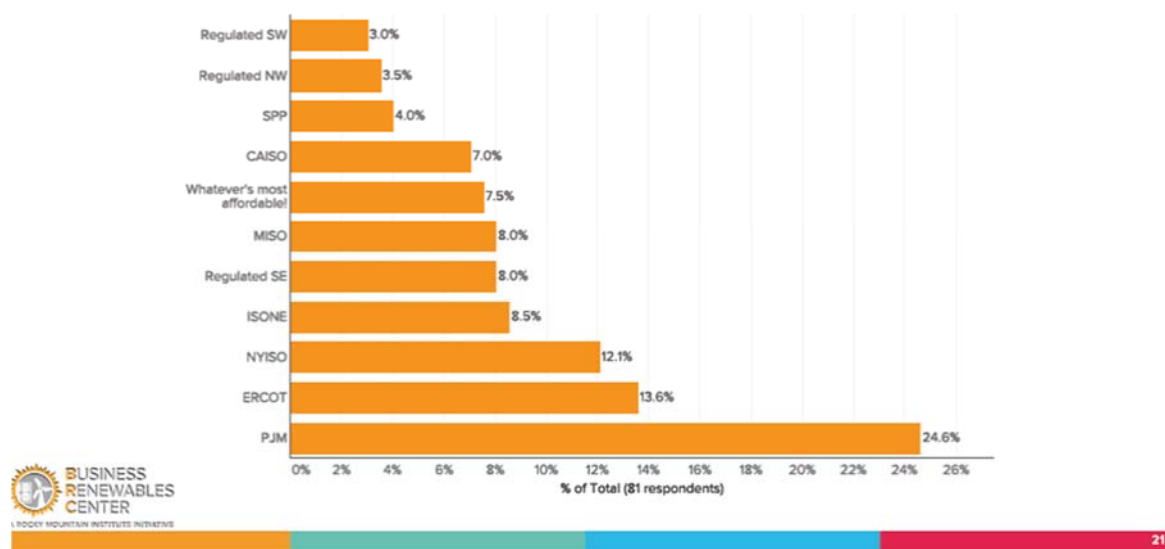


Schedule 4

Renewables Offtake Projections

Buyers only: In the next year, what 3 regions are you most interested in procuring renewables?



Source: Business Renewables Center

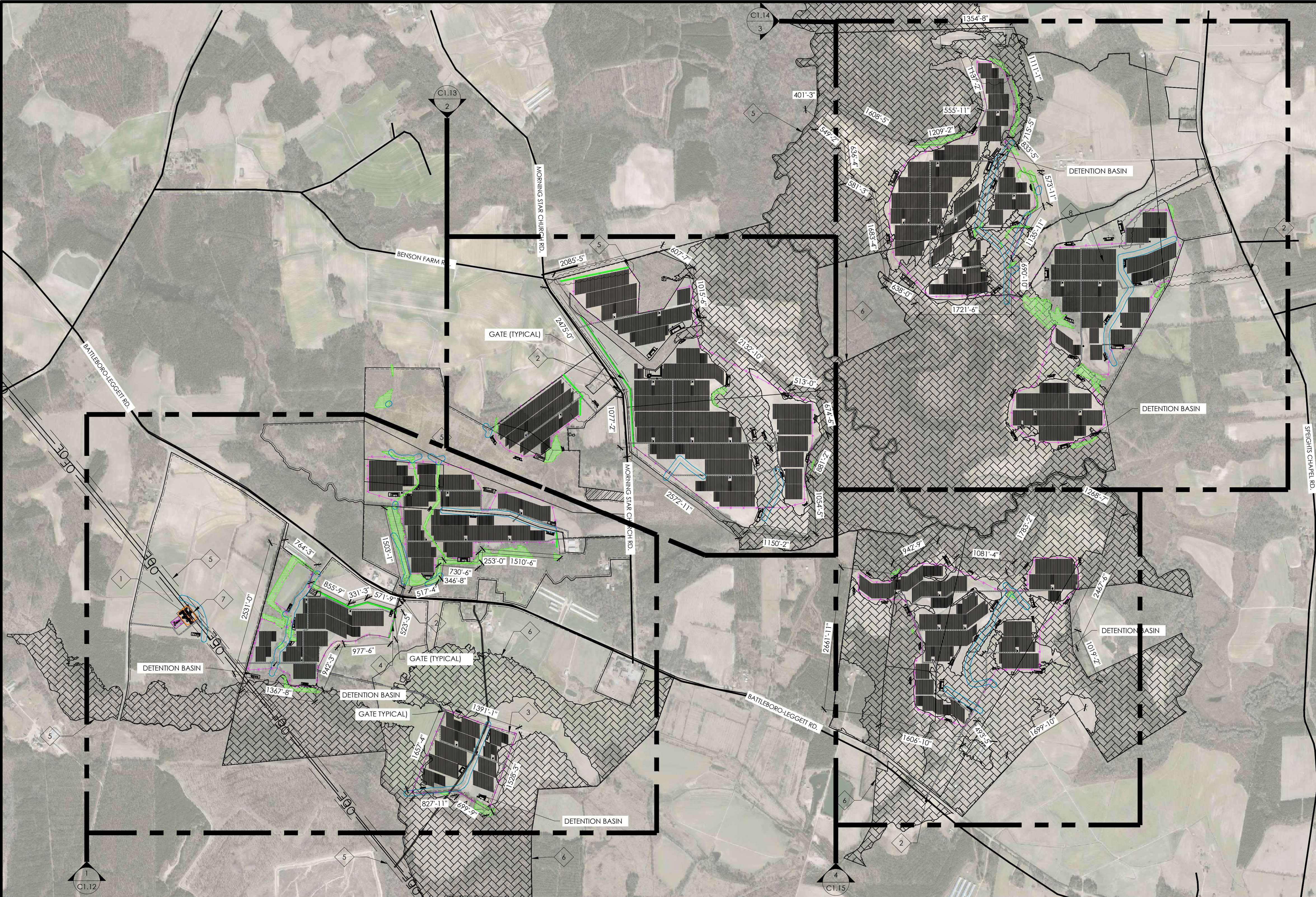
Schedule 5

Estimated Construction Costs

****CONFIDENTIAL****

Schedule 6

Site Plan



PROJECT SITE DESCRIPTION

- 1. TOTAL PROPERTY AREA = 1235.42 ACRES
- 2. TOTAL FENCED AREA = 960.71 ACRES
- 3. LATITUDE = 36.005031°
- 4. LONGITUDE = -77.713117°
- 5. ELEVATION = 83 FT

PROJECT DESIGN DATA

- 1. DC SYSTEM SIZE = 151,501.28 kW
- 2. AC SYSTEM SIZE = 100,000.00 kW
- 3. DC:AC RATIO = 1.515
- 4. INTERCONNECTION VOLTAGE = 115 kV
- 5. INTERCONNECTING UTILITY: DOMINION
- 6. DRY BULB LOW TEMP = -10 °C
- 7. SNOW LOAD = 15 psf
- 8. WIND SPEED = 92 mph
- 9. SEISMIC LOAD: Ss = 0.157g; S1 = 0.065g
- 10. OCCUPANCY CATEGORY = I
- 11. WIND IMPORTANCE FACTOR = 0.87
- 12. PITCH = 16.04°
- 13. INTER-ROW SPACING = 9.63'
- 14. GCR = 40%

MAJOR EQUIPMENT AND QTY.

