



Crown Castle
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

June 5, 2024

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

RE: Notice of Exempt Modification for Crown Castle Fiber LLC
Crown Site ID# 876375
53 Westminster Rd., Canterbury, CT 06331
Latitude: 41° 42' 7.15"/ Longitude: -71° 58' 50.11"

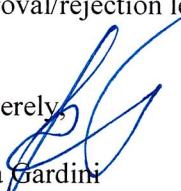
Dear Ms. Bachman:

Crown Castle Fiber LLC proposes to install a fiber cabinet and a backup diesel generator in the compound of the existing 180-foot monopole tower located at 53 Westminster Rd., Canterbury, CT 06331. The property is owned by CROWN CASTLE TOWERS 09 LL and the tower is owned by Crown Castle.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Mike Walsh – Town Manager, Town of Granby, Joel Skilton – Building Official & ZEO, Town of Granby. Pease Martha C & Dalton Sarah P Co-Trust, Property Owner and Crown Castle is the tower owner.

Crown Castle Fiber LLC respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2). Please send approval/rejection letter to Attn: Irina Gardini.

Sincerely,



Irina Gardini
Sr. Permitting Specialist
3470 NW 82nd Ave, 10th Floor
Doral, FL 33122
(786) 610-7030
Irina.Gardini@crowncastle.com



80 CENTRAL STREET
 BOXBOROUGH, MASSACHUSETTS 01719
 PHONE (978) 264-6000



66 Perimeter Center East, Suite 600
 Atlanta, GA 30346
 Tel: 770-379-8500 Fax: 770-375-8501
 www.morrisonhershfield.com

CCF SITE NAME:
 N/A

CCI SITE NAME:
CANTERBURY / LEMIRE

BU#:
876375

SITE ADDRESS:
53 WESTMINSTER ROAD
CANTERBURY, CT 06331

JURISDICTION:
WINDHAM COUNTY

SHEET INDEX

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D-6	EQUIPMENT SPECS
D-7	EQUIPMENT SPECS

SCHEDULE OF REVISIONS

REV. NO.	DATE	DESCRIPTION OF CHANGES
0	05/31/24	ISSUED FOR PERMIT
B	05/31/24	ISSUED FOR CLIENT REVIEW
A	05/02/24	ISSUED FOR CLIENT REVIEW

DRAWN BY: CG
CHECKED BY: AC
SCALE: NOTED
JOB NO: 230307600/876375

DRAWING TITLE:

TITLE SHEET

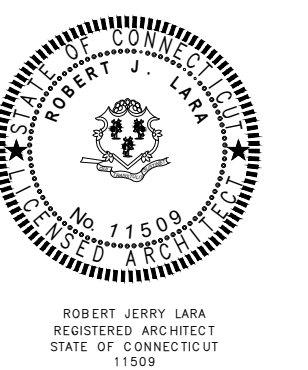
T-1

SITE INFORMATION:
SITE NAME:
CANTERBURY / LEMIRE

SITE ADDRESS:
53 WESTMINSTER ROAD
CANTERBURY, CT 0331

JURISDICTION:
WINDHAM COUNTY

SHEET NO. 1 OF 29



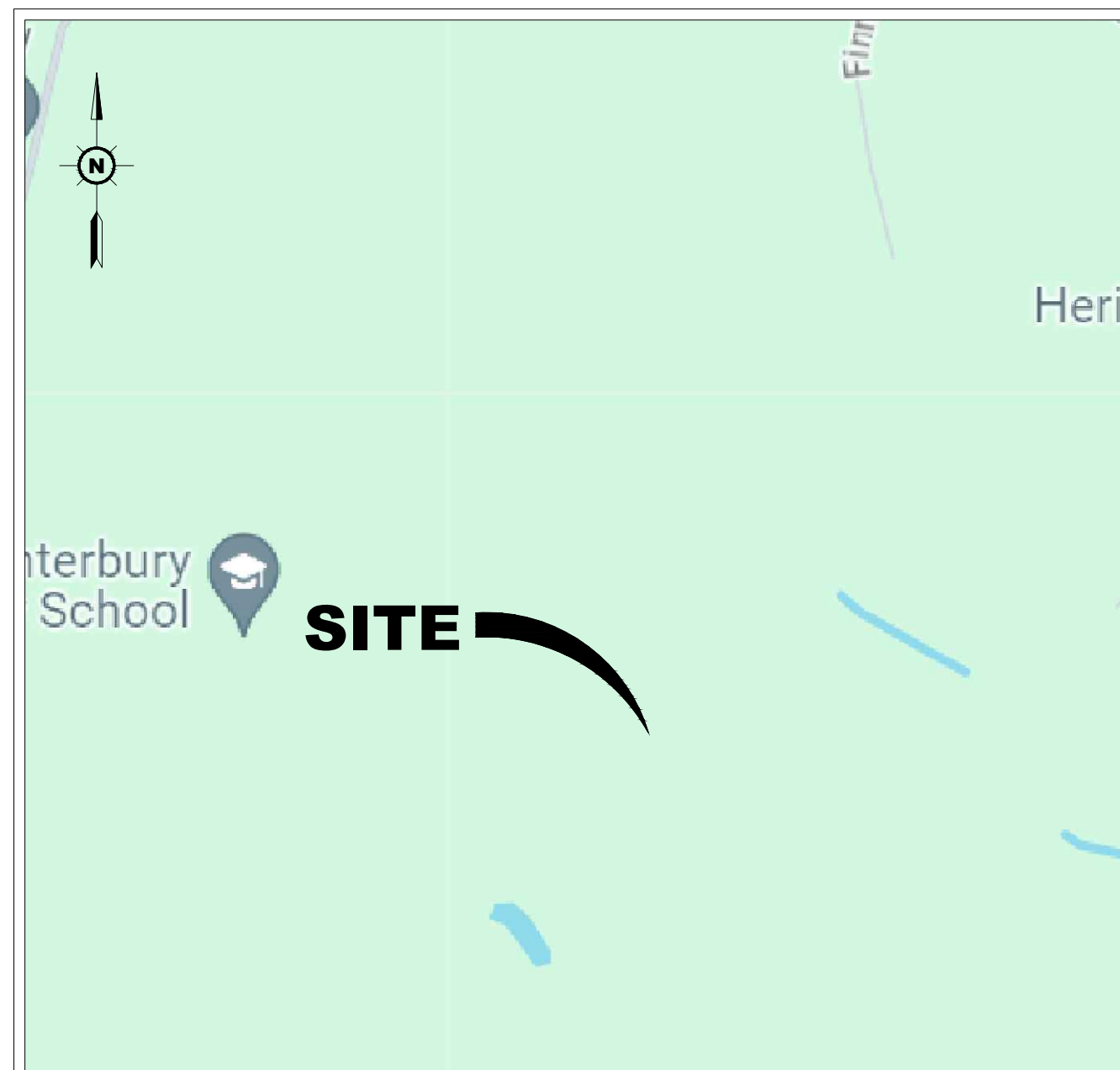
SITE INFORMATION

SITE NAME: CANTERBURY / LEMIRE
CROWN BUSINESS UNIT: 876375
SITE ADDRESS: 53 WESTMINSTER ROAD
 CANTERBURY, CT 06631

PARCEL ID: 46-31
JURISDICTION: TOWN OF CANTERBURY
SITE COORDINATES: N 41° 42' 07.07" (NAD 83)
 W 71° 58' 50.01" (NAD 83)
TENANT: CROWN CASTLE FIBER NETWORKS
 80 CENTRAL STREET
 BOXBOROUGH, MASSACHUSETTS 01719
LANDLORD'S NAME: CROWN CASTLE
GROUND LANDLORD : 3530 TORINGDON WAY, STE33
 CHARLOTTE, NC 28277
FEMA FIRM MAP : 0901830016A EFF. 10/16/1984
FLOOD ZONE: AE

CODE ANALYSIS

BUILDING CODE: 2022 CONNECTICUT STATE BUILDING CODE
ELECTRICAL CODE: NEC 2020
USE GROUP: U (UTILITY)
CONSTRUCTION TYPE: V-B



AREA MAP

ORLANDO, FL
 SCALE: 1" = 200'-0"

DIRECTIONS

FROM HARTFORD-BRAINARD AIRPORT:
 HEAD NORTH ON LINDBERGH DR TOWARD MAXIM RD. TURN LEFT ONTO MAXIM RD. CONTINUE ONTO BRAINARD RD. TURN RIGHT ONTO THE RAM TO I-91N/I-84/SPRINGFIELD/BOSTON. MERGE ONTO US-5N. CONTINUE ONTO CT-15N. MERGE ONTO I-84E TOWARD BOSTON. TAKE EXIT 59 FOR I-384E TOWARD PROVIDENCE. CONTINUE ONTO I-384. KEEP LEFT TO STAY ON I-384E. CONTINUE ONTO US-44E/US-6E. SLIGHT RIGHT ONTO US-6E. TURN LEFT TO STAY ON US-6E. TURN LEFT ONTO BOSTON POST RD (SIGNS FOR CT-66/WILLIMATIC). TURN LEFT ONTO TUCKER RD. TURN LEFT ONT CT-14E. TURN LEFT TO STAY ON CT-14E. CONTINUE ON CT-14E TO SITE ON LEFT.

DO NOT SCALE DRAWINGS

CONTRACTOR IS TO VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS RELATING TO THIS PROJECT. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IF THERE ARE ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

CROWN CASTLE FIBER REVIEW

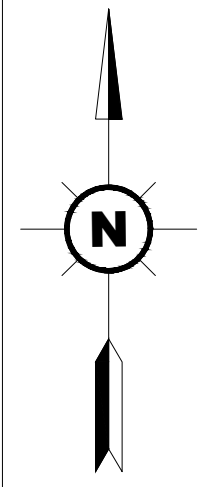
THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND MAY IMPOSE CHANGES OR MODIFICATIONS.

CROWN CASTLE FIBER PROJECT MANAGER _____ **DATE:** _____

CROWN CASTLE FIBER CONSTRUCTION _____ **DATE:** _____

CROWN CASTLE A&E MANAGER _____ **DATE:** _____

PROPERTY OWNER _____ **DATE:** _____



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LANDLORD'S NAME:	CROWN CASTLE
GROUND LANDLORD :	3530 TORINGDON WAY, STE33 CHARLOTTE, NC 28277
FEMA FIRM MAP :	0901830016A EFF. 10/16/1984
FLOOD ZONE:	AE

GENERAL NOTES:

1. THIS PLAN WAS PREPARED USING SURVEY MAPS BY GEOLINE SURVEYING, INC., LAST UPDATED 10-11-2011, AND SHOULD NOT BE CONSTRUED AS AN ACCURATE SURVEY.
2. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
3. THE PROPOSED FACILITY WILL CAUSE NO INCREASE IN STORMWATER RUNOFF. THEREFORE, NO DRAINAGE STRUCTURES ARE PROPOSED.
4. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (THERE IS NO HANDICAP ACCESS REQUIRED).
5. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
6. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
7. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE STREET SIGNS OF ANY TYPE. NO PUBLIC SIGNS WILL BE POSTED UNLESS OTHERWISE NOTED ON PLAN.
8. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES.



80 CENTRAL STREET
BOXBOROUGH, MASSACHUSETTS 01719
PHONE (978) 264-6000



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DRAWING TITLE:

SITE PLAN

DRAWING SHEET:

Z-1

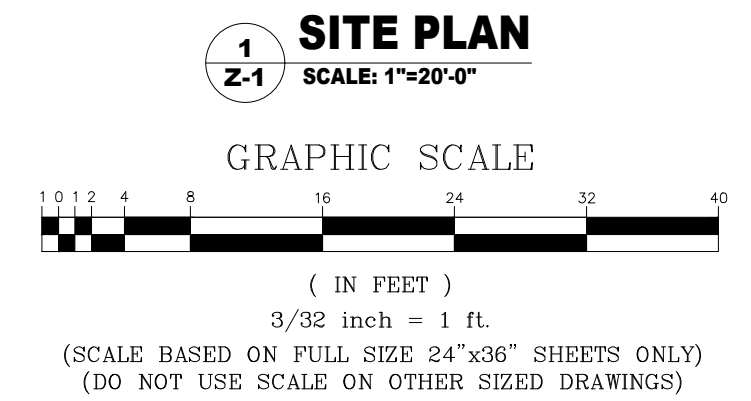
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SITE ADDRESS:
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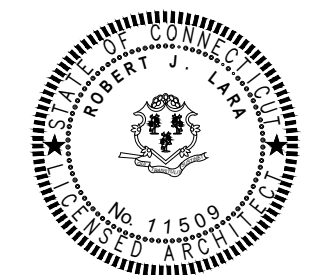
JURISDICTION:
WINDHAM COUNTY

SHEET NO. 2 OF 29



**Know what's below.
Call before you dig.**

PROTECT YOURSELF. GIVE THREE WORKING DAYS NOTICE.
THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH LATEST EDITION OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.



ROBERT J. LARA
REGISTERED ARCHITECT
STATE OF CONNECTICUT
11500



Stantec
66 Perimeter Center East, Suite 600
Atlanta, GA 30346
Tel: 770-379-8500 Fax: 770-375-8501
www.morrisonshersfield.com

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JOB NO: 230307600/876375

DRAWING TITLE:

SURVEY PLAN

DRAWING SHEET:

SP-1

SITE INFORMATION:

SITE NAME:

CANTERBURY / LEMIRE

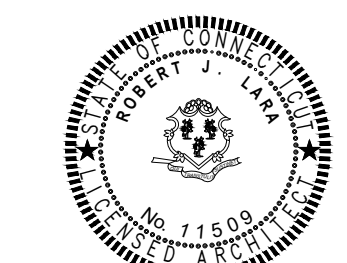
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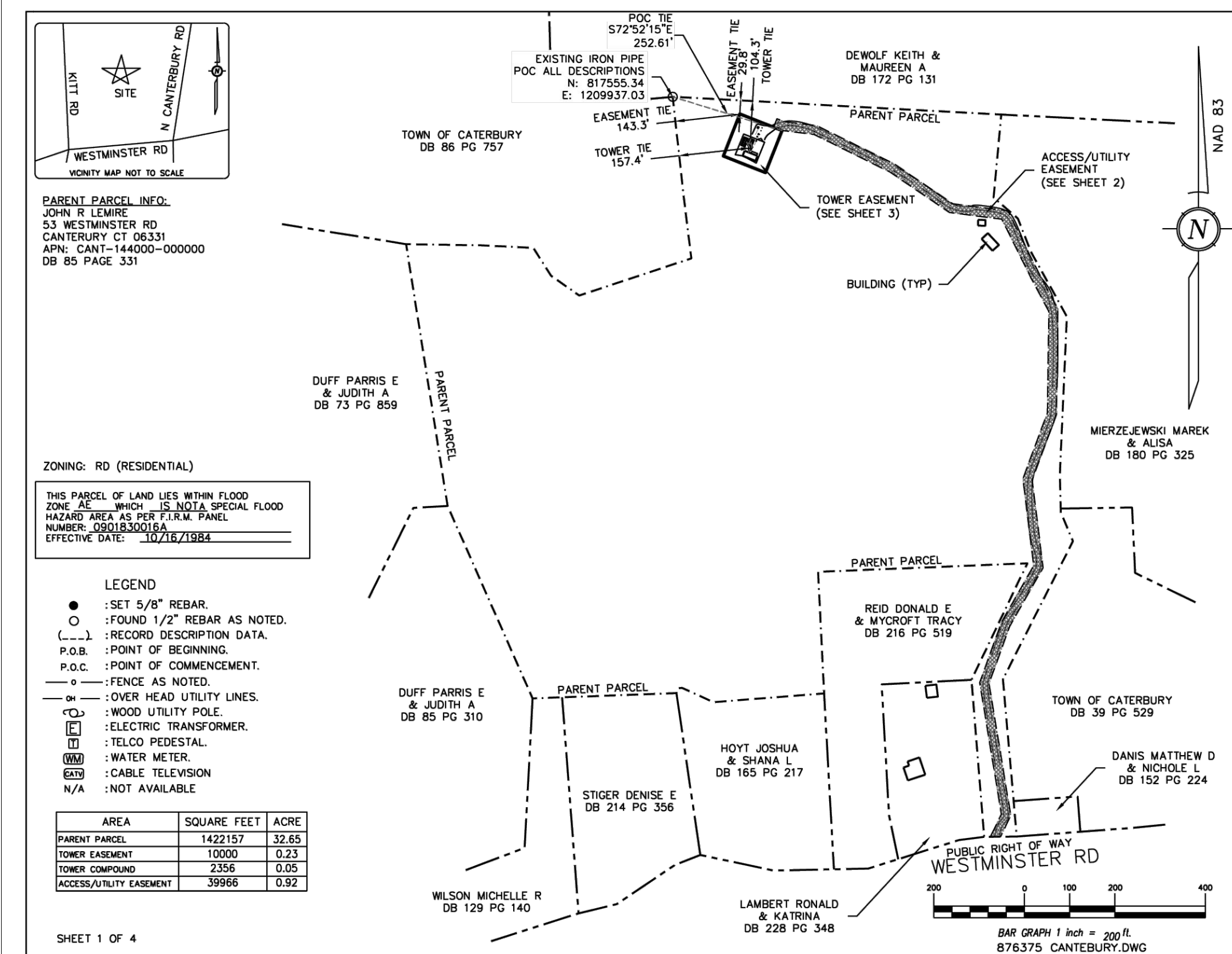
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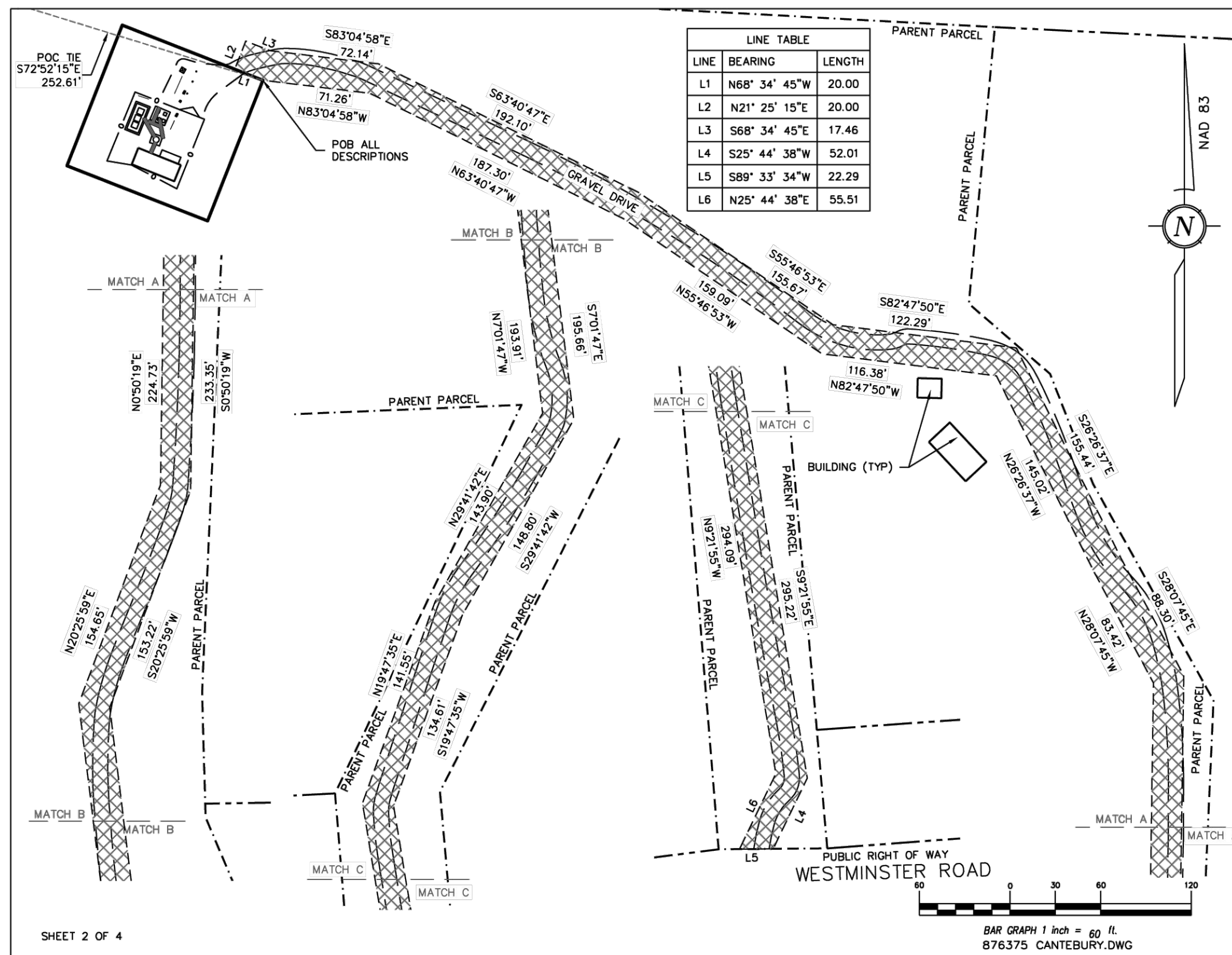
SHEET NO. 3 OF 29



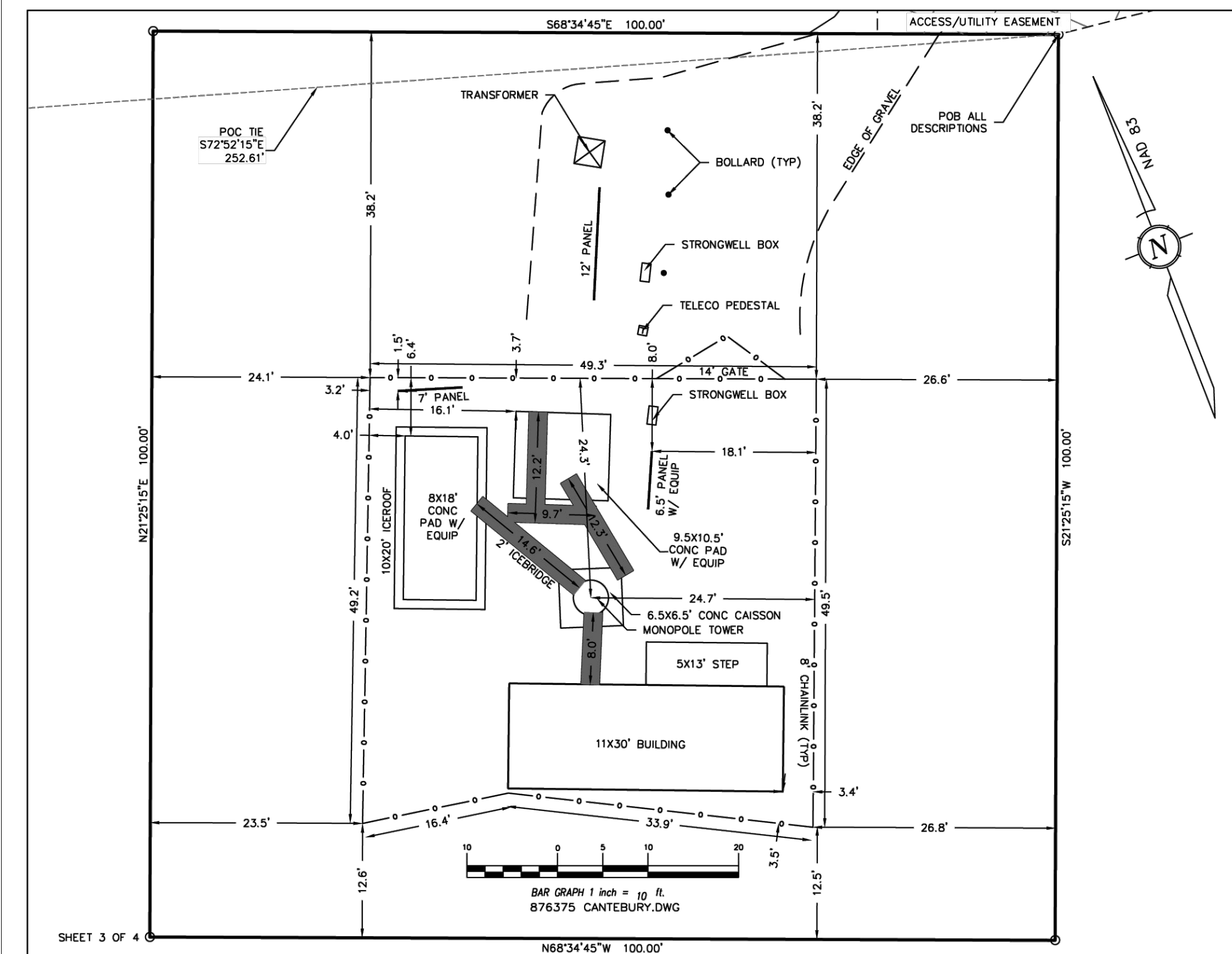
ROBERT J. LARA
REGISTERED ARCHITECT
STATE OF CONNECTICUT
1199



AS-BUILT SURVEY
PREPARED FOR
CROWN CASTLE
3030 TORNADOON WAY, SUITE 300 CHARLOTTE, NC 28277
SITE: CANTERBURY / LEMIRE
BUN: 876375
ADDRESS: 53 WESTMINSTER CANTERBURY CT 0331 WINDHAM COUNTY
NATIONAL SURVEY SERVICES COORDINATION BY:
GEOLINE SURVEYING, INC.
13430 NW 54th Terrace, Suite A Alachua, FL 32015
Office: (904) 418-0000 Fax: (904) 482-9999
WWW.GEOLINEINC.COM
SURVEY WORK PERFORMED BY:
JONATHAN MURPHY
Professional Land Surveying
10000 Lakeside Place (191) 280-8189
Raleigh, NC 27613 Fax: 919-280-8616
E-Mail: jmurphy@geomatics.com FIRM C-2057
SURVEYOR'S NOTES
1. BASIS OF BEARING:
CT GRID NAD83
2. NO SUBSURFACE INVESTIGATION WAS PERFORMED TO LOCATE UNDERGROUND UTILITIES. UTILITIES SHOWN HEREON ARE LIMITED TO AND ARE PER OBSERVED EVIDENCE ONLY.
3. THIS SURVEY DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARENT PARCEL.
4. ALL VISIBLE TOWER EQUIPMENT AND IMPROVEMENTS ARE CONTAINED WITHIN THE DESCRIBED AREA.
5. ALL SYMBOLS SHOWN ON HEREON NOT DEPICTED TO SCALE.
SURVEYOR'S CERTIFICATION
I HEREBY CERTIFY TO CROWN CASTLE AND FIDELITY NATIONAL TITLE INSURANCE COMPANY
MURPHY GEOMATICS
Matthew R. Battey
MATHEW BATTEY
LAND SURVEYOR -
DATE: 9/1/2015



