3055	-1008	0	0	0	124	3055	-1008
13	6	EXTREME ICE	20	2	DTAP2	146	3054	-1009	0	0	0	146	3054	-1009
13	6	EXTREME ICE	20	3	DTAP3	169	3054	-1009	0	0	0	169	3054	-1009
13	6	EXTREME ICE	21	1	DTAP6	242	-3238	210	0	0	0	242	-3238	210
13	6	EXTREME ICE	22	1	NTAP1	157	3054	-1010	0	0	0	157	3054	-1010
13	6	EXTREME ICE	23	1	NTAP2	77	-3250	212	0	0	0	77	-3250	212
14	9	UPLIFT	1	1	SW	72	356	2	39	173	1205	33	183	-1204
14	9	UPLIFT	3	1	TC	-21	1843	49	-30	749	6468	9	1095	-6419
14	9	UPLIFT	3	2	MC	-21	1834	50	-30	740	6469	9	1093	-6419

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14	9	UPLIFT	3	3	BC	-21	1824	51	-30	732	6470	9	1092	-6419
14	9	UPLIFT	5	1	D1	121	405	0	58	202	1594	63	203	-1594
14	9	UPLIFT	5	2	D2	89	451	7	53	201	1595	36	250	-1588
14	9	UPLIFT	5	3	D3	57	464	9	48	200	1595	9	264	-1585
14	9	UPLIFT	7	1	N	50	200	2	32	93	707	19	106	-705
14	9	UPLIFT	8	1	ADSS	36	75	1	19	35	267	17	40	-267
14	9	UPLIFT	9	1	CATV	61	112	1	31	52	399	30	60	-398
14	9	UPLIFT	10	1	TELE	61	112	1	31	52	399	30	60	-398
14	9	UPLIFT	20	1	DTAP1	6	2975	-982	0	0	0	6	2975	-982
14	9	UPLIFT	20	2	DTAP2	28	2975	-982	0	0	0	28	2975	-982
14	9	UPLIFT	20	3	DTAP3	50	2975	-983	0	0	0	50	2975	-983
14	9	UPLIFT	21	1	DTAP6	117	-3089	201	0	0	0	117	-3089	201
14	9	UPLIFT	22	1	NTAP1	39	2974	-983	0	0	0	39	2974	-983
14	9	UPLIFT	23	1	NTAP2	-41	-3120	203	0	0	0	-41	-3120	203
15	28	CAMBER	1	1	SW	63	225	1	32	109	763	31	116	-762
15	28	CAMBER	3	1	TC	104	997	27	32	405	3497	72	592	-3470
15	28	CAMBER	3	2	MC	104	991	27	32	400	3497	72	591	-3470
15	28	CAMBER	3	3	BC	104	986	28	32	395	3498	72	591	-3470
15	28	CAMBER	5	1	D1	131	288	0	60	144	1134	71	144	-1134
15	28	CAMBER	5	2	D2	108	321	5	56	143	1134	52	178	-1129
15	28	CAMBER	5	3	D3	85	330	7	53	142	1134	33	188	-1128
15	28	CAMBER	7	1	N	57	150	1	31	70	530	25	80	-528
15	28	CAMBER	8	1	ADSS	38	64	1	19	30	225	19	34	-225
15	28	CAMBER	9	1	CATV	63	99	1	31	46	352	31	53	-351
15	28	CAMBER	10	1	TELE	63	99	1	31	46	352	31	53	-351
15	28	CAMBER	20	1	DTAP1	39	1106	-365	0	0	0	39	1106	-365
15	28	CAMBER	20	2	DTAP2	47	1106	-365	0	0	0	47	1106	-365
15	28	CAMBER	20	3	DTAP3	55	1106	-365	0	0	0	55	1106	-365
15	28	CAMBER	21	1	DTAP6	82	-1173	76	0	0	0	82	-1173	76
15	28	CAMBER	22	1	NTAP1	51	1104	-365	0	0	0	51	1104	-365
15	28	CAMBER	23	1	NTAP2	22	-1181	77	0	0	0	22	-1181	77
16	8	BLOWOUT DEFLECTION NA+	1	1	SW	65	290	2	34	138	864	31	152	-861
16	8	BLOWOUT DEFLECTION NA+	3	1	TC	93	1204	36	26	490	3755	67	714	-3719
16	8	BLOWOUT DEFLECTION NA+	3	2	MC	93	1198	36	26	485	3756	67	713	-3720
16	8	BLOWOUT DEFLECTION NA+	3	3	BC	93	1192	37	26	480	3756	67	712	-3720
16	8	BLOWOUT DEFLECTION NA+	5	1	D1	126	447	2	59	214	1346	68	233	-1343
16	8	BLOWOUT DEFLECTION NA+	5	2	D2	99	486	10	55	213	1346	45	273	-1336
16	8	BLOWOUT DEFLECTION NA+	5	3	D3	72	497	13	50	212	1346	22	285	-1333
16	8	BLOWOUT DEFLECTION NA+	7	1	N	50	268	4	32	121	705	19	147	-701
16	8	BLOWOUT DEFLECTION NA+	8	1	ADSS	29	215	4	19	96	473	10	119	-468
16	8	BLOWOUT DEFLECTION NA+	9	1	CATV	58	203	4	31	91	475	27	112	-471
16	8	BLOWOUT DEFLECTION NA+	10	1	TELE	58	203	4	31	91	475	27	112	-471
16	8	BLOWOUT DEFLECTION NA+	20	1	DTAP1	36	1287	-386	0	0	0	36	1287	-386
16	8	BLOWOUT DEFLECTION NA+	20	2	DTAP2	45	1287	-386	0	0	0	45	1287	-386
16	8	BLOWOUT DEFLECTION NA+	20	3	DTAP3	55	1287	-386	0	0	0	55	1287	-386
16	8	BLOWOUT DEFLECTION NA+	21	1	DTAP6	85	-1351	50	0	0	0	85	-1351	50
16	8	BLOWOUT DEFLECTION NA+	22	1	NTAP1	50	1284	-385	0	0	0	50	1284	-385
16	8	BLOWOUT DEFLECTION NA+	23	1	NTAP2	16	-1361	51	0	0	0	16	-1361	51
17	8	BLOWOUT DEFLECTION NA-	1	1	SW	65	222	0	34	110	868	31	112	-868
17	8	BLOWOUT DEFLECTION NA-	3	1	TC	93	940	22	26	381	3767	67	559	-3745
17	8	BLOWOUT DEFLECTION NA-	3	2	MC	93	934	22	26	376	3768	67	559	-3745
17	8	BLOWOUT DEFLECTION NA-	3	3	BC	93	929	23	26	371	3768	67	558	-3745
17	8	BLOWOUT DEFLECTION NA-	5	1	D1	126	239	-2	59	129	1356	68	110	-1359
17	8	BLOWOUT DEFLECTION NA-	5	2	D2	99	279	2	55	128	1356	45	151	-1355
17	8	BLOWOUT DEFLECTION NA-	5	3	D3	72	290	4	50	127	1357	22	163	-1353
17	8	BLOWOUT DEFLECTION NA-	7	1	N	50	132	0	32	66	713	19	67	-713
17	8	BLOWOUT DEFLECTION NA-	8	1	ADSS	29	54	-1	19	30	481	10	24	-483
17	8	BLOWOUT DEFLECTION NA-	9	1	CATV	58	67	-1	31	35	483	27	32	-484
17	8	BLOWOUT DEFLECTION NA-	10	1	TELE	58	67	-1	31	35	483	27	32	-484
17	8	BLOWOUT DEFLECTION NA-	20	1	DTAP1	36	1262	-456	0	0	0	36	1262	-456
17	8	BLOWOUT DEFLECTION NA-	20	2	DTAP2	45	1262	-456	0	0	0	45	1262	-456
17	8	BLOWOUT DEFLECTION NA-	20	3	DTAP3	55	1262	-456	0	0	0	55	1262	-456
17	8	BLOWOUT DEFLECTION NA-	21	1	DTAP6	85	-1348	126	0	0	0	85	-1348	126

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17	8	BLOWOUT DEFLECTION NA-	22	1	NTAP1	50	1258	-455	0	0	0	50	1258	-455
17	8	BLOWOUT DEFLECTION NA-	23	1	NTAP2	16	-1359	126	0	0	0	16	-1359	126

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	S1	89	826	2668	89	826	2668	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	1	C1	334	3461	10118	334	3461	10118	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	2	C2	334	3468	10116	334	3468	10116	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	3	C3	334	3474	10114	334	3474	10114	0	0	0
7	1	NESC MEDIUM NA+ (250B)	6	1	DTAP1	91	1198	3918	91	1198	3918	0	0	0
7	1	NESC MEDIUM NA+ (250B)	6	2	DTAP2	87	1276	3893	87	1276	3893	0	0	0
7	1	NESC MEDIUM NA+ (250B)	6	3	DTAP3	90	1196	3919	90	1196	3919	0	0	0
7	1	NESC MEDIUM NA+ (250B)	11	1	S11	135	843	-2606	0	0	0	135	843	-2606
7	1	NESC MEDIUM NA+ (250B)	15	1	C11	577	2986	-10343	0	0	0	577	2986	-10343
7	1	NESC MEDIUM NA+ (250B)	15	2	C22	577	2983	-10344	0	0	0	577	2983	-10344
7	1	NESC MEDIUM NA+ (250B)	15	3	C33	577	2980	-10345	0	0	0	577	2980	-10345
7	1	NESC MEDIUM NA+ (250B)	21	1	D1	193	-1609	4666	0	0	0	193	-1609	4666
7	1	NESC MEDIUM NA+ (250B)	21	2	D2	193	-1611	4665	0	0	0	193	-1611	4665
7	1	NESC MEDIUM NA+ (250B)	21	3	D3	193	-1612	4665	0	0	0	193	-1612	4665
7	1	NESC MEDIUM NA+ (250B)	22	1	D4	172	-1345	3888	0	0	0	172	-1345	3888
7	1	NESC MEDIUM NA+ (250B)	22	2	D5	172	-1341	3890	0	0	0	172	-1341	3890
7	1	NESC MEDIUM NA+ (250B)	22	3	D6	172	-1336	3891	0	0	0	172	-1336	3891
7	1	NESC MEDIUM NA+ (250B)	25	1	N1	37	763	2335	37	763	2335	0	0	0
7	1	NESC MEDIUM NA+ (250B)	31	1	D11	314	1577	-4677	0	0	0	314	1577	-4677
7	1	NESC MEDIUM NA+ (250B)	31	2	D22	281	1487	-4706	0	0	0	281	1487	-4706
7	1	NESC MEDIUM NA+ (250B)	31	3	D33	247	1578	-4676	0	0	0	247	1578	-4676
7	1	NESC MEDIUM NA+ (250B)	32	1	D44	240	1302	-3891	0	0	0	240	1302	-3891
7	1	NESC MEDIUM NA+ (250B)	32	2	D55	240	1268	-3902	0	0	0	240	1268	-3902
7	1	NESC MEDIUM NA+ (250B)	32	3	D66	240	1302	-3891	0	0	0	240	1302	-3891
7	1	NESC MEDIUM NA+ (250B)	35	1	N11	126	800	-2326	0	0	0	126	800	-2326
7	1	NESC MEDIUM NA+ (250B)	41	1	CATV1	47	525	1539	47	525	1539	0	0	0
7	1	NESC MEDIUM NA+ (250B)	42	1	TELE1	47	525	1539	47	525	1539	0	0	0
7	1	NESC MEDIUM NA+ (250B)	43	1	ADSS1	36	564	1648	36	564	1648	0	0	0
7	1	NESC MEDIUM NA+ (250B)	45	1	N2	57	-821	2332	0	0	0	57	-821	2332
7	1	NESC MEDIUM NA+ (250B)	51	1	CATV11	134	578	-1531	0	0	0	134	578	-1531
7	1	NESC MEDIUM NA+ (250B)	52	1	TELE11	134	578	-1531	0	0	0	134	578	-1531
7	1	NESC MEDIUM NA+ (250B)	53	1	ADSS11	110	626	-1645	0	0	0	110	626	-1645
8	1	NESC MEDIUM NA- (250B)	1	1	S1	89	743	2691	89	743	2691	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	1	C1	334	3281	10175	334	3281	10175	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	2	C2	334	3288	10172	334	3288	10172	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	3	C3	334	3295	10170	334	3295	10170	0	0	0
8	1	NESC MEDIUM NA- (250B)	6	1	DTAP1	91	1046	3960	91	1046	3960	0	0	0
8	1	NESC MEDIUM NA- (250B)	6	2	DTAP2	87	1130	3937	87	1130	3937	0	0	0
8	1	NESC MEDIUM NA- (250B)	6	3	DTAP3	90	1045	3961	90	1045	3961	0	0	0
8	1	NESC MEDIUM NA- (250B)	11	1	S11	135	646	-2661	0	0	0	135	646	-2661
8	1	NESC MEDIUM NA- (250B)	15	1	C11	577	2558	-10455	0	0	0	577	2558	-10455
8	1	NESC MEDIUM NA- (250B)	15	2	C22	577	2555	-10455	0	0	0	577	2555	-10455
8	1	NESC MEDIUM NA- (250B)	15	3	C33	577	2552	-10456	0	0	0	577	2552	-10456
8	1	NESC MEDIUM NA- (250B)	21	1	D1	193	-1432	4724	0	0	0	193	-1432	4724
8	1	NESC MEDIUM NA- (250B)	21	2	D2	193	-1433	4724	0	0	0	193	-1433	4724
8	1	NESC MEDIUM NA- (250B)	21	3	D3	193	-1435	4723	0	0	0	193	-1435	4723
8	1	NESC MEDIUM NA- (250B)	22	1	D4	172	-1168	3946	0	0	0	172	-1168	3946
8	1	NESC MEDIUM NA- (250B)	22	2	D5	172	-1164	3948	0	0	0	172	-1164	3948
8	1	NESC MEDIUM NA- (250B)	22	3	D6	172	-1160	3949	0	0	0	172	-1160	3949
8	1	NESC MEDIUM NA- (250B)	25	1	N1	37	647	2368	37	647	2368	0	0	0
8	1	NESC MEDIUM NA- (250B)	31	1	D11	314	1221	-4781	0	0	0	314	1221	-4781
8	1	NESC MEDIUM NA- (250B)	31	2	D22	281	1129	-4803	0	0	0	281	1129	-4803
8	1	NESC MEDIUM NA- (250B)	31	3	D33	247	1222	-4780	0	0	0	247	1222	-4780
8	1	NESC MEDIUM NA- (250B)	32	1	D44	240	947	-3991	0	0	0	240	947	-3991
8	1	NESC MEDIUM NA- (250B)	32	2	D55	240	913	-3999	0	0	0	240	913	-3999
8	1	NESC MEDIUM NA- (250B)	32	3	D66	240	947	-3991	0	0	0	240	947	-3991
8	1	NESC MEDIUM NA- (250B)	35	1	N11	126	522	-2402	0	0	0	126	522	-2402
8	1	NESC MEDIUM NA- (250B)	41	1	CATV1	47	409	1573	47	409	1573	0	0	0
8	1	NESC MEDIUM NA- (250B)	42	1	TELE1	47	409	1573	47	409	1573	0	0	0

8	1	NESC MEDIUM NA- (250B)	43	1	ADSS1	36	436	1685	36	436	1685	0	0	0
8	1	NESC MEDIUM NA- (250B)	45	1	N2	57	-684	2377	0	0	0	57	-684	2377
8	1	NESC MEDIUM NA- (250B)	51	1	CATV11	134	300	-1607	0	0	0	134	300	-1607
8	1	NESC MEDIUM NA- (250B)	52	1	TELE11	134	300	-1607	0	0	0	134	300	-1607
8	1	NESC MEDIUM NA- (250B)	53	1	ADSS11	110	318	-1730	0	0	0	110	318	-1730
9	4	NCURRENT ICE/WIND NA+ (25	1	1	S1	154	747	2467	154	747	2467	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	5	1	C1	378	2707	8032	378	2707	8032	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	5	2	C2	378	2712	8030	378	2712	8030	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	5	3	C3	378	2718	8029	378	2718	8029	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	6	1	DTAP1	139	1146	3905	139	1146	3905	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	6	2	DTAP2	134	1226	3880	134	1226	3880	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	6	3	DTAP3	138	1144	3905	138	1144	3905	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	11	1	S11	264	753	-2454	0	0	0	264	753	-2454
9	4	NCURRENT ICE/WIND NA+ (25	15	1	C11	697	2290	-8253	0	0	0	697	2290	-8253
9	4	NCURRENT ICE/WIND NA+ (25	15	2	C22	697	2287	-8253	0	0	0	697	2287	-8253
9	4	NCURRENT ICE/WIND NA+ (25	15	3	C33	697	2285	-8254	0	0	0	697	2285	-8254
9	4	NCURRENT ICE/WIND NA+ (25	21	1	D1	264	-1298	3880	0	0	0	264	-1298	3880
9	4	NCURRENT ICE/WIND NA+ (25	21	2	D2	264	-1299	3880	0	0	0	264	-1299	3880
9	4	NCURRENT ICE/WIND NA+ (25	21	3	D3	264	-1301	3879	0	0	0	264	-1301	3879
9	4	NCURRENT ICE/WIND NA+ (25	22	1	D4	244	-1145	3440	0	0	0	244	-1145	3440
9	4	NCURRENT ICE/WIND NA+ (25	22	2	D5	244	-1141	3441	0	0	0	244	-1141	3441
9	4	NCURRENT ICE/WIND NA+ (25	22	3	D6	244	-1137	3442	0	0	0	244	-1137	3442
9	4	NCURRENT ICE/WIND NA+ (25	25	1	N1	75	775	2487	75	775	2487	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	31	1	D11	458	1388	-4418	0	0	0	458	1388	-4418
9	4	NCURRENT ICE/WIND NA+ (25	31	2	D22	418	1303	-4444	0	0	0	418	1303	-4444
9	4	NCURRENT ICE/WIND NA+ (25	31	3	D33	377	1389	-4418	0	0	0	377	1389	-4418
9	4	NCURRENT ICE/WIND NA+ (25	32	1	D44	368	1197	-3914	0	0	0	368	1197	-3914
9	4	NCURRENT ICE/WIND NA+ (25	32	2	D55	368	1163	-3924	0	0	0	368	1163	-3924
9	4	NCURRENT ICE/WIND NA+ (25	32	3	D66	368	1197	-3914	0	0	0	368	1197	-3914
9	4	NCURRENT ICE/WIND NA+ (25	35	1	N11	241	770	-2504	0	0	0	241	770	-2504
9	4	NCURRENT ICE/WIND NA+ (25	41	1	CATV1	86	565	1785	86	565	1785	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	42	1	TELE1	86	565	1785	86	565	1785	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	43	1	ADSS1	79	660	2100	79	660	2100	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	45	1	N2	115	-733	2182	0	0	0	115	-733	2182
9	4	NCURRENT ICE/WIND NA+ (25	51	1	CATV11	251	570	-1789	0	0	0	251	570	-1789
9	4	NCURRENT ICE/WIND NA+ (25	52	1	TELE11	251	570	-1789	0	0	0	251	570	-1789
9	4	NCURRENT ICE/WIND NA+ (25	53	1	ADSS11	242	666	-2120	0	0	0	242	666	-2120
10	4	NCURRENT ICE/WIND NA- (25	1	1	S1	154	701	2480	154	701	2480	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	5	1	C1	378	2638	8054	378	2638	8054	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	5	2	C2	378	2643	8053	378	2643	8053	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	5	3	C3	378	2648	8051	378	2648	8051	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	6	1	DTAP1	139	1083	3922	139	1083	3922	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	6	2	DTAP2	134	1165	3899	134	1165	3899	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	6	3	DTAP3	138	1081	3923	138	1081	3923	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	11	1	S11	264	644	-2485	0	0	0	264	644	-2485
10	4	NCURRENT ICE/WIND NA- (25	15	1	C11	697	2122	-8297	0	0	0	697	2122	-8297
10	4	NCURRENT ICE/WIND NA- (25	15	2	C22	697	2120	-8297	0	0	0	697	2120	-8297
10	4	NCURRENT ICE/WIND NA- (25	15	3	C33	697	2117	-8298	0	0	0	697	2117	-8298
10	4	NCURRENT ICE/WIND NA- (25	21	1	D1	264	-1223	3905	0	0	0	264	-1223	3905
10	4	NCURRENT ICE/WIND NA- (25	21	2	D2	264	-1224	3904	0	0	0	264	-1224	3904
10	4	NCURRENT ICE/WIND NA- (25	21	3	D3	264	-1225	3904	0	0	0	264	-1225	3904
10	4	NCURRENT ICE/WIND NA- (25	22	1	D4	244	-1070	3464	0	0	0	244	-1070	3464
10	4	NCURRENT ICE/WIND NA- (25	22	2	D5	244	-1066	3465	0	0	0	244	-1066	3465
10	4	NCURRENT ICE/WIND NA- (25	22	3	D6	244	-1062	3466	0	0	0	244	-1062	3466
10	4	NCURRENT ICE/WIND NA- (25	25	1	N1	75	721	2503	75	721	2503	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	31	1	D11	458	1240	-4462	0	0	0	458	1240	-4462
10	4	NCURRENT ICE/WIND NA- (25	31	2	D22	418	1153	-4485	0	0	0	418	1153	-4485
10	4	NCURRENT ICE/WIND NA- (25	31	3	D33	377	1240	-4462	0	0	0	377	1240	-4462
10	4	NCURRENT ICE/WIND NA- (25	32	1	D44	368	1049	-3956	0	0	0	368	1049	-3956
10	4	NCURRENT ICE/WIND NA- (25	32	2	D55	368	1014	-3965	0	0	0	368	1014	-3965
10	4	NCURRENT ICE/WIND NA- (25	32	3	D66	368	1049	-3956	0	0	0	368	1049	-3956
10	4	NCURRENT ICE/WIND NA- (25	35	1	N11	241	641	-2540	0	0	0	241	641	-2540
10	4	NCURRENT ICE/WIND NA- (25	41	1	CATV1	86	511	1800	86	511	1800	0	0	0

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10	4	NCURRENT ICE/WIND NA- (25	42	1	TELE1	86	511	1800	86	511	1800	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	43	1	ADSS1	79	604	2116	79	604	2116	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	45	1	N2	115	-668	2203	0	0	0	115	-668	2203
10	4	NCURRENT ICE/WIND NA- (25	51	1	CATV11	251	441	-1825	0	0	0	251	441	-1825
10	4	NCURRENT ICE/WIND NA- (25	52	1	TELE11	251	441	-1825	0	0	0	251	441	-1825
10	4	NCURRENT ICE/WIND NA- (25	53	1	ADSS11	242	530	-2158	0	0	0	242	530	-2158
11	3	EXTREME WIND NA+ (250C)	1	1	S1	67	577	1745	67	577	1745	0	0	0
11	3	EXTREME WIND NA+ (250C)	5	1	C1	223	2416	6506	223	2416	6506	0	0	0
11	3	EXTREME WIND NA+ (250C)	5	2	C2	223	2417	6506	223	2417	6506	0	0	0
11	3	EXTREME WIND NA+ (250C)	5	3	C3	223	2418	6505	223	2418	6505	0	0	0
11	3	EXTREME WIND NA+ (250C)	6	1	DTAP1	33	1106	3276	33	1106	3276	0	0	0
11	3	EXTREME WIND NA+ (250C)	6	2	DTAP2	31	1169	3254	31	1169	3254	0	0	0
11	3	EXTREME WIND NA+ (250C)	6	3	DTAP3	32	1104	3277	32	1104	3277	0	0	0
11	3	EXTREME WIND NA+ (250C)	11	1	S11	83	631	-1725	0	0	0	83	631	-1725
11	3	EXTREME WIND NA+ (250C)	15	1	C11	361	2330	-6721	0	0	0	361	2330	-6721
11	3	EXTREME WIND NA+ (250C)	15	2	C22	361	2320	-6724	0	0	0	361	2320	-6724
11	3	EXTREME WIND NA+ (250C)	15	3	C33	361	2309	-6727	0	0	0	361	2309	-6727
11	3	EXTREME WIND NA+ (250C)	21	1	D1	113	-1153	2917	0	0	0	113	-1153	2917
11	3	EXTREME WIND NA+ (250C)	21	2	D2	113	-1152	2918	0	0	0	113	-1152	2918
11	3	EXTREME WIND NA+ (250C)	21	3	D3	113	-1150	2918	0	0	0	113	-1150	2918
11	3	EXTREME WIND NA+ (250C)	22	1	D4	98	-1027	2585	0	0	0	98	-1027	2585
11	3	EXTREME WIND NA+ (250C)	22	2	D5	98	-1024	2586	0	0	0	98	-1024	2586
11	3	EXTREME WIND NA+ (250C)	22	3	D6	98	-1021	2587	0	0	0	98	-1021	2587
11	3	EXTREME WIND NA+ (250C)	25	1	N1	-4	696	1947	-4	696	1947	0	0	0
11	3	EXTREME WIND NA+ (250C)	31	1	D11	184	1480	-3659	0	0	0	184	1480	-3659
11	3	EXTREME WIND NA+ (250C)	31	2	D22	150	1406	-3688	0	0	0	150	1406	-3688
11	3	EXTREME WIND NA+ (250C)	31	3	D33	116	1473	-3662	0	0	0	116	1473	-3662
11	3	EXTREME WIND NA+ (250C)	32	1	D44	109	1304	-3248	0	0	0	109	1304	-3248
11	3	EXTREME WIND NA+ (250C)	32	2	D55	109	1276	-3259	0	0	0	109	1276	-3259
11	3	EXTREME WIND NA+ (250C)	32	3	D66	109	1304	-3248	0	0	0	109	1304	-3248
11	3	EXTREME WIND NA+ (250C)	35	1	N11	36	787	-1937	0	0	0	36	787	-1937
11	3	EXTREME WIND NA+ (250C)	41	1	CATV1	5	533	1405	5	533	1405	0	0	0
11	3	EXTREME WIND NA+ (250C)	42	1	TELE1	5	533	1405	5	533	1405	0	0	0
11	3	EXTREME WIND NA+ (250C)	43	1	ADSS1	-12	686	1849	-12	686	1849	0	0	0
11	3	EXTREME WIND NA+ (250C)	45	1	N2	13	-635	1595	0	0	0	13	-635	1595
11	3	EXTREME WIND NA+ (250C)	51	1	CATV11	44	630	-1385	0	0	0	44	630	-1385
11	3	EXTREME WIND NA+ (250C)	52	1	TELE11	44	630	-1385	0	0	0	44	630	-1385
11	3	EXTREME WIND NA+ (250C)	53	1	ADSS11	14	803	-1840	0	0	0	14	803	-1840
12	3	EXTREME WIND NA- (250C)	1	1	S1	67	454	1779	67	454	1779	0	0	0
12	3	EXTREME WIND NA- (250C)	5	1	C1	223	1954	6646	223	1954	6646	0	0	0
12	3	EXTREME WIND NA- (250C)	5	2	C2	223	1961	6644	223	1961	6644	0	0	0
12	3	EXTREME WIND NA- (250C)	5	3	C3	223	1969	6641	223	1969	6641	0	0	0
12	3	EXTREME WIND NA- (250C)	6	1	DTAP1	33	785	3364	33	785	3364	0	0	0
12	3	EXTREME WIND NA- (250C)	6	2	DTAP2	31	859	3345	31	859	3345	0	0	0
12	3	EXTREME WIND NA- (250C)	6	3	DTAP3	32	785	3364	32	785	3364	0	0	0
12	3	EXTREME WIND NA- (250C)	11	1	S11	83	365	-1798	0	0	0	83	365	-1798
12	3	EXTREME WIND NA- (250C)	15	1	C11	361	1322	-6979	0	0	0	361	1322	-6979
12	3	EXTREME WIND NA- (250C)	15	2	C22	361	1328	-6977	0	0	0	361	1328	-6977
12	3	EXTREME WIND NA- (250C)	15	3	C33	361	1335	-6975	0	0	0	361	1335	-6975
12	3	EXTREME WIND NA- (250C)	21	1	D1	113	-777	3044	0	0	0	113	-777	3044
12	3	EXTREME WIND NA- (250C)	21	2	D2	113	-781	3043	0	0	0	113	-781	3043
12	3	EXTREME WIND NA- (250C)	21	3	D3	113	-785	3042	0	0	0	113	-785	3042
12	3	EXTREME WIND NA- (250C)	22	1	D4	98	-670	2704	0	0	0	98	-670	2704
12	3	EXTREME WIND NA- (250C)	22	2	D5	98	-667	2705	0	0	0	98	-667	2705
12	3	EXTREME WIND NA- (250C)	22	3	D6	98	-664	2705	0	0	0	98	-664	2705
12	3	EXTREME WIND NA- (250C)	25	1	N1	-4	489	2006	-4	489	2006	0	0	0
12	3	EXTREME WIND NA- (250C)	31	1	D11	184	748	-3871	0	0	0	184	748	-3871
12	3	EXTREME WIND NA- (250C)	31	2	D22	150	677	-3885	0	0	0	150	677	-3885
12	3	EXTREME WIND NA- (250C)	31	3	D33	116	757	-3869	0	0	0	116	757	-3869
12	3	EXTREME WIND NA- (250C)	32	1	D44	109	606	-3443	0	0	0	109	606	-3443
12	3	EXTREME WIND NA- (250C)	32	2	D55	109	576	-3448	0	0	0	109	576	-3448
12	3	EXTREME WIND NA- (250C)	32	3	D66	109	606	-3443	0	0	0	109	606	-3443
12	3	EXTREME WIND NA- (250C)	35	1	N11	36	332	-2061	0	0	0	36	332	-2061

12	3	EXTREME WIND NA- (250C)	41	1	CATV1	5	327	1463	5	327	1463	0	0	0
12	3	EXTREME WIND NA- (250C)	42	1	TELE1	5	327	1463	5	327	1463	0	0	0
12	3	EXTREME WIND NA- (250C)	43	1	ADSS1	-12	443	1918	-12	443	1918	0	0	0
12	3	EXTREME WIND NA- (250C)	45	1	N2	13	-409	1671	0	0	0	13	-409	1671
12	3	EXTREME WIND NA- (250C)	51	1	CATV11	44	179	-1507	0	0	0	44	179	-1507
12	3	EXTREME WIND NA- (250C)	52	1	TELE11	44	179	-1507	0	0	0	44	179	-1507
12	3	EXTREME WIND NA- (250C)	53	1	ADSS11	14	268	-1986	0	0	0	14	268	-1986
13	6	EXTREME ICE	1	1	S1	137	620	2120	137	620	2120	0	0	0
13	6	EXTREME ICE	5	1	C1	331	2216	6668	331	2216	6668	0	0	0
13	6	EXTREME ICE	5	2	C2	330	2220	6667	330	2220	6667	0	0	0
13	6	EXTREME ICE	5	3	C3	330	2224	6665	330	2224	6665	0	0	0
13	6	EXTREME ICE	6	1	DTAP1	128	943	3311	128	943	3311	0	0	0
13	6	EXTREME ICE	6	2	DTAP2	123	1011	3291	123	1011	3291	0	0	0
13	6	EXTREME ICE	6	3	DTAP3	127	941	3311	127	941	3311	0	0	0
13	6	EXTREME ICE	11	1	S11	237	599	-2118	0	0	0	237	599	-2118
13	6	EXTREME ICE	15	1	C11	619	1833	-6877	0	0	0	619	1833	-6877
13	6	EXTREME ICE	15	2	C22	619	1831	-6878	0	0	0	619	1831	-6878
13	6	EXTREME ICE	15	3	C33	619	1829	-6879	0	0	0	619	1829	-6879
13	6	EXTREME ICE	21	1	D1	233	-1005	3104	0	0	0	233	-1005	3104
13	6	EXTREME ICE	21	2	D2	233	-1006	3104	0	0	0	233	-1006	3104
13	6	EXTREME ICE	21	3	D3	233	-1007	3104	0	0	0	233	-1007	3104
13	6	EXTREME ICE	22	1	D4	218	-888	2769	0	0	0	218	-888	2769
13	6	EXTREME ICE	22	2	D5	218	-885	2770	0	0	0	218	-885	2770
13	6	EXTREME ICE	22	3	D6	217	-882	2771	0	0	0	217	-882	2771
13	6	EXTREME ICE	25	1	N1	70	637	2126	70	637	2126	0	0	0
13	6	EXTREME ICE	31	1	D11	412	1103	-3727	0	0	0	412	1103	-3727
13	6	EXTREME ICE	31	2	D22	378	1031	-3747	0	0	0	378	1031	-3747
13	6	EXTREME ICE	31	3	D33	344	1103	-3727	0	0	0	344	1103	-3727
13	6	EXTREME ICE	32	1	D44	336	952	-3336	0	0	0	336	952	-3336
13	6	EXTREME ICE	32	2	D55	336	923	-3344	0	0	0	336	923	-3344
13	6	EXTREME ICE	32	3	D66	336	952	-3336	0	0	0	336	952	-3336
13	6	EXTREME ICE	35	1	N11	221	602	-2152	0	0	0	221	602	-2152
13	6	EXTREME ICE	41	1	CATV1	80	463	1544	80	463	1544	0	0	0
13	6	EXTREME ICE	42	1	TELE1	80	463	1544	80	463	1544	0	0	0
13	6	EXTREME ICE	43	1	ADSS1	75	530	1769	75	530	1769	0	0	0
13	6	EXTREME ICE	45	1	N2	107	-574	1797	0	0	0	107	-574	1797
13	6	EXTREME ICE	51	1	CATV11	230	435	-1557	0	0	0	230	435	-1557
13	6	EXTREME ICE	52	1	TELE11	230	435	-1557	0	0	0	230	435	-1557
13	6	EXTREME ICE	53	1	ADSS11	222	503	-1799	0	0	0	222	503	-1799
14	9	UPLIFT	1	1	S1	49	342	1168	49	342	1168	0	0	0
14	9	UPLIFT	5	1	C1	207	2053	6179	207	2053	6179	0	0	0
14	9	UPLIFT	5	2	C2	207	2057	6178	207	2057	6178	0	0	0
14	9	UPLIFT	5	3	C3	207	2061	6176	207	2061	6176	0	0	0
14	9	UPLIFT	6	1	DTAP1	40	440	1546	40	440	1546	0	0	0
14	9	UPLIFT	6	2	DTAP2	38	472	1536	38	472	1536	0	0	0
14	9	UPLIFT	6	3	DTAP3	39	440	1546	39	440	1546	0	0	0
14	9	UPLIFT	11	1	S11	62	307	-1088	0	0	0	62	307	-1088
14	9	UPLIFT	15	1	C11	329	1675	-6283	0	0	0	329	1675	-6283
14	9	UPLIFT	15	2	C22	329	1673	-6284	0	0	0	329	1673	-6284
14	9	UPLIFT	15	3	C33	329	1671	-6284	0	0	0	329	1671	-6284
14	9	UPLIFT	21	1	D1	106	-954	2945	0	0	0	106	-954	2945
14	9	UPLIFT	21	2	D2	106	-955	2944	0	0	0	106	-955	2944
14	9	UPLIFT	21	3	D3	106	-955	2944	0	0	0	106	-955	2944
14	9	UPLIFT	22	1	D4	88	-724	2256	0	0	0	88	-724	2256
14	9	UPLIFT	22	2	D5	88	-721	2257	0	0	0	88	-721	2257
14	9	UPLIFT	22	3	D6	88	-719	2258	0	0	0	88	-719	2258
14	9	UPLIFT	25	1	N1	15	205	683	15	205	683	0	0	0
14	9	UPLIFT	31	1	D11	147	632	-2135	0	0	0	147	632	-2135
14	9	UPLIFT	31	2	D22	127	590	-2147	0	0	0	127	590	-2147
14	9	UPLIFT	31	3	D33	108	632	-2135	0	0	0	108	632	-2135
14	9	UPLIFT	32	1	D44	106	435	-1524	0	0	0	106	435	-1524
14	9	UPLIFT	32	2	D55	106	422	-1528	0	0	0	106	422	-1528
14	9	UPLIFT	32	3	D66	106	435	-1524	0	0	0	106	435	-1524

14	9	UPLIFT	35	1	N11	48	189	-676	0	0	0	48	189	-676
14	9	UPLIFT	41	1	CATV1	20	116	385	20	116	385	0	0	0
14	9	UPLIFT	42	1	TELE1	20	116	385	20	116	385	0	0	0
14	9	UPLIFT	43	1	ADSS1	14	77	258	14	77	258	0	0	0
14	9	UPLIFT	45	1	N2	16	-368	1151	0	0	0	16	-368	1151
14	9	UPLIFT	51	1	CATV11	52	109	-389	0	0	0	52	109	-389
14	9	UPLIFT	52	1	TELE11	52	109	-389	0	0	0	52	109	-389
14	9	UPLIFT	53	1	ADSS11	33	73	-263	0	0	0	33	73	-263
15	28	CAMBER	1	1	S1	36	216	739	36	216	739	0	0	0
15	28	CAMBER	5	1	C1	150	1110	3341	150	1110	3341	0	0	0
15	28	CAMBER	5	2	C2	150	1112	3340	150	1112	3340	0	0	0
15	28	CAMBER	5	3	C3	150	1114	3339	150	1114	3339	0	0	0
15	28	CAMBER	6	1	DTAP1	43	313	1100	43	313	1100	0	0	0
15	28	CAMBER	6	2	DTAP2	41	336	1093	41	336	1093	0	0	0
15	28	CAMBER	6	3	DTAP3	42	313	1100	42	313	1100	0	0	0
15	28	CAMBER	11	1	S11	52	197	-698	0	0	0	52	197	-698
15	28	CAMBER	15	1	C11	264	919	-3448	0	0	0	264	919	-3448
15	28	CAMBER	15	2	C22	264	918	-3449	0	0	0	264	918	-3449
15	28	CAMBER	15	3	C33	264	917	-3449	0	0	0	264	917	-3449
15	28	CAMBER	21	1	D1	78	-364	1125	0	0	0	78	-364	1125
15	28	CAMBER	21	2	D2	78	-365	1124	0	0	0	78	-365	1124
15	28	CAMBER	21	3	D3	78	-365	1124	0	0	0	78	-365	1124
15	28	CAMBER	22	1	D4	72	-298	930	0	0	0	72	-298	930
15	28	CAMBER	22	2	D5	72	-297	930	0	0	0	72	-297	930
15	28	CAMBER	22	3	D6	72	-296	930	0	0	0	72	-296	930
15	28	CAMBER	25	1	N1	18	153	512	18	153	512	0	0	0
15	28	CAMBER	31	1	D11	134	388	-1310	0	0	0	134	388	-1310
15	28	CAMBER	31	2	D22	122	362	-1317	0	0	0	122	362	-1317
15	28	CAMBER	31	3	D33	110	388	-1310	0	0	0	110	388	-1310
15	28	CAMBER	32	1	D44	107	315	-1105	0	0	0	107	315	-1105
15	28	CAMBER	32	2	D55	107	306	-1108	0	0	0	107	306	-1108
15	28	CAMBER	32	3	D66	107	315	-1105	0	0	0	107	315	-1105
15	28	CAMBER	35	1	N11	51	144	-516	0	0	0	51	144	-516
15	28	CAMBER	41	1	CATV1	21	102	340	21	102	340	0	0	0
15	28	CAMBER	42	1	TELE1	21	102	340	21	102	340	0	0	0
15	28	CAMBER	43	1	ADSS1	14	65	218	14	65	218	0	0	0
15	28	CAMBER	45	1	N2	26	-150	469	0	0	0	26	-150	469
15	28	CAMBER	51	1	CATV11	53	96	-343	0	0	0	53	96	-343
15	28	CAMBER	52	1	TELE11	53	96	-343	0	0	0	53	96	-343
15	28	CAMBER	53	1	ADSS11	33	62	-223	0	0	0	33	62	-223
16	8	BLOWOUT DEFLECTION NA+	1	1	S1	39	256	836	39	256	836	0	0	0
16	8	BLOWOUT DEFLECTION NA+	5	1	C1	155	1234	3581	155	1234	3581	0	0	0
16	8	BLOWOUT DEFLECTION NA+	5	2	C2	155	1236	3580	155	1236	3580	0	0	0
16	8	BLOWOUT DEFLECTION NA+	5	3	C3	155	1238	3579	155	1238	3579	0	0	0
16	8	BLOWOUT DEFLECTION NA+	6	1	DTAP1	41	404	1301	41	404	1301	0	0	0
16	8	BLOWOUT DEFLECTION NA+	6	2	DTAP2	40	430	1293	40	430	1293	0	0	0
16	8	BLOWOUT DEFLECTION NA+	6	3	DTAP3	41	403	1302	41	403	1302	0	0	0
16	8	BLOWOUT DEFLECTION NA+	11	1	S11	54	252	-797	0	0	0	54	252	-797
16	8	BLOWOUT DEFLECTION NA+	15	1	C11	270	1083	-3685	0	0	0	270	1083	-3685
16	8	BLOWOUT DEFLECTION NA+	15	2	C22	270	1081	-3686	0	0	0	270	1081	-3686
16	8	BLOWOUT DEFLECTION NA+	15	3	C33	270	1080	-3686	0	0	0	270	1080	-3686
16	8	BLOWOUT DEFLECTION NA+	21	1	D1	81	-455	1285	0	0	0	81	-455	1285
16	8	BLOWOUT DEFLECTION NA+	21	2	D2	81	-456	1285	0	0	0	81	-456	1285
16	8	BLOWOUT DEFLECTION NA+	21	3	D3	81	-456	1285	0	0	0	81	-456	1285
16	8	BLOWOUT DEFLECTION NA+	22	1	D4	74	-385	1080	0	0	0	74	-385	1080
16	8	BLOWOUT DEFLECTION NA+	22	2	D5	74	-384	1080	0	0	0	74	-384	1080
16	8	BLOWOUT DEFLECTION NA+	22	3	D6	74	-383	1081	0	0	0	74	-383	1081
16	8	BLOWOUT DEFLECTION NA+	25	1	N1	15	226	679	15	226	679	0	0	0
16	8	BLOWOUT DEFLECTION NA+	31	1	D11	137	529	-1523	0	0	0	137	529	-1523
16	8	BLOWOUT DEFLECTION NA+	31	2	D22	123	499	-1533	0	0	0	123	499	-1533
16	8	BLOWOUT DEFLECTION NA+	31	3	D33	109	529	-1523	0	0	0	109	529	-1523
16	8	BLOWOUT DEFLECTION NA+	32	1	D44	107	448	-1298	0	0	0	107	448	-1298
16	8	BLOWOUT DEFLECTION NA+	32	2	D55	107	437	-1302	0	0	0	107	437	-1302

