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Kathryn E. Boucher
Associate
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kathryn.boucher@lockelord.com

December 20, 2019

VIA ELECTRONIC MAIL AND OVERNIGHT MAIL

Melanie A. Bachman
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Petition 1352 - Nutmeg Solar, LLC, petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 19.6-megawatt AC solar photovoltaic electric generating facility on approximately 162 acres comprised of 9 separate parcels located generally south of Bailey Road and east of Route 191 (Broad Brook Road), and associated electrical interconnection to Eversource Energy's Scitico Substation at 20 Bailey Road in Enfield, Connecticut

Dear Ms. Bachman:

On behalf of the petitioner, Nutmeg Solar, LLC, enclosed please find an original and 15 copies of responses to the Connecticut Siting Council's interrogatories in connection with the Development and Management plan as filed in the above-referenced proceeding.

Please do not hesitate to contact the undersigned or David Bogan of this office (860-541-7711) should you have any questions regarding this submission.

Very truly yours,

A handwritten signature in black ink that reads "Kathryn E. Boucher".

Kathryn E. Boucher

CERTIFICATION

I hereby certify that on December 20, 2019, the foregoing was delivered by regular mail, postage prepaid, in accordance with § 16-50j-12 of the Regulations of Connecticut State Agencies, to all parties and intervenors of record, as follows:

Maria Eldsen, Esq.
Town Attorney
Town of Enfield
820 Enfield Street
Enfield, CT 06082



Kathryn E. Boucher
Commissioner of the Superior Court

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

Petition No. 1352

Company:
Nutmeg Solar, LLC

Witness:
Jessica B. Roberts

Submission Date:
December 20, 2019

Page 1 of 1

CSC-1 Condition No. 1(a) of the Council's Declaratory Ruling (Declaratory Ruling) dated April 26, 2019 requires, "The D&M Plan shall be served on the Towns of Enfield and Somers for comment..." Was a copy of the Development and Management Plan (D&M Plan) submitted to the Towns of Enfield and Somers? If no, please submit a copy to these two municipalities.

Response:

Copies of the D&M Plan were served on the Towns of Enfield and Somers on November 27, 2019.

See Attachment CSC-1 – Enfield and Somers Transmittal Letters.

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

Petition No. 1352

Company:
Nutmeg Solar, LLC

Witness:
Mitchell Thiem

Submission Date:
December 20, 2019

Page 1 of 1

CSC-2 Condition No. 1(a) of the Declaratory Ruling also requires, “A final site plan including, but not limited to, solar arrays, fence design, and the electrical connections to and including the Collector Substation.” Drawing Nos. C-024 and C-025 of the Development and Management Plan (D&M Plan) only depict the rectangular area for the Collector Substation with a note that states, “Refer to Electrical Drawings for Substation.” Please provide the site plan/electrical drawings of the Collector Substation. Include the substation structure/equipment heights and the connection to Eversource’s approved underground transmission line from Petition No. 1376.

Response:

A 115/34.5 kV Substation General Arrangement Plan and 115/34.5kV Substation Above Grade Section H-H are being submitted with this response.

See Attachment CSC-2 – 115/34.5 kV Substation General Arrangement Plan and 115/34.5kV Substation Above Grade Section H-H drawing sheets.

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

Petition No. 1352

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Nutmeg Solar, LLC

Witness:
Mitchell Thiem

Submission Date:
December 20, 2019

Page 1 of 1

CSC-3 Finding of Fact #94 from Petition No. 1352 indicated that the project would have approximately 72,520 solar panels at 400 Watts DC each. Page 10 of the D&M Plan indicates that 405 Watt panels would be utilized. Provide the updated quantity of solar panels. Has the AC capacity of the project changed from the originally approved approximately 19.6 MW AC?

Response:

Currently 78,192 405 Watt panels are proposed for the project. The AC capacity of the project has not changed and is 19.6 MW AC at the point of interconnection.

TRANSMITTAL

Tighe&Bond

Project No.: R 317-3-09

VIA HAND DELIVERY

Date: November 27, 2019

Re: Nutmeg Solar Project Development and Management Plan (Enfield, CT)

To:
Maria S. Elsden, Esq.
Acting Town Attorney
Town of Enfield
820 Enfield Street
Enfield, CT 06082

Copy:

FOR SIGNATURE **FOR FILE** **AS REQUESTED** **FOR REVIEW** **PLEASE REPLY**

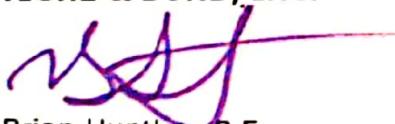
NO. COPIES DESCRIPTION

1 Copy – Development and Management Plan (Nutmeg Solar Project)

Enclosed please find an original and fifteen (15) copies of the Nutmeg Solar Development and Management Plan ("D&M Plan") as required by the Connecticut Siting Council in its April 25, 2019 Opinion, Decision and Order.