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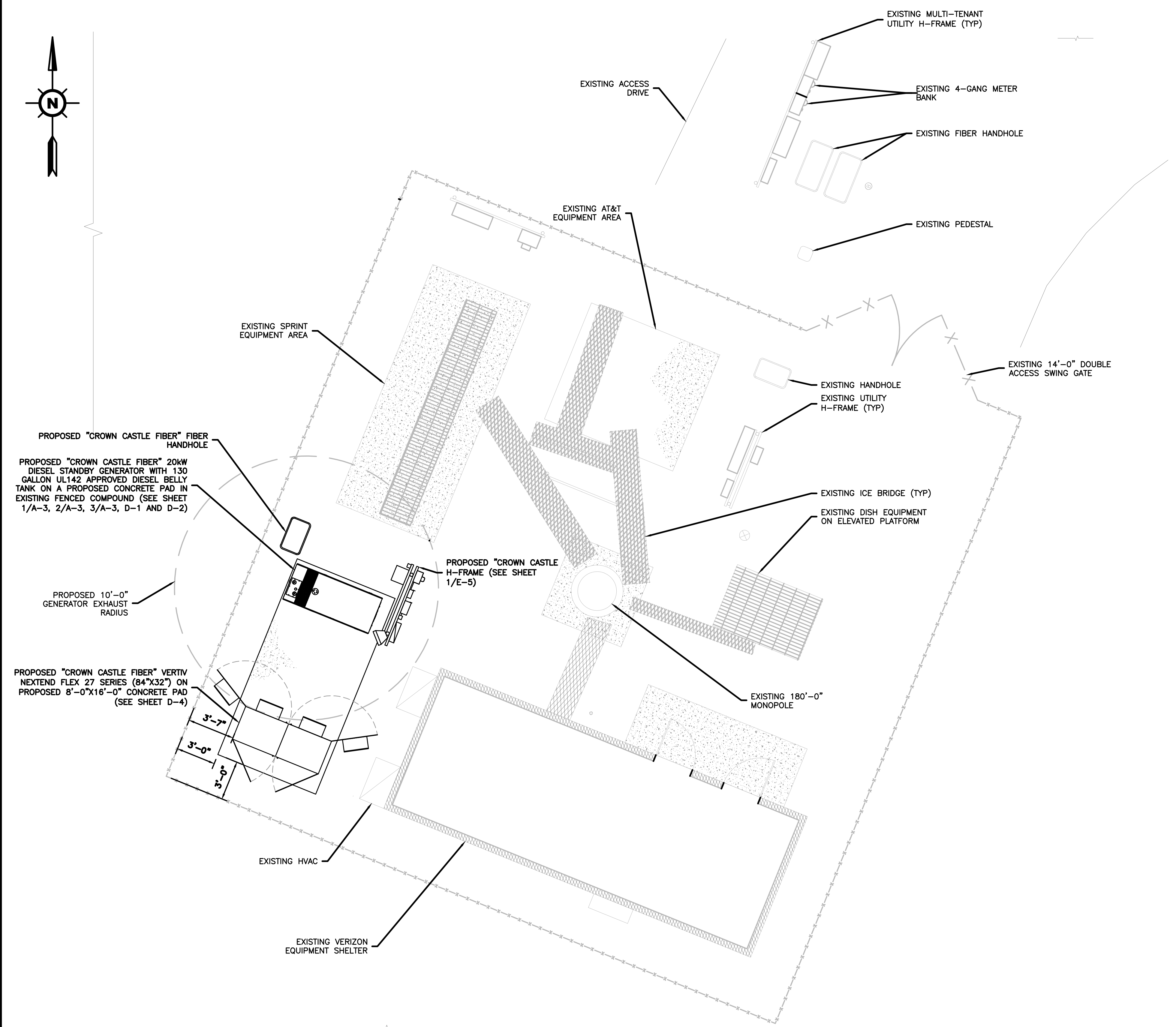
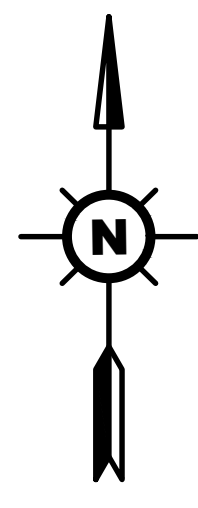


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SITE PLAN DISCLAIMER:
PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLAN SETS OR FROM ASSESSORS' MAPS. CROWN CASTLE USA INC. HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET



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FEMA FIRM MAP :	0901830016A EFF. 10/16/1984
FLOOD ZONE:	AE

GENERAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITIES COMPANY OR OTHER PUBLIC AUTHORITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
3. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE OVERALL INTENT OF THESE DRAWINGS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY.
5. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
7. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (THERE IS NO HANDICAP ACCESS REQUIRED).
8. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
9. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES.
10. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE STREET SIGNS OF ANY TYPE, NO SIGNS WILL BE POSTED EXCEPT THOSE REQUIRED.
11. NO SIGNIFICANT NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY.
12. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

NOTE:
THERE WILL BE NO CHANGES TO THE GRADING/EXISTING SITE ELEVATIONS

NOTE:
THE CITY OF ORLANDO'S GUIDELINES FOR EROSION SEDIMENT CONTROL (AKA THE BLUE SHEET) WILL SERVE AS A GUIDE FOR THE IMPLEMENTATION OR EROSION SEDIMENT CONTROL MEASURES.

CROWN CASTLE FIBER
80 CENTRAL STREET
BOXBOROUGH, MASSACHUSETTS 01719
PHONE (978) 264-6000



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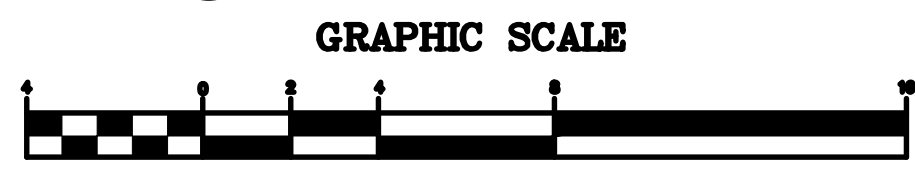
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COMPOUND PLAN

DRAWING SHEET:
A-1

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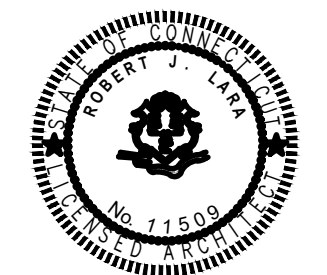
SHEET NO. 4 OF 29

1 COMPOUND PLAN
SCALE: 1/4" = 1'-0"



**Know what's below.
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ROBERT J. LARA
REGISTERED ARCHITECT
STATE OF CONNECTICUT
11509

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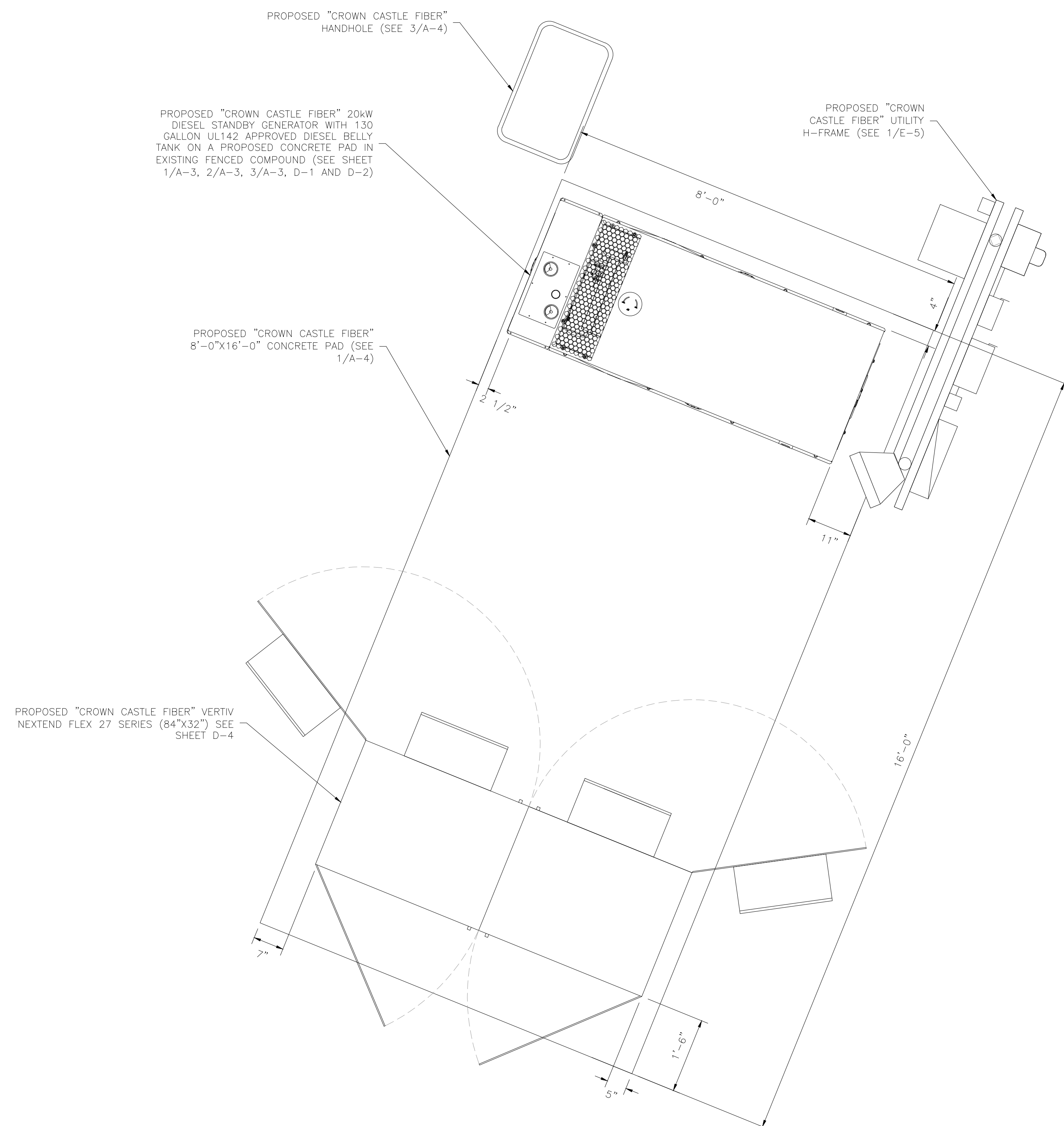
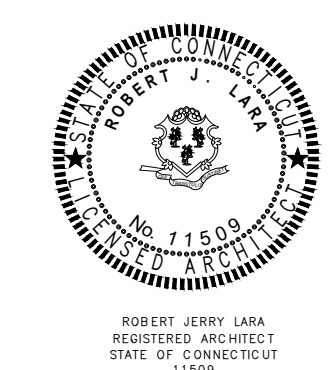
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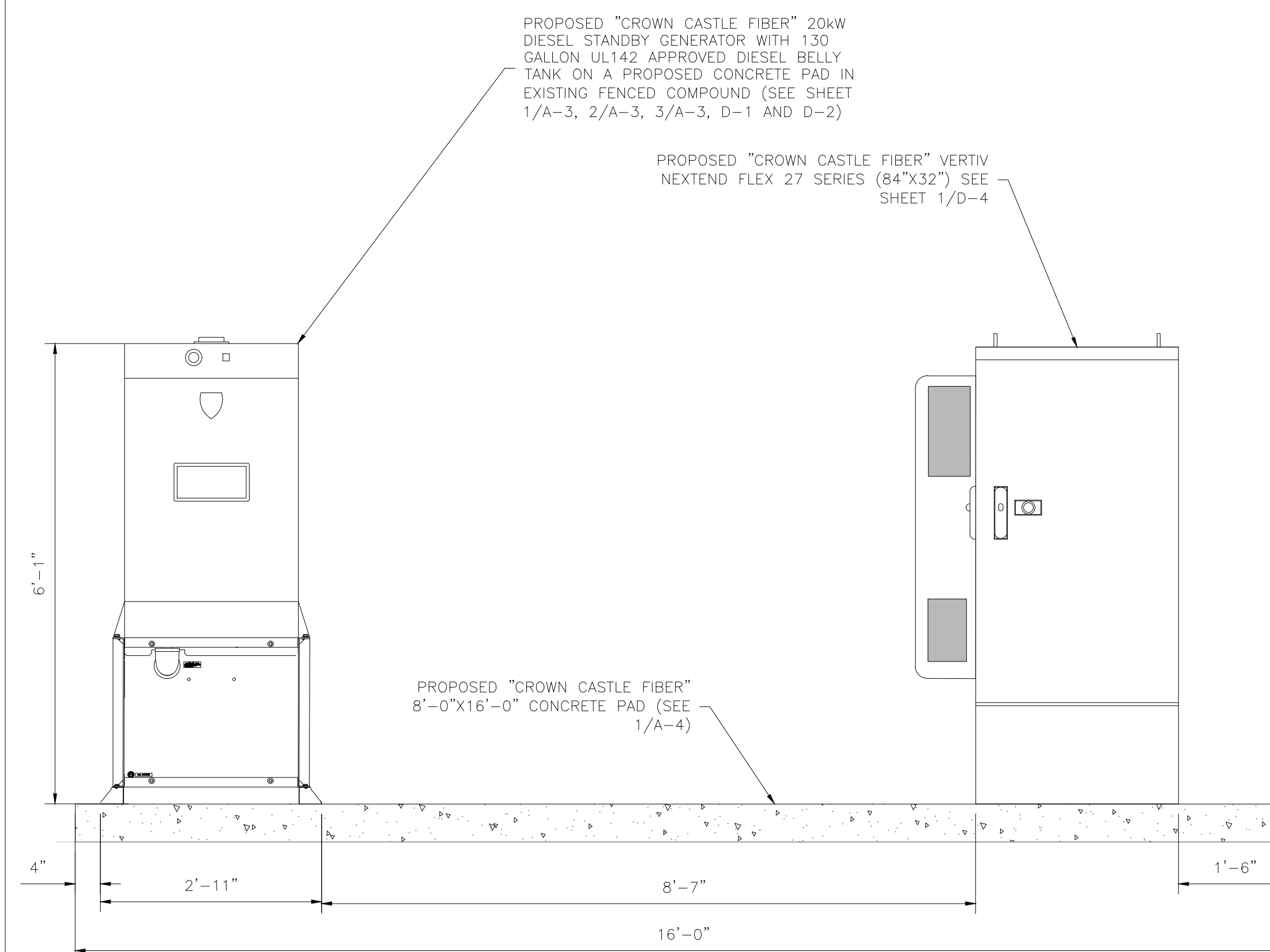
DRAWING SHEET:
A-2

SITE INFORMATION:
SITE NAME:
CANTERBURY / LEMIRE
SITE ADDRESS:
**53 WESTMINSTER ROAD
CANTERBURY, CT 0331**
JURISDICTION:
WINDHAM COUNTY

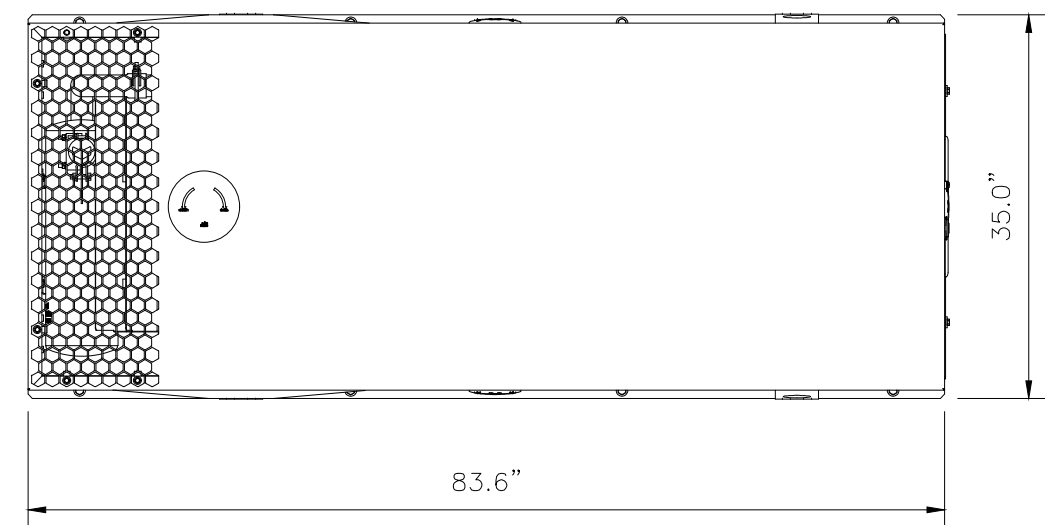
SHEET NO. 5 OF 29



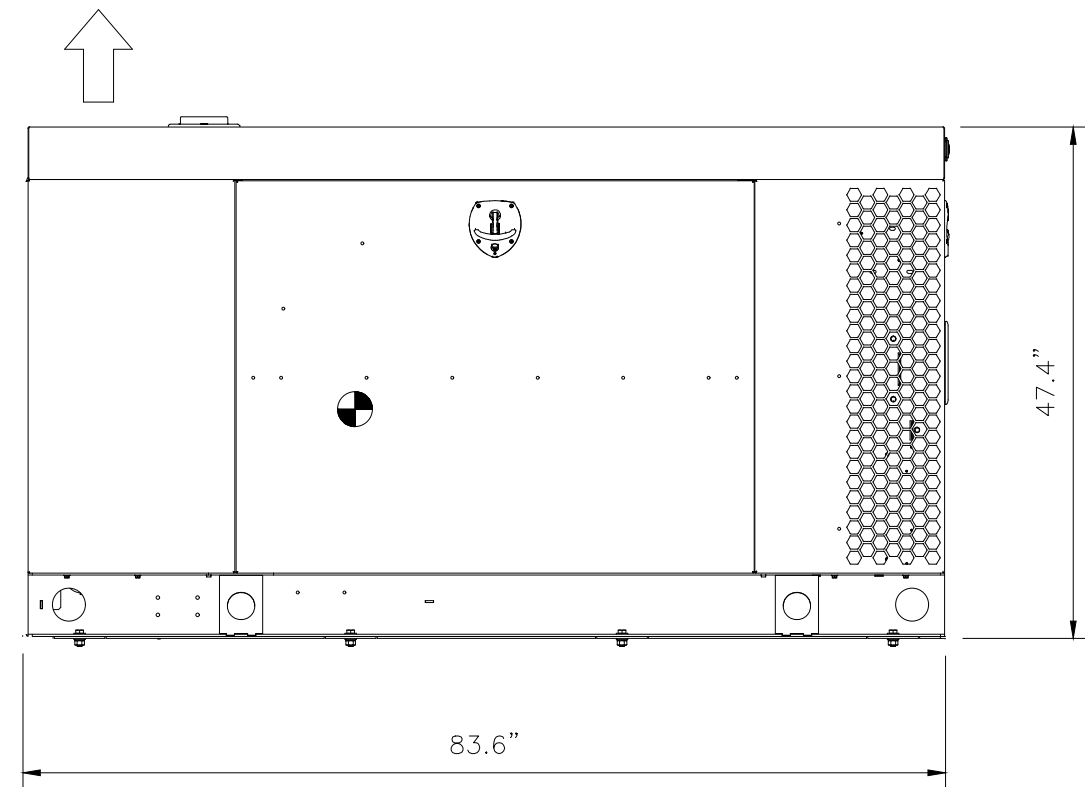
1
A-2 **EQUIPMENT PLAN**
SCALE: 1/4" = 1'-0"
GRAPHIC SCALE
(IN FEET)
1/4 inch = 1 ft.
(SCALE BASED ON FULL SIZE 24"x36" SHEETS ONLY)
(DO NOT USE SCALE ON OTHER SIZED DRAWINGS)



1
A-2 **ELEVATION PLAN**
SCALE: 1/4" = 1'-0"
GRAPHIC SCALE
(IN FEET)
3/4 inch = 1 ft.
(SCALE BASED ON FULL SIZE 24"x36" SHEETS ONLY)
(DO NOT USE SCALE ON OTHER SIZED DRAWINGS)

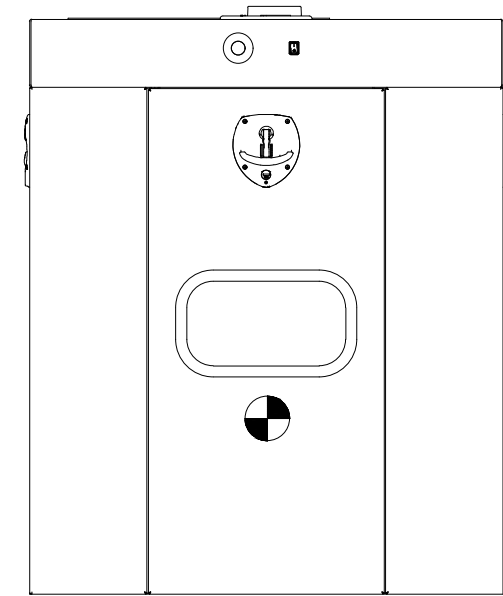


PLAN VIEW

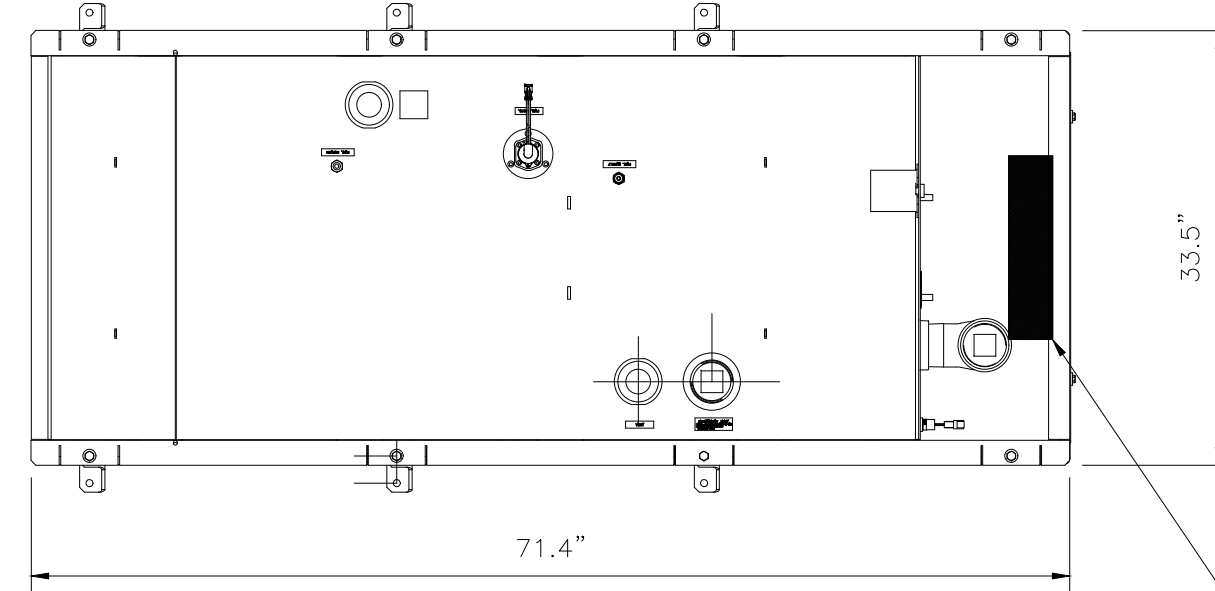


FRONT VIEW

RECOMMENDED ELECTRICAL STUB-UPS (SEE TOP VIEW)	
DESCRIPTION	INSIDE BASE
(1) 3" CONDUIT FROM GENERATOR TO ATS (POWER CABLING)	A
(3) 1" CONDUIT • CAT5-COMMUNICATION • START WIRE 2W 12 AWG (2) 20 AMP BATTERY CHARGER AND HEATER BLOCK	B

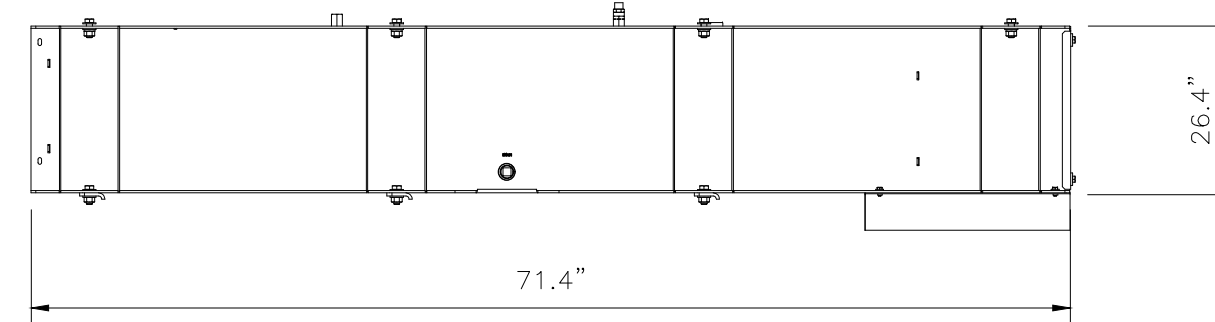


SIDE VIEW

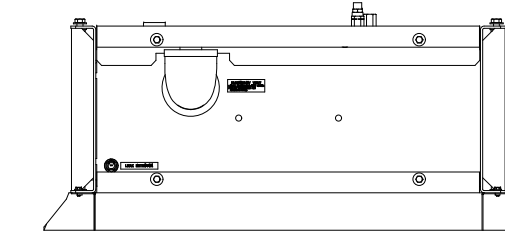


PLAN VIEW

HIGH AND LOW VOLTAGE STUB-UP



FRONT VIEW



SIDE VIEW

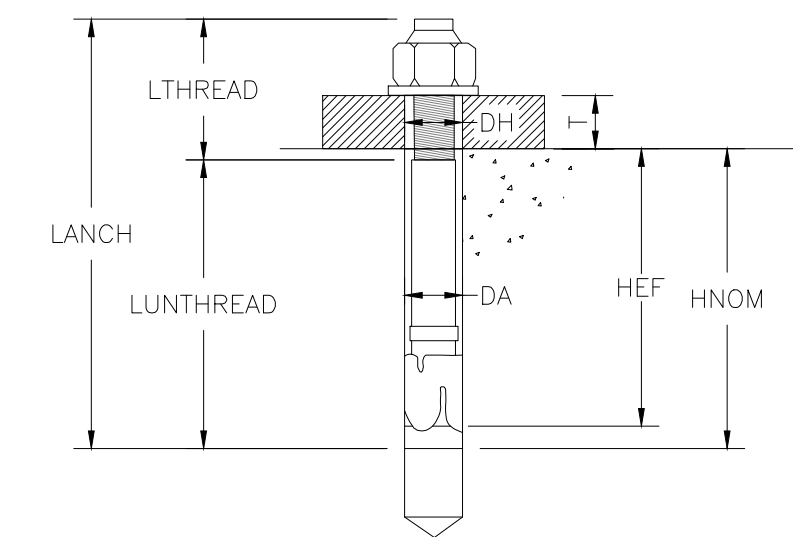
NEW 130 GALLON BELLY TANK DETAIL

4 A-3 NTS

NOTE: GENERATOR SHALL BE FACTORY FURNISHED WITH THE DISCONNECTING MEANS AND SHUTDOWN OF PRIME MOVER, PER 2020 NEC, 445.18.