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16	8	BLOWOUT DEFLECTION NA+	32	3	D66	107	448	-1298	0	0	0	107	448	-1298
16	8	BLOWOUT DEFLECTION NA+	35	1	N11	48	242	-678	0	0	0	48	242	-678
16	8	BLOWOUT DEFLECTION NA+	41	1	CATV1	19	159	457	19	159	457	0	0	0
16	8	BLOWOUT DEFLECTION NA+	42	1	TELE1	19	159	457	19	159	457	0	0	0
16	8	BLOWOUT DEFLECTION NA+	43	1	ADSS1	10	162	454	10	162	454	0	0	0
16	8	BLOWOUT DEFLECTION NA+	45	1	N2	24	-218	601	0	0	0	24	-218	601
16	8	BLOWOUT DEFLECTION NA+	51	1	CATV11	51	179	-453	0	0	0	51	179	-453
16	8	BLOWOUT DEFLECTION NA+	52	1	TELE11	51	179	-453	0	0	0	51	179	-453
16	8	BLOWOUT DEFLECTION NA+	53	1	ADSS11	30	189	-453	0	0	0	30	189	-453
17	8	BLOWOUT DEFLECTION NA-	1	1	S1	39	235	842	39	235	842	0	0	0
17	8	BLOWOUT DEFLECTION NA-	5	1	C1	155	1154	3605	155	1154	3605	0	0	0
17	8	BLOWOUT DEFLECTION NA-	5	2	C2	155	1156	3605	155	1156	3605	0	0	0
17	8	BLOWOUT DEFLECTION NA-	5	3	C3	155	1159	3604	155	1159	3604	0	0	0
17	8	BLOWOUT DEFLECTION NA-	6	1	DTAP1	41	342	1318	41	342	1318	0	0	0
17	8	BLOWOUT DEFLECTION NA-	6	2	DTAP2	40	370	1311	40	370	1311	0	0	0
17	8	BLOWOUT DEFLECTION NA-	6	3	DTAP3	41	342	1318	41	342	1318	0	0	0
17	8	BLOWOUT DEFLECTION NA-	11	1	S11	54	203	-810	0	0	0	54	203	-810
17	8	BLOWOUT DEFLECTION NA-	15	1	C11	270	895	-3734	0	0	0	270	895	-3734
17	8	BLOWOUT DEFLECTION NA-	15	2	C22	270	894	-3734	0	0	0	270	894	-3734
17	8	BLOWOUT DEFLECTION NA-	15	3	C33	270	893	-3734	0	0	0	270	893	-3734
17	8	BLOWOUT DEFLECTION NA-	21	1	D1	81	-385	1309	0	0	0	81	-385	1309
17	8	BLOWOUT DEFLECTION NA-	21	2	D2	81	-385	1308	0	0	0	81	-385	1308
17	8	BLOWOUT DEFLECTION NA-	21	3	D3	81	-385	1308	0	0	0	81	-385	1308
17	8	BLOWOUT DEFLECTION NA-	22	1	D4	74	-315	1103	0	0	0	74	-315	1103
17	8	BLOWOUT DEFLECTION NA-	22	2	D5	74	-314	1104	0	0	0	74	-314	1104
17	8	BLOWOUT DEFLECTION NA-	22	3	D6	74	-312	1104	0	0	0	74	-312	1104
17	8	BLOWOUT DEFLECTION NA-	25	1	N1	15	185	691	15	185	691	0	0	0
17	8	BLOWOUT DEFLECTION NA-	31	1	D11	137	385	-1565	0	0	0	137	385	-1565
17	8	BLOWOUT DEFLECTION NA-	31	2	D22	123	354	-1572	0	0	0	123	354	-1572
17	8	BLOWOUT DEFLECTION NA-	31	3	D33	109	385	-1565	0	0	0	109	385	-1565
17	8	BLOWOUT DEFLECTION NA-	32	1	D44	107	304	-1339	0	0	0	107	304	-1339
17	8	BLOWOUT DEFLECTION NA-	32	2	D55	107	293	-1342	0	0	0	107	293	-1342
17	8	BLOWOUT DEFLECTION NA-	32	3	D66	107	304	-1339	0	0	0	107	304	-1339
17	8	BLOWOUT DEFLECTION NA-	35	1	N11	48	145	-705	0	0	0	48	145	-705
17	8	BLOWOUT DEFLECTION NA-	41	1	CATV1	19	118	468	19	118	468	0	0	0
17	8	BLOWOUT DEFLECTION NA-	42	1	TELE1	19	118	468	19	118	468	0	0	0
17	8	BLOWOUT DEFLECTION NA-	43	1	ADSS1	10	114	468	10	114	468	0	0	0
17	8	BLOWOUT DEFLECTION NA-	45	1	N2	24	-171	617	0	0	0	24	-171	617
17	8	BLOWOUT DEFLECTION NA-	51	1	CATV11	51	82	-480	0	0	0	51	82	-480
17	8	BLOWOUT DEFLECTION NA-	52	1	TELE11	51	82	-480	0	0	0	51	82	-480
17	8	BLOWOUT DEFLECTION NA-	53	1	ADSS11	30	74	-485	0	0	0	30	74	-485
18	1	KEN CONDUCTOR NA+ (250B)-	11	1	S11	135	843	-2606	0	0	0	135	843	-2606
18	1	KEN CONDUCTOR NA+ (250B)-	15	1	C11	577	2986	-10343	0	0	0	577	2986	-10343
18	1	KEN CONDUCTOR NA+ (250B)-	15	2	C22	577	2983	-10344	0	0	0	577	2983	-10344
18	1	KEN CONDUCTOR NA+ (250B)-	15	3	C33	577	2980	-10345	0	0	0	577	2980	-10345
18	1	KEN CONDUCTOR NA+ (250B)-	21	1	D1	193	-1609	4666	0	0	0	193	-1609	4666
18	1	KEN CONDUCTOR NA+ (250B)-	21	2	D2	193	-1611	4665	0	0	0	193	-1611	4665
18	1	KEN CONDUCTOR NA+ (250B)-	21	3	D3	193	-1612	4665	0	0	0	193	-1612	4665
18	1	KEN CONDUCTOR NA+ (250B)-	22	1	D4	172	-1345	3888	0	0	0	172	-1345	3888
18	1	KEN CONDUCTOR NA+ (250B)-	22	2	D5	172	-1341	3890	0	0	0	172	-1341	3890
18	1	KEN CONDUCTOR NA+ (250B)-	22	3	D6	172	-1336	3891	0	0	0	172	-1336	3891
18	1	KEN CONDUCTOR NA+ (250B)-	31	1	D11	314	1577	-4677	0	0	0	314	1577	-4677
18	1	KEN CONDUCTOR NA+ (250B)-	31	2	D22	281	1487	-4706	0	0	0	281	1487	-4706
18	1	KEN CONDUCTOR NA+ (250B)-	31	3	D33	247	1578	-4676	0	0	0	247	1578	-4676
18	1	KEN CONDUCTOR NA+ (250B)-	32	1	D44	240	1302	-3891	0	0	0	240	1302	-3891
18	1	KEN CONDUCTOR NA+ (250B)-	32	2	D55	240	1268	-3902	0	0	0	240	1268	-3902
18	1	KEN CONDUCTOR NA+ (250B)-	32	3	D66	240	1302	-3891	0	0	0	240	1302	-3891
18	1	KEN CONDUCTOR NA+ (250B)-	35	1	N11	126	800	-2326	0	0	0	126	800	-2326
18	1	KEN CONDUCTOR NA+ (250B)-	45	1	N2	57	-821	2332	0	0	0	57	-821	2332
18	1	KEN CONDUCTOR NA+ (250B)-	51	1	CATV11	134	578	-1531	0	0	0	134	578	-1531
18	1	KEN CONDUCTOR NA+ (250B)-	52	1	TELE11	134	578	-1531	0	0	0	134	578	-1531
18	1	KEN CONDUCTOR NA+ (250B)-	53	1	ADSS11	110	626	-1645	0	0	0	110	626	-1645
19	1	KEN CONDUCTOR NA- (250B)-	11	1	S11	135	646	-2661	0	0	0	135	646	-2661

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19	1	KEN CONDUCTOR NA- (250B)-E	15	1	C11	577	2558	-10455	0	0	0	577	2558	-10455
19	1	KEN CONDUCTOR NA- (250B)-E	15	2	C22	577	2555	-10455	0	0	0	577	2555	-10455
19	1	KEN CONDUCTOR NA- (250B)-E	15	3	C33	577	2552	-10456	0	0	0	577	2552	-10456
19	1	KEN CONDUCTOR NA- (250B)-E	21	1	D1	193	-1432	4724	0	0	0	193	-1432	4724
19	1	KEN CONDUCTOR NA- (250B)-E	21	2	D2	193	-1433	4724	0	0	0	193	-1433	4724
19	1	KEN CONDUCTOR NA- (250B)-E	21	3	D3	193	-1435	4723	0	0	0	193	-1435	4723
19	1	KEN CONDUCTOR NA- (250B)-E	22	1	D4	172	-1168	3946	0	0	0	172	-1168	3946
19	1	KEN CONDUCTOR NA- (250B)-E	22	2	D5	172	-1164	3948	0	0	0	172	-1164	3948
19	1	KEN CONDUCTOR NA- (250B)-E	22	3	D6	172	-1160	3949	0	0	0	172	-1160	3949
19	1	KEN CONDUCTOR NA- (250B)-E	31	1	D11	314	1221	-4781	0	0	0	314	1221	-4781
19	1	KEN CONDUCTOR NA- (250B)-E	31	2	D22	281	1129	-4803	0	0	0	281	1129	-4803
19	1	KEN CONDUCTOR NA- (250B)-E	31	3	D33	247	1222	-4780	0	0	0	247	1222	-4780
19	1	KEN CONDUCTOR NA- (250B)-E	32	1	D44	240	947	-3991	0	0	0	240	947	-3991
19	1	KEN CONDUCTOR NA- (250B)-E	32	2	D55	240	913	-3999	0	0	0	240	913	-3999
19	1	KEN CONDUCTOR NA- (250B)-E	32	3	D66	240	947	-3991	0	0	0	240	947	-3991
19	1	KEN CONDUCTOR NA- (250B)-E	35	1	N11	126	522	-2402	0	0	0	126	522	-2402
19	1	KEN CONDUCTOR NA- (250B)-E	45	1	N2	57	-684	2377	0	0	0	57	-684	2377
19	1	KEN CONDUCTOR NA- (250B)-E	51	1	CATV11	134	300	-1607	0	0	0	134	300	-1607
19	1	KEN CONDUCTOR NA- (250B)-E	52	1	TELE11	134	300	-1607	0	0	0	134	300	-1607
19	1	KEN CONDUCTOR NA- (250B)-E	53	1	ADSS11	110	318	-1730	0	0	0	110	318	-1730
20	3	KEN CONDUCTOR NA+ (250C)-	11	1	S11	83	631	-1725	0	0	0	83	631	-1725
20	3	KEN CONDUCTOR NA+ (250C)-	15	1	C11	361	2330	-6721	0	0	0	361	2330	-6721
20	3	KEN CONDUCTOR NA+ (250C)-	15	2	C22	361	2320	-6724	0	0	0	361	2320	-6724
20	3	KEN CONDUCTOR NA+ (250C)-	15	3	C33	361	2309	-6727	0	0	0	361	2309	-6727
20	3	KEN CONDUCTOR NA+ (250C)-	21	1	D1	113	-1153	2917	0	0	0	113	-1153	2917
20	3	KEN CONDUCTOR NA+ (250C)-	21	2	D2	113	-1152	2918	0	0	0	113	-1152	2918
20	3	KEN CONDUCTOR NA+ (250C)-	21	3	D3	113	-1150	2918	0	0	0	113	-1150	2918
20	3	KEN CONDUCTOR NA+ (250C)-	22	1	D4	98	-1027	2585	0	0	0	98	-1027	2585
20	3	KEN CONDUCTOR NA+ (250C)-	22	2	D5	98	-1024	2586	0	0	0	98	-1024	2586
20	3	KEN CONDUCTOR NA+ (250C)-	22	3	D6	98	-1021	2587	0	0	0	98	-1021	2587
20	3	KEN CONDUCTOR NA+ (250C)-	31	1	D11	184	1480	-3659	0	0	0	184	1480	-3659
20	3	KEN CONDUCTOR NA+ (250C)-	31	2	D22	150	1406	-3688	0	0	0	150	1406	-3688
20	3	KEN CONDUCTOR NA+ (250C)-	31	3	D33	116	1473	-3662	0	0	0	116	1473	-3662
20	3	KEN CONDUCTOR NA+ (250C)-	32	1	D44	109	1304	-3248	0	0	0	109	1304	-3248
20	3	KEN CONDUCTOR NA+ (250C)-	32	2	D55	109	1276	-3259	0	0	0	109	1276	-3259
20	3	KEN CONDUCTOR NA+ (250C)-	32	3	D66	109	1304	-3248	0	0	0	109	1304	-3248
20	3	KEN CONDUCTOR NA+ (250C)-	35	1	N11	36	787	-1937	0	0	0	36	787	-1937
20	3	KEN CONDUCTOR NA+ (250C)-	45	1	N2	13	-635	1595	0	0	0	13	-635	1595
20	3	KEN CONDUCTOR NA+ (250C)-	51	1	CATV11	44	630	-1385	0	0	0	44	630	-1385
20	3	KEN CONDUCTOR NA+ (250C)-	52	1	TELE11	44	630	-1385	0	0	0	44	630	-1385
20	3	KEN CONDUCTOR NA+ (250C)-	53	1	ADSS11	14	803	-1840	0	0	0	14	803	-1840
21	3	KEN CONDUCTOR NA- (250C)-E	11	1	S11	83	365	-1798	0	0	0	83	365	-1798
21	3	KEN CONDUCTOR NA- (250C)-E	15	1	C11	361	1322	-6979	0	0	0	361	1322	-6979
21	3	KEN CONDUCTOR NA- (250C)-E	15	2	C22	361	1328	-6977	0	0	0	361	1328	-6977
21	3	KEN CONDUCTOR NA- (250C)-E	15	3	C33	361	1335	-6975	0	0	0	361	1335	-6975
21	3	KEN CONDUCTOR NA- (250C)-E	21	1	D1	113	-777	3044	0	0	0	113	-777	3044
21	3	KEN CONDUCTOR NA- (250C)-E	21	2	D2	113	-781	3043	0	0	0	113	-781	3043
21	3	KEN CONDUCTOR NA- (250C)-E	21	3	D3	113	-785	3042	0	0	0	113	-785	3042
21	3	KEN CONDUCTOR NA- (250C)-E	22	1	D4	98	-670	2704	0	0	0	98	-670	2704
21	3	KEN CONDUCTOR NA- (250C)-E	22	2	D5	98	-667	2705	0	0	0	98	-667	2705
21	3	KEN CONDUCTOR NA- (250C)-E	22	3	D6	98	-664	2705	0	0	0	98	-664	2705
21	3	KEN CONDUCTOR NA- (250C)-E	31	1	D11	184	748	-3871	0	0	0	184	748	-3871
21	3	KEN CONDUCTOR NA- (250C)-E	31	2	D22	150	677	-3885	0	0	0	150	677	-3885
21	3	KEN CONDUCTOR NA- (250C)-E	31	3	D33	116	757	-3869	0	0	0	116	757	-3869
21	3	KEN CONDUCTOR NA- (250C)-E	32	1	D44	109	606	-3443	0	0	0	109	606	-3443
21	3	KEN CONDUCTOR NA- (250C)-E	32	2	D55	109	576	-3448	0	0	0	109	576	-3448
21	3	KEN CONDUCTOR NA- (250C)-E	32	3	D66	109	606	-3443	0	0	0	109	606	-3443
21	3	KEN CONDUCTOR NA- (250C)-E	35	1	N11	36	332	-2061	0	0	0	36	332	-2061
21	3	KEN CONDUCTOR NA- (250C)-E	45	1	N2	13	-409	1671	0	0	0	13	-409	1671
21	3	KEN CONDUCTOR NA- (250C)-E	51	1	CATV11	44	179	-1507	0	0	0	44	179	-1507
21	3	KEN CONDUCTOR NA- (250C)-E	52	1	TELE11	44	179	-1507	0	0	0	44	179	-1507
21	3	KEN CONDUCTOR NA- (250C)-E	53	1	ADSS11	14	268	-1986	0	0	0	14	268	-1986
22	4	KEN CONDUCTOR NA+ (250D)-	11	1	S11	264	753	-2454	0	0	0	264	753	-2454

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22	4	KEN CONDUCTOR NA+ (250D)-	15	1	C11	697	2290	-8253	0	0	0	697	2290	-8253
22	4	KEN CONDUCTOR NA+ (250D)-	15	2	C22	697	2287	-8253	0	0	0	697	2287	-8253
22	4	KEN CONDUCTOR NA+ (250D)-	15	3	C33	697	2285	-8254	0	0	0	697	2285	-8254
22	4	KEN CONDUCTOR NA+ (250D)-	21	1	D1	264	-1298	3880	0	0	0	264	-1298	3880
22	4	KEN CONDUCTOR NA+ (250D)-	21	2	D2	264	-1299	3880	0	0	0	264	-1299	3880
22	4	KEN CONDUCTOR NA+ (250D)-	21	3	D3	264	-1301	3879	0	0	0	264	-1301	3879
22	4	KEN CONDUCTOR NA+ (250D)-	22	1	D4	244	-1145	3440	0	0	0	244	-1145	3440
22	4	KEN CONDUCTOR NA+ (250D)-	22	2	D5	244	-1141	3441	0	0	0	244	-1141	3441
22	4	KEN CONDUCTOR NA+ (250D)-	22	3	D6	244	-1137	3442	0	0	0	244	-1137	3442
22	4	KEN CONDUCTOR NA+ (250D)-	31	1	D11	458	1388	-4418	0	0	0	458	1388	-4418
22	4	KEN CONDUCTOR NA+ (250D)-	31	2	D22	418	1303	-4444	0	0	0	418	1303	-4444
22	4	KEN CONDUCTOR NA+ (250D)-	31	3	D33	377	1389	-4418	0	0	0	377	1389	-4418
22	4	KEN CONDUCTOR NA+ (250D)-	32	1	D44	368	1197	-3914	0	0	0	368	1197	-3914
22	4	KEN CONDUCTOR NA+ (250D)-	32	2	D55	368	1163	-3924	0	0	0	368	1163	-3924
22	4	KEN CONDUCTOR NA+ (250D)-	32	3	D66	368	1197	-3914	0	0	0	368	1197	-3914
22	4	KEN CONDUCTOR NA+ (250D)-	35	1	N11	241	770	-2504	0	0	0	241	770	-2504
22	4	KEN CONDUCTOR NA+ (250D)-	45	1	N2	115	-733	2182	0	0	0	115	-733	2182
22	4	KEN CONDUCTOR NA+ (250D)-	51	1	CATV11	251	570	-1789	0	0	0	251	570	-1789
22	4	KEN CONDUCTOR NA+ (250D)-	52	1	TELE11	251	570	-1789	0	0	0	251	570	-1789
22	4	KEN CONDUCTOR NA+ (250D)-	53	1	ADSS11	242	666	-2120	0	0	0	242	666	-2120
23	4	KEN CONDUCTOR NA- (250D)-	11	1	S11	264	644	-2485	0	0	0	264	644	-2485
23	4	KEN CONDUCTOR NA- (250D)-	15	1	C11	697	2122	-8297	0	0	0	697	2122	-8297
23	4	KEN CONDUCTOR NA- (250D)-	15	2	C22	697	2120	-8297	0	0	0	697	2120	-8297
23	4	KEN CONDUCTOR NA- (250D)-	15	3	C33	697	2117	-8298	0	0	0	697	2117	-8298
23	4	KEN CONDUCTOR NA- (250D)-	21	1	D1	264	-1223	3905	0	0	0	264	-1223	3905
23	4	KEN CONDUCTOR NA- (250D)-	21	2	D2	264	-1224	3904	0	0	0	264	-1224	3904
23	4	KEN CONDUCTOR NA- (250D)-	21	3	D3	264	-1225	3904	0	0	0	264	-1225	3904
23	4	KEN CONDUCTOR NA- (250D)-	22	1	D4	244	-1070	3464	0	0	0	244	-1070	3464
23	4	KEN CONDUCTOR NA- (250D)-	22	2	D5	244	-1066	3465	0	0	0	244	-1066	3465
23	4	KEN CONDUCTOR NA- (250D)-	22	3	D6	244	-1062	3466	0	0	0	244	-1062	3466
23	4	KEN CONDUCTOR NA- (250D)-	31	1	D11	458	1240	-4462	0	0	0	458	1240	-4462
23	4	KEN CONDUCTOR NA- (250D)-	31	2	D22	418	1153	-4485	0	0	0	418	1153	-4485
23	4	KEN CONDUCTOR NA- (250D)-	31	3	D33	377	1240	-4462	0	0	0	377	1240	-4462
23	4	KEN CONDUCTOR NA- (250D)-	32	1	D44	368	1049	-3956	0	0	0	368	1049	-3956
23	4	KEN CONDUCTOR NA- (250D)-	32	2	D55	368	1014	-3965	0	0	0	368	1014	-3965
23	4	KEN CONDUCTOR NA- (250D)-	32	3	D66	368	1049	-3956	0	0	0	368	1049	-3956
23	4	KEN CONDUCTOR NA- (250D)-	35	1	N11	241	641	-2540	0	0	0	241	641	-2540
23	4	KEN CONDUCTOR NA- (250D)-	45	1	N2	115	-668	2203	0	0	0	115	-668	2203
23	4	KEN CONDUCTOR NA- (250D)-	51	1	CATV11	251	441	-1825	0	0	0	251	441	-1825
23	4	KEN CONDUCTOR NA- (250D)-	52	1	TELE11	251	441	-1825	0	0	0	251	441	-1825
23	4	KEN CONDUCTOR NA- (250D)-	53	1	ADSS11	242	530	-2158	0	0	0	242	530	-2158
24	6	N CONDUCTOR (EXTREME ICE	11	1	S11	261	659	-2330	0	0	0	261	659	-2330
24	6	N CONDUCTOR (EXTREME ICE	15	1	C11	681	2017	-7565	0	0	0	681	2017	-7565
24	6	N CONDUCTOR (EXTREME ICE	15	2	C22	681	2014	-7566	0	0	0	681	2014	-7566
24	6	N CONDUCTOR (EXTREME ICE	15	3	C33	681	2012	-7566	0	0	0	681	2012	-7566
24	6	N CONDUCTOR (EXTREME ICE	21	1	D1	256	-1106	3415	0	0	0	256	-1106	3415
24	6	N CONDUCTOR (EXTREME ICE	21	2	D2	256	-1107	3414	0	0	0	256	-1107	3414
24	6	N CONDUCTOR (EXTREME ICE	21	3	D3	256	-1108	3414	0	0	0	256	-1108	3414
24	6	N CONDUCTOR (EXTREME ICE	22	1	D4	239	-977	3046	0	0	0	239	-977	3046
24	6	N CONDUCTOR (EXTREME ICE	22	2	D5	239	-974	3047	0	0	0	239	-974	3047
24	6	N CONDUCTOR (EXTREME ICE	22	3	D6	239	-970	3048	0	0	0	239	-970	3048
24	6	N CONDUCTOR (EXTREME ICE	31	1	D11	453	1213	-4100	0	0	0	453	1213	-4100
24	6	N CONDUCTOR (EXTREME ICE	31	2	D22	415	1134	-4122	0	0	0	415	1134	-4122
24	6	N CONDUCTOR (EXTREME ICE	31	3	D33	378	1214	-4099	0	0	0	378	1214	-4099
24	6	N CONDUCTOR (EXTREME ICE	32	1	D44	369	1048	-3670	0	0	0	369	1048	-3670
24	6	N CONDUCTOR (EXTREME ICE	32	2	D55	369	1015	-3679	0	0	0	369	1015	-3679
24	6	N CONDUCTOR (EXTREME ICE	32	3	D66	369	1048	-3670	0	0	0	369	1048	-3670
24	6	N CONDUCTOR (EXTREME ICE	35	1	N11	243	662	-2367	0	0	0	243	662	-2367
24	6	N CONDUCTOR (EXTREME ICE	45	1	N2	118	-632	1977	0	0	0	118	-632	1977
24	6	N CONDUCTOR (EXTREME ICE	51	1	CATV11	253	479	-1713	0	0	0	253	479	-1713
24	6	N CONDUCTOR (EXTREME ICE	52	1	TELE11	253	479	-1713	0	0	0	253	479	-1713
24	6	N CONDUCTOR (EXTREME ICE	53	1	ADSS11	244	553	-1978	0	0	0	244	553	-1978
25	6	I CONDUCTOR (EXTREME ICE	1	1	S1	150	683	2332	150	683	2332	0	0	0

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25	6	J CONDUCTOR (EXTREME ICE	5	1	C1	364	2437	7335	364	2437	7335	0	0	0
25	6	J CONDUCTOR (EXTREME ICE	5	2	C2	364	2442	7333	364	2442	7333	0	0	0
25	6	J CONDUCTOR (EXTREME ICE	5	3	C3	363	2447	7332	363	2447	7332	0	0	0
25	6	J CONDUCTOR (EXTREME ICE	6	1	DTAP1	141	1037	3642	141	1037	3642	0	0	0
25	6	J CONDUCTOR (EXTREME ICE	6	2	DTAP2	136	1112	3620	136	1112	3620	0	0	0
25	6	J CONDUCTOR (EXTREME ICE	6	3	DTAP3	140	1036	3642	140	1036	3642	0	0	0
25	6	J CONDUCTOR (EXTREME ICE	25	1	N1	77	701	2338	77	701	2338	0	0	0
25	6	J CONDUCTOR (EXTREME ICE	41	1	CATV1	88	510	1698	88	510	1698	0	0	0
25	6	J CONDUCTOR (EXTREME ICE	42	1	TELE1	88	510	1698	88	510	1698	0	0	0
25	6	J CONDUCTOR (EXTREME ICE	43	1	ADSS1	82	583	1945	82	583	1945	0	0	0

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	SW	154	126	1	71	75	-2737	83	51	2738
7	1	NESC MEDIUM NA+ (250B)	3	1	TC	621	819	3	287	433	-10755	333	386	10757
7	1	NESC MEDIUM NA+ (250B)	3	2	MC	621	817	3	287	432	-10755	333	385	10758
7	1	NESC MEDIUM NA+ (250B)	3	3	BC	621	814	3	287	430	-10755	333	384	10758
7	1	NESC MEDIUM NA+ (250B)	5	1	D1	435	228	3	195	141	-4972	240	87	4975
7	1	NESC MEDIUM NA+ (250B)	5	2	D2	435	228	3	195	141	-4972	240	87	4975
7	1	NESC MEDIUM NA+ (250B)	5	3	D3	437	227	3	196	140	-4972	241	87	4975
7	1	NESC MEDIUM NA+ (250B)	6	1	D4	438	130	3	195	92	-4100	243	39	4102
7	1	NESC MEDIUM NA+ (250B)	6	2	D5	438	130	3	195	91	-4100	243	39	4102
7	1	NESC MEDIUM NA+ (250B)	6	3	D6	440	129	3	195	91	-4100	244	38	4102
7	1	NESC MEDIUM NA+ (250B)	7	1	N	250	17	2	111	26	-2457	139	-9	2459
7	1	NESC MEDIUM NA+ (250B)	8	1	ADSS	210	-88	2	93	-24	-1756	117	-64	1758
7	1	NESC MEDIUM NA+ (250B)	9	1	CATV	252	-84	2	111	-19	-1633	142	-65	1635
7	1	NESC MEDIUM NA+ (250B)	10	1	TELE	252	-84	2	111	-19	-1633	142	-65	1635
7	1	NESC MEDIUM NA+ (250B)	20	1	DTAP1	263	4673	1596	0	0	0	263	4673	1596
7	1	NESC MEDIUM NA+ (250B)	20	2	NTAP1	248	4673	1596	0	0	0	248	4673	1596
7	1	NESC MEDIUM NA+ (250B)	33	1	T	87	0	0	0	0	0	87	0	0
7	1	NESC MEDIUM NA+ (250B)	33	2	M	87	0	0	0	0	0	87	0	0
7	1	NESC MEDIUM NA+ (250B)	33	3	B	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	1	1	SW	154	489	-2	71	230	-2728	83	259	2726
8	1	NESC MEDIUM NA- (250B)	3	1	TC	621	1592	-4	287	763	-10736	333	830	10732
8	1	NESC MEDIUM NA- (250B)	3	2	MC	621	1590	-4	287	762	-10736	333	829	10732
8	1	NESC MEDIUM NA- (250B)	3	3	BC	621	1588	-4	287	760	-10737	333	827	10733
8	1	NESC MEDIUM NA- (250B)	5	1	D1	435	884	-2	195	420	-4956	240	464	4954
8	1	NESC MEDIUM NA- (250B)	5	2	D2	435	885	-2	195	420	-4956	240	464	4954
8	1	NESC MEDIUM NA- (250B)	5	3	D3	437	886	-2	196	420	-4957	241	465	4954
8	1	NESC MEDIUM NA- (250B)	6	1	D4	438	786	-2	195	371	-4084	243	415	4082
8	1	NESC MEDIUM NA- (250B)	6	2	D5	438	787	-2	195	371	-4084	243	416	4081
8	1	NESC MEDIUM NA- (250B)	6	3	D6	440	788	-2	195	371	-4084	244	417	4081
8	1	NESC MEDIUM NA- (250B)	7	1	N	250	527	-2	111	244	-2445	139	284	2443
8	1	NESC MEDIUM NA- (250B)	8	1	ADSS	210	477	-3	93	217	-1743	117	260	1740
8	1	NESC MEDIUM NA- (250B)	9	1	CATV	252	426	-1	111	198	-1621	142	227	1620
8	1	NESC MEDIUM NA- (250B)	10	1	TELE	252	425	-1	111	198	-1621	142	227	1620
8	1	NESC MEDIUM NA- (250B)	20	1	DTAP1	263	4773	1279	0	0	0	263	4773	1279
8	1	NESC MEDIUM NA- (250B)	20	2	NTAP1	248	4773	1279	0	0	0	248	4773	1279
8	1	NESC MEDIUM NA- (250B)	33	1	T	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	33	2	M	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	33	3	B	87	0	0	0	0	0	87	0	0
9	4	NCURRENT ICE/WIND NA+ (25	1	1	SW	345	188	1	154	100	-2565	191	88	2566
9	4	NCURRENT ICE/WIND NA+ (25	3	1	TC	853	807	1	386	411	-8554	467	396	8555
9	4	NCURRENT ICE/WIND NA+ (25	3	2	MC	853	805	1	386	410	-8554	467	395	8555
9	4	NCURRENT ICE/WIND NA+ (25	3	3	BC	853	803	1	385	409	-8554	467	394	8555
9	4	NCURRENT ICE/WIND NA+ (25	5	1	D1	670	390	1	297	207	-4710	373	182	4711
9	4	NCURRENT ICE/WIND NA+ (25	5	2	D2	670	390	1	297	207	-4710	373	182	4711
9	4	NCURRENT ICE/WIND NA+ (25	5	3	D3	672	389	1	298	207	-4710	375	183	4711
9	4	NCURRENT ICE/WIND NA+ (25	6	1	D4	672	320	1	297	172	-4088	376	148	4090
9	4	NCURRENT ICE/WIND NA+ (25	6	2	D5	673	320	1	297	172	-4088	376	148	4090
9	4	NCURRENT ICE/WIND NA+ (25	6	3	D6	675	320	1	297	172	-4089	378	148	4090
9	4	NCURRENT ICE/WIND NA+ (25	7	1	N	476	171	1	210	93	-2618	267	78	2619
9	4	NCURRENT ICE/WIND NA+ (25	8	1	ADSS	470	120	1	206	68	-2220	264	52	2221
9	4	NCURRENT ICE/WIND NA+ (25	9	1	CATV	479	77	1	209	52	-1876	270	25	1877
9	4	NCURRENT ICE/WIND NA+ (25	10	1	TELE	479	77	1	209	52	-1876	270	25	1877
9	4	NCURRENT ICE/WIND NA+ (25	20	1	DTAP1	388	4375	1404	0	0	0	388	4375	1404
9	4	NCURRENT ICE/WIND NA+ (25	20	2	NTAP1	370	4375	1405	0	0	0	370	4375	1405
9	4	NCURRENT ICE/WIND NA+ (25	33	1	T	64	0	0	0	0	0	64	0	0
9	4	NCURRENT ICE/WIND NA+ (25	33	2	M	64	0	0	0	0	0	64	0	0
9	4	NCURRENT ICE/WIND NA+ (25	33	3	B	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (25	1	1	SW	345	389	-1	154	186	-2560	191	203	2559
10	4	NCURRENT ICE/WIND NA- (25	3	1	TC	853	1112	-2	386	541	-8547	467	571	8545

10	4	NCURRENT ICE/WIND NA- (25	3	2	MC	853	1110	-2	386	540	-8547	467	570	8545
10	4	NCURRENT ICE/WIND NA- (25	3	3	BC	853	1108	-2	385	539	-8547	467	569	8545
10	4	NCURRENT ICE/WIND NA- (25	5	1	D1	670	665	-1	297	325	-4703	373	340	4703
10	4	NCURRENT ICE/WIND NA- (25	5	2	D2	670	665	-1	297	325	-4703	373	340	4702
10	4	NCURRENT ICE/WIND NA- (25	5	3	D3	672	666	-1	298	325	-4703	375	341	4702
10	4	NCURRENT ICE/WIND NA- (25	6	1	D4	672	595	-1	297	290	-4082	376	306	4081
10	4	NCURRENT ICE/WIND NA- (25	6	2	D5	673	596	-1	297	290	-4082	376	306	4081
10	4	NCURRENT ICE/WIND NA- (25	6	3	D6	675	596	-1	297	290	-4082	378	307	4081
10	4	NCURRENT ICE/WIND NA- (25	7	1	N	476	410	-1	210	195	-2612	267	215	2611
10	4	NCURRENT ICE/WIND NA- (25	8	1	ADSS	470	372	-1	206	176	-2214	264	197	2213
10	4	NCURRENT ICE/WIND NA- (25	9	1	CATV	479	316	0	209	154	-1871	270	162	1871
10	4	NCURRENT ICE/WIND NA- (25	10	1	TELE	479	316	0	209	154	-1871	270	162	1871
10	4	NCURRENT ICE/WIND NA- (25	20	1	DTAP1	388	4416	1271	0	0	0	388	4416	1271
10	4	NCURRENT ICE/WIND NA- (25	20	2	NTAP1	370	4416	1272	0	0	0	370	4416	1272
10	4	NCURRENT ICE/WIND NA- (25	33	1	T	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (25	33	2	M	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (25	33	3	B	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	1	1	SW	58	-34	2	30	-1	-1834	28	-33	1836
11	3	EXTREME WIND NA+ (250C)	3	1	TC	316	-97	7	153	10	-7101	163	-107	7108
11	3	EXTREME WIND NA+ (250C)	3	2	MC	316	-84	7	153	16	-7101	163	-100	7107
11	3	EXTREME WIND NA+ (250C)	3	3	BC	316	-69	7	153	22	-7100	163	-91	7107
11	3	EXTREME WIND NA+ (250C)	5	1	D1	202	-216	5	96	-59	-4003	106	-157	4008
11	3	EXTREME WIND NA+ (250C)	5	2	D2	202	-217	5	96	-60	-4003	106	-157	4008
11	3	EXTREME WIND NA+ (250C)	5	3	D3	203	-219	5	96	-60	-4003	107	-158	4008
11	3	EXTREME WIND NA+ (250C)	6	1	D4	204	-260	5	96	-82	-3489	108	-178	3494
11	3	EXTREME WIND NA+ (250C)	6	2	D5	204	-261	5	96	-82	-3489	109	-178	3494
11	3	EXTREME WIND NA+ (250C)	6	3	D6	205	-262	5	96	-83	-3489	109	-179	3495
11	3	EXTREME WIND NA+ (250C)	7	1	N	97	-190	3	47	-66	-2083	51	-124	2086
11	3	EXTREME WIND NA+ (250C)	8	1	ADSS	56	-277	4	29	-103	-1995	27	-173	1999
11	3	EXTREME WIND NA+ (250C)	9	1	CATV	100	-256	2	47	-96	-1509	53	-161	1511
11	3	EXTREME WIND NA+ (250C)	10	1	TELE	100	-255	2	47	-96	-1509	53	-160	1511
11	3	EXTREME WIND NA+ (250C)	20	1	DTAP1	144	3465	1392	0	0	0	144	3465	1392
11	3	EXTREME WIND NA+ (250C)	20	2	NTAP1	129	3467	1385	0	0	0	129	3467	1385
11	3	EXTREME WIND NA+ (250C)	33	1	T	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	33	2	M	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	33	3	B	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	1	1	SW	58	445	-2	30	205	-1823	28	240	1821
12	3	EXTREME WIND NA- (250C)	3	1	TC	316	1686	-8	153	778	-7058	163	908	7050
12	3	EXTREME WIND NA- (250C)	3	2	MC	316	1670	-8	153	770	-7059	163	899	7051
12	3	EXTREME WIND NA- (250C)	3	3	BC	316	1652	-8	153	762	-7059	163	889	7052
12	3	EXTREME WIND NA- (250C)	5	1	D1	202	1110	-5	96	510	-3971	106	600	3966
12	3	EXTREME WIND NA- (250C)	5	2	D2	202	1110	-5	96	510	-3971	106	600	3966
12	3	EXTREME WIND NA- (250C)	5	3	D3	203	1112	-5	96	510	-3971	107	602	3966
12	3	EXTREME WIND NA- (250C)	6	1	D4	204	1038	-5	96	475	-3458	108	564	3453
12	3	EXTREME WIND NA- (250C)	6	2	D5	204	1039	-5	96	475	-3458	109	564	3453
12	3	EXTREME WIND NA- (250C)	6	3	D6	205	1041	-5	96	475	-3458	109	566	3453
12	3	EXTREME WIND NA- (250C)	7	1	N	97	651	-4	47	294	-2063	51	357	2059
12	3	EXTREME WIND NA- (250C)	8	1	ADSS	56	717	-4	29	322	-1972	27	395	1968
12	3	EXTREME WIND NA- (250C)	9	1	CATV	100	571	-2	47	260	-1489	53	310	1488
12	3	EXTREME WIND NA- (250C)	10	1	TELE	100	569	-2	47	260	-1489	53	309	1488
12	3	EXTREME WIND NA- (250C)	20	1	DTAP1	144	3666	778	0	0	0	144	3666	778
12	3	EXTREME WIND NA- (250C)	20	2	NTAP1	129	3663	786	0	0	0	129	3663	786
12	3	EXTREME WIND NA- (250C)	33	1	T	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	33	2	M	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	33	3	B	64	0	0	0	0	0	64	0	0
13	6	EXTREME ICE	1	1	SW	314	247	0	140	122	-2198	174	125	2198
13	6	EXTREME ICE	3	1	TC	778	797	0	350	395	-7107	428	402	7106
13	6	EXTREME ICE	3	2	MC	778	796	0	350	395	-7107	428	401	7106
13	6	EXTREME ICE	3	3	BC	778	794	0	350	394	-7107	428	401	7106
13	6	EXTREME ICE	5	1	D1	610	445	0	270	224	-3968	340	220	3968
13	6	EXTREME ICE	5	2	D2	611	445	0	270	224	-3968	341	220	3968
13	6	EXTREME ICE	5	3	D3	613	445	0	270	224	-3968	342	221	3968
13	6	EXTREME ICE	6	1	D4	612	388	0	269	196	-3464	343	192	3464

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13	6	EXTREME ICE	6	2	D5	613	388	0	270	196	-3464	343	192	3464
13	6	EXTREME ICE	6	3	D6	615	388	0	270	196	-3464	345	193	3464
13	6	EXTREME ICE	7	1	N	433	248	0	190	123	-2231	243	125	2231
13	6	EXTREME ICE	8	1	ADSS	428	207	0	187	103	-1865	241	104	1865
13	6	EXTREME ICE	9	1	CATV	436	169	0	190	89	-1614	246	81	1615
13	6	EXTREME ICE	10	1	TELE	436	169	0	190	89	-1614	246	80	1615
13	6	EXTREME ICE	20	1	DTAP1	350	3679	1120	0	0	0	350	3679	1120
13	6	EXTREME ICE	20	2	NTAP1	335	3679	1120	0	0	0	335	3679	1120
13	6	EXTREME ICE	33	1	T	58	0	0	0	0	0	58	0	0
13	6	EXTREME ICE	33	2	M	58	0	0	0	0	0	58	0	0
13	6	EXTREME ICE	33	3	B	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	1	1	SW	55	127	0	27	63	-1128	28	64	1128
14	9	UPLIFT	3	1	TC	287	728	0	139	361	-6493	148	367	6492
14	9	UPLIFT	3	2	MC	287	727	0	139	360	-6493	148	367	6492
14	9	UPLIFT	3	3	BC	287	726	0	139	360	-6493	148	366	6492
14	9	UPLIFT	5	1	D1	189	243	0	86	122	-2166	103	120	2167
14	9	UPLIFT	5	2	D2	189	243	0	86	122	-2166	103	120	2167
14	9	UPLIFT	5	3	D3	190	243	0	86	122	-2166	104	121	2167
14	9	UPLIFT	6	1	D4	191	177	0	86	89	-1582	106	88	1582
14	9	UPLIFT	6	2	D5	192	177	0	86	89	-1582	106	88	1582
14	9	UPLIFT	6	3	D6	192	177	0	86	89	-1582	106	88	1582
14	9	UPLIFT	7	1	N	94	78	0	42	39	-700	52	39	700
14	9	UPLIFT	8	1	ADSS	57	30	0	25	15	-272	32	15	272
14	9	UPLIFT	9	1	CATV	95	42	0	42	22	-403	53	20	403
14	9	UPLIFT	10	1	TELE	95	42	0	42	22	-403	53	20	403
14	9	UPLIFT	20	1	DTAP1	121	2187	666	0	0	0	121	2187	666
14	9	UPLIFT	20	2	NTAP1	112	2187	666	0	0	0	112	2187	666
14	9	UPLIFT	33	1	T	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	33	2	M	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	33	3	B	58	0	0	0	0	0	58	0	0
15	28	CAMBER	1	1	SW	57	81	0	26	40	-724	30	41	724
15	28	CAMBER	3	1	TC	299	400	0	137	198	-3563	162	202	3563
15	28	CAMBER	3	2	MC	299	399	0	137	198	-3563	162	201	3563
15	28	CAMBER	3	3	BC	299	398	0	137	197	-3563	162	201	3563
15	28	CAMBER	5	1	D1	192	156	0	86	79	-1391	107	77	1391
15	28	CAMBER	5	2	D2	192	156	0	86	79	-1391	107	77	1391
15	28	CAMBER	5	3	D3	193	156	0	86	79	-1391	107	77	1391
15	28	CAMBER	6	1	D4	193	129	0	85	65	-1147	108	64	1148
15	28	CAMBER	6	2	D5	194	129	0	86	65	-1147	108	64	1148
15	28	CAMBER	6	3	D6	194	129	0	86	65	-1147	108	64	1148
15	28	CAMBER	7	1	N	94	59	0	42	29	-535	53	30	535
15	28	CAMBER	8	1	ADSS	57	26	0	25	13	-232	32	13	232
15	28	CAMBER	9	1	CATV	95	37	0	42	20	-356	53	18	356
15	28	CAMBER	10	1	TELE	95	37	0	42	20	-356	53	18	356
15	28	CAMBER	20	1	DTAP1	114	1298	395	0	0	0	114	1298	395
15	28	CAMBER	20	2	NTAP1	108	1298	395	0	0	0	108	1298	395
15	28	CAMBER	33	1	T	58	0	0	0	0	0	58	0	0
15	28	CAMBER	33	2	M	58	0	0	0	0	0	58	0	0
15	28	CAMBER	33	3	B	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	1	1	SW	56	49	0	26	28	-835	30	22	835
16	8	BLOWOUT DEFLECTION NA+	3	1	TC	298	262	1	137	142	-3837	161	121	3839
16	8	BLOWOUT DEFLECTION NA+	3	2	MC	298	262	1	137	141	-3837	161	120	3839
16	8	BLOWOUT DEFLECTION NA+	3	3	BC	298	261	1	137	141	-3837	161	120	3839
16	8	BLOWOUT DEFLECTION NA+	5	1	D1	191	52	1	86	36	-1645	105	15	1646
16	8	BLOWOUT DEFLECTION NA+	5	2	D2	191	51	1	86	36	-1645	106	15	1646
16	8	BLOWOUT DEFLECTION NA+	5	3	D3	192	51	1	86	36	-1645	106	15	1646
16	8	BLOWOUT DEFLECTION NA+	6	1	D4	192	21	1	86	21	-1372	107	0	1373
16	8	BLOWOUT DEFLECTION NA+	6	2	D5	193	21	1	86	21	-1372	107	0	1373
16	8	BLOWOUT DEFLECTION NA+	6	3	D6	193	21	1	86	21	-1372	107	0	1373
16	8	BLOWOUT DEFLECTION NA+	7	1	N	94	-9	1	42	2	-719	52	-11	720
16	8	BLOWOUT DEFLECTION NA+	8	1	ADSS	56	-51	1	25	-18	-489	31	-33	490
16	8	BLOWOUT DEFLECTION NA+	9	1	CATV	94	-38	1	42	-11	-486	53	-27	486
16	8	BLOWOUT DEFLECTION NA+	10	1	TELE	94	-38	1	42	-11	-486	53	-27	486

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16	8	BLOWOUT DEFLECTION NA+	20	1	DTAP1	116	1506	529	0	0	0	116	1506	529
16	8	BLOWOUT DEFLECTION NA+	20	2	NTAP1	109	1506	529	0	0	0	109	1506	529
16	8	BLOWOUT DEFLECTION NA+	33	1	T	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	33	2	M	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	33	3	B	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	1	1	SW	56	138	0	26	65	-833	30	73	832
17	8	BLOWOUT DEFLECTION NA-	3	1	TC	298	598	-2	137	285	-3829	161	313	3828
17	8	BLOWOUT DEFLECTION NA-	3	2	MC	298	597	-2	137	284	-3829	161	313	3828
17	8	BLOWOUT DEFLECTION NA-	3	3	BC	298	596	-2	137	284	-3829	161	312	3828
17	8	BLOWOUT DEFLECTION NA-	5	1	D1	191	316	-1	86	149	-1638	105	167	1637
17	8	BLOWOUT DEFLECTION NA-	5	2	D2	191	316	-1	86	149	-1638	106	167	1637
17	8	BLOWOUT DEFLECTION NA-	5	3	D3	192	317	-1	86	149	-1638	106	168	1637
17	8	BLOWOUT DEFLECTION NA-	6	1	D4	192	286	-1	86	134	-1366	107	152	1365
17	8	BLOWOUT DEFLECTION NA-	6	2	D5	193	286	-1	86	134	-1366	107	152	1365
17	8	BLOWOUT DEFLECTION NA-	6	3	D6	193	286	-1	86	134	-1366	107	152	1365
17	8	BLOWOUT DEFLECTION NA-	7	1	N	94	168	-1	42	77	-715	52	91	714
17	8	BLOWOUT DEFLECTION NA-	8	1	ADSS	56	159	-1	25	71	-484	31	87	483
17	8	BLOWOUT DEFLECTION NA-	9	1	CATV	94	139	0	42	64	-482	53	75	481
17	8	BLOWOUT DEFLECTION NA-	10	1	TELE	94	139	0	42	64	-482	53	75	481
17	8	BLOWOUT DEFLECTION NA-	20	1	DTAP1	116	1548	401	0	0	0	116	1548	401
17	8	BLOWOUT DEFLECTION NA-	20	2	NTAP1	109	1548	401	0	0	0	109	1548	401
17	8	BLOWOUT DEFLECTION NA-	33	1	T	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	33	2	M	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	33	3	B	58	0	0	0	0	0	58	0	0

