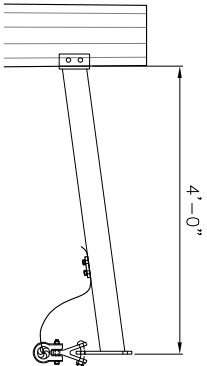


DOYLE WIND PROJECT

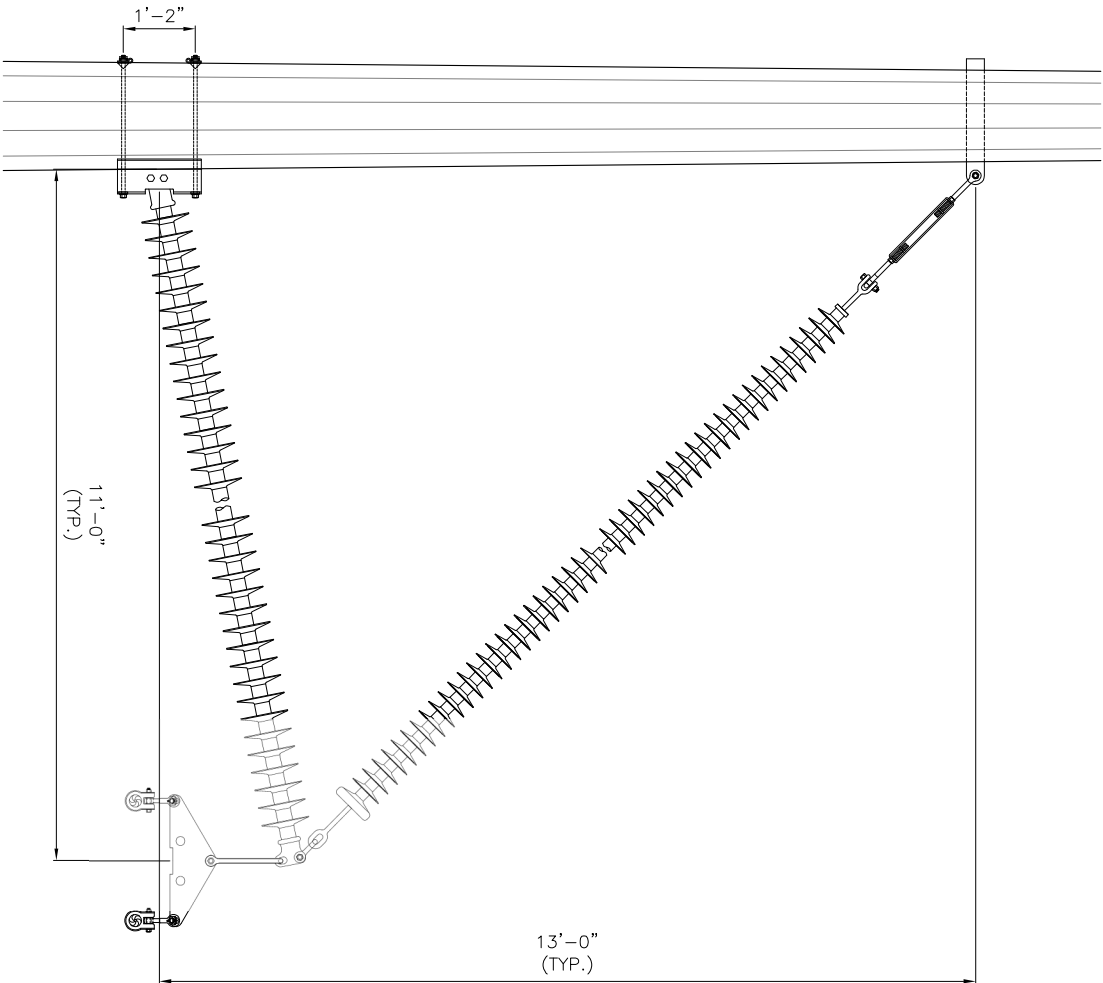
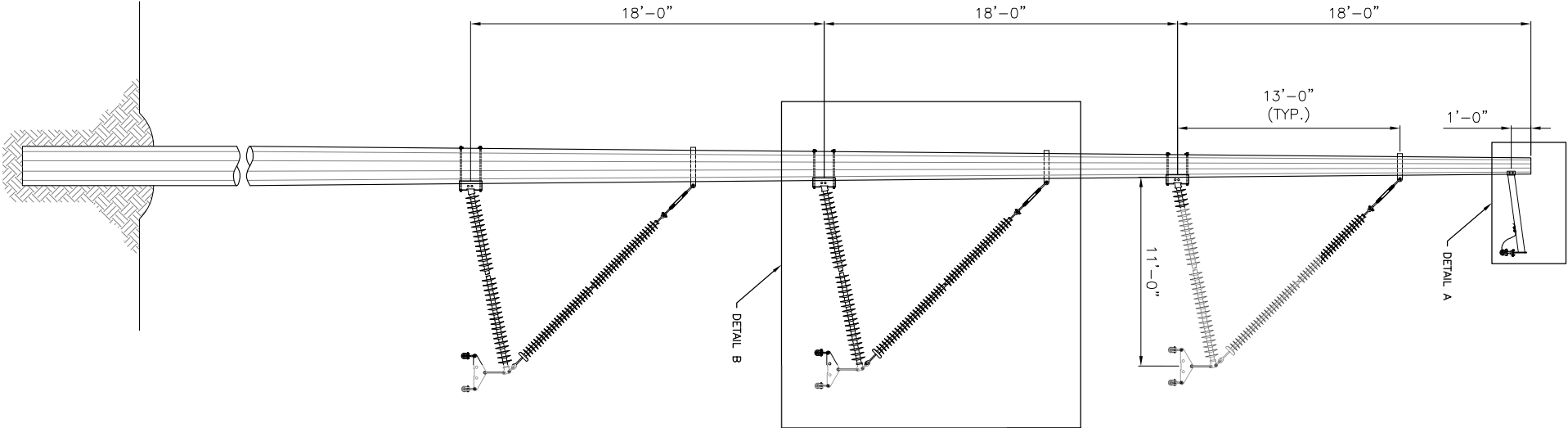
FLORENCE, KANSAS

Rev.	Date	Description	By
A	12/18/14	30% DESIGN	JLEP

QTY	DESCRIPTION
1	POLE
3	BRACED POST ASSEMBLY
1	OPGW SUSPENSION ASSEMBLY
3	BUNDLED CONDUCTOR SUSPENSION ASSEMBLY
1	GROUNDING ASSEMBLY
1	BACKFILL ASSEMBLY
1	4'-0" DAVITT ARM



DETAIL A



DETAIL B



Bernard-Danner-Dettol Lakes-Fargo-Sioux Falls-St. Paul
4295 Lexington Avenue North
St. Paul, Minnesota, 55126
Phone: 651-415-3800 Fax: 651-415-2001
Web: www.ulteig.com
Kansas Registration:
Drawn By: FJE
Checked By: KRW
Approved By: KRW