INSTALLATION NOTES FOR POST-INSTALLED ANCHORS:

- CENTER OF ANCHORS TO HAVE A MINIMUM OF 12" DISTANCE TO CONCRETE EDGES/SEAMS AND OTHERS EXISTING OR ABANDONED ANCHORS.
- CONTRACTOR SHALL FIELD VERIFY CONCRETE THICKNESS PER TABLE BELOW.
- CONTRACTOR SHALL SCAN FOR AND LOCATE EXISTING REBAR BEFORE DRILLING. DO NOT CUT OR DAMAGE FOUNDATION REBAR. IF REBAR IS ENCOUNTERED DURING DRILLING OPERATIONS, NOTIFY EOR IMMEDIATELY. MINOR ADJUSTMENT TO ANCHOR LOCATION MAY BE REQUIRED.
- CONTRACTOR SHALL USE EQUIPMENT MANUFACTURER'S BOLTING LAYOUT AND SPECIFICATIONS. SPECIAL INSPECTIONS REQUIRED DURING INSTALLATION OF ANCHORS.
- MANUAL CLEANING OF THE DRILLED HOLE IS REQUIRED ACCORDING TO ANCHOR MANUFACTURER INSTRUCTIONS AND ICC-ES EVALUATION REPORT NO. ESR-1917.
- ABANDONED ANCHORS TO BE REMOVED OR CUT FLUSH WITH CONCRETE SURFACE. ANY REMAINING VOIDS SHALL BE FILLED WITH HILTI HIT-RE 500 V3 EPOXY (ICC ESR NO.3814).



INSTALLATION DETAILS FOR POST-INSTALLED ANCHORS	
ANCHOR TYPES	HILTI KB-TZ STAINLESS STEEL
LENGTH OF ANCHOR, LANCH (in)	7.000
DIAMETER OF ANCHOR, DA (in)	0.500
MINIMUM THICKNESS OF FASTENED STEEL MATERIAL, TMIN (in)	0.25*
MINIMUM EFFECTIVE EMBEDMENT, HEF (in)	3.250
MINIMUM NOMINAL EMBEDMENT, HNOM (in)	3.625
MINIMUM DRILL HOLE DEPTH, HO (in)	4.000**
MINIMUM CONCRETE SLAB THICKNESS, TCONC (in)	8.00*
REQUIRED INSTALLATION TORQUE	40 FT-LB

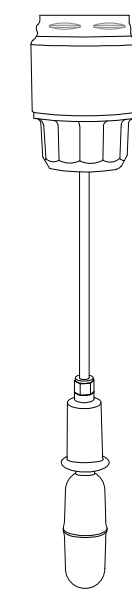
*NOTIFY EOR IF MATERIAL THICKNESS DOES NOT MEET MINIMUM VALUES SPECIFIED.
**HAMMER DRILL HOLE IN CONCRETE BASE MATERIAL AND CLEAN HOLE PER MANUFACTURER'S SPECIFICATIONS

ANCHOR DETAIL

5 A-3 NTS

NEW SD020T 20KW OPTIONAL STANDBY GENERATOR

1 A-3 NTS

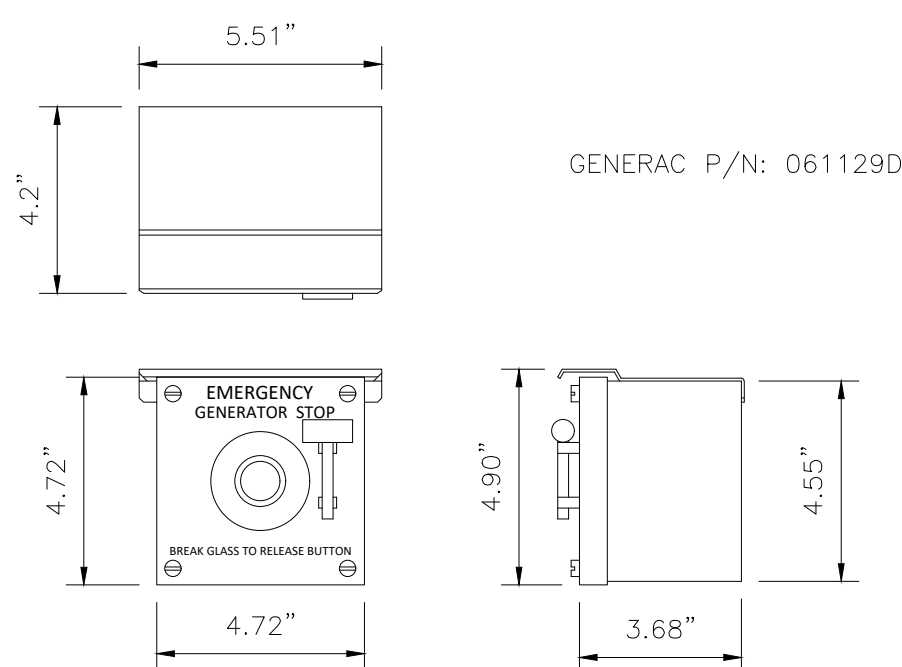


MORRISON BROS. CO. MODEL 90955A

CODE COMPLIANCE:
ULC-S661-10 LISTED,
NFPA 30, 30A, UFC, IFC,
PEI/RP 200, PEI/RP 600

OVERFILL PROTECTION VALVE DETAIL

2 A-3 NTS



GENERAC P/N: 061129D

OPTIONAL STANDBY GENERATOR EMERGENCY STOP DETAIL

3 A-3 NTS

SCHEDULE OF REVISIONS

REV. NO.	DATE	DESCRIPTION OF CHANGES
0	05/31/24	ISSUED FOR PERMIT
B	05/31/24	ISSUED FOR CLIENT REVIEW
A	05/02/24	ISSUED FOR CLIENT REVIEW

DRAWN BY:	CG
CHECKED BY:	AC
SCALE:	NOTED
JOB NO:	230307600/876375

DRAWING TITLE:

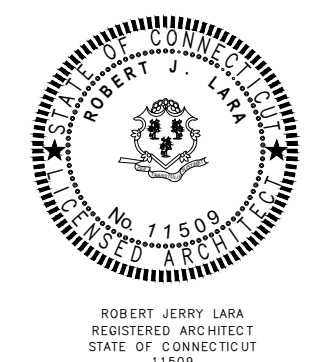
STANDBY GENERATOR DETAILS

DRAWING SHEET:

A-3

SITE INFORMATION:
SITE NAME:
CANTERBURY / LEMIRE
SITE ADDRESS:
**53 WESTMINSTER ROAD
CANTERBURY, CT 0331**
JURISDICTION:
WINDHAM COUNTY

SHEET NO. 7 OF 29



ROBERT JERRY LARA
REGISTERED ARCHITECT
STATE OF CONNECTICUT
11500



now
Stantec

66 Perimeter Center East, Suite 600
Atlanta, GA 30346
Tel: 770-379-8500 Fax: 770-375-8501
www.morrisonhershfield.com

SCHEDULE OF REVISIONS

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DRAWN BY: CG
CHECKED BY: AC
SCALE: NOTED
JOB NO: 230307600/876375

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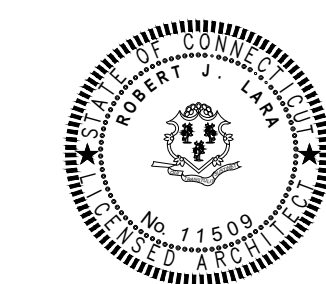
GENERAL DETAILS

DRAWING SHEET:

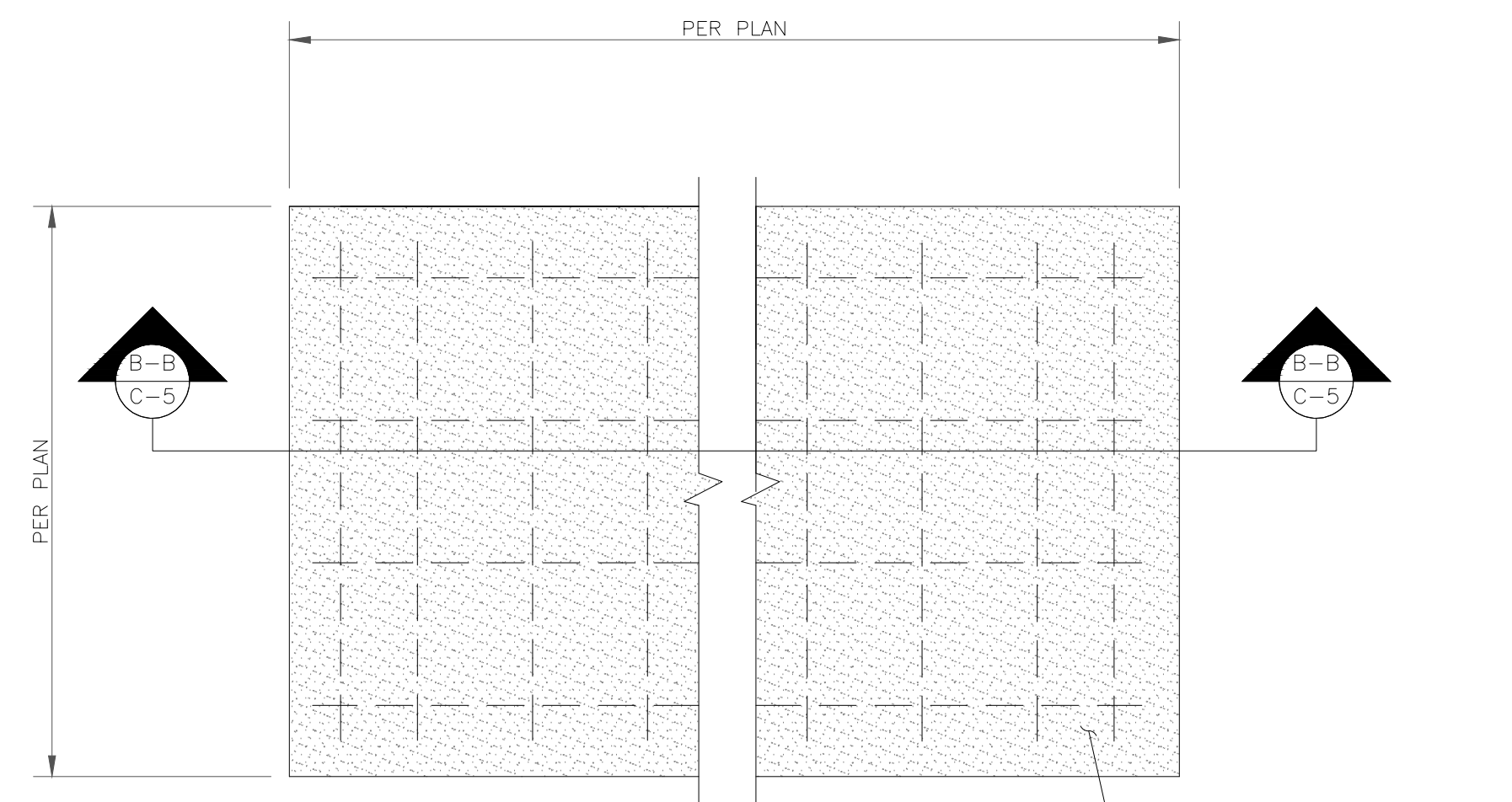
A-4

SITE INFORMATION:
SITE NAME:
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SITE ADDRESS:
**53 WESTMINSTER ROAD
CANTERBURY, CT 0331**
JURISDICTION:
WINDHAM COUNTY

SHEET NO. 8 OF 29

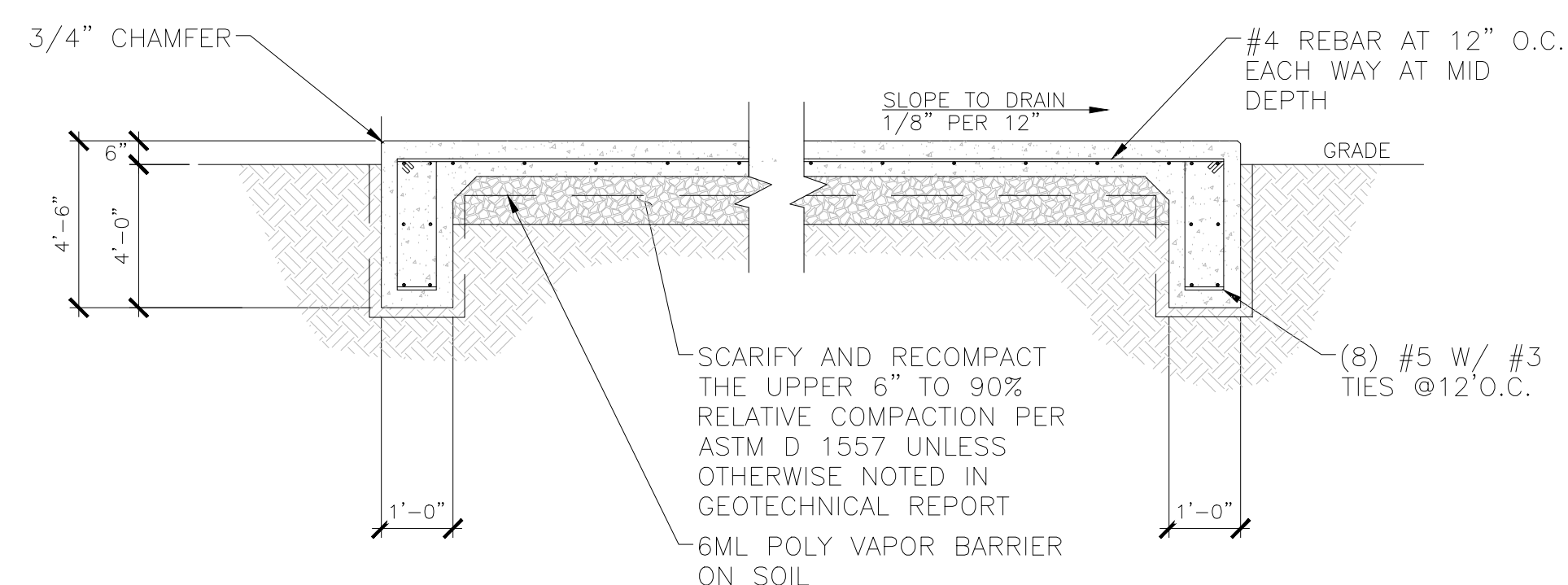


ROBERT J. LARA
REGISTERED ARCHITECT
STATE OF CONNECTICUT
11500



PLAN VIEW

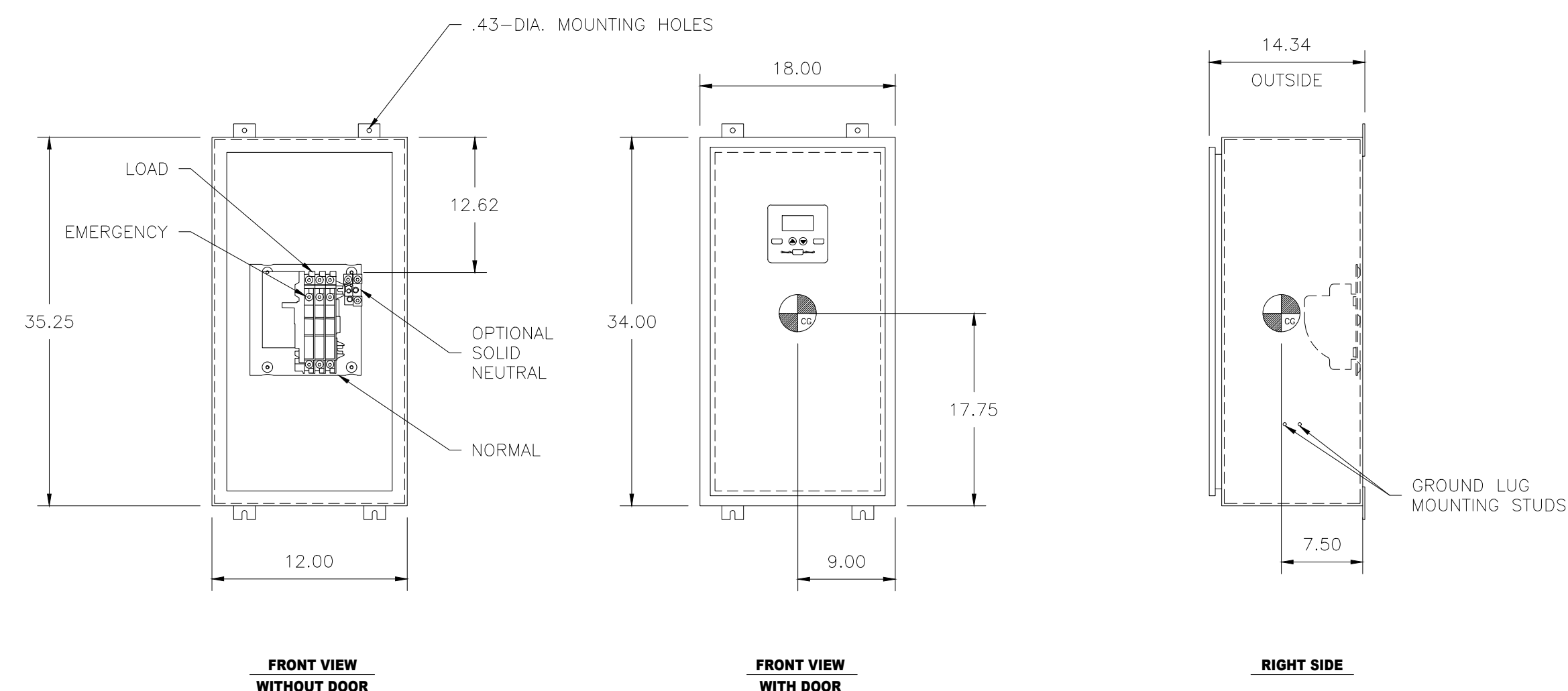
6" 3000 PSI CONCRETE SLAB W/ 4" REBAR EACH WAY @ 12" O/C



SECTION B-B

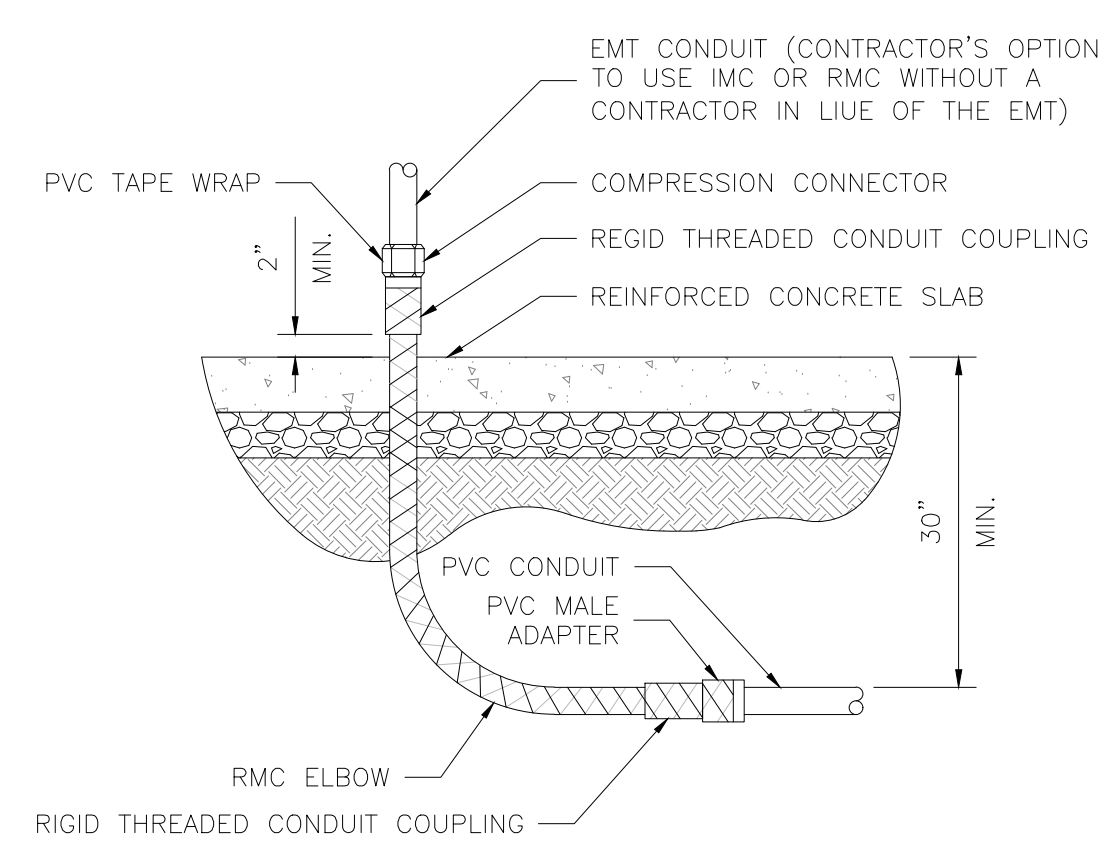
1 PROPOSED ASCO 300 SERIES 200A ATS

A-4 NTS



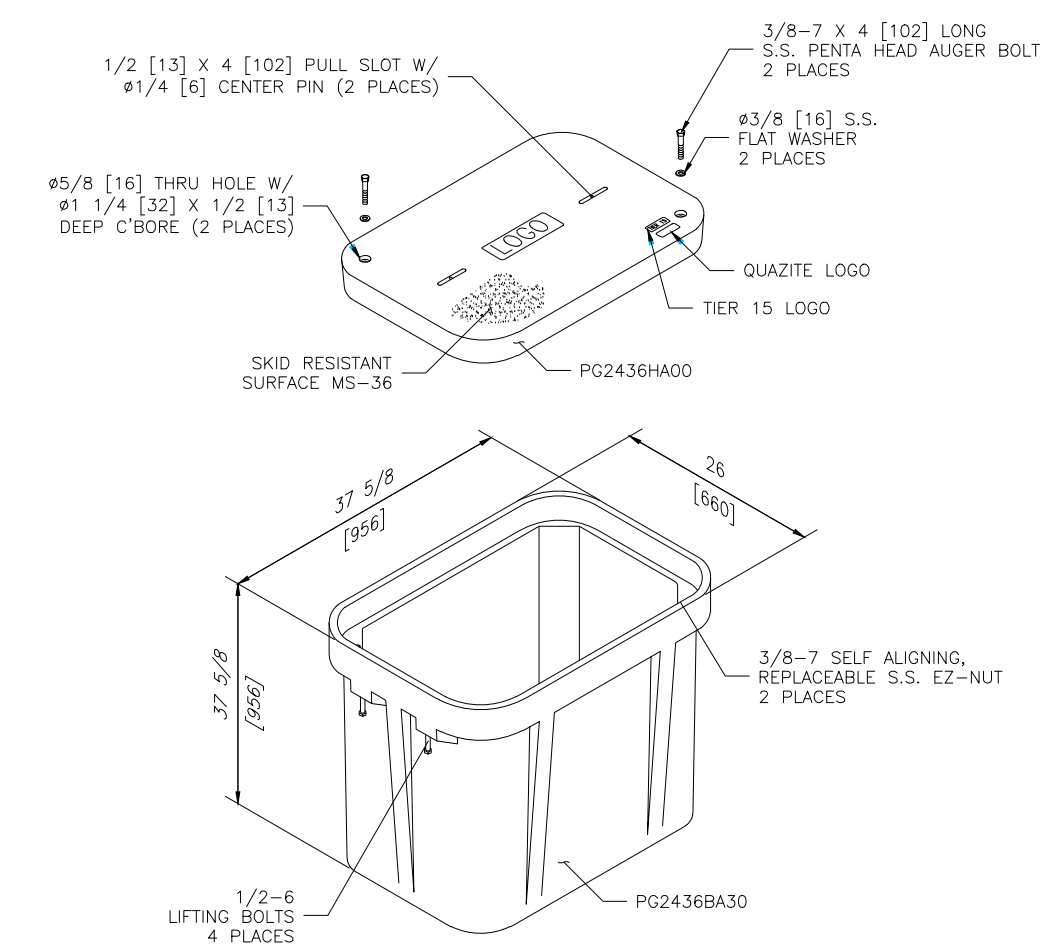
4 PROPOSED ASCO 300 SERIES 200A ATS

A-4 NTS



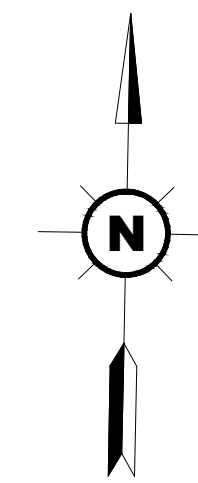
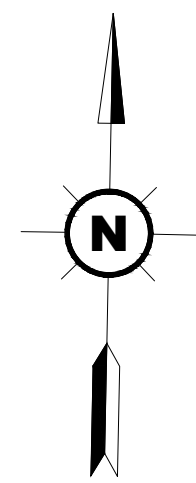
2 CONDUIT STUB UP DETAIL