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	SW	219	346	0	100	176	-2733	119	170	2734
7	1	NESC MEDIUM NA+ (250B)	3	1	TC	930	1747	1	420	879	-10728	509	867	10730
7	1	NESC MEDIUM NA+ (250B)	3	2	MC	930	1748	1	420	880	-10728	509	868	10730
7	1	NESC MEDIUM NA+ (250B)	3	3	BC	930	1750	1	420	881	-10728	509	868	10729
7	1	NESC MEDIUM NA+ (250B)	5	1	D1	596	636	1	276	326	-4965	320	310	4967
7	1	NESC MEDIUM NA+ (250B)	5	2	D2	597	636	1	276	326	-4965	321	310	4967
7	1	NESC MEDIUM NA+ (250B)	5	3	D3	599	633	1	277	325	-4965	321	309	4967
7	1	NESC MEDIUM NA+ (250B)	6	1	D4	585	457	1	273	236	-4096	312	221	4097
7	1	NESC MEDIUM NA+ (250B)	6	2	D5	585	456	1	273	236	-4096	312	221	4097
7	1	NESC MEDIUM NA+ (250B)	6	3	D6	587	454	1	274	234	-4096	313	219	4097
7	1	NESC MEDIUM NA+ (250B)	7	1	N	334	204	1	156	106	-2457	178	98	2458
7	1	NESC MEDIUM NA+ (250B)	8	1	ADSS	275	28	1	130	18	-1759	146	9	1760
7	1	NESC MEDIUM NA+ (250B)	9	1	CATV	159	30	-1636	159	30	-1636	0	0	0
7	1	NESC MEDIUM NA+ (250B)	10	1	TELE	159	30	-1636	159	30	-1636	0	0	0
7	1	NESC MEDIUM NA+ (250B)	33	1	T	87	0	0	0	0	0	87	0	0
7	1	NESC MEDIUM NA+ (250B)	33	2	M	87	0	0	0	0	0	87	0	0
7	1	NESC MEDIUM NA+ (250B)	33	3	B	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	1	1	SW	219	772	-1	100	383	-2712	119	389	2711
8	1	NESC MEDIUM NA- (250B)	3	1	TC	930	2653	-1	420	1321	-10683	509	1332	10682
8	1	NESC MEDIUM NA- (250B)	3	2	MC	930	2655	-1	420	1322	-10683	509	1333	10682
8	1	NESC MEDIUM NA- (250B)	3	3	BC	930	2657	-1	420	1323	-10683	509	1333	10682
8	1	NESC MEDIUM NA- (250B)	5	1	D1	596	1406	0	276	701	-4926	320	705	4926
8	1	NESC MEDIUM NA- (250B)	5	2	D2	597	1406	0	276	701	-4926	321	705	4926
8	1	NESC MEDIUM NA- (250B)	5	3	D3	599	1407	0	277	701	-4926	321	705	4926
8	1	NESC MEDIUM NA- (250B)	6	1	D4	585	1227	0	273	611	-4057	312	616	4057
8	1	NESC MEDIUM NA- (250B)	6	2	D5	585	1227	0	273	611	-4057	312	616	4057
8	1	NESC MEDIUM NA- (250B)	6	3	D6	587	1228	0	274	611	-4057	313	616	4057
8	1	NESC MEDIUM NA- (250B)	7	1	N	334	803	-1	156	398	-2427	178	405	2426
8	1	NESC MEDIUM NA- (250B)	8	1	ADSS	275	691	-1	130	342	-1726	146	350	1725
8	1	NESC MEDIUM NA- (250B)	9	1	CATV	159	325	-1604	159	325	-1604	0	0	0
8	1	NESC MEDIUM NA- (250B)	10	1	TELE	159	325	-1604	159	325	-1604	0	0	0
8	1	NESC MEDIUM NA- (250B)	33	1	T	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	33	2	M	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	33	3	B	87	0	0	0	0	0	87	0	0
9	4	NCURRENT ICE/WIND NA+ (25	1	1	SW	464	406	0	217	204	-2559	247	202	2559
9	4	NCURRENT ICE/WIND NA+ (25	3	1	TC	1198	1572	0	552	788	-8528	646	783	8528
9	4	NCURRENT ICE/WIND NA+ (25	3	2	MC	1198	1573	1	552	789	-8528	646	784	8528
9	4	NCURRENT ICE/WIND NA+ (25	3	3	BC	1198	1574	1	552	790	-8528	646	784	8528
9	4	NCURRENT ICE/WIND NA+ (25	5	1	D1	891	807	1	417	408	-4697	475	398	4698
9	4	NCURRENT ICE/WIND NA+ (25	5	2	D2	892	806	1	417	408	-4697	475	398	4698
9	4	NCURRENT ICE/WIND NA+ (25	5	3	D3	895	805	1	419	407	-4697	476	398	4698
9	4	NCURRENT ICE/WIND NA+ (25	6	1	D4	881	679	1	414	344	-4078	467	335	4079
9	4	NCURRENT ICE/WIND NA+ (25	6	2	D5	882	678	1	414	344	-4078	467	335	4079
9	4	NCURRENT ICE/WIND NA+ (25	6	3	D6	884	677	1	416	343	-4078	469	334	4079
9	4	NCURRENT ICE/WIND NA+ (25	7	1	N	620	397	0	292	201	-2612	328	196	2613
9	4	NCURRENT ICE/WIND NA+ (25	8	1	ADSS	603	308	0	286	156	-2216	318	152	2217
9	4	NCURRENT ICE/WIND NA+ (25	9	1	CATV	293	136	-1873	293	136	-1873	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	10	1	TELE	293	136	-1873	293	136	-1873	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	33	1	T	64	0	0	0	0	0	64	0	0
9	4	NCURRENT ICE/WIND NA+ (25	33	2	M	64	0	0	0	0	0	64	0	0
9	4	NCURRENT ICE/WIND NA+ (25	33	3	B	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (25	1	1	SW	464	642	0	217	320	-2547	247	323	2547
10	4	NCURRENT ICE/WIND NA- (25	3	1	TC	1198	1929	0	552	963	-8510	646	967	8510
10	4	NCURRENT ICE/WIND NA- (25	3	2	MC	1198	1931	0	552	964	-8510	646	967	8509
10	4	NCURRENT ICE/WIND NA- (25	3	3	BC	1198	1932	0	552	964	-8510	646	968	8509
10	4	NCURRENT ICE/WIND NA- (25	5	1	D1	891	1130	0	417	566	-4681	475	564	4681
10	4	NCURRENT ICE/WIND NA- (25	5	2	D2	892	1130	0	417	566	-4681	475	564	4681
10	4	NCURRENT ICE/WIND NA- (25	5	3	D3	895	1129	0	419	565	-4681	476	564	4681
10	4	NCURRENT ICE/WIND NA- (25	6	1	D4	881	1002	0	414	501	-4062	467	500	4062

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10	4	NCURRENT ICE/WIND NA- (25	6	2	D5	882	1002	0	414	501	-4062	467	500	4062
10	4	NCURRENT ICE/WIND NA- (25	6	3	D6	884	1002	0	416	501	-4062	469	500	4062
10	4	NCURRENT ICE/WIND NA- (25	7	1	N	620	677	0	292	337	-2598	328	340	2598
10	4	NCURRENT ICE/WIND NA- (25	8	1	ADSS	603	604	0	286	300	-2201	318	304	2201
10	4	NCURRENT ICE/WIND NA- (25	9	1	CATV	293	273	-1858	293	273	-1858	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	10	1	TELE	293	273	-1858	293	273	-1858	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	33	1	T	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (25	33	2	M	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (25	33	3	B	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	1	1	SW	109	96	1	46	51	-1836	63	45	1836
11	3	EXTREME WIND NA+ (250C)	3	1	TC	532	414	2	233	219	-7105	299	195	7107
11	3	EXTREME WIND NA+ (250C)	3	2	MC	532	432	2	233	228	-7104	299	204	7106
11	3	EXTREME WIND NA+ (250C)	3	3	BC	532	452	2	233	238	-7103	299	214	7105
11	3	EXTREME WIND NA+ (250C)	5	1	D1	324	48	2	143	35	-4011	181	13	4012
11	3	EXTREME WIND NA+ (250C)	5	2	D2	325	47	2	143	35	-4011	181	12	4013
11	3	EXTREME WIND NA+ (250C)	5	3	D3	325	44	2	144	33	-4011	182	11	4013
11	3	EXTREME WIND NA+ (250C)	6	1	D4	316	-42	2	141	-10	-3499	175	-32	3500
11	3	EXTREME WIND NA+ (250C)	6	2	D5	316	-43	2	141	-10	-3499	175	-32	3501
11	3	EXTREME WIND NA+ (250C)	6	3	D6	317	-46	2	141	-12	-3499	175	-34	3501
11	3	EXTREME WIND NA+ (250C)	7	1	N	162	-65	1	71	-26	-2090	91	-38	2091
11	3	EXTREME WIND NA+ (250C)	8	1	ADSS	110	-172	1	46	-79	-2005	64	-93	2007
11	3	EXTREME WIND NA+ (250C)	9	1	CATV	73	-78	-1518	73	-78	-1518	0	0	0
11	3	EXTREME WIND NA+ (250C)	10	1	TELE	73	-77	-1518	73	-77	-1518	0	0	0
11	3	EXTREME WIND NA+ (250C)	33	1	T	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	33	2	M	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	33	3	B	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	1	1	SW	109	652	-1	46	323	-1808	63	329	1807
12	3	EXTREME WIND NA- (250C)	3	1	TC	532	2485	-3	233	1231	-7001	299	1254	6999
12	3	EXTREME WIND NA- (250C)	3	2	MC	532	2469	-3	233	1223	-7002	299	1246	6999
12	3	EXTREME WIND NA- (250C)	3	3	BC	532	2452	-3	233	1215	-7003	299	1237	7000
12	3	EXTREME WIND NA- (250C)	5	1	D1	324	1592	-1	143	789	-3933	181	802	3931
12	3	EXTREME WIND NA- (250C)	5	2	D2	325	1592	-1	143	790	-3933	181	803	3931
12	3	EXTREME WIND NA- (250C)	5	3	D3	325	1594	-1	144	791	-3933	182	804	3931
12	3	EXTREME WIND NA- (250C)	6	1	D4	316	1471	-1	141	729	-3422	175	742	3421
12	3	EXTREME WIND NA- (250C)	6	2	D5	316	1471	-1	141	729	-3422	175	742	3421
12	3	EXTREME WIND NA- (250C)	6	3	D6	317	1473	-1	141	730	-3422	175	743	3421
12	3	EXTREME WIND NA- (250C)	7	1	N	162	916	-1	71	453	-2040	91	463	2039
12	3	EXTREME WIND NA- (250C)	8	1	ADSS	110	987	-1	46	488	-1947	64	500	1945
12	3	EXTREME WIND NA- (250C)	9	1	CATV	73	405	-1467	73	405	-1467	0	0	0
12	3	EXTREME WIND NA- (250C)	10	1	TELE	73	404	-1467	73	404	-1467	0	0	0
12	3	EXTREME WIND NA- (250C)	33	1	T	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	33	2	M	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	33	3	B	64	0	0	0	0	0	64	0	0
13	6	EXTREME ICE	1	1	SW	419	449	0	196	225	-2190	223	225	2190
13	6	EXTREME ICE	3	1	TC	1077	1455	0	498	728	-7080	579	727	7080
13	6	EXTREME ICE	3	2	MC	1077	1456	0	498	728	-7080	579	728	7080
13	6	EXTREME ICE	3	3	BC	1077	1457	0	498	729	-7080	579	728	7080
13	6	EXTREME ICE	5	1	D1	805	816	0	377	410	-3953	428	406	3954
13	6	EXTREME ICE	5	2	D2	806	816	0	378	410	-3953	428	406	3954
13	6	EXTREME ICE	5	3	D3	808	815	0	379	410	-3953	429	405	3954
13	6	EXTREME ICE	6	1	D4	797	713	0	375	358	-3451	421	354	3451
13	6	EXTREME ICE	6	2	D5	797	712	0	376	358	-3451	422	354	3451
13	6	EXTREME ICE	6	3	D6	800	712	0	377	358	-3451	423	354	3451
13	6	EXTREME ICE	7	1	N	561	458	0	265	230	-2223	296	229	2223
13	6	EXTREME ICE	8	1	ADSS	546	383	0	259	192	-1858	287	191	1858
13	6	EXTREME ICE	9	1	CATV	266	176	-1607	266	176	-1607	0	0	0
13	6	EXTREME ICE	10	1	TELE	266	176	-1607	266	176	-1607	0	0	0
13	6	EXTREME ICE	33	1	T	58	0	0	0	0	0	58	0	0
13	6	EXTREME ICE	33	2	M	58	0	0	0	0	0	58	0	0
13	6	EXTREME ICE	33	3	B	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	1	1	SW	89	231	0	39	115	-1124	50	115	1124
14	9	UPLIFT	3	1	TC	485	1329	0	212	665	-6469	273	665	6469
14	9	UPLIFT	3	2	MC	485	1330	0	212	665	-6468	273	665	6469

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14	9	UPLIFT	3	3	BC	485	1331	0	212	666	-6468	273	665	6469
14	9	UPLIFT	5	1	D1	269	446	0	123	224	-2158	146	222	2159
14	9	UPLIFT	5	2	D2	270	446	0	123	224	-2158	146	221	2159
14	9	UPLIFT	5	3	D3	270	445	0	124	224	-2158	147	221	2159
14	9	UPLIFT	6	1	D4	259	325	0	121	164	-1576	139	162	1576
14	9	UPLIFT	6	2	D5	260	325	0	121	164	-1576	139	162	1576
14	9	UPLIFT	6	3	D6	260	325	0	121	164	-1576	139	162	1576
14	9	UPLIFT	7	1	N	126	144	0	59	72	-698	67	72	698
14	9	UPLIFT	8	1	ADSS	73	56	0	35	28	-271	38	28	271
14	9	UPLIFT	9	1	CATV	61	44	-401	61	44	-401	0	0	0
14	9	UPLIFT	10	1	TELE	61	44	-401	61	44	-401	0	0	0
14	9	UPLIFT	33	1	T	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	33	2	M	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	33	3	B	58	0	0	0	0	0	58	0	0
15	28	CAMBER	1	1	SW	82	148	0	37	74	-722	45	74	722
15	28	CAMBER	3	1	TC	432	730	0	198	365	-3550	235	365	3550
15	28	CAMBER	3	2	MC	432	730	0	198	365	-3550	235	365	3550
15	28	CAMBER	3	3	BC	432	731	0	197	366	-3550	235	365	3550
15	28	CAMBER	5	1	D1	256	286	0	120	144	-1386	137	142	1386
15	28	CAMBER	5	2	D2	256	286	0	120	144	-1386	137	142	1386
15	28	CAMBER	5	3	D3	257	286	0	120	144	-1386	137	142	1386
15	28	CAMBER	6	1	D4	252	236	0	119	119	-1143	133	117	1143
15	28	CAMBER	6	2	D5	252	236	0	119	119	-1143	134	117	1143
15	28	CAMBER	6	3	D6	253	236	0	119	119	-1143	134	117	1143
15	28	CAMBER	7	1	N	123	110	0	58	55	-533	65	55	533
15	28	CAMBER	8	1	ADSS	72	48	0	34	24	-231	38	24	231
15	28	CAMBER	9	1	CATV	61	39	-354	61	39	-354	0	0	0
15	28	CAMBER	10	1	TELE	61	39	-354	61	39	-354	0	0	0
15	28	CAMBER	33	1	T	58	0	0	0	0	0	58	0	0
15	28	CAMBER	33	2	M	58	0	0	0	0	0	58	0	0
15	28	CAMBER	33	3	B	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	1	1	SW	84	119	0	38	60	-833	46	59	833
16	8	BLOWOUT DEFLECTION NA+	3	1	TC	437	588	0	199	297	-3829	238	292	3829
16	8	BLOWOUT DEFLECTION NA+	3	2	MC	437	589	0	199	297	-3829	238	292	3829
16	8	BLOWOUT DEFLECTION NA+	3	3	BC	437	590	0	199	298	-3829	238	292	3829
16	8	BLOWOUT DEFLECTION NA+	5	1	D1	260	182	0	121	94	-1643	140	88	1644
16	8	BLOWOUT DEFLECTION NA+	5	2	D2	261	182	0	121	94	-1643	140	88	1644
16	8	BLOWOUT DEFLECTION NA+	5	3	D3	261	181	0	121	94	-1643	140	88	1644
16	8	BLOWOUT DEFLECTION NA+	6	1	D4	256	126	0	120	66	-1372	136	60	1372
16	8	BLOWOUT DEFLECTION NA+	6	2	D5	256	126	0	120	66	-1372	136	60	1372
16	8	BLOWOUT DEFLECTION NA+	6	3	D6	257	125	0	120	65	-1372	137	60	1372
16	8	BLOWOUT DEFLECTION NA+	7	1	N	126	44	0	59	23	-719	67	20	720
16	8	BLOWOUT DEFLECTION NA+	8	1	ADSS	77	-23	0	36	-10	-491	41	-13	491
16	8	BLOWOUT DEFLECTION NA+	9	1	CATV	62	1	-487	62	1	-487	0	0	0
16	8	BLOWOUT DEFLECTION NA+	10	1	TELE	62	1	-487	62	1	-487	0	0	0
16	8	BLOWOUT DEFLECTION NA+	33	1	T	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	33	2	M	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	33	3	B	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	1	1	SW	84	222	0	38	111	-828	46	112	828
17	8	BLOWOUT DEFLECTION NA-	3	1	TC	437	981	-1	199	488	-3809	238	493	3809
17	8	BLOWOUT DEFLECTION NA-	3	2	MC	437	982	-1	199	489	-3809	238	493	3809
17	8	BLOWOUT DEFLECTION NA-	3	3	BC	437	982	0	199	489	-3809	238	493	3809
17	8	BLOWOUT DEFLECTION NA-	5	1	D1	260	493	0	121	245	-1627	140	247	1627
17	8	BLOWOUT DEFLECTION NA-	5	2	D2	261	493	0	121	245	-1627	140	247	1627
17	8	BLOWOUT DEFLECTION NA-	5	3	D3	261	493	0	121	246	-1627	140	248	1627
17	8	BLOWOUT DEFLECTION NA-	6	1	D4	256	437	0	120	217	-1356	136	220	1356
17	8	BLOWOUT DEFLECTION NA-	6	2	D5	256	437	0	120	217	-1356	136	220	1356
17	8	BLOWOUT DEFLECTION NA-	6	3	D6	257	437	0	120	218	-1356	137	220	1356
17	8	BLOWOUT DEFLECTION NA-	7	1	N	126	251	0	59	124	-709	67	127	709
17	8	BLOWOUT DEFLECTION NA-	8	1	ADSS	77	223	0	36	110	-478	41	113	478
17	8	BLOWOUT DEFLECTION NA-	9	1	CATV	62	104	-476	62	104	-476	0	0	0
17	8	BLOWOUT DEFLECTION NA-	10	1	TELE	62	104	-476	62	104	-476	0	0	0
17	8	BLOWOUT DEFLECTION NA-	33	1	T	58	0	0	0	0	0	58	0	0

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17	8	BLOWOUT DEFLECTION NA-	33	2	M	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	33	3	B	58	0	0	0	0	0	58	0	0

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	SW	143	115	-1	74	52	-2738	69	63	2738
7	1	NESC MEDIUM NA+ (250B)	3	1	TC	549	827	-1	282	402	-10757	267	425	10756
7	1	NESC MEDIUM NA+ (250B)	3	2	MC	549	826	-1	282	402	-10757	267	424	10756
7	1	NESC MEDIUM NA+ (250B)	3	3	BC	549	825	-1	282	401	-10757	267	423	10756
7	1	NESC MEDIUM NA+ (250B)	5	1	D1	426	208	-1	222	96	-4975	204	112	4974
7	1	NESC MEDIUM NA+ (250B)	5	2	D2	427	208	-1	222	96	-4975	205	112	4974
7	1	NESC MEDIUM NA+ (250B)	5	3	D3	428	207	-1	223	96	-4975	205	111	4974
7	1	NESC MEDIUM NA+ (250B)	6	1	D4	442	106	-1	231	45	-4103	212	61	4102
7	1	NESC MEDIUM NA+ (250B)	6	2	D5	443	105	-1	231	45	-4103	212	61	4102
7	1	NESC MEDIUM NA+ (250B)	6	3	D6	444	104	-1	232	44	-4103	212	60	4102
7	1	NESC MEDIUM NA+ (250B)	7	1	N	254	-4	-1	132	-9	-2460	122	5	2459
7	1	NESC MEDIUM NA+ (250B)	8	1	ADSS	218	-118	-1	114	-68	-1759	104	-51	1758
7	1	NESC MEDIUM NA+ (250B)	33	1	T	87	0	0	0	0	0	87	0	0
7	1	NESC MEDIUM NA+ (250B)	33	2	M	87	0	0	0	0	0	87	0	0
7	1	NESC MEDIUM NA+ (250B)	33	3	B	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	1	1	SW	143	532	1	74	271	-2725	69	260	2726
8	1	NESC MEDIUM NA- (250B)	3	1	TC	549	1714	1	282	869	-10729	267	845	10731
8	1	NESC MEDIUM NA- (250B)	3	2	MC	549	1713	1	282	868	-10730	267	845	10731
8	1	NESC MEDIUM NA- (250B)	3	3	BC	549	1711	1	282	867	-10730	267	844	10731
8	1	NESC MEDIUM NA- (250B)	5	1	D1	426	961	2	222	492	-4952	204	469	4953
8	1	NESC MEDIUM NA- (250B)	5	2	D2	427	961	2	222	492	-4952	205	469	4953
8	1	NESC MEDIUM NA- (250B)	5	3	D3	428	962	2	223	493	-4952	205	469	4953
8	1	NESC MEDIUM NA- (250B)	6	1	D4	442	858	2	231	440	-4079	212	418	4081
8	1	NESC MEDIUM NA- (250B)	6	2	D5	443	859	2	231	441	-4079	212	418	4081
8	1	NESC MEDIUM NA- (250B)	6	3	D6	444	860	2	232	442	-4079	212	418	4081
8	1	NESC MEDIUM NA- (250B)	7	1	N	254	581	1	132	298	-2441	122	283	2442
8	1	NESC MEDIUM NA- (250B)	8	1	ADSS	218	530	1	114	273	-1739	104	256	1740
8	1	NESC MEDIUM NA- (250B)	33	1	T	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	33	2	M	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	33	3	B	87	0	0	0	0	0	87	0	0
9	4	NCURRENT ICE/WIND NA+ (25	1	1	SW	348	188	0	181	91	-2566	167	97	2565
9	4	NCURRENT ICE/WIND NA+ (25	3	1	TC	820	836	-1	425	414	-8554	395	422	8554
9	4	NCURRENT ICE/WIND NA+ (25	3	2	MC	820	835	0	425	413	-8554	395	422	8554
9	4	NCURRENT ICE/WIND NA+ (25	3	3	BC	820	834	0	425	413	-8554	395	421	8554
9	4	NCURRENT ICE/WIND NA+ (25	5	1	D1	681	396	0	355	196	-4711	326	201	4710
9	4	NCURRENT ICE/WIND NA+ (25	5	2	D2	682	396	0	356	196	-4711	326	200	4710
9	4	NCURRENT ICE/WIND NA+ (25	5	3	D3	684	396	0	358	196	-4711	326	200	4710
9	4	NCURRENT ICE/WIND NA+ (25	6	1	D4	695	323	0	363	159	-4089	332	164	4089
9	4	NCURRENT ICE/WIND NA+ (25	6	2	D5	696	323	0	364	159	-4089	332	164	4089
9	4	NCURRENT ICE/WIND NA+ (25	6	3	D6	698	323	0	366	159	-4089	333	164	4089
9	4	NCURRENT ICE/WIND NA+ (25	7	1	N	498	171	0	260	82	-2619	238	89	2618
9	4	NCURRENT ICE/WIND NA+ (25	8	1	ADSS	498	116	0	260	54	-2221	237	62	2221
9	4	NCURRENT ICE/WIND NA+ (25	33	1	T	64	0	0	0	0	0	64	0	0
9	4	NCURRENT ICE/WIND NA+ (25	33	2	M	64	0	0	0	0	0	64	0	0
9	4	NCURRENT ICE/WIND NA+ (25	33	3	B	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (25	1	1	SW	348	419	0	181	212	-2558	167	206	2559
10	4	NCURRENT ICE/WIND NA- (25	3	1	TC	820	1186	1	425	598	-8543	395	588	8544
10	4	NCURRENT ICE/WIND NA- (25	3	2	MC	820	1185	1	425	597	-8543	395	588	8544
10	4	NCURRENT ICE/WIND NA- (25	3	3	BC	820	1184	1	425	597	-8543	395	587	8544
10	4	NCURRENT ICE/WIND NA- (25	5	1	D1	681	712	1	355	362	-4701	326	350	4702
10	4	NCURRENT ICE/WIND NA- (25	5	2	D2	682	712	1	356	362	-4701	326	350	4702
10	4	NCURRENT ICE/WIND NA- (25	5	3	D3	684	713	1	358	363	-4701	326	350	4702
10	4	NCURRENT ICE/WIND NA- (25	6	1	D4	695	639	1	363	325	-4080	332	314	4080
10	4	NCURRENT ICE/WIND NA- (25	6	2	D5	696	639	1	364	325	-4080	332	314	4080
10	4	NCURRENT ICE/WIND NA- (25	6	3	D6	698	640	1	366	326	-4080	333	314	4080
10	4	NCURRENT ICE/WIND NA- (25	7	1	N	498	444	0	260	226	-2610	238	218	2611
10	4	NCURRENT ICE/WIND NA- (25	8	1	ADSS	498	405	0	260	207	-2212	237	199	2213
10	4	NCURRENT ICE/WIND NA- (25	33	1	T	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (25	33	2	M	64	0	0	0	0	0	64	0	0

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10	4	NCURRENT ICE/WIND NA- (25	33	3	B	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	1	1	SW	32	-55	-1	15	-34	-1836	17	-20	1836
11	3	EXTREME WIND NA+ (250C)	3	1	TC	231	-173	-3	117	-113	-7109	115	-61	7106
11	3	EXTREME WIND NA+ (250C)	3	2	MC	231	-157	-3	116	-104	-7109	115	-53	7106
11	3	EXTREME WIND NA+ (250C)	3	3	BC	231	-139	-3	116	-95	-7108	115	-44	7105
11	3	EXTREME WIND NA+ (250C)	5	1	D1	157	-282	-2	80	-160	-4009	77	-122	4007
11	3	EXTREME WIND NA+ (250C)	5	2	D2	158	-282	-2	81	-160	-4009	77	-122	4007
11	3	EXTREME WIND NA+ (250C)	5	3	D3	159	-284	-2	81	-161	-4009	77	-123	4007
11	3	EXTREME WIND NA+ (250C)	6	1	D4	169	-326	-2	87	-182	-3496	82	-144	3493
11	3	EXTREME WIND NA+ (250C)	6	2	D5	170	-327	-2	87	-182	-3496	82	-144	3493
11	3	EXTREME WIND NA+ (250C)	6	3	D6	170	-328	-3	88	-183	-3496	83	-145	3493
11	3	EXTREME WIND NA+ (250C)	7	1	N	73	-232	-2	37	-129	-2087	36	-103	2085
11	3	EXTREME WIND NA+ (250C)	8	1	ADSS	27	-329	-2	13	-181	-2001	14	-149	1999
11	3	EXTREME WIND NA+ (250C)	33	1	T	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	33	2	M	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	33	3	B	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	1	1	SW	32	488	1	15	251	-1819	17	237	1820
12	3	EXTREME WIND NA- (250C)	3	1	TC	231	1847	3	117	950	-7046	115	897	7050
12	3	EXTREME WIND NA- (250C)	3	2	MC	231	1829	3	116	941	-7047	115	889	7050
12	3	EXTREME WIND NA- (250C)	3	3	BC	231	1810	3	116	931	-7047	115	879	7051
12	3	EXTREME WIND NA- (250C)	5	1	D1	157	1221	3	80	632	-3962	77	589	3965
12	3	EXTREME WIND NA- (250C)	5	2	D2	158	1221	3	81	633	-3962	77	589	3965
12	3	EXTREME WIND NA- (250C)	5	3	D3	159	1223	3	81	634	-3962	77	589	3965
12	3	EXTREME WIND NA- (250C)	6	1	D4	169	1145	3	87	594	-3450	82	551	3453
12	3	EXTREME WIND NA- (250C)	6	2	D5	170	1145	3	87	594	-3450	82	551	3453
12	3	EXTREME WIND NA- (250C)	6	3	D6	170	1147	3	88	596	-3450	83	551	3453
12	3	EXTREME WIND NA- (250C)	7	1	N	73	720	2	37	374	-2057	36	346	2059
12	3	EXTREME WIND NA- (250C)	8	1	ADSS	27	796	2	13	414	-1966	14	382	1968
12	3	EXTREME WIND NA- (250C)	33	1	T	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	33	2	M	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	33	3	B	64	0	0	0	0	0	64	0	0
13	6	EXTREME ICE	1	1	SW	319	260	0	166	130	-2198	153	130	2198
13	6	EXTREME ICE	3	1	TC	761	840	0	395	420	-7105	366	420	7105
13	6	EXTREME ICE	3	2	MC	761	839	0	395	420	-7105	366	419	7105
13	6	EXTREME ICE	3	3	BC	761	839	0	395	420	-7105	366	419	7105
13	6	EXTREME ICE	5	1	D1	626	467	0	327	235	-3968	299	232	3968
13	6	EXTREME ICE	5	2	D2	627	467	0	327	235	-3968	299	232	3968
13	6	EXTREME ICE	5	3	D3	629	468	0	329	236	-3968	300	232	3968
13	6	EXTREME ICE	6	1	D4	638	408	0	333	205	-3463	305	203	3464
13	6	EXTREME ICE	6	2	D5	639	408	0	334	205	-3463	305	203	3464
13	6	EXTREME ICE	6	3	D6	641	408	0	335	206	-3463	305	202	3464
13	6	EXTREME ICE	7	1	N	456	263	0	238	131	-2231	218	131	2231
13	6	EXTREME ICE	8	1	ADSS	456	219	0	239	110	-1864	217	110	1864
13	6	EXTREME ICE	33	1	T	58	0	0	0	0	0	58	0	0
13	6	EXTREME ICE	33	2	M	58	0	0	0	0	0	58	0	0
13	6	EXTREME ICE	33	3	B	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	1	1	SW	41	134	0	21	67	-1128	21	67	1128
14	9	UPLIFT	3	1	TC	209	768	0	105	384	-6491	104	384	6491
14	9	UPLIFT	3	2	MC	209	767	0	105	384	-6491	104	383	6491
14	9	UPLIFT	3	3	BC	209	766	0	105	383	-6491	104	383	6491
14	9	UPLIFT	5	1	D1	176	255	0	91	128	-2166	85	127	2166
14	9	UPLIFT	5	2	D2	177	255	0	92	128	-2166	85	127	2166
14	9	UPLIFT	5	3	D3	177	255	0	92	129	-2166	85	127	2166
14	9	UPLIFT	6	1	D4	190	186	0	99	94	-1582	91	93	1582
14	9	UPLIFT	6	2	D5	190	186	0	99	94	-1582	91	93	1582
14	9	UPLIFT	6	3	D6	191	186	0	99	94	-1582	91	92	1582
14	9	UPLIFT	7	1	N	94	82	0	49	41	-700	45	41	700
14	9	UPLIFT	8	1	ADSS	60	32	0	31	16	-272	29	16	272
14	9	UPLIFT	33	1	T	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	33	2	M	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	33	3	B	58	0	0	0	0	0	58	0	0
15	28	CAMBER	1	1	SW	51	86	0	26	43	-724	25	43	724
15	28	CAMBER	3	1	TC	277	421	0	143	211	-3563	134	211	3563

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15	28	CAMBER	3	2	MC	277	421	0	143	211	-3563	134	210	3563
15	28	CAMBER	3	3	BC	277	420	0	143	210	-3563	134	210	3563
15	28	CAMBER	5	1	D1	194	164	0	101	82	-1391	93	81	1391
15	28	CAMBER	5	2	D2	194	164	0	101	82	-1391	93	81	1391
15	28	CAMBER	5	3	D3	195	164	0	102	83	-1391	93	81	1391
15	28	CAMBER	6	1	D4	200	135	0	104	68	-1147	96	67	1147
15	28	CAMBER	6	2	D5	200	135	0	105	68	-1147	96	67	1147
15	28	CAMBER	6	3	D6	201	135	0	105	68	-1147	96	67	1147
15	28	CAMBER	7	1	N	98	63	0	51	32	-535	47	31	535
15	28	CAMBER	8	1	ADSS	61	27	0	32	14	-231	29	14	231
15	28	CAMBER	33	1	T	58	0	0	0	0	0	58	0	0
15	28	CAMBER	33	2	M	58	0	0	0	0	0	58	0	0
15	28	CAMBER	33	3	B	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	1	1	SW	48	48	0	25	23	-835	24	25	835
16	8	BLOWOUT DEFLECTION NA+	3	1	TC	270	261	-1	139	126	-3838	131	135	3838
16	8	BLOWOUT DEFLECTION NA+	3	2	MC	270	261	-1	139	125	-3838	131	135	3838
16	8	BLOWOUT DEFLECTION NA+	3	3	BC	270	260	-1	139	125	-3838	131	135	3838
16	8	BLOWOUT DEFLECTION NA+	5	1	D1	189	41	0	98	17	-1646	90	24	1645
16	8	BLOWOUT DEFLECTION NA+	5	2	D2	189	41	0	98	17	-1646	90	24	1645
16	8	BLOWOUT DEFLECTION NA+	5	3	D3	189	41	0	99	17	-1646	91	24	1645
16	8	BLOWOUT DEFLECTION NA+	6	1	D4	195	9	0	102	1	-1374	93	8	1373
16	8	BLOWOUT DEFLECTION NA+	6	2	D5	195	9	0	102	1	-1374	93	8	1373
16	8	BLOWOUT DEFLECTION NA+	6	3	D6	196	9	0	102	1	-1374	94	8	1373
16	8	BLOWOUT DEFLECTION NA+	7	1	N	94	-17	0	49	-11	-720	45	-6	720
16	8	BLOWOUT DEFLECTION NA+	8	1	ADSS	55	-63	0	29	-35	-490	27	-28	490
16	8	BLOWOUT DEFLECTION NA+	33	1	T	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	33	2	M	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	33	3	B	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	1	1	SW	48	149	0	25	76	-832	24	73	832
17	8	BLOWOUT DEFLECTION NA-	3	1	TC	270	645	1	139	328	-3826	131	318	3827
17	8	BLOWOUT DEFLECTION NA-	3	2	MC	270	645	1	139	328	-3827	131	317	3827
17	8	BLOWOUT DEFLECTION NA-	3	3	BC	270	644	1	139	327	-3827	131	317	3827
17	8	BLOWOUT DEFLECTION NA-	5	1	D1	189	345	1	98	177	-1636	90	168	1637
17	8	BLOWOUT DEFLECTION NA-	5	2	D2	189	345	1	98	177	-1636	90	168	1637
17	8	BLOWOUT DEFLECTION NA-	5	3	D3	189	346	1	99	178	-1636	91	168	1637
17	8	BLOWOUT DEFLECTION NA-	6	1	D4	195	313	1	102	161	-1364	93	152	1365
17	8	BLOWOUT DEFLECTION NA-	6	2	D5	195	313	1	102	161	-1364	93	152	1365
17	8	BLOWOUT DEFLECTION NA-	6	3	D6	196	314	1	102	162	-1364	94	152	1365
17	8	BLOWOUT DEFLECTION NA-	7	1	N	94	186	0	49	96	-714	45	90	714
17	8	BLOWOUT DEFLECTION NA-	8	1	ADSS	55	178	0	29	92	-482	27	86	483
17	8	BLOWOUT DEFLECTION NA-	33	1	T	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	33	2	M	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	33	3	B	58	0	0	0	0	0	58	0	0

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	SW	146	97	-1	82	35	-2738	64	63	2737
7	1	NESC MEDIUM NA+ (250B)	3	1	TC	587	695	-3	330	316	-10760	257	378	10757
7	1	NESC MEDIUM NA+ (250B)	3	2	MC	587	694	-3	330	316	-10760	257	378	10757
7	1	NESC MEDIUM NA+ (250B)	3	3	BC	587	694	-3	330	316	-10760	257	378	10757
7	1	NESC MEDIUM NA+ (250B)	5	1	D1	412	178	-2	233	67	-4975	178	112	4973
7	1	NESC MEDIUM NA+ (250B)	5	2	D2	412	178	-2	234	67	-4975	179	111	4973
7	1	NESC MEDIUM NA+ (250B)	5	3	D3	413	177	-2	234	66	-4975	179	111	4973
7	1	NESC MEDIUM NA+ (250B)	6	1	D4	415	92	-2	236	23	-4102	179	69	4100
7	1	NESC MEDIUM NA+ (250B)	6	2	D5	415	92	-2	236	23	-4102	179	68	4100
7	1	NESC MEDIUM NA+ (250B)	6	3	D6	417	91	-2	237	23	-4102	180	68	4100
7	1	NESC MEDIUM NA+ (250B)	7	1	N	237	-1	-2	135	-20	-2459	102	19	2457
7	1	NESC MEDIUM NA+ (250B)	8	1	ADSS	200	-97	-2	114	-70	-1758	86	-27	1755
7	1	NESC MEDIUM NA+ (250B)	20	1	DTAP1	185	4933	85	0	0	0	185	4933	85
7	1	NESC MEDIUM NA+ (250B)	20	2	NTAP1	150	4934	85	0	0	0	150	4934	85
7	1	NESC MEDIUM NA+ (250B)	33	1	T	87	0	0	0	0	0	87	0	0
7	1	NESC MEDIUM NA+ (250B)	33	2	M	87	0	0	0	0	0	87	0	0
7	1	NESC MEDIUM NA+ (250B)	33	3	B	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	1	1	SW	146	444	1	82	235	-2729	64	209	2730
8	1	NESC MEDIUM NA- (250B)	3	1	TC	587	1433	3	330	743	-10739	257	689	10741
8	1	NESC MEDIUM NA- (250B)	3	2	MC	587	1432	3	330	743	-10739	257	689	10741
8	1	NESC MEDIUM NA- (250B)	3	3	BC	587	1432	3	330	743	-10739	257	689	10741
8	1	NESC MEDIUM NA- (250B)	5	1	D1	412	804	3	233	429	-4957	178	375	4960
8	1	NESC MEDIUM NA- (250B)	5	2	D2	412	804	3	234	429	-4957	179	376	4960
8	1	NESC MEDIUM NA- (250B)	5	3	D3	413	805	3	234	429	-4957	179	376	4960
8	1	NESC MEDIUM NA- (250B)	6	1	D4	415	718	3	236	385	-4084	179	333	4087
8	1	NESC MEDIUM NA- (250B)	6	2	D5	415	718	3	236	385	-4084	179	333	4087
8	1	NESC MEDIUM NA- (250B)	6	3	D6	417	719	3	237	385	-4084	180	333	4087
8	1	NESC MEDIUM NA- (250B)	7	1	N	237	485	2	135	261	-2445	102	224	2447
8	1	NESC MEDIUM NA- (250B)	8	1	ADSS	200	442	2	114	242	-1742	86	201	1744
8	1	NESC MEDIUM NA- (250B)	20	1	DTAP1	185	4938	-56	0	0	0	185	4938	-56
8	1	NESC MEDIUM NA- (250B)	20	2	NTAP1	150	4938	-56	0	0	0	150	4938	-56
8	1	NESC MEDIUM NA- (250B)	33	1	T	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	33	2	M	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	33	3	B	87	0	0	0	0	0	87	0	0
9	4	NCURRENT ICE/WIND NA+ (25	1	1	SW	328	158	-1	186	71	-2566	142	87	2565
9	4	NCURRENT ICE/WIND NA+ (25	3	1	TC	808	701	-1	458	338	-8558	350	363	8556
9	4	NCURRENT ICE/WIND NA+ (25	3	2	MC	808	701	-1	458	337	-8558	350	363	8556
9	4	NCURRENT ICE/WIND NA+ (25	3	3	BC	808	700	-1	458	337	-8558	350	363	8556
9	4	NCURRENT ICE/WIND NA+ (25	5	1	D1	635	334	-1	362	159	-4712	273	176	4711
9	4	NCURRENT ICE/WIND NA+ (25	5	2	D2	635	334	-1	362	159	-4712	273	176	4711
9	4	NCURRENT ICE/WIND NA+ (25	5	3	D3	637	334	-1	362	159	-4712	275	175	4711
9	4	NCURRENT ICE/WIND NA+ (25	6	1	D4	638	273	-1	364	128	-4090	274	145	4090
9	4	NCURRENT ICE/WIND NA+ (25	6	2	D5	638	273	-1	364	128	-4090	274	145	4090
9	4	NCURRENT ICE/WIND NA+ (25	6	3	D6	640	272	-1	365	128	-4090	275	145	4090
9	4	NCURRENT ICE/WIND NA+ (25	7	1	N	452	145	-1	259	63	-2619	194	82	2618
9	4	NCURRENT ICE/WIND NA+ (25	8	1	ADSS	446	99	-1	256	39	-2221	191	59	2220
9	4	NCURRENT ICE/WIND NA+ (25	20	1	DTAP1	235	3856	41	0	0	0	235	3856	41
9	4	NCURRENT ICE/WIND NA+ (25	20	2	NTAP1	200	3856	41	0	0	0	200	3856	41
9	4	NCURRENT ICE/WIND NA+ (25	33	1	T	64	0	0	0	0	0	64	0	0
9	4	NCURRENT ICE/WIND NA+ (25	33	2	M	64	0	0	0	0	0	64	0	0
9	4	NCURRENT ICE/WIND NA+ (25	33	3	B	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (25	1	1	SW	328	350	1	186	182	-2561	142	168	2561
10	4	NCURRENT ICE/WIND NA- (25	3	1	TC	808	992	1	458	506	-8549	350	486	8550
10	4	NCURRENT ICE/WIND NA- (25	3	2	MC	808	992	1	458	506	-8549	350	486	8550
10	4	NCURRENT ICE/WIND NA- (25	3	3	BC	808	991	1	458	505	-8549	350	486	8550
10	4	NCURRENT ICE/WIND NA- (25	5	1	D1	635	597	1	362	311	-4704	273	286	4706
10	4	NCURRENT ICE/WIND NA- (25	5	2	D2	635	597	1	362	311	-4704	273	286	4706
10	4	NCURRENT ICE/WIND NA- (25	5	3	D3	637	598	1	362	311	-4705	275	287	4706
10	4	NCURRENT ICE/WIND NA- (25	6	1	D4	638	535	1	364	280	-4083	274	256	4084

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10	4	NCURRENT ICE/WIND NA- (25	6	2	D5	638	536	1	364	280	-4083	274	256	4084
10	4	NCURRENT ICE/WIND NA- (25	6	3	D6	640	536	1	365	280	-4083	275	256	4084
10	4	NCURRENT ICE/WIND NA- (25	7	1	N	452	372	1	259	194	-2613	194	178	2613
10	4	NCURRENT ICE/WIND NA- (25	8	1	ADSS	446	340	1	256	179	-2215	191	161	2215
10	4	NCURRENT ICE/WIND NA- (25	20	1	DTAP1	235	3857	-18	0	0	0	235	3857	-18
10	4	NCURRENT ICE/WIND NA- (25	20	2	NTAP1	200	3857	-18	0	0	0	200	3857	-18
10	4	NCURRENT ICE/WIND NA- (25	33	1	T	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (25	33	2	M	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (25	33	3	B	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	1	1	SW	54	-47	-2	29	-40	-1835	25	-7	1834
11	3	EXTREME WIND NA+ (250C)	3	1	TC	297	-149	-6	164	-136	-7106	133	-12	7100
11	3	EXTREME WIND NA+ (250C)	3	2	MC	297	-134	-6	164	-128	-7105	133	-6	7100
11	3	EXTREME WIND NA+ (250C)	3	3	BC	297	-118	-6	164	-119	-7105	133	1	7099
11	3	EXTREME WIND NA+ (250C)	5	1	D1	189	-236	-5	105	-161	-4006	84	-75	4002
11	3	EXTREME WIND NA+ (250C)	5	2	D2	190	-236	-5	105	-161	-4006	85	-75	4002
11	3	EXTREME WIND NA+ (250C)	5	3	D3	190	-237	-4	105	-162	-4006	85	-76	4002
11	3	EXTREME WIND NA+ (250C)	6	1	D4	192	-272	-4	107	-179	-3492	85	-94	3488
11	3	EXTREME WIND NA+ (250C)	6	2	D5	192	-273	-4	107	-179	-3492	85	-94	3488
11	3	EXTREME WIND NA+ (250C)	6	3	D6	192	-274	-4	107	-179	-3492	85	-95	3488
11	3	EXTREME WIND NA+ (250C)	7	1	N	92	-193	-3	51	-125	-2085	41	-68	2082
11	3	EXTREME WIND NA+ (250C)	8	1	ADSS	52	-274	-3	28	-171	-1997	24	-103	1994
11	3	EXTREME WIND NA+ (250C)	20	1	DTAP1	107	2623	154	0	0	0	107	2623	154
11	3	EXTREME WIND NA+ (250C)	20	2	NTAP1	84	2624	150	0	0	0	84	2624	150
11	3	EXTREME WIND NA+ (250C)	33	1	T	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	33	2	M	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	33	3	B	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	1	1	SW	54	409	2	29	220	-1823	25	189	1824
12	3	EXTREME WIND NA- (250C)	3	1	TC	297	1550	6	164	835	-7058	133	715	7064
12	3	EXTREME WIND NA- (250C)	3	2	MC	297	1535	6	164	826	-7058	133	709	7064
12	3	EXTREME WIND NA- (250C)	3	3	BC	297	1519	6	164	816	-7059	133	702	7064
12	3	EXTREME WIND NA- (250C)	5	1	D1	189	1025	5	105	559	-3970	84	466	3975
12	3	EXTREME WIND NA- (250C)	5	2	D2	190	1025	5	105	559	-3970	85	466	3975
12	3	EXTREME WIND NA- (250C)	5	3	D3	190	1027	5	105	559	-3970	85	467	3975
12	3	EXTREME WIND NA- (250C)	6	1	D4	192	960	5	107	525	-3457	85	434	3462
12	3	EXTREME WIND NA- (250C)	6	2	D5	192	960	5	107	525	-3457	85	435	3462
12	3	EXTREME WIND NA- (250C)	6	3	D6	192	962	5	107	526	-3457	85	436	3462
12	3	EXTREME WIND NA- (250C)	7	1	N	92	603	3	51	329	-2062	41	274	2065
12	3	EXTREME WIND NA- (250C)	8	1	ADSS	52	666	3	28	366	-1971	24	300	1974
12	3	EXTREME WIND NA- (250C)	20	1	DTAP1	107	2638	-138	0	0	0	107	2638	-138
12	3	EXTREME WIND NA- (250C)	20	2	NTAP1	84	2639	-134	0	0	0	84	2639	-134
12	3	EXTREME WIND NA- (250C)	33	1	T	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	33	2	M	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	33	3	B	64	0	0	0	0	0	64	0	0
13	6	EXTREME ICE	1	1	SW	299	218	0	170	108	-2199	129	109	2199
13	6	EXTREME ICE	3	1	TC	738	703	0	419	350	-7109	319	353	7109
13	6	EXTREME ICE	3	2	MC	738	703	0	419	350	-7109	319	353	7109
13	6	EXTREME ICE	3	3	BC	738	703	0	419	350	-7109	319	353	7109
13	6	EXTREME ICE	5	1	D1	579	393	0	330	198	-3970	249	195	3970
13	6	EXTREME ICE	5	2	D2	579	393	0	330	198	-3970	249	195	3970
13	6	EXTREME ICE	5	3	D3	581	393	0	331	198	-3970	250	195	3970
13	6	EXTREME ICE	6	1	D4	581	343	0	332	173	-3465	249	170	3465
13	6	EXTREME ICE	6	2	D5	582	343	0	332	173	-3465	249	170	3465
13	6	EXTREME ICE	6	3	D6	583	343	0	333	173	-3465	250	170	3465
13	6	EXTREME ICE	7	1	N	412	220	0	236	110	-2232	176	111	2232
13	6	EXTREME ICE	8	1	ADSS	407	184	0	233	92	-1865	174	93	1865
13	6	EXTREME ICE	20	1	DTAP1	202	2973	9	0	0	0	202	2973	9
13	6	EXTREME ICE	20	2	NTAP1	175	2973	9	0	0	0	175	2973	9
13	6	EXTREME ICE	33	1	T	58	0	0	0	0	0	58	0	0
13	6	EXTREME ICE	33	2	M	58	0	0	0	0	0	58	0	0
13	6	EXTREME ICE	33	3	B	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	1	1	SW	52	112	0	28	56	-1129	24	56	1129
14	9	UPLIFT	3	1	TC	270	643	0	149	320	-6495	121	322	6495
14	9	UPLIFT	3	2	MC	270	642	0	149	320	-6495	121	322	6495