TRANSMISSION LINE
345KV SINGLE CIRCUIT
0-2° STACKED TANGENT
STRUCTURE

Project Number: 13.01771
Date: 12/18/14
Sheets: 1 of 1

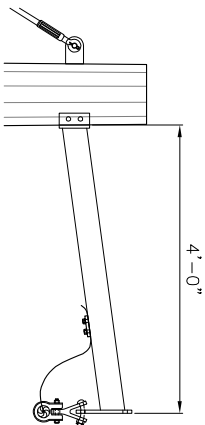
S1

DOYLE WIND PROJECT

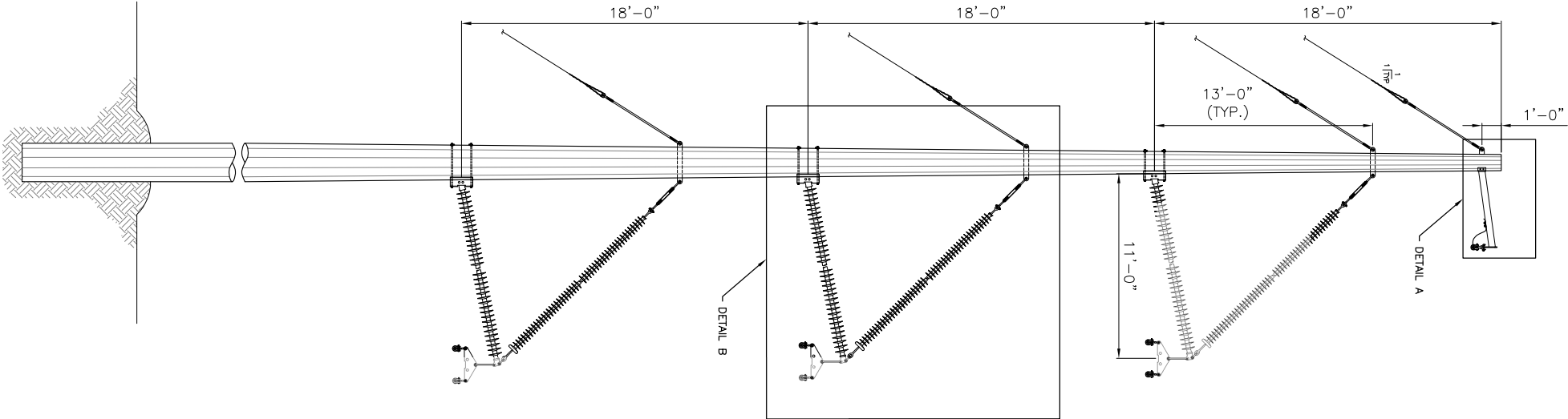
FLORENCE, KANSAS

Rev.	Date	Description	By
A	12/18/14	30% DESIGN	JLEP

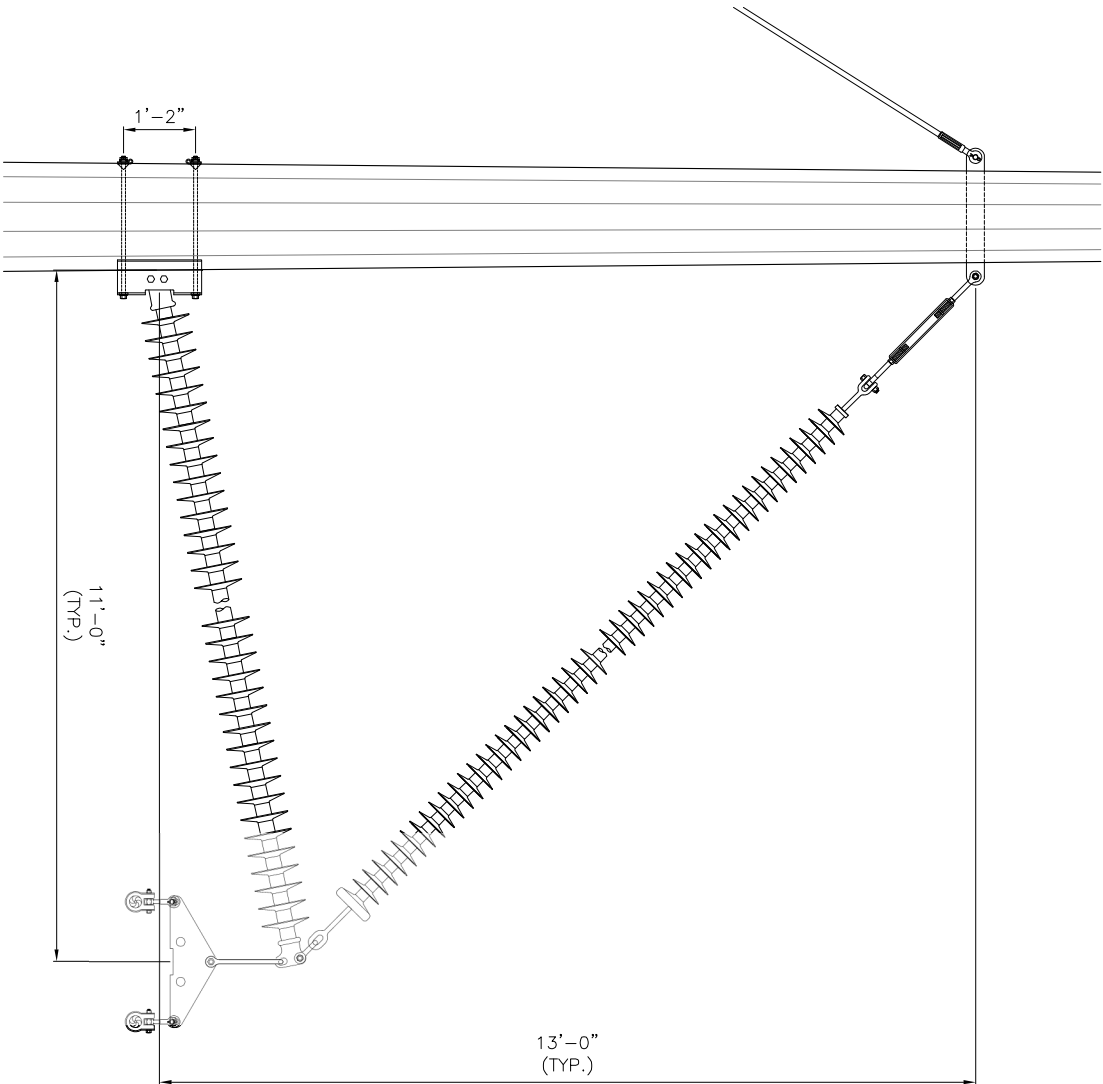
QTY	DESCRIPTION
1	POLE
3	BRACED POST ASSEMBLY
1	OPGW SUSPENSION ASSEMBLY
3	BUNDLED CONDUCTOR SUSPENSION ASSEMBLY
1	GROUNDDING ASSEMBLY
1	BACKFIL ASSEMBLY
1	4'-0" DAVIT ARM
4	GUYING ASSEMBLY



DETAIL A



DETAIL B



DETAIL B



Bernard-Danner-Detroit Lakes-Fargo-Sioux Falls-St. Paul
4285 Lexington Avenue North
St. Paul, Minnesota, 551126
Phone: 651-415-3800 Fax: 651-415-2001
Web: www.ulteig.com
Kansas Registration:
Drawn By: FJE
Checked By: KRW
Approved By: KRW