A-4 NTS



3 HAND HOLE DETAIL #1

A-4 NTS



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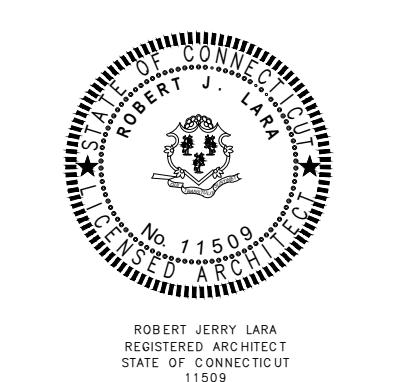
DRAWN BY: CG
CHECKED BY: AC
SCALE: NOTED
JOB NO: 230307600/876375

DRAWING TITLE:
UTILITY ROUTING PLAN

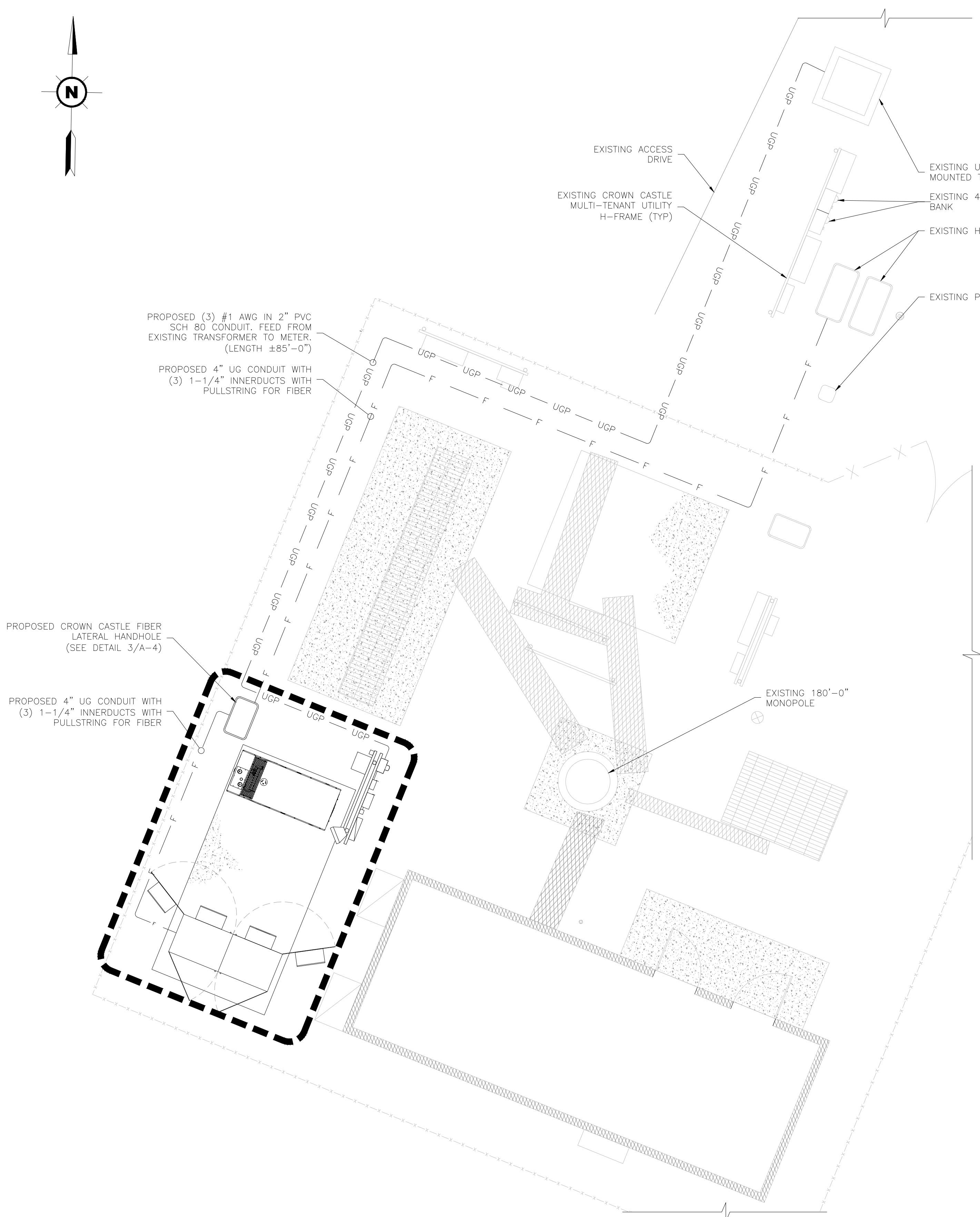
DRAWING SHEET:
E-2

SITE INFORMATION:
SITE NAME:
CANTERBURY / LEMIRE
SITE ADDRESS:
**53 WESTMINSTER ROAD
CANTERBURY, CT 0331**
JURISDICTION:
WINDHAM COUNTY

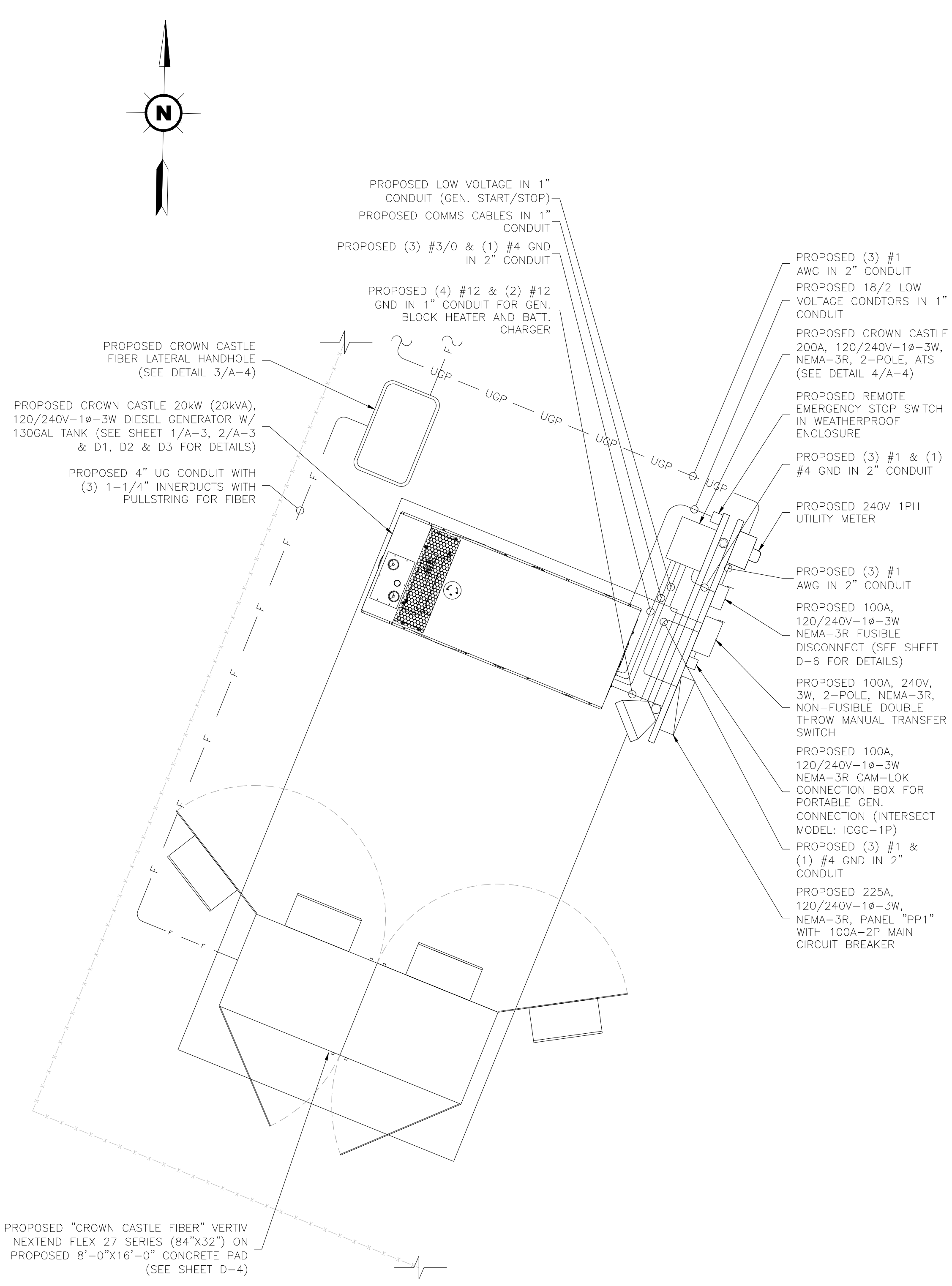
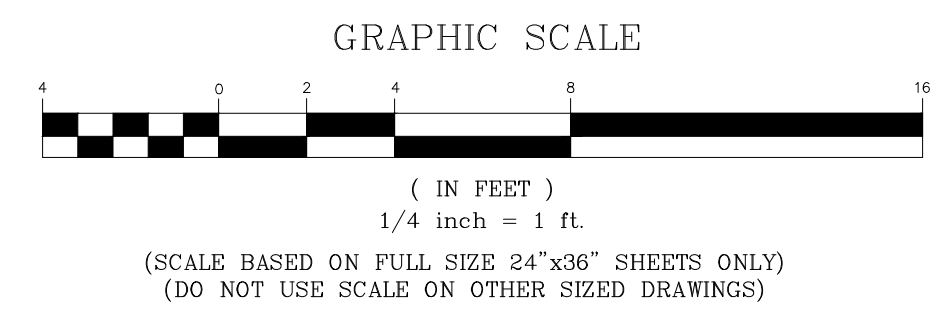
SHEET NO. 10 OF 29



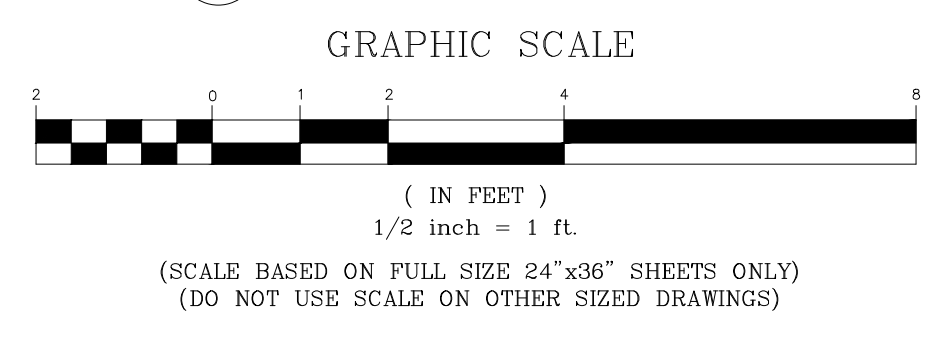
PROTECT YOURSELF. GIVE THREE WORKING DAYS NOTICE.
THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH LATEST EDITION OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPURTENANT.

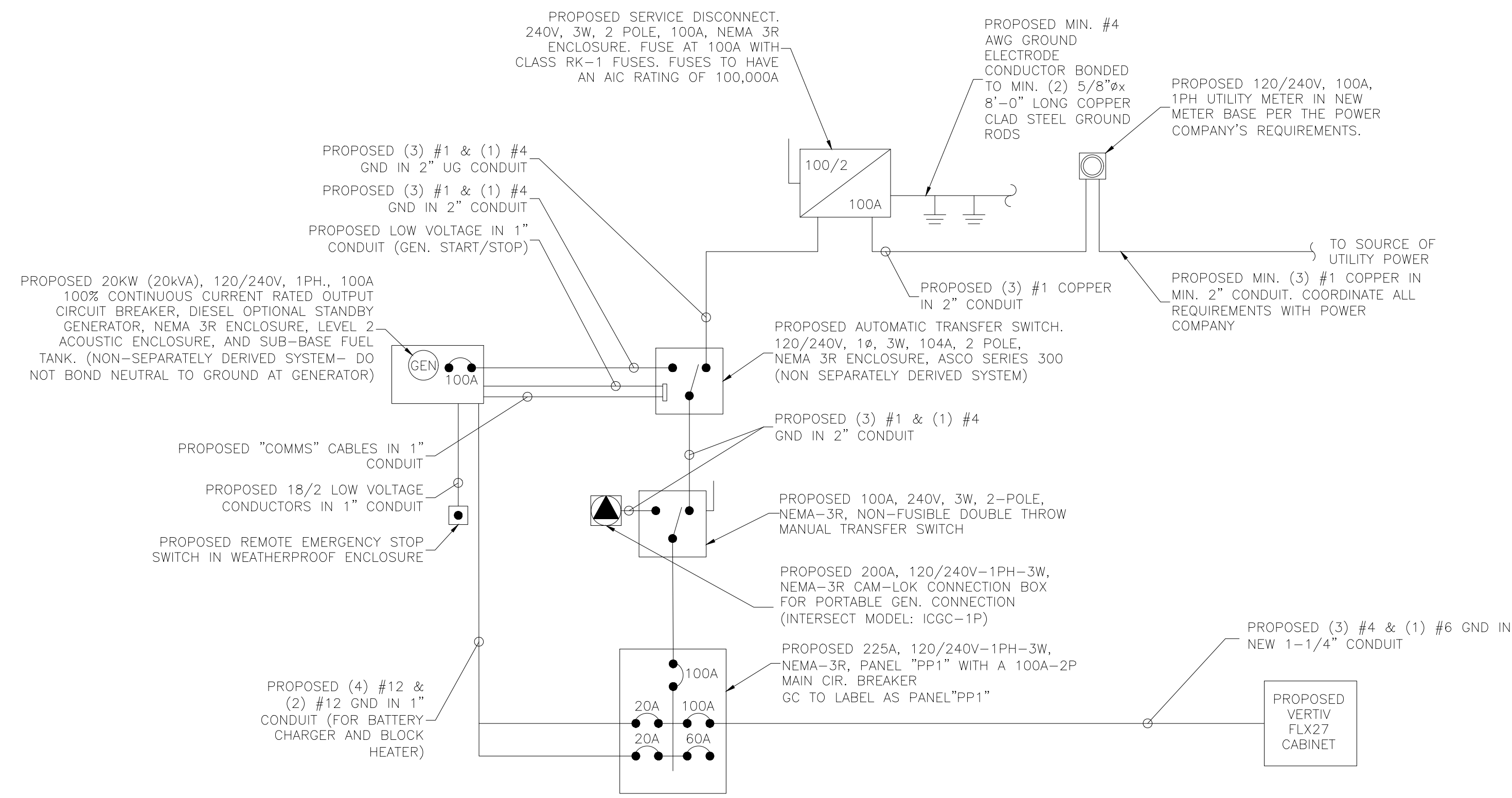


1 UTILITY ROUTING PLAN
SCALE: 1/4" = 1'-0"



2 UTILITY ROUTING PLAN
SCALE: 1/4" = 1'-0"





1
E-3
N.T.S.
ELECTRICAL ONE LINE DIAGRAM

NEW PANEL "PP1" 225A, 120/240V-1Ø-3W, 100A M.C.B.

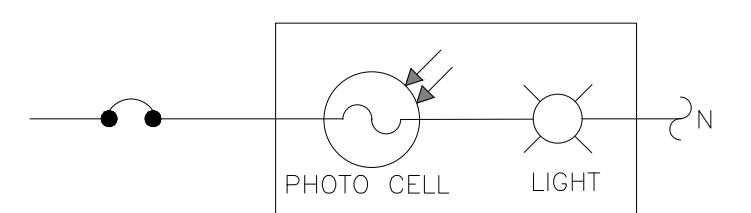
BUS VA		LOAD	WIRE	GND	COND	AMPS	BUS A B		AMPS	COND	GND	WIRE	LOAD	BUS VA	
A	B						A	B						A	B
5760		VERTIV FLEX 27 CABINET	#4	#6	1-1/4"	60	1	2	-	-	-	-	SPACE	-	-
	5760						3	4	-	-	-	-	SPACE	-	-
1200		GENERATOR BATTERY CHARGER	#12	#12	1"*	20	5	6	20	3/4"	#12	#12	LIGHTS **	283	
	1500	GENERATOR BLOCK HEATER	#12	-	1"*	20	7	8	20	3/4"	#12	#12	RECEPTACLE GFCI		180
-	-	SPACE	-	-	-	-	9	10	-	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	-	11	12	-	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	30	13	14	30	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	30	15	16	-	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	30	17	18	30	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	30	19	20	30	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	30	21	22	30	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	-	23	24	-	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	-	25	26	-	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	-	27	28	-	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	-	29	30	-	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	-	31	32	-	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	20	33	34	-	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	20	35	36	-	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	20	37	38	-	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	-	39	40	60	-	-	-	SPACE	-	-
-	-	SPACE	-	-	-	-	41	42	-	-	-	-	SPACE	-	-

TOTAL VA: BUS A 7243 BUS B 7440 CONNECTED VA: 14683 AMPERES: BUS A 60 BUS B 62 TOTAL 61
 RATED VOLTAGE: 120/208 120/240 277/480 1 PHASE, 3 WIRE BRANCH POLES 12 18 20 24 30 36 42
 RATED AMPS: 100 225 400 CABINET: SURFACE FLUSH
 FULL NEUTRAL BUS GROUND BUS HINGED DOOR KEYED DOOR LATCH ENCLOSURE TYPE NEMA-3R
 BRANCH DEVICES FUSED CIRCUIT BREAKER
 MAIN LUGS ONLY MAIN 100A BREAKER FUSED SWITCH
 PANEL SHALL BE SERIES AIC RATED WITH MAIN BREAKER A MIN. 65K AIC RATED

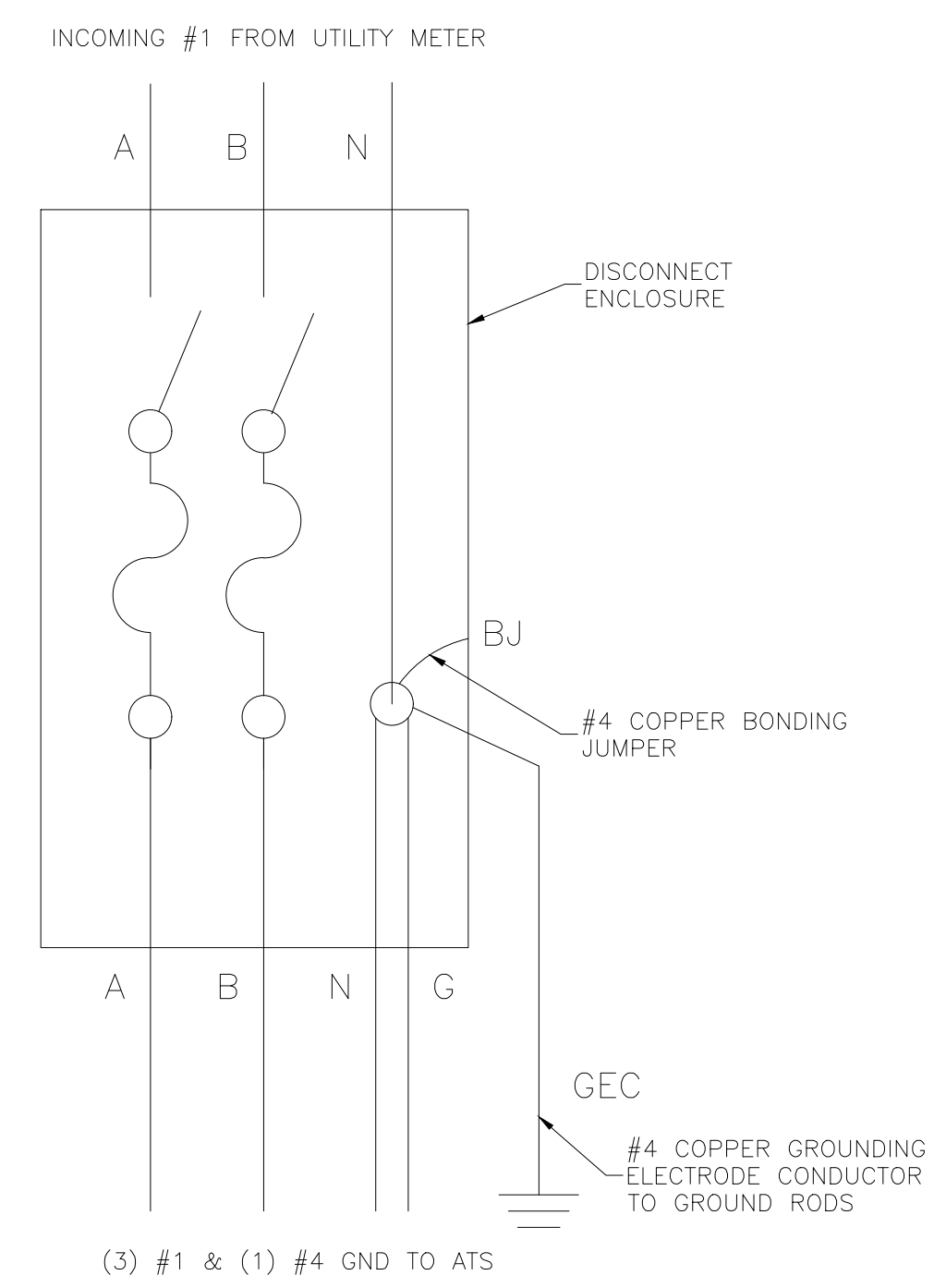
DEMAND LOAD CALC
 LIGHTING @ 125% (CONTINUOUS LOAD) - 283 VA @ 125% = 354VA
 REC. 1ST 10 KVA @ 100% - 180 VA @ 100% = 180VA
 MISC @ 100% - 14220 VA @ 100% = 14220VA

TOTAL = 22454 VA (94 AMPS)

2
E-3
N.T.S.
PROPOSED PANEL SCHEDULE



3
E-3
N.T.S.
EXTERIOR LIGHT CIRCUIT



5
E-3
N.T.S.
SERVICE DISCONNECT GROUNDING AND BONDING DIAGRAM

ELECTRICAL & GROUND SYMBOLS:

- ⊗ GROUND ROD WITH ACCESS
- ⊗ 5/8"x10'-0" COPPERCLAD GROUND ROD
- ⊞ DISCONNECT SWITCH
- ⊞ METER
- ⊞ CIRCUIT BREAKER
- ⊞ GENERATOR
- CADWELD TYPE CONNECTION (EXOTHERMIC WELD)
- ▲ MECHANICAL TYPE CONNECTION
- GROUNDING WIRE
- POWER WIRE
- TELCO WIRE

ABBREVIATIONS:

- AWG AMERICAN WIRE GAUGE
- BCTW BARE COPPER TINNED WIRE
- GPS GLOBAL POSITIONING SYSTEM
- PCS PERSONAL COMMUNICATION SYSTEM
- PPC POWER PROTECTION CABINET
- PRC PRIMARY RADIO CABINET
- RWY RACEWAY
- TYP TYPICAL
- RGS RIGID GALVANIZED STEEL
- EMT ELECTRICAL METALLIC TUBING
- DWG DRAWING
- IGR INTERIOR GROUND RING (HALO)
- ACCA ANTENNA CABLE COVER ASSEMBLY
- MGB MASTER GROUND BAR
- BTS BASE TRANSMISSION SYSTEM
- GEN GENERATOR
- GR GROWTH
- SIW STRANDED INSULATED COPPER WIRE

CROWN CASTLE FIBER
 80 CENTRAL STREET
 BOXBOROUGH, MASSACHUSETTS 01719
 PHONE (978) 264-6000

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 Atlanta, GA 30344
 Tel: 770-379-8500 Fax: 770-375-8501
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SCHEDULE OF REVISIONS

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DRAWN BY: CG
CHECKED BY: AC
SCALE: NOTED
JOB NO: 230307600/876375

DRAWING TITLE:
ONE LINE DIAGRAM & PANEL SCHEDULE

DRAWING SHEET:
E-3

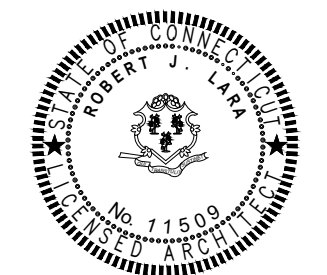
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53 WESTMINSTER ROAD
CANTERBURY, CT 0331
JURISDICTION:
WINDHAM COUNTY

SHEET NO. 11 OF 29



Know what's below. Call before you dig.