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14	9	UPLIFT	3	3	BC	270	642	0	149	320	-6495	121	322	6495
14	9	UPLIFT	5	1	D1	179	214	0	101	108	-2167	78	106	2167
14	9	UPLIFT	5	2	D2	179	214	0	101	108	-2167	78	106	2167
14	9	UPLIFT	5	3	D3	179	214	0	101	108	-2167	78	106	2167
14	9	UPLIFT	6	1	D4	182	157	0	103	79	-1583	79	78	1583
14	9	UPLIFT	6	2	D5	182	157	0	103	79	-1583	79	78	1583
14	9	UPLIFT	6	3	D6	182	157	0	103	79	-1583	79	78	1583
14	9	UPLIFT	7	1	N	89	69	0	50	34	-701	38	35	701
14	9	UPLIFT	8	1	ADSS	54	27	0	31	13	-272	23	14	272
14	9	UPLIFT	20	1	DTAP1	119	3381	10	0	0	0	119	3381	10
14	9	UPLIFT	20	2	NTAP1	88	3381	10	0	0	0	88	3381	10
14	9	UPLIFT	33	1	T	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	33	2	M	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	33	3	B	58	0	0	0	0	0	58	0	0
15	28	CAMBER	1	1	SW	54	72	0	30	36	-724	24	36	724
15	28	CAMBER	3	1	TC	284	353	0	160	176	-3564	124	177	3564
15	28	CAMBER	3	2	MC	284	353	0	160	176	-3564	124	177	3564
15	28	CAMBER	3	3	BC	284	352	0	160	175	-3564	124	177	3564
15	28	CAMBER	5	1	D1	182	138	0	104	69	-1392	79	68	1392
15	28	CAMBER	5	2	D2	183	138	0	104	69	-1392	79	68	1392
15	28	CAMBER	5	3	D3	183	138	0	104	69	-1392	79	68	1392
15	28	CAMBER	6	1	D4	184	114	0	105	57	-1148	79	56	1148
15	28	CAMBER	6	2	D5	184	114	0	105	57	-1148	79	56	1148
15	28	CAMBER	6	3	D6	184	114	0	105	57	-1148	79	56	1148
15	28	CAMBER	7	1	N	90	53	0	51	26	-535	39	27	535
15	28	CAMBER	8	1	ADSS	55	23	0	31	11	-232	23	12	232
15	28	CAMBER	20	1	DTAP1	69	1072	3	0	0	0	69	1072	3
15	28	CAMBER	20	2	NTAP1	60	1072	3	0	0	0	60	1072	3
15	28	CAMBER	33	1	T	58	0	0	0	0	0	58	0	0
15	28	CAMBER	33	2	M	58	0	0	0	0	0	58	0	0
15	28	CAMBER	33	3	B	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	1	1	SW	53	40	0	29	17	-835	24	24	835
16	8	BLOWOUT DEFLECTION NA+	3	1	TC	282	220	-1	159	97	-3839	123	123	3838
16	8	BLOWOUT DEFLECTION NA+	3	2	MC	282	219	-1	159	96	-3839	123	123	3838
16	8	BLOWOUT DEFLECTION NA+	3	3	BC	282	219	-1	159	96	-3839	123	123	3838
16	8	BLOWOUT DEFLECTION NA+	5	1	D1	181	36	-1	103	9	-1646	79	27	1645
16	8	BLOWOUT DEFLECTION NA+	5	2	D2	181	36	-1	103	9	-1646	79	27	1645
16	8	BLOWOUT DEFLECTION NA+	5	3	D3	182	36	-1	103	9	-1646	79	27	1645
16	8	BLOWOUT DEFLECTION NA+	6	1	D4	183	9	-1	104	-5	-1373	79	14	1372
16	8	BLOWOUT DEFLECTION NA+	6	2	D5	183	9	-1	104	-5	-1373	79	14	1372
16	8	BLOWOUT DEFLECTION NA+	6	3	D6	183	9	-1	104	-5	-1373	79	14	1372
16	8	BLOWOUT DEFLECTION NA+	7	1	N	89	-13	-1	50	-14	-720	38	0	719
16	8	BLOWOUT DEFLECTION NA+	8	1	ADSS	53	-52	-1	30	-34	-489	23	-18	489
16	8	BLOWOUT DEFLECTION NA+	20	1	DTAP1	73	1221	32	0	0	0	73	1221	32
16	8	BLOWOUT DEFLECTION NA+	20	2	NTAP1	61	1221	32	0	0	0	61	1221	32
16	8	BLOWOUT DEFLECTION NA+	33	1	T	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	33	2	M	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	33	3	B	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	1	1	SW	53	125	0	29	66	-833	24	59	833
17	8	BLOWOUT DEFLECTION NA-	3	1	TC	282	539	1	159	282	-3830	123	258	3831
17	8	BLOWOUT DEFLECTION NA-	3	2	MC	282	539	1	159	281	-3830	123	258	3831
17	8	BLOWOUT DEFLECTION NA-	3	3	BC	282	539	1	159	281	-3830	123	258	3831
17	8	BLOWOUT DEFLECTION NA-	5	1	D1	181	289	1	103	155	-1638	79	134	1639
17	8	BLOWOUT DEFLECTION NA-	5	2	D2	181	289	1	103	155	-1638	79	134	1639
17	8	BLOWOUT DEFLECTION NA-	5	3	D3	182	289	1	103	155	-1638	79	134	1639
17	8	BLOWOUT DEFLECTION NA-	6	1	D4	183	262	1	104	141	-1366	79	120	1367
17	8	BLOWOUT DEFLECTION NA-	6	2	D5	183	262	1	104	141	-1366	79	120	1367
17	8	BLOWOUT DEFLECTION NA-	6	3	D6	183	262	1	104	141	-1366	79	121	1367
17	8	BLOWOUT DEFLECTION NA-	7	1	N	89	155	1	50	84	-715	38	71	715
17	8	BLOWOUT DEFLECTION NA-	8	1	ADSS	53	148	1	30	82	-484	23	66	484
17	8	BLOWOUT DEFLECTION NA-	20	1	DTAP1	73	1224	-25	0	0	0	73	1224	-25
17	8	BLOWOUT DEFLECTION NA-	20	2	NTAP1	61	1224	-25	0	0	0	61	1224	-25
17	8	BLOWOUT DEFLECTION NA-	33	1	T	58	0	0	0	0	0	58	0	0

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17	8	BLOWOUT DEFLECTION NA-	33	2	M	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	33	3	B	58	0	0	0	0	0	58	0	0

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	SW	128	228	1	67	119	-2735	60	109	2736
7	1	NESC MEDIUM NA+ (250B)	3	1	TC	506	1177	1	274	599	-10747	232	578	10748
7	1	NESC MEDIUM NA+ (250B)	3	2	MC	506	1176	1	274	599	-10747	232	577	10748
7	1	NESC MEDIUM NA+ (250B)	3	3	BC	506	1176	1	274	599	-10747	232	577	10748
7	1	NESC MEDIUM NA+ (250B)	5	1	D1	361	417	1	185	220	-4969	175	197	4971
7	1	NESC MEDIUM NA+ (250B)	5	2	D2	361	416	1	186	220	-4969	176	197	4971
7	1	NESC MEDIUM NA+ (250B)	5	3	D3	363	415	1	186	219	-4969	176	196	4971
7	1	NESC MEDIUM NA+ (250B)	6	1	D4	365	294	1	185	158	-4097	180	136	4099
7	1	NESC MEDIUM NA+ (250B)	6	2	D5	366	294	1	185	158	-4097	181	136	4099
7	1	NESC MEDIUM NA+ (250B)	6	3	D6	367	292	1	186	157	-4097	182	135	4099
7	1	NESC MEDIUM NA+ (250B)	7	1	N	209	125	1	105	70	-2456	104	55	2457
7	1	NESC MEDIUM NA+ (250B)	8	1	ADSS	177	3	1	88	9	-1756	89	-6	1757
7	1	NESC MEDIUM NA+ (250B)	20	1	DTAP1	202	4383	-2289	0	0	0	202	4383	-2289
7	1	NESC MEDIUM NA+ (250B)	20	2	NTAP1	172	4382	-2291	0	0	0	172	4382	-2291
7	1	NESC MEDIUM NA+ (250B)	33	1	T	87	0	0	0	0	0	87	0	0
7	1	NESC MEDIUM NA+ (250B)	33	2	M	87	0	0	0	0	0	87	0	0
7	1	NESC MEDIUM NA+ (250B)	33	3	B	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	1	1	SW	128	539	-1	67	265	-2725	60	274	2724
8	1	NESC MEDIUM NA- (250B)	3	1	TC	506	1838	-1	274	910	-10725	232	929	10723
8	1	NESC MEDIUM NA- (250B)	3	2	MC	506	1838	-1	274	910	-10725	232	928	10723
8	1	NESC MEDIUM NA- (250B)	3	3	BC	506	1837	-1	274	910	-10725	232	927	10724
8	1	NESC MEDIUM NA- (250B)	5	1	D1	361	978	-1	185	483	-4951	175	494	4950
8	1	NESC MEDIUM NA- (250B)	5	2	D2	361	978	-1	186	483	-4951	176	494	4950
8	1	NESC MEDIUM NA- (250B)	5	3	D3	363	979	-1	186	484	-4951	176	495	4950
8	1	NESC MEDIUM NA- (250B)	6	1	D4	365	855	-1	185	422	-4079	180	433	4078
8	1	NESC MEDIUM NA- (250B)	6	2	D5	366	855	-1	185	422	-4079	181	434	4078
8	1	NESC MEDIUM NA- (250B)	6	3	D6	367	856	-1	186	422	-4079	182	434	4078
8	1	NESC MEDIUM NA- (250B)	7	1	N	209	561	-1	105	274	-2442	104	287	2441
8	1	NESC MEDIUM NA- (250B)	8	1	ADSS	177	486	-1	88	236	-1740	89	250	1739
8	1	NESC MEDIUM NA- (250B)	20	1	DTAP1	202	4309	-2433	0	0	0	202	4309	-2433
8	1	NESC MEDIUM NA- (250B)	20	2	NTAP1	172	4308	-2434	0	0	0	172	4308	-2434
8	1	NESC MEDIUM NA- (250B)	33	1	T	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	33	2	M	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	33	3	B	87	0	0	0	0	0	87	0	0
9	4	NCURRENT ICE/WIND NA+ (25	1	1	SW	289	274	0	146	139	-2563	142	134	2563
9	4	NCURRENT ICE/WIND NA+ (25	3	1	TC	705	1069	1	366	539	-8547	339	530	8548
9	4	NCURRENT ICE/WIND NA+ (25	3	2	MC	705	1069	1	366	539	-8547	339	530	8548
9	4	NCURRENT ICE/WIND NA+ (25	3	3	BC	705	1068	1	366	539	-8547	339	529	8548
9	4	NCURRENT ICE/WIND NA+ (25	5	1	D1	559	543	1	282	278	-4706	277	265	4707
9	4	NCURRENT ICE/WIND NA+ (25	5	2	D2	559	543	1	282	278	-4706	277	265	4707
9	4	NCURRENT ICE/WIND NA+ (25	5	3	D3	562	542	1	283	277	-4706	279	265	4707
9	4	NCURRENT ICE/WIND NA+ (25	6	1	D4	563	456	1	281	234	-4085	282	222	4086
9	4	NCURRENT ICE/WIND NA+ (25	6	2	D5	564	456	1	282	234	-4085	282	222	4086
9	4	NCURRENT ICE/WIND NA+ (25	6	3	D6	566	455	1	283	234	-4085	284	221	4086
9	4	NCURRENT ICE/WIND NA+ (25	7	1	N	400	264	0	199	136	-2616	201	128	2616
9	4	NCURRENT ICE/WIND NA+ (25	8	1	ADSS	395	202	0	195	105	-2219	201	97	2219
9	4	NCURRENT ICE/WIND NA+ (25	20	1	DTAP1	262	3504	-1865	0	0	0	262	3504	-1865
9	4	NCURRENT ICE/WIND NA+ (25	20	2	NTAP1	231	3503	-1866	0	0	0	231	3503	-1866
9	4	NCURRENT ICE/WIND NA+ (25	33	1	T	64	0	0	0	0	0	64	0	0
9	4	NCURRENT ICE/WIND NA+ (25	33	2	M	64	0	0	0	0	0	64	0	0
9	4	NCURRENT ICE/WIND NA+ (25	33	3	B	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (25	1	1	SW	289	446	0	146	220	-2557	142	225	2557
10	4	NCURRENT ICE/WIND NA- (25	3	1	TC	705	1330	0	366	662	-8538	339	669	8538
10	4	NCURRENT ICE/WIND NA- (25	3	2	MC	705	1330	0	366	662	-8538	339	668	8538
10	4	NCURRENT ICE/WIND NA- (25	3	3	BC	705	1329	0	366	662	-8538	339	667	8538
10	4	NCURRENT ICE/WIND NA- (25	5	1	D1	559	779	0	282	389	-4698	277	390	4698
10	4	NCURRENT ICE/WIND NA- (25	5	2	D2	559	779	0	282	389	-4698	277	390	4698
10	4	NCURRENT ICE/WIND NA- (25	5	3	D3	562	779	0	283	389	-4698	279	390	4698
10	4	NCURRENT ICE/WIND NA- (25	6	1	D4	563	691	0	281	345	-4078	282	347	4077

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10	4	)NCURRENT ICE/WIND NA- (25	6	2	D5	564	691	0	282	345	-4078	282	347	4077
10	4	)NCURRENT ICE/WIND NA- (25	6	3	D6	566	692	0	283	345	-4078	284	347	4077
10	4	)NCURRENT ICE/WIND NA- (25	7	1	N	400	468	0	199	231	-2609	201	236	2609
10	4	)NCURRENT ICE/WIND NA- (25	8	1	ADSS	395	418	0	195	206	-2212	201	212	2211
10	4	)NCURRENT ICE/WIND NA- (25	20	1	DTAP1	262	3472	-1925	0	0	0	262	3472	-1925
10	4	)NCURRENT ICE/WIND NA- (25	20	2	NTAP1	231	3471	-1926	0	0	0	231	3471	-1926
10	4	)NCURRENT ICE/WIND NA- (25	33	1	T	64	0	0	0	0	0	64	0	0
10	4	)NCURRENT ICE/WIND NA- (25	33	2	M	64	0	0	0	0	0	64	0	0
10	4	)NCURRENT ICE/WIND NA- (25	33	3	B	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	1	1	SW	45	50	1	29	31	-1834	16	19	1834
11	3	EXTREME WIND NA+ (250C)	3	1	TC	250	224	3	146	134	-7099	104	91	7101
11	3	EXTREME WIND NA+ (250C)	3	2	MC	250	237	3	146	140	-7098	104	97	7101
11	3	EXTREME WIND NA+ (250C)	3	3	BC	250	251	3	146	147	-7098	104	104	7100
11	3	EXTREME WIND NA+ (250C)	5	1	D1	161	-11	2	92	13	-4002	69	-24	4004
11	3	EXTREME WIND NA+ (250C)	5	2	D2	161	-12	2	92	12	-4002	69	-24	4004
11	3	EXTREME WIND NA+ (250C)	5	3	D3	162	-14	2	92	11	-4002	70	-25	4004
11	3	EXTREME WIND NA+ (250C)	6	1	D4	164	-70	2	91	-18	-3489	73	-53	3491
11	3	EXTREME WIND NA+ (250C)	6	2	D5	164	-71	2	91	-18	-3489	73	-53	3491
11	3	EXTREME WIND NA+ (250C)	6	3	D6	165	-73	2	92	-19	-3489	73	-54	3491
11	3	EXTREME WIND NA+ (250C)	7	1	N	77	-71	1	45	-25	-2083	33	-46	2084
11	3	EXTREME WIND NA+ (250C)	8	1	ADSS	42	-149	2	28	-62	-1996	14	-86	1997
11	3	EXTREME WIND NA+ (250C)	20	1	DTAP1	119	2555	-1200	0	0	0	119	2555	-1200
11	3	EXTREME WIND NA+ (250C)	20	2	NTAP1	97	2553	-1205	0	0	0	97	2553	-1205
11	3	EXTREME WIND NA+ (250C)	33	1	T	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	33	2	M	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	33	3	B	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	1	1	SW	45	463	-1	29	226	-1820	16	237	1819
12	3	EXTREME WIND NA- (250C)	3	1	TC	250	1762	-3	146	860	-7048	104	902	7045
12	3	EXTREME WIND NA- (250C)	3	2	MC	250	1749	-3	146	854	-7048	104	895	7045
12	3	EXTREME WIND NA- (250C)	3	3	BC	250	1734	-3	146	847	-7048	104	886	7046
12	3	EXTREME WIND NA- (250C)	5	1	D1	161	1131	-2	92	552	-3964	69	579	3962
12	3	EXTREME WIND NA- (250C)	5	2	D2	161	1131	-2	92	552	-3964	69	579	3962
12	3	EXTREME WIND NA- (250C)	5	3	D3	162	1133	-2	92	553	-3964	70	580	3962
12	3	EXTREME WIND NA- (250C)	6	1	D4	164	1046	-2	91	510	-3452	73	536	3450
12	3	EXTREME WIND NA- (250C)	6	2	D5	164	1047	-2	91	510	-3452	73	536	3450
12	3	EXTREME WIND NA- (250C)	6	3	D6	165	1049	-2	92	511	-3452	73	538	3450
12	3	EXTREME WIND NA- (250C)	7	1	N	77	651	-1	45	316	-2059	33	335	2058
12	3	EXTREME WIND NA- (250C)	8	1	ADSS	42	704	-2	28	341	-1968	14	363	1966
12	3	EXTREME WIND NA- (250C)	20	1	DTAP1	119	2408	-1496	0	0	0	119	2408	-1496
12	3	EXTREME WIND NA- (250C)	20	2	NTAP1	97	2410	-1493	0	0	0	97	2410	-1493
12	3	EXTREME WIND NA- (250C)	33	1	T	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	33	2	M	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	33	3	B	64	0	0	0	0	0	64	0	0
13	6	EXTREME ICE	1	1	SW	263	308	0	133	154	-2196	130	154	2196
13	6	EXTREME ICE	3	1	TC	645	997	0	332	499	-7100	313	498	7100
13	6	EXTREME ICE	3	2	MC	645	997	0	332	499	-7100	313	498	7100
13	6	EXTREME ICE	3	3	BC	645	996	0	332	499	-7100	313	497	7100
13	6	EXTREME ICE	5	1	D1	510	557	0	256	281	-3965	254	276	3965
13	6	EXTREME ICE	5	2	D2	511	557	0	256	281	-3965	255	276	3965
13	6	EXTREME ICE	5	3	D3	513	557	0	257	281	-3965	256	276	3965
13	6	EXTREME ICE	6	1	D4	513	486	0	255	245	-3461	258	241	3461
13	6	EXTREME ICE	6	2	D5	514	486	0	256	245	-3461	258	241	3461
13	6	EXTREME ICE	6	3	D6	516	486	0	257	245	-3461	260	241	3461
13	6	EXTREME ICE	7	1	N	364	312	0	180	157	-2229	184	156	2229
13	6	EXTREME ICE	8	1	ADSS	360	261	0	177	131	-1863	183	130	1863
13	6	EXTREME ICE	20	1	DTAP1	227	2739	-1488	0	0	0	227	2739	-1488
13	6	EXTREME ICE	20	2	NTAP1	203	2739	-1489	0	0	0	203	2739	-1489
13	6	EXTREME ICE	33	1	T	58	0	0	0	0	0	58	0	0
13	6	EXTREME ICE	33	2	M	58	0	0	0	0	0	58	0	0
13	6	EXTREME ICE	33	3	B	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	1	1	SW	44	158	0	26	79	-1127	19	79	1127
14	9	UPLIFT	3	1	TC	227	911	0	133	456	-6487	94	455	6487
14	9	UPLIFT	3	2	MC	227	911	0	133	456	-6487	94	455	6487

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14	9	UPLIFT	3	3	BC	227	910	0	133	456	-6487	94	454	6487
14	9	UPLIFT	5	1	D1	156	304	0	82	153	-2165	74	151	2165
14	9	UPLIFT	5	2	D2	156	304	0	82	153	-2165	74	151	2165
14	9	UPLIFT	5	3	D3	157	304	0	82	153	-2165	74	151	2165
14	9	UPLIFT	6	1	D4	159	222	0	81	112	-1581	78	110	1581
14	9	UPLIFT	6	2	D5	160	222	0	82	112	-1581	78	110	1581
14	9	UPLIFT	6	3	D6	160	222	0	82	112	-1581	79	110	1581
14	9	UPLIFT	7	1	N	78	98	0	40	49	-700	39	49	700
14	9	UPLIFT	8	1	ADSS	48	38	0	24	19	-272	24	19	272
14	9	UPLIFT	20	1	DTAP1	123	2862	-1555	0	0	0	123	2862	-1555
14	9	UPLIFT	20	2	NTAP1	98	2862	-1556	0	0	0	98	2862	-1556
14	9	UPLIFT	33	1	T	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	33	2	M	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	33	3	B	58	0	0	0	0	0	58	0	0
15	28	CAMBER	1	1	SW	47	102	0	25	51	-724	22	51	724
15	28	CAMBER	3	1	TC	246	500	0	130	250	-3560	116	250	3560
15	28	CAMBER	3	2	MC	246	500	0	130	250	-3560	116	250	3560
15	28	CAMBER	3	3	BC	246	499	0	130	250	-3560	116	249	3560
15	28	CAMBER	5	1	D1	161	195	0	81	99	-1390	79	97	1390
15	28	CAMBER	5	2	D2	161	195	0	81	98	-1390	80	97	1390
15	28	CAMBER	5	3	D3	162	195	0	82	98	-1390	80	97	1390
15	28	CAMBER	6	1	D4	162	161	0	81	81	-1146	81	80	1147
15	28	CAMBER	6	2	D5	163	161	0	81	81	-1146	81	80	1147
15	28	CAMBER	6	3	D6	163	161	0	82	81	-1146	82	80	1147
15	28	CAMBER	7	1	N	79	75	0	40	38	-535	40	37	535
15	28	CAMBER	8	1	ADSS	49	32	0	24	16	-231	25	16	231
15	28	CAMBER	20	1	DTAP1	78	994	-540	0	0	0	78	994	-540
15	28	CAMBER	20	2	NTAP1	69	993	-540	0	0	0	69	993	-540
15	28	CAMBER	33	1	T	58	0	0	0	0	0	58	0	0
15	28	CAMBER	33	2	M	58	0	0	0	0	0	58	0	0
15	28	CAMBER	33	3	B	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	1	1	SW	46	79	0	25	41	-834	21	38	834
16	8	BLOWOUT DEFLECTION NA+	3	1	TC	244	395	1	131	202	-3835	114	193	3835
16	8	BLOWOUT DEFLECTION NA+	3	2	MC	244	394	1	130	202	-3835	114	193	3835
16	8	BLOWOUT DEFLECTION NA+	3	3	BC	244	394	1	130	202	-3835	114	192	3835
16	8	BLOWOUT DEFLECTION NA+	5	1	D1	159	117	1	82	63	-1644	78	54	1644
16	8	BLOWOUT DEFLECTION NA+	5	2	D2	159	117	1	82	63	-1644	78	54	1644
16	8	BLOWOUT DEFLECTION NA+	5	3	D3	160	117	1	82	63	-1644	78	54	1644
16	8	BLOWOUT DEFLECTION NA+	6	1	D4	161	79	1	81	44	-1372	80	35	1372
16	8	BLOWOUT DEFLECTION NA+	6	2	D5	161	79	1	81	44	-1372	80	35	1372
16	8	BLOWOUT DEFLECTION NA+	6	3	D6	162	78	1	82	43	-1372	80	35	1372
16	8	BLOWOUT DEFLECTION NA+	7	1	N	78	25	0	40	15	-719	38	10	719
16	8	BLOWOUT DEFLECTION NA+	8	1	ADSS	47	-22	0	24	-8	-489	23	-14	489
16	8	BLOWOUT DEFLECTION NA+	20	1	DTAP1	81	1151	-588	0	0	0	81	1151	-588
16	8	BLOWOUT DEFLECTION NA+	20	2	NTAP1	71	1151	-589	0	0	0	71	1151	-589
16	8	BLOWOUT DEFLECTION NA+	33	1	T	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	33	2	M	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	33	3	B	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	1	1	SW	46	155	0	25	76	-832	21	79	831
17	8	BLOWOUT DEFLECTION NA-	3	1	TC	244	681	-1	131	336	-3825	114	345	3824
17	8	BLOWOUT DEFLECTION NA-	3	2	MC	244	681	-1	130	336	-3825	114	344	3824
17	8	BLOWOUT DEFLECTION NA-	3	3	BC	244	681	-1	130	336	-3825	114	344	3825
17	8	BLOWOUT DEFLECTION NA-	5	1	D1	159	344	0	82	169	-1636	78	174	1636
17	8	BLOWOUT DEFLECTION NA-	5	2	D2	159	344	0	82	169	-1636	78	174	1636
17	8	BLOWOUT DEFLECTION NA-	5	3	D3	160	344	0	82	170	-1636	78	175	1636
17	8	BLOWOUT DEFLECTION NA-	6	1	D4	161	305	0	81	150	-1364	80	155	1364
17	8	BLOWOUT DEFLECTION NA-	6	2	D5	161	306	0	81	150	-1364	80	155	1364
17	8	BLOWOUT DEFLECTION NA-	6	3	D6	162	306	0	82	150	-1364	80	156	1364
17	8	BLOWOUT DEFLECTION NA-	7	1	N	78	176	0	40	86	-714	38	90	714
17	8	BLOWOUT DEFLECTION NA-	8	1	ADSS	47	158	0	24	76	-483	23	81	483
17	8	BLOWOUT DEFLECTION NA-	20	1	DTAP1	81	1122	-646	0	0	0	81	1122	-646
17	8	BLOWOUT DEFLECTION NA-	20	2	NTAP1	71	1121	-647	0	0	0	71	1121	-647
17	8	BLOWOUT DEFLECTION NA-	33	1	T	58	0	0	0	0	0	58	0	0

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17	8	BLOWOUT DEFLECTION NA-	33	2	M	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	33	3	B	58	0	0	0	0	0	58	0	0

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	SW	128	190	-2	87	81	-2737	41	109	2735
7	1	NESC MEDIUM NA+ (250B)	3	1	TC	520	998	-4	365	468	-10753	155	530	10750
7	1	NESC MEDIUM NA+ (250B)	3	2	MC	520	999	-4	365	469	-10753	155	530	10750
7	1	NESC MEDIUM NA+ (250B)	3	3	BC	520	1000	-4	365	470	-10753	155	530	10750
7	1	NESC MEDIUM NA+ (250B)	5	1	D1	352	345	-3	234	151	-4972	118	194	4970
7	1	NESC MEDIUM NA+ (250B)	5	2	D2	353	345	-3	234	151	-4972	118	194	4970
7	1	NESC MEDIUM NA+ (250B)	5	3	D3	354	343	-3	235	150	-4972	119	193	4970
7	1	NESC MEDIUM NA+ (250B)	6	1	D4	351	240	-3	229	98	-4100	122	142	4097
7	1	NESC MEDIUM NA+ (250B)	6	2	D5	352	240	-3	229	98	-4100	122	142	4097
7	1	NESC MEDIUM NA+ (250B)	6	3	D6	353	239	-3	230	98	-4100	123	141	4097
7	1	NESC MEDIUM NA+ (250B)	7	1	N	200	101	-2	130	32	-2457	70	69	2455
7	1	NESC MEDIUM NA+ (250B)	8	1	ADSS	167	-4	-2	107	-23	-1757	60	19	1754
7	1	NESC MEDIUM NA+ (250B)	33	1	T	87	0	0	0	0	0	87	0	0
7	1	NESC MEDIUM NA+ (250B)	33	2	M	87	0	0	0	0	0	87	0	0
7	1	NESC MEDIUM NA+ (250B)	33	3	B	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	1	1	SW	128	467	1	87	246	-2727	41	221	2728
8	1	NESC MEDIUM NA- (250B)	3	1	TC	520	1587	3	365	819	-10732	155	768	10735
8	1	NESC MEDIUM NA- (250B)	3	2	MC	520	1588	3	365	820	-10732	155	768	10735
8	1	NESC MEDIUM NA- (250B)	3	3	BC	520	1589	3	365	820	-10732	155	768	10735
8	1	NESC MEDIUM NA- (250B)	5	1	D1	352	845	3	234	449	-4954	118	396	4958
8	1	NESC MEDIUM NA- (250B)	5	2	D2	353	845	3	234	449	-4954	118	396	4958
8	1	NESC MEDIUM NA- (250B)	5	3	D3	354	846	3	235	450	-4954	119	396	4958
8	1	NESC MEDIUM NA- (250B)	6	1	D4	351	740	3	229	396	-4082	122	344	4085
8	1	NESC MEDIUM NA- (250B)	6	2	D5	352	741	3	229	396	-4082	122	344	4085
8	1	NESC MEDIUM NA- (250B)	6	3	D6	353	741	3	230	397	-4082	123	344	4085
8	1	NESC MEDIUM NA- (250B)	7	1	N	200	490	2	130	263	-2443	70	227	2446
8	1	NESC MEDIUM NA- (250B)	8	1	ADSS	167	426	2	107	234	-1741	60	193	1744
8	1	NESC MEDIUM NA- (250B)	33	1	T	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	33	2	M	87	0	0	0	0	0	87	0	0
8	1	NESC MEDIUM NA- (250B)	33	3	B	87	0	0	0	0	0	87	0	0
9	4	NCURRENT ICE/WIND NA+ (25	1	1	SW	278	231	-1	181	108	-2565	97	124	2564
9	4	NCURRENT ICE/WIND NA+ (25	3	1	TC	695	913	-2	468	443	-8553	227	470	8551
9	4	NCURRENT ICE/WIND NA+ (25	3	2	MC	695	913	-2	468	444	-8553	227	470	8551
9	4	NCURRENT ICE/WIND NA+ (25	3	3	BC	695	914	-2	468	444	-8553	227	470	8551
9	4	NCURRENT ICE/WIND NA+ (25	5	1	D1	535	459	-1	348	222	-4709	187	237	4708
9	4	NCURRENT ICE/WIND NA+ (25	5	2	D2	535	459	-1	349	222	-4709	187	237	4708
9	4	NCURRENT ICE/WIND NA+ (25	5	3	D3	537	458	-1	350	222	-4709	188	237	4708
9	4	NCURRENT ICE/WIND NA+ (25	6	1	D4	534	385	-1	344	184	-4088	190	200	4087
9	4	NCURRENT ICE/WIND NA+ (25	6	2	D5	534	385	-1	344	184	-4088	190	200	4087
9	4	NCURRENT ICE/WIND NA+ (25	6	3	D6	536	384	-1	345	184	-4088	191	200	4087
9	4	NCURRENT ICE/WIND NA+ (25	7	1	N	377	225	-1	241	103	-2618	136	121	2616
9	4	NCURRENT ICE/WIND NA+ (25	8	1	ADSS	370	171	-1	234	76	-2220	135	95	2219
9	4	NCURRENT ICE/WIND NA+ (25	33	1	T	64	0	0	0	0	0	64	0	0
9	4	NCURRENT ICE/WIND NA+ (25	33	2	M	64	0	0	0	0	0	64	0	0
9	4	NCURRENT ICE/WIND NA+ (25	33	3	B	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (250	1	1	SW	278	385	1	181	199	-2559	97	186	2560
10	4	NCURRENT ICE/WIND NA- (250	3	1	TC	695	1145	1	468	581	-8544	227	564	8545
10	4	NCURRENT ICE/WIND NA- (250	3	2	MC	695	1145	1	468	582	-8544	227	564	8545
10	4	NCURRENT ICE/WIND NA- (250	3	3	BC	695	1146	1	468	582	-8544	227	564	8545
10	4	NCURRENT ICE/WIND NA- (250	5	1	D1	535	669	2	348	347	-4702	187	322	4703
10	4	NCURRENT ICE/WIND NA- (250	5	2	D2	535	669	2	349	347	-4702	187	322	4703
10	4	NCURRENT ICE/WIND NA- (250	5	3	D3	537	669	2	350	347	-4702	188	322	4703
10	4	NCURRENT ICE/WIND NA- (250	6	1	D4	534	594	2	344	309	-4080	190	285	4082
10	4	NCURRENT ICE/WIND NA- (250	6	2	D5	534	595	2	344	309	-4080	190	285	4082
10	4	NCURRENT ICE/WIND NA- (250	6	3	D6	536	595	2	345	310	-4080	191	285	4082
10	4	NCURRENT ICE/WIND NA- (250	7	1	N	377	406	1	241	212	-2611	136	195	2612
10	4	NCURRENT ICE/WIND NA- (250	8	1	ADSS	370	364	1	234	191	-2213	135	173	2214
10	4	NCURRENT ICE/WIND NA- (250	33	1	T	64	0	0	0	0	0	64	0	0
10	4	NCURRENT ICE/WIND NA- (250	33	2	M	64	0	0	0	0	0	64	0	0

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10	4	ONCURRENT ICE/WIND NA- (250	33	3	B	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	1	1	SW	55	34	-2	44	0	-1834	11	34	1833
11	3	EXTREME WIND NA+ (250C)	3	1	TC	279	161	-7	211	18	-7102	68	143	7095
11	3	EXTREME WIND NA+ (250C)	3	2	MC	279	173	-7	211	26	-7102	68	148	7094
11	3	EXTREME WIND NA+ (250C)	3	3	BC	279	187	-7	211	34	-7101	68	153	7094
11	3	EXTREME WIND NA+ (250C)	5	1	D1	175	-35	-5	129	-61	-4004	46	26	3999
11	3	EXTREME WIND NA+ (250C)	5	2	D2	175	-36	-5	129	-61	-4004	46	25	3999
11	3	EXTREME WIND NA+ (250C)	5	3	D3	175	-38	-5	130	-62	-4004	46	24	3999
11	3	EXTREME WIND NA+ (250C)	6	1	D4	174	-85	-5	125	-85	-3491	48	0	3485
11	3	EXTREME WIND NA+ (250C)	6	2	D5	174	-86	-5	125	-85	-3491	49	-1	3485
11	3	EXTREME WIND NA+ (250C)	6	3	D6	175	-88	-5	126	-86	-3491	49	-1	3485
11	3	EXTREME WIND NA+ (250C)	7	1	N	85	-74	-3	64	-66	-2084	21	-9	2080
11	3	EXTREME WIND NA+ (250C)	8	1	ADSS	53	-144	-4	44	-105	-1997	9	-38	1993
11	3	EXTREME WIND NA+ (250C)	33	1	T	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	33	2	M	64	0	0	0	0	0	64	0	0
11	3	EXTREME WIND NA+ (250C)	33	3	B	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	1	1	SW	55	405	2	44	218	-1821	11	187	1823
12	3	EXTREME WIND NA- (250C)	3	1	TC	279	1542	7	211	830	-7053	68	712	7060
12	3	EXTREME WIND NA- (250C)	3	2	MC	279	1531	7	211	823	-7054	68	708	7061
12	3	EXTREME WIND NA- (250C)	3	3	BC	279	1518	7	211	816	-7054	68	702	7061
12	3	EXTREME WIND NA- (250C)	5	1	D1	175	991	6	129	542	-3968	46	448	3973
12	3	EXTREME WIND NA- (250C)	5	2	D2	175	991	6	129	543	-3968	46	448	3973
12	3	EXTREME WIND NA- (250C)	5	3	D3	175	992	6	130	544	-3967	46	449	3973
12	3	EXTREME WIND NA- (250C)	6	1	D4	174	918	6	125	505	-3455	48	413	3461
12	3	EXTREME WIND NA- (250C)	6	2	D5	174	918	6	125	505	-3455	49	413	3461
12	3	EXTREME WIND NA- (250C)	6	3	D6	175	920	6	126	506	-3455	49	414	3461
12	3	EXTREME WIND NA- (250C)	7	1	N	85	574	3	64	315	-2061	21	259	2064
12	3	EXTREME WIND NA- (250C)	8	1	ADSS	53	622	4	44	345	-1969	9	278	1973
12	3	EXTREME WIND NA- (250C)	33	1	T	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	33	2	M	64	0	0	0	0	0	64	0	0
12	3	EXTREME WIND NA- (250C)	33	3	B	64	0	0	0	0	0	64	0	0
13	6	EXTREME ICE	1	1	SW	252	264	0	164	132	-2198	89	133	2197
13	6	EXTREME ICE	3	1	TC	631	855	0	421	426	-7105	210	429	7105
13	6	EXTREME ICE	3	2	MC	631	856	0	421	426	-7105	210	429	7105
13	6	EXTREME ICE	3	3	BC	631	856	0	421	427	-7105	210	429	7105
13	6	EXTREME ICE	5	1	D1	486	476	0	314	240	-3967	171	236	3968
13	6	EXTREME ICE	5	2	D2	486	475	0	315	240	-3967	172	236	3968
13	6	EXTREME ICE	5	3	D3	488	475	0	316	240	-3967	172	235	3968
13	6	EXTREME ICE	6	1	D4	485	415	0	311	209	-3463	174	206	3463
13	6	EXTREME ICE	6	2	D5	485	415	0	311	209	-3463	174	206	3463
13	6	EXTREME ICE	6	3	D6	487	415	0	312	209	-3463	175	205	3463
13	6	EXTREME ICE	7	1	N	342	269	0	218	134	-2231	124	135	2230
13	6	EXTREME ICE	8	1	ADSS	336	225	0	212	112	-1864	124	113	1864
13	6	EXTREME ICE	33	1	T	58	0	0	0	0	0	58	0	0
13	6	EXTREME ICE	33	2	M	58	0	0	0	0	0	58	0	0
13	6	EXTREME ICE	33	3	B	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	1	1	SW	49	136	0	36	68	-1128	13	68	1128
14	9	UPLIFT	3	1	TC	253	781	0	192	389	-6491	61	392	6491
14	9	UPLIFT	3	2	MC	253	782	0	192	389	-6491	61	392	6491
14	9	UPLIFT	3	3	BC	253	782	0	192	390	-6491	61	392	6491
14	9	UPLIFT	5	1	D1	156	260	0	106	131	-2166	50	129	2166
14	9	UPLIFT	5	2	D2	156	260	0	106	131	-2166	50	129	2166
14	9	UPLIFT	5	3	D3	157	259	0	107	131	-2166	50	129	2166
14	9	UPLIFT	6	1	D4	155	190	0	102	96	-1582	53	94	1582
14	9	UPLIFT	6	2	D5	155	190	0	102	96	-1582	53	94	1582
14	9	UPLIFT	6	3	D6	156	190	0	102	96	-1582	53	94	1582
14	9	UPLIFT	7	1	N	75	84	0	49	42	-700	26	42	700
14	9	UPLIFT	8	1	ADSS	45	33	0	29	16	-272	17	16	272
14	9	UPLIFT	33	1	T	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	33	2	M	58	0	0	0	0	0	58	0	0
14	9	UPLIFT	33	3	B	58	0	0	0	0	0	58	0	0
15	28	CAMBER	1	1	SW	48	87	0	33	43	-724	15	44	724
15	28	CAMBER	3	1	TC	248	429	0	170	213	-3562	78	215	3562

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15	28	CAMBER	3	2	MC	248	429	0	170	214	-3562	78	215	3562
15	28	CAMBER	3	3	BC	248	429	0	170	214	-3562	78	215	3562
15	28	CAMBER	5	1	D1	155	167	0	101	84	-1391	54	83	1391
15	28	CAMBER	5	2	D2	155	167	0	101	84	-1391	54	83	1391
15	28	CAMBER	5	3	D3	155	167	0	101	84	-1391	54	83	1391
15	28	CAMBER	6	1	D4	154	138	0	99	69	-1147	55	68	1147
15	28	CAMBER	6	2	D5	154	138	0	99	69	-1147	56	68	1147
15	28	CAMBER	6	3	D6	155	137	0	99	69	-1147	56	68	1147
15	28	CAMBER	7	1	N	75	65	0	48	32	-535	27	32	535
15	28	CAMBER	8	1	ADSS	45	28	0	28	14	-231	17	14	231
15	28	CAMBER	33	1	T	58	0	0	0	0	0	58	0	0
15	28	CAMBER	33	2	M	58	0	0	0	0	0	58	0	0
15	28	CAMBER	33	3	B	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	1	1	SW	49	66	0	34	30	-835	15	37	834
16	8	BLOWOUT DEFLECTION NA+	3	1	TC	248	334	-2	172	154	-3837	76	180	3835
16	8	BLOWOUT DEFLECTION NA+	3	2	MC	248	334	-2	172	154	-3837	76	180	3835
16	8	BLOWOUT DEFLECTION NA+	3	3	BC	248	334	-2	172	154	-3837	76	180	3835
16	8	BLOWOUT DEFLECTION NA+	5	1	D1	155	96	-1	102	39	-1645	53	57	1643
16	8	BLOWOUT DEFLECTION NA+	5	2	D2	155	96	-1	103	39	-1645	53	57	1644
16	8	BLOWOUT DEFLECTION NA+	5	3	D3	156	95	-1	103	39	-1645	53	56	1644
16	8	BLOWOUT DEFLECTION NA+	6	1	D4	155	63	-1	100	23	-1372	54	41	1371
16	8	BLOWOUT DEFLECTION NA+	6	2	D5	155	63	-1	100	23	-1372	54	40	1371
16	8	BLOWOUT DEFLECTION NA+	6	3	D6	155	63	-1	101	22	-1372	54	40	1371
16	8	BLOWOUT DEFLECTION NA+	7	1	N	75	19	-1	49	3	-719	26	16	718
16	8	BLOWOUT DEFLECTION NA+	8	1	ADSS	46	-21	-1	30	-18	-489	16	-3	488
16	8	BLOWOUT DEFLECTION NA+	33	1	T	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	33	2	M	58	0	0	0	0	0	58	0	0
16	8	BLOWOUT DEFLECTION NA+	33	3	B	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	1	1	SW	49	134	0	34	70	-832	15	64	833
17	8	BLOWOUT DEFLECTION NA-	3	1	TC	248	589	1	172	306	-3828	76	283	3829
17	8	BLOWOUT DEFLECTION NA-	3	2	MC	248	589	1	172	306	-3828	76	283	3829
17	8	BLOWOUT DEFLECTION NA-	3	3	BC	248	589	1	172	306	-3828	76	283	3829
17	8	BLOWOUT DEFLECTION NA-	5	1	D1	155	298	1	102	159	-1637	53	138	1639
17	8	BLOWOUT DEFLECTION NA-	5	2	D2	155	298	1	103	159	-1637	53	138	1639
17	8	BLOWOUT DEFLECTION NA-	5	3	D3	156	298	1	103	160	-1637	53	138	1639
17	8	BLOWOUT DEFLECTION NA-	6	1	D4	155	265	1	100	143	-1365	54	122	1367
17	8	BLOWOUT DEFLECTION NA-	6	2	D5	155	265	1	100	143	-1365	54	122	1367
17	8	BLOWOUT DEFLECTION NA-	6	3	D6	155	265	1	101	143	-1365	54	122	1367
17	8	BLOWOUT DEFLECTION NA-	7	1	N	75	154	1	49	83	-714	26	71	715
17	8	BLOWOUT DEFLECTION NA-	8	1	ADSS	46	139	1	30	77	-483	16	62	484
17	8	BLOWOUT DEFLECTION NA-	33	1	T	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	33	2	M	58	0	0	0	0	0	58	0	0
17	8	BLOWOUT DEFLECTION NA-	33	3	B	58	0	0	0	0	0	58	0	0

