



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

The Foundation for a Wireless World.

CrownCastle.com



CCF SITE NAME: N/A

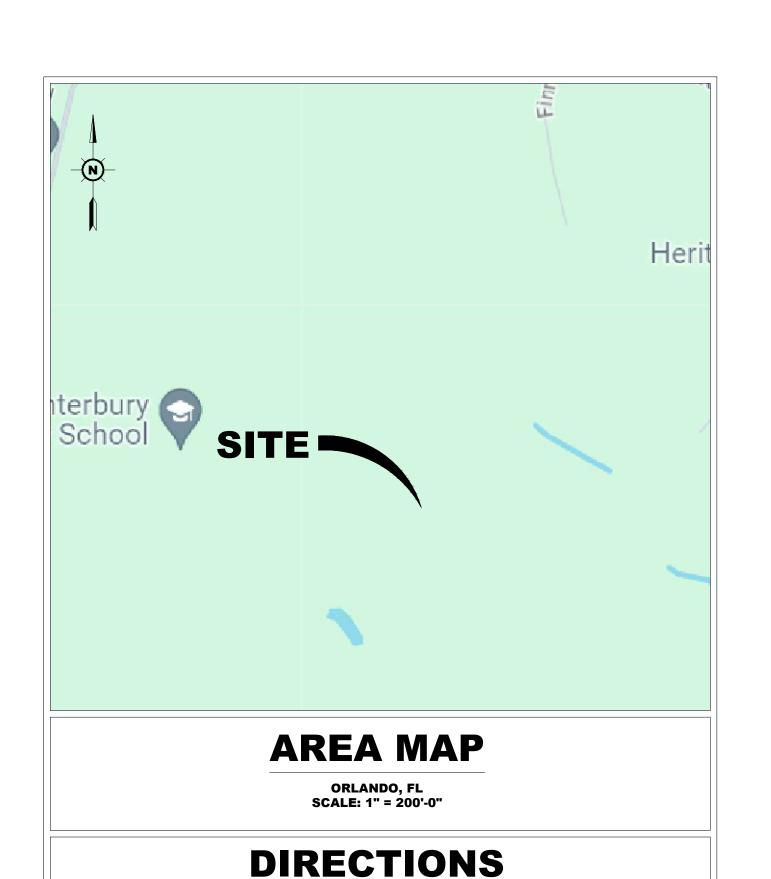
CCI SITE NAME: CANTERBURY / LEMIRE

> BU#: 876375

SITE ADDRESS: 53 WESTMINSTER ROAD CANTERBURY, CT 06331 JURISDICTION: **WINDHAM COUNTY**

SITE INFORMATION CANTERBURY / LEMIRE SITE NAME: CROWN BUSINESS UNIT: SITE ADDRESS: 53 WESTMINSTER ROAD CANTERBURY, CT 06631 PARCEL ID: 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: 3530 TORINGDON WAY, STE33 CHARLOTTE, NC 28277 GROUND LANDLORD FEMA FIRM MAP 0901830016A EFF. 10/16/1984 FLOOD ZONE:

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



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 TUCKIE RD. TURN LEFT ONT CT-14E. TURN LEFT TO STAY ON CT-14E. CONTINUE ON CT-14E TO SITE

FROM HARTFORD-BRAINARD AIRPORT:

ON LEFT.

DRAWING SHEET	DRAWING TITLE		
T-1	TITLE SHEET		
Z-1	SITE PLAN		
SP-1	SURVEY PLAN		
A-1	COMPOUND PLAN		
A-2	EQUIPMENT PLAN & ELEVATION PLAN		
A-3	STANDBY GENERATOR DETAILS		
A-4	DETAILS		
E-1	ELECTRICAL NOTES & SPECIFICATIONS		
E-2	UTILITY ROUTING PLAN		
E-3	ONE LINE DIAGRAM & PANEL SCHEDULE		
E-4	H-FRAME DETAIL		
G-1	EQUIPMENT GROUNDING PLAN		
G-2	GROUNDING DETAILS		
G-3	GROUNDING DETAILS		
D-1	OPTIONAL STANDBY GENERATOR DETAIL & SIGNAGE DETAILS		
D-2	GENERATOR SPECS		
D-3	GENERATOR SPECS		
D-4	EQUIPMENT SPECS		
D-5	EQUIPMENT SPECS		
D-6	EQUIPMENT SPECS		
D-7	EQUIPMENT SPECS		

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.

ROWN CASTLE FIBER CONSTRUCTION	DATE:
ROWN CASTLE A&E MANAGER	DATE:



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





Atlanta, Ga 30346 Tel:770-379-8500 Fax:770-375-8501 www..morrisonhershfield.com

	SC	HEDULE OF REVISIONS
0	05/31/24	ISSUED FOR PERMIT
В	05/31/24	ISSUED FOR CLIENT REVIEW
A	05/02/24	ISSUED FOR CLIENT REVIEW
REV. NO.	DATE	DESCRIPTION OF CHANGES
DR	AWN BY:	CG
СН	ECKED B	Y: AC
sc	ALE:	NOTED
	B NO:	230307600/876375

TITLE SHEET

DRAWING SHEET:



SITE INFORMATION: SITE NAME:

CANTERBURY / LEMIRE

SITE ADDRESS:

53 WESTMINSTER ROAD CANTERBURY, CT 0331

JURISDICTION:

WINDHAM COUNTY

SHEET NO. 1 OF 29





SITE PLAN Z-1 SCALE: 1"=20'-0"

GRAPHIC SCALE

(IN FEET) 3/32 inch = 1 ft. (SCALE BASED ON FULL SIZE 24"x36" SHEETS ONLY) (DO NOT USE SCALE ON OTHER SIZED DRAWINGS)

SITE INFORMATION

SITE NAME: CANTERBURY / LEMIRE

CROWN BUSINESS UNIT:

53 WESTMINSTER ROAD CANTERBURY, CT 06631 SITE ADDRESS:

PARCEL ID:

JURISDICTION: TOWN OF CANTERBURY N 41° 42' 07.07" (NAD 83) W 71° 58' 50.01" (NAD 83) SITE COORDINATES:

CROWN CASTLE FIBER NETWORKS 80 CENTRAL STREET BOXBOROUGH, MASSACHUSETTS 01719 TENANT:

LANDLORD'S NAME: CROWN CASTLE

3530 TORINGDON WAY, STE33 CHARLOTTE, NC 28277 GROUND LANDLORD :

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

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
- 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

> MORRISON HERSHFIELD



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

SCHEDULE OF REVISIONS

o 05/31/24 ISSUED FOR PERMIT B 05/31/24 ISSUED FOR CLIENT REVIEW A 05/02/24 ISSUED FOR CLIENT REVIEW DESCRIPTION OF CHANGES

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

DRAWING TITLE:

SITE PLAN

DRAWING SHEET:

SITE INFORMATION: SITE NAME:

SITE ADDRESS:

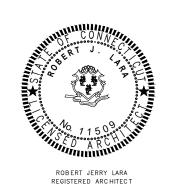
CANTERBURY / LEMIRE

53 WESTMINSTER ROAD CANTERBURY, CT 0331

JURISDICTION:

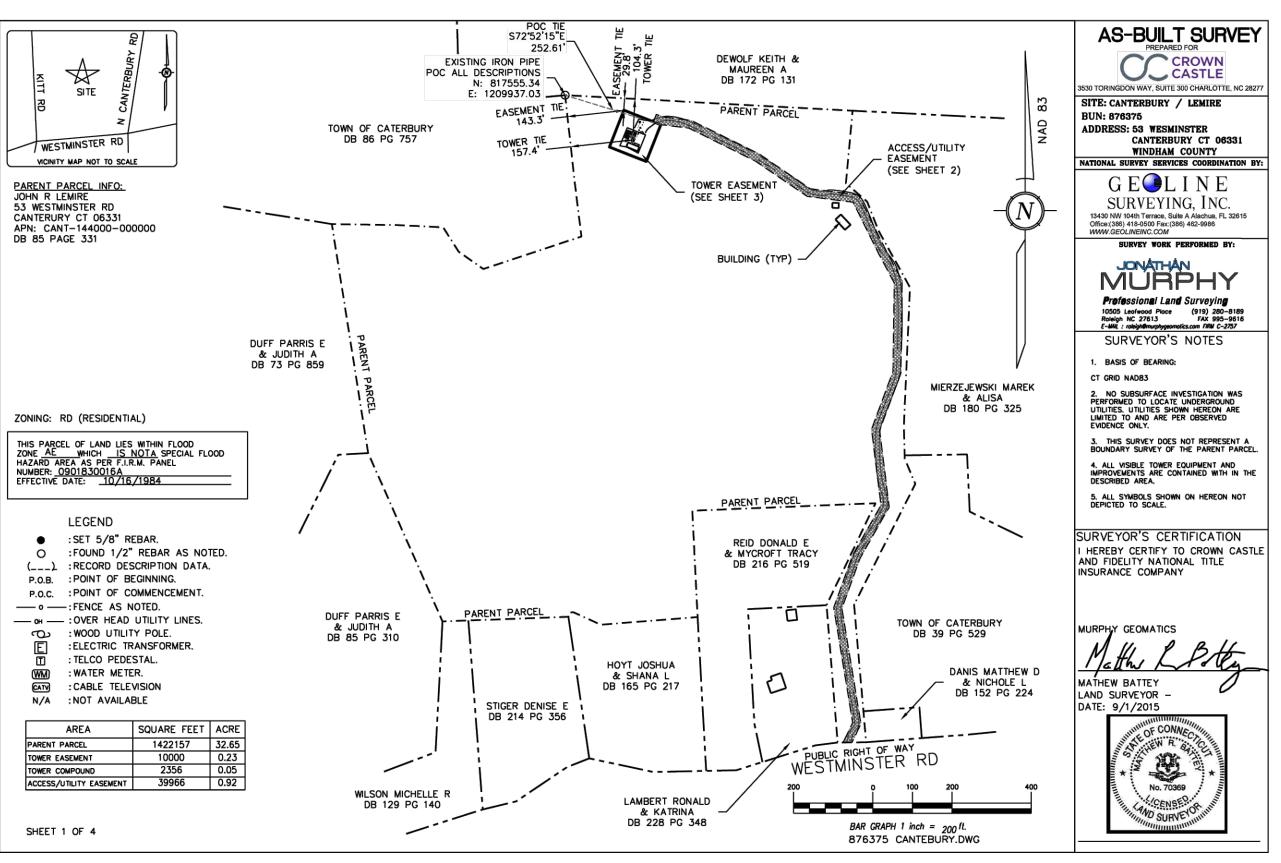
WINDHAM COUNTY