- 1. MODULE: (415,072) TRINA TSM-365PE14A(III), 365W
- 2. INVERTER: (41) SMA SC2750-EV
- 3. TRANSFORMER: (41) 2.75MVA, 34.5kV-600V
- 4. RACKING: ATI DURATRACK V3
- 5. EQUIPMENT 5:

KEYNOTES

- 1. POINT OF INTERCONNECTION
- 2. SITE ACCESS
- 3. SETBACKS - SEE NOTES FOR DETAILS
- 4. LANDSCAPE BUFFER - 20 FEET
- 5. AVOIDED AREAS - UTILITY EASEMENT, JURISDICTIONAL WATER
- 6. FEMA FLOOD ZONE
- 7. PROJECT SUBSTATION
- 8. TYP. TRANSFORMER BLOCK

LEGEND

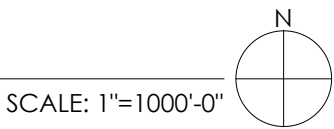
- PROPERTY LINE
- PROPERTY SETBACK
- LEASE LINE
- EASEMENT
- 6' 3 STRAND BARBED WIRE CHAIN LINK FENCE
- 20' WIDE, GRAVEL ACCESS ROAD
- LANDSCAPE BUFFER
- DETENTION BASIN
- EXISTING ROAD
- OE OVERHEAD UTILITY LINE
- CREEK
- CREEK BUFFER
- DO NOT DISTURB
- WETLANDS
- FEMA ZONE

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TABLES

SYSTEM	ATTACHMENT	MODULE (W)		MODULE QTY	AZIMUTH	TILT	STRINGS OF 28	POWER (kW-DC)	POWER (kW-AC)	POWER @ POI (kW-AC)	DC:AC	INVERTER
A	SINGLE-AXIS TRACKER	TBD	365	415072	180°	-	14824	151501.28	112750	100000.00	1.52	(41) SMA SC2750-EV



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SITE INFORMATION

FERN SOLAR
MORNING STAR CHURCH ROAD,
BATTLEBORO, NC, USA

PROJECT MANAGER

BEN LINDERMEIER
949.398.3915

PROJECT ENGINEER

DANIEL HARSAADI
949.398.3915

NO.	ISSUE	DATE
1	CUP SUBMITTAL	05.15.18
2	REV 1	06.01.18
3	REV 2	06.13.18
4	REV 3	06.29.18

PROJECT NUMBER	USA.ACQ.0196
DRAWN BY	LR
REVIEWED BY	AK
APPROVED BY	DC

CLIENT SIGNATURE

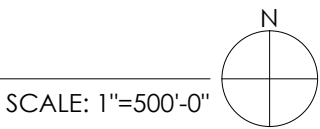
SITE
IMPROVEMENTS
PLAN

DRAWING
NUMBER PV-C1.10

SHEET SIZE: ARCH D - 24" x 36"



1 | GENERAL ARRANGEMENT 1



Docket No. E-104, Sub 0

KEYNOTES

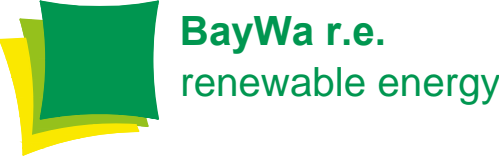
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- 5 TYP. TRANSFORMER BLOCK
- 6 PROJECT SUBSTATION

LEGEND

- EQUIPMENT PAD
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- PROPERTY SETBACK
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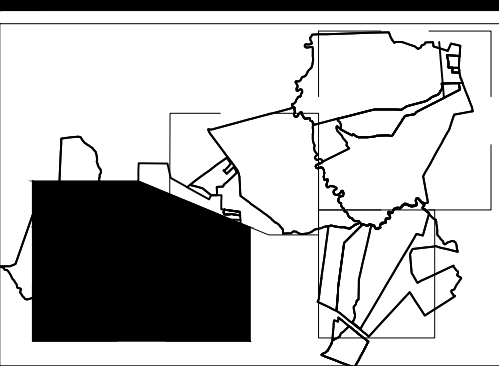
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GENERAL
ARRANGEMENT
PLAN-1

DRAWING
NUMBER
PV-C1.12

SHEET SIZE: ARCH D - 24" x 36"



KEYNOTES

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LEGEND

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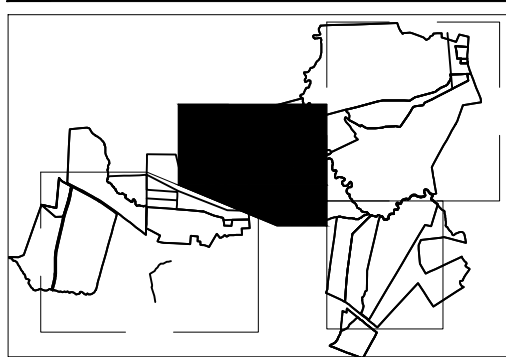
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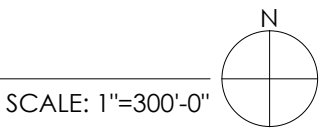
PROJECT NUMBER	USA.ACQ.0196
DRAWN BY	LR
REVIEWED BY	AK
APPROVED BY	DC

CLIENT SIGNATURE

GENERAL
ARRANGEMENT
PLAN-2

DRAWING
NUMBER **PV-C1.13**

SHEET SIZE: ARCH D - 24" x 36"





KEYNOTES

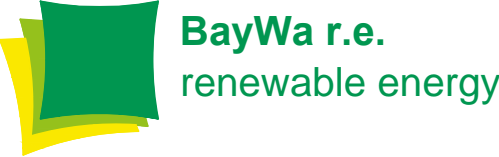
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LEGEND

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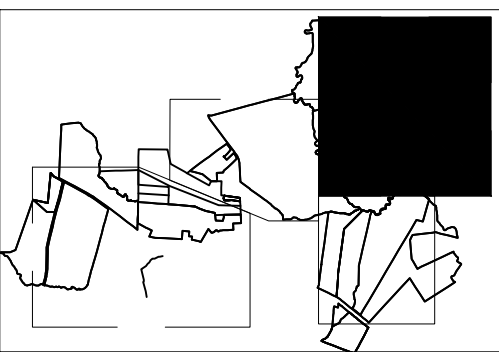
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GENERAL
ARRANGEMENT
PLAN-3

DRAWING
NUMBER PV-C1.14

SHEET SIZE: ARCH D - 24" x 36"