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	S1	87	-598	2671	87	-598	2671	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	1	C1	346	-2702	10417	346	-2702	10417	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	2	C2	346	-2707	10416	346	-2707	10416	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	3	C3	346	-2712	10415	346	-2712	10415	0	0	0
7	1	NESC MEDIUM NA+ (250B)	11	1	S11	68	-565	-2742	0	0	0	68	-565	-2742
7	1	NESC MEDIUM NA+ (250B)	15	1	C11	242	-2487	-10413	0	0	0	242	-2487	-10413
7	1	NESC MEDIUM NA+ (250B)	15	2	C22	242	-2490	-10412	0	0	0	242	-2490	-10412
7	1	NESC MEDIUM NA+ (250B)	15	3	C33	241	-2492	-10411	0	0	0	241	-2492	-10411
7	1	NESC MEDIUM NA+ (250B)	21	1	D1	192	-1071	4857	192	-1071	4857	0	0	0
7	1	NESC MEDIUM NA+ (250B)	21	2	D2	192	-1133	4843	192	-1133	4843	0	0	0
7	1	NESC MEDIUM NA+ (250B)	21	3	D3	192	-1071	4857	192	-1071	4857	0	0	0
7	1	NESC MEDIUM NA+ (250B)	22	1	D4	206	-861	4008	206	-861	4008	0	0	0
7	1	NESC MEDIUM NA+ (250B)	22	2	D5	206	-912	3997	206	-912	3997	0	0	0
7	1	NESC MEDIUM NA+ (250B)	22	3	D6	206	-861	4008	206	-861	4008	0	0	0
7	1	NESC MEDIUM NA+ (250B)	25	1	N1	100	-516	2402	100	-516	2402	0	0	0
7	1	NESC MEDIUM NA+ (250B)	31	1	D11	171	-979	-4834	0	0	0	171	-979	-4834
7	1	NESC MEDIUM NA+ (250B)	31	2	D22	168	-1017	-4826	0	0	0	168	-1017	-4826
7	1	NESC MEDIUM NA+ (250B)	31	3	D33	172	-979	-4834	0	0	0	172	-979	-4834
7	1	NESC MEDIUM NA+ (250B)	32	1	D44	197	1251	-4721	0	0	0	197	1251	-4721
7	1	NESC MEDIUM NA+ (250B)	32	2	D55	197	1239	-4725	0	0	0	197	1239	-4725
7	1	NESC MEDIUM NA+ (250B)	32	3	D66	197	1228	-4728	0	0	0	197	1228	-4728
7	1	NESC MEDIUM NA+ (250B)	33	1	D34	227	1228	-4727	0	0	0	227	1228	-4727
7	1	NESC MEDIUM NA+ (250B)	33	2	D35	227	1239	-4724	0	0	0	227	1239	-4724
7	1	NESC MEDIUM NA+ (250B)	33	3	D36	227	1251	-4721	0	0	0	227	1251	-4721
7	1	NESC MEDIUM NA+ (250B)	34	1	D37	201	-780	-4030	0	0	0	201	-780	-4030
7	1	NESC MEDIUM NA+ (250B)	34	2	D38	198	-812	-4023	0	0	0	198	-812	-4023
7	1	NESC MEDIUM NA+ (250B)	34	3	D39	201	-780	-4030	0	0	0	201	-780	-4030
7	1	NESC MEDIUM NA+ (250B)	35	1	N11	50	511	-1771	0	0	0	50	511	-1771
7	1	NESC MEDIUM NA+ (250B)	43	1	ADSS1	85	-331	1723	85	-331	1723	0	0	0
7	1	NESC MEDIUM NA+ (250B)	51	1	CATV11	-21	459	-1583	0	0	0	-21	459	-1583
7	1	NESC MEDIUM NA+ (250B)	53	1	NEUTRAL	121	-439	-2423	0	0	0	121	-439	-2423
7	1	NESC MEDIUM NA+ (250B)	55	1	N2	57	652	-2371	0	0	0	57	652	-2371
8	1	NESC MEDIUM NA- (250B)	1	1	S1	87	-734	2638	87	-734	2638	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	1	C1	346	-2996	10339	346	-2996	10339	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	2	C2	346	-3000	10338	346	-3000	10338	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	3	C3	346	-3005	10337	346	-3005	10337	0	0	0
8	1	NESC MEDIUM NA- (250B)	11	1	S11	68	-790	-2686	0	0	0	68	-790	-2686
8	1	NESC MEDIUM NA- (250B)	15	1	C11	242	-2971	-10288	0	0	0	242	-2971	-10288
8	1	NESC MEDIUM NA- (250B)	15	2	C22	242	-2974	-10287	0	0	0	242	-2974	-10287
8	1	NESC MEDIUM NA- (250B)	15	3	C33	241	-2977	-10286	0	0	0	241	-2977	-10286
8	1	NESC MEDIUM NA- (250B)	21	1	D1	192	-1317	4797	192	-1317	4797	0	0	0
8	1	NESC MEDIUM NA- (250B)	21	2	D2	192	-1378	4780	192	-1378	4780	0	0	0
8	1	NESC MEDIUM NA- (250B)	21	3	D3	192	-1317	4797	192	-1317	4797	0	0	0
8	1	NESC MEDIUM NA- (250B)	22	1	D4	206	-1108	3948	206	-1108	3948	0	0	0
8	1	NESC MEDIUM NA- (250B)	22	2	D5	206	-1158	3934	206	-1158	3934	0	0	0
8	1	NESC MEDIUM NA- (250B)	22	3	D6	206	-1108	3948	206	-1108	3948	0	0	0
8	1	NESC MEDIUM NA- (250B)	25	1	N1	100	-707	2354	100	-707	2354	0	0	0
8	1	NESC MEDIUM NA- (250B)	31	1	D11	171	-1388	-4734	0	0	0	171	-1388	-4734
8	1	NESC MEDIUM NA- (250B)	31	2	D22	168	-1423	-4724	0	0	0	168	-1423	-4724
8	1	NESC MEDIUM NA- (250B)	31	3	D33	172	-1389	-4734	0	0	0	172	-1389	-4734
8	1	NESC MEDIUM NA- (250B)	32	1	D44	197	1089	-4760	0	0	0	197	1089	-4760
8	1	NESC MEDIUM NA- (250B)	32	2	D55	197	1077	-4763	0	0	0	197	1077	-4763
8	1	NESC MEDIUM NA- (250B)	32	3	D66	197	1065	-4766	0	0	0	197	1065	-4766
8	1	NESC MEDIUM NA- (250B)	33	1	D34	227	1065	-4766	0	0	0	227	1065	-4766
8	1	NESC MEDIUM NA- (250B)	33	2	D35	227	1077	-4763	0	0	0	227	1077	-4763
8	1	NESC MEDIUM NA- (250B)	33	3	D36	227	1089	-4760	0	0	0	227	1089	-4760
8	1	NESC MEDIUM NA- (250B)	34	1	D37	201	-1190	-3929	0	0	0	201	-1190	-3929
8	1	NESC MEDIUM NA- (250B)	34	2	D38	198	-1217	-3921	0	0	0	198	-1217	-3921
8	1	NESC MEDIUM NA- (250B)	34	3	D39	201	-1189	-3929	0	0	0	201	-1189	-3929

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8	1	NESC MEDIUM NA- (250B)	35	1	N11	50	371	-1804	0	0	0	50	371	-1804
8	1	NESC MEDIUM NA- (250B)	43	1	ADSS1	85	-542	1670	85	-542	1670	0	0	0
8	1	NESC MEDIUM NA- (250B)	51	1	CATV11	-21	332	-1614	0	0	0	-21	332	-1614
8	1	NESC MEDIUM NA- (250B)	53	1	NEUTRAL	121	-756	-2344	0	0	0	121	-756	-2344
8	1	NESC MEDIUM NA- (250B)	55	1	N2	57	526	-2401	0	0	0	57	526	-2401
9	4	CURRENT ICE/WIND NA+ (	1	1	S1	173	-587	2499	173	-587	2499	0	0	0
9	4	CURRENT ICE/WIND NA+ (	5	1	C1	428	-2210	8274	428	-2210	8274	0	0	0
9	4	CURRENT ICE/WIND NA+ (	5	2	C2	427	-2213	8273	427	-2213	8273	0	0	0
9	4	CURRENT ICE/WIND NA+ (	5	3	C3	427	-2217	8272	427	-2217	8272	0	0	0
9	4	CURRENT ICE/WIND NA+ (	11	1	S11	175	-590	-2630	0	0	0	175	-590	-2630
9	4	CURRENT ICE/WIND NA+ (	15	1	C11	384	-2140	-8499	0	0	0	384	-2140	-8499
9	4	CURRENT ICE/WIND NA+ (	15	2	C22	384	-2142	-8498	0	0	0	384	-2142	-8498
9	4	CURRENT ICE/WIND NA+ (	15	3	C33	384	-2144	-8498	0	0	0	384	-2144	-8498
9	4	CURRENT ICE/WIND NA+ (	21	1	D1	285	-1081	4589	285	-1081	4589	0	0	0
9	4	CURRENT ICE/WIND NA+ (	21	2	D2	285	-1139	4575	285	-1139	4575	0	0	0
9	4	CURRENT ICE/WIND NA+ (	21	3	D3	285	-1081	4589	285	-1081	4589	0	0	0
9	4	CURRENT ICE/WIND NA+ (	22	1	D4	303	-931	3985	303	-931	3985	0	0	0
9	4	CURRENT ICE/WIND NA+ (	22	2	D5	303	-982	3972	303	-982	3972	0	0	0
9	4	CURRENT ICE/WIND NA+ (	22	3	D6	303	-931	3985	303	-931	3985	0	0	0
9	4	CURRENT ICE/WIND NA+ (	25	1	N1	183	-608	2548	183	-608	2548	0	0	0
9	4	CURRENT ICE/WIND NA+ (	31	1	D11	294	-1066	-4678	0	0	0	294	-1066	-4678
9	4	CURRENT ICE/WIND NA+ (	31	2	D22	289	-1103	-4670	0	0	0	289	-1103	-4670
9	4	CURRENT ICE/WIND NA+ (	31	3	D33	294	-1066	-4678	0	0	0	294	-1066	-4678
9	4	CURRENT ICE/WIND NA+ (	32	1	D44	257	977	-3813	0	0	0	257	977	-3813
9	4	CURRENT ICE/WIND NA+ (	32	2	D55	257	967	-3816	0	0	0	257	967	-3816
9	4	CURRENT ICE/WIND NA+ (	32	3	D66	257	958	-3818	0	0	0	257	958	-3818
9	4	CURRENT ICE/WIND NA+ (	33	1	D34	288	958	-3818	0	0	0	288	958	-3818
9	4	CURRENT ICE/WIND NA+ (	33	2	D35	288	967	-3816	0	0	0	288	967	-3816
9	4	CURRENT ICE/WIND NA+ (	33	3	D36	288	977	-3813	0	0	0	288	977	-3813
9	4	CURRENT ICE/WIND NA+ (	34	1	D37	325	-919	-4083	0	0	0	325	-919	-4083
9	4	CURRENT ICE/WIND NA+ (	34	2	D38	320	-951	-4076	0	0	0	320	-951	-4076
9	4	CURRENT ICE/WIND NA+ (	34	3	D39	325	-919	-4083	0	0	0	325	-919	-4083
9	4	CURRENT ICE/WIND NA+ (	35	1	N11	106	563	-2150	0	0	0	106	563	-2150
9	4	CURRENT ICE/WIND NA+ (	43	1	ADSS1	181	-506	2163	181	-506	2163	0	0	0
9	4	CURRENT ICE/WIND NA+ (	51	1	CATV11	-6	439	-1649	0	0	0	-6	439	-1649
9	4	CURRENT ICE/WIND NA+ (	53	1	NEUTRAL	240	-578	-2618	0	0	0	240	-578	-2618
9	4	CURRENT ICE/WIND NA+ (	55	1	N2	108	559	-2141	0	0	0	108	559	-2141
10	4	CURRENT ICE/WIND NA- (	1	1	S1	173	-662	2480	173	-662	2480	0	0	0
10	4	CURRENT ICE/WIND NA- (	5	1	C1	428	-2324	8243	428	-2324	8243	0	0	0
10	4	CURRENT ICE/WIND NA- (	5	2	C2	427	-2328	8242	427	-2328	8242	0	0	0
10	4	CURRENT ICE/WIND NA- (	5	3	C3	427	-2332	8241	427	-2332	8241	0	0	0
10	4	CURRENT ICE/WIND NA- (	11	1	S11	175	-715	-2599	0	0	0	175	-715	-2599
10	4	CURRENT ICE/WIND NA- (	15	1	C11	384	-2329	-8450	0	0	0	384	-2329	-8450
10	4	CURRENT ICE/WIND NA- (	15	2	C22	384	-2331	-8449	0	0	0	384	-2331	-8449
10	4	CURRENT ICE/WIND NA- (	15	3	C33	384	-2334	-8448	0	0	0	384	-2334	-8448
10	4	CURRENT ICE/WIND NA- (	21	1	D1	285	-1184	4564	285	-1184	4564	0	0	0
10	4	CURRENT ICE/WIND NA- (	21	2	D2	285	-1241	4548	285	-1241	4548	0	0	0
10	4	CURRENT ICE/WIND NA- (	21	3	D3	285	-1184	4564	285	-1184	4564	0	0	0
10	4	CURRENT ICE/WIND NA- (	22	1	D4	303	-1034	3959	303	-1034	3959	0	0	0
10	4	CURRENT ICE/WIND NA- (	22	2	D5	303	-1084	3946	303	-1084	3946	0	0	0
10	4	CURRENT ICE/WIND NA- (	22	3	D6	303	-1034	3959	303	-1034	3959	0	0	0
10	4	CURRENT ICE/WIND NA- (	25	1	N1	183	-696	2525	183	-696	2525	0	0	0
10	4	CURRENT ICE/WIND NA- (	31	1	D11	294	-1238	-4636	0	0	0	294	-1238	-4636
10	4	CURRENT ICE/WIND NA- (	31	2	D22	289	-1272	-4627	0	0	0	289	-1272	-4627
10	4	CURRENT ICE/WIND NA- (	31	3	D33	294	-1238	-4636	0	0	0	294	-1238	-4636
10	4	CURRENT ICE/WIND NA- (	32	1	D44	257	910	-3830	0	0	0	257	910	-3830
10	4	CURRENT ICE/WIND NA- (	32	2	D55	257	900	-3832	0	0	0	257	900	-3832
10	4	CURRENT ICE/WIND NA- (	32	3	D66	257	890	-3834	0	0	0	257	890	-3834
10	4	CURRENT ICE/WIND NA- (	33	1	D34	288	890	-3834	0	0	0	288	890	-3834
10	4	CURRENT ICE/WIND NA- (	33	2	D35	288	900	-3832	0	0	0	288	900	-3832
10	4	CURRENT ICE/WIND NA- (	33	3	D36	288	909	-3830	0	0	0	288	909	-3830
10	4	CURRENT ICE/WIND NA- (	34	1	D37	325	-1091	-4041	0	0	0	325	-1091	-4041
10	4	CURRENT ICE/WIND NA- (	34	2	D38	320	-1120	-4033	0	0	0	320	-1120	-4033

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10	4	CURRENT ICE/WIND NA- (2	34	3	D39	325	-1091	-4041	0	0	0	325	-1091	-4041
10	4	CURRENT ICE/WIND NA- (2	35	1	N11	106	502	-2165	0	0	0	106	502	-2165
10	4	CURRENT ICE/WIND NA- (2	43	1	ADSS1	181	-600	2139	181	-600	2139	0	0	0
10	4	CURRENT ICE/WIND NA- (2	51	1	CATV11	-6	380	-1664	0	0	0	-6	380	-1664
10	4	CURRENT ICE/WIND NA- (2	53	1	NEUTRAL	240	-726	-2581	0	0	0	240	-726	-2581
10	4	CURRENT ICE/WIND NA- (2	55	1	N2	108	501	-2155	0	0	0	108	501	-2155
11	3	EXTREME WIND NA+ (250C	1	1	S1	52	-351	1799	52	-351	1799	0	0	0
11	3	EXTREME WIND NA+ (250C	5	1	C1	207	-1523	6929	207	-1523	6929	0	0	0
11	3	EXTREME WIND NA+ (250C	5	2	C2	207	-1532	6927	207	-1532	6927	0	0	0
11	3	EXTREME WIND NA+ (250C	5	3	C3	207	-1541	6924	207	-1541	6924	0	0	0
11	3	EXTREME WIND NA+ (250C	11	1	S11	6	-314	-1887	0	0	0	6	-314	-1887
11	3	EXTREME WIND NA+ (250C	15	1	C11	70	-1331	-7297	0	0	0	70	-1331	-7297
11	3	EXTREME WIND NA+ (250C	15	2	C22	70	-1342	-7294	0	0	0	70	-1342	-7294
11	3	EXTREME WIND NA+ (250C	15	3	C33	69	-1354	-7291	0	0	0	69	-1354	-7291
11	3	EXTREME WIND NA+ (250C	21	1	D1	103	-702	3938	103	-702	3938	0	0	0
11	3	EXTREME WIND NA+ (250C	21	2	D2	103	-752	3929	103	-752	3929	0	0	0
11	3	EXTREME WIND NA+ (250C	21	3	D3	103	-702	3938	103	-702	3938	0	0	0
11	3	EXTREME WIND NA+ (250C	22	1	D4	118	-584	3438	118	-584	3438	0	0	0
11	3	EXTREME WIND NA+ (250C	22	2	D5	118	-627	3430	118	-627	3430	0	0	0
11	3	EXTREME WIND NA+ (250C	22	3	D6	118	-584	3438	118	-584	3438	0	0	0
11	3	EXTREME WIND NA+ (250C	25	1	N1	40	-354	2051	40	-354	2051	0	0	0
11	3	EXTREME WIND NA+ (250C	31	1	D11	15	-582	-4098	0	0	0	15	-582	-4098
11	3	EXTREME WIND NA+ (250C	31	2	D22	13	-617	-4093	0	0	0	13	-617	-4093
11	3	EXTREME WIND NA+ (250C	31	3	D33	15	-582	-4098	0	0	0	15	-582	-4098
11	3	EXTREME WIND NA+ (250C	32	1	D44	117	849	-2709	0	0	0	117	849	-2709
11	3	EXTREME WIND NA+ (250C	32	2	D55	117	842	-2711	0	0	0	117	842	-2711
11	3	EXTREME WIND NA+ (250C	32	3	D66	117	836	-2713	0	0	0	117	836	-2713
11	3	EXTREME WIND NA+ (250C	33	1	D34	140	847	-2742	0	0	0	140	847	-2742
11	3	EXTREME WIND NA+ (250C	33	2	D35	140	853	-2741	0	0	0	140	853	-2741
11	3	EXTREME WIND NA+ (250C	33	3	D36	140	860	-2739	0	0	0	140	860	-2739
11	3	EXTREME WIND NA+ (250C	34	1	D37	42	-467	-3597	0	0	0	42	-467	-3597
11	3	EXTREME WIND NA+ (250C	34	2	D38	40	-497	-3592	0	0	0	40	-497	-3592
11	3	EXTREME WIND NA+ (250C	34	3	D39	42	-467	-3597	0	0	0	42	-467	-3597
11	3	EXTREME WIND NA+ (250C	35	1	N11	8	513	-1517	0	0	0	8	513	-1517
11	3	EXTREME WIND NA+ (250C	43	1	ADSS1	24	-303	1971	24	-303	1971	0	0	0
11	3	EXTREME WIND NA+ (250C	51	1	CATV11	-67	419	-1216	0	0	0	-67	419	-1216
11	3	EXTREME WIND NA+ (250C	53	1	NEUTRAL	14	-260	-2131	0	0	0	14	-260	-2131
11	3	EXTREME WIND NA+ (250C	55	1	N2	19	497	-1532	0	0	0	19	497	-1532
12	3	EXTREME WIND NA- (250C	1	1	S1	52	-540	1753	52	-540	1753	0	0	0
12	3	EXTREME WIND NA- (250C	5	1	C1	207	-2231	6746	207	-2231	6746	0	0	0
12	3	EXTREME WIND NA- (250C	5	2	C2	207	-2228	6746	207	-2228	6746	0	0	0
12	3	EXTREME WIND NA- (250C	5	3	C3	207	-2225	6747	207	-2225	6747	0	0	0
12	3	EXTREME WIND NA- (250C	11	1	S11	6	-610	-1815	0	0	0	6	-610	-1815
12	3	EXTREME WIND NA- (250C	15	1	C11	70	-2442	-7014	0	0	0	70	-2442	-7014
12	3	EXTREME WIND NA- (250C	15	2	C22	70	-2435	-7016	0	0	0	70	-2435	-7016
12	3	EXTREME WIND NA- (250C	15	3	C33	69	-2427	-7018	0	0	0	69	-2427	-7018
12	3	EXTREME WIND NA- (250C	21	1	D1	103	-1216	3814	103	-1216	3814	0	0	0
12	3	EXTREME WIND NA- (250C	21	2	D2	103	-1265	3799	103	-1265	3799	0	0	0
12	3	EXTREME WIND NA- (250C	21	3	D3	103	-1216	3814	103	-1216	3814	0	0	0
12	3	EXTREME WIND NA- (250C	22	1	D4	118	-1087	3317	118	-1087	3317	0	0	0
12	3	EXTREME WIND NA- (250C	22	2	D5	118	-1130	3303	118	-1130	3303	0	0	0
12	3	EXTREME WIND NA- (250C	22	3	D6	118	-1087	3317	118	-1087	3317	0	0	0
12	3	EXTREME WIND NA- (250C	25	1	N1	40	-680	1970	40	-680	1970	0	0	0
12	3	EXTREME WIND NA- (250C	31	1	D11	15	-1396	-3901	0	0	0	15	-1396	-3901
12	3	EXTREME WIND NA- (250C	31	2	D22	13	-1423	-3891	0	0	0	13	-1423	-3891
12	3	EXTREME WIND NA- (250C	31	3	D33	15	-1397	-3901	0	0	0	15	-1397	-3901
12	3	EXTREME WIND NA- (250C	32	1	D44	117	508	-2789	0	0	0	117	508	-2789
12	3	EXTREME WIND NA- (250C	32	2	D55	117	501	-2791	0	0	0	117	501	-2791
12	3	EXTREME WIND NA- (250C	32	3	D66	117	493	-2792	0	0	0	117	493	-2792
12	3	EXTREME WIND NA- (250C	33	1	D34	140	497	-2823	0	0	0	140	497	-2823
12	3	EXTREME WIND NA- (250C	33	2	D35	140	505	-2822	0	0	0	140	505	-2822
12	3	EXTREME WIND NA- (250C	33	3	D36	140	512	-2820	0	0	0	140	512	-2820
12	3	EXTREME WIND NA- (250C	34	1	D37	42	-1265	-3403	0	0	0	42	-1265	-3403

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12	3	EXTREME WIND NA- (250C	34	2	D38	40	-1287	-3394	0	0	0	40	-1287	-3394
12	3	EXTREME WIND NA- (250C	34	3	D39	42	-1264	-3403	0	0	0	42	-1264	-3403
12	3	EXTREME WIND NA- (250C	35	1	N11	8	251	-1578	0	0	0	8	251	-1578
12	3	EXTREME WIND NA- (250C	43	1	ADSS1	24	-686	1877	24	-686	1877	0	0	0
12	3	EXTREME WIND NA- (250C	51	1	CATV11	-67	195	-1268	0	0	0	-67	195	-1268
12	3	EXTREME WIND NA- (250C	53	1	NEUTRAL	14	-777	-2004	0	0	0	14	-777	-2004
12	3	EXTREME WIND NA- (250C	55	1	N2	19	272	-1584	0	0	0	19	272	-1584
13	6	EXTREME ICE	1	1	S1	155	-536	2135	155	-536	2135	0	0	0
13	6	EXTREME ICE	5	1	C1	383	-1884	6864	383	-1884	6864	0	0	0
13	6	EXTREME ICE	5	2	C2	382	-1887	6863	382	-1887	6863	0	0	0
13	6	EXTREME ICE	5	3	C3	382	-1890	6862	382	-1890	6862	0	0	0
13	6	EXTREME ICE	11	1	S11	161	-561	-2249	0	0	0	161	-561	-2249
13	6	EXTREME ICE	15	1	C11	363	-1873	-7104	0	0	0	363	-1873	-7104
13	6	EXTREME ICE	15	2	C22	363	-1875	-7103	0	0	0	363	-1875	-7103
13	6	EXTREME ICE	15	3	C33	362	-1877	-7103	0	0	0	362	-1877	-7103
13	6	EXTREME ICE	21	1	D1	258	-954	3858	258	-954	3858	0	0	0
13	6	EXTREME ICE	21	2	D2	258	-1004	3846	258	-1004	3846	0	0	0
13	6	EXTREME ICE	21	3	D3	257	-955	3858	257	-955	3858	0	0	0
13	6	EXTREME ICE	22	1	D4	273	-833	3368	273	-833	3368	0	0	0
13	6	EXTREME ICE	22	2	D5	273	-876	3357	273	-876	3357	0	0	0
13	6	EXTREME ICE	22	3	D6	273	-833	3368	273	-833	3368	0	0	0
13	6	EXTREME ICE	25	1	N1	167	-556	2164	167	-556	2164	0	0	0
13	6	EXTREME ICE	31	1	D11	276	-979	-3958	0	0	0	276	-979	-3958
13	6	EXTREME ICE	31	2	D22	271	-1009	-3950	0	0	0	271	-1009	-3950
13	6	EXTREME ICE	31	3	D33	276	-979	-3958	0	0	0	276	-979	-3958
13	6	EXTREME ICE	32	1	D44	223	739	-2996	0	0	0	223	739	-2996
13	6	EXTREME ICE	32	2	D55	223	732	-2998	0	0	0	223	732	-2998
13	6	EXTREME ICE	32	3	D66	224	724	-3000	0	0	0	224	724	-3000
13	6	EXTREME ICE	33	1	D34	248	724	-3000	0	0	0	248	724	-3000
13	6	EXTREME ICE	33	2	D35	248	732	-2998	0	0	0	248	732	-2998
13	6	EXTREME ICE	33	3	D36	247	739	-2996	0	0	0	247	739	-2996
13	6	EXTREME ICE	34	1	D37	302	-860	-3475	0	0	0	302	-860	-3475
13	6	EXTREME ICE	34	2	D38	297	-886	-3468	0	0	0	297	-886	-3468
13	6	EXTREME ICE	34	3	D39	302	-860	-3475	0	0	0	302	-860	-3475
13	6	EXTREME ICE	35	1	N11	100	392	-1589	0	0	0	100	392	-1589
13	6	EXTREME ICE	43	1	ADSS1	165	-465	1809	165	-465	1809	0	0	0
13	6	EXTREME ICE	51	1	CATV11	6	336	-1360	0	0	0	6	336	-1360
13	6	EXTREME ICE	53	1	NEUTRAL	222	-560	-2232	0	0	0	222	-560	-2232
13	6	EXTREME ICE	55	1	N2	100	429	-1738	0	0	0	100	429	-1738
14	9	UPLIFT	1	1	S1	40	-275	1096	40	-275	1096	0	0	0
14	9	UPLIFT	5	1	C1	189	-1721	6271	189	-1721	6271	0	0	0
14	9	UPLIFT	5	2	C2	189	-1724	6270	189	-1724	6270	0	0	0
14	9	UPLIFT	5	3	C3	189	-1727	6269	189	-1727	6269	0	0	0
14	9	UPLIFT	11	1	S11	18	-250	-1003	0	0	0	18	-250	-1003
14	9	UPLIFT	15	1	C11	75	-1574	-5971	0	0	0	75	-1574	-5971
14	9	UPLIFT	15	2	C22	75	-1576	-5971	0	0	0	75	-1576	-5971
14	9	UPLIFT	15	3	C33	75	-1578	-5970	0	0	0	75	-1578	-5970
14	9	UPLIFT	21	1	D1	87	-521	2106	87	-521	2106	0	0	0
14	9	UPLIFT	21	2	D2	87	-548	2100	87	-548	2100	0	0	0
14	9	UPLIFT	21	3	D3	87	-521	2106	87	-521	2106	0	0	0
14	9	UPLIFT	22	1	D4	93	-381	1538	93	-381	1538	0	0	0
14	9	UPLIFT	22	2	D5	93	-400	1533	93	-400	1533	0	0	0
14	9	UPLIFT	22	3	D6	93	-381	1538	93	-381	1538	0	0	0
14	9	UPLIFT	25	1	N1	39	-175	679	39	-175	679	0	0	0
14	9	UPLIFT	31	1	D11	67	-479	-1937	0	0	0	67	-479	-1937
14	9	UPLIFT	31	2	D22	65	-494	-1933	0	0	0	65	-494	-1933
14	9	UPLIFT	31	3	D33	67	-479	-1937	0	0	0	67	-479	-1937
14	9	UPLIFT	32	1	D44	120	772	-3126	0	0	0	120	772	-3126
14	9	UPLIFT	32	2	D55	120	764	-3128	0	0	0	120	764	-3128
14	9	UPLIFT	32	3	D66	120	756	-3130	0	0	0	120	756	-3130
14	9	UPLIFT	33	1	D34	145	756	-3130	0	0	0	145	756	-3130
14	9	UPLIFT	33	2	D35	145	764	-3128	0	0	0	145	764	-3128
14	9	UPLIFT	33	3	D36	145	772	-3126	0	0	0	145	772	-3126

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14	9	UPLIFT	34	1	D37	87	-360	-1457	0	0	0	87	-360	-1457
14	9	UPLIFT	34	2	D38	85	-371	-1454	0	0	0	85	-371	-1454
14	9	UPLIFT	34	3	D39	86	-360	-1457	0	0	0	86	-360	-1457
14	9	UPLIFT	35	1	N11	16	98	-399	0	0	0	16	98	-399
14	9	UPLIFT	43	1	ADSS1	26	-68	264	26	-68	264	0	0	0
14	9	UPLIFT	51	1	CATV11	-15	136	-550	0	0	0	-15	136	-550
14	9	UPLIFT	53	1	NEUTRAL	47	-161	-644	0	0	0	47	-161	-644
14	9	UPLIFT	55	1	N2	18	323	-1310	0	0	0	18	323	-1310
15	28	CAMBER	1	1	S1	34	-176	704	34	-176	704	0	0	0
15	28	CAMBER	5	1	C1	162	-945	3441	162	-945	3441	0	0	0
15	28	CAMBER	5	2	C2	162	-946	3441	162	-946	3441	0	0	0
15	28	CAMBER	5	3	C3	162	-948	3441	162	-948	3441	0	0	0
15	28	CAMBER	11	1	S11	24	-170	-680	0	0	0	24	-170	-680
15	28	CAMBER	15	1	C11	130	-915	-3471	0	0	0	130	-915	-3471
15	28	CAMBER	15	2	C22	130	-916	-3471	0	0	0	130	-916	-3471
15	28	CAMBER	15	3	C33	130	-917	-3471	0	0	0	130	-917	-3471
15	28	CAMBER	21	1	D1	84	-335	1352	84	-335	1352	0	0	0
15	28	CAMBER	21	2	D2	84	-352	1348	84	-352	1348	0	0	0
15	28	CAMBER	21	3	D3	84	-335	1352	84	-335	1352	0	0	0
15	28	CAMBER	22	1	D4	89	-276	1116	89	-276	1116	0	0	0
15	28	CAMBER	22	2	D5	89	-290	1112	89	-290	1112	0	0	0
15	28	CAMBER	22	3	D6	89	-276	1116	89	-276	1116	0	0	0
15	28	CAMBER	25	1	N1	40	-133	519	40	-133	519	0	0	0
15	28	CAMBER	31	1	D11	85	-338	-1366	0	0	0	85	-338	-1366
15	28	CAMBER	31	2	D22	83	-348	-1364	0	0	0	83	-348	-1364
15	28	CAMBER	31	3	D33	85	-338	-1366	0	0	0	85	-338	-1366
15	28	CAMBER	32	1	D44	76	266	-1079	0	0	0	76	266	-1079
15	28	CAMBER	32	2	D55	76	264	-1080	0	0	0	76	264	-1080
15	28	CAMBER	32	3	D66	76	261	-1080	0	0	0	76	261	-1080
15	28	CAMBER	33	1	D34	85	261	-1080	0	0	0	85	261	-1080
15	28	CAMBER	33	2	D35	85	264	-1080	0	0	0	85	264	-1080
15	28	CAMBER	33	3	D36	85	266	-1079	0	0	0	85	266	-1079
15	28	CAMBER	34	1	D37	95	-283	-1143	0	0	0	95	-283	-1143
15	28	CAMBER	34	2	D38	94	-291	-1141	0	0	0	94	-291	-1141
15	28	CAMBER	34	3	D39	95	-283	-1143	0	0	0	95	-283	-1143
15	28	CAMBER	35	1	N11	18	43	-173	0	0	0	18	43	-173
15	28	CAMBER	43	1	ADSS1	26	-58	225	26	-58	225	0	0	0
15	28	CAMBER	51	1	CATV11	4	76	-307	0	0	0	4	76	-307
15	28	CAMBER	53	1	NEUTRAL	50	-132	-526	0	0	0	50	-132	-526
15	28	CAMBER	55	1	N2	25	113	-458	0	0	0	25	113	-458
16	8	LOWOUT DEFLECTION NA	1	1	S1	35	-186	814	35	-186	814	0	0	0
16	8	LOWOUT DEFLECTION NA	5	1	C1	165	-952	3719	165	-952	3719	0	0	0
16	8	LOWOUT DEFLECTION NA	5	2	C2	165	-953	3719	165	-953	3719	0	0	0
16	8	LOWOUT DEFLECTION NA	5	3	C3	164	-955	3718	164	-955	3718	0	0	0
16	8	LOWOUT DEFLECTION NA	11	1	S11	22	-172	-808	0	0	0	22	-172	-808
16	8	LOWOUT DEFLECTION NA	15	1	C11	124	-887	-3794	0	0	0	124	-887	-3794
16	8	LOWOUT DEFLECTION NA	15	2	C22	124	-888	-3794	0	0	0	124	-888	-3794
16	8	LOWOUT DEFLECTION NA	15	3	C33	124	-890	-3794	0	0	0	124	-890	-3794
16	8	LOWOUT DEFLECTION NA	21	1	D1	85	-345	1608	85	-345	1608	0	0	0
16	8	LOWOUT DEFLECTION NA	21	2	D2	85	-365	1603	85	-365	1603	0	0	0
16	8	LOWOUT DEFLECTION NA	21	3	D3	85	-345	1608	85	-345	1608	0	0	0
16	8	LOWOUT DEFLECTION NA	22	1	D4	91	-279	1343	91	-279	1343	0	0	0
16	8	LOWOUT DEFLECTION NA	22	2	D5	91	-296	1340	91	-296	1340	0	0	0
16	8	LOWOUT DEFLECTION NA	22	3	D6	91	-279	1343	91	-279	1343	0	0	0
16	8	LOWOUT DEFLECTION NA	25	1	N1	39	-145	704	39	-145	704	0	0	0
16	8	LOWOUT DEFLECTION NA	31	1	D11	77	-318	-1640	0	0	0	77	-318	-1640
16	8	LOWOUT DEFLECTION NA	31	2	D22	75	-331	-1638	0	0	0	75	-331	-1638
16	8	LOWOUT DEFLECTION NA	31	3	D33	77	-318	-1640	0	0	0	77	-318	-1640
16	8	LOWOUT DEFLECTION NA	32	1	D44	79	339	-1230	0	0	0	79	339	-1230
16	8	LOWOUT DEFLECTION NA	32	2	D55	79	336	-1231	0	0	0	79	336	-1231
16	8	LOWOUT DEFLECTION NA	32	3	D66	80	333	-1232	0	0	0	80	333	-1232
16	8	LOWOUT DEFLECTION NA	33	1	D34	89	333	-1232	0	0	0	89	333	-1232
16	8	LOWOUT DEFLECTION NA	33	2	D35	89	336	-1231	0	0	0	89	336	-1231

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16	8	LOWOUT DEFLECTION NA	33	3	D36	89	339	-1230	0	0	0	89	339	-1230
16	8	LOWOUT DEFLECTION NA	34	1	D37	89	-255	-1387	0	0	0	89	-255	-1387
16	8	LOWOUT DEFLECTION NA	34	2	D38	88	-266	-1385	0	0	0	88	-266	-1385
16	8	LOWOUT DEFLECTION NA	34	3	D39	89	-255	-1387	0	0	0	89	-255	-1387
16	8	LOWOUT DEFLECTION NA	35	1	N11	16	117	-359	0	0	0	16	117	-359
16	8	LOWOUT DEFLECTION NA	43	1	ADSS1	25	-82	482	25	-82	482	0	0	0
16	8	LOWOUT DEFLECTION NA	51	1	CATV11	-4	124	-406	0	0	0	-4	124	-406
16	8	LOWOUT DEFLECTION NA	53	1	NEUTRAL	45	-122	-722	0	0	0	45	-122	-722
16	8	LOWOUT DEFLECTION NA	55	1	N2	24	168	-586	0	0	0	24	168	-586
17	8	LOWOUT DEFLECTION NA	1	1	S1	35	-220	806	35	-220	806	0	0	0
17	8	LOWOUT DEFLECTION NA	5	1	C1	165	-1081	3685	165	-1081	3685	0	0	0
17	8	LOWOUT DEFLECTION NA	5	2	C2	165	-1082	3685	165	-1082	3685	0	0	0
17	8	LOWOUT DEFLECTION NA	5	3	C3	164	-1084	3684	164	-1084	3684	0	0	0
17	8	LOWOUT DEFLECTION NA	11	1	S11	22	-228	-794	0	0	0	22	-228	-794
17	8	LOWOUT DEFLECTION NA	15	1	C11	124	-1099	-3740	0	0	0	124	-1099	-3740
17	8	LOWOUT DEFLECTION NA	15	2	C22	124	-1100	-3740	0	0	0	124	-1100	-3740
17	8	LOWOUT DEFLECTION NA	15	3	C33	124	-1101	-3739	0	0	0	124	-1101	-3739
17	8	LOWOUT DEFLECTION NA	21	1	D1	85	-445	1584	85	-445	1584	0	0	0
17	8	LOWOUT DEFLECTION NA	21	2	D2	85	-465	1578	85	-465	1578	0	0	0
17	8	LOWOUT DEFLECTION NA	21	3	D3	85	-445	1584	85	-445	1584	0	0	0
17	8	LOWOUT DEFLECTION NA	22	1	D4	91	-379	1319	91	-379	1319	0	0	0
17	8	LOWOUT DEFLECTION NA	22	2	D5	91	-396	1314	91	-396	1314	0	0	0
17	8	LOWOUT DEFLECTION NA	22	3	D6	91	-379	1319	91	-379	1319	0	0	0
17	8	LOWOUT DEFLECTION NA	25	1	N1	39	-212	687	39	-212	687	0	0	0
17	8	LOWOUT DEFLECTION NA	31	1	D11	77	-484	-1600	0	0	0	77	-484	-1600
17	8	LOWOUT DEFLECTION NA	31	2	D22	75	-495	-1596	0	0	0	75	-495	-1596
17	8	LOWOUT DEFLECTION NA	31	3	D33	77	-484	-1600	0	0	0	77	-484	-1600
17	8	LOWOUT DEFLECTION NA	32	1	D44	79	273	-1246	0	0	0	79	273	-1246
17	8	LOWOUT DEFLECTION NA	32	2	D55	79	269	-1247	0	0	0	79	269	-1247
17	8	LOWOUT DEFLECTION NA	32	3	D66	80	266	-1248	0	0	0	80	266	-1248
17	8	LOWOUT DEFLECTION NA	33	1	D34	89	266	-1247	0	0	0	89	266	-1247
17	8	LOWOUT DEFLECTION NA	33	2	D35	89	269	-1247	0	0	0	89	269	-1247
17	8	LOWOUT DEFLECTION NA	33	3	D36	89	273	-1246	0	0	0	89	273	-1246
17	8	LOWOUT DEFLECTION NA	34	1	D37	89	-421	-1347	0	0	0	89	-421	-1347
17	8	LOWOUT DEFLECTION NA	34	2	D38	88	-431	-1344	0	0	0	88	-431	-1344
17	8	LOWOUT DEFLECTION NA	34	3	D39	89	-421	-1347	0	0	0	89	-421	-1347
17	8	LOWOUT DEFLECTION NA	35	1	N11	16	64	-371	0	0	0	16	64	-371
17	8	LOWOUT DEFLECTION NA	43	1	ADSS1	25	-161	462	25	-161	462	0	0	0
17	8	LOWOUT DEFLECTION NA	51	1	CATV11	-4	79	-416	0	0	0	-4	79	-416
17	8	LOWOUT DEFLECTION NA	53	1	NEUTRAL	45	-233	-695	0	0	0	45	-233	-695
17	8	LOWOUT DEFLECTION NA	55	1	N2	24	124	-597	0	0	0	24	124	-597

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	S1	58	-1348	-2451	0	0	0	58	-1348	-2451
7	1	NESC MEDIUM NA+ (250B)	5	1	C1	526	-5242	-9318	0	0	0	526	-5242	-9318
7	1	NESC MEDIUM NA+ (250B)	5	2	C2	526	-5249	-9314	0	0	0	526	-5249	-9314
7	1	NESC MEDIUM NA+ (250B)	5	3	C3	526	-5255	-9310	0	0	0	526	-5255	-9310
7	1	NESC MEDIUM NA+ (250B)	11	1	S11	78	-1289	2485	78	-1289	2485	0	0	0
7	1	NESC MEDIUM NA+ (250B)	15	1	C11	292	-5225	9343	292	-5225	9343	0	0	0
7	1	NESC MEDIUM NA+ (250B)	15	2	C22	292	-5227	9341	292	-5227	9341	0	0	0
7	1	NESC MEDIUM NA+ (250B)	15	3	C33	291	-5230	9340	291	-5230	9340	0	0	0
7	1	NESC MEDIUM NA+ (250B)	21	1	D1	195	-2348	-4339	0	0	0	195	-2348	-4339
7	1	NESC MEDIUM NA+ (250B)	21	2	D2	193	-2416	-4301	0	0	0	193	-2416	-4301
7	1	NESC MEDIUM NA+ (250B)	21	3	D3	195	-2345	-4340	0	0	0	195	-2345	-4340
7	1	NESC MEDIUM NA+ (250B)	22	1	D4	232	-2347	-4339	0	0	0	232	-2347	-4339
7	1	NESC MEDIUM NA+ (250B)	22	2	D5	230	-2416	-4301	0	0	0	230	-2416	-4301
7	1	NESC MEDIUM NA+ (250B)	22	3	D6	231	-2344	-4340	0	0	0	231	-2344	-4340
7	1	NESC MEDIUM NA+ (250B)	25	1	N1	135	-1175	-2165	0	0	0	135	-1175	-2165
7	1	NESC MEDIUM NA+ (250B)	31	1	D11	219	-2256	4386	219	-2256	4386	0	0	0
7	1	NESC MEDIUM NA+ (250B)	31	2	D22	216	-2290	4368	216	-2290	4368	0	0	0
7	1	NESC MEDIUM NA+ (250B)	31	3	D33	219	-2256	4386	219	-2256	4386	0	0	0
7	1	NESC MEDIUM NA+ (250B)	32	1	D14	241	-1845	3666	241	-1845	3666	0	0	0
7	1	NESC MEDIUM NA+ (250B)	32	2	D15	238	-1874	3651	238	-1874	3651	0	0	0
7	1	NESC MEDIUM NA+ (250B)	32	3	D16	241	-1845	3666	241	-1845	3666	0	0	0
7	1	NESC MEDIUM NA+ (250B)	35	1	N11	128	-1084	2210	128	-1084	2210	0	0	0
8	1	NESC MEDIUM NA- (250B)	1	1	S1	58	-1447	-2395	0	0	0	58	-1447	-2395
8	1	NESC MEDIUM NA- (250B)	5	1	C1	526	-5458	-9199	0	0	0	526	-5458	-9199
8	1	NESC MEDIUM NA- (250B)	5	2	C2	526	-5464	-9195	0	0	0	526	-5464	-9195
8	1	NESC MEDIUM NA- (250B)	5	3	C3	526	-5470	-9191	0	0	0	526	-5470	-9191
8	1	NESC MEDIUM NA- (250B)	11	1	S11	78	-1491	2370	78	-1491	2370	0	0	0
8	1	NESC MEDIUM NA- (250B)	15	1	C11	292	-5658	9093	292	-5658	9093	0	0	0
8	1	NESC MEDIUM NA- (250B)	15	2	C22	292	-5660	9092	292	-5660	9092	0	0	0
8	1	NESC MEDIUM NA- (250B)	15	3	C33	291	-5662	9090	291	-5662	9090	0	0	0
8	1	NESC MEDIUM NA- (250B)	21	1	D1	195	-2529	-4238	0	0	0	195	-2529	-4238
8	1	NESC MEDIUM NA- (250B)	21	2	D2	193	-2591	-4200	0	0	0	193	-2591	-4200
8	1	NESC MEDIUM NA- (250B)	21	3	D3	195	-2525	-4241	0	0	0	195	-2525	-4241
8	1	NESC MEDIUM NA- (250B)	22	1	D4	232	-2529	-4238	0	0	0	232	-2529	-4238
8	1	NESC MEDIUM NA- (250B)	22	2	D5	230	-2591	-4200	0	0	0	230	-2591	-4200
8	1	NESC MEDIUM NA- (250B)	22	3	D6	231	-2524	-4241	0	0	0	231	-2524	-4241
8	1	NESC MEDIUM NA- (250B)	25	1	N1	135	-1313	-2086	0	0	0	135	-1313	-2086
8	1	NESC MEDIUM NA- (250B)	31	1	D11	219	-2625	4178	219	-2625	4178	0	0	0
8	1	NESC MEDIUM NA- (250B)	31	2	D22	216	-2655	4159	216	-2655	4159	0	0	0
8	1	NESC MEDIUM NA- (250B)	31	3	D33	219	-2625	4178	219	-2625	4178	0	0	0
8	1	NESC MEDIUM NA- (250B)	32	1	D14	241	-2215	3458	241	-2215	3458	0	0	0
8	1	NESC MEDIUM NA- (250B)	32	2	D15	238	-2239	3442	238	-2239	3442	0	0	0
8	1	NESC MEDIUM NA- (250B)	32	3	D16	241	-2215	3458	241	-2215	3458	0	0	0
8	1	NESC MEDIUM NA- (250B)	35	1	N11	128	-1368	2049	128	-1368	2049	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	1	1	S1	119	-1193	-2131	0	0	0	119	-1193	-2131
9	4	NCURRENT ICE/WIND NA+ (25	5	1	C1	572	-4039	-7085	0	0	0	572	-4039	-7085
9	4	NCURRENT ICE/WIND NA+ (25	5	2	C2	572	-4044	-7083	0	0	0	572	-4044	-7083
9	4	NCURRENT ICE/WIND NA+ (25	5	3	C3	572	-4049	-7080	0	0	0	572	-4049	-7080
9	4	NCURRENT ICE/WIND NA+ (25	11	1	S11	190	-1283	2370	190	-1283	2370	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	15	1	C11	435	-4370	7596	435	-4370	7596	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	15	2	C22	434	-4373	7595	434	-4373	7595	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	15	3	C33	434	-4375	7594	434	-4375	7594	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	21	1	D1	275	-2156	-3880	0	0	0	275	-2156	-3880
9	4	NCURRENT ICE/WIND NA+ (25	21	2	D2	271	-2216	-3846	0	0	0	271	-2216	-3846
9	4	NCURRENT ICE/WIND NA+ (25	21	3	D3	274	-2153	-3881	0	0	0	274	-2153	-3881
9	4	NCURRENT ICE/WIND NA+ (25	22	1	D4	317	-2156	-3880	0	0	0	317	-2156	-3880
9	4	NCURRENT ICE/WIND NA+ (25	22	2	D5	314	-2216	-3846	0	0	0	314	-2216	-3846
9	4	NCURRENT ICE/WIND NA+ (25	22	3	D6	316	-2153	-3881	0	0	0	316	-2153	-3881
9	4	NCURRENT ICE/WIND NA+ (25	25	1	N1	223	-1232	-2177	0	0	0	223	-1232	-2177