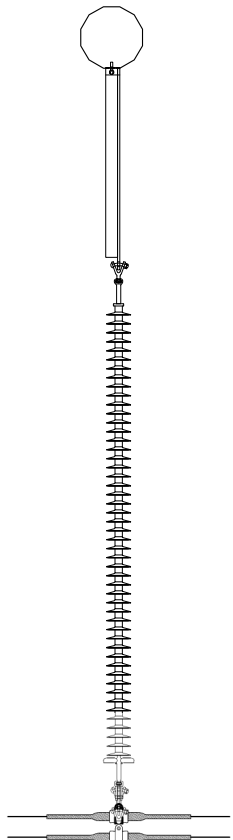
TRANSMISSION LINE
345KV SINGLE CIRCUIT
2-10° STACKED GUYED
ANGLE STRUCTURE

Project Number: 13.01771
Date: 12/18/14
Sheets: 1 of 1

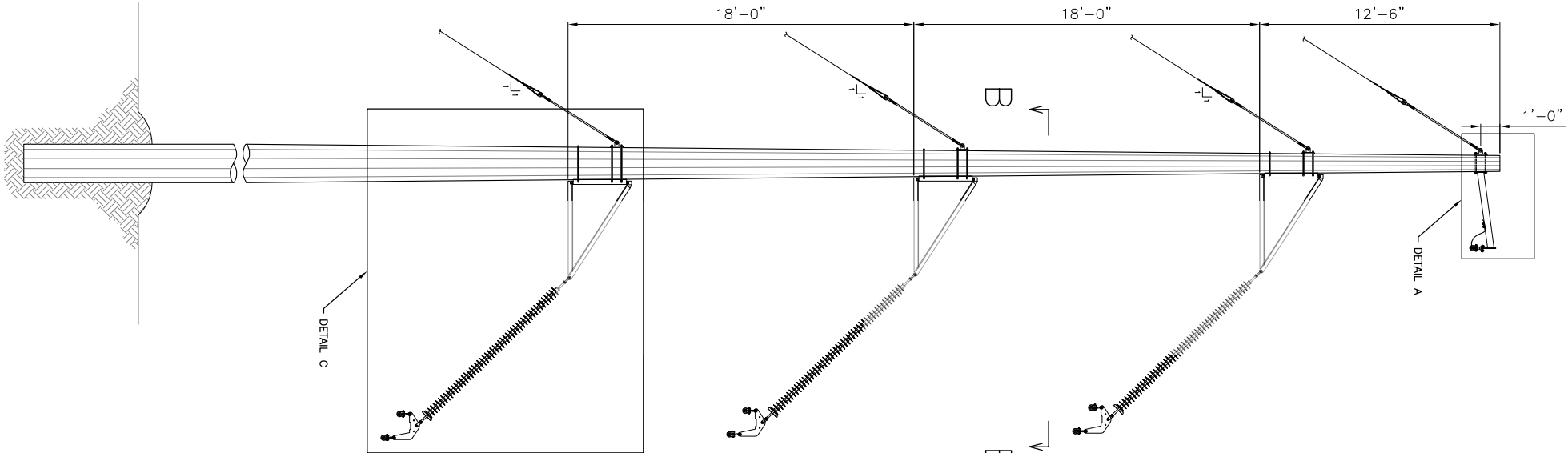
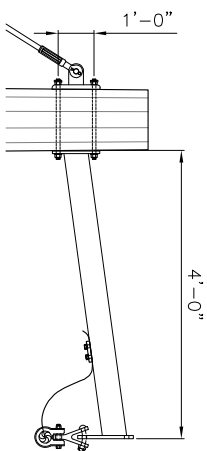
S2

QTY	DESCRIPTION
1	POLE
3	SUSPENSION INSULATOR ASSEMBLY
1	OPGW SUSPENSION ASSEMBLY
3	BUNDLED CONDUCTOR SUSPENSION ASSEMBLY
1	GROUNDING ASSEMBLY
1	BACKFILL ASSEMBLY
1	4'-0" DAVIT ARM
4	GUYING ASSEMBLY
3	5'-0" SWING ANGLE BRACKET

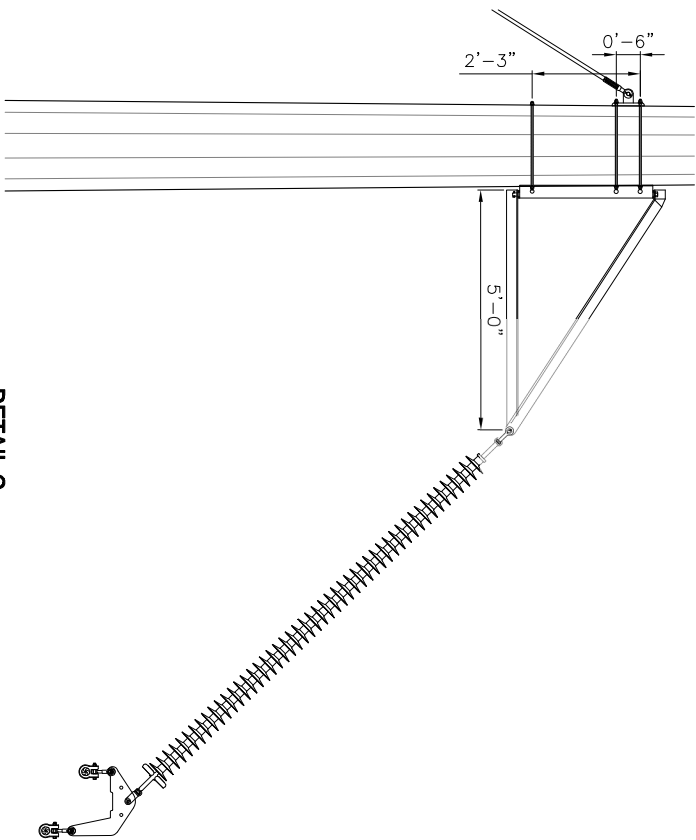
DOYLE WIND PROJECT		
FLORENCE, KANSAS		
Rev.	Date	Description
A	12/18/14	30% DESIGN
By		JEP



DETAIL A



DETAIL C



PRELIMINARY
NOT FOR CONSTRUCTION



Bernard-Danner-Dettol Lakes-Fargo-Sioux Falls-St. Paul
4295 Lexington Avenue North
St. Paul, Minnesota, 55126
Phone: 651-415-3800 Fax: 651-415-2001
Web: www.ultieg.com
Kansas Registration:
Drawn By: FJE
Checked By: KRW
Approved By: KRW

TRANSMISSION LINE
345KV SINGLE CIRCUIT
10-30° GUYED RUNNING
ANGLE STRUCTURE

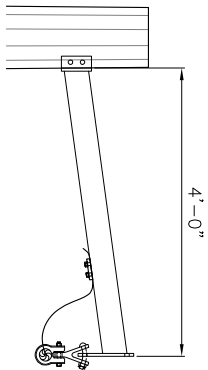
Project Number: 13.01771
Date: 12/18/14
Sheets: 1 of 1