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ROBERT J. LARA
 REGISTERED ARCHITECT
 STATE OF CONNECTICUT
 11500

SCHEDULE OF REVISIONS

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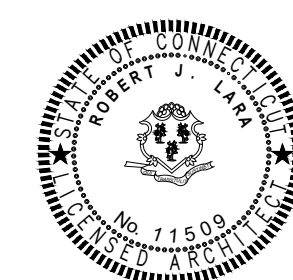
ELECTRICAL FUSED SWITCH DETAIL

DRAWING SHEET:

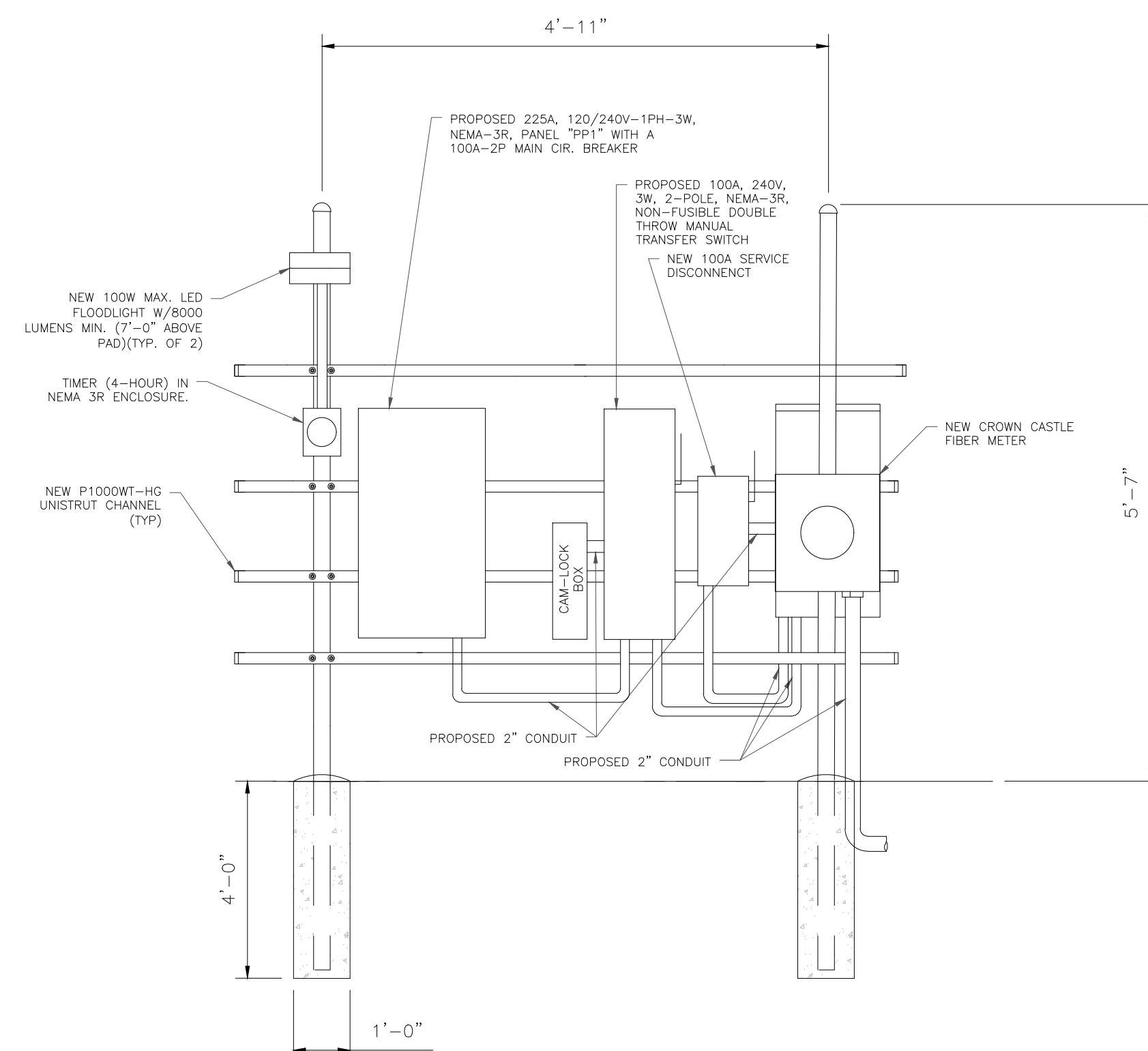
E-4

SITE INFORMATION:
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53 WESTMINSTER ROAD
CANTERBURY, CT 0331
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SHEET NO. 12 OF 29

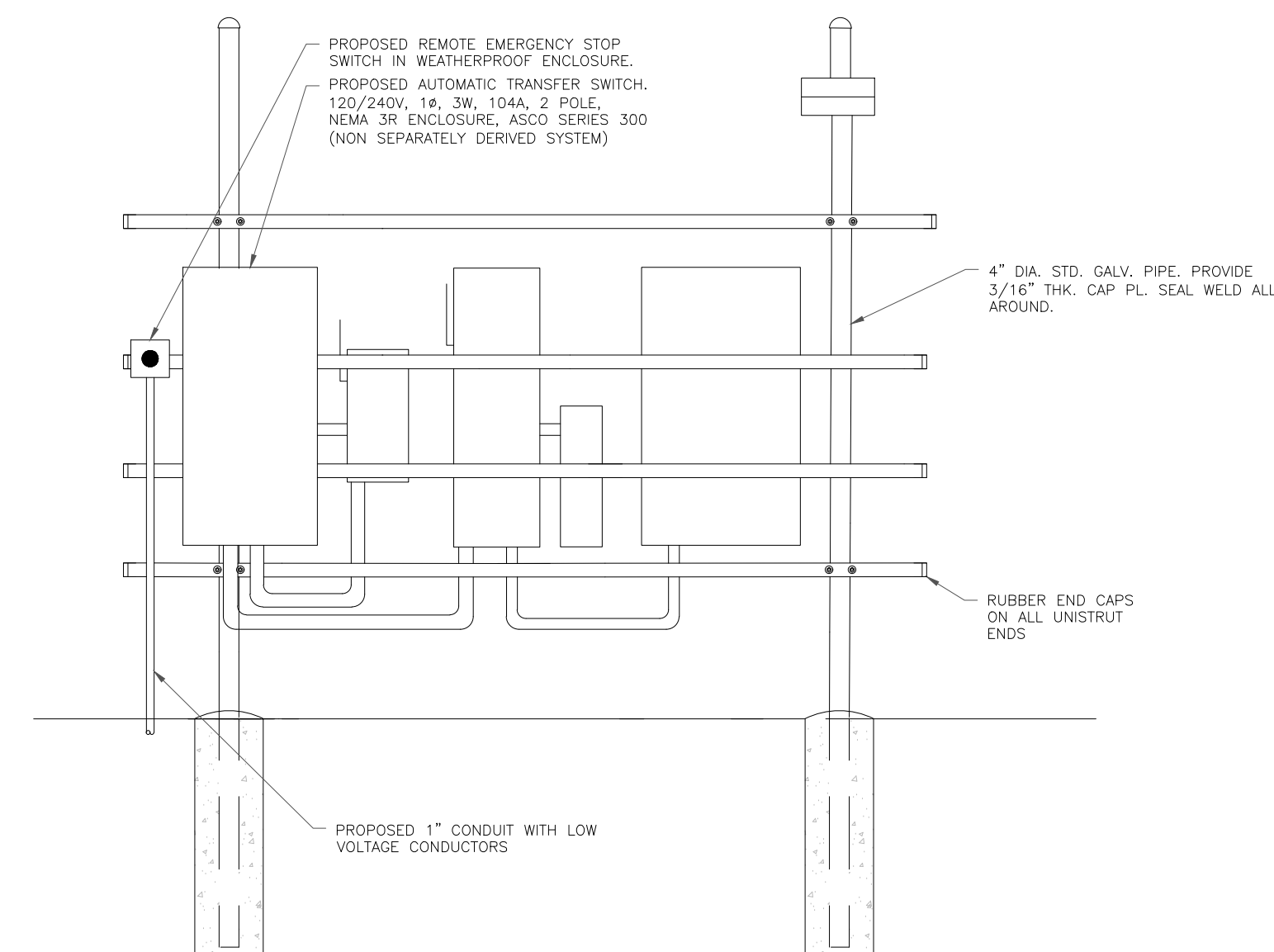


ROBERT JERRY LARA
REGISTERED ARCHITECT
STATE OF CONNECTICUT
11500



H-FRAME DETAIL

FRONT



H-FRAME DETAIL

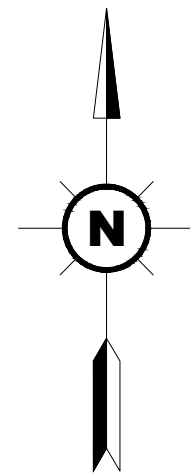
BACK

1
E-4
H-FRAME DETAIL
N.T.S.

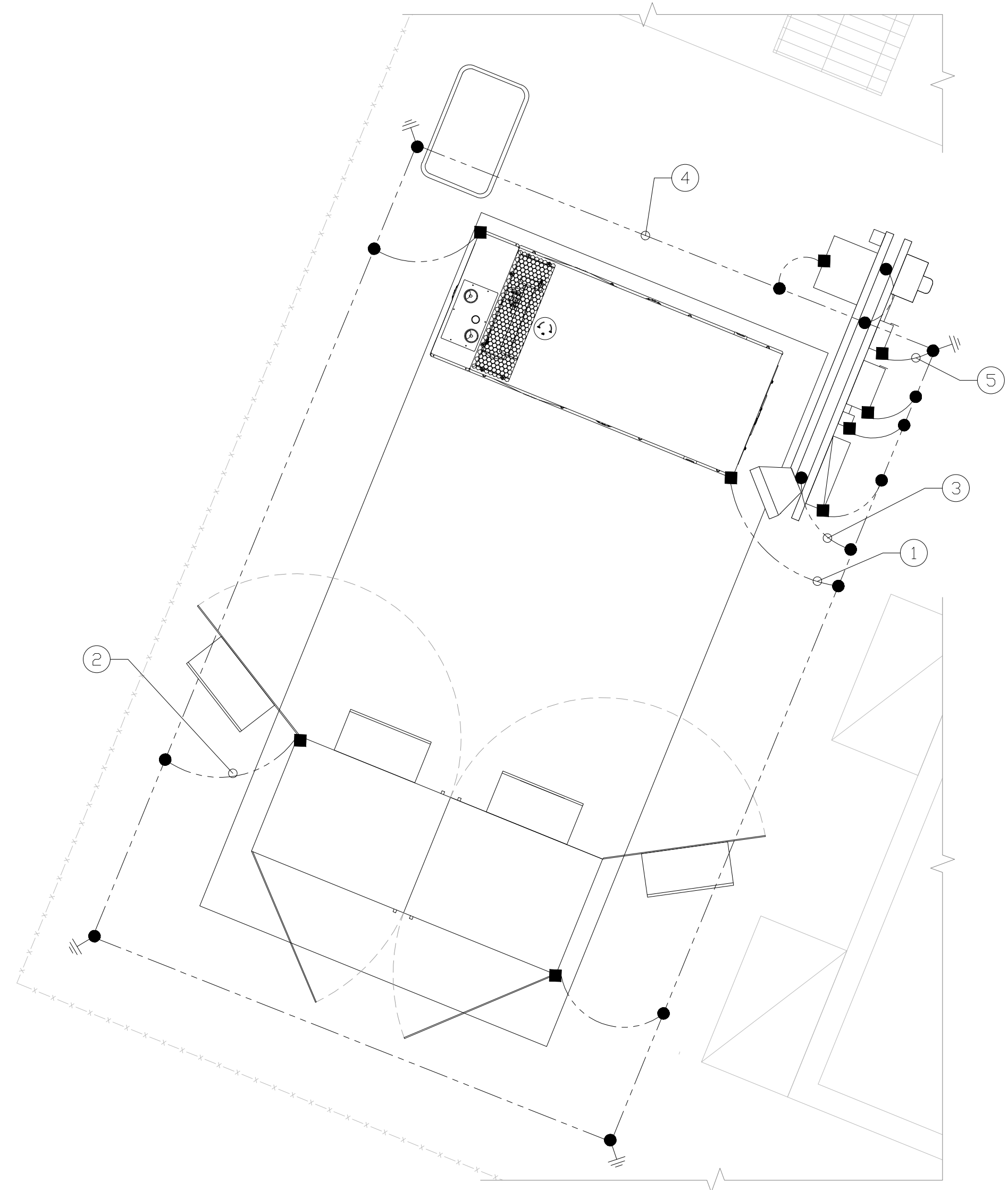
HEAVY DUTY SAFETY SWITCHES
VISIBLE BLADE TYPE
200 AMPERE - SERIES F5
ENCLOSURE - NEMA TYPE 3R RAINPROOF
SEISMIC



DWG# 3262S
No. 3262S



GROUNDING PLAN LEGEND:
 ● EXOTHERMIC WELD
 ■ MECHANICAL CONNECTION



GROUNDING NOTES:

1. ALL GROUNDING SYSTEM CONDUCTORS AND CONNECTIONS BELOW GRADE SHALL BE THERMAL WELDS AT GROUND RODS AND AT A MINIMUM OF 36" BELOW GRADE.
2. ALL INSTALLATIONS SHALL BE FIELD VERIFIED.
3. ALL GROUND WIRE SHALL BE #2 AWG BARE COPPER TINNED UNLESS NOTED OTHERWISE.
4. ALL GROUND WIRES SHALL PROVIDE A STRAIGHT DOWNWARD PATH TO GROUND WITH GRADUAL BEND AS REQUIRED. GROUND WIRES SHALL NOT BE LOOPED OR SHARPLY BENT.
5. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF GROUND RODS AND GROUND RING WITH FOUNDATION AND UNDERGROUND CONDUIT.
6. GENERATOR SHALL BE CONNECTED WITH (2) #2 AWG INSULATED SOLID TINNED COPPER WIRE TO GROUND BAR OR GROUND RING.
7. KOPR-SHIELD ANTI-OXIDATION COMPOUND SHALL BE USED ON ALL GROUNDING CONNECTIONS.
8. ALL BOLTED GROUNDING CONNECTIONS SHALL BE INSTALLED WITH A LOCK WASHER UNDER THE NUT. HARDWARE FOR BOLTED CONNECTIONS SHALL BE A MINIMUM OF 3/8" DIAMETER AND SHALL BE STAINLESS STEEL.
9. GROUNDING WIRE SHALL NOT BE INSTALLED OR ROUTED THROUGH HOLES IN ANY METAL OBJECTS OR SUPPORTS TO PRECLUDE ESTABLISHING A "CHOKE" POINT.
10. PLASTIC CLIPS OR METAL CLIPS WHICH DO NOT COMPLETELY SURROUND THE GROUNDING CONDUCTORS SHALL BE USED TO FASTEN AND SUPPORT GROUNDING CONDUCTORS. FERROUS METAL CLIPS WHICH COMPLETELY SURROUND THE GROUNDING CONDUCTOR SHALL NOT BE USED.

KEY NOTES:

- ① (P) (2) #2 AWG SBTC CONDUCTORS BONDING GENERATOR TO GROUND RING (EACH AT OPPOSITE CORNERS)
- ② (P) #2 AWG SBTC CONDUCTORS BONDING EQUIPMENT CABINET TO GROUND RING. EXACT QUANTITY OF BINDS SHALL BE DETERMINED PER MANUF. SPECS.
- ③ (P) #2 AWG SBTC CONDUCTOR BONDING H-FRAME POSTS TO GROUND RING.
- ④ APPROXIMATE LOCATION OF #2AWG SOLID BARE TINNED GROUND GRING. GROUND RING SHALL BE BURIED 30" BELOW THE FROST LINE OR 36" BELOW GRADE, WHICHEVER IS GREATER. EXACT LOCATION AND NUMBER OF GROUND RODS TO BE DETERMINED ON SITE AND BASED ON "FALL OF POTENTIAL GROUND RESISTANCE METHOD" FRO RESISTANCE < 5 OHMS. UNLESS OTHERWISE NOTED, DRIVEN GROUND RODS ARE TO BE BURIED AT 16 FEET INTERVALS.
- ⑤ (P) #2 AWG SBTC CONDUCTOR BONDING METAL ENCLOSURE OF H-FRAME ELEC. EQUIPMENT TO GROUND RING.



80 CENTRAL STREET
 BOXBOROUGH, MASSACHUSETTS 01719
 PHONE (978) 264-6000



66 Perimeter Center East, Suite 600
 Atlanta, Ga 30346
 Tel:770-379-8500 Fax:770-375-8501
 www.morrisonhershfield.com

SCHEDULE OF REVISIONS

REV. NO.	DATE	DESCRIPTION OF CHANGES
0	05/31/24	ISSUED FOR PERMIT
B	05/31/24	ISSUED FOR CLIENT REVIEW
A	05/02/24	ISSUED FOR CLIENT REVIEW

DRAWN BY: CG
CHECKED BY: AC
SCALE: NOTED
JOB NO: 230307600/876375

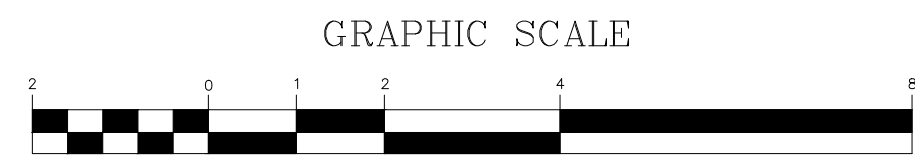
DRAWING TITLE:
**EQUIPMENT
 GROUNDING PLAN**

DRAWING SHEET:
G-1

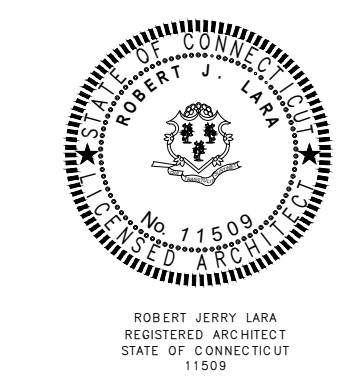
SITE INFORMATION:
SITE NAME:
CANTERBURY / LEMIRE
SITE ADDRESS:
**53 WESTMINSTER ROAD
 CANTERBURY, CT 0331**
JURISDICTION:
WINDHAM COUNTY

SHEET NO. 13 OF 29

HUT GROUNDING PLAN
 SCALE: 1/2" = 1'-0"



(IN FEET)
 1/2 inch = 1 ft.
 (SCALE BASED ON FULL SIZE 24"x36" SHEETS ONLY)
 (DO NOT USE SCALE ON OTHER SIZED DRAWINGS)



SCHEDULE OF REVISIONS

REV. NO.	DATE	DESCRIPTION OF CHANGES
0	05/31/24	ISSUED FOR PERMIT
B	05/31/24	ISSUED FOR CLIENT REVIEW
A	05/02/24	ISSUED FOR CLIENT REVIEW

DRAWN BY:	CG
CHECKED BY:	AC
SCALE:	NOTED
JOB NO:	230307600/876375

DRAWING TITLE:

GROUNDING DETAILS

DRAWING SHEET:

G-2

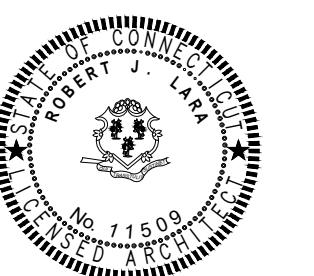
SITE INFORMATION:

SITE NAME:
CANTERBURY / LEMIRE

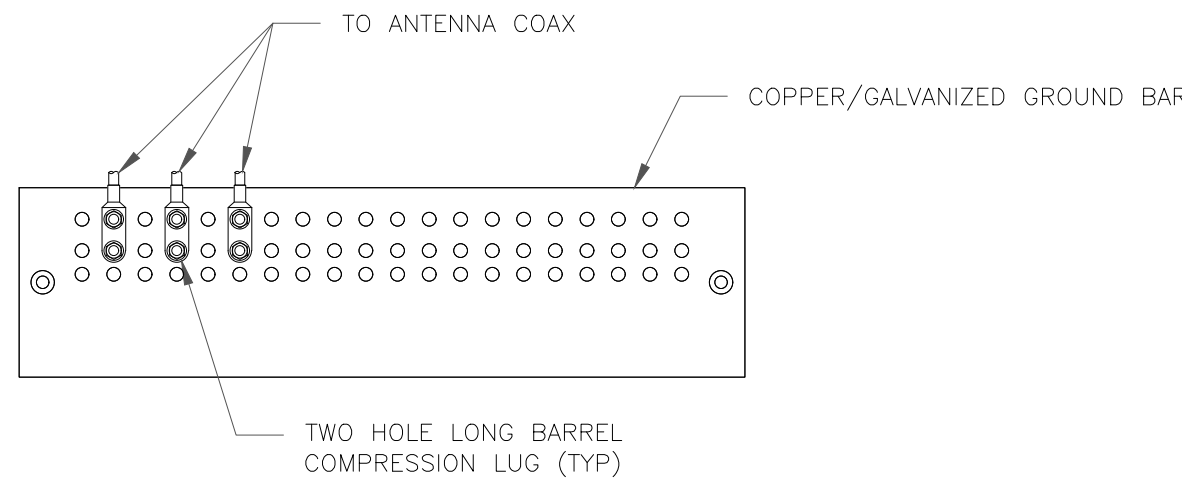
SITE ADDRESS:
**53 WESTMINSTER ROAD
CANTERBURY, CT 0331**

JURISDICTION:
WINDHAM COUNTY

SHEET NO. 14 OF 29



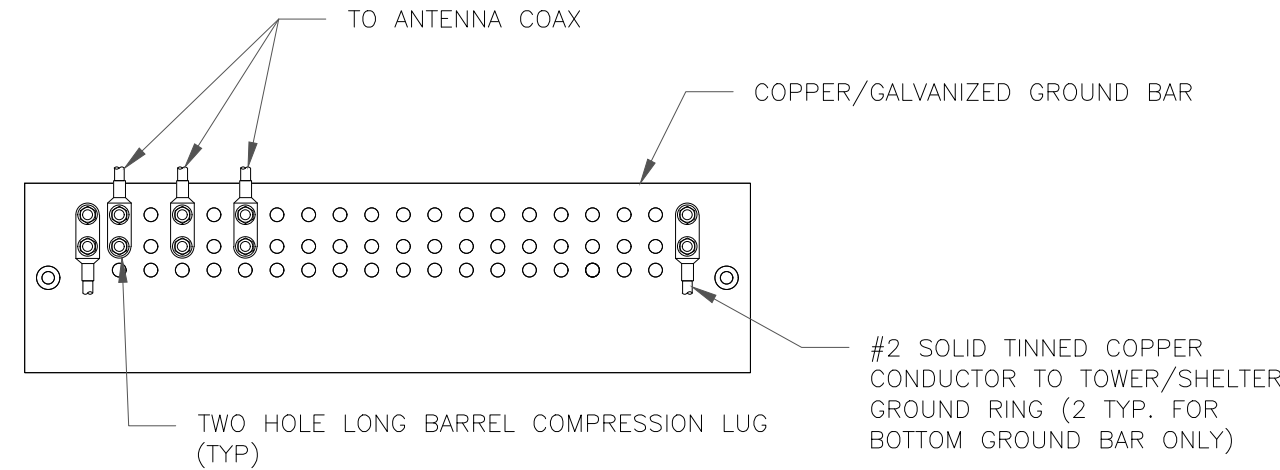
ROBERT J. LARA
REGISTERED ARCHITECT
STATE OF CONNECTICUT
11500



NOTES:

- DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
- EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
- GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO ANTENNA MOUNT STEEL.