9	4	NCURRENT ICE/WIND NA+ (25	31	1	D11	354	-2298	4212	354	-2298	4212	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	31	2	D22	349	-2330	4194	349	-2330	4194	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	31	3	D33	354	-2298	4212	354	-2298	4212	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	32	1	D14	378	-1994	3679	378	-1994	3679	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	32	2	D15	373	-2023	3664	373	-2023	3664	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	32	3	D16	378	-1994	3679	378	-1994	3679	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	35	1	N11	251	-1271	2360	251	-1271	2360	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	1	1	S1	119	-1247	-2101	0	0	0	119	-1247	-2101
10	4	NCURRENT ICE/WIND NA- (25	5	1	C1	572	-4123	-7039	0	0	0	572	-4123	-7039
10	4	NCURRENT ICE/WIND NA- (25	5	2	C2	572	-4127	-7036	0	0	0	572	-4127	-7036
10	4	NCURRENT ICE/WIND NA- (25	5	3	C3	572	-4132	-7033	0	0	0	572	-4132	-7033
10	4	NCURRENT ICE/WIND NA- (25	11	1	S11	190	-1395	2307	190	-1395	2307	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	15	1	C11	435	-4540	7498	435	-4540	7498	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	15	2	C22	434	-4542	7497	434	-4542	7497	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	15	3	C33	434	-4544	7496	434	-4544	7496	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	21	1	D1	275	-2232	-3837	0	0	0	275	-2232	-3837
10	4	NCURRENT ICE/WIND NA- (25	21	2	D2	271	-2289	-3803	0	0	0	271	-2289	-3803
10	4	NCURRENT ICE/WIND NA- (25	21	3	D3	274	-2228	-3839	0	0	0	274	-2228	-3839
10	4	NCURRENT ICE/WIND NA- (25	22	1	D4	317	-2231	-3838	0	0	0	317	-2231	-3838
10	4	NCURRENT ICE/WIND NA- (25	22	2	D5	314	-2289	-3804	0	0	0	314	-2289	-3804
10	4	NCURRENT ICE/WIND NA- (25	22	3	D6	316	-2228	-3840	0	0	0	316	-2228	-3840
10	4	NCURRENT ICE/WIND NA- (25	25	1	N1	223	-1296	-2141	0	0	0	223	-1296	-2141
10	4	NCURRENT ICE/WIND NA- (25	31	1	D11	354	-2452	4124	354	-2452	4124	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	31	2	D22	349	-2483	4106	349	-2483	4106	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	31	3	D33	354	-2452	4124	354	-2452	4124	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	32	1	D14	378	-2149	3592	378	-2149	3592	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	32	2	D15	373	-2175	3576	373	-2175	3576	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	32	3	D16	378	-2149	3592	378	-2149	3592	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	35	1	N11	251	-1403	2285	251	-1403	2285	0	0	0
11	3	EXTREME WIND NA+ (250C)	1	1	S1	28	-814	-1571	0	0	0	28	-814	-1571
11	3	EXTREME WIND NA+ (250C)	5	1	C1	344	-2949	-5701	0	0	0	344	-2949	-5701
11	3	EXTREME WIND NA+ (250C)	5	2	C2	344	-2958	-5697	0	0	0	344	-2958	-5697
11	3	EXTREME WIND NA+ (250C)	5	3	C3	344	-2967	-5692	0	0	0	344	-2967	-5692
11	3	EXTREME WIND NA+ (250C)	11	1	S11	17	-815	1730	17	-815	1730	0	0	0
11	3	EXTREME WIND NA+ (250C)	15	1	C11	112	-3264	6655	112	-3264	6655	0	0	0
11	3	EXTREME WIND NA+ (250C)	15	2	C22	112	-3274	6649	112	-3274	6649	0	0	0
11	3	EXTREME WIND NA+ (250C)	15	3	C33	112	-3285	6643	112	-3285	6643	0	0	0
11	3	EXTREME WIND NA+ (250C)	21	1	D1	118	-1588	-3231	0	0	0	118	-1588	-3231
11	3	EXTREME WIND NA+ (250C)	21	2	D2	118	-1641	-3204	0	0	0	118	-1641	-3204
11	3	EXTREME WIND NA+ (250C)	21	3	D3	118	-1587	-3232	0	0	0	118	-1587	-3232
11	3	EXTREME WIND NA+ (250C)	22	1	D4	151	-1564	-3180	0	0	0	151	-1564	-3180
11	3	EXTREME WIND NA+ (250C)	22	2	D5	151	-1617	-3152	0	0	0	151	-1617	-3152
11	3	EXTREME WIND NA+ (250C)	22	3	D6	151	-1563	-3180	0	0	0	151	-1563	-3180
11	3	EXTREME WIND NA+ (250C)	25	1	N1	92	-857	-1735	0	0	0	92	-857	-1735
11	3	EXTREME WIND NA+ (250C)	31	1	D11	65	-1672	3786	65	-1672	3786	0	0	0
11	3	EXTREME WIND NA+ (250C)	31	2	D22	63	-1703	3772	63	-1703	3772	0	0	0
11	3	EXTREME WIND NA+ (250C)	31	3	D33	65	-1672	3786	65	-1672	3786	0	0	0
11	3	EXTREME WIND NA+ (250C)	32	1	D14	86	-1424	3335	86	-1424	3335	0	0	0
11	3	EXTREME WIND NA+ (250C)	32	2	D15	84	-1452	3322	84	-1452	3322	0	0	0
11	3	EXTREME WIND NA+ (250C)	32	3	D16	86	-1424	3335	86	-1424	3335	0	0	0
11	3	EXTREME WIND NA+ (250C)	35	1	N11	23	-832	1977	23	-832	1977	0	0	0
12	3	EXTREME WIND NA- (250C)	1	1	S1	28	-954	-1494	0	0	0	28	-954	-1494
12	3	EXTREME WIND NA- (250C)	5	1	C1	344	-3477	-5419	0	0	0	344	-3477	-5419
12	3	EXTREME WIND NA- (250C)	5	2	C2	344	-3476	-5420	0	0	0	344	-3476	-5420
12	3	EXTREME WIND NA- (250C)	5	3	C3	344	-3475	-5420	0	0	0	344	-3475	-5420
12	3	EXTREME WIND NA- (250C)	11	1	S11	17	-1081	1582	17	-1081	1582	0	0	0
12	3	EXTREME WIND NA- (250C)	15	1	C11	112	-4260	6091	112	-4260	6091	0	0	0
12	3	EXTREME WIND NA- (250C)	15	2	C22	112	-4253	6095	112	-4253	6095	0	0	0
12	3	EXTREME WIND NA- (250C)	15	3	C33	112	-4246	6099	112	-4246	6099	0	0	0
12	3	EXTREME WIND NA- (250C)	21	1	D1	118	-1969	-3023	0	0	0	118	-1969	-3023
12	3	EXTREME WIND NA- (250C)	21	2	D2	118	-2010	-2995	0	0	0	118	-2010	-2995
12	3	EXTREME WIND NA- (250C)	21	3	D3	118	-1964	-3026	0	0	0	118	-1964	-3026
12	3	EXTREME WIND NA- (250C)	22	1	D4	151	-1936	-2976	0	0	0	151	-1936	-2976

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12	3	EXTREME WIND NA- (250C)	22	2	D5	151	-1977	-2949	0	0	0	151	-1977	-2949
12	3	EXTREME WIND NA- (250C)	22	3	D6	151	-1932	-2979	0	0	0	151	-1932	-2979
12	3	EXTREME WIND NA- (250C)	25	1	N1	92	-1096	-1603	0	0	0	92	-1096	-1603
12	3	EXTREME WIND NA- (250C)	31	1	D11	65	-2409	3375	65	-2409	3375	0	0	0
12	3	EXTREME WIND NA- (250C)	31	2	D22	63	-2432	3358	63	-2432	3358	0	0	0
12	3	EXTREME WIND NA- (250C)	31	3	D33	65	-2409	3375	65	-2409	3375	0	0	0
12	3	EXTREME WIND NA- (250C)	32	1	D14	86	-2147	2931	86	-2147	2931	0	0	0
12	3	EXTREME WIND NA- (250C)	32	2	D15	84	-2166	2917	84	-2166	2917	0	0	0
12	3	EXTREME WIND NA- (250C)	32	3	D16	86	-2147	2931	86	-2147	2931	0	0	0
12	3	EXTREME WIND NA- (250C)	35	1	N11	23	-1295	1718	23	-1295	1718	0	0	0
13	6	EXTREME ICE	1	1	S1	108	-1041	-1804	0	0	0	108	-1041	-1804
13	6	EXTREME ICE	5	1	C1	493	-3330	-5762	0	0	0	493	-3330	-5762
13	6	EXTREME ICE	5	2	C2	493	-3334	-5760	0	0	0	493	-3334	-5760
13	6	EXTREME ICE	5	3	C3	493	-3338	-5757	0	0	0	493	-3338	-5757
13	6	EXTREME ICE	11	1	S11	175	-1152	2012	175	-1152	2012	0	0	0
13	6	EXTREME ICE	15	1	C11	405	-3735	6327	405	-3735	6327	0	0	0
13	6	EXTREME ICE	15	2	C22	405	-3736	6326	405	-3736	6326	0	0	0
13	6	EXTREME ICE	15	3	C33	404	-3738	6325	404	-3738	6325	0	0	0
13	6	EXTREME ICE	21	1	D1	246	-1813	-3188	0	0	0	246	-1813	-3188
13	6	EXTREME ICE	21	2	D2	242	-1861	-3160	0	0	0	242	-1861	-3160
13	6	EXTREME ICE	21	3	D3	244	-1810	-3189	0	0	0	244	-1810	-3189
13	6	EXTREME ICE	22	1	D4	280	-1812	-3188	0	0	0	280	-1812	-3188
13	6	EXTREME ICE	22	2	D5	277	-1861	-3160	0	0	0	277	-1861	-3160
13	6	EXTREME ICE	22	3	D6	279	-1810	-3190	0	0	0	279	-1810	-3190
13	6	EXTREME ICE	25	1	N1	198	-1064	-1817	0	0	0	198	-1064	-1817
13	6	EXTREME ICE	31	1	D11	327	-2018	3542	327	-2018	3542	0	0	0
13	6	EXTREME ICE	31	2	D22	323	-2045	3527	323	-2045	3527	0	0	0
13	6	EXTREME ICE	31	3	D33	327	-2018	3542	327	-2018	3542	0	0	0
13	6	EXTREME ICE	32	1	D14	347	-1772	3110	347	-1772	3110	0	0	0
13	6	EXTREME ICE	32	2	D15	343	-1796	3097	343	-1796	3097	0	0	0
13	6	EXTREME ICE	32	3	D16	347	-1772	3110	347	-1772	3110	0	0	0
13	6	EXTREME ICE	35	1	N11	231	-1148	1994	231	-1148	1994	0	0	0
14	9	UPLIFT	1	1	S1	25	-712	-1235	0	0	0	25	-712	-1235
14	9	UPLIFT	5	1	C1	348	-3419	-5917	0	0	0	348	-3419	-5917
14	9	UPLIFT	5	2	C2	348	-3423	-5914	0	0	0	348	-3423	-5914
14	9	UPLIFT	5	3	C3	348	-3427	-5912	0	0	0	348	-3427	-5912
14	9	UPLIFT	11	1	S11	24	-514	897	24	-514	897	0	0	0
14	9	UPLIFT	15	1	C11	110	-3139	5318	110	-3139	5318	0	0	0
14	9	UPLIFT	15	2	C22	110	-3141	5317	110	-3141	5317	0	0	0
14	9	UPLIFT	15	3	C33	110	-3142	5316	110	-3142	5316	0	0	0
14	9	UPLIFT	21	1	D1	98	-1255	-2207	0	0	0	98	-1255	-2207
14	9	UPLIFT	21	2	D2	97	-1289	-2188	0	0	0	97	-1289	-2188
14	9	UPLIFT	21	3	D3	98	-1253	-2208	0	0	0	98	-1253	-2208
14	9	UPLIFT	22	1	D4	122	-1255	-2207	0	0	0	122	-1255	-2207
14	9	UPLIFT	22	2	D5	122	-1289	-2188	0	0	0	122	-1289	-2188
14	9	UPLIFT	22	3	D6	122	-1253	-2208	0	0	0	122	-1253	-2208
14	9	UPLIFT	25	1	N1	57	-420	-717	0	0	0	57	-420	-717
14	9	UPLIFT	31	1	D11	91	-988	1734	91	-988	1734	0	0	0
14	9	UPLIFT	31	2	D22	90	-1001	1726	90	-1001	1726	0	0	0
14	9	UPLIFT	31	3	D33	91	-988	1734	91	-988	1734	0	0	0
14	9	UPLIFT	32	1	D14	105	-743	1304	105	-743	1304	0	0	0
14	9	UPLIFT	32	2	D15	104	-753	1298	104	-753	1298	0	0	0
14	9	UPLIFT	32	3	D16	105	-743	1304	105	-743	1304	0	0	0
14	9	UPLIFT	35	1	N11	50	-331	575	50	-331	575	0	0	0
15	28	CAMBER	1	1	S1	23	-439	-761	0	0	0	23	-439	-761
15	28	CAMBER	5	1	C1	228	-1722	-2981	0	0	0	228	-1722	-2981
15	28	CAMBER	5	2	C2	228	-1725	-2980	0	0	0	228	-1725	-2980
15	28	CAMBER	5	3	C3	228	-1727	-2978	0	0	0	228	-1727	-2978
15	28	CAMBER	11	1	S11	28	-348	608	28	-348	608	0	0	0
15	28	CAMBER	15	1	C11	151	-1825	3092	151	-1825	3092	0	0	0
15	28	CAMBER	15	2	C22	151	-1826	3091	151	-1826	3091	0	0	0
15	28	CAMBER	15	3	C33	151	-1827	3091	151	-1827	3091	0	0	0
15	28	CAMBER	21	1	D1	82	-648	-1139	0	0	0	82	-648	-1139

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15	28	CAMBER	21	2	D2	81	-665	-1129	0	0	0	81	-665	-1129
15	28	CAMBER	21	3	D3	82	-647	-1139	0	0	0	82	-647	-1139
15	28	CAMBER	22	1	D4	94	-647	-1138	0	0	0	94	-647	-1138
15	28	CAMBER	22	2	D5	93	-664	-1128	0	0	0	93	-664	-1128
15	28	CAMBER	22	3	D6	94	-646	-1139	0	0	0	94	-646	-1139
15	28	CAMBER	25	1	N1	48	-264	-451	0	0	0	48	-264	-451
15	28	CAMBER	31	1	D11	102	-697	1223	102	-697	1223	0	0	0
15	28	CAMBER	31	2	D22	101	-706	1218	101	-706	1218	0	0	0
15	28	CAMBER	31	3	D33	102	-697	1223	102	-697	1223	0	0	0
15	28	CAMBER	32	1	D14	110	-583	1023	110	-583	1023	0	0	0
15	28	CAMBER	32	2	D15	109	-591	1018	109	-591	1018	0	0	0
15	28	CAMBER	32	3	D16	110	-583	1023	110	-583	1023	0	0	0
15	28	CAMBER	35	1	N11	52	-271	470	52	-271	470	0	0	0
16	8	BLOWOUT DEFLECTION NA+	1	1	S1	23	-462	-830	0	0	0	23	-462	-830
16	8	BLOWOUT DEFLECTION NA+	5	1	C1	236	-1782	-3191	0	0	0	236	-1782	-3191
16	8	BLOWOUT DEFLECTION NA+	5	2	C2	236	-1784	-3190	0	0	0	236	-1784	-3190
16	8	BLOWOUT DEFLECTION NA+	5	3	C3	236	-1786	-3189	0	0	0	236	-1786	-3189
16	8	BLOWOUT DEFLECTION NA+	11	1	S11	27	-385	730	27	-385	730	0	0	0
16	8	BLOWOUT DEFLECTION NA+	15	1	C11	146	-1886	3409	146	-1886	3409	0	0	0
16	8	BLOWOUT DEFLECTION NA+	15	2	C22	146	-1887	3409	146	-1887	3409	0	0	0
16	8	BLOWOUT DEFLECTION NA+	15	3	C33	146	-1888	3408	146	-1888	3408	0	0	0
16	8	BLOWOUT DEFLECTION NA+	21	1	D1	85	-720	-1351	0	0	0	85	-720	-1351
16	8	BLOWOUT DEFLECTION NA+	21	2	D2	84	-741	-1339	0	0	0	84	-741	-1339
16	8	BLOWOUT DEFLECTION NA+	21	3	D3	84	-719	-1352	0	0	0	84	-719	-1352
16	8	BLOWOUT DEFLECTION NA+	22	1	D4	99	-720	-1351	0	0	0	99	-720	-1351
16	8	BLOWOUT DEFLECTION NA+	22	2	D5	98	-741	-1339	0	0	0	98	-741	-1339
16	8	BLOWOUT DEFLECTION NA+	22	3	D6	99	-719	-1352	0	0	0	99	-719	-1352
16	8	BLOWOUT DEFLECTION NA+	25	1	N1	53	-326	-612	0	0	0	53	-326	-612
16	8	BLOWOUT DEFLECTION NA+	31	1	D11	98	-751	1492	98	-751	1492	0	0	0
16	8	BLOWOUT DEFLECTION NA+	31	2	D22	96	-763	1486	96	-763	1486	0	0	0
16	8	BLOWOUT DEFLECTION NA+	31	3	D33	97	-751	1492	97	-751	1492	0	0	0
16	8	BLOWOUT DEFLECTION NA+	32	1	D14	107	-622	1266	107	-622	1266	0	0	0
16	8	BLOWOUT DEFLECTION NA+	32	2	D15	105	-633	1261	105	-633	1261	0	0	0
16	8	BLOWOUT DEFLECTION NA+	32	3	D16	107	-622	1266	107	-622	1266	0	0	0
16	8	BLOWOUT DEFLECTION NA+	35	1	N11	48	-315	661	48	-315	661	0	0	0
17	8	BLOWOUT DEFLECTION NA-	1	1	S1	23	-487	-816	0	0	0	23	-487	-816
17	8	BLOWOUT DEFLECTION NA-	5	1	C1	236	-1877	-3140	0	0	0	236	-1877	-3140
17	8	BLOWOUT DEFLECTION NA-	5	2	C2	236	-1879	-3139	0	0	0	236	-1879	-3139
17	8	BLOWOUT DEFLECTION NA-	5	3	C3	236	-1881	-3137	0	0	0	236	-1881	-3137
17	8	BLOWOUT DEFLECTION NA-	11	1	S11	27	-435	702	27	-435	702	0	0	0
17	8	BLOWOUT DEFLECTION NA-	15	1	C11	146	-2075	3301	146	-2075	3301	0	0	0
17	8	BLOWOUT DEFLECTION NA-	15	2	C22	146	-2076	3301	146	-2076	3301	0	0	0
17	8	BLOWOUT DEFLECTION NA-	15	3	C33	146	-2077	3300	146	-2077	3300	0	0	0
17	8	BLOWOUT DEFLECTION NA-	21	1	D1	85	-794	-1311	0	0	0	85	-794	-1311
17	8	BLOWOUT DEFLECTION NA-	21	2	D2	84	-813	-1299	0	0	0	84	-813	-1299
17	8	BLOWOUT DEFLECTION NA-	21	3	D3	84	-792	-1311	0	0	0	84	-792	-1311
17	8	BLOWOUT DEFLECTION NA-	22	1	D4	99	-794	-1311	0	0	0	99	-794	-1311
17	8	BLOWOUT DEFLECTION NA-	22	2	D5	98	-813	-1299	0	0	0	98	-813	-1299
17	8	BLOWOUT DEFLECTION NA-	22	3	D6	99	-792	-1311	0	0	0	99	-792	-1311
17	8	BLOWOUT DEFLECTION NA-	25	1	N1	53	-375	-585	0	0	0	53	-375	-585
17	8	BLOWOUT DEFLECTION NA-	31	1	D11	98	-901	1408	98	-901	1408	0	0	0
17	8	BLOWOUT DEFLECTION NA-	31	2	D22	96	-911	1402	96	-911	1402	0	0	0
17	8	BLOWOUT DEFLECTION NA-	31	3	D33	97	-901	1408	97	-901	1408	0	0	0
17	8	BLOWOUT DEFLECTION NA-	32	1	D14	107	-772	1182	107	-772	1182	0	0	0
17	8	BLOWOUT DEFLECTION NA-	32	2	D15	105	-780	1176	105	-780	1176	0	0	0
17	8	BLOWOUT DEFLECTION NA-	32	3	D16	107	-772	1182	107	-772	1182	0	0	0
17	8	BLOWOUT DEFLECTION NA-	35	1	N11	48	-414	605	48	-414	605	0	0	0

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	SW	121	777	5	44	404	-2768	77	373	2773
7	1	NESC MEDIUM NA+ (250B)	3	1	TC	-1	2993	38	-101	1626	-10569	100	1367	10607
7	1	NESC MEDIUM NA+ (250B)	3	2	MC	-1	2977	38	-102	1618	-10570	100	1359	10608
7	1	NESC MEDIUM NA+ (250B)	3	3	BC	-2	2961	38	-102	1611	-10571	100	1350	10609
7	1	NESC MEDIUM NA+ (250B)	5	1	D1	216	1423	11	89	744	-4878	127	679	4888
7	1	NESC MEDIUM NA+ (250B)	5	2	D2	213	1244	13	86	666	-4889	127	577	4901
7	1	NESC MEDIUM NA+ (250B)	5	3	D3	219	1414	10	91	738	-4879	128	676	4889
7	1	NESC MEDIUM NA+ (250B)	6	1	D4	171	1423	11	53	744	-4878	119	679	4888
7	1	NESC MEDIUM NA+ (250B)	6	2	D5	168	1244	13	48	667	-4889	119	577	4902
7	1	NESC MEDIUM NA+ (250B)	6	3	D6	175	1414	11	55	739	-4878	121	675	4889
7	1	NESC MEDIUM NA+ (250B)	7	1	N	101	579	7	29	312	-2444	73	267	2451
8	1	NESC MEDIUM NA- (250B)	1	1	SW	121	1053	-4	44	514	-2750	77	539	2746
8	1	NESC MEDIUM NA- (250B)	3	1	TC	-1	3593	24	-101	1865	-10530	100	1729	10555
8	1	NESC MEDIUM NA- (250B)	3	2	MC	-1	3577	25	-102	1857	-10532	100	1720	10556
8	1	NESC MEDIUM NA- (250B)	3	3	BC	-2	3561	25	-102	1850	-10533	100	1711	10557
8	1	NESC MEDIUM NA- (250B)	5	1	D1	216	1925	-7	89	942	-4843	127	983	4837
8	1	NESC MEDIUM NA- (250B)	5	2	D2	213	1744	-2	86	862	-4858	127	882	4856
8	1	NESC MEDIUM NA- (250B)	5	3	D3	219	1920	-7	91	939	-4844	128	981	4837
8	1	NESC MEDIUM NA- (250B)	6	1	D4	171	1925	-6	53	943	-4843	119	982	4837
8	1	NESC MEDIUM NA- (250B)	6	2	D5	168	1745	-2	48	863	-4858	119	882	4856
8	1	NESC MEDIUM NA- (250B)	6	3	D6	175	1920	-7	55	940	-4844	121	981	4837
8	1	NESC MEDIUM NA- (250B)	7	1	N	101	966	-5	29	465	-2420	73	501	2414
9	4	NCURRENT ICE/WIND NA+ (25	1	1	SW	269	723	3	101	370	-2415	168	352	2418
9	4	NCURRENT ICE/WIND NA+ (25	3	1	TC	209	2394	26	-12	1284	-8054	220	1110	8081
9	4	NCURRENT ICE/WIND NA+ (25	3	2	MC	208	2382	26	-12	1279	-8055	220	1103	8082
9	4	NCURRENT ICE/WIND NA+ (25	3	3	BC	208	2370	26	-13	1273	-8056	220	1097	8082
9	4	NCURRENT ICE/WIND NA+ (25	5	1	D1	380	1401	5	154	717	-4381	226	684	4386
9	4	NCURRENT ICE/WIND NA+ (25	5	2	D2	376	1239	8	150	647	-4391	226	593	4399
9	4	NCURRENT ICE/WIND NA+ (25	5	3	D3	385	1394	5	157	713	-4381	228	681	4387
9	4	NCURRENT ICE/WIND NA+ (25	6	1	D4	329	1401	6	112	717	-4381	217	684	4386
9	4	NCURRENT ICE/WIND NA+ (25	6	2	D5	324	1240	8	106	647	-4391	217	592	4399
9	4	NCURRENT ICE/WIND NA+ (25	6	3	D6	334	1394	5	115	713	-4381	219	681	4387
9	4	NCURRENT ICE/WIND NA+ (25	7	1	N	238	694	4	78	359	-2476	160	335	2480
10	4	NCURRENT ICE/WIND NA- (25	1	1	SW	269	876	-2	101	431	-2405	168	445	2402
10	4	NCURRENT ICE/WIND NA- (25	3	1	TC	209	2629	21	-12	1378	-8039	220	1251	8060
10	4	NCURRENT ICE/WIND NA- (25	3	2	MC	208	2617	21	-12	1372	-8040	220	1245	8061
10	4	NCURRENT ICE/WIND NA- (25	3	3	BC	208	2605	21	-13	1367	-8041	220	1238	8062
10	4	NCURRENT ICE/WIND NA- (25	5	1	D1	380	1612	-2	154	800	-4366	226	811	4364
10	4	NCURRENT ICE/WIND NA- (25	5	2	D2	376	1449	2	150	729	-4379	226	721	4380
10	4	NCURRENT ICE/WIND NA- (25	5	3	D3	385	1606	-2	157	797	-4367	228	809	4365
10	4	NCURRENT ICE/WIND NA- (25	6	1	D4	329	1612	-2	112	801	-4366	217	811	4364
10	4	NCURRENT ICE/WIND NA- (25	6	2	D5	324	1450	2	106	729	-4379	217	720	4380
10	4	NCURRENT ICE/WIND NA- (25	6	3	D6	334	1606	-2	115	797	-4367	219	809	4365
10	4	NCURRENT ICE/WIND NA- (25	7	1	N	238	875	-2	78	430	-2465	160	445	2462
11	3	EXTREME WIND NA+ (250C)	1	1	SW	47	394	6	15	215	-1758	32	179	1764
11	3	EXTREME WIND NA+ (250C)	3	1	TC	-107	1271	34	-117	760	-6382	10	511	6416
11	3	EXTREME WIND NA+ (250C)	3	2	MC	-107	1274	34	-117	761	-6382	10	513	6415
11	3	EXTREME WIND NA+ (250C)	3	3	BC	-108	1278	34	-117	762	-6381	10	516	6415
11	3	EXTREME WIND NA+ (250C)	5	1	D1	44	711	17	21	409	-3580	24	302	3597
11	3	EXTREME WIND NA+ (250C)	5	2	D2	42	582	17	19	355	-3586	24	227	3603
11	3	EXTREME WIND NA+ (250C)	5	3	D3	46	703	17	22	404	-3581	25	299	3598
11	3	EXTREME WIND NA+ (250C)	6	1	D4	6	704	17	-12	405	-3523	18	300	3541
11	3	EXTREME WIND NA+ (250C)	6	2	D5	3	577	17	-15	351	-3529	18	226	3546
11	3	EXTREME WIND NA+ (250C)	6	3	D6	8	696	17	-11	400	-3524	19	296	3541
11	3	EXTREME WIND NA+ (250C)	7	1	N	-24	287	10	-22	176	-1930	-2	111	1940
12	3	EXTREME WIND NA- (250C)	1	1	SW	47	764	-5	15	365	-1733	32	399	1727
12	3	EXTREME WIND NA- (250C)	3	1	TC	-107	2685	6	-117	1336	-6290	10	1349	6296
12	3	EXTREME WIND NA- (250C)	3	2	MC	-107	2663	7	-117	1326	-6292	10	1336	6299
12	3	EXTREME WIND NA- (250C)	3	3	BC	-108	2639	7	-117	1316	-6294	10	1323	6301

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12	3	EXTREME WIND NA- (250C)	5	1	D1	44	1730	-15	21	820	-3509	24	910	3493
12	3	EXTREME WIND NA- (250C)	5	2	D2	42	1597	-10	19	760	-3522	24	837	3512
12	3	EXTREME WIND NA- (250C)	5	3	D3	46	1728	-15	22	819	-3509	25	909	3494
12	3	EXTREME WIND NA- (250C)	6	1	D4	6	1699	-14	-12	806	-3454	18	893	3439
12	3	EXTREME WIND NA- (250C)	6	2	D5	3	1568	-10	-15	747	-3467	18	821	3457
12	3	EXTREME WIND NA- (250C)	6	3	D6	8	1697	-14	-11	805	-3454	19	892	3440
12	3	EXTREME WIND NA- (250C)	7	1	N	-24	925	-9	-22	434	-1889	-2	491	1880
13	6	EXTREME ICE	1	1	SW	245	681	0	92	342	-2055	152	340	2055
13	6	EXTREME ICE	3	1	TC	235	2049	19	16	1086	-6566	219	963	6585
13	6	EXTREME ICE	3	2	MC	234	2039	19	16	1082	-6566	219	958	6586
13	6	EXTREME ICE	3	3	BC	234	2030	19	15	1077	-6567	219	953	6586
13	6	EXTREME ICE	5	1	D1	358	1244	2	145	627	-3613	213	618	3615
13	6	EXTREME ICE	5	2	D2	354	1111	4	141	568	-3623	214	543	3627
13	6	EXTREME ICE	5	3	D3	363	1239	1	147	624	-3614	215	616	3615
13	6	EXTREME ICE	6	1	D4	316	1245	2	110	627	-3613	206	617	3615
13	6	EXTREME ICE	6	2	D5	311	1111	4	105	569	-3623	206	542	3627
13	6	EXTREME ICE	6	3	D6	321	1240	1	113	624	-3614	208	616	3615
13	6	EXTREME ICE	7	1	N	225	660	1	76	332	-2079	150	328	2080
14	9	UPLIFT	1	1	SW	43	466	0	14	234	-1407	29	233	1407
14	9	UPLIFT	3	1	TC	-156	2104	20	-141	1115	-6742	-15	989	6761
14	9	UPLIFT	3	2	MC	-157	2094	20	-142	1111	-6743	-15	984	6762
14	9	UPLIFT	3	3	BC	-157	2084	20	-142	1106	-6743	-15	978	6763
14	9	UPLIFT	5	1	D1	66	862	1	28	434	-2502	37	428	2503
14	9	UPLIFT	5	2	D2	64	769	3	27	393	-2508	37	376	2511
14	9	UPLIFT	5	3	D3	67	858	1	29	432	-2502	38	426	2503
14	9	UPLIFT	6	1	D4	37	862	1	4	434	-2502	32	428	2503
14	9	UPLIFT	6	2	D5	34	769	3	2	394	-2508	32	375	2511
14	9	UPLIFT	6	3	D6	38	858	1	5	432	-2502	33	426	2503
14	9	UPLIFT	7	1	N	29	261	0	6	131	-821	23	130	821
15	28	CAMBER	1	1	SW	45	287	0	16	144	-866	29	143	866
15	28	CAMBER	3	1	TC	45	1060	10	-21	562	-3397	66	498	3406
15	28	CAMBER	3	2	MC	45	1055	10	-22	559	-3397	66	496	3407
15	28	CAMBER	3	3	BC	45	1050	10	-22	557	-3397	66	493	3407
15	28	CAMBER	5	1	D1	109	445	1	45	224	-1291	64	221	1291
15	28	CAMBER	5	2	D2	108	397	1	43	203	-1294	64	194	1296
15	28	CAMBER	5	3	D3	110	443	0	45	223	-1291	65	220	1291
15	28	CAMBER	6	1	D4	94	444	1	32	224	-1290	62	220	1290
15	28	CAMBER	6	2	D5	92	397	1	31	203	-1293	62	194	1295
15	28	CAMBER	6	3	D6	95	442	1	33	223	-1290	62	220	1291
15	28	CAMBER	7	1	N	46	164	0	15	82	-516	31	81	516
16	8	BLOWOUT DEFLECTION NA+	1	1	SW	45	277	1	16	142	-940	29	135	941
16	8	BLOWOUT DEFLECTION NA+	3	1	TC	32	995	14	-29	544	-3616	61	451	3629
16	8	BLOWOUT DEFLECTION NA+	3	2	MC	32	990	14	-29	542	-3616	61	448	3630
16	8	BLOWOUT DEFLECTION NA+	3	3	BC	32	984	14	-29	540	-3616	61	445	3630
16	8	BLOWOUT DEFLECTION NA+	5	1	D1	101	418	4	42	221	-1515	59	197	1520
16	8	BLOWOUT DEFLECTION NA+	5	2	D2	100	363	5	40	198	-1519	59	165	1523
16	8	BLOWOUT DEFLECTION NA+	5	3	D3	102	415	4	42	220	-1516	60	196	1520
16	8	BLOWOUT DEFLECTION NA+	6	1	D4	83	418	4	27	222	-1515	56	197	1520
16	8	BLOWOUT DEFLECTION NA+	6	2	D5	82	363	5	25	198	-1519	56	165	1523
16	8	BLOWOUT DEFLECTION NA+	6	3	D6	85	415	4	28	220	-1516	57	195	1520
16	8	BLOWOUT DEFLECTION NA+	7	1	N	37	150	2	10	83	-689	26	67	691
17	8	BLOWOUT DEFLECTION NA-	1	1	SW	45	345	-1	16	169	-935	29	175	934
17	8	BLOWOUT DEFLECTION NA-	3	1	TC	32	1257	8	-29	649	-3599	61	608	3607
17	8	BLOWOUT DEFLECTION NA-	3	2	MC	32	1251	8	-29	646	-3599	61	605	3607
17	8	BLOWOUT DEFLECTION NA-	3	3	BC	32	1246	8	-29	644	-3600	61	602	3608
17	8	BLOWOUT DEFLECTION NA-	5	1	D1	101	621	-3	42	302	-1502	59	319	1499
17	8	BLOWOUT DEFLECTION NA-	5	2	D2	100	565	-1	40	277	-1506	59	288	1505
17	8	BLOWOUT DEFLECTION NA-	5	3	D3	102	619	-3	42	301	-1502	60	319	1499
17	8	BLOWOUT DEFLECTION NA-	6	1	D4	83	621	-3	27	302	-1501	56	319	1499
17	8	BLOWOUT DEFLECTION NA-	6	2	D5	82	565	-1	25	277	-1506	56	288	1505
17	8	BLOWOUT DEFLECTION NA-	6	3	D6	85	620	-3	28	301	-1502	57	319	1499
17	8	BLOWOUT DEFLECTION NA-	7	1	N	37	284	-2	10	136	-680	26	149	678

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LC #	WC #	Load Case Description	Set No.	Phase No.	Attach. Joint Labels	Structure Loads			Loads from back span			Loads from ahead span		
						Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)	Vert. (lbs)	Trans. (lbs)	Long. (lbs)
7	1	NESC MEDIUM NA+ (250B)	1	1	S1	25	1973	1985	25	1973	1985	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	1	C1	40	7583	7546	40	7583	7546	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	2	C2	40	7586	7543	40	7586	7543	0	0	0
7	1	NESC MEDIUM NA+ (250B)	5	3	C3	40	7588	7541	40	7588	7541	0	0	0
7	1	NESC MEDIUM NA+ (250B)	11	1	S11	396	893	-1248	0	0	0	396	893	-1248
7	1	NESC MEDIUM NA+ (250B)	12	1	S12	389	1226	-932	0	0	0	389	1226	-932
7	1	NESC MEDIUM NA+ (250B)	15	1	C11	311	519	-571	0	0	0	311	519	-571
7	1	NESC MEDIUM NA+ (250B)	15	2	C22	260	625	-459	0	0	0	260	625	-459
7	1	NESC MEDIUM NA+ (250B)	15	3	C33	210	575	-522	0	0	0	210	575	-522
7	1	NESC MEDIUM NA+ (250B)	21	1	D1	69	3472	3509	69	3472	3509	0	0	0
7	1	NESC MEDIUM NA+ (250B)	21	2	D2	70	3509	3472	70	3509	3472	0	0	0
7	1	NESC MEDIUM NA+ (250B)	21	3	D3	69	3472	3509	69	3472	3509	0	0	0
7	1	NESC MEDIUM NA+ (250B)	22	1	D4	86	3472	3509	86	3472	3509	0	0	0
7	1	NESC MEDIUM NA+ (250B)	22	2	D5	86	3509	3472	86	3509	3472	0	0	0
7	1	NESC MEDIUM NA+ (250B)	22	3	D6	86	3472	3509	86	3472	3509	0	0	0
7	1	NESC MEDIUM NA+ (250B)	25	1	N1	57	-1595	-1885	0	0	0	57	-1595	-1885
7	1	NESC MEDIUM NA+ (250B)	31	1	D11	-19	-3206	-3751	0	0	0	-19	-3206	-3751
7	1	NESC MEDIUM NA+ (250B)	31	2	D22	-18	-3217	-3742	0	0	0	-18	-3217	-3742
7	1	NESC MEDIUM NA+ (250B)	31	3	D33	-18	-3230	-3730	0	0	0	-18	-3230	-3730
7	1	NESC MEDIUM NA+ (250B)	32	1	D14	-57	-3206	-3751	0	0	0	-57	-3206	-3751
7	1	NESC MEDIUM NA+ (250B)	32	2	D15	-55	-3218	-3741	0	0	0	-55	-3218	-3741
7	1	NESC MEDIUM NA+ (250B)	32	3	D16	-55	-3230	-3730	0	0	0	-55	-3230	-3730
7	1	NESC MEDIUM NA+ (250B)	35	1	N11	70	1775	1713	70	1775	1713	0	0	0
8	1	NESC MEDIUM NA- (250B)	1	1	S1	25	1851	2097	25	1851	2097	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	1	C1	40	7322	7791	40	7322	7791	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	2	C2	40	7324	7788	40	7324	7788	0	0	0
8	1	NESC MEDIUM NA- (250B)	5	3	C3	40	7327	7786	40	7327	7786	0	0	0
8	1	NESC MEDIUM NA- (250B)	11	1	S11	396	830	-1290	0	0	0	396	830	-1290
8	1	NESC MEDIUM NA- (250B)	12	1	S12	389	1178	-991	0	0	0	389	1178	-991
8	1	NESC MEDIUM NA- (250B)	15	1	C11	311	401	-652	0	0	0	311	401	-652
8	1	NESC MEDIUM NA- (250B)	15	2	C22	260	527	-558	0	0	0	260	527	-558
8	1	NESC MEDIUM NA- (250B)	15	3	C33	210	471	-609	0	0	0	210	471	-609
8	1	NESC MEDIUM NA- (250B)	21	1	D1	69	3251	3711	69	3251	3711	0	0	0
8	1	NESC MEDIUM NA- (250B)	21	2	D2	70	3290	3676	70	3290	3676	0	0	0
8	1	NESC MEDIUM NA- (250B)	21	3	D3	69	3251	3711	69	3251	3711	0	0	0
8	1	NESC MEDIUM NA- (250B)	22	1	D4	86	3251	3711	86	3251	3711	0	0	0
8	1	NESC MEDIUM NA- (250B)	22	2	D5	86	3290	3676	86	3290	3676	0	0	0
8	1	NESC MEDIUM NA- (250B)	22	3	D6	86	3251	3711	86	3251	3711	0	0	0
8	1	NESC MEDIUM NA- (250B)	25	1	N1	57	-1676	-1816	0	0	0	57	-1676	-1816
8	1	NESC MEDIUM NA- (250B)	31	1	D11	-19	-3310	-3664	0	0	0	-19	-3310	-3664
8	1	NESC MEDIUM NA- (250B)	31	2	D22	-18	-3321	-3653	0	0	0	-18	-3321	-3653
8	1	NESC MEDIUM NA- (250B)	31	3	D33	-18	-3334	-3642	0	0	0	-18	-3334	-3642
8	1	NESC MEDIUM NA- (250B)	32	1	D14	-57	-3310	-3664	0	0	0	-57	-3310	-3664
8	1	NESC MEDIUM NA- (250B)	32	2	D15	-55	-3322	-3653	0	0	0	-55	-3322	-3653
8	1	NESC MEDIUM NA- (250B)	32	3	D16	-55	-3334	-3642	0	0	0	-55	-3334	-3642
8	1	NESC MEDIUM NA- (250B)	35	1	N11	70	1603	1871	70	1603	1871	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	1	1	S1	96	1703	1752	96	1703	1752	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	5	1	C1	159	5735	5801	159	5735	5801	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	5	2	C2	159	5737	5799	159	5737	5799	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	5	3	C3	159	5739	5797	159	5739	5797	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	11	1	S11	573	782	-1114	0	0	0	573	782	-1114
9	4	NCURRENT ICE/WIND NA+ (25	12	1	S12	563	1081	-838	0	0	0	563	1081	-838
9	4	NCURRENT ICE/WIND NA+ (25	15	1	C11	443	541	-670	0	0	0	443	541	-670
9	4	NCURRENT ICE/WIND NA+ (25	15	2	C22	369	665	-548	0	0	0	369	665	-548
9	4	NCURRENT ICE/WIND NA+ (25	15	3	C33	297	606	-614	0	0	0	297	606	-614
9	4	NCURRENT ICE/WIND NA+ (25	21	1	D1	155	3071	3206	155	3071	3206	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	21	2	D2	155	3104	3173	155	3104	3173	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	21	3	D3	155	3071	3206	155	3071	3206	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	22	1	D4	174	3071	3206	174	3071	3206	0	0	0

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9	4	NCURRENT ICE/WIND NA+ (25	22	2	D5	174	3104	3174	174	3104	3174	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	22	3	D6	174	3071	3206	174	3071	3206	0	0	0
9	4	NCURRENT ICE/WIND NA+ (25	25	1	N1	101	-1382	-1600	0	0	0	101	-1382	-1600
9	4	NCURRENT ICE/WIND NA+ (25	31	1	D11	29	-2498	-2885	0	0	0	29	-2498	-2885
9	4	NCURRENT ICE/WIND NA+ (25	31	2	D22	30	-2506	-2877	0	0	0	30	-2506	-2877
9	4	NCURRENT ICE/WIND NA+ (25	31	3	D33	30	-2516	-2868	0	0	0	30	-2516	-2868
9	4	NCURRENT ICE/WIND NA+ (25	32	1	D14	-8	-2497	-2885	0	0	0	-8	-2497	-2885
9	4	NCURRENT ICE/WIND NA+ (25	32	2	D15	-7	-2507	-2877	0	0	0	-7	-2507	-2877
9	4	NCURRENT ICE/WIND NA+ (25	32	3	D16	-7	-2516	-2869	0	0	0	-7	-2516	-2869
9	4	NCURRENT ICE/WIND NA+ (25	35	1	N11	151	1755	1784	151	1755	1784	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	1	1	S1	96	1636	1814	96	1636	1814	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	5	1	C1	159	5634	5897	159	5634	5897	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	5	2	C2	159	5636	5895	159	5636	5895	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	5	3	C3	159	5638	5893	159	5638	5893	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	11	1	S11	573	747	-1138	0	0	0	573	747	-1138
10	4	NCURRENT ICE/WIND NA- (25	12	1	S12	563	1055	-870	0	0	0	563	1055	-870
10	4	NCURRENT ICE/WIND NA- (25	15	1	C11	443	493	-704	0	0	0	443	493	-704
10	4	NCURRENT ICE/WIND NA- (25	15	2	C22	369	626	-590	0	0	0	369	626	-590
10	4	NCURRENT ICE/WIND NA- (25	15	3	C33	297	564	-650	0	0	0	297	564	-650
10	4	NCURRENT ICE/WIND NA- (25	21	1	D1	155	2979	3291	155	2979	3291	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	21	2	D2	155	3013	3259	155	3013	3259	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	21	3	D3	155	2979	3291	155	2979	3291	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	22	1	D4	174	2979	3291	174	2979	3291	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	22	2	D5	174	3013	3259	174	3013	3259	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	22	3	D6	174	2979	3291	174	2979	3291	0	0	0
10	4	NCURRENT ICE/WIND NA- (25	25	1	N1	101	-1419	-1568	0	0	0	101	-1419	-1568
10	4	NCURRENT ICE/WIND NA- (25	31	1	D11	29	-2540	-2848	0	0	0	29	-2540	-2848
10	4	NCURRENT ICE/WIND NA- (25	31	2	D22	30	-2549	-2840	0	0	0	30	-2549	-2840
10	4	NCURRENT ICE/WIND NA- (25	31	3	D33	30	-2559	-2831	0	0	0	30	-2559	-2831
10	4	NCURRENT ICE/WIND NA- (25	32	1	D14	-8	-2540	-2848	0	0	0	-8	-2540	-2848
10	4	NCURRENT ICE/WIND NA- (25	32	2	D15	-7	-2549	-2840	0	0	0	-7	-2549	-2840
10	4	NCURRENT ICE/WIND NA- (25	32	3	D16	-7	-2559	-2831	0	0	0	-7	-2559	-2831
10	4	NCURRENT ICE/WIND NA- (25	35	1	N11	151	1676	1858	151	1676	1858	0	0	0
11	3	EXTREME WIND NA+ (250C)	1	1	S1	-17	1292	1217	-17	1292	1217	0	0	0
11	3	EXTREME WIND NA+ (250C)	5	1	C1	-33	4785	4325	-33	4785	4325	0	0	0
11	3	EXTREME WIND NA+ (250C)	5	2	C2	-33	4781	4329	-33	4781	4329	0	0	0
11	3	EXTREME WIND NA+ (250C)	5	3	C3	-33	4776	4333	-33	4776	4333	0	0	0
11	3	EXTREME WIND NA+ (250C)	11	1	S11	324	519	-670	0	0	0	324	519	-670
11	3	EXTREME WIND NA+ (250C)	12	1	S12	318	699	-492	0	0	0	318	699	-492
11	3	EXTREME WIND NA+ (250C)	15	1	C11	326	616	-553	0	0	0	326	616	-553
11	3	EXTREME WIND NA+ (250C)	15	2	C22	263	724	-436	0	0	0	263	724	-436
11	3	EXTREME WIND NA+ (250C)	15	3	C33	200	681	-518	0	0	0	200	681	-518
11	3	EXTREME WIND NA+ (250C)	21	1	D1	-27	2674	2430	-27	2674	2430	0	0	0
11	3	EXTREME WIND NA+ (250C)	21	2	D2	-27	2699	2401	-27	2699	2401	0	0	0
11	3	EXTREME WIND NA+ (250C)	21	3	D3	-27	2674	2430	-27	2674	2430	0	0	0
11	3	EXTREME WIND NA+ (250C)	22	1	D4	-10	2630	2394	-10	2630	2394	0	0	0
11	3	EXTREME WIND NA+ (250C)	22	2	D5	-10	2656	2366	-10	2656	2366	0	0	0
11	3	EXTREME WIND NA+ (250C)	22	3	D6	-10	2630	2394	-10	2630	2394	0	0	0
11	3	EXTREME WIND NA+ (250C)	25	1	N1	25	-898	-1159	0	0	0	25	-898	-1159
11	3	EXTREME WIND NA+ (250C)	31	1	D11	-30	-1598	-2038	0	0	0	-30	-1598	-2038
11	3	EXTREME WIND NA+ (250C)	31	2	D22	-29	-1604	-2034	0	0	0	-29	-1604	-2034
11	3	EXTREME WIND NA+ (250C)	31	3	D33	-29	-1611	-2028	0	0	0	-29	-1611	-2028
11	3	EXTREME WIND NA+ (250C)	32	1	D14	-53	-1579	-2011	0	0	0	-53	-1579	-2011
11	3	EXTREME WIND NA+ (250C)	32	2	D15	-52	-1585	-2007	0	0	0	-52	-1585	-2007
11	3	EXTREME WIND NA+ (250C)	32	3	D16	-52	-1591	-2001	0	0	0	-52	-1591	-2001
11	3	EXTREME WIND NA+ (250C)	35	1	N11	-4	1469	1278	-4	1469	1278	0	0	0
12	3	EXTREME WIND NA- (250C)	1	1	S1	-17	1126	1365	-17	1126	1365	0	0	0
12	3	EXTREME WIND NA- (250C)	5	1	C1	-33	4168	4887	-33	4168	4887	0	0	0
12	3	EXTREME WIND NA- (250C)	5	2	C2	-33	4175	4880	-33	4175	4880	0	0	0
12	3	EXTREME WIND NA- (250C)	5	3	C3	-33	4183	4873	-33	4183	4873	0	0	0
12	3	EXTREME WIND NA- (250C)	11	1	S11	324	429	-726	0	0	0	324	429	-726
12	3	EXTREME WIND NA- (250C)	12	1	S12	318	629	-569	0	0	0	318	629	-569
12	3	EXTREME WIND NA- (250C)	15	1	C11	326	347	-726	0	0	0	326	347	-726