DOYLE WIND PROJECT

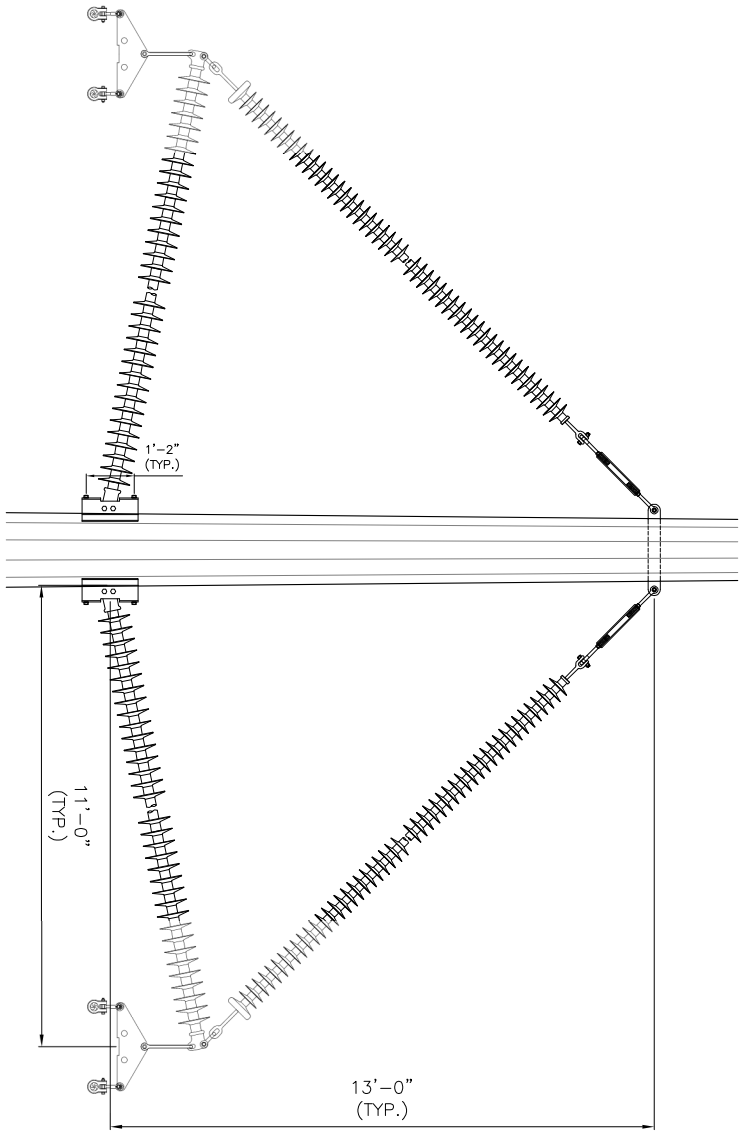
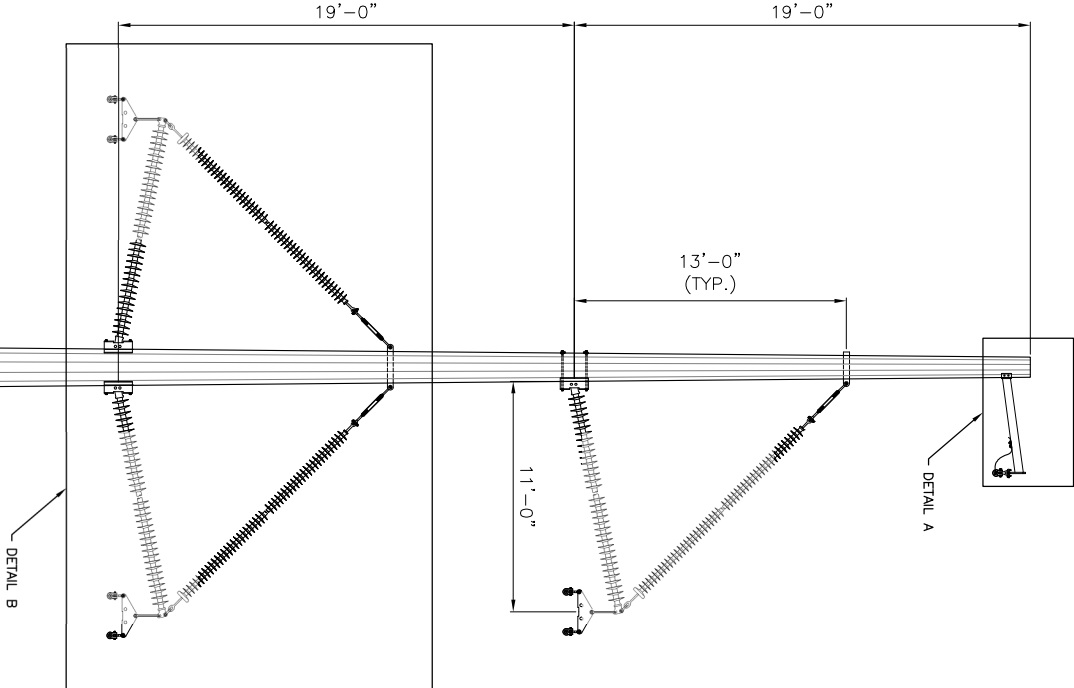
FLORENCE, KANSAS

Rev.	Date	Description	By
A	12/18/14	30% DESIGN	JLEP

QTY	DESCRIPTION
1	POLE
3	BRACED POST ASSEMBLY
1	OPGW SUSPENSION ASSEMBLY
3	BUNDLED CONDUCTOR SUSPENSION ASSEMBLY
1	GROUNDING ASSEMBLY
1	BACKFILL ASSEMBLY
1	4'-0" DAVITT ARM



DETAIL A



DETAIL B



Bernard-Danner-Dorvil Lakes-Fargo-Sioux Falls-St. Paul
4295 Lexington Avenue North
St. Paul, Minnesota, 55126
Phone: 651-415-3800 Fax: 651-415-2001
Web: www.ulteig.com
Kansas Registration:
Drawn By: FJE
Checked By: KRW
Approved By: KRW

TRANSMISSION LINE
345KV SINGLE CIRCUIT
0-2° TANGENT TRIANGULAR
STRUCTURE

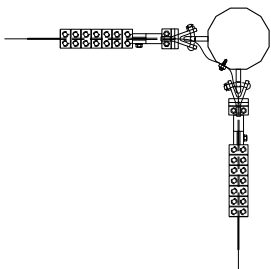
Project Number: 13.01771
Date: 12/18/14
Sheets: 1 of 1

S4

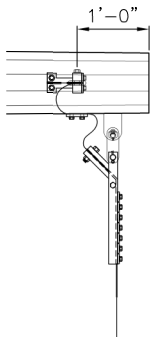
DOYLE WIND PROJECT
FLORENCE, KANSAS

Rev.	Date	Description	By
A	12/18/14	30% DESIGN	JLEP

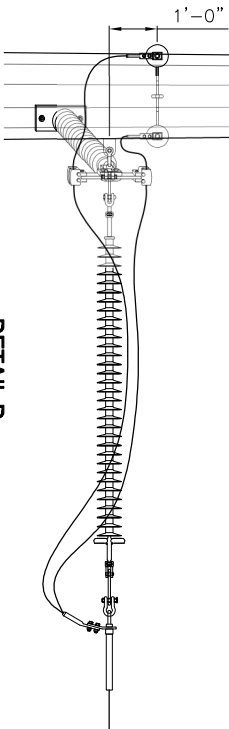
QTY	DESCRIPTION
1	POLE
6	DOUBLE DEAD END INSULATOR ASSEMBLY
2	OPGW DEAD END ASSEMBLY
6	BUNDLED CONDUCTOR DEAD END ASSEMBLY
1	GROUNDING ASSEMBLY
3	HORIZONTAL POST LUMBER INSULATOR ASSEMBLY
1	CONCRETE DRILLED PIER FOUNDATION