Should you have any questions, please contact me at (413) 875-1301/
BSHuntley@tighebond.com.

Very truly yours,
TIGHE & BOND, INC.



Brian Huntley, P.E.
Senior Project Manager/ Associate

RECEIVED
ENFIELD TOWN CLERK
2019 NOV 27 PM 4:19

TRANSMITTAL

Tighe&Bond

Project No.: R 317-3-09

VIA HAND DELIVERY

Date: November 27, 2019

Re: Nutmeg Solar Project Development and Management Plan (Enfield, CT)

To:
C.G. 'Bud' Knorr, Jr.
First Selectman
Town of Somers
600 Main Street
Somers, CT 06071

Copy:

FOR SIGNATURE **FOR FILE** **As REQUESTED** **FOR REVIEW** **PLEASE REPLY**

NO. COPIES DESCRIPTION

1 Copy – Development and Management Plan (Nutmeg Solar Project)

Enclosed please find an original and fifteen (15) copies of the Nutmeg Solar Development and Management Plan ("D&M Plan") as required by the Connecticut Siting Council in its April 25, 2019 Opinion, Decision and Order.

Should you have any questions, please contact me at (413) 875-1301/
BSHuntley@tighebond.com.

Very truly yours,
TIGHE & BOND, INC.



Brian Huntley, P.E.
Senior Project Manager/ Associate

Bud Knorr
4:45
11-27-19

RECEIVED
TOWN CLERK'S OFFICE

NOV 27 2019

LEGEND

- (XXX) ← BILL OF MATERIAL
- (XXX XXXX) ← BILL OF MATERIAL CONDUCTOR SIZE AND TYPE
- (E) (F) (S) BUS SUPPORT FITTINGS: EXPANSION, FIXED, SLIP

ELECTRICAL DESIGN CLEARANCES

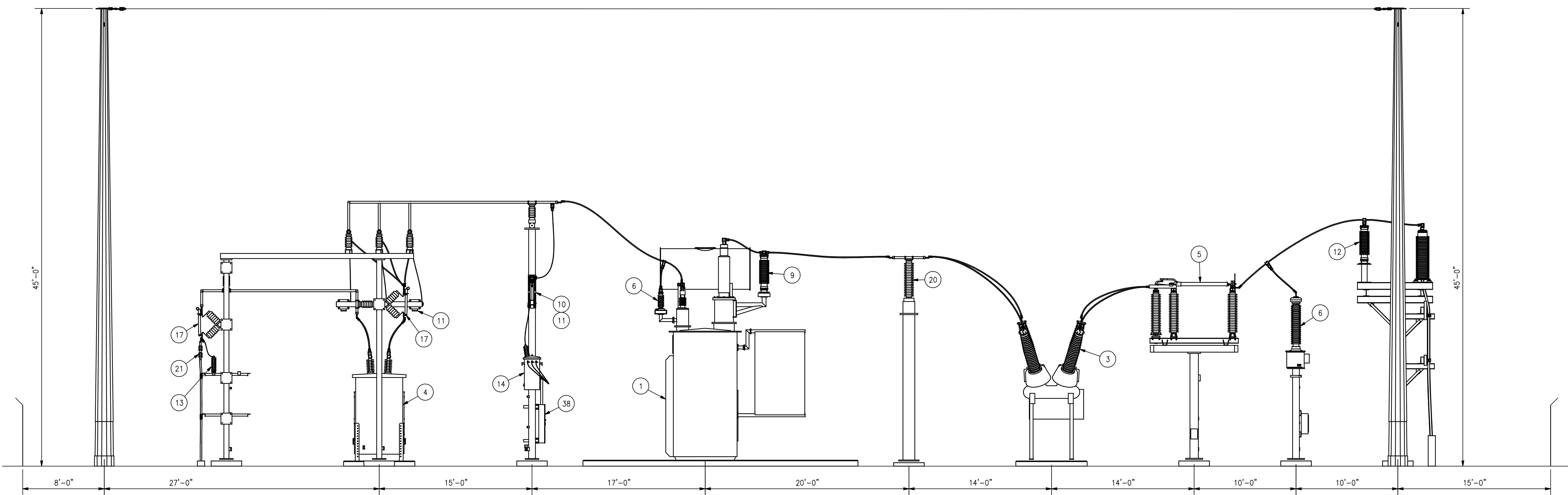
MAX	MINIMUM	MINIMUM
SYSTEM	Ø-G	Ø-Ø
VOLTAGE	34.5kV	1'-3"