KEYNOTES

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LEGEND

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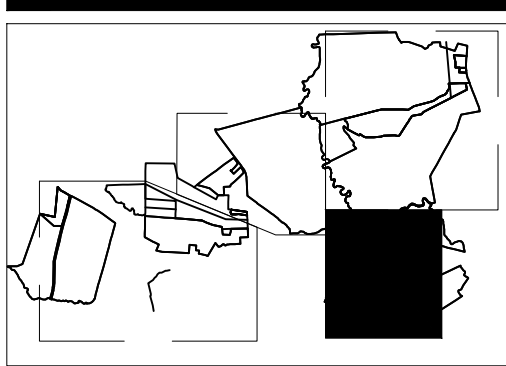
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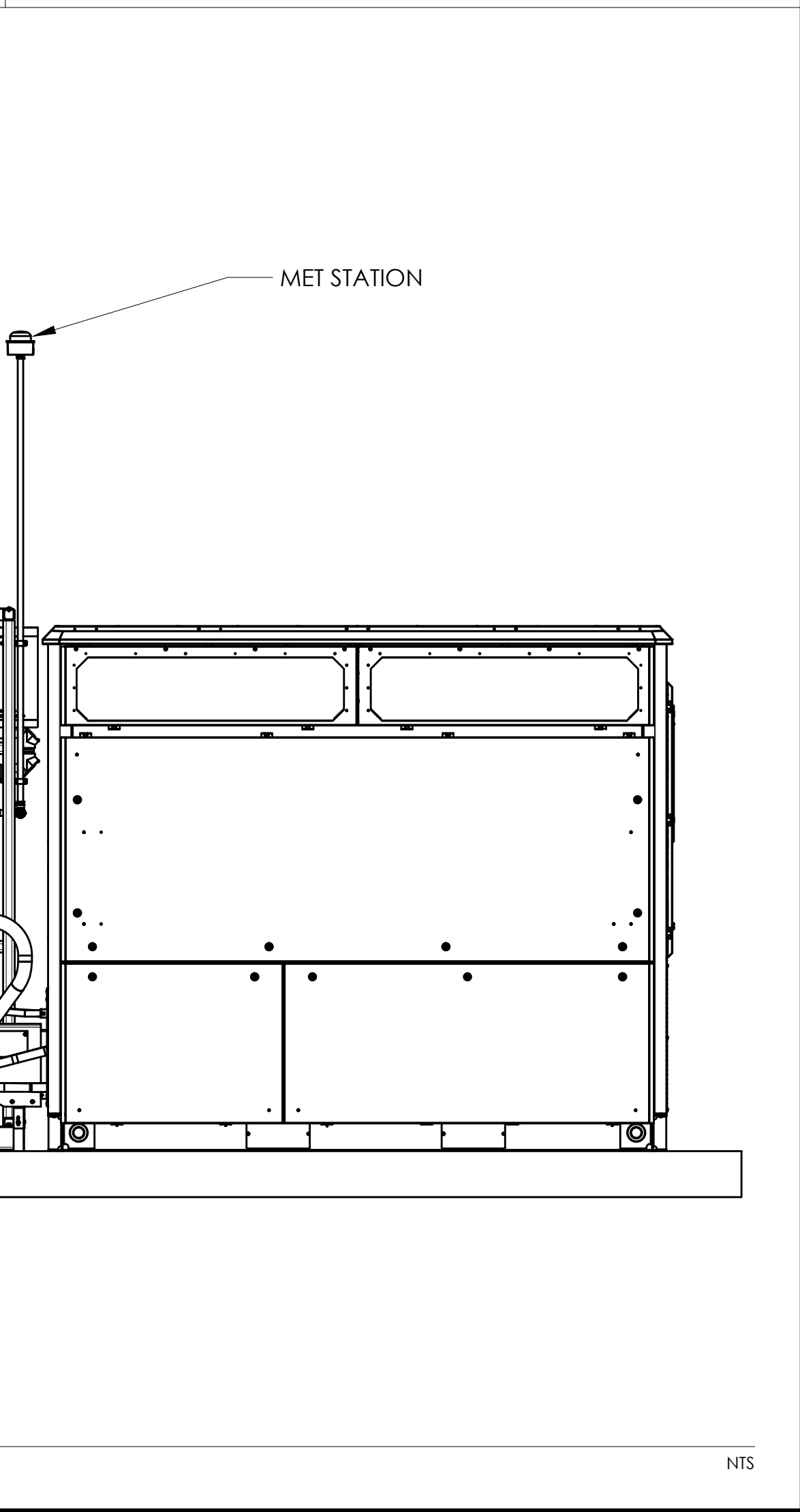