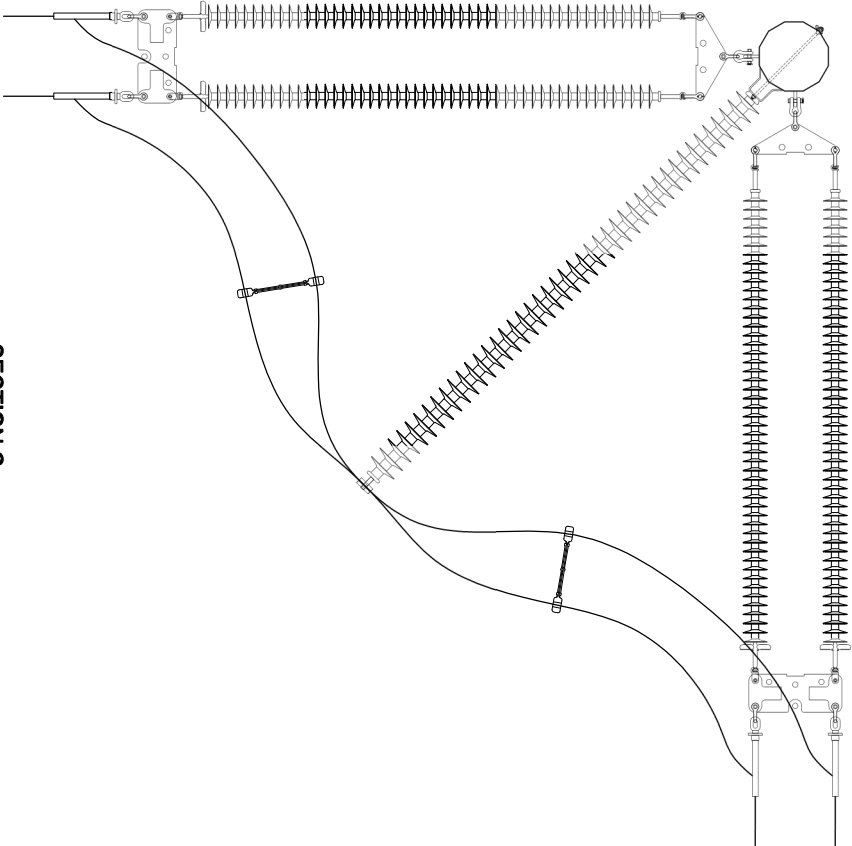
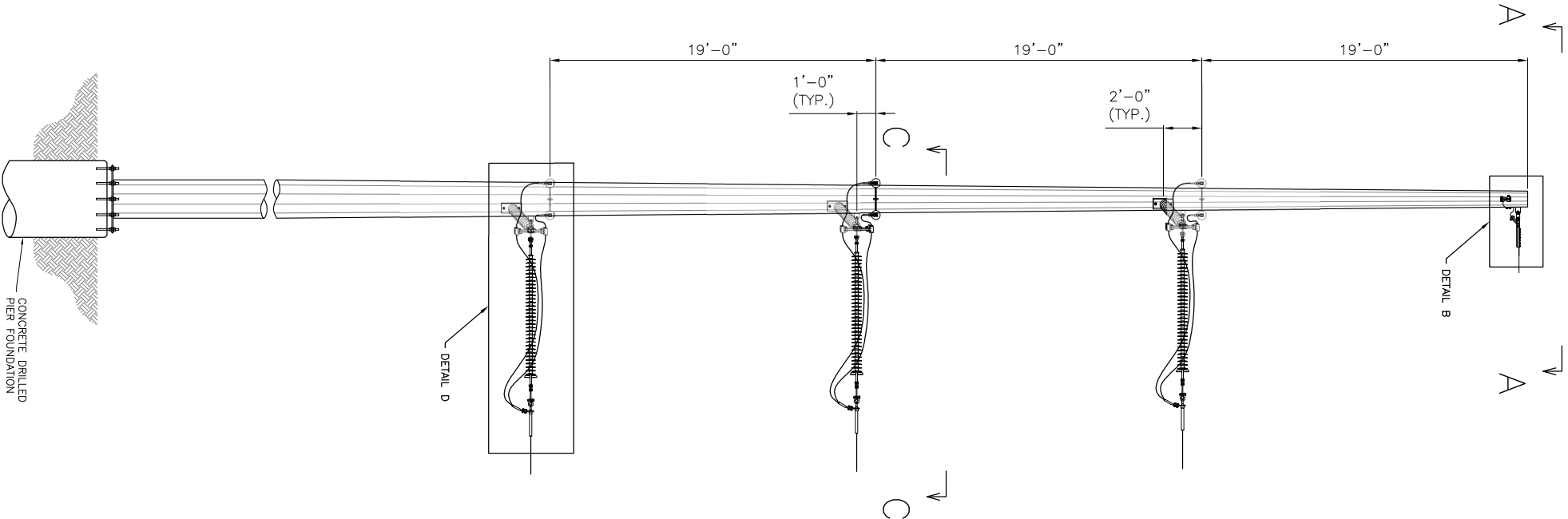
VIEW A



DETAIL B



DETAIL D



SECTION C



Bernard-Danner-Dorvil Lakes-Fargo-Sioux Falls-St. Paul
4285 Lexington Avenue North
St. Paul, Minnesota, 55126
Phone: 651-415-3800 Fax: 651-415-2001
Web: www.ulteig.com
Kansas Registration:
Drawn By: FJE
Checked By: KRW
Approved By: KRW

TRANSMISSION LINE
345KV SINGLE CIRCUIT
SELF-SUPPORTING
DEADEND STRUCTURE

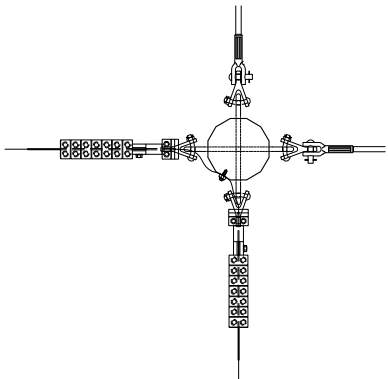
Project Number: 1301771
Date: 12/18/14
Sheets: 1 of 1

DOYLE WIND PROJECT

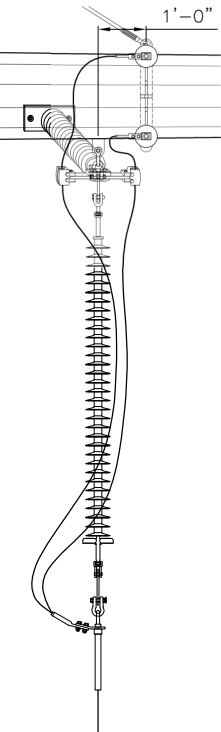
FLORENCE, KANSAS

Rev.	Date	Description	By
A	12/18/14	30% DESIGN	JLEP

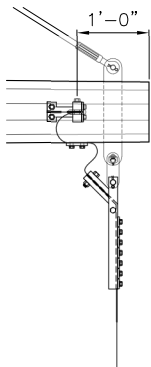
QTY	DESCRIPTION
1	POLE
6	DOUBLE DEAD END INSULATOR ASSEMBLY
2	OPGW DEAD END ASSEMBLY
6	BUNDLED CONDUCTOR DEAD END ASSEMBLY
1	GROUNDING ASSEMBLY
1	BACKFILL ASSEMBLY
3	HORIZONTAL POST JUMPER INSULATOR ASSEMBLY
8	GUYING ASSEMBLY