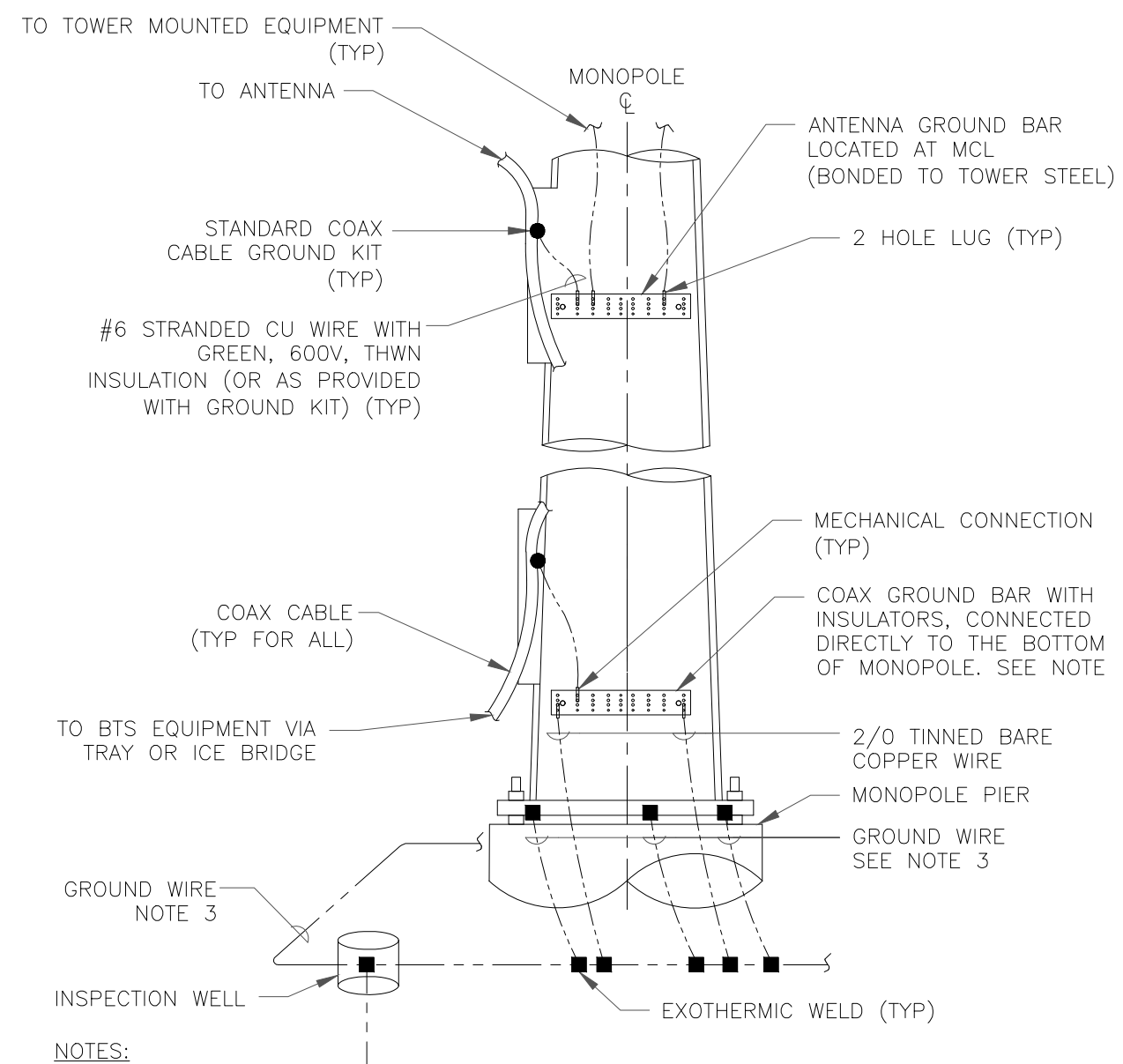
1 G-2 NTS ANTENNA SECTOR GROUND BAR DETAIL



NOTES:

- EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
- GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
- GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

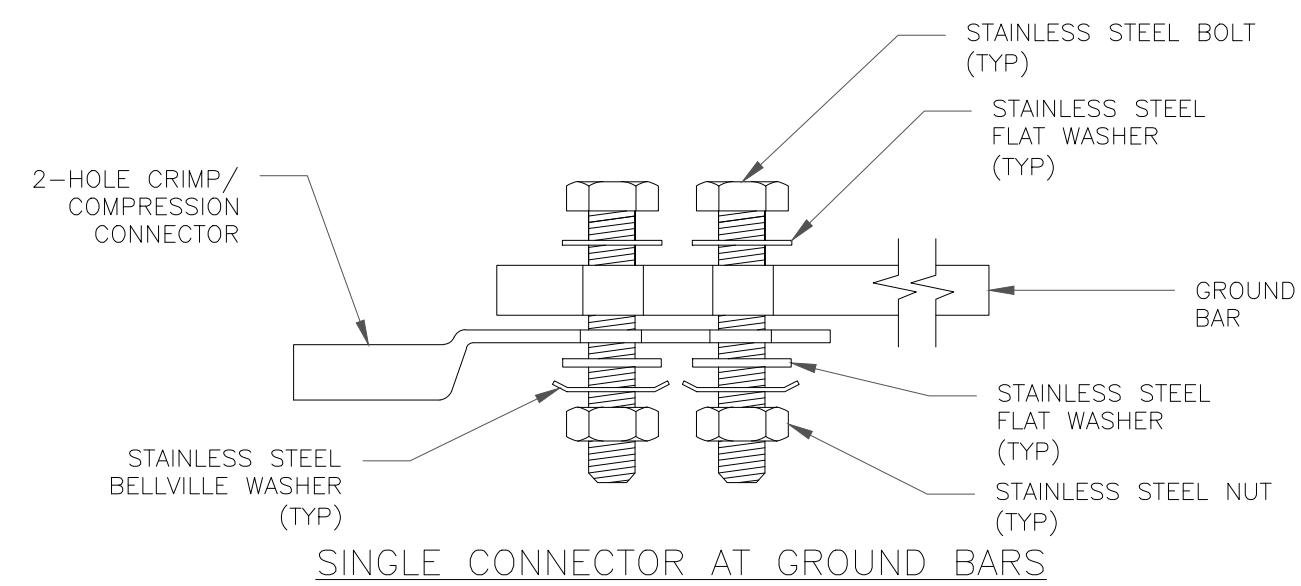
2 G-2 NTS TOWER/SHELTER GROUND BAR DETAIL



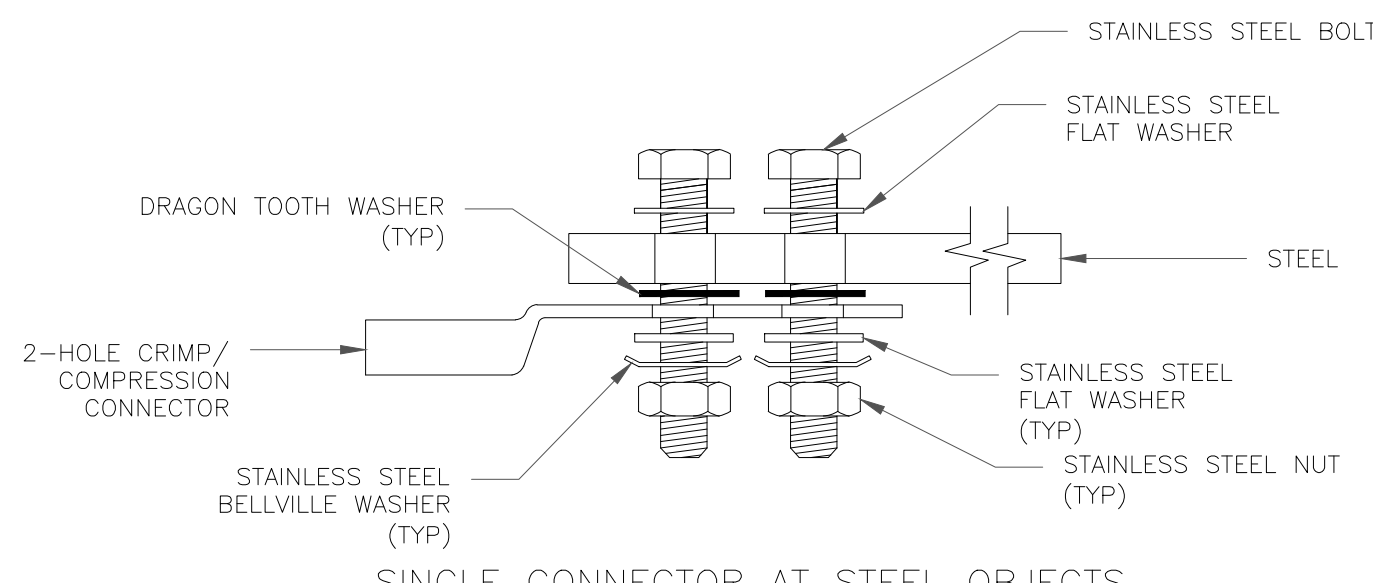
NOTES:

- NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. COAXIAL CABLES EXCEEDING 200 FEET ON THE TOWER SHALL HAVE GROUND KITS AT THE MIDPOINT. PROVIDE AS REQUIRED.
- ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO CROWN CASTLE USA INC. TOWERS. ALL MECHANICAL CONNECTIONS SHALL BE TREATED WITH AN ANTI-OXIDANT COATING.
- ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.

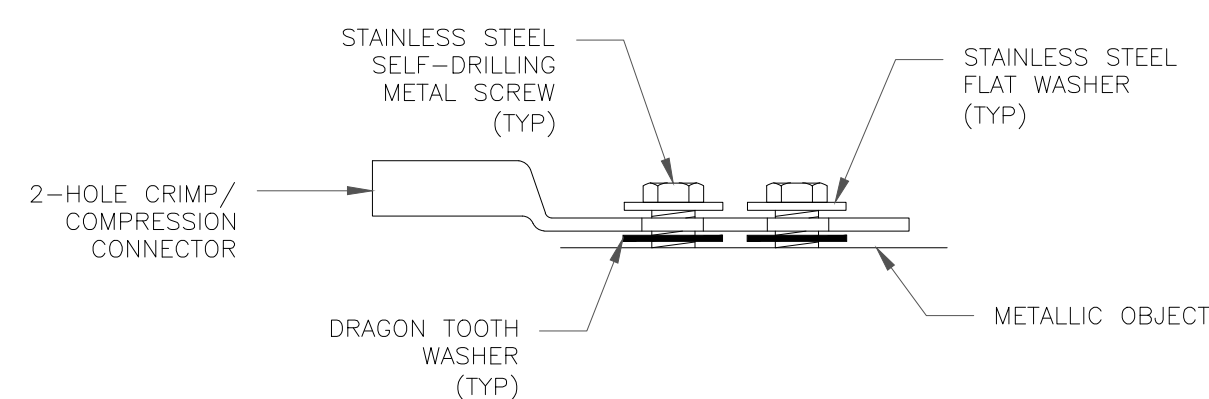
3 G-2 NTS TYPICAL ANTENNA CABLE GROUNDING



SINGLE CONNECTOR AT GROUND BARS

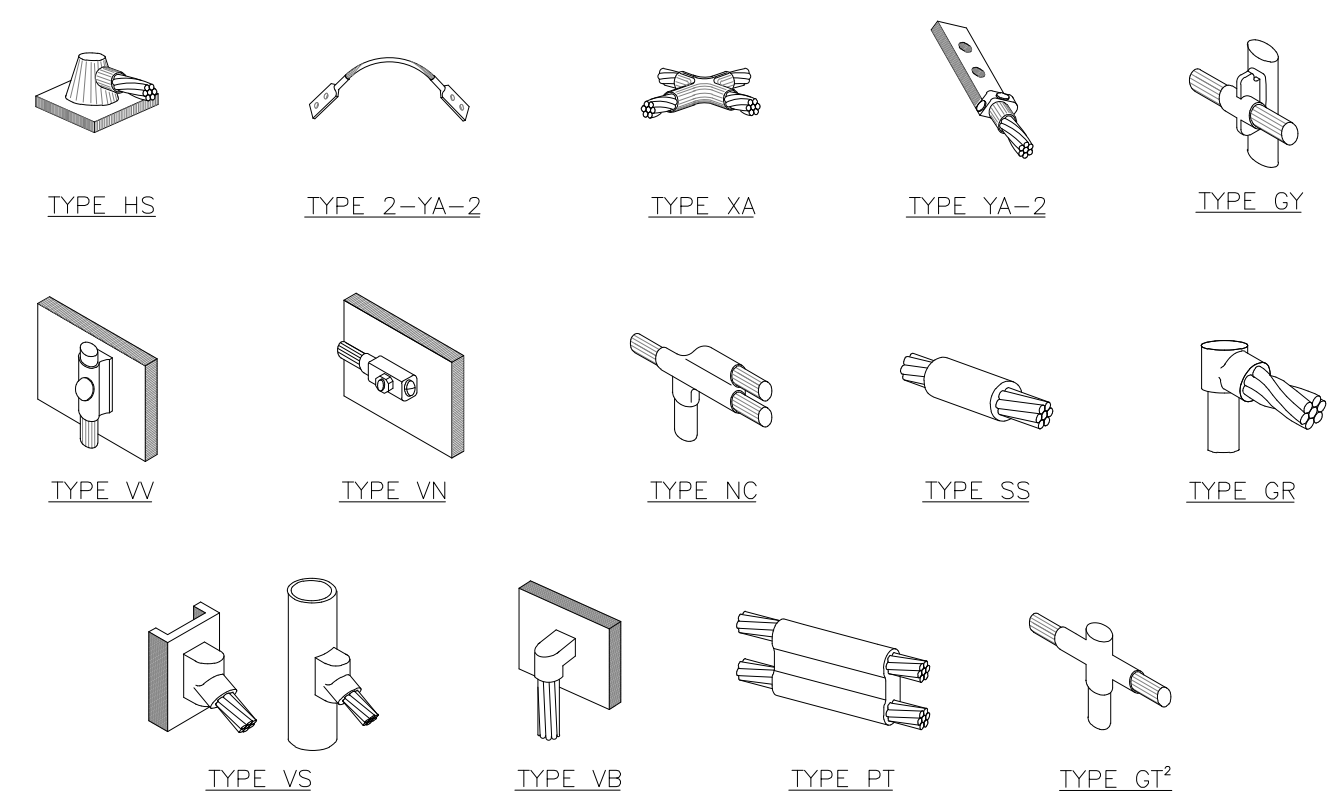


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

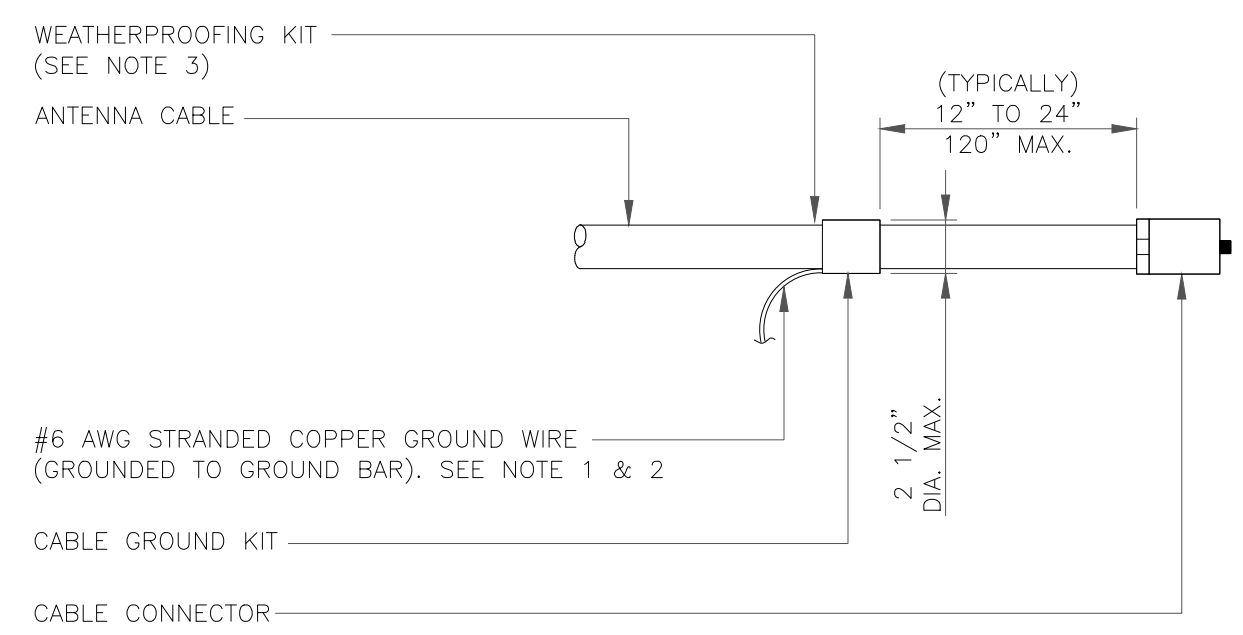
4 G-2 NTS HARDWARE DETAIL FOR EXTERIOR CONNECTIONS



NOTE:

1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

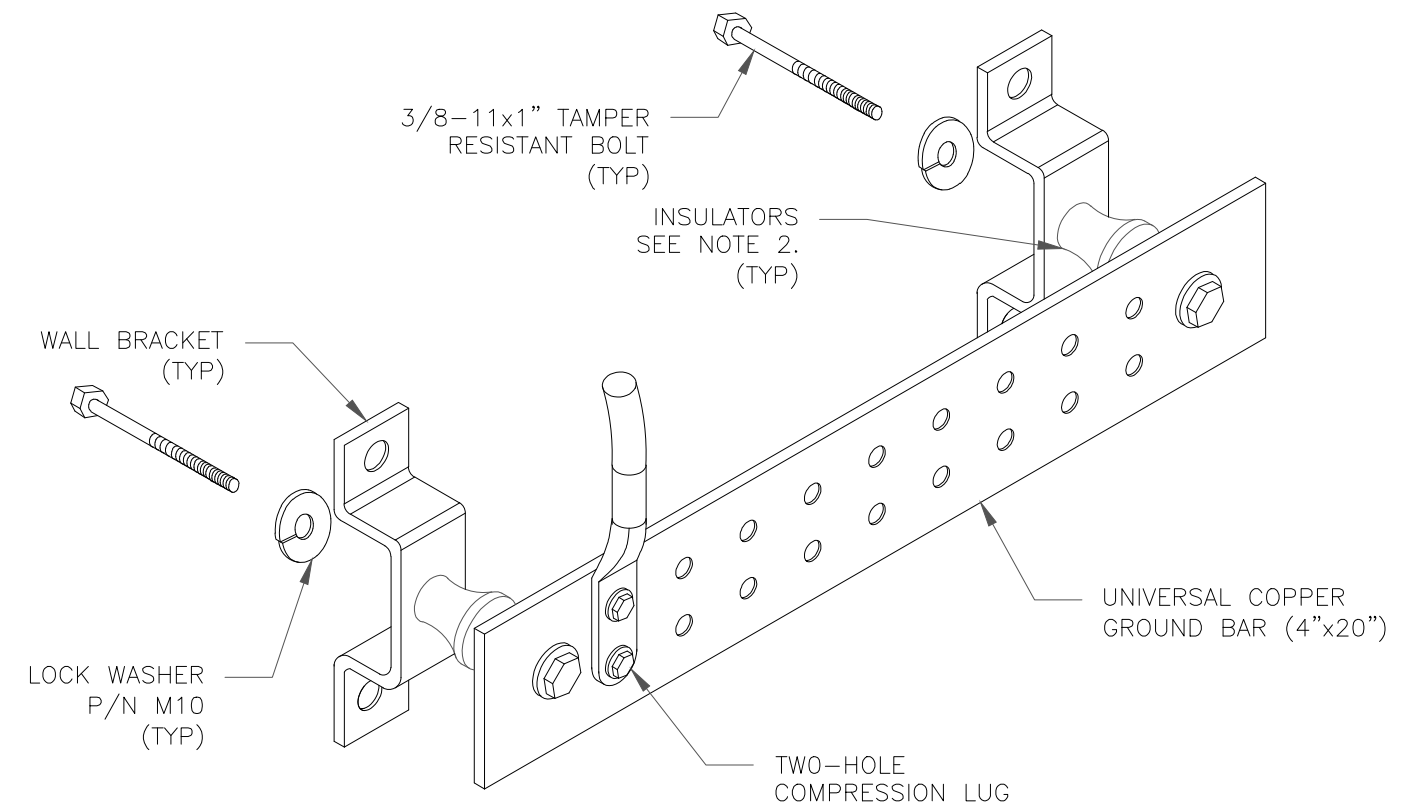
1 G-3 NTS CADWELD GROUNDING CONNECTIONS



NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

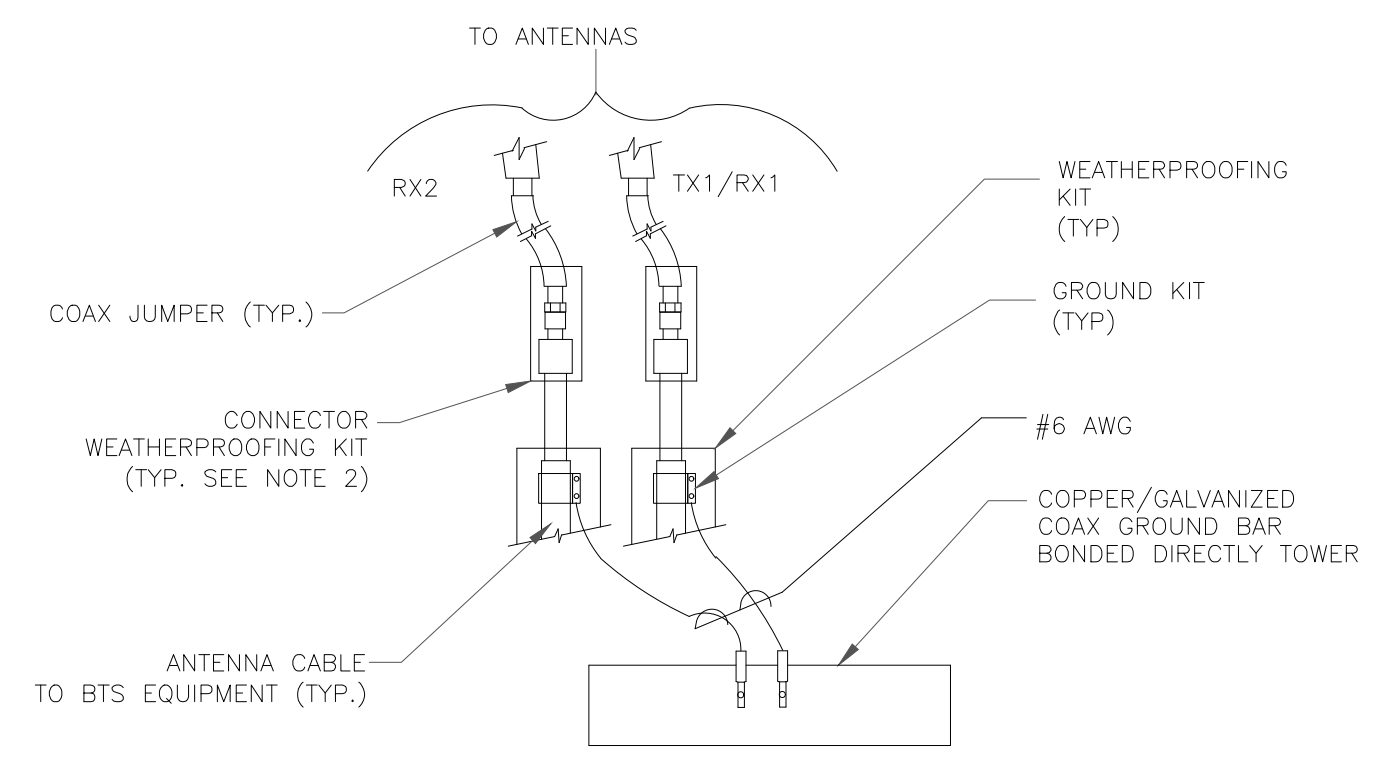
3 G-3 NTS CABLE GROUND KIT CONNECTION



NOTES:

1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY GAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL. USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

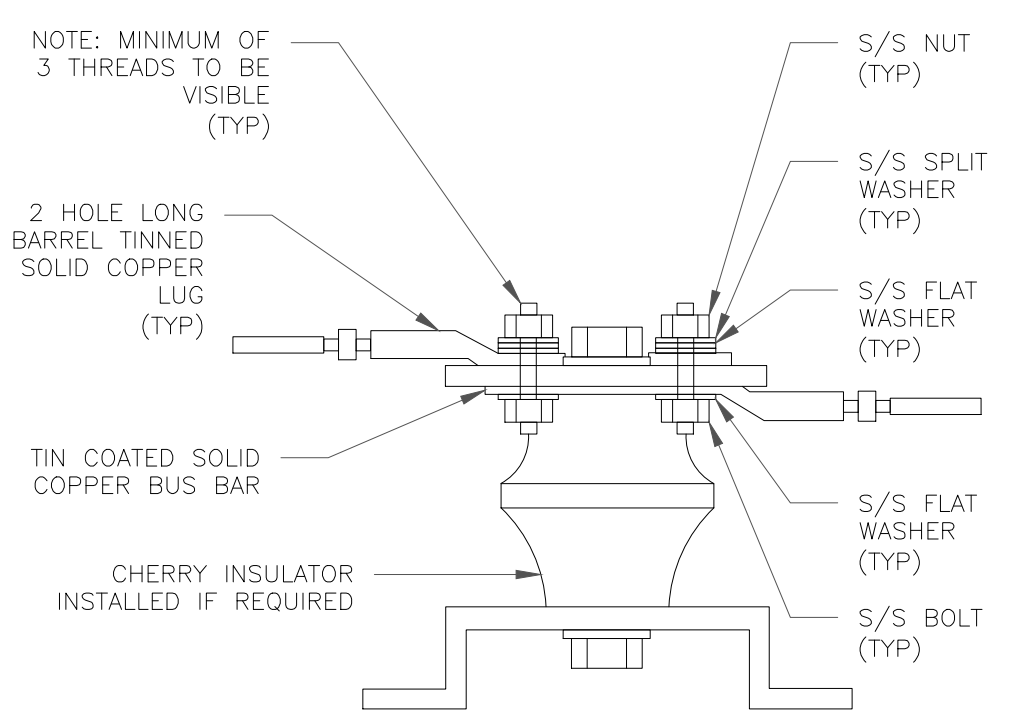
6 G-3 NTS GROUND BAR DETAIL



NOTES:

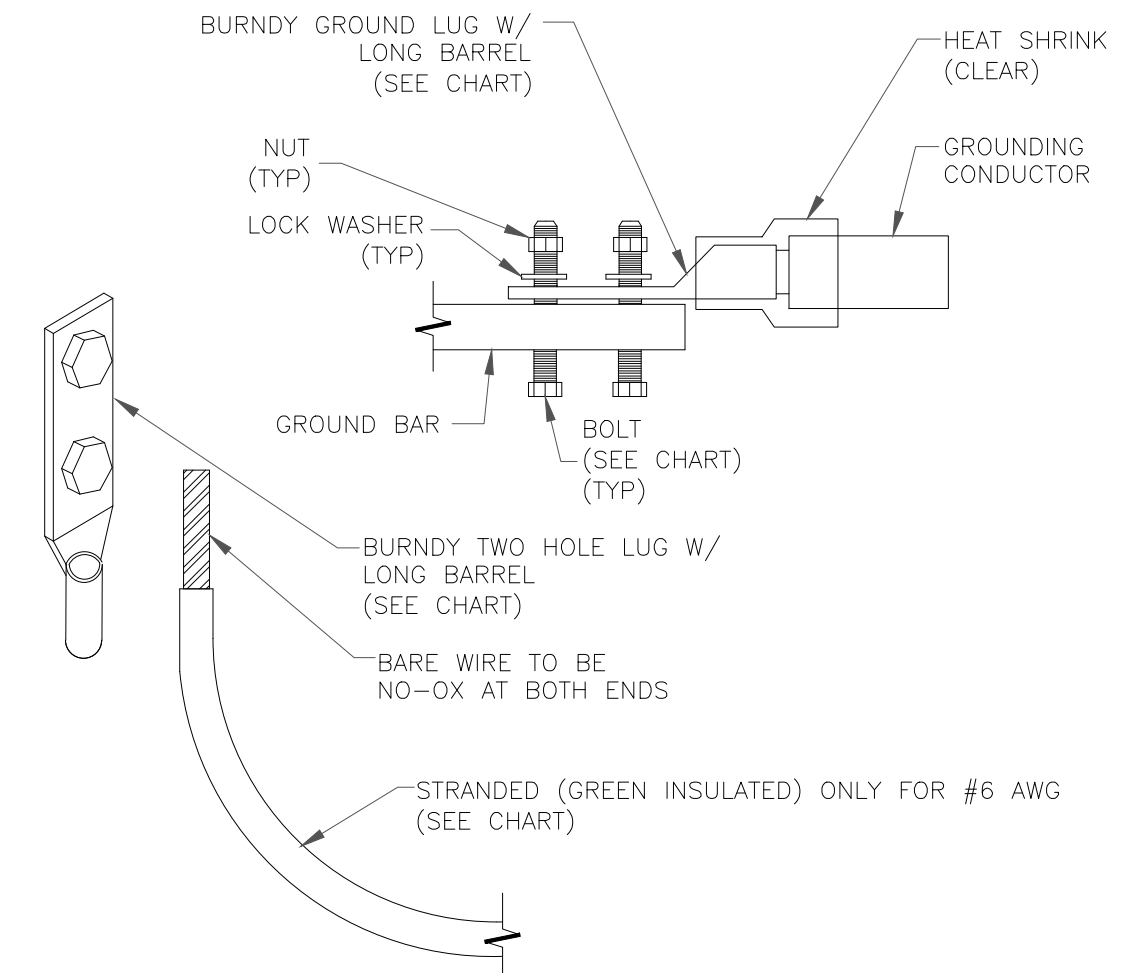
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 G-3 NTS GROUND CABLE CONNECTION



7 G-3 NTS LUG DETAIL

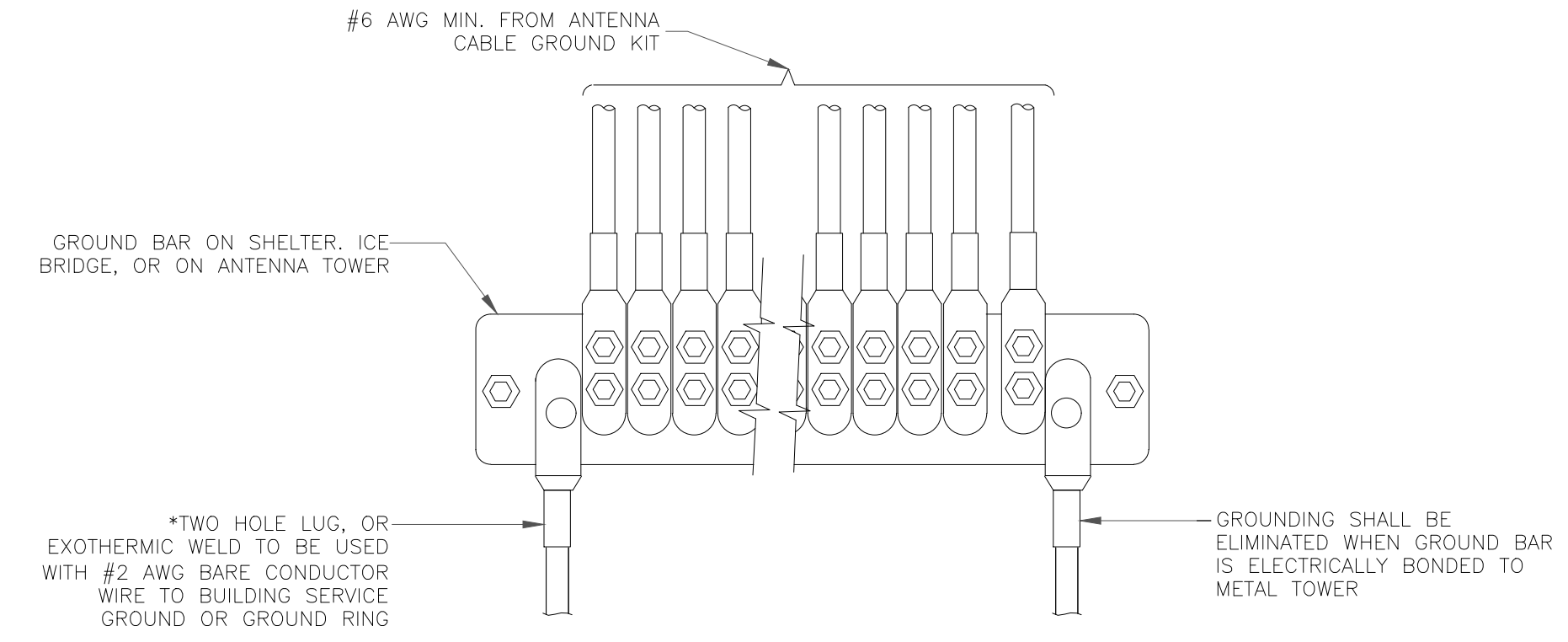
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

1. ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

2 G-3 NTS MECHANICAL LUG CONNECTIONS



5 G-3 NTS GROUNDWIRE INSTALLATION

SCHEDULE OF REVISIONS

REV. NO.	DATE	DESCRIPTION OF CHANGES
0	05/31/24	ISSUED FOR PERMIT
B	05/31/24	ISSUED FOR CLIENT REVIEW
A	05/02/24	ISSUED FOR CLIENT REVIEW

DRAWN BY: CG
CHECKED BY: AC
SCALE: NOTED
JOB NO: 230307600/876375

GROUNDING DETAILS

G-3

SITE INFORMATION:
SITE NAME:
CANTERBURY / LEMIRE
SITE ADDRESS:
53 WESTMINSTER ROAD
CANTERBURY, CT 0331

JURISDICTION:
WINDHAM COUNTY

SHEET NO. 15 OF 29



SCHEDULE OF REVISIONS

REV. NO.	DATE	DESCRIPTION OF CHANGES
0	05/31/24	ISSUED FOR PERMIT
B	05/31/24	ISSUED FOR CLIENT REVIEW
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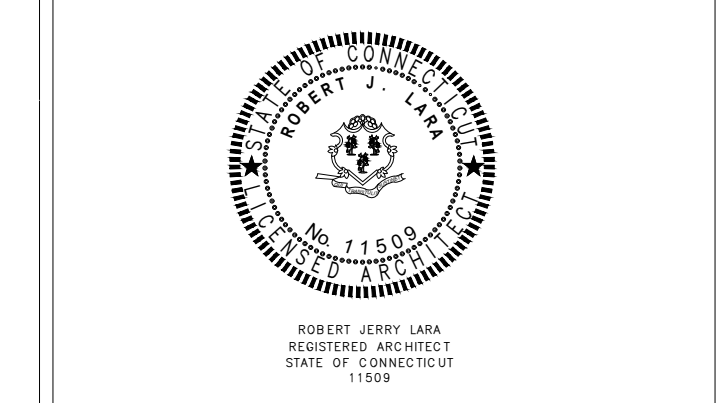
DRAWN BY: CG
CHECKED BY: AC
SCALE: NOTED
JOB NO: 230307600/876375

DRAWING TITLE:
OPTIONAL STANDBY GENERATOR DETAIL & SIGNAGE DETAILS

DRAWING SHEET:
D-1

SITE INFORMATION:
SITE NAME:
CANTERBURY / LEMIRE
SITE ADDRESS:
**53 WESTMINSTER ROAD
CANTERBURY, CT 0331**
JURISDICTION:
WINDHAM COUNTY

SHEET NO. 16 OF 29



SERVICE ITEM	
OIL FILL CAP	RIGHT SIDE
OIL DIP STICK	RIGHT SIDE
OIL FILTER	RIGHT SIDE
OIL DRAIN HOSE	RIGHT SIDE
RADIATOR DRAIN HOSE	RIGHT SIDE
AIR CLEANER ELEMENT	RIGHT SIDE
MUFFLER	FRONT
FAN BELT	EITHER SIDE
BATTERY	RIGHT SIDE

FOR ALL STUB-UP, WEIGHT AND C.O.G. DETAILS
SEE CORRESPONDING OPEN SET DRAWING
PER UNIT CONFIGURATION

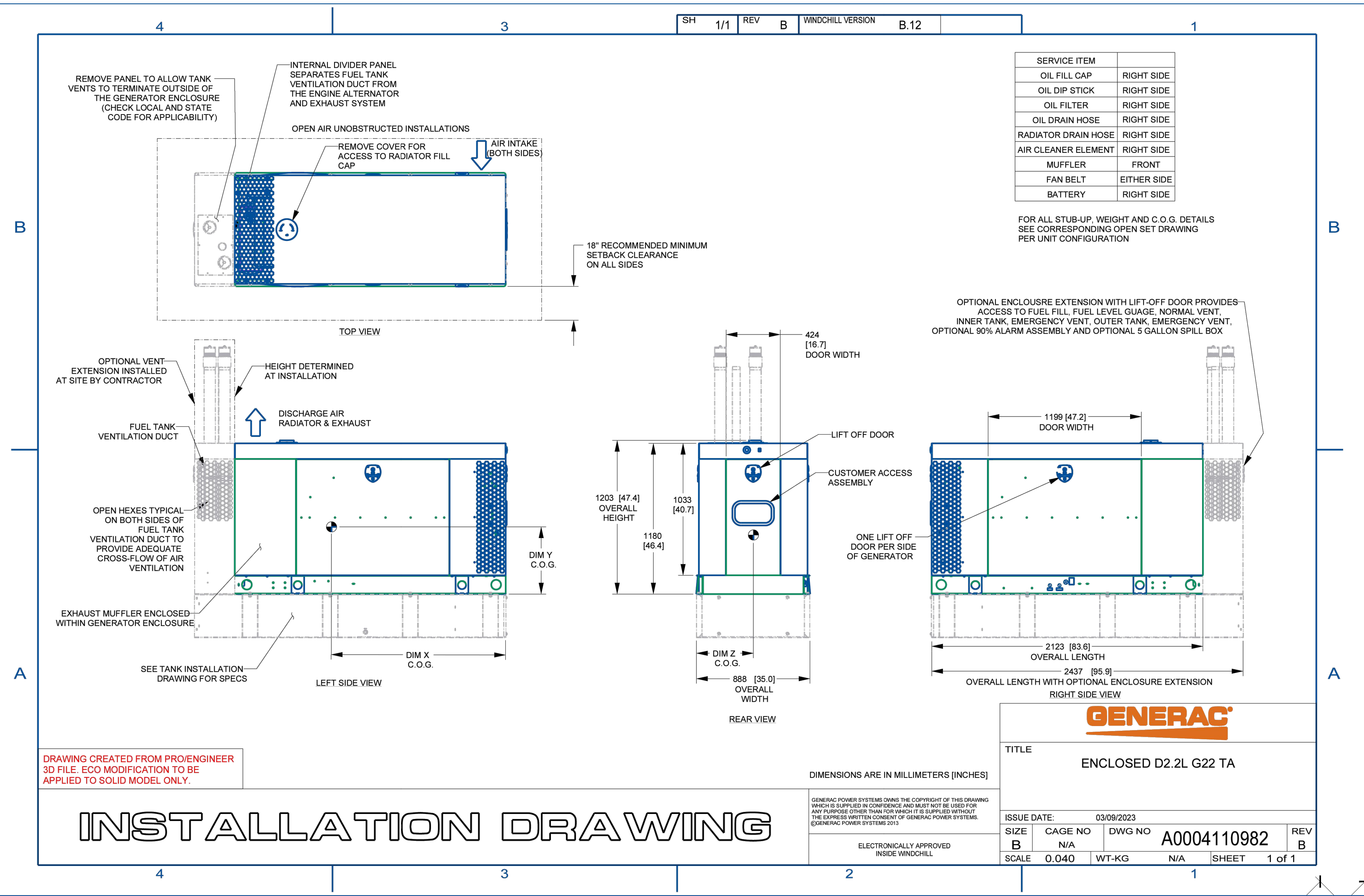
OPTIONAL ENCLOSURE EXTENSION WITH LIFT-OFF DOOR PROVIDES
ACCESS TO FUEL FILL, FUEL LEVEL GAUGE, NORMAL VENT,
INNER TANK, EMERGENCY VENT, OUTER TANK, EMERGENCY VENT,
OPTIONAL 90% ALARM ASSEMBLY AND OPTIONAL 5 GALLON SPILL BOX



PLACED ON (2) VISIBLE SIDES
OF (P) GENERATOR TANK



PLACED ON (2) VISIBLE SIDES
OF (P) GENERATOR TANK



DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

INSTALLATION DRAWING

DIMENSIONS ARE IN MILLIMETERS [INCHES]

GENERAC

TITLE: ENCLOSED D2.2L G22 TA

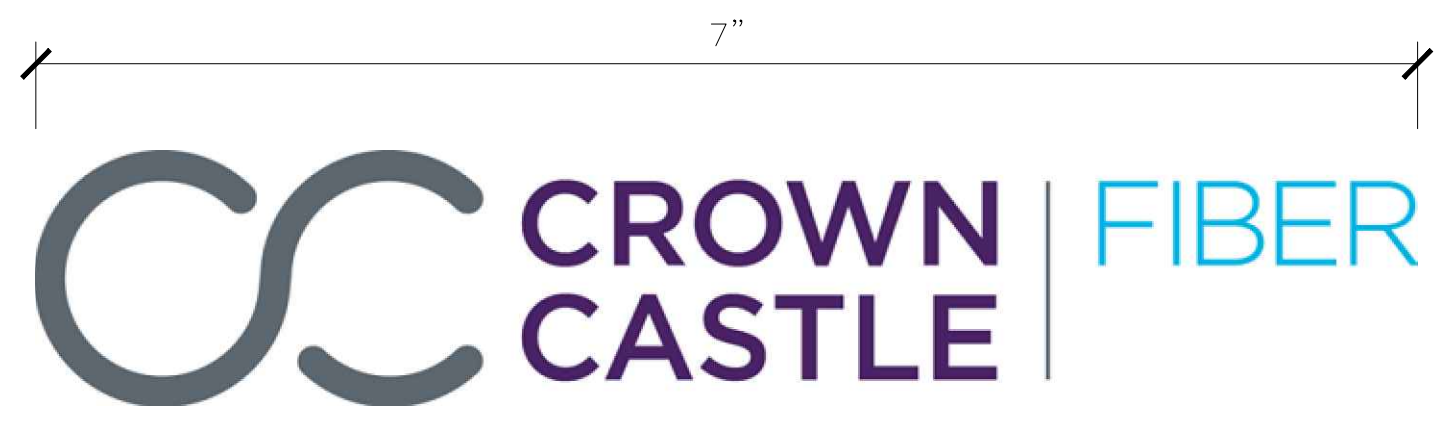
ISSUE DATE: 03/09/2023

SIZE B	CAGE NO N/A	DWG NO A0004110982	REV B
SCALE	0.040	WT-KG N/A	SHEET 1 of 1

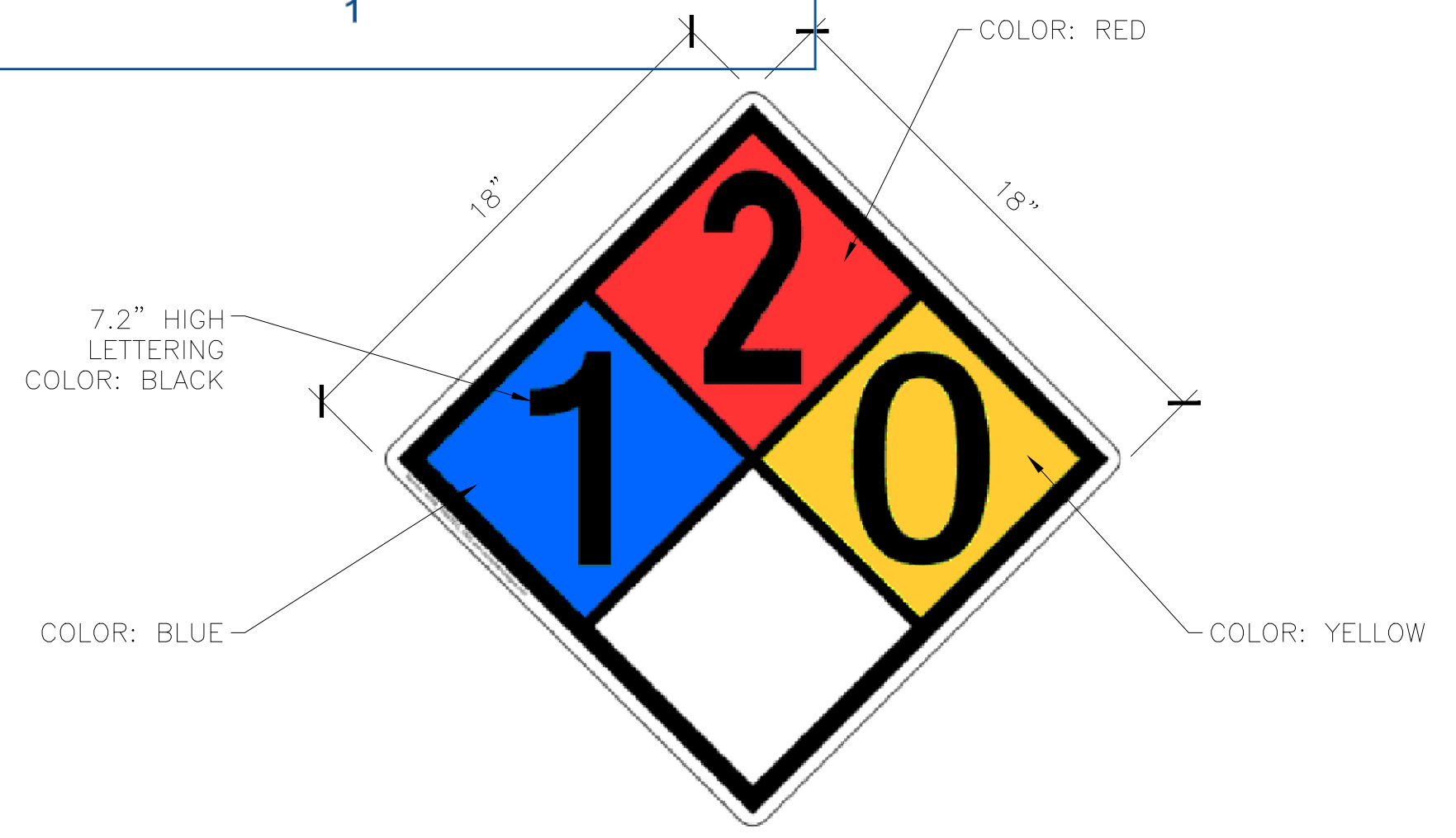
ELECTRONICALLY APPROVED INSIDE WINDCHILL

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PLACED ON (2) VISIBLE SIDES
OF (P) GENERATOR TANK



PLACED ON (2) VISIBLE SIDES
OF (P) GENERATOR TANK



66 Perimeter Center East, Suite 600
Atlanta, GA 30344
Tel: 770-379-8500 Fax: 770-375-8501
www.morrisonhershfield.com

SCHEDULE OF REVISIONS

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A	05/02/24	ISSUED FOR CLIENT REVIEW

DRAWN BY: CG
CHECKED BY: AC
SCALE: NOTED
JOB NO: 230307600/876375

DRAWING TITLE:

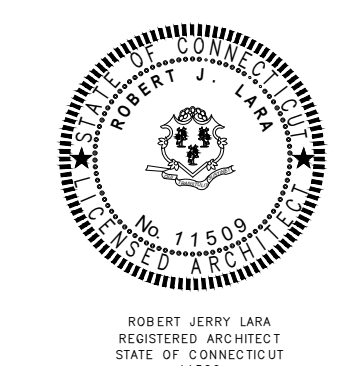
GENERATOR SPECS

DRAWING SHEET:

D-2

SITE INFORMATION:
SITE NAME:
CANTERBURY / LEMIRE
SITE ADDRESS:
53 WESTMINSTER ROAD
CANTERBURY, CT 0331
JURISDICTION:
WINDHAM COUNTY

SHEET NO. 17 OF 29



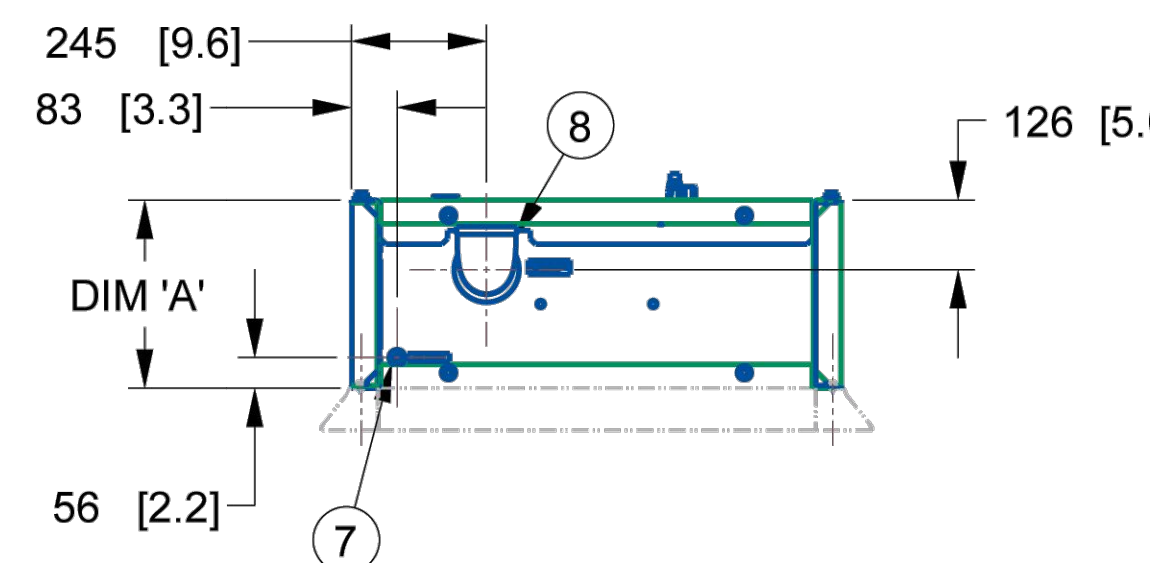
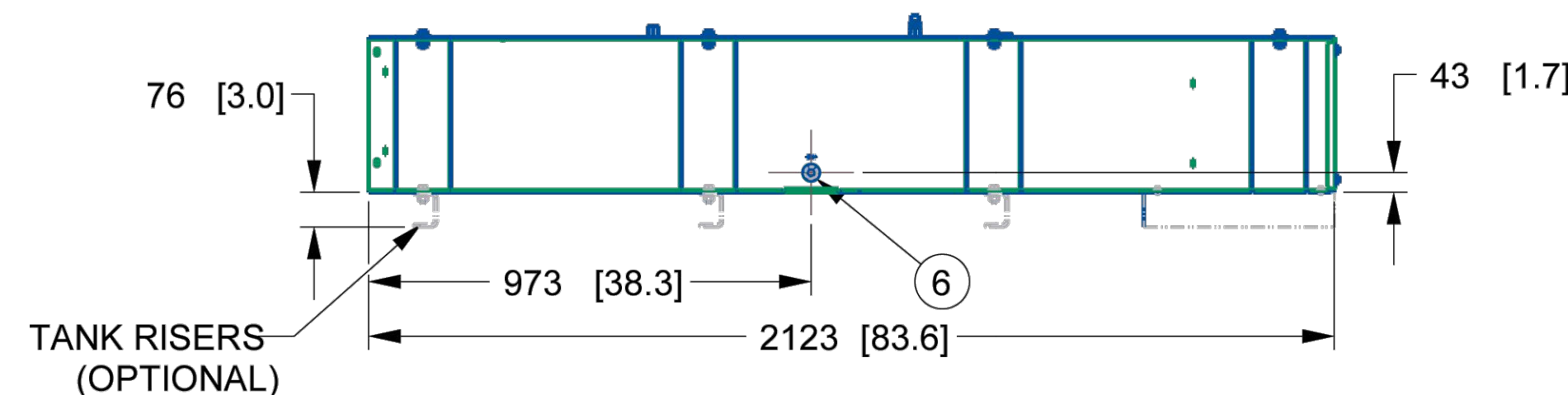
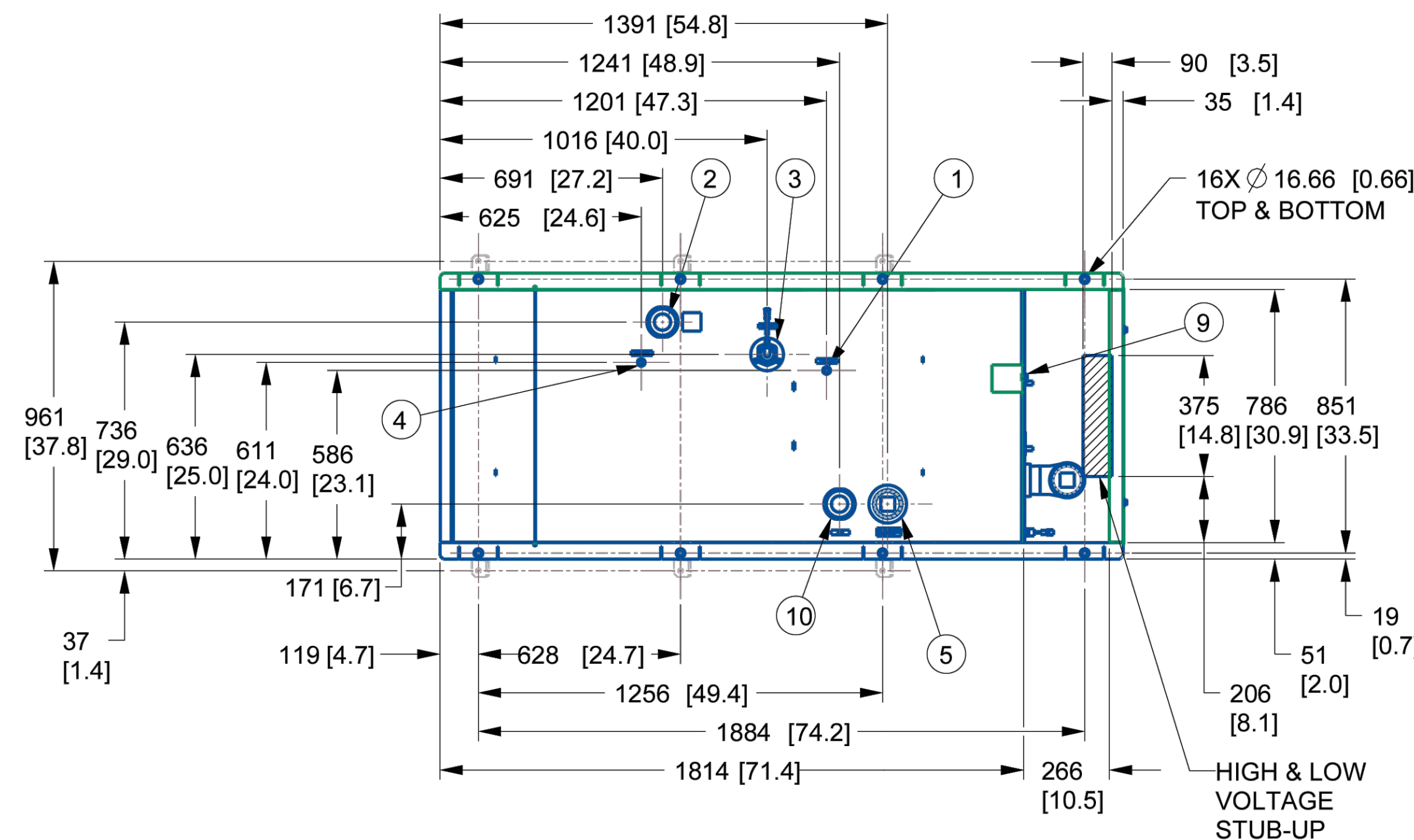
SH	1/1	REV	A	WINDCHILL VERSION	A.7	1
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I/N	TANK FITTING	PROVIDING FUNCTION
1	3/8" NPT COUPLING	FUEL SUPPLY
2	2" NPT WELD FLANGE	FUEL FILL
3	FUEL LEVEL OPENING	FUEL LEVEL
4	3/8" NPT COUPLING	FUEL RETURN
5	3" NPT WELD FLANGE	EMERGENCY VENT
6	3/4" NPT COUPLING	DRAIN
7	1/2" NPT HALF COUPLING	LEAK DETECTOR
8	3" NPT WELD FLANGE	OUTER EMERGENCY VENT
9	1/2" NPT HALF COUPLING	FLUID DETECTOR (OPTIONAL)
10	2" NPT WELD FLANGE	VENT