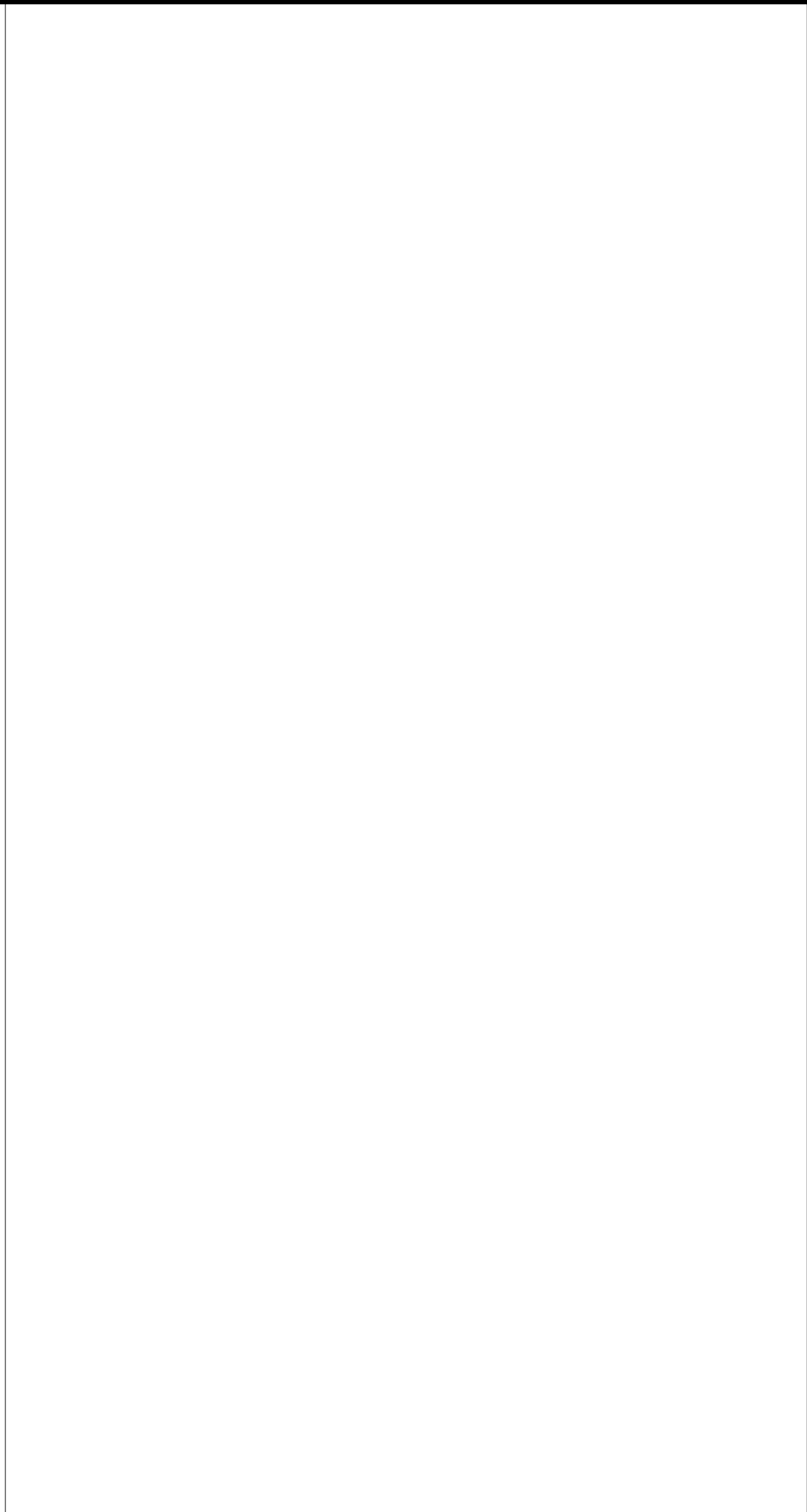
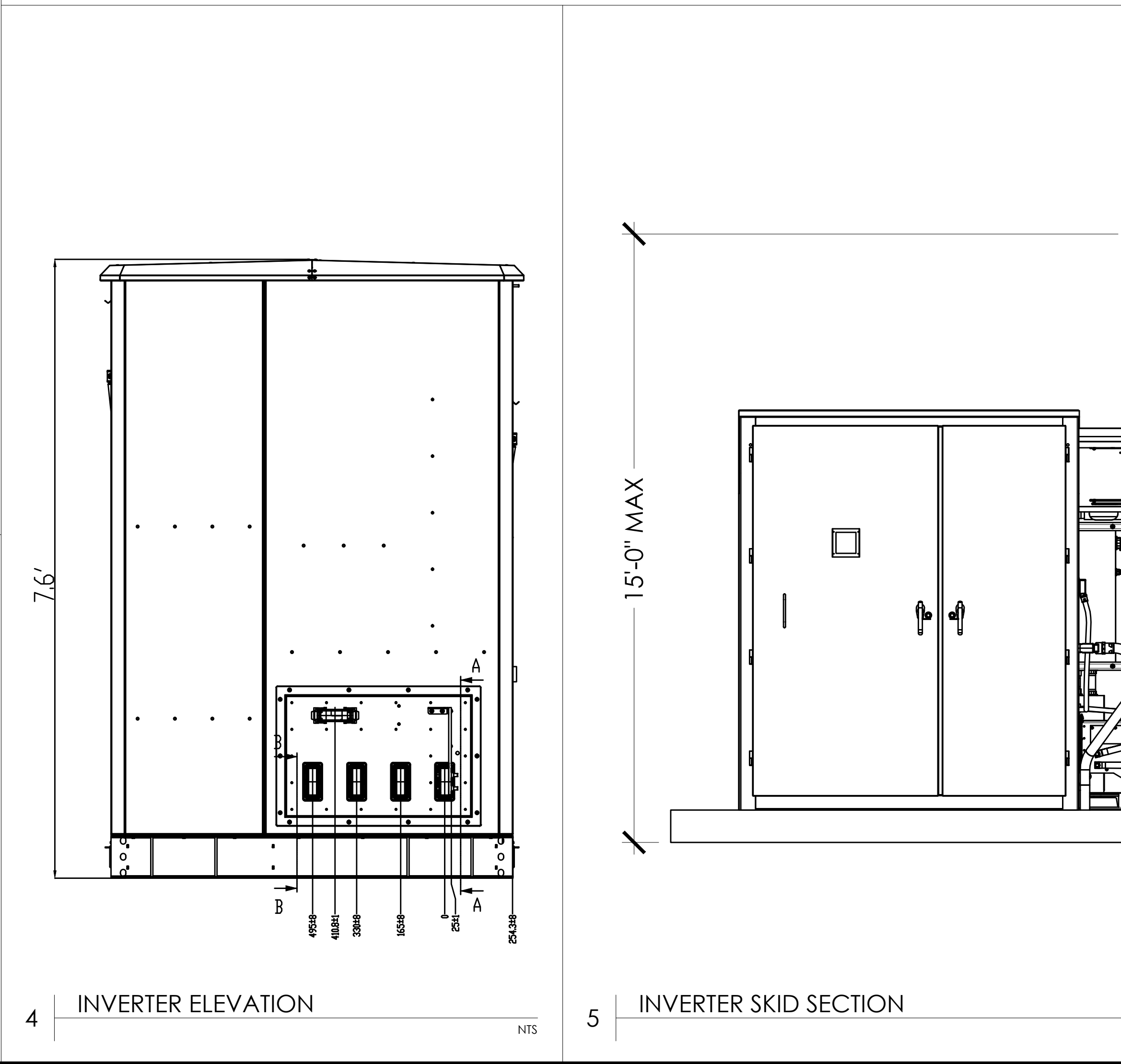
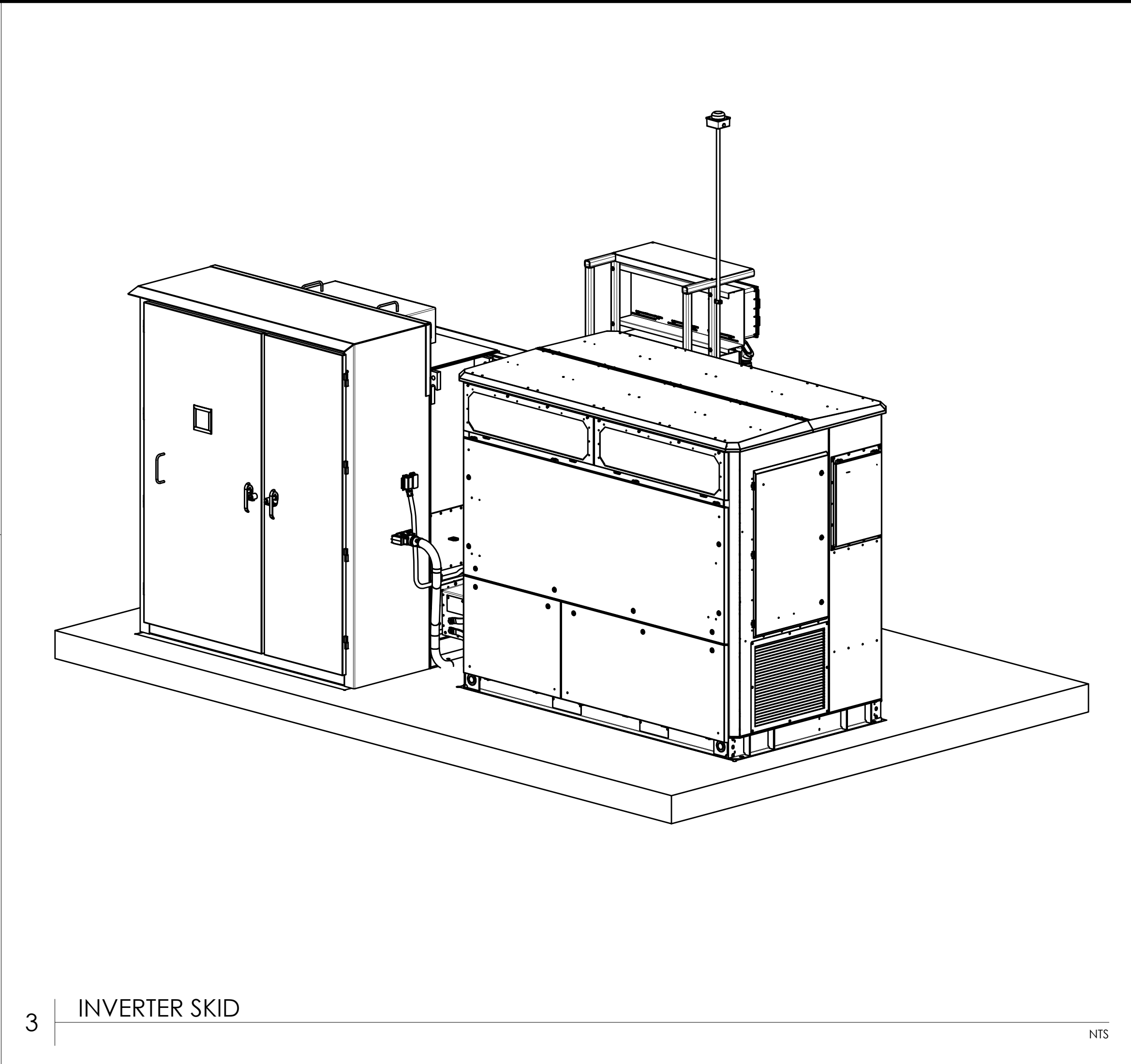
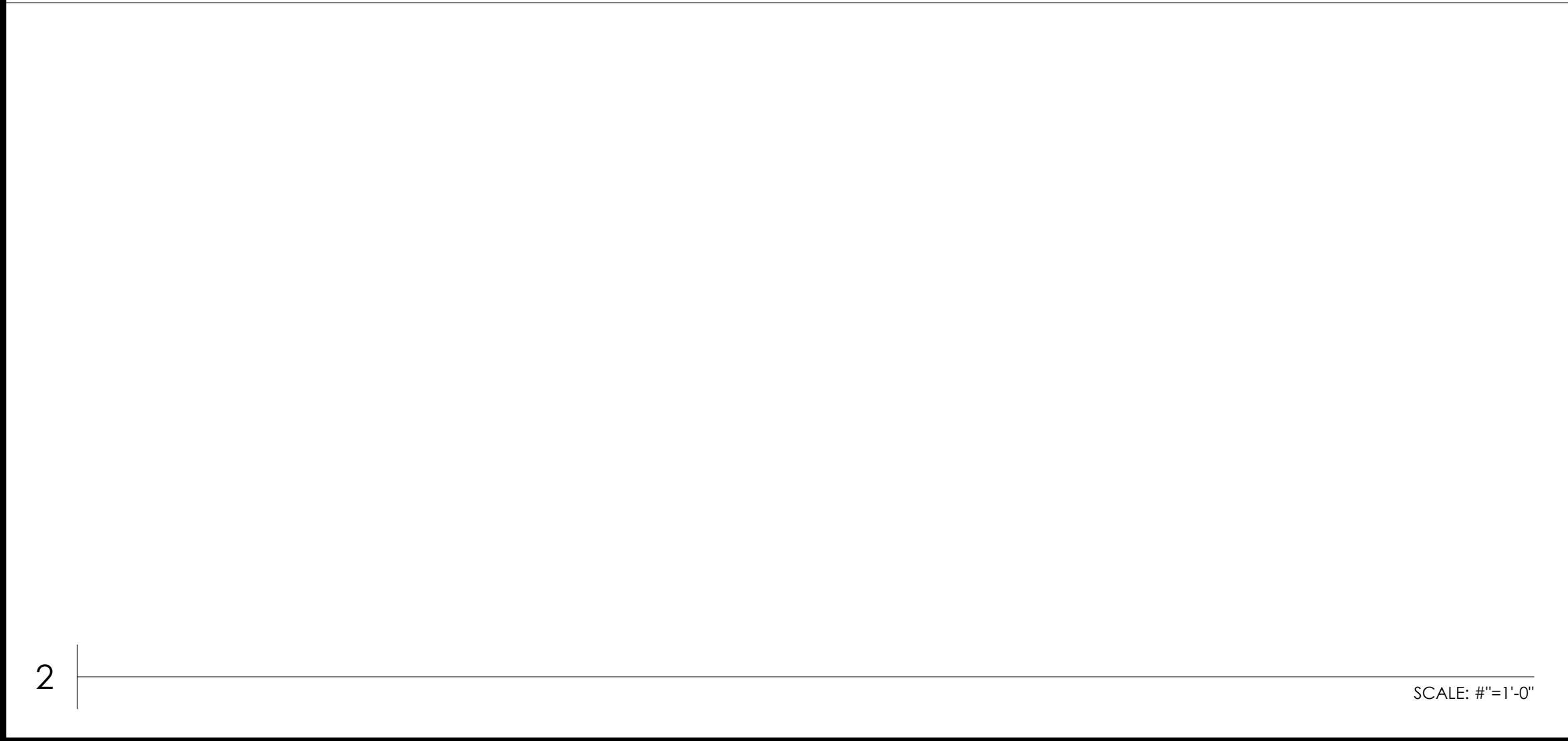
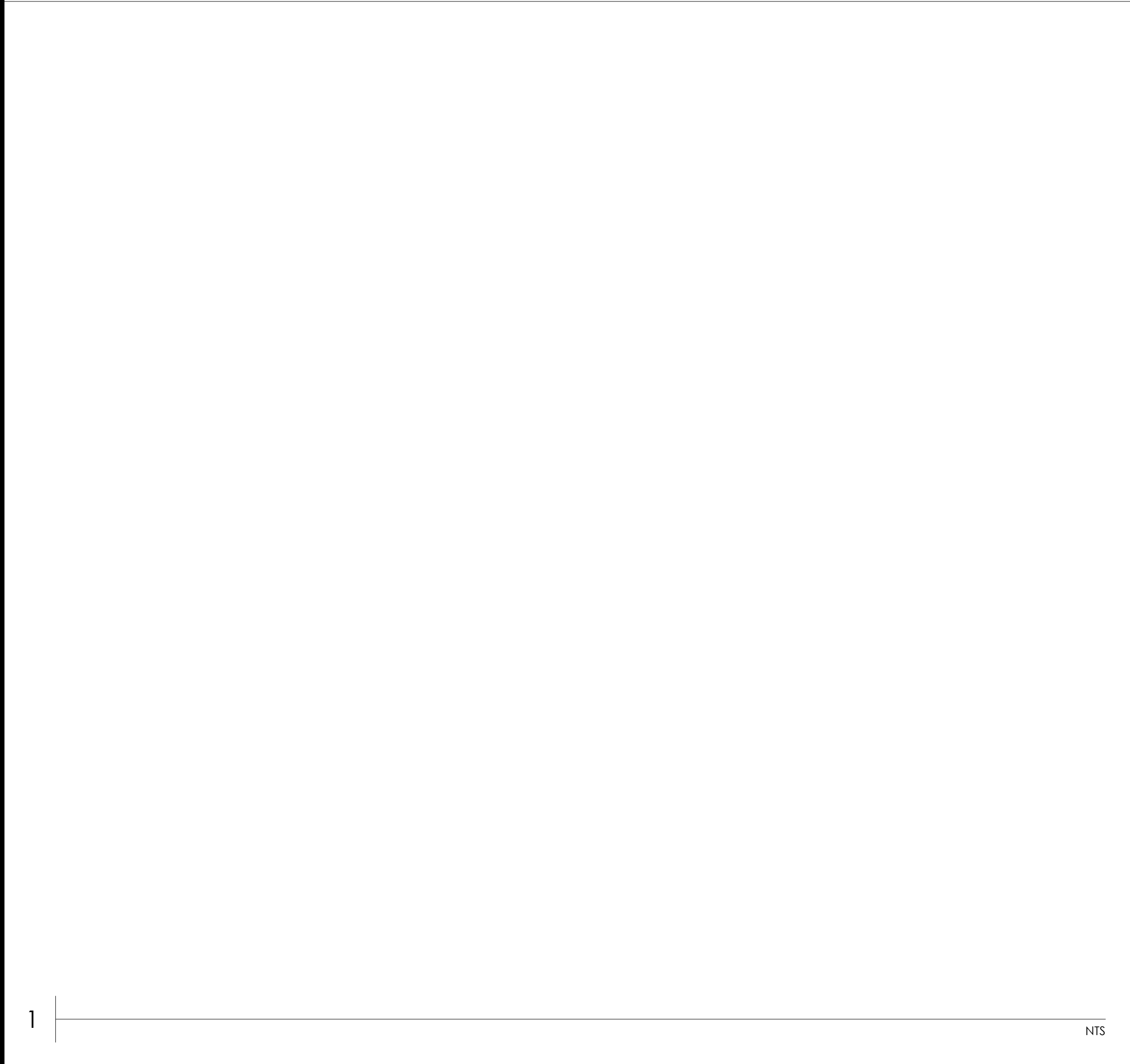
PROJECT NUMBER	USA.ACQ.0196
DRAWN BY	LR
REVIEWED BY	AK
APPROVED BY	DC