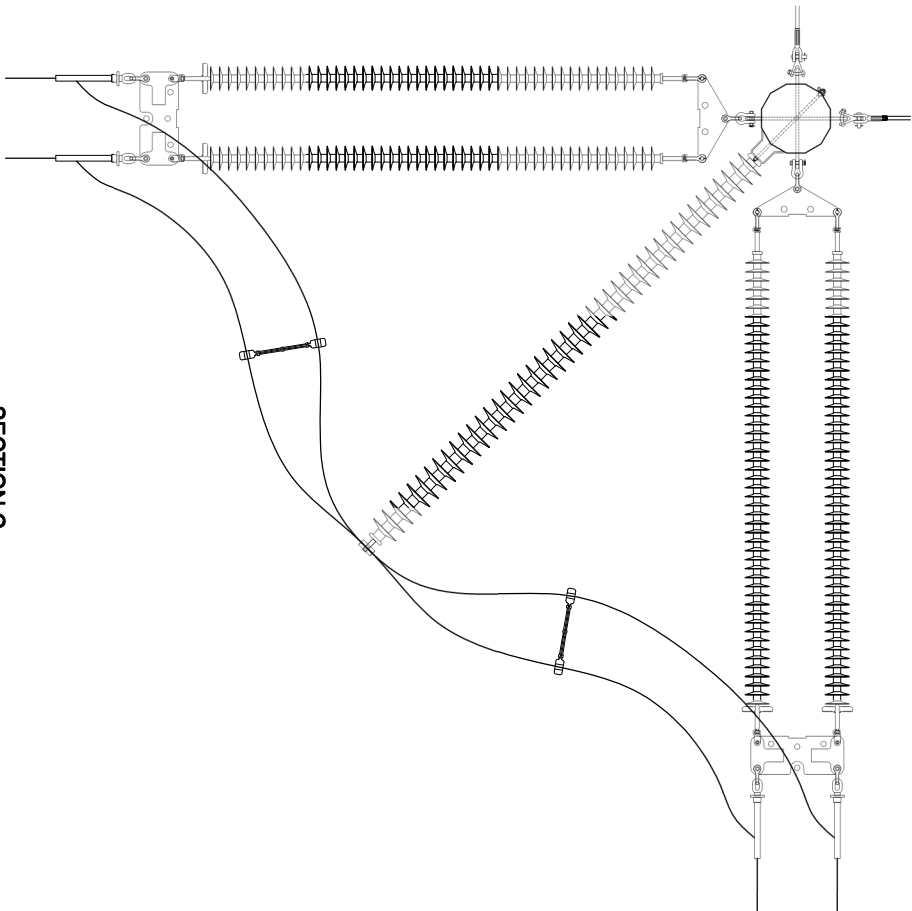
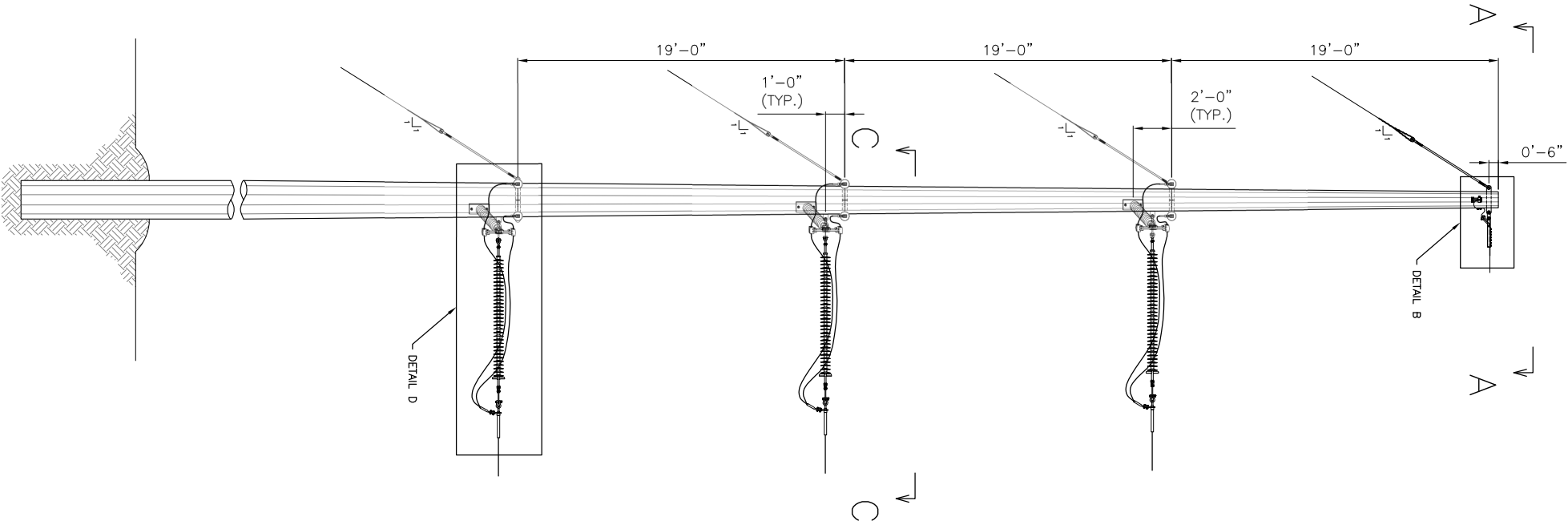
VIEW A



DETAIL D



DETAIL B



SECTION C



Bismark-Denver-Detroit-Lakes-Fargo-Sioux Falls-St. Paul
4285 Lexington Avenue North
St. Paul, Minnesota, 551126
Phone: 651-415-3800 Fax: 651-415-2001
Web: www.ulteig.com
Kansas Registration:
Drawn By: FJE
Checked By: KRW
Approved By: KRW

TRANSMISSION LINE
345KV SINGLE CIRCUIT
SELF-SUPPORTING GUYED
DEADEND STRUCTURE

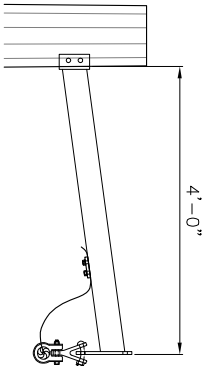
Project Number: 13.01771
Date: 12/18/14
Sheets: 1 of 1