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12	3	EXTREME WIND NA- (250C)	15	2	C22	263	502	-645	0	0	0	263	502	-645
12	3	EXTREME WIND NA- (250C)	15	3	C33	200	446	-700	0	0	0	200	446	-700
12	3	EXTREME WIND NA- (250C)	21	1	D1	-27	2227	2833	-27	2227	2833	0	0	0
12	3	EXTREME WIND NA- (250C)	21	2	D2	-27	2256	2809	-27	2256	2809	0	0	0
12	3	EXTREME WIND NA- (250C)	21	3	D3	-27	2227	2833	-27	2227	2833	0	0	0
12	3	EXTREME WIND NA- (250C)	22	1	D4	-10	2194	2787	-10	2194	2787	0	0	0
12	3	EXTREME WIND NA- (250C)	22	2	D5	-10	2223	2764	-10	2223	2764	0	0	0
12	3	EXTREME WIND NA- (250C)	22	3	D6	-10	2194	2787	-10	2194	2787	0	0	0
12	3	EXTREME WIND NA- (250C)	25	1	N1	25	-1046	-1040	0	0	0	25	-1046	-1040
12	3	EXTREME WIND NA- (250C)	31	1	D11	-30	-1822	-1854	0	0	0	-30	-1822	-1854
12	3	EXTREME WIND NA- (250C)	31	2	D22	-29	-1828	-1848	0	0	0	-29	-1828	-1848
12	3	EXTREME WIND NA- (250C)	31	3	D33	-29	-1835	-1842	0	0	0	-29	-1835	-1842
12	3	EXTREME WIND NA- (250C)	32	1	D14	-53	-1798	-1831	0	0	0	-53	-1798	-1831
12	3	EXTREME WIND NA- (250C)	32	2	D15	-52	-1804	-1825	0	0	0	-52	-1804	-1825
12	3	EXTREME WIND NA- (250C)	32	3	D16	-52	-1810	-1819	0	0	0	-52	-1810	-1819
12	3	EXTREME WIND NA- (250C)	35	1	N11	-4	1183	1536	-4	1183	1536	0	0	0
13	6	EXTREME ICE	1	1	S1	91	1424	1520	91	1424	1520	0	0	0
13	6	EXTREME ICE	5	1	C1	169	4638	4772	169	4638	4772	0	0	0
13	6	EXTREME ICE	5	2	C2	168	4640	4771	168	4640	4771	0	0	0
13	6	EXTREME ICE	5	3	C3	168	4641	4769	168	4641	4769	0	0	0
13	6	EXTREME ICE	11	1	S11	481	634	-933	0	0	0	481	634	-933
13	6	EXTREME ICE	12	1	S12	473	886	-708	0	0	0	473	886	-708
13	6	EXTREME ICE	15	1	C11	391	449	-597	0	0	0	391	449	-597
13	6	EXTREME ICE	15	2	C22	327	560	-494	0	0	0	327	560	-494
13	6	EXTREME ICE	15	3	C33	264	507	-548	0	0	0	264	507	-548
13	6	EXTREME ICE	21	1	D1	154	2499	2684	154	2499	2684	0	0	0
13	6	EXTREME ICE	21	2	D2	154	2527	2657	154	2527	2657	0	0	0
13	6	EXTREME ICE	21	3	D3	154	2499	2684	154	2499	2684	0	0	0
13	6	EXTREME ICE	22	1	D4	169	2499	2684	169	2499	2684	0	0	0
13	6	EXTREME ICE	22	2	D5	170	2527	2657	170	2527	2657	0	0	0
13	6	EXTREME ICE	22	3	D6	170	2499	2684	170	2499	2684	0	0	0
13	6	EXTREME ICE	25	1	N1	92	-1112	-1258	0	0	0	92	-1112	-1258
13	6	EXTREME ICE	31	1	D11	43	-1929	-2195	0	0	0	43	-1929	-2195
13	6	EXTREME ICE	31	2	D22	44	-1936	-2189	0	0	0	44	-1936	-2189
13	6	EXTREME ICE	31	3	D33	44	-1944	-2183	0	0	0	44	-1944	-2183
13	6	EXTREME ICE	32	1	D14	14	-1929	-2195	0	0	0	14	-1929	-2195
13	6	EXTREME ICE	32	2	D15	16	-1936	-2189	0	0	0	16	-1936	-2189
13	6	EXTREME ICE	32	3	D16	16	-1943	-2183	0	0	0	16	-1943	-2183
13	6	EXTREME ICE	35	1	N11	142	1444	1532	142	1444	1532	0	0	0
14	9	UPLIFT	1	1	S1	-11	975	1041	-11	975	1041	0	0	0
14	9	UPLIFT	5	1	C1	-61	4763	4900	-61	4763	4900	0	0	0
14	9	UPLIFT	5	2	C2	-61	4764	4899	-61	4764	4899	0	0	0
14	9	UPLIFT	5	3	C3	-61	4766	4897	-61	4766	4897	0	0	0
14	9	UPLIFT	11	1	S11	331	486	-717	0	0	0	331	486	-717
14	9	UPLIFT	12	1	S12	322	675	-540	0	0	0	322	675	-540
14	9	UPLIFT	15	1	C11	135	150	-199	0	0	0	135	150	-199
14	9	UPLIFT	15	2	C22	114	187	-165	0	0	0	114	187	-165
14	9	UPLIFT	15	3	C33	93	169	-183	0	0	0	93	169	-183
14	9	UPLIFT	21	1	D1	1	1730	1858	1	1730	1858	0	0	0
14	9	UPLIFT	21	2	D2	2	1750	1840	2	1750	1840	0	0	0
14	9	UPLIFT	21	3	D3	1	1730	1858	1	1730	1858	0	0	0
14	9	UPLIFT	22	1	D4	12	1730	1858	12	1730	1858	0	0	0
14	9	UPLIFT	22	2	D5	12	1750	1840	12	1750	1840	0	0	0
14	9	UPLIFT	22	3	D6	12	1730	1858	12	1730	1858	0	0	0
14	9	UPLIFT	25	1	N1	22	-1010	-1143	0	0	0	22	-1010	-1143
14	9	UPLIFT	31	1	D11	-59	-2256	-2567	0	0	0	-59	-2256	-2567
14	9	UPLIFT	31	2	D22	-58	-2264	-2560	0	0	0	-58	-2264	-2560
14	9	UPLIFT	31	3	D33	-58	-2273	-2552	0	0	0	-58	-2273	-2552
14	9	UPLIFT	32	1	D14	-92	-2256	-2567	0	0	0	-92	-2256	-2567
14	9	UPLIFT	32	2	D15	-91	-2264	-2560	0	0	0	-91	-2264	-2560
14	9	UPLIFT	32	3	D16	-91	-2273	-2553	0	0	0	-91	-2273	-2553
14	9	UPLIFT	35	1	N11	23	570	605	23	570	605	0	0	0
15	28	CAMBER	1	1	S1	4	600	641	4	600	641	0	0	0

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15	28	CAMBER	5	1	C1	45	2399	2469	45	2399	2469	0	0	0
15	28	CAMBER	5	2	C2	45	2400	2468	45	2400	2468	0	0	0
15	28	CAMBER	5	3	C3	44	2401	2467	44	2401	2467	0	0	0
15	28	CAMBER	11	1	S11	149	207	-305	0	0	0	149	207	-305
15	28	CAMBER	12	1	S12	145	287	-229	0	0	0	145	287	-229
15	28	CAMBER	15	1	C11	127	135	-180	0	0	0	127	135	-180
15	28	CAMBER	15	2	C22	108	169	-149	0	0	0	108	169	-149
15	28	CAMBER	15	3	C33	89	153	-165	0	0	0	89	153	-165
15	28	CAMBER	21	1	D1	45	893	959	45	893	959	0	0	0
15	28	CAMBER	21	2	D2	45	903	949	45	903	949	0	0	0
15	28	CAMBER	21	3	D3	45	893	959	45	893	959	0	0	0
15	28	CAMBER	22	1	D4	51	892	958	51	892	958	0	0	0
15	28	CAMBER	22	2	D5	51	902	949	51	902	949	0	0	0
15	28	CAMBER	22	3	D6	51	892	958	51	892	958	0	0	0
15	28	CAMBER	25	1	N1	24	-298	-337	0	0	0	24	-298	-337
15	28	CAMBER	31	1	D11	12	-694	-789	0	0	0	12	-694	-789
15	28	CAMBER	31	2	D22	13	-696	-787	0	0	0	13	-696	-787
15	28	CAMBER	31	3	D33	13	-699	-785	0	0	0	13	-699	-785
15	28	CAMBER	32	1	D14	2	-694	-789	0	0	0	2	-694	-789
15	28	CAMBER	32	2	D15	3	-696	-787	0	0	0	3	-696	-787
15	28	CAMBER	32	3	D16	3	-699	-785	0	0	0	3	-699	-785
15	28	CAMBER	35	1	N11	32	359	380	32	359	380	0	0	0
16	8	BLOWOUT DEFLECTION NA+	1	1	S1	2	665	680	2	665	680	0	0	0
16	8	BLOWOUT DEFLECTION NA+	5	1	C1	38	2606	2569	38	2606	2569	0	0	0
16	8	BLOWOUT DEFLECTION NA+	5	2	C2	38	2607	2568	38	2607	2568	0	0	0
16	8	BLOWOUT DEFLECTION NA+	5	3	C3	38	2607	2567	38	2607	2567	0	0	0
16	8	BLOWOUT DEFLECTION NA+	11	1	S11	163	237	-332	0	0	0	163	237	-332
16	8	BLOWOUT DEFLECTION NA+	12	1	S12	159	324	-247	0	0	0	159	324	-247
16	8	BLOWOUT DEFLECTION NA+	15	1	C11	142	186	-198	0	0	0	142	186	-198
16	8	BLOWOUT DEFLECTION NA+	15	2	C22	119	223	-159	0	0	0	119	223	-159
16	8	BLOWOUT DEFLECTION NA+	15	3	C33	97	206	-182	0	0	0	97	206	-182
16	8	BLOWOUT DEFLECTION NA+	21	1	D1	37	1088	1080	37	1088	1080	0	0	0
16	8	BLOWOUT DEFLECTION NA+	21	2	D2	37	1099	1068	37	1099	1068	0	0	0
16	8	BLOWOUT DEFLECTION NA+	21	3	D3	37	1088	1080	37	1088	1080	0	0	0
16	8	BLOWOUT DEFLECTION NA+	22	1	D4	44	1088	1080	44	1088	1080	0	0	0
16	8	BLOWOUT DEFLECTION NA+	22	2	D5	44	1099	1068	44	1099	1068	0	0	0
16	8	BLOWOUT DEFLECTION NA+	22	3	D6	44	1088	1080	44	1088	1080	0	0	0
16	8	BLOWOUT DEFLECTION NA+	25	1	N1	23	-364	-441	0	0	0	23	-364	-441
16	8	BLOWOUT DEFLECTION NA+	31	1	D11	8	-767	-915	0	0	0	8	-767	-915
16	8	BLOWOUT DEFLECTION NA+	31	2	D22	8	-770	-913	0	0	0	8	-770	-913
16	8	BLOWOUT DEFLECTION NA+	31	3	D33	8	-773	-910	0	0	0	8	-773	-910
16	8	BLOWOUT DEFLECTION NA+	32	1	D14	-3	-767	-915	0	0	0	-3	-767	-915
16	8	BLOWOUT DEFLECTION NA+	32	2	D15	-3	-770	-912	0	0	0	-3	-770	-912
16	8	BLOWOUT DEFLECTION NA+	32	3	D16	-3	-773	-910	0	0	0	-3	-773	-910
16	8	BLOWOUT DEFLECTION NA+	35	1	N11	27	506	477	27	506	477	0	0	0
17	8	BLOWOUT DEFLECTION NA-	1	1	S1	2	634	707	2	634	707	0	0	0
17	8	BLOWOUT DEFLECTION NA-	5	1	C1	38	2491	2675	38	2491	2675	0	0	0
17	8	BLOWOUT DEFLECTION NA-	5	2	C2	38	2492	2674	38	2492	2674	0	0	0
17	8	BLOWOUT DEFLECTION NA-	5	3	C3	38	2493	2673	38	2493	2673	0	0	0
17	8	BLOWOUT DEFLECTION NA-	11	1	S11	163	220	-342	0	0	0	163	220	-342
17	8	BLOWOUT DEFLECTION NA-	12	1	S12	159	312	-262	0	0	0	159	312	-262
17	8	BLOWOUT DEFLECTION NA-	15	1	C11	142	136	-230	0	0	0	142	136	-230
17	8	BLOWOUT DEFLECTION NA-	15	2	C22	119	182	-199	0	0	0	119	182	-199
17	8	BLOWOUT DEFLECTION NA-	15	3	C33	97	162	-217	0	0	0	97	162	-217
17	8	BLOWOUT DEFLECTION NA-	21	1	D1	37	998	1161	37	998	1161	0	0	0
17	8	BLOWOUT DEFLECTION NA-	21	2	D2	37	1010	1150	37	1010	1150	0	0	0
17	8	BLOWOUT DEFLECTION NA-	21	3	D3	37	998	1161	37	998	1161	0	0	0
17	8	BLOWOUT DEFLECTION NA-	22	1	D4	44	998	1161	44	998	1161	0	0	0
17	8	BLOWOUT DEFLECTION NA-	22	2	D5	44	1011	1150	44	1011	1150	0	0	0
17	8	BLOWOUT DEFLECTION NA-	22	3	D6	44	998	1161	44	998	1161	0	0	0
17	8	BLOWOUT DEFLECTION NA-	25	1	N1	23	-394	-417	0	0	0	23	-394	-417
17	8	BLOWOUT DEFLECTION NA-	31	1	D11	8	-810	-880	0	0	0	8	-810	-880
17	8	BLOWOUT DEFLECTION NA-	31	2	D22	8	-813	-877	0	0	0	8	-813	-877

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17	8	BLOWOUT DEFLECTION NA-	31	3	D33	8	-816	-874	0	0	0	8	-816	-874
17	8	BLOWOUT DEFLECTION NA-	32	1	D14	-3	-810	-879	0	0	0	-3	-810	-879
17	8	BLOWOUT DEFLECTION NA-	32	2	D15	-3	-813	-877	0	0	0	-3	-813	-877
17	8	BLOWOUT DEFLECTION NA-	32	3	D16	-3	-815	-874	0	0	0	-3	-815	-874
17	8	BLOWOUT DEFLECTION NA-	35	1	N11	27	445	532	27	445	532	0	0	0
18	1	KEN CONDUCTOR NA+ (250B)-	11	1	S11	396	893	-1248	0	0	0	396	893	-1248
18	1	KEN CONDUCTOR NA+ (250B)-	12	1	S12	389	1226	-932	0	0	0	389	1226	-932
18	1	KEN CONDUCTOR NA+ (250B)-	15	1	C11	311	519	-571	0	0	0	311	519	-571
18	1	KEN CONDUCTOR NA+ (250B)-	15	2	C22	260	625	-459	0	0	0	260	625	-459
18	1	KEN CONDUCTOR NA+ (250B)-	15	3	C33	210	575	-522	0	0	0	210	575	-522
18	1	KEN CONDUCTOR NA+ (250B)-	25	1	N1	57	-1595	-1885	0	0	0	57	-1595	-1885
18	1	KEN CONDUCTOR NA+ (250B)-	31	1	D11	-19	-3206	-3751	0	0	0	-19	-3206	-3751
18	1	KEN CONDUCTOR NA+ (250B)-	31	2	D22	-18	-3217	-3742	0	0	0	-18	-3217	-3742
18	1	KEN CONDUCTOR NA+ (250B)-	31	3	D33	-18	-3230	-3730	0	0	0	-18	-3230	-3730
18	1	KEN CONDUCTOR NA+ (250B)-	32	1	D14	-57	-3206	-3751	0	0	0	-57	-3206	-3751
18	1	KEN CONDUCTOR NA+ (250B)-	32	2	D15	-55	-3218	-3741	0	0	0	-55	-3218	-3741
18	1	KEN CONDUCTOR NA+ (250B)-	32	3	D16	-55	-3230	-3730	0	0	0	-55	-3230	-3730
19	1	KEN CONDUCTOR NA- (250B)-E	11	1	S11	396	830	-1290	0	0	0	396	830	-1290
19	1	KEN CONDUCTOR NA- (250B)-E	12	1	S12	389	1178	-991	0	0	0	389	1178	-991
19	1	KEN CONDUCTOR NA- (250B)-E	15	1	C11	311	401	-652	0	0	0	311	401	-652
19	1	KEN CONDUCTOR NA- (250B)-E	15	2	C22	260	527	-558	0	0	0	260	527	-558
19	1	KEN CONDUCTOR NA- (250B)-E	15	3	C33	210	471	-609	0	0	0	210	471	-609
19	1	KEN CONDUCTOR NA- (250B)-E	25	1	N1	57	-1676	-1816	0	0	0	57	-1676	-1816
19	1	KEN CONDUCTOR NA- (250B)-E	31	1	D11	-19	-3310	-3664	0	0	0	-19	-3310	-3664
19	1	KEN CONDUCTOR NA- (250B)-E	31	2	D22	-18	-3321	-3653	0	0	0	-18	-3321	-3653
19	1	KEN CONDUCTOR NA- (250B)-E	31	3	D33	-18	-3334	-3642	0	0	0	-18	-3334	-3642
19	1	KEN CONDUCTOR NA- (250B)-E	32	1	D14	-57	-3310	-3664	0	0	0	-57	-3310	-3664
19	1	KEN CONDUCTOR NA- (250B)-E	32	2	D15	-55	-3322	-3653	0	0	0	-55	-3322	-3653
19	1	KEN CONDUCTOR NA- (250B)-E	32	3	D16	-55	-3334	-3642	0	0	0	-55	-3334	-3642
20	3	KEN CONDUCTOR NA+ (250C)-	11	1	S11	324	519	-670	0	0	0	324	519	-670
20	3	KEN CONDUCTOR NA+ (250C)-	12	1	S12	318	699	-492	0	0	0	318	699	-492
20	3	KEN CONDUCTOR NA+ (250C)-	15	1	C11	326	616	-553	0	0	0	326	616	-553
20	3	KEN CONDUCTOR NA+ (250C)-	15	2	C22	263	724	-436	0	0	0	263	724	-436
20	3	KEN CONDUCTOR NA+ (250C)-	15	3	C33	200	681	-518	0	0	0	200	681	-518
20	3	KEN CONDUCTOR NA+ (250C)-	25	1	N1	25	-898	-1159	0	0	0	25	-898	-1159
20	3	KEN CONDUCTOR NA+ (250C)-	31	1	D11	-30	-1598	-2038	0	0	0	-30	-1598	-2038
20	3	KEN CONDUCTOR NA+ (250C)-	31	2	D22	-29	-1604	-2034	0	0	0	-29	-1604	-2034
20	3	KEN CONDUCTOR NA+ (250C)-	31	3	D33	-29	-1611	-2028	0	0	0	-29	-1611	-2028
20	3	KEN CONDUCTOR NA+ (250C)-	32	1	D14	-53	-1579	-2011	0	0	0	-53	-1579	-2011
20	3	KEN CONDUCTOR NA+ (250C)-	32	2	D15	-52	-1585	-2007	0	0	0	-52	-1585	-2007
20	3	KEN CONDUCTOR NA+ (250C)-	32	3	D16	-52	-1591	-2001	0	0	0	-52	-1591	-2001
21	3	KEN CONDUCTOR NA- (250C)-E	11	1	S11	324	429	-726	0	0	0	324	429	-726
21	3	KEN CONDUCTOR NA- (250C)-E	12	1	S12	318	629	-569	0	0	0	318	629	-569
21	3	KEN CONDUCTOR NA- (250C)-E	15	1	C11	326	347	-726	0	0	0	326	347	-726
21	3	KEN CONDUCTOR NA- (250C)-E	15	2	C22	263	502	-645	0	0	0	263	502	-645
21	3	KEN CONDUCTOR NA- (250C)-E	15	3	C33	200	446	-700	0	0	0	200	446	-700
21	3	KEN CONDUCTOR NA- (250C)-E	25	1	N1	25	-1046	-1040	0	0	0	25	-1046	-1040
21	3	KEN CONDUCTOR NA- (250C)-E	31	1	D11	-30	-1822	-1854	0	0	0	-30	-1822	-1854
21	3	KEN CONDUCTOR NA- (250C)-E	31	2	D22	-29	-1828	-1848	0	0	0	-29	-1828	-1848
21	3	KEN CONDUCTOR NA- (250C)-E	31	3	D33	-29	-1835	-1842	0	0	0	-29	-1835	-1842
21	3	KEN CONDUCTOR NA- (250C)-E	32	1	D14	-53	-1798	-1831	0	0	0	-53	-1798	-1831
21	3	KEN CONDUCTOR NA- (250C)-E	32	2	D15	-52	-1804	-1825	0	0	0	-52	-1804	-1825
21	3	KEN CONDUCTOR NA- (250C)-E	32	3	D16	-52	-1810	-1819	0	0	0	-52	-1810	-1819
22	4	KEN CONDUCTOR NA+ (250D)-	11	1	S11	573	782	-1114	0	0	0	573	782	-1114
22	4	KEN CONDUCTOR NA+ (250D)-	12	1	S12	563	1081	-838	0	0	0	563	1081	-838
22	4	KEN CONDUCTOR NA+ (250D)-	15	1	C11	443	541	-670	0	0	0	443	541	-670
22	4	KEN CONDUCTOR NA+ (250D)-	15	2	C22	369	665	-548	0	0	0	369	665	-548
22	4	KEN CONDUCTOR NA+ (250D)-	15	3	C33	297	606	-614	0	0	0	297	606	-614
22	4	KEN CONDUCTOR NA+ (250D)-	25	1	N1	101	-1382	-1600	0	0	0	101	-1382	-1600
22	4	KEN CONDUCTOR NA+ (250D)-	31	1	D11	29	-2498	-2885	0	0	0	29	-2498	-2885
22	4	KEN CONDUCTOR NA+ (250D)-	31	2	D22	30	-2506	-2877	0	0	0	30	-2506	-2877
22	4	KEN CONDUCTOR NA+ (250D)-	31	3	D33	30	-2516	-2868	0	0	0	30	-2516	-2868
22	4	KEN CONDUCTOR NA+ (250D)-	32	1	D14	-8	-2497	-2885	0	0	0	-8	-2497	-2885

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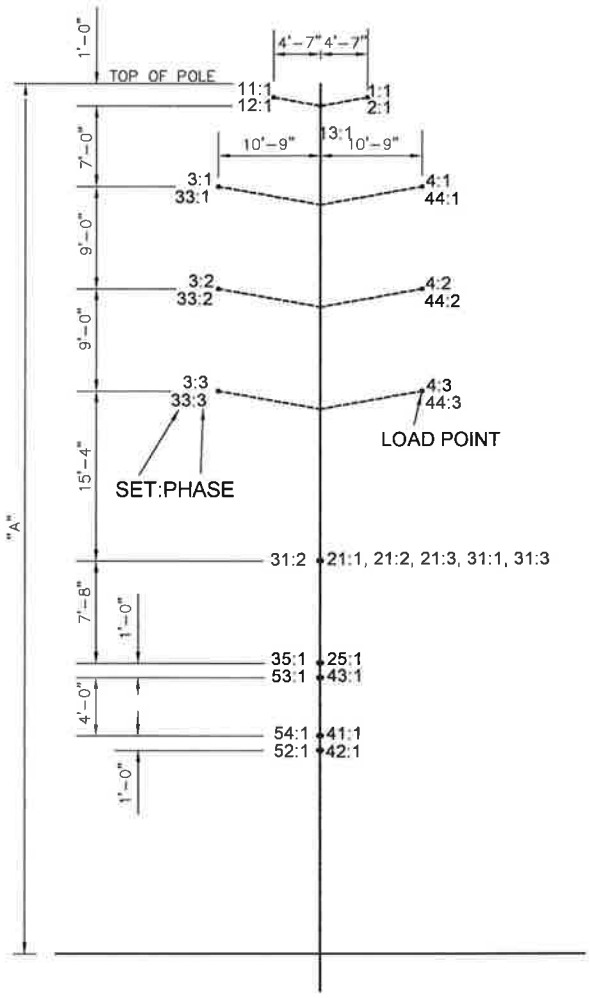
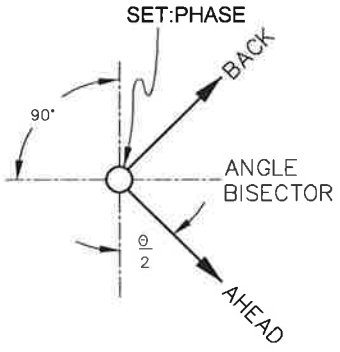
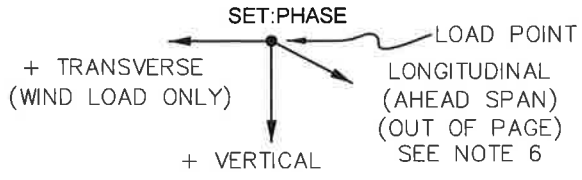
22	4	KEN CONDUCTOR NA+ (250D)-	32	2	D15	-7	-2507	-2877	0	0	0	-7	-2507	-2877
22	4	KEN CONDUCTOR NA+ (250D)-	32	3	D16	-7	-2516	-2869	0	0	0	-7	-2516	-2869
23	4	KEN CONDUCTOR NA- (250D)-E	11	1	S11	573	747	-1138	0	0	0	573	747	-1138
23	4	KEN CONDUCTOR NA- (250D)-E	12	1	S12	563	1055	-870	0	0	0	563	1055	-870
23	4	KEN CONDUCTOR NA- (250D)-E	15	1	C11	443	493	-704	0	0	0	443	493	-704
23	4	KEN CONDUCTOR NA- (250D)-E	15	2	C22	369	626	-590	0	0	0	369	626	-590
23	4	KEN CONDUCTOR NA- (250D)-E	15	3	C33	297	564	-650	0	0	0	297	564	-650
23	4	KEN CONDUCTOR NA- (250D)-E	25	1	N1	101	-1419	-1568	0	0	0	101	-1419	-1568
23	4	KEN CONDUCTOR NA- (250D)-E	31	1	D11	29	-2540	-2848	0	0	0	29	-2540	-2848
23	4	KEN CONDUCTOR NA- (250D)-E	31	2	D22	30	-2549	-2840	0	0	0	30	-2549	-2840
23	4	KEN CONDUCTOR NA- (250D)-E	31	3	D33	30	-2559	-2831	0	0	0	30	-2559	-2831
23	4	KEN CONDUCTOR NA- (250D)-E	32	1	D14	-8	-2540	-2848	0	0	0	-8	-2540	-2848
23	4	KEN CONDUCTOR NA- (250D)-E	32	2	D15	-7	-2549	-2840	0	0	0	-7	-2549	-2840
23	4	KEN CONDUCTOR NA- (250D)-E	32	3	D16	-7	-2559	-2831	0	0	0	-7	-2559	-2831
24	6	N CONDUCTOR (EXTREME ICE	11	1	S11	529	697	-1027	0	0	0	529	697	-1027
24	6	N CONDUCTOR (EXTREME ICE	12	1	S12	520	974	-779	0	0	0	520	974	-779
24	6	N CONDUCTOR (EXTREME ICE	15	1	C11	430	494	-656	0	0	0	430	494	-656
24	6	N CONDUCTOR (EXTREME ICE	15	2	C22	359	616	-543	0	0	0	359	616	-543
24	6	N CONDUCTOR (EXTREME ICE	15	3	C33	290	558	-603	0	0	0	290	558	-603
24	6	N CONDUCTOR (EXTREME ICE	25	1	N1	101	-1223	-1384	0	0	0	101	-1223	-1384
24	6	N CONDUCTOR (EXTREME ICE	31	1	D11	47	-2122	-2415	0	0	0	47	-2122	-2415
24	6	N CONDUCTOR (EXTREME ICE	31	2	D22	48	-2129	-2408	0	0	0	48	-2129	-2408
24	6	N CONDUCTOR (EXTREME ICE	31	3	D33	48	-2138	-2401	0	0	0	48	-2138	-2401
24	6	N CONDUCTOR (EXTREME ICE	32	1	D14	16	-2122	-2415	0	0	0	16	-2122	-2415
24	6	N CONDUCTOR (EXTREME ICE	32	2	D15	17	-2130	-2408	0	0	0	17	-2130	-2408
24	6	N CONDUCTOR (EXTREME ICE	32	3	D16	17	-2138	-2401	0	0	0	17	-2138	-2401
25	6	N CONDUCTOR (EXTREME ICE	1	1	S1	100	1566	1672	100	1566	1672	0	0	0
25	6	N CONDUCTOR (EXTREME ICE	5	1	C1	185	5102	5250	185	5102	5250	0	0	0
25	6	N CONDUCTOR (EXTREME ICE	5	2	C2	185	5104	5248	185	5104	5248	0	0	0
25	6	N CONDUCTOR (EXTREME ICE	5	3	C3	185	5105	5246	185	5105	5246	0	0	0
25	6	N CONDUCTOR (EXTREME ICE	21	1	D1	169	2749	2952	169	2749	2952	0	0	0
25	6	N CONDUCTOR (EXTREME ICE	21	2	D2	170	2780	2923	170	2780	2923	0	0	0
25	6	N CONDUCTOR (EXTREME ICE	21	3	D3	169	2749	2952	169	2749	2952	0	0	0
25	6	N CONDUCTOR (EXTREME ICE	22	1	D4	186	2749	2952	186	2749	2952	0	0	0
25	6	N CONDUCTOR (EXTREME ICE	22	2	D5	187	2780	2923	187	2780	2923	0	0	0
25	6	N CONDUCTOR (EXTREME ICE	22	3	D6	186	2749	2952	186	2749	2952	0	0	0
25	6	N CONDUCTOR (EXTREME ICE	35	1	N11	156	1588	1685	156	1588	1685	0	0	0





SET & PHASE DIAGRAM



NOTES:

1. THE TRANSVERSE, VERTICAL, AND LONGITUDINAL LOADS FOR THE TRANSMISSION STRUCTURES WITH WHICH THIS CONFIGURATION APPLIES ARE LISTED IN TABLE LT AND CAN BE DISTINGUISHED BY THEIR RESPECTIVE SET AND PHASE NUMBER. THE POLE LENGTH, EMBEDMENT DEPTH, HEIGHT ("A") AND LINE ANGLE(S) (I.E. "Θ"1, "Θ"2) ARE ALSO IDENTIFIED IN THE TABLE.
2. THE LOCATION OF THESE LOADS ON THE STRUCTURE IS DEFINED BY THEIR RESPECTIVE SET:PHASE PLACEMENT ON THE LOAD TREE.
3. THE ORIENTATION OF THESE LOADS AT EACH SET:PHASE LOCATION IS DEFINED BY THE SET & PHASE DIAGRAM BELOW.
4. MINIMUM POLE TIP DIAMETER TO BE NO LESS THAN 10 INCHES.
5. FOR WIND DIRECTION AND LOCATION, REFER TO "LOAD TREE WIND LOADS AND DIRECTION".
6. LONGITUDINAL LOADS GIVEN SPECIFY THE MAGNITUDE OF WIRE TENSION IN EACH DIRECTION (AHEAD SPAN AND BACK SPAN). THE POLE MANUFACTURER IS RESPONSIBLE FOR DETERMINING THE TRANSVERSE TENSION LOAD AT EACH LOAD POINT.
7. Θ_1 REPRESENTS THE LINE ANGLE FOR THE TRANSMISSION CONDUCTOR AND Θ_2 REPRESENTS THE LINE ANGLE FOR THE DISTRIBUTION CONDUCTOR.

CONDUCTOR DESCRIPTION

SET	CONDUCTOR
1,2,11,12,13	OHGW – 7#9 ALUMOWELD
3,4,33,44	1272 kcmil 61/ AAC – NARCISSUS
21,31	795 kcmil 37/0 AAC – ARBUTUS
25,35,41,42 52,54	336.4 kcmil 18/1 ACSR – MERLIN
43,53	144 CT. ADSS

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

230 POD TO BELLS FORK 115kV TRANSMISSION
STRUCTURE LOADING DESCRIPTION
TS–DC–5A–S

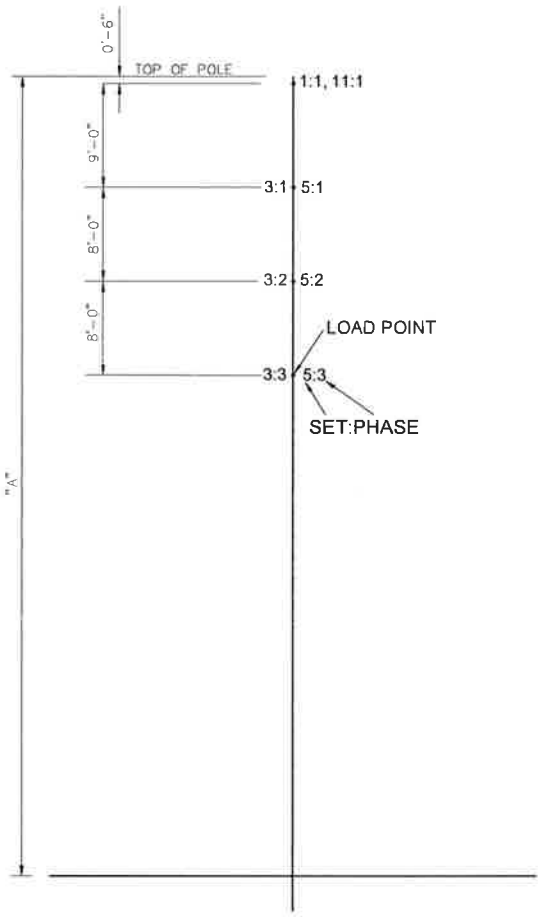
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	06/02/16
CKD.	GSB	APPD.	WPJ
SCALE:	NTS	14–7798	

DATE	REVISION	DATE	REVISION

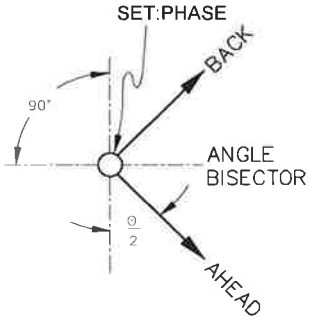
DWG. No. LT–1
SHEET 1 OF 1

1407798LTD–T (ID 31995)



NOTES:

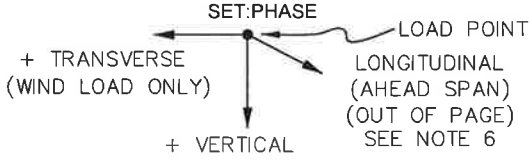
1. THE TRANSVERSE, VERTICAL, AND LONGITUDINAL LOADS FOR THE TRANSMISSION STRUCTURES WITH WHICH THIS CONFIGURATION APPLIES ARE LISTED IN TABLE LT AND CAN BE DISTINGUISHED BY THEIR RESPECTIVE SET AND PHASE NUMBER. THE POLE LENGTH, EMBEDMENT DEPTH, HEIGHT ("A") AND LINE ANGLE(S) (I.E. "Θ"$_1$, "Θ"$_2$) ARE ALSO IDENTIFIED IN THE TABLE.
2. THE LOCATION OF THESE LOADS ON THE STRUCTURE IS DEFINED BY THEIR RESPECTIVE SET:PHASE PLACEMENT ON THE LOAD TREE.
3. THE ORIENTATION OF THESE LOADS AT EACH SET:PHASE LOCATION IS DEFINED BY THE SET & PHASE DIAGRAM BELOW.
4. MINIMUM POLE TIP DIAMETER TO BE NO LESS THAN 10 INCHES.
5. FOR WIND DIRECTION AND LOCATION, REFER TO "LOAD TREE WIND LOADS AND DIRECTION".
6. LONGITUDINAL LOADS GIVEN SPECIFY THE MAGNITUDE OF WIRE TENSION IN EACH DIRECTION (AHEAD SPAN AND BACK SPAN). THE POLE MANUFACTURER IS RESPONSIBLE FOR DETERMINING THE TRANSVERSE TENSION LOAD AT EACH LOAD POINT.
7. Θ_1 REPRESENTS THE LINE ANGLE FOR THE TRANSMISSION CONDUCTOR AND Θ_2 REPRESENTS THE LINE ANGLE FOR THE DISTRIBUTION CONDUCTOR.



CONDUCTOR DESCRIPTION

SET	CONDUCTOR
1,11	OHGW – 7#9 ALUMOWELD
3,5	1272 kcmil 61/ AAC – NARCISSUS

SET & PHASE DIAGRAM



GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

230 POD TO BELLS FORK 115kV TRANSMISSION
STRUCTURE LOADING DESCRIPTION
TS–5AA–S

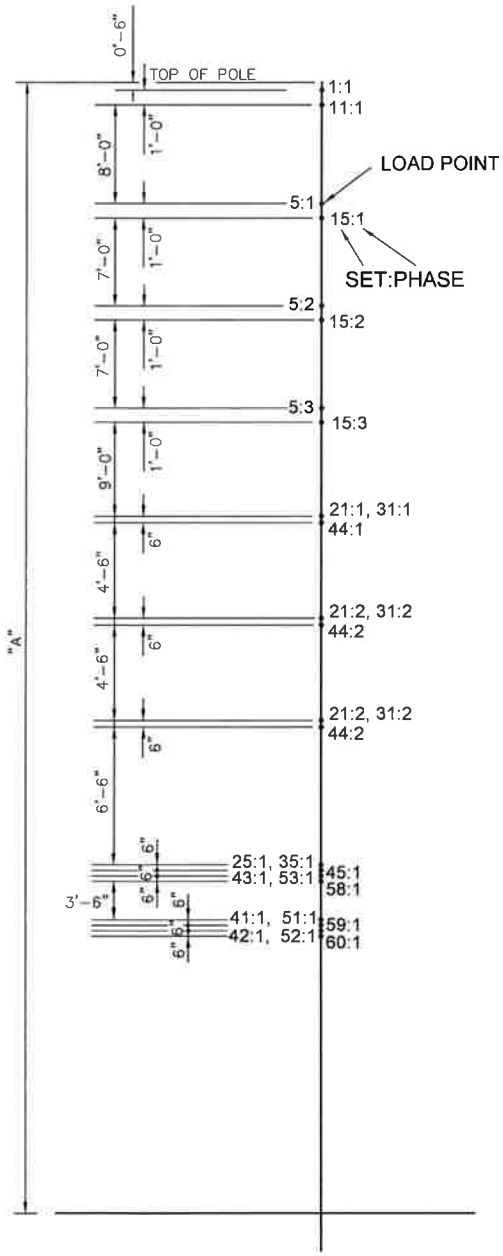
Booth & Associates, LLC
3811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

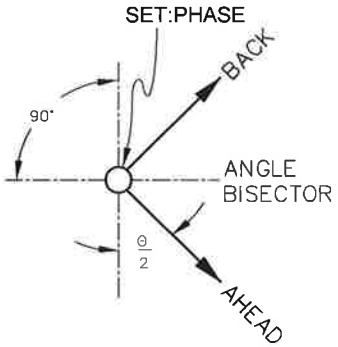
DWN.	AVS	DATE:	06/02/16
CKD.	GSB	APPD.	WPJ
SCALE:	NTS		14–7798

DATE	REVISION

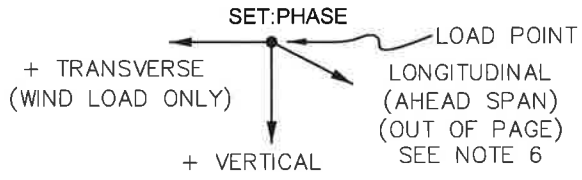
DWG. No. LT–2
SHEET 1 OF 1

1407798LTD–T (ID 31995)





SET & PHASE DIAGRAM



NOTES:

1. THE TRANSVERSE, VERTICAL, AND LONGITUDINAL LOADS FOR THE TRANSMISSION STRUCTURES WITH WHICH THIS CONFIGURATION APPLIES ARE LISTED IN TABLE LT AND CAN BE DISTINGUISHED BY THEIR RESPECTIVE SET AND PHASE NUMBER. THE POLE LENGTH, EMBEDMENT DEPTH, HEIGHT ("A") AND LINE ANGLE(S) (I.E. "Θ"$_1$, "Θ"$_2$) ARE ALSO IDENTIFIED IN THE TABLE.
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3. THE ORIENTATION OF THESE LOADS AT EACH SET:PHASE LOCATION IS DEFINED BY THE SET & PHASE DIAGRAM BELOW.
4. MINIMUM POLE TIP DIAMETER TO BE NO LESS THAN 10 INCHES.
5. FOR WIND DIRECTION AND LOCATION, REFER TO "LOAD TREE WIND LOADS AND DIRECTION".
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7. Θ_1 REPRESENTS THE LINE ANGLE FOR THE TRANSMISSION CONDUCTOR AND Θ_2 REPRESENTS THE LINE ANGLE FOR THE DISTRIBUTION CONDUCTOR.