CAPACITY: LITER [GALLONS]
WEIGHT: KILOGRAMS [POUNDS]
LENGTH: MM [INCH]

UL #142 / ULC-S601 LISTED

TANK P/N	A0002750163	A0002753182	A0002803176
DIM 'A'	341 [13.4]	671 [26.4]	915 [36.0]
TOTAL CAPACITY	216 L [57 GAL]	522 L [138 GAL]	939 L [248 GAL]
USABLE CAPACITY	197 L [52 GAL]	492 L [130 GAL]	897 L [237 GAL]
DRY WEIGHT	234.8 KG [517.8 LB]	350.5 KG [772.7 LB]	465.0 KG [1025.1 LB]



DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

DIMENSIONS ARE IN MILLIMETERS [INCHES]

INSTALLATION DRAWING

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ELECTRONICALLY APPROVED INSIDE WINDCHILL



TITLE
BASETANK D2.2L G22 TA

ISSUE DATE:	04/03/2023				
SIZE	CAGE NO	DWG NO	A0004201971	REV	
B	N/A		A		
SCALE	0.050	WT-KG	N/A	SHEET	1 of 1

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Figure 2.5 Approximate Area Required for Installing 84"x 32" Cabinets

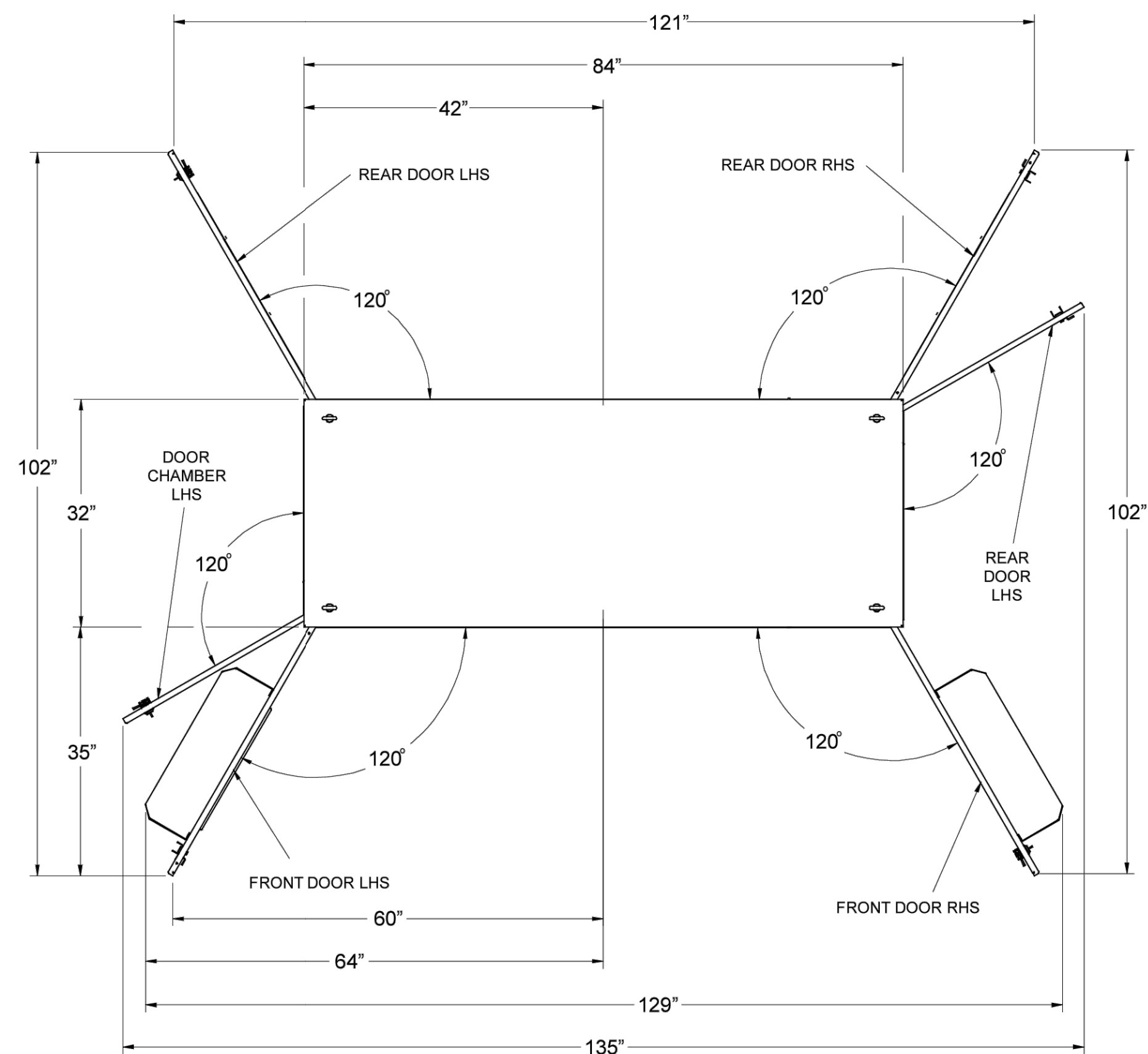
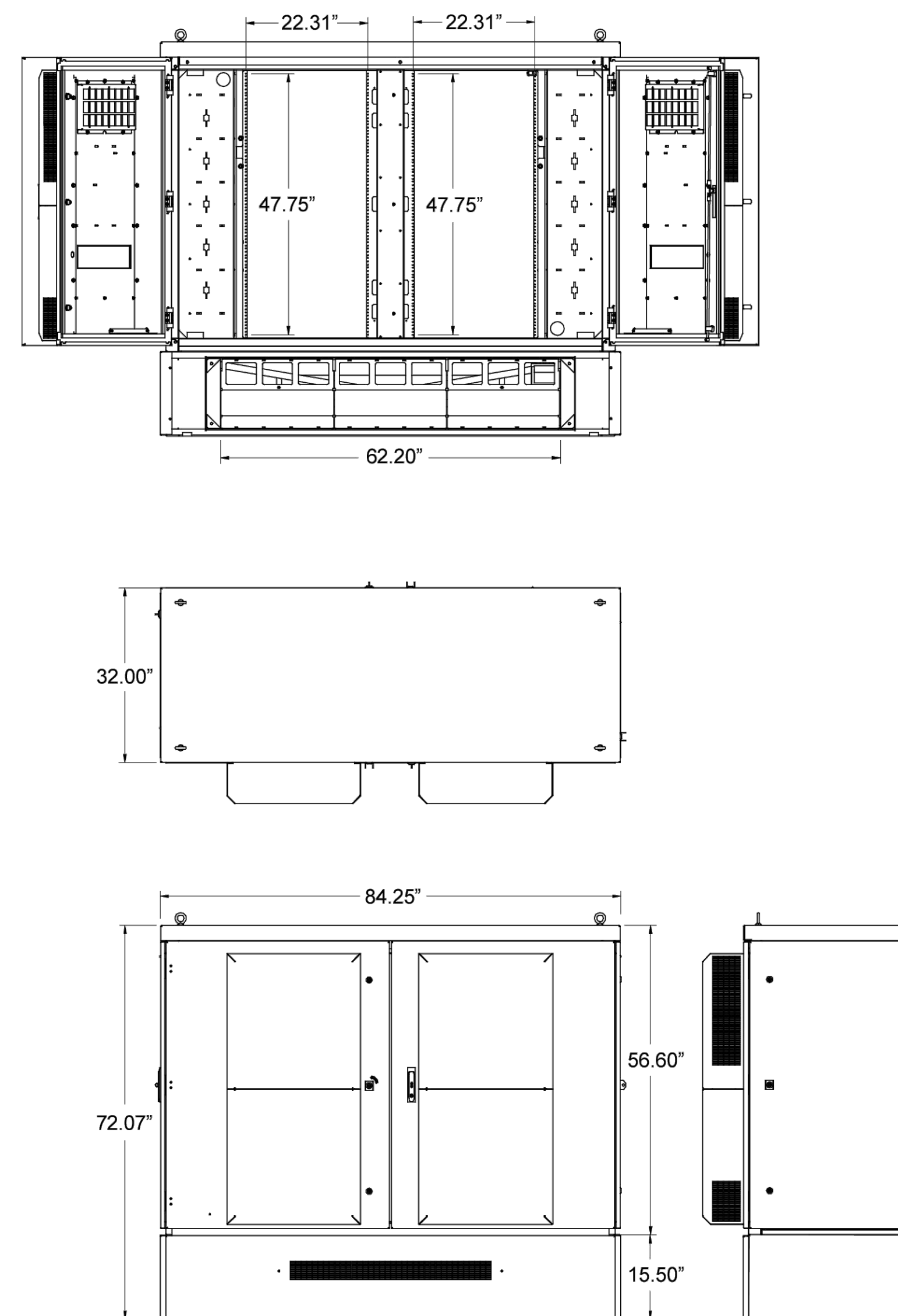


Figure 2.6 Vertiv™ XTE 601 Series Dual Bay Equipment Enclosure (84"W x 32"D) Dimensions



SCHEDULE OF REVISIONS

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A	05/02/24	ISSUED FOR CLIENT REVIEW

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SCALE:	NOTED
JOB NO:	230307600/876375

DRAWING TITLE:

EQUIPMENT SPECS

DRAWING SHEET:

D-4

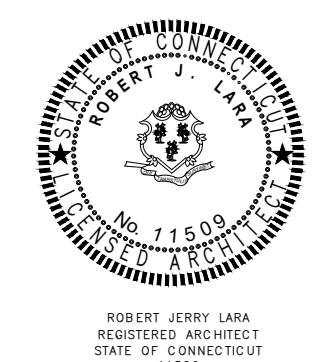
SITE INFORMATION:
SITE NAME:
CANTERBURY / LEMIRE
SITE ADDRESS:
53 WESTMINSTER ROAD
CANTERBURY, CT 0331
JURISDICTION:
WINDHAM COUNTY

SHEET NO. 19 OF 29

VERTIV FLEX 27 XTE 601 SPECIFICATIONS

1
D-4
NTS

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ROBERT J. LARA
REGISTERED ARCHITECT
STATE OF CONNECTICUT
11500

Product data sheet

Specifications



Safety switch, double throw, non fusable, 100A, 240VAC, 250VDC, 2 pole, 20HP, NEMA 3R, bolt on provision

DTJ229B

Product availability: Stock - Normally stocked in distribution facility

Price*: 1,347.00 USD

Main

Product	Double Throw Safety Switch
Duty Rating	Heavy duty
Disconnect Type	Non-fusible disconnect switch
Factory Installed Neutral	None
Number Of Poles	2
Current Rating	100 A
Voltage Rating	240 V AC 250 V DC
Enclosure Rating	NEMA 3
Motor Power Hp	15 hp at 240 V AC 60/40 Hz for 1 phase motors 20 hp at 200 V DC

Complementary

Short-Circuit Current	10 kA H or K 200 kA R, J or T
Fuse Type	H or K R, J or T
Mounting Type	Surface
Wire Size	AWG 12...AWG 10 aluminum AWG 14...AWG 10 copper
Tightening Torque	36 lbf-in (3.96 Nm) 0.00...0.01 in (0.00...0.26 mm) (AWG 14...AWG 10) 40 lbf-in (4.52 Nm) 0.00...0.01 in (0.27 mm) (AWG 8) 45 lbf-in (5.08 Nm) 0.02...0.03 in (1.58...3.54 mm) (AWG 6) 50 lbf-in (5.65 Nm) 0.04...0.05 in (2.67...3.54 mm) (AWG 6...AWG 4)

Depth	6.93 in (176.02 mm)
Width	11.96 in (303.76 mm)
Height	30.5 in (774.70 mm)
Net Weight	40.50 lb (18.37 kg)

Environment

Certifications UL Listed

Ordering and shipping details

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.



Category	UB100E100133
Discount Schedule	ODE1
Clm	72650133642
Returnability	Yes
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCF
Number Of Units In Package 1	1
Package 1 Height	10.30 in (261.82 cm)
Package 1 Width	12.90 in (327.76 cm)
Package 1 Length	33.00 in (838.82 cm)
Package 1 Weight	37.31 lb (16.92 kg)

Contractual warranty

Warranty 18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACH

Well-being performance

Reach Free Of Subst	Yes
Toxic Heavy Metal Free	Yes
Mercury Free	Yes
RoHS Exemption Information	Yes

Certifications & Standards

Reach Regulation	RoHS Declaration
Eu RoHS Directive	Compliant EU RoHS Declaration
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
California Proposition 65	WARNING: This product can expose you to chemicals including Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov



1 MTS SPEC

D-5 NTS

General Data

Enclosure dimensions (H x W x D)

23 x 10 x 9.5 inches

Weight

14 lbs (approx.)

Enclosure

- UL Type 3R aluminum enclosure
- Hinges die-cast pin hinges, black powder coated
- Dead front panel protects utility gen set wiring connections (Figure 1, front page)
- Gasket provided to help insure water-tight seal
- Flush mount weld
- Bottom closure employs an integrated hinge for integrity strength and durability while keeping bugs and creatures out when gen set is not connected (Figure 2, front page)
- Bottom closure hinges open to provide 7.25" W x 3"D opening for cable conductors
- Cable management system is a bridge lance for plastic zip ties

Powder coat paint

UL RAL 7035 - Light grey

Door

- Pad lockable
- Ships with left opening; may open to the right by moving hinges to the opposite side of cabinet (Figure 3, front page)

UL

- UL 1008A, 5th ed, or current
- 10, rated 240/120, 200 A, 10 IA short circuit
- 30, rated 208/120, 200 amps, 10 IA short circuit

Manufacturer's warranty

5 years

Product No. Product Configuration

KGCC-IP 10E L1, L2, N, and G

KGCC-SP 30E L1, L2, L3, N, and G

Optional Accessories

KGCC-MB Mounting box for use with 10 or 30 KGCC enclosures

GenSetSSOBLKNT Cabling kit for auto start-stop (of gen set(s)) 20' of 500W 14-2 cable with 1/4" insulated ring for gen set connection, HEICO M4340 6, 30 mm drill bit

GenSetSSOBLKMT Cabling kit for auto start-stop (of gen set(s)) 50' of 500W 14-2 cable with 1/4" insulated ring for gen set connection, HEICO M4340 6, 30 mm drill bit

1. All parts listed include male Cam-Lok style connectors. Units are UL 1008 Transfer Switch Power Inlet Standard rated for use on 120/240 or 120/208 V up to 200 A installations.

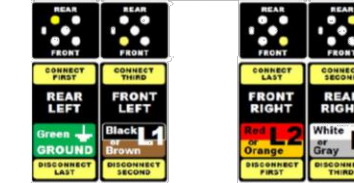
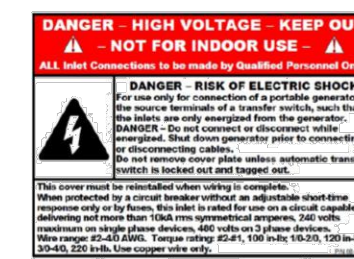
Cam-Lok Style Connectors

Type Male Electrical

- UL Listed Cam-Lok style, 180° twist on/off single-pole receptacles
- Conforms to NEC
- Rated up to 400 A, 208/120 V, 30
- May be used for 240/120 1Ø applications
- Cam-Lok terminal acceptance:
 - Plug: 200 A, #2 to 4/0 AWG
 - Receptacle: 200 A, #2 to 4/0 AWG

Power connectors

- Solid brass machined connectors
- Color coded:
 - Green - Ground
 - White - Neutral
 - Black - Line 1
 - Red - Line 2
 - Blue - Line 3



Installation instructions are for a 240/120, single phase application. A 208/120, three phase application will include Line 3 (Blue).

Intersect Cam-Lok Generator Connector

Power Transfer UL 1008A Listed to 200 A



Figure 1: Deadfront protective cover Figure 2: Bottom closure Figure 3: Switchable hinge opening

Featuring a Type 3R enclosure for outdoor use, the Intersect Cam-Lok Generator Connector (KGCC) Series uses Cam-Lok style connectors and replaces commonly-used generator receptacles.

KGCC Series design features provide installation ease and flexibility

- Knockouts on the left, right, and back side of the enclosure provide three installation options
- May be wall-mounted, H-Frame mounted, or installed as a new or retrofit engine generator connector to shelters or cabinets
- Connect or disconnect Cam-Lok-style connectors without tools—just a 180° turn assures a high-pressure contact with minimum resistance
- 10 IA short circuit rating appropriate for new and retrofit applications without requiring any labeling changes or derating of 10 IA rated emergency power systems
- Proven to provide optimal electrical and mechanical connections in numerous power applications and severe operating conditions—contacts withstand a pulling force of 1,000 lbs
- A gasket ships with each KGCC to insure a watertight seal
- Optional cable kit for auto start-stop of an engine generator set (from the automatic transfer switch connections) assures wiring is on-site for installations

KGCC Series features ensure safety during installation and operation

- Cam-Lok-style connectors are single-pole plugs and receptacles, insulated for watertight integrity and safety
- Insulators are molded from colorfast materials, with five different colors providing best, easy phase identification
- Male and female connectors provide insulated, recessed contacts and have no moving contact surfaces, eliminating risk of arcing or burning
- Impervious to vibration, preventing inadvertent disconnects
- Enclosure is pad-lockable to prevent unauthorized access
- Hinged bottom closure ensures connectors are not exposed when not in use and reduces potential of environmental threats from dust, insects or other invasive creatures

For a quotation, contact Intersect at solutions@intersectinc.com.

Intersect, Inc.

Quality products. Premium customer care. Integrated solutions.

2 CAM LOCK SPEC

D-5 NTS

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Intersect, Inc.

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SCHEDULE OF REVISIONS

REV. NO.	DATE	DESCRIPTION OF CHANGES
0	05/31/24	ISSUED FOR PERMIT
B	05/31/24	ISSUED FOR CLIENT REVIEW
A	05/02/24	ISSUED FOR CLIENT REVIEW

DRAWN BY: CG

CHECKED BY: AC

SCALE: NOTED

JOB NO: 230307600/876375

DRAWING TITLE:

EQUIPMENT SPECS

DRAWING SHEET:

D-5

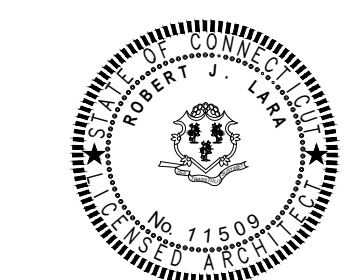
SITE INFORMATION:

SITE NAME:
CANTERBURY / LEMIRE

SITE ADDRESS:
**53 WESTMINSTER ROAD
CANTERBURY, CT 0331**

JURISDICTION:
WINDHAM COUNTY

SHEET NO. 20 OF 29



ROBERT J. LARA
REGISTERED ARCHITECT
STATE OF CONNECTICUT
11599

Product data sheet
Characteristics

D223NRB
SWITCH FUSIBLE GD 240V 100A 2P NEMA3R

Product availability : Stock - Normally stocked in distribution facility

Price* : 480.00 USD



Main

Product or component type	Single Throw Safety Switch
Line Rated Current	100 A
Product certifications	UL listed
NEMA degree of protection	NEMA 3R
Disconnecter device type	Fusible disconnect
Device composition	Neutral (factory installed)
Short-circuit current	100 kA maximum depending on fuse H, K or R
Device mounting	Surface
Number of poles	2
Electrical connection	Lugs
Series name	General duty

Ordering and shipping details

Category	00106 - D & DU SW,NEMA3R, 30-200A
Discount Schedule	DE1A
GTIN	00785901460701
Nbr. of units in pkg.	1
Package weight(Lbs)	15.460000000000001
Returnability	Y
Country of origin	US

Contractual warranty

Warranty period	18 months
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Sep 21, 2017



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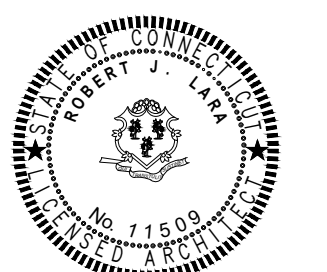
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DRAWING SHEET:

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SITE INFORMATION:
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CANTERBURY, CT 0331
JURISDICTION:
WINDHAM COUNTY

SHEET NO. 21 OF 29



ROBERT JERRY LARA
REGISTERED ARCHITECT
STATE OF CONNECTICUT
11500

Product data sheet

Specifications

SQUARE D



SPD - XDSE Type 1 - 120/240V - 1PH - 3 Wire - 150kA

SSP01XDSE15A1

ⓘ Discontinued on: May 12, 2023

ⓘ Discontinued

Main

Product Surge protection device

Complementary

Voltage Rating	120/240 V AC
Mcov	150 V
Surge Current	150 A per phase
Voltage Protection Rating	700 V L-N 700 V L - G 600 V L - L 1000 V N - G
Rated Current	20 kA
Number Of Phases	1 phase
Wiring Configuration	3-wire (isolated ground)
Height	5.98 in (152 mm)
Width	5.98 in (152 mm)
Depth	3.98 in (101 mm)

Environment

Enclosure Rating NEMA 4X

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.50 in (13.97 cm)
Package 1 Width	10.70 in (27.178 cm)
Package 1 Length	12.60 in (32.004 cm)
Package 1 Weight	3.98 lb(US) (1.805 kg)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

Well-being performance

✓ Mercury Free	
✓ RoHS Exemption Information	Yes
Eu RoHS Directive	Compliant with Exemptions
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information

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SCALE:	NOTED
JOB NO:	230307600/876375

DRAWING TITLE: EQUIPMENT SPECS

DRAWING SHEET: D-7

SITE INFORMATION:
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CANTERBURY, CT 0331
JURISDICTION:
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