CLIENT SIGNATURE

GENERAL
ARRANGEMENT
PLAN-4

DRAWING
NUMBER PV-C1.15

SHEET SIZE: ARCH D - 24" x 36"



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PROJECT NUMBER

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DRAWN BY

LR

REVIEWED BY

AK

APPROVED BY

DC

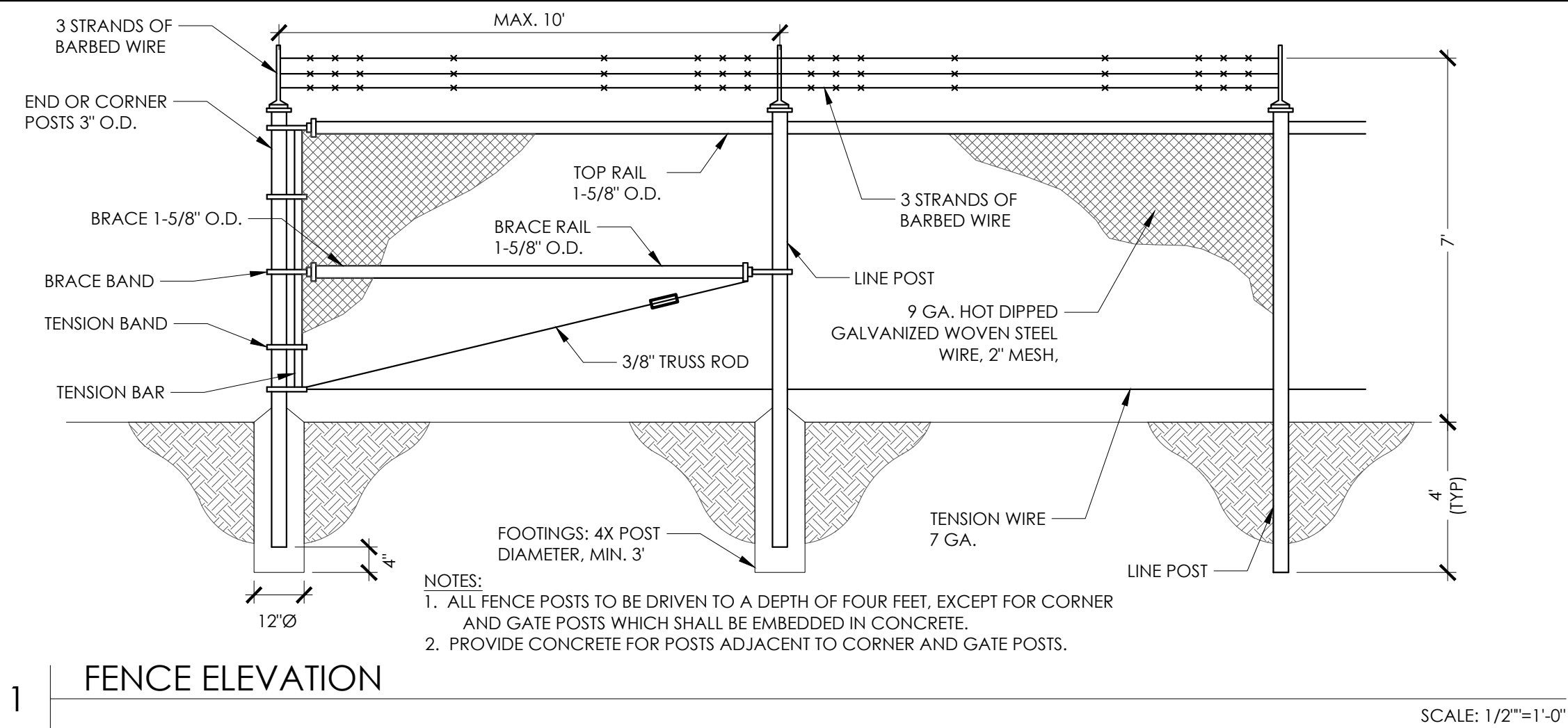
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INVERTER PLAN