200 BIL 3'-0"

NOTES:

1. SEE DRAWING DH1-D-P003-1 FOR SECTION ARROWS.
2. IF THE CONNECTOR IS SUBJECT TO FREEZING AND IS INSTALLED SUCH THAT THE BARREL MAY COLLECT WATER (UPRIGHT POSITION OR IF THE CONDUCTOR IS ENTERING THE FITTING FROM ABOVE), THEN A 1/4" DIAMETER WEEP HOLE SHOULD BE DRILLED FROM THE LOWEST POINT OF THE BARREL INTO THE END OF THE BORE.
3. INSTALLATION OF END CAPS REQUIRED ON ALL RIGID BUS RUNS THAT DO NOT END WITH WELDED TERMINALS.
4. DRILL 1/4" DIAMETER WEEP HOLE AT THE LOWEST POINT OF EACH BUS SECTION FOR DRAINAGE.
5. BUS DAMPER WIRE MUST BE INSTALLED IN ALL BUSES NOTED ON THE DRAWING. BUS DAMPER WIRE SHOULD BE PRE-STRETCHED AND TACK WELDED AT BOTH ENDS INSIDE THE TUBING.
6. ALL CONNECTORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
7. LEVELING NUTS SHALL BE PLACED AS NEAR TO TOP OF CONCRETE AS POSSIBLE. LEVELING DISTANCE SHALL NOT EXCEED 2-1/2" MEASURED FROM TOP OF CONCRETE TO BOTTOM OF BASEPLATE, UNLESS OTHERWISE SPECIFIED. CONTACT ENGINEER ABOUT ANY LEVELING HEIGHTS THAT EXCEED THIS REQUIREMENT.

PRELIMINARY
NOT FOR CONSTRUCTION



BURNS MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114
816-333-9400

date 11/06/19 detailed T. CRAFTON
designed T. CRAFTON checked K. NUGENT

NEXTera ENERGY
RESOURCES

CONNECTICUT
NUTMEG SOLAR
115/34.5kV SUBSTATION
ABOVE GRADE SECTION H-H

project 113040	contract
drawing NM1-D-P004-9	rev A
file NM1-D-P004-9.dwg	

REV	DATE	BY	CKD	DESCRIPTION
A	05/31/19	SVD	KPN	IFR - 30% DESIGN
B	11/06/19	TMC	KPN	LIGHTNING MAST ADDITION

PRELIMINARY
NOT FOR CONSTRUCTION

NOTES:

1. IF THE CONNECTOR IS SUBJECT TO FREEZING AND IS INSTALLED SUCH THAT THE BARREL MAY COLLECT WATER (UPRIGHT POSITION OR IF THE CONDUCTOR IS ENTERING THE FITTING FROM ABOVE), THEN A 1/4" DIAMETER WEEP HOLE SHOULD BE DRILLED FROM THE LOWEST POINT OF THE BARREL INTO THE END OF THE BORE.