DOYLE WIND PROJECT

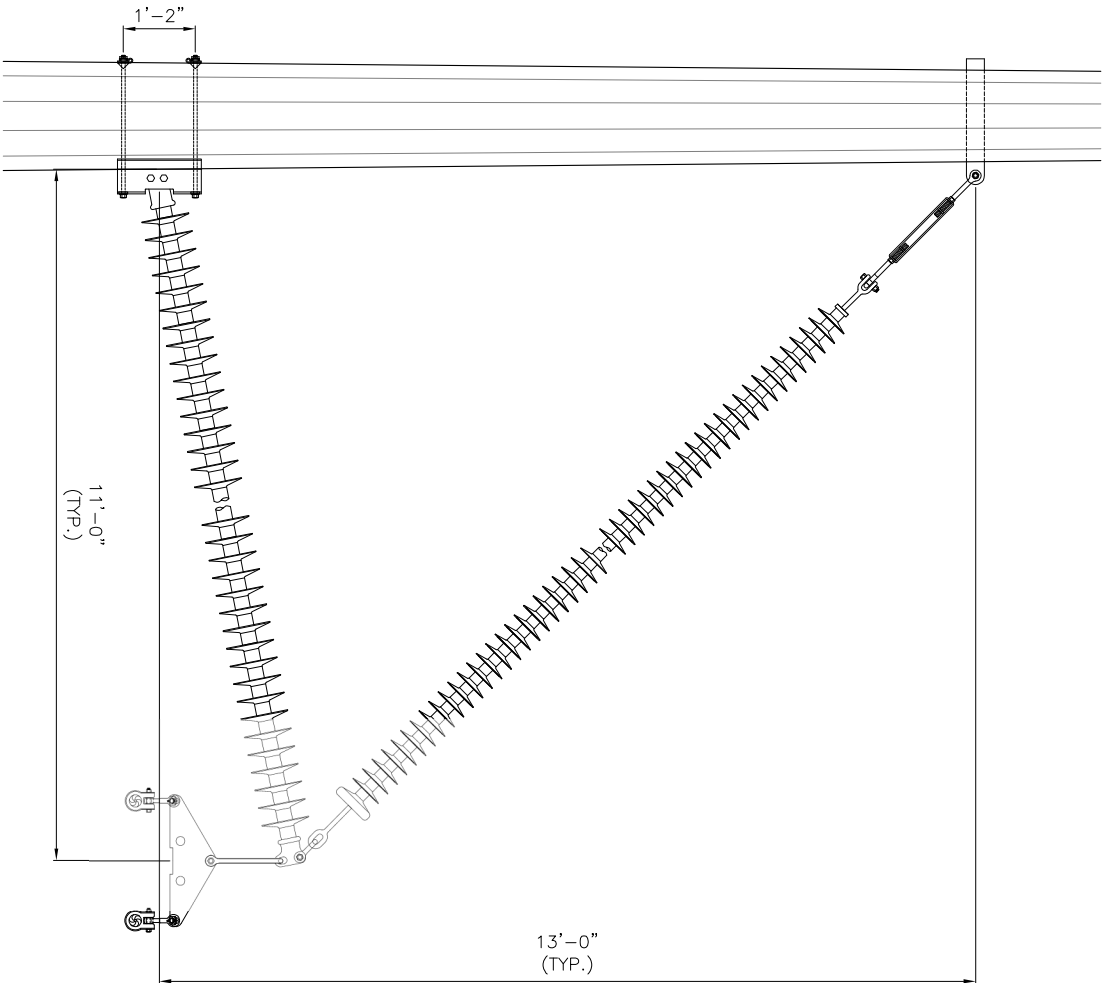
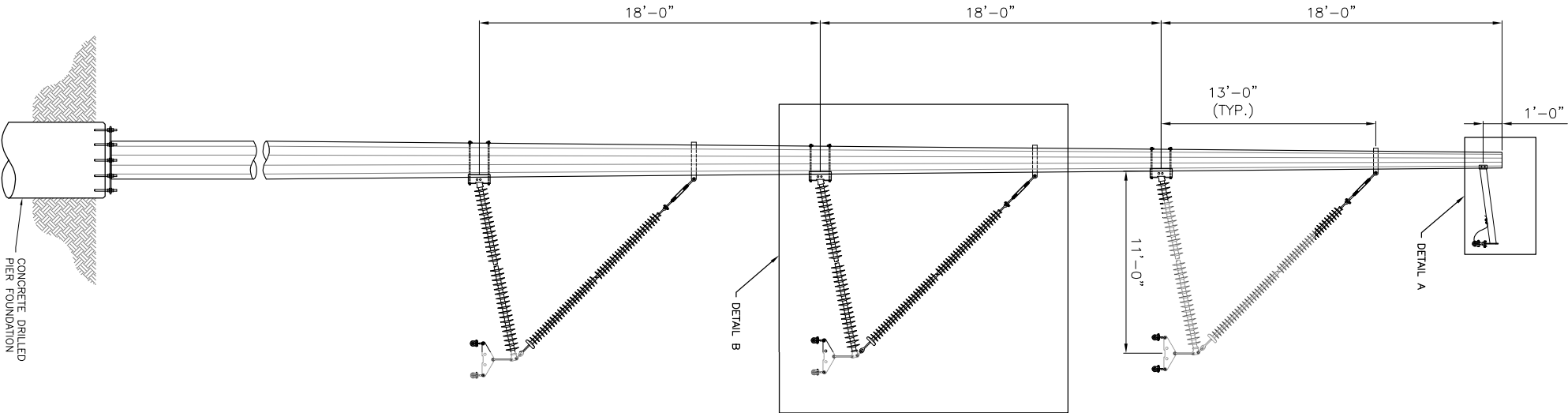
FLORENCE, KANSAS

Rev.	Date	Description	By
A	12/18/14	30% DESIGN	JLEP

QTY	DESCRIPTION
1	POLE
3	BRACED POST ASSEMBLY
1	OPGW SUSPENSION ASSEMBLY
3	BUNDLED CONDUCTOR SUSPENSION ASSEMBLY
1	GROUNDING ASSEMBLY
1	CONCRETE DRILLED PIER FOUNDATION
1	4'-0" DAVIT ARM



DETAIL A



DETAIL B



Bernard-Demner-Demol Lakes-Fargo-Sioux Falls-St. Paul
4295 Lexington Avenue North
St. Paul, Minnesota, 55126
Phone: 651-415-3800 Fax: 651-415-2001
Web: www.ulteig.com
Kansas Registration:
Drawn By: FJE
Checked By: KRW
Approved By: KRW

TRANSMISSION LINE 345KV
SINGLE CIRCUIT 2-10°
STACKED SELF SUPPORTING
ANGLE STRUCTURE

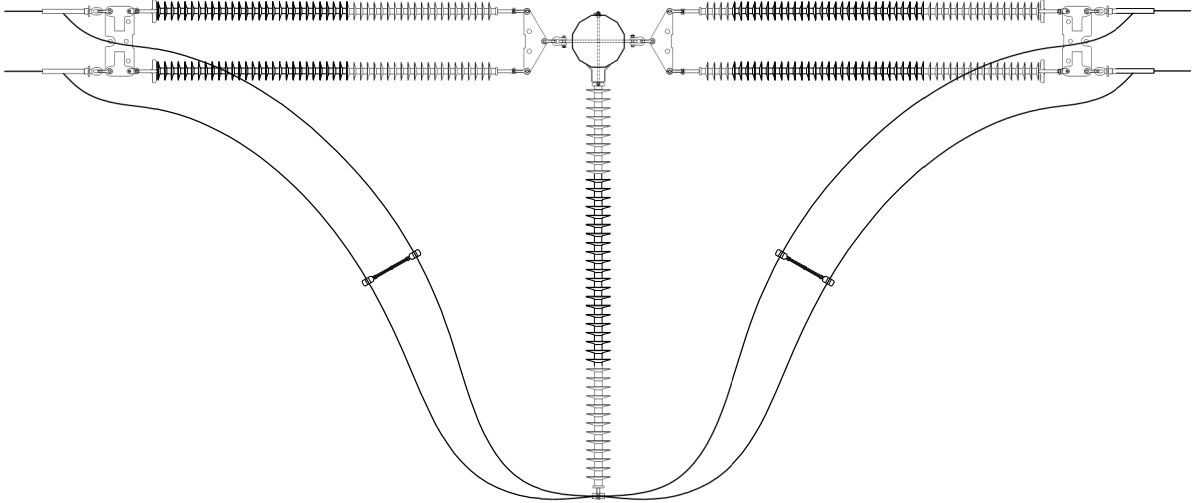
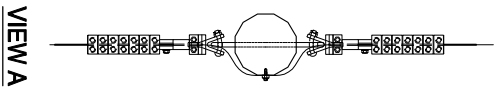
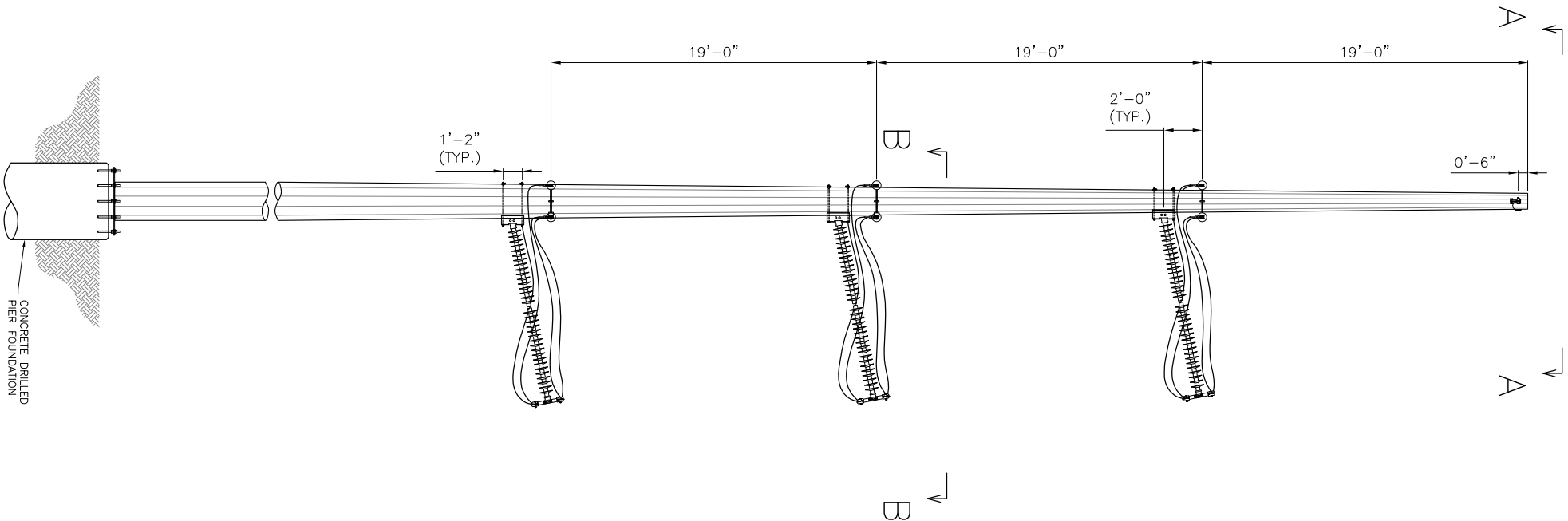
Project Number: 13.01771
Date: 12/8/14
Sheets: 1 of 1