DRAWING NUMBER

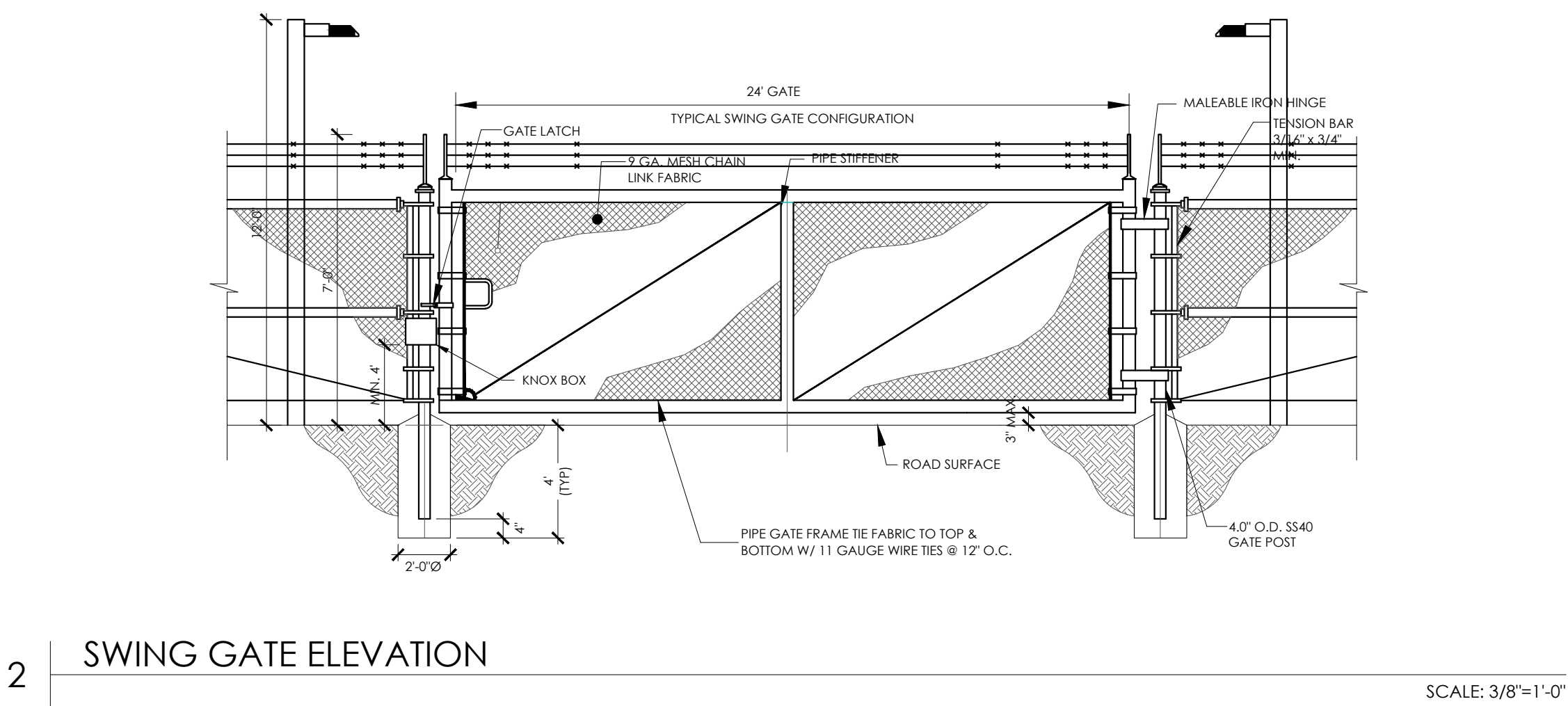
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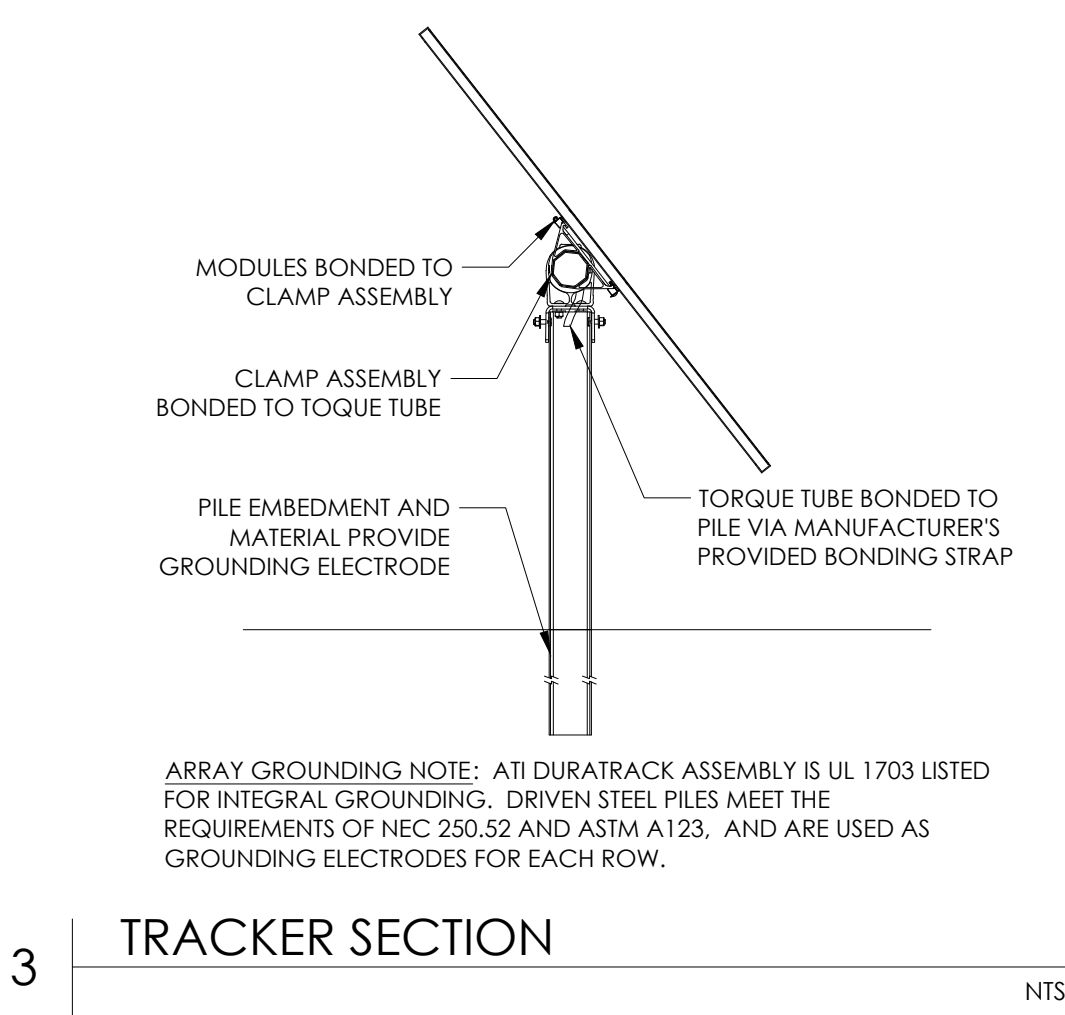
1 FENCE ELEVATION

SCALE: 1/2"=1'-0"



2 SWING GATE ELEVATION

SCALE: 3/8"=1'-0"

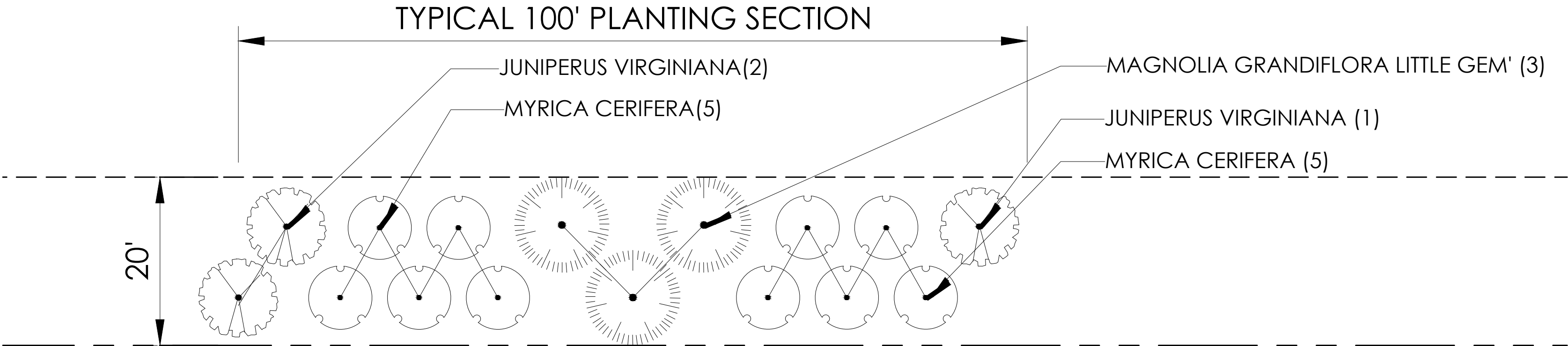


3 TRACKER SECTION

NTS

4

SCALE: #\"/>



7 LANDSCAPE BUFFER

NTS

NTS

SCALE: NTS

GENERAL STRUCTURAL NOTES:

- THE WORDS "THE STRUCTURAL ENGINEER" AS USED IN THESE NOTES REFER TO A REPRESENTATIVE OF TBD.
- THE GENERAL CONTRACTOR SHALL BECOME FAMILIAR WITH ALL EXISTING SITE CONDITIONS AND WITH DESIGN DOCUMENTS PROVIDED BY THE VARIOUS DESIGN PROFESSIONALS INVOLVED IN THIS PROJECT.
- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DETAILS AND SPATIAL RELATIONSHIPS SHOWN ON THESE DRAWINGS IN CONJUNCTION WITH ALL OTHER RELATED DESIGN DRAWINGS. ANY DISCREPANCIES, CONFLICTS OR OMISSIONS FOUND SHALL BE REPORTED TO THE ENGINEER AND OTHER DESIGN PROFESSIONALS AS APPROPRIATE FOR RESOLUTION PRIOR TO PROCEEDING WITH ANY WORK ON THE PROJECT.
- ALL WORK SHALL COMPLY WITH THE LATEST INTERNATIONAL BUILDING CODE AND ALL STATE AND LOCAL CODES.
- ANY TESTING OR INSPECTION REQUIRED BY BUILDING OFFICIALS OR THE PROJECT DRAWINGS OR SPECIFICATIONS SHALL BE PERFORMED BY AN APPROVED INDEPENDENT TESTING LABORATORY.
- OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NEITHER BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.
- THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLIANCE WITH OSHA AND BAYWA R.E.
- THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR BRACING AND SHORING ALL EXCAVATIONS, DEWATERING OF EXCAVATION FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE, TEMPORARY AND EXISTING STRUCTURES, AND PARTIALLY COMPLETED PORTIONS OF THE WORK TO ASSURE THE SAFETY OF ANY PERSON COMING IN CONTACT WITH THE WORK.
- ALL A.S.T.M. SPECIFICATIONS NOTED ON THE DRAWINGS SHALL BE AS AMENDED TO DATE.
- UNLESS CALLED OUT AS EXISTING OR NOT-IN-CONTRACT, EVERYTHING SHOWN ON THESE DRAWINGS SHALL BE PROVIDED AND INSTALLED AS PART OF THE WORK OF THE PROJECT.
- THE GENERAL CONTRACTOR SHALL REVIEW ALL SUBMITTALS INCLUDING SHOP DRAWINGS AND VERIFY CORRECTNESS OF THEM PRIOR TO SUBMISSION TO STRUCTURAL ENGINEER AND BAYWA R.E.
- GENERAL CONTRACTOR SHALL COPY BAYWA R.E. ON ALL CORRESPONDENCE WITH STRUCTURAL ENGINEER.

CONCRETE NOTES:

- CONCRETE SHALL BE REGULAR WEIGHT WITH HARDROCK AGGREGATES, UNLESS OTHERWISE NOTED.
- CEMENT SHALL CONFORM TO A.S.T.M. C-150 TYPE II.
- AGGREGATES SHALL CONFORM TO A.S.T.M. C-33 WITH PROVEN SHRINKAGE CHARACTERISTIC OF LESS THAN -.04%.
- CONCRETE SHALL BE READY-MIXED PER A.S.T.M. C-94.
- CONCRETE CLASS AND STRENGTH SHALL BE AS NOTED AS FOLLOWS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING CONCRETE MIX DESIGNS WHICH CONFORM TO THE CLASS AND STRENGTH REQUIREMENTS. SUBMIT ONE COPY OF MIX DESIGNS TO ENGINEER FOR APPROVAL PRIOR TO CONCRETE PLACEMENT.

CONCRETE CLASS	ALL CONCRETE
MAXIMUM AGGREGATE SIZE	1"
MINIMUM SACKS PER YARD	5.0
MAXIMUM WATER/CEMENT RATIO	0.54
SLUMP	4" +/- 3/4"
28 DAYS COMPRESSIVE STRENGTH	3000 PSI
AIR ENTRAINED	5-7% AIR
- ONLY ONE CLASS AND STRENGTH OF CONCRETE SHALL BE POURED ON THE JOB AT ONE TIME.
- SUBMIT ONE COPY OF RESULTS OF 7-DAY AND 30-DAY COMPRESSIVE-STRENGTH CONCRETE TESTING.
- ALL REINFORCING STEEL, ANCHOR BOLTS AND SLEEVES SHALL BE PLACED AND SECURED IN POSITION PRIOR TO POURING CONCRETE.
- ALL OPENINGS FOR ELECTRICAL AND MECHANICAL ELEMENTS SHALL BE FORMED WITH SLEEVES PRIOR TO POURING CONCRETE. CORING SHALL NOT BE ALLOWED WITHOUT THE ENGINEER'S APPROVAL.
- MINIMUM CONCRETE COVER SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

SLAB ON GRADE.....	CENTER
CAST AGAINST EARTH.....	3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER.....	2"
FORMED CONCRETE NOT EXPOSED TO EARTH OR WEATHER.....	1-1/2"
BEAMS AND COLUMNS PRIMARY REINFORCING.....	1-1/2"
BEAMS AND COLUMNS STIRRUPS AND TIES.....	1"
- CURE ALL EXPOSED CONCRETE SURFACES WITH LIQUID MEMBRANE-FORMING CURING COMPOUND CONFORMING TO A.S.T.M. C-309, TYPE 1, CLASS A OR OTHER APPROVED CURING METHOD IMMEDIATELY AFTER PLACING CONCRETE WHERE PLACEMENT OCCURS IN TEMPERATURES OVER 90°F OR IN WINDY CONDITIONS. CONTRACTOR SHALL TAKE ADDITIONAL MEASURES TO INSURE PROPER CONCRETE CURING. IF CONTROL JOINT SAW-CUTTING TAKES PLACE AFTER APPLICATION OF CURING COMPOUND, RE-APPLY CURING COMPOUND TO SAWCUTS.
- CONTRACTOR IS RESPONSIBLE TO FILL AND REPAIR CRACKS AS DETERMINED BY STRUCTURAL ENGINEER OF RECORD OR CERTIFIED AGENT.

STRUCTURAL STEEL NOTES:

- ALL STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A36 UNLESS OTHERWISE NOTED.
- ALL STRUCTURAL WIDE FLANGE BEAMS, GIRDERS & COLUMNS SHALL CONFORM TO A.S.T.M. A992 Fy = 50KSI.
- STEEL PIPE COLUMNS SHALL CONFORM TO A.S.T.M. A501, Fy = 36 KSI OR A.S.T.M. A53, TYPES E OR S, GRADE B, Fy = 35 KSI.
- STRUCTURAL TUBE STEEL SHALL CONFORM TO A.S.T.M. A500, GRADE B, Fy = 46 KSI.
- BOLTS SHALL CONFORM TO A.S.T.M. A325 UNLESS OTHERWISE NOTED.
- DIAMETER OF BOLT HOLES IN STEEL SHALL BE 1/16" LARGER THAN THE BOLT SIZE UNLESS OTHERWISE NOTED.
- ALL WELDS SHALL BE IN CONFORMITY WITH THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY. ALL STRUCTURAL WELDING SHALL USE THE SHIELDED METAL ARC WELDING PROCESS WITH E70XX ELECTRODES. USE LOW HYDROGEN ELECTRODES FOR BOLTS AND REINFORCING BARS.
- ANCHOR BOLTS AND THREADED RODS SHALL CONFORM TO EITHER A.S.T.M. A307 OR A36 UNLESS OTHERWISE NOTED.
- FABRICATION AND ERECTION SHALL COMPLY WITH A.I.S.C. SPECIFICATIONS, AS REVISED TO DATE.
- SUBMIT SHOP DRAWINGS FOR REVIEW BY THE ENGINEER PRIOR TO FABRICATION.
- VERIFY ALL DIMENSIONS WITH ELECTRICAL AND MECHANICAL DRAWINGS. COORDINATE ANY CONFLICTS BEFORE PROCEEDING.
- STEEL BEAMS SHALL BE PLACED WITH MILL CAMBER UPWARD.

DESIGN CRITERIA NOTES:

- 2012 INTERNATIONAL BUILDING CODE

PROPERTY LINE SETBACK AND BUFFER NOTES:

- 100' MINIMUM SETBACK FROM EQUIPMENT TO SURROUNDING RESIDENTIAL DWELLINGS.
- 30' FROM FRONT OF PROPERTY; 12' FROM SIDE OF PROPERTY; 25' FROM REAR OF PROPERTY ON AGRICULTURALLY-ZONED LAND.
- CANNOT IMPAIR ANY SITE DISTANCES FOR SAFE ACCESS TO AND FROM PROPERTY OR NEIGHBORING PROPERTIES.