CONDUCTOR DESCRIPTION

SET	CONDUCTOR
1,11	OHGW – 7#9 ALUMOWELD
5,15	1272 kcmil 61/0 AAC – NARCISSUS
21,31,44	795 kcmil 37/0 AAC – ARBUTUS
25,35,41,42,45 51,52,59,60	336.4 kcmil 18/1 ACSR – MERLIN
43,53,58	144 CT. ADSS

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

230 POD TO BELLS FORK 115kV TRANSMISSION
STRUCTURE LOADING DESCRIPTION
TS-5AA-S

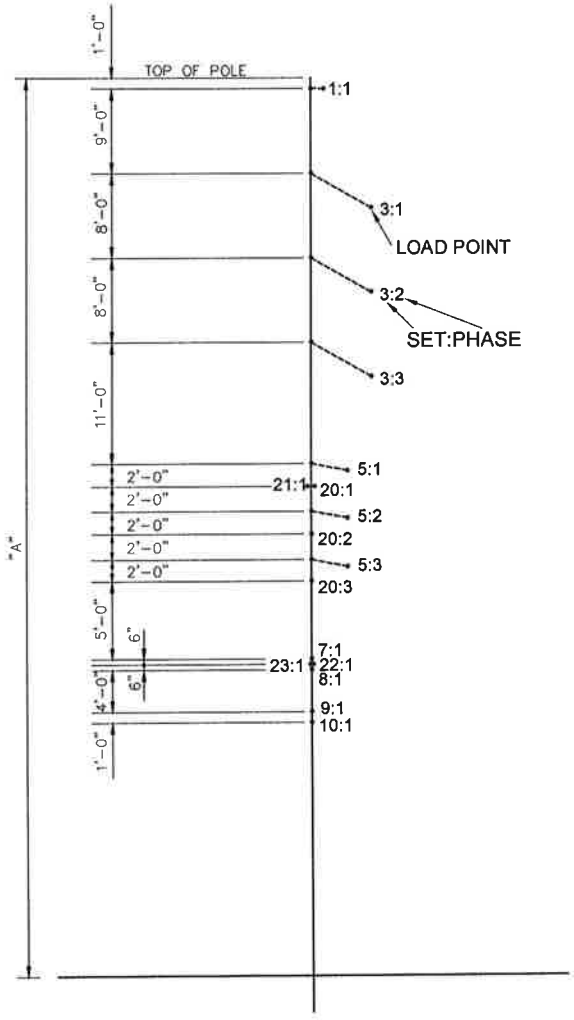
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	06/02/16
CKD.	GSB	APPD.	WPJ
SCALE:	NTS	14-7798	

DATE	REVISION

DWG. No.
LT-3
SHEET 1 OF 1

1407798LTD-T (ID 31995)



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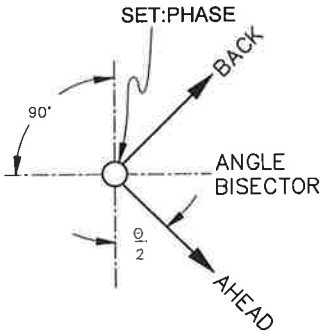
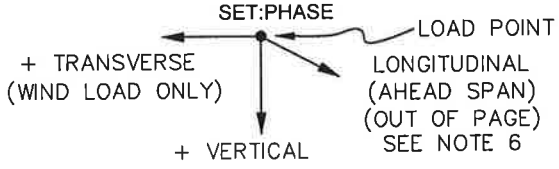


CONDUCTOR DESCRIPTION

SET	CONDUCTOR
1	OHGW – 7#9 ALUMOWELD
3	1272 kcmil 61/0 AAC – NARCISSUS
5,20,21,22,23	795 kcmil 37/0 AAC – ARBUTUS
7,9,10	336.4 kcmil 18/1 ACSR – MERLIN
8	144 CT. ADSS

SET & PHASE DIAGRAM



GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

230 POD TO BELLS FORK 115kV TRANSMISSION
STRUCTURE LOADING DESCRIPTION
TS–4A–S

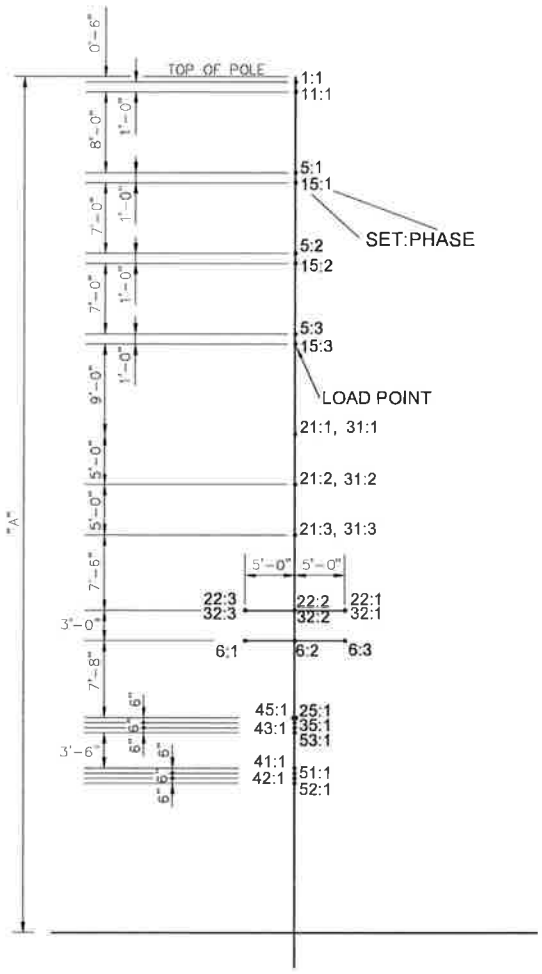
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DWN.	AVS	DATE:	06/02/16
CKD.	GSB	APPD.	WPJ
SCALE:	NTS		14–7798

DATE	REVISION

DWG. No. LT–4
SHEET 1 OF 1

1407798LTD–T (ID 31995)



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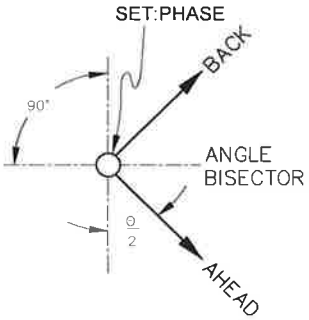
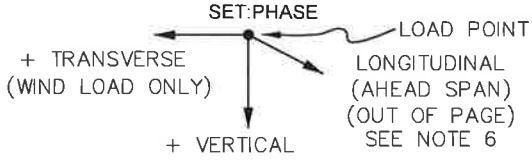


CONDUCTOR DESCRIPTION

SET	CONDUCTOR
1,11	OHGW – 7#9 ALUMOWELD
5,15	1272 kcmil 61/0 AAC – NARCISSUS
6,21,22,31,32 25,35,41,42	795 kcmil 37/0 AAC – ARBUTUS
45,51,52	336.4 kcmil 18/1 ACSR – MERLIN
43,53	144 CT. ADSS

SET & PHASE DIAGRAM



GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

SOUTH POD – BELLS FORK SUB
STRUCTURE LOADING DESCRIPTION
TS-5AA-S

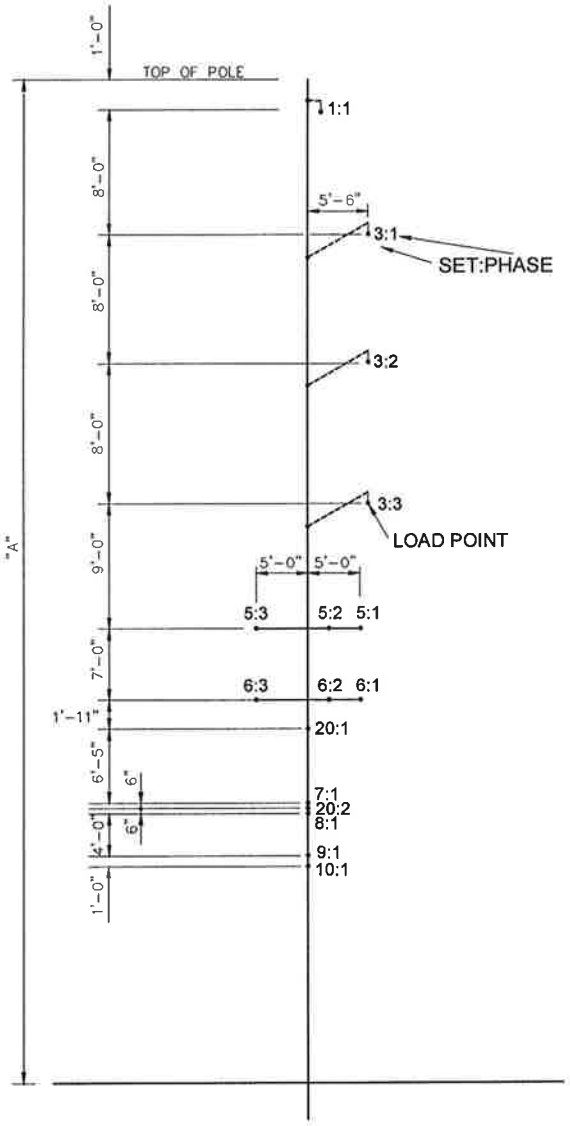
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

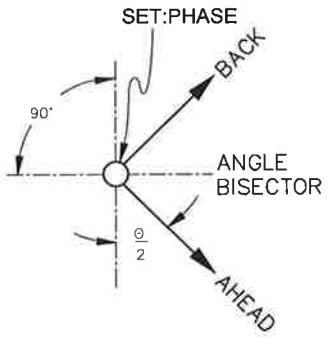
DWN.	AVS	DATE:	06/02/16
CKD.	GSB	APPD.	WPJ
SCALE:	NTS	15-7966	

DATE	REVISION

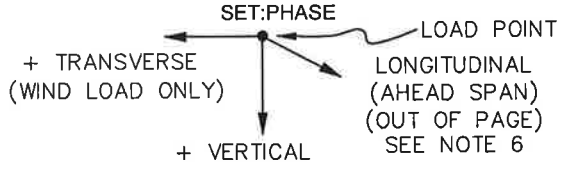
DWG. No.
LT-5
SHEET 1 OF 1

1407798LTD-T (ID 31995)





SET & PHASE DIAGRAM



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7. Θ_1 REPRESENTS THE LINE ANGLE FOR THE TRANSMISSION CONDUCTOR AND Θ_2 REPRESENTS THE LINE ANGLE FOR THE DISTRIBUTION CONDUCTOR.

CONDUCTOR DESCRIPTION

SET	CONDUCTOR
1	OHGW – 7#9 ALUMOWELD
3	1272 kcmil 61/0 AAC – NARCISSUS
5,6,20	795 kcmil 37/0 AAC – ARBUTUS
7,9,10	336.4 kcmil 18/1 ACSR – MERLIN
8	144 CT. ADSS

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

SOUTH POD – BELLS FORK SUB
STRUCTURE LOADING DESCRIPTION
TP-115B2-S

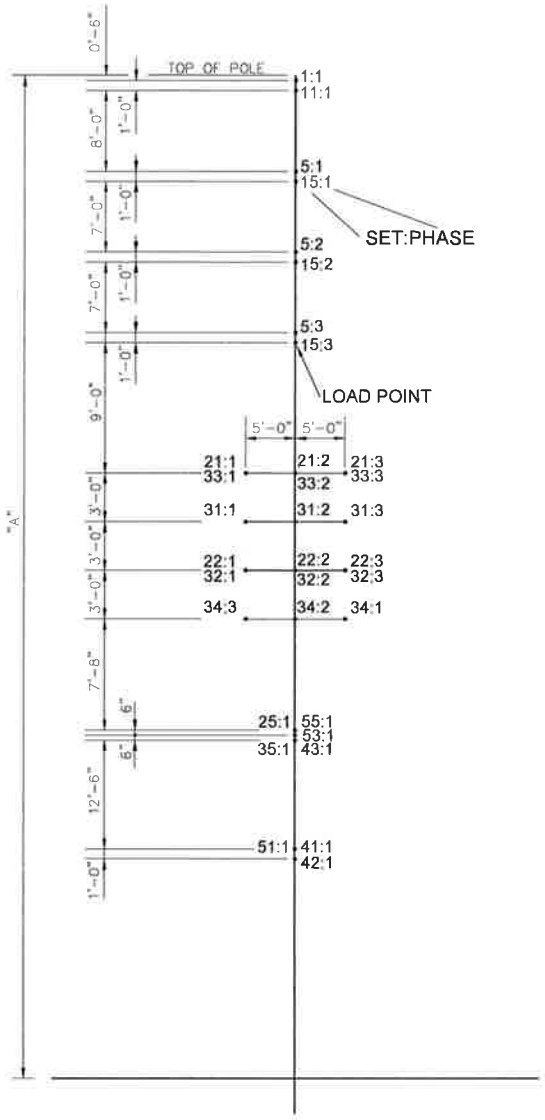
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

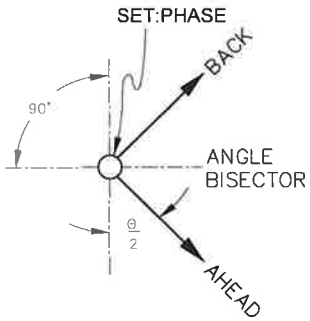
DWN.	AVS	DATE:	06/02/16
CKD.	GSB	APPD.	WPJ
SCALE:	NTS		15-7966

DATE	REVISION

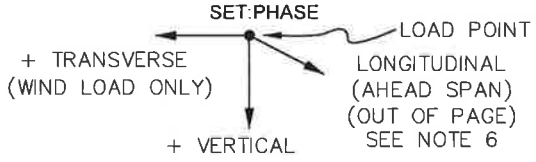
DWG. No.
LT-6
SHEET 1 OF 1

1407798LTD-T (ID 31995)





SET & PHASE DIAGRAM



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7. Θ_1 REPRESENTS THE LINE ANGLE FOR THE TRANSMISSION CONDUCTOR AND Θ_2 REPRESENTS THE LINE ANGLE FOR THE DISTRIBUTION CONDUCTOR.

CONDUCTOR DESCRIPTION

SET	CONDUCTOR
1,11	OHGW – 7#9 ALUMOWELD
5,15	1272 kcmil 61/0 AAC – NARCISSUS
21,22,31,32,33,34	795 kcmil 37/0 AAC – ARBUTUS
25,41,42, 51,53,55	336.4 kcmil 18/1 ACSR – MERLIN
35,43	144 CT. ADSS

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

SOUTH POD – BELLS FORK SUB
STRUCTURE LOADING DESCRIPTION
TS–5AA–S

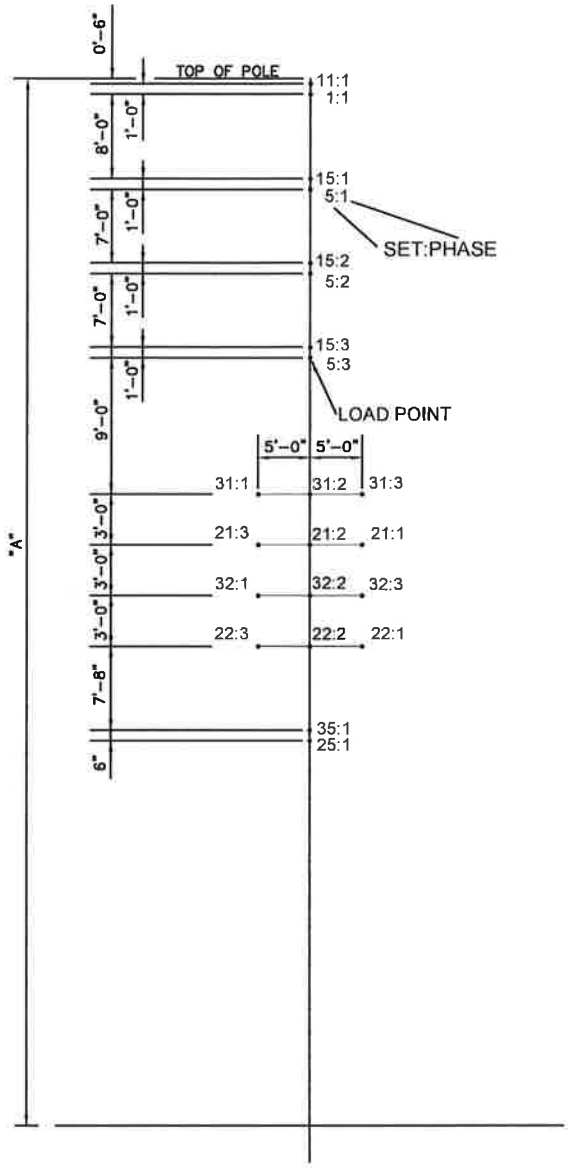
Booth & Associates, LLC
3811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

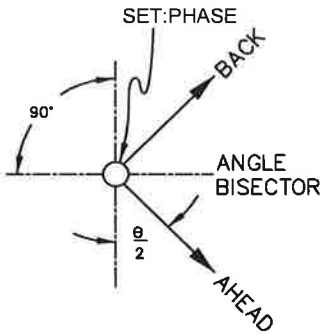
DWN.	AVS	DATE:	06/02/16
CKD.	GSB	APPD.	WPJ
SCALE:	NTS		15–7966

DATE	REVISION

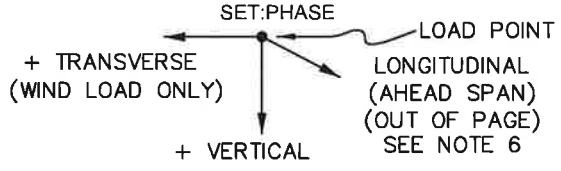
DWG. No. LT–7
SHEET 1 OF 1

1407798LTD–T (ID 31995)





SET & PHASE DIAGRAM



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7. Θ_1 REPRESENTS THE LINE ANGLE FOR THE TRANSMISSION CONDUCTOR AND Θ_2 REPRESENTS THE LINE ANGLE FOR THE DISTRIBUTION CONDUCTOR.

CONDUCTOR DESCRIPTION

SET	CONDUCTOR
1,11	OHGW – 7#9 ALUMOWELD
5,15	1272 kcmil 61/0 AAC – NARCISSUS
21,22,31,32	795 kcmil 37/0 AAC – ARBUTUS
25,35	336.4 kcmil 18/1 ACSR – MERLIN

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

SOUTH POD – BELLS FORK SUB
STRUCTURE LOADING DESCRIPTION
TS–5AA–S

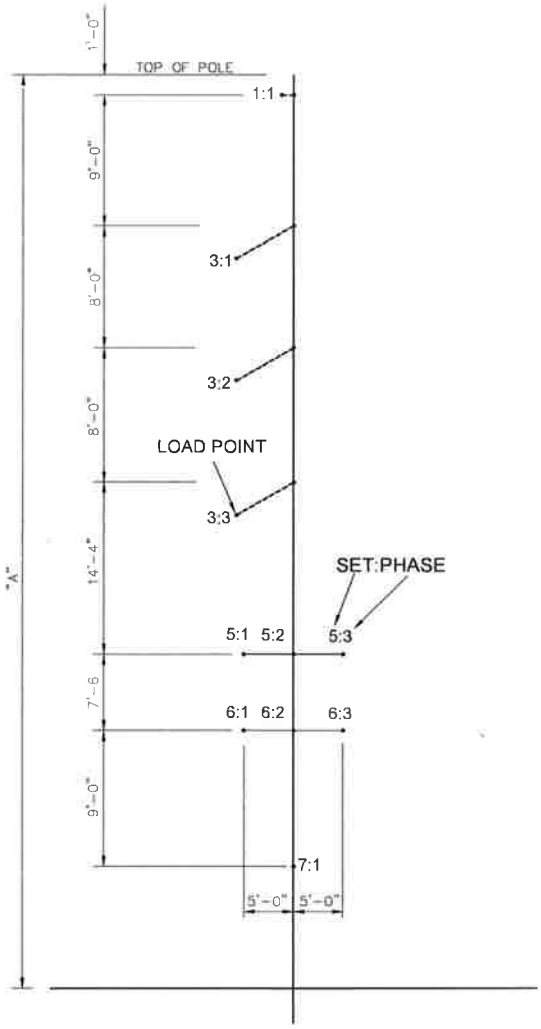
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC P-0221

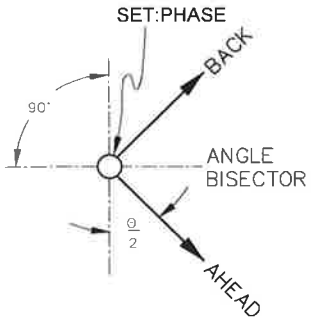
DWN.	AVS	DATE:	06/02/16
CKD.	GSB	APPD.	WPJ
SCALE:	NTS	15–7966	

DATE	REVISION

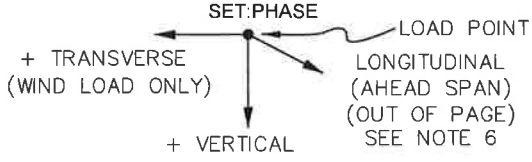
DWG. No. LT–8
SHEET 1 OF 1

1407798LTD–T (ID 31995)





SET & PHASE DIAGRAM



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7. Θ_1 REPRESENTS THE LINE ANGLE FOR THE TRANSMISSION CONDUCTOR AND Θ_2 REPRESENTS THE LINE ANGLE FOR THE DISTRIBUTION CONDUCTOR.

CONDUCTOR DESCRIPTION

SET	CONDUCTOR
1	OHGW – 7#9 ALUMOWELD
3	1272 kcmil 61/0 AAC – NARCISSUS
5,6	795 kcmil 37/0 AAC – ARBUTUS
7	336.4 kcmil 18/1 ACSR – MERLIN

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

SOUTH POD – BELLS FORK SUB
STRUCTURE LOADING DESCRIPTION
TS-4A-S

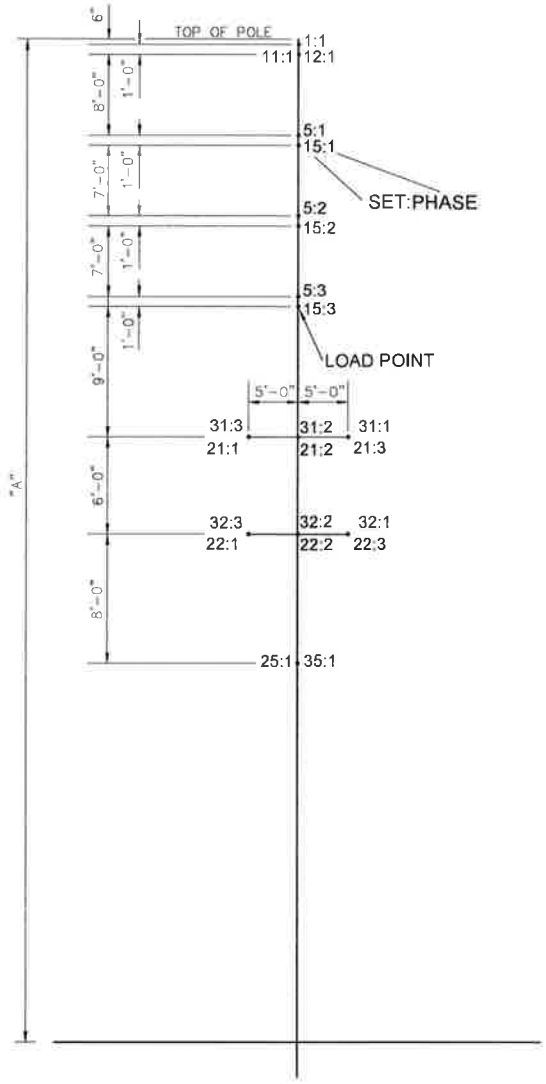
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS

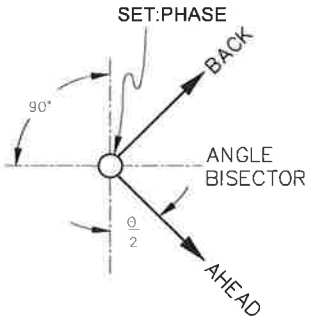
DWN.	AVS	DATE:	06/02/16
CKD.	GSB	APPD.	WPJ
SCALE:	NTS		15-7966

DATE	REVISION

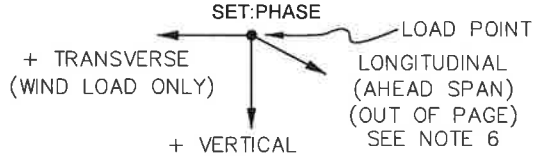
DWG. No. LT-9
SHEET 1 OF 1

1407798LTD-T (ID 31995)





SET & PHASE DIAGRAM



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6. LONGITUDINAL LOADS GIVEN SPECIFY THE MAGNITUDE OF WIRE TENSION IN EACH DIRECTION (AHEAD SPAN AND BACK SPAN). THE POLE MANUFACTURER IS RESPONSIBLE FOR DETERMINING THE TRANSVERSE TENSION LOAD AT EACH LOAD POINT.
7. Θ_1 REPRESENTS THE LINE ANGLE FOR THE TRANSMISSION CONDUCTOR AND Θ_2 REPRESENTS THE LINE ANGLE FOR THE DISTRIBUTION CONDUCTOR.

CONDUCTOR DESCRIPTION

SET	CONDUCTOR
1,11,12	OHGW – 7#9 ALUMOWELD
5,15	1272 kcmil 61/0 AAC – NARCISSUS
21,22,31,32	795 kcmil 37/0 AAC – ARBUTUS
25,35	336.4 kcmil 18/1 ACSR – MERLIN

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GREENVILLE, NORTH CAROLINA

SOUTH POD – BELLS FORK SUB
STRUCTURE LOADING DESCRIPTION
TS–5AA–S

Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS

DWN.	AVS	DATE:	06/02/16
CKD.	GSB	APPD.	WPJ
SCALE:	NTS	15–7966	

DATE	REVISION

DWG. No.
LT–10
SHEET 1 OF 1

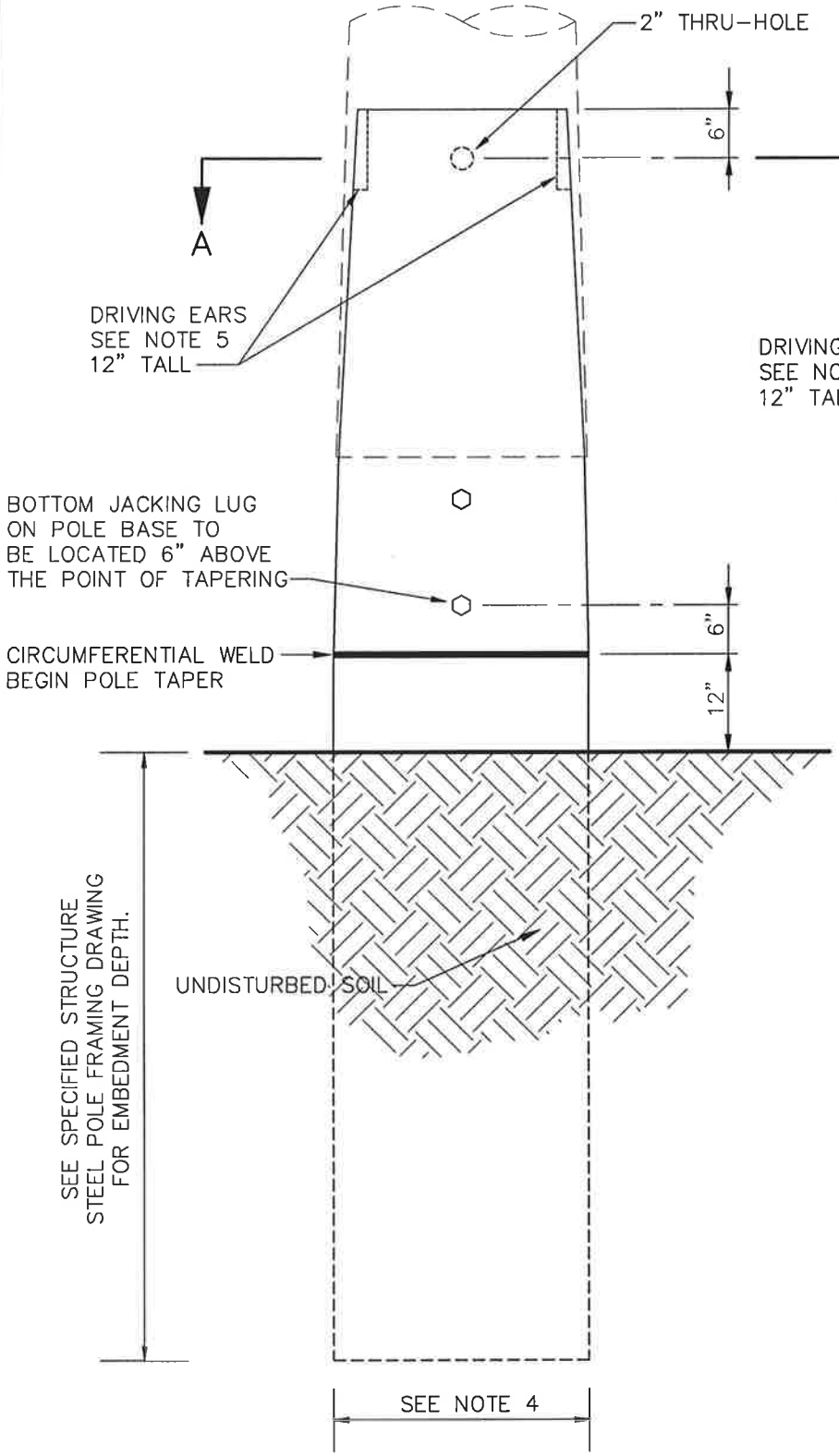
1407798LTD–T (ID 31995)

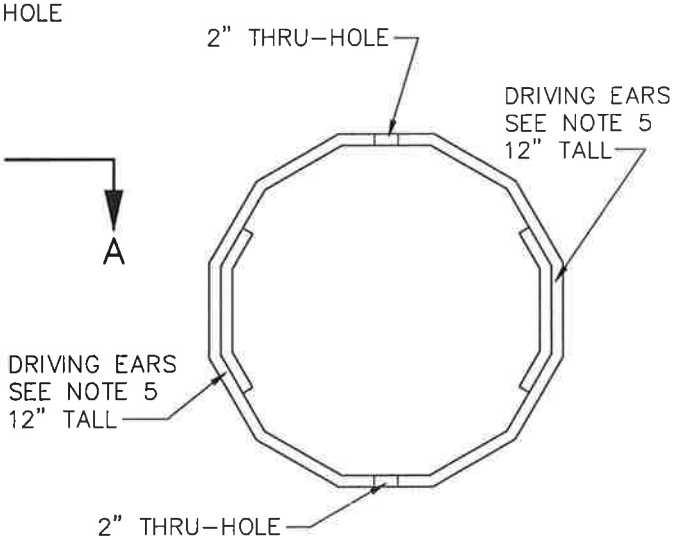
ATTACHMENT C

ATTACHMENT NOT APPLICABLE

ATTACHMENT D

MISCELLANEOUS DRAWINGS





SECTION A-A
N.T.S.

NOTES:

1) VIBRATORY POLE BASE TO BE INSTALLED USING VIBRATORY HAMMER. THE FREQUENCY AND STROKE AMPLITUDE RANGES FOR INSTALLATION OF THE POLE BASE TO BE PER MANUFACTURERS RECOMMENDATIONS.

2) TAPER OF POLE TO MATCH TAPER OF VIBRATORY POLE BASE.

3) OVERLAP LENGTH TO BE DETERMINED BY MANUFACTURER.

4) VIBRATORY BASE DIAMETERS SHOWN ON SPECIFIED STRUCTURE STEEL POLE FRAMING DRAWING ARE MINIMUM. POLE MANUFACTURER IS TO VERIFY VIBRATORY POLE BASE IS ADEQUATE FOR DESIGN LOADS.

5) MANUFACTURE SHALL DETERMINE ADEQUATE OF DRIVING EARS.

LIST OF MATERIALS

ITEM	QTY.	DESCRIPTION
	1	Vibratory Pole Base

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

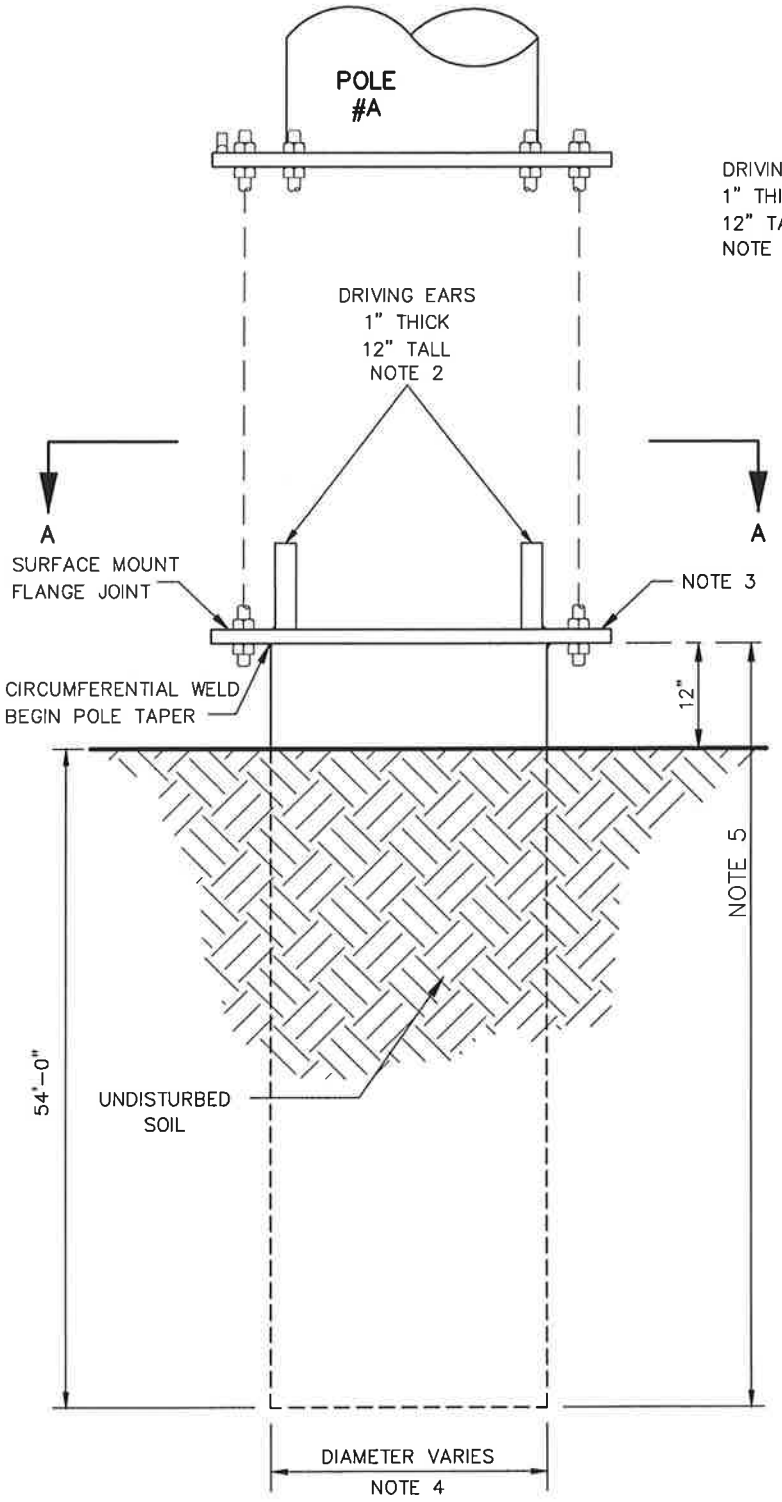
STEEL POLE FRAMING DRAWING
VIBRATORY DRIVEN POLE BASE
GUIDE ONLY

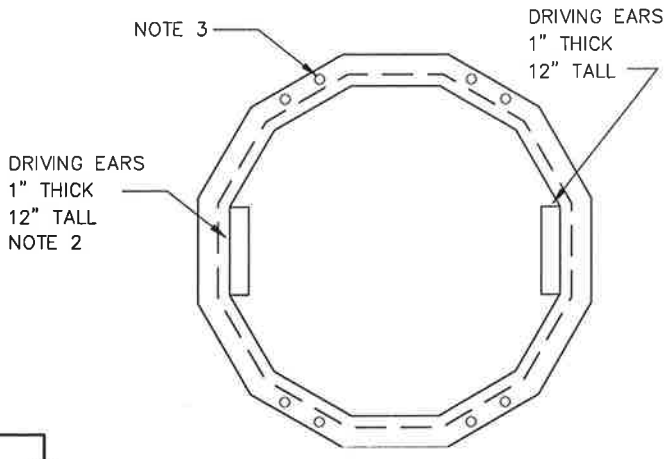
Booth & Associates, LLC
5811 Glenwood Avenue | Raleigh, NC 27612 CONSULTING ENGINEERS NC F-0221

DSN.	BCF	DWN.	AAI
CKD.	BCF	APPD.	WPJ
SCALE:	NONE	DATE:	06/17/16

DATE	REVISION

DWG. NO.
TMF-VPB





SECTION A–A

N.T.S.

NOTES:

1) VIBRATORY POLE BASE TO BE INSTALLED USING VIBRATORY HAMMER. THE FREQUENCY AND STROKE AMPLITUDE RANGES FOR INSTALLATION OF THE POLE BASE TO BE PER MANUFACTURERS RECOMMENDATIONS.

2) POLE MANUFACTURER TO DETERMINE APPROPRIATE DRIVING EARS FOR INSTALLATION. DIMENSIONS GIVEN ARE MINIMUM. POLE MANUFACTURER TO ENSURE SIZE AND CONNECTION OF DRIVING EARS WILL BE ADEQUATE FOR INSTALLATION BY VIBRATORY HAMMER.

3) FLANGE SIZE AND BOLT PATTERN TO BE DETERMINED BY MANUFACTURER. BOLT PATTERN OF POLE TO MATCH BOLT PATTERN OF FOUNDATION FLANGE JOINT.

4) VIBRATORY BASE DIAMETERS SHOWN ON SPECIFIED STRUCTURE STEEL POLE FRAMING DRAWINGS ARE MINIMUM. POLE MANUFACTURER IS TO VERIFY VIBRATORY POLE BASE IS ADEQUATE FOR DESIGN LOADS.

5) CORROSION INHIBITING COATING FROM POLE ABOVE BASE BOTTOM TO BOTTOM OF FLANGE JOINT.

LIST OF MATERIALS

ITEM	QTY.	DESCRIPTION
	1	VIBRATORY POLE BASE – SURFACE MOUNT FLANGE TYPE

GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

STEEL POLE FRAMING DRAWING
VIBRATORY DRIVEN POLE BASE–FLANGE TYPE
GUIDE ONLY

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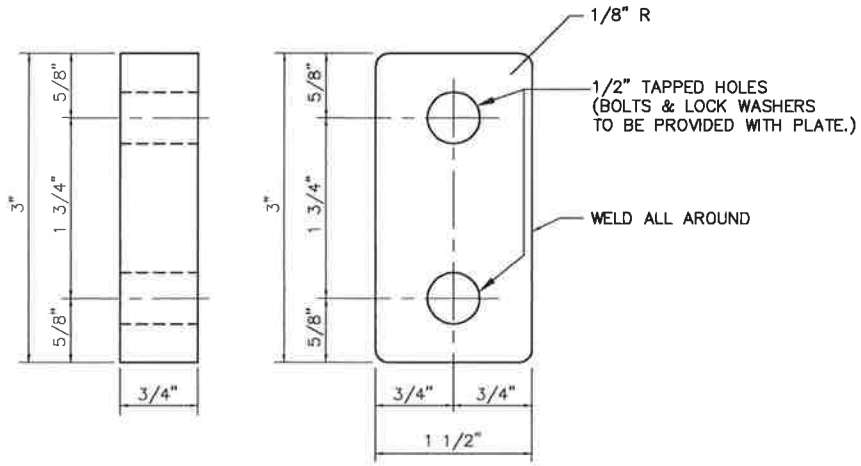
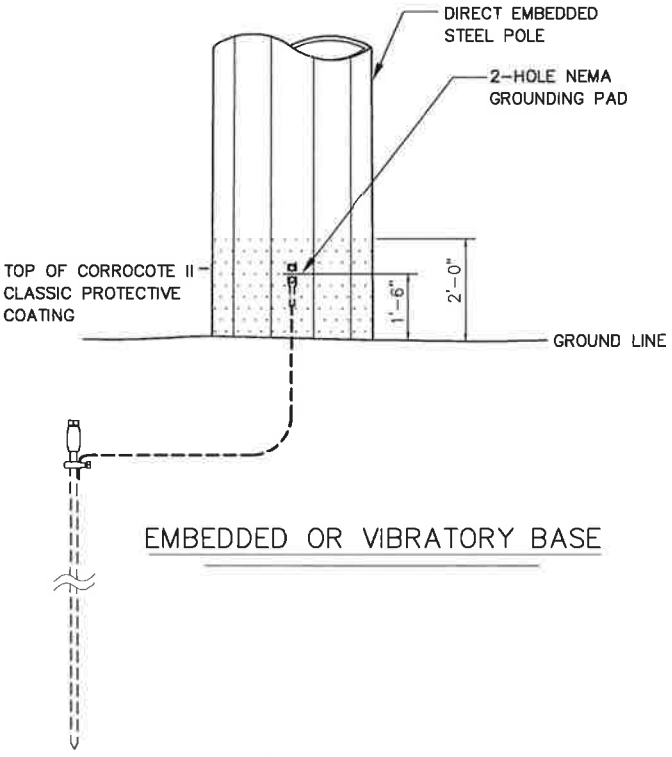
DSN.	WPJ	DWN.	MJJ
CKD.	DSH	APPD.	WPJ
SCALE:	NONE	DATE:	09/20/12

DATE	REVISION
07/25/16	MINOR REVISION

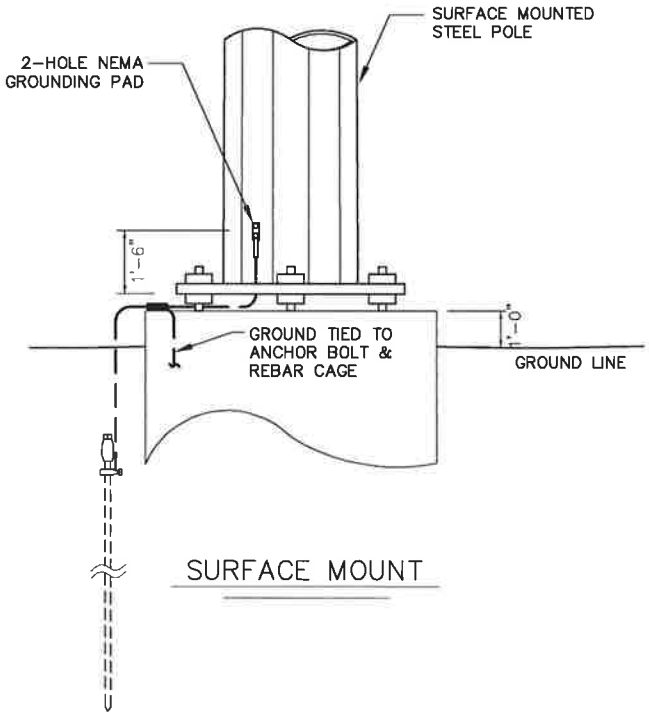
DWG. NO.
TMF–VPB–F–A



NEMA PAD DETAIL



EMBEDDED OR VIBRATORY BASE



SURFACE MOUNT

STEEL POLE GROUNDING PAD DETAIL

Booth & Associates, LLC

DSN.	BCF	DWN.	AAI
CKD.	BCF	APPD.	WPJ
SCALE:	NONE	DATE:	05/02/16

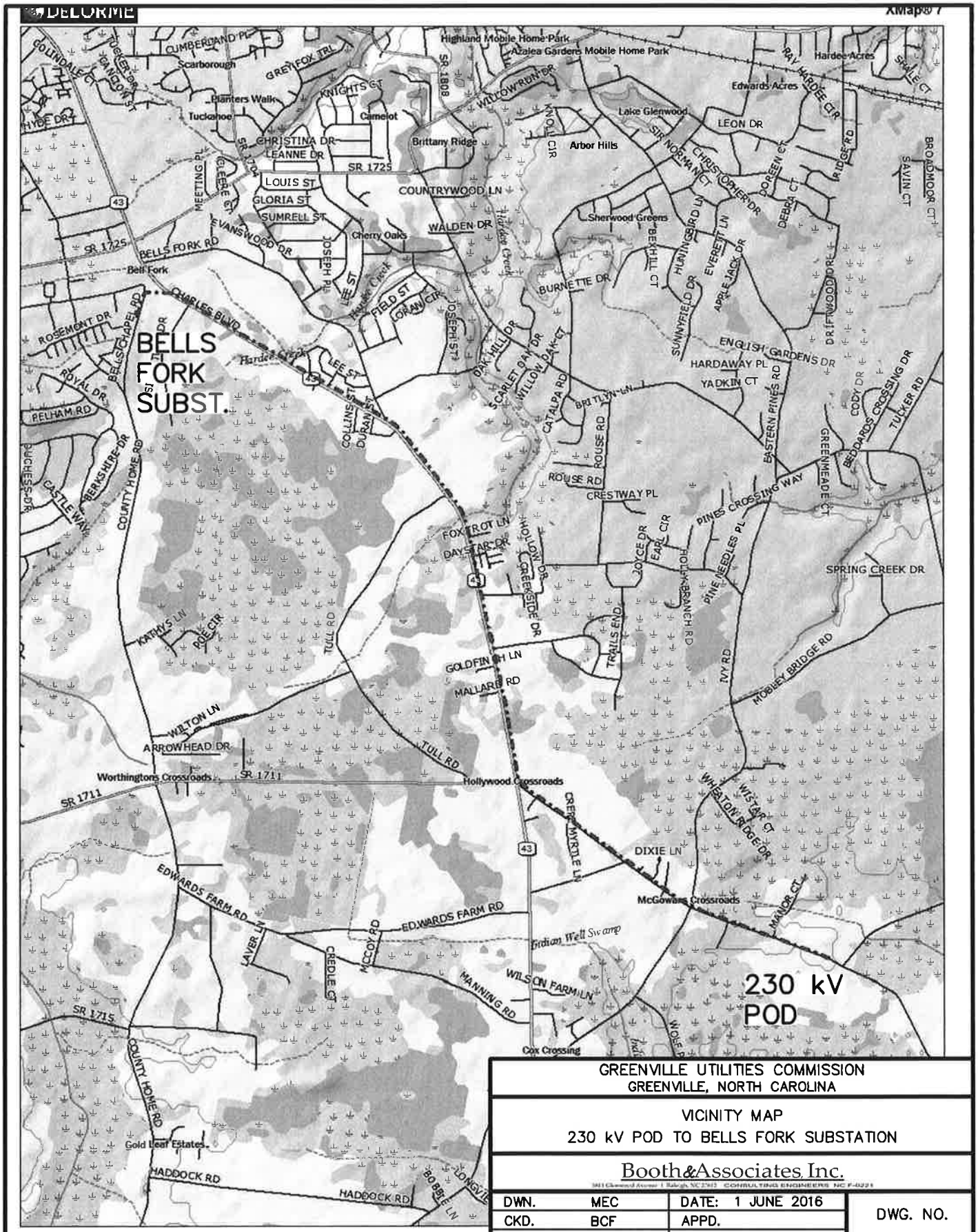
DATE	REVISION

DWG. NO.

TMS-5

APPENDIX

VICINITY MAP



GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA

VICINITY MAP
230 kV POD TO BELLS FORK SUBSTATION

Booth&Associates, Inc.
911 Clearwood Avenue | Raleigh, NC 27610 CONSULTING ENGINEERS NC F-0221

DWN.	MEC	DATE: 1 JUNE 2016	DWG. NO.
CKD.	BCF	APPD.	VM1 OF 1
SCALE:	1" = 3000'	140-7798	

DATE	REVISION	DATE	REVISION

1407798VM1