2. DRILL 1/4" DIAMETER WEEP HOLE AT THE LOWEST POINT OF EACH BUS SECTION FOR DRAINAGE.

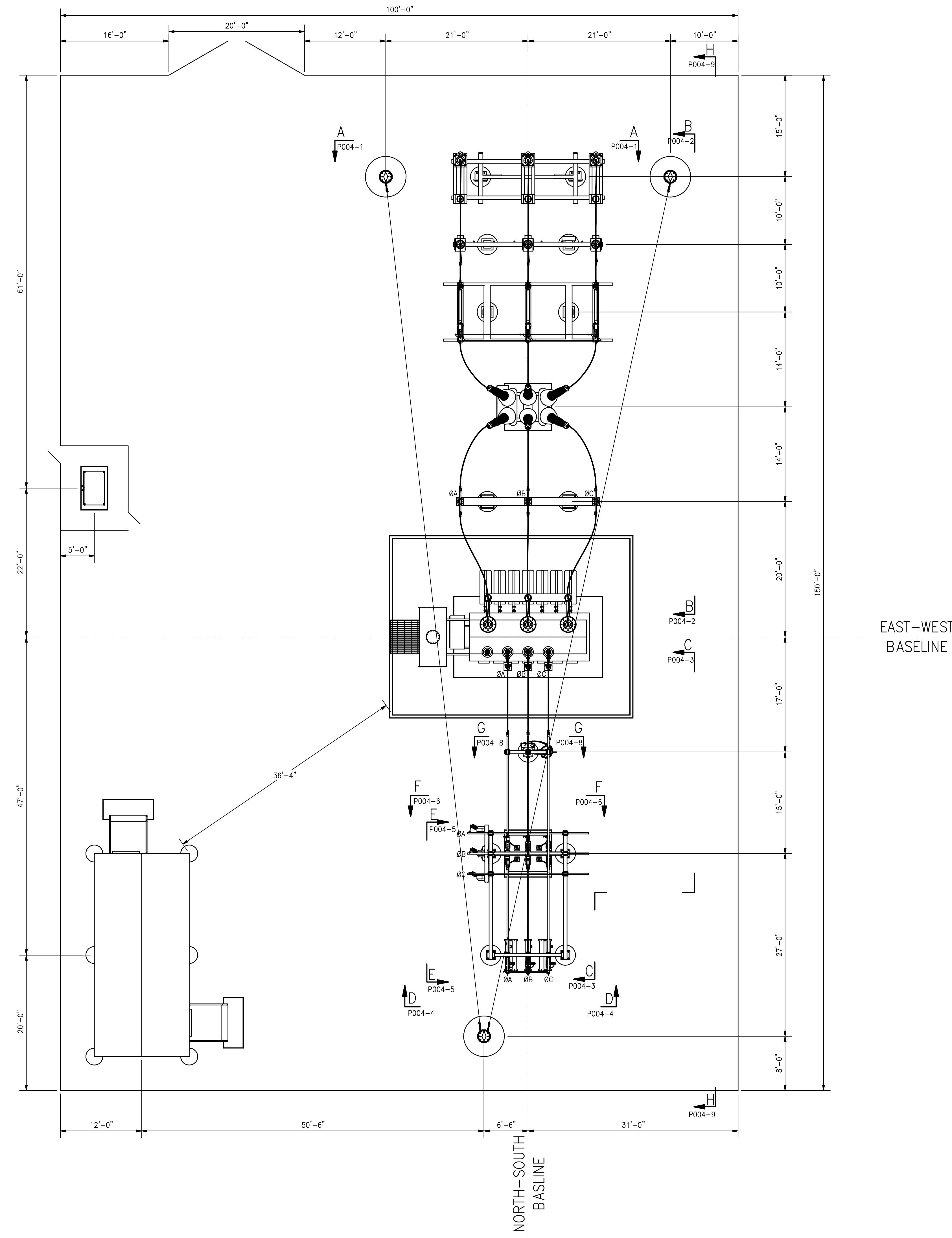
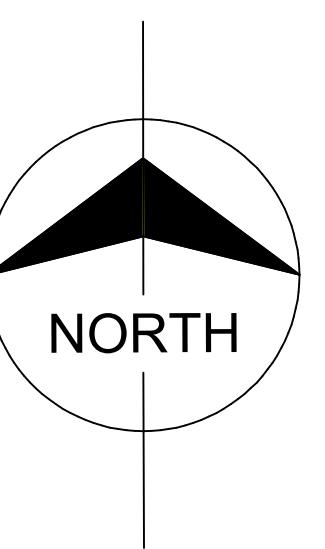
3. BUS DAMPER TO BE INSTALLED IN ALL BUSSSES NOTED ON THE DRAWING. BUS DAMPER WIRE SHOULD BE PRE-STRETCHED AND TACK WELDED AT BOTH ENDS INSIDE THE TUBING.

LEGEND

↑ X ← INDICATES SECTION LETTER
P00X-X ← INDICATES DRAWING NUMBER

E F S BUS SUPPORT FITTINGS: EXPANSION, FIXED, SLIP

ELECTRICAL DESIGN CLEARANCES		
MAX SYSTEM VOLTAGE	MINIMUM	MINIMUM
34.5kV	θ-G	θ-θ
200 BIL	1'-3"	3'-0"
115kV	3'-5"	7'-0"
550 BIL		



BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114
816-333-9400

date 11/06/19 detailed T. CRAFTON
designed T. CRAFTON checked K. NUGENT

NEXTera ENERGY
RESOURCES

CONNECTICUT
NUTMEG SOLAR
115/34.5kV SUBSTATION
GENERAL ARRANGEMENT PLAN

project 113040 contract

drawing NM1-D-P003-1 rev

file NM1-D-P003-1.dwg

A