BayWa r.e. Solar Projects LLC

17901 Von Karman Ave, Suite 1050
Irvine, CA 92614
Phone: 949.398.3915 | Fax: 949.398.3914
www.baywa-re.us



Greenex Solar

1910 Abbott Street, Ste 200
Charlotte, NC 28203
Phone: 980-237-7926
www.greenexsolar.com

SITE INFORMATION

FERN SOLAR
MORNING STAR CHURCH ROAD,
BATTLEBORO, NC, USA

PROJECT MANAGER

BEN LINDERMEIER
949.398.3915

PROJECT ENGINEER

DANIEL HARSAADI
949.398.3915

NO.	ISSUE	DATE
1	CUP SUBMITTAL	05.15.18
2	REV 1	06.01.18
3	REV 2	06.13.18
4	REV 3	06.29.18

PROJECT NUMBER USA-ACQ.0196

DRAWN BY LR

REVIEWED BY AK

APPROVED BY DC

CLIENT SIGNATURE

STRUCTURAL DETAILS

DRAWING NUMBER PV-C3.03

SHEET SIZE: ARCH D - 24" x 36"

Schedule 7
Special Use Permit

OFFICIAL COPY

Nov 27 2018

APPROVAL OF SPECIAL USE PERMIT COUNTY OF EDGEcombe

On the date(s) listed below, the Board of Commissioners of the County of Edgecombe met and held an evidentiary hearing to consider the following application.

Applicant: Fern Solar, LLC

Permit #: 18-SUP-47

PIN: Property Location: 3882-32-3627, 3882-61-7569, 3882-54-9599, 3882-66-1224, 3882-65-4387, 3882-45-6898, 3882-45-6499, 3882-66-9501, 3882-77-4399, 3893-52-1218, 3882-77-8095, 3882-98-0552, 3892-15-8962, 3892-59-1518, 3892-32-2849, 3892-31-9482, 3892-43-2498, 3892-48-8151, 3892-53-5188, 3892-62-8026, 3892-83-0202, 3892-67-7234, 3882-13-0975

Proposed use of property: SOLAR ENERGY SYSTEM

Meeting date(s): August 6, 2018 & September 4, 2018

Having heard all the evidence and arguments presented at the hearing, the Board makes the following findings:

1. That the requested use is within the jurisdiction of the Board according to the Table of Permitted Uses.
2. The above referenced property is currently zoned AR-30 which permits Solar Energy Systems.
3. That the Special Use Permit Application is complete.
4. That if completed as proposed, the use will comply with all of the applicable requirements of the Unified Development Ordinance.
5. That the proposed use will not materially endanger the public health or safety.
6. That the proposed use will not substantially injure the value of adjoining or abutting property.
7. That the proposed use will be in harmony with the area in which it is to be located.
8. That the proposed use will be in general conformity with the land development plan or other plans adopted by the County.

Therefore the application to make use of the above-described property for the purpose indicated is hereby approved, subject to all applicable provisions of the Unified Development Ordinance, Solar Energy Development Ordinance, and the following conditions:

1. The applicant shall complete the development strictly in accordance with the plans submitted to and approved by this Board, a copy of which is filed in the Office of the Zoning Administrator.
2. The required evergreen vegetative buffer shall be carefully planted and maintained in good condition until the solar energy system is decommissioned and removed from the parcel or parcels of land on which it is constructed.
3. If any of the conditions affixed hereto or any part thereof shall be held invalid or void, then this permit shall be void and of no effect.
4. If the recording of a special use permit is required by the Board of Commissioners as a condition of approval, nothing authorized by the permit may be done until the record owner of the property provides documentation that indicates that the permit has been recorded in the Edgecombe County Registry and indexed under the record owner's name as grantor.
5. Other conditions: _____

IN WITNESS WHEREOF, the County has caused this permit to be issued in its name, and the undersigned, being all of the property owners of the property above described, do hereby accept this Special Use Permit, together with all its conditions, as binding on them and their successors in interest.

COUNTY OF EDGECOMBE

Attest:

Kimberly D. Myers

Deputy
Frankie Mungo Kimberly D. Myers
Clerk to the Board

(Seal)

By *Leonard Wiggins*

Leonard Wiggins, Chairman
Edgecombe County Board of Commissioners

Date 9/4/18

BayWa r.e. Solar Projects / William Gulley, owners / representatives of the above identified property, do hereby acknowledge receipt of this Special Use Permit. The undersigned owners do further acknowledge that no work may be done pursuant to this permit except in accordance with all of its conditions and requirements and that this restriction shall be binding on them and their successors in interest.

William Gulley

Owner / Representative

Owner / Representative

NORTH CAROLINA
EDGECOMBE COUNTY

I, _____, a Notary Public in and for said State and County, do hereby certify that _____ personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and notarial seal, this the _____ day of _____, 20____.

Notary Public

My Commission Expires:

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of Orange County)

On 10.16.2018 before me, Lisa Nicole Watson, Notary Public

Date

Here Insert Name and Title of the Officer

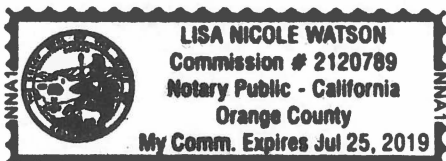
personally appeared William Gullery

Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature

Lisa Watson

Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- ☐ Corporate Officer — Title(s): _____
- ☐ Partner — ☐ Limited ☐ General
- ☐ Individual ☐ Attorney in Fact
- ☐ Trustee ☐ Guardian or Conservator
- ☐ Other: _____

Signer Is Representing: _____

Signer's Name: _____

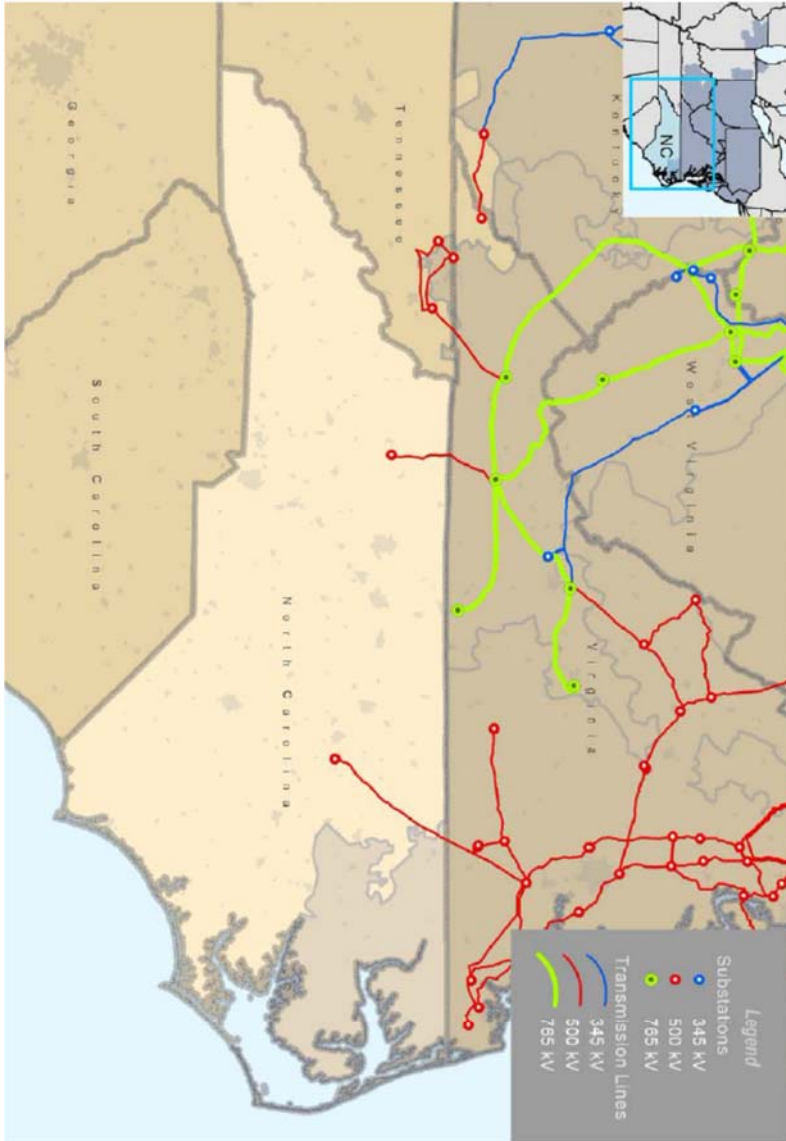
- ☐ Corporate Officer — Title(s): _____
- ☐ Partner — ☐ Limited ☐ General
- ☐ Individual ☐ Attorney in Fact
- ☐ Trustee ☐ Guardian or Conservator
- ☐ Other: _____

Signer Is Representing: _____

Schedule 9

Map of Dominion Virginia Power Territory

Source: PJM



PJM operates bulk electric system facilities (and others monitored at lower voltages), in Northeastern North Carolina including those of Dominion North Carolina Power (DOM). These transmission facilities deliver power to customers from native generation resources and those throughout the RTO – arising out of PJM market operations – as well as power imported interregionally from systems outside PJM.