DOYLE WIND PROJECT

FLORENCE, KANSAS

Rev.	Date	Description	By
A	12/18/14	30% DESIGN	JLEP

QTY	DESCRIPTION
1	POLE
6	DOUBLE DEAD END INSULATOR ASSEMBLY
2	OPGW DEAD END ASSEMBLY
6	BUNDLED CONDUCTOR DEAD END ASSEMBLY
1	GROUNDING ASSEMBLY
3	HORIZONTAL POST JUMPER INSULATOR ASSEMBLY
1	CONCRETE DRILLED PIER FOUNDATION



SECTION B



Bernard-Danner-Detroit Lakes-Fargo-Sioux Falls-St. Paul
4285 Lexington Avenue North
St. Paul, Minnesota, 551126
Phone: 651-415-3800 Fax: 651-415-2001
Web: www.ulteig.com
Kansas Registration:
Drawn By: FJE
Checked By: KRW
Approved By: KRW

TRANSMISSION LINE
345KV SINGLE CIRCUIT
SELF-SUPPORTING IN-LINE
DEADEND STRUCTURE

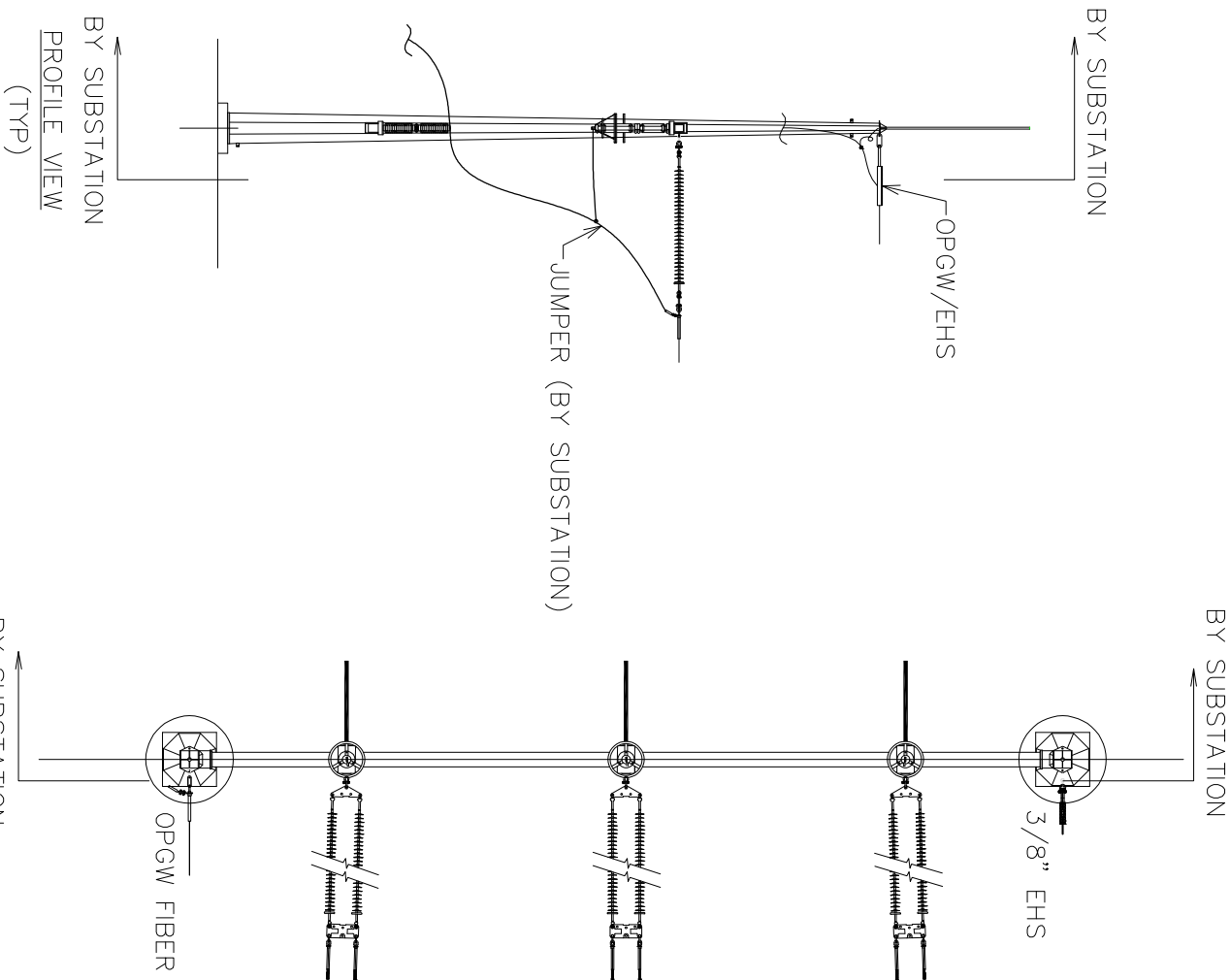
Project Number: 13.01771
Date: 12/18/14
Sheets: 1 of 1

DOYLE WIND PROJECT

FLORENCE, KANSAS

QTY	DESCRIPTION
3	DOUBLE DEAD END INSULATOR ASSEMBLY
1	OPGW DEAD END ASSEMBLY
1	3/8" EHS DEAD END ASSEMBLY
3	BUNDLED CONDUCTOR DEAD END ASSEMBLY

Rev.	Date	Description	By
A	12/18/14	30% DESIGN	JLEP



PRELIMINARY
NOT FOR CONSTRUCTION



Bernard-Danner-Daniel-Lakes-Fargo-Sioux-Falls-St. Paul
4285 Lexington Avenue North
St. Paul, Minnesota, 55112S
Phone: 651-415-3800 Fax: 651-415-2001
Web: www.ulteig.com
Kansas Registration:
Drawn By: FJE
Checked By: KRW
Approved By: KRW

TRANSMISSION LINE
345KV SINGLE CIRCUIT
STRUCTURE FRAMING
SUBSTATION DEADEND STEEL

Project Number: 13.01771
Date: 12/18/14
Sheets: 1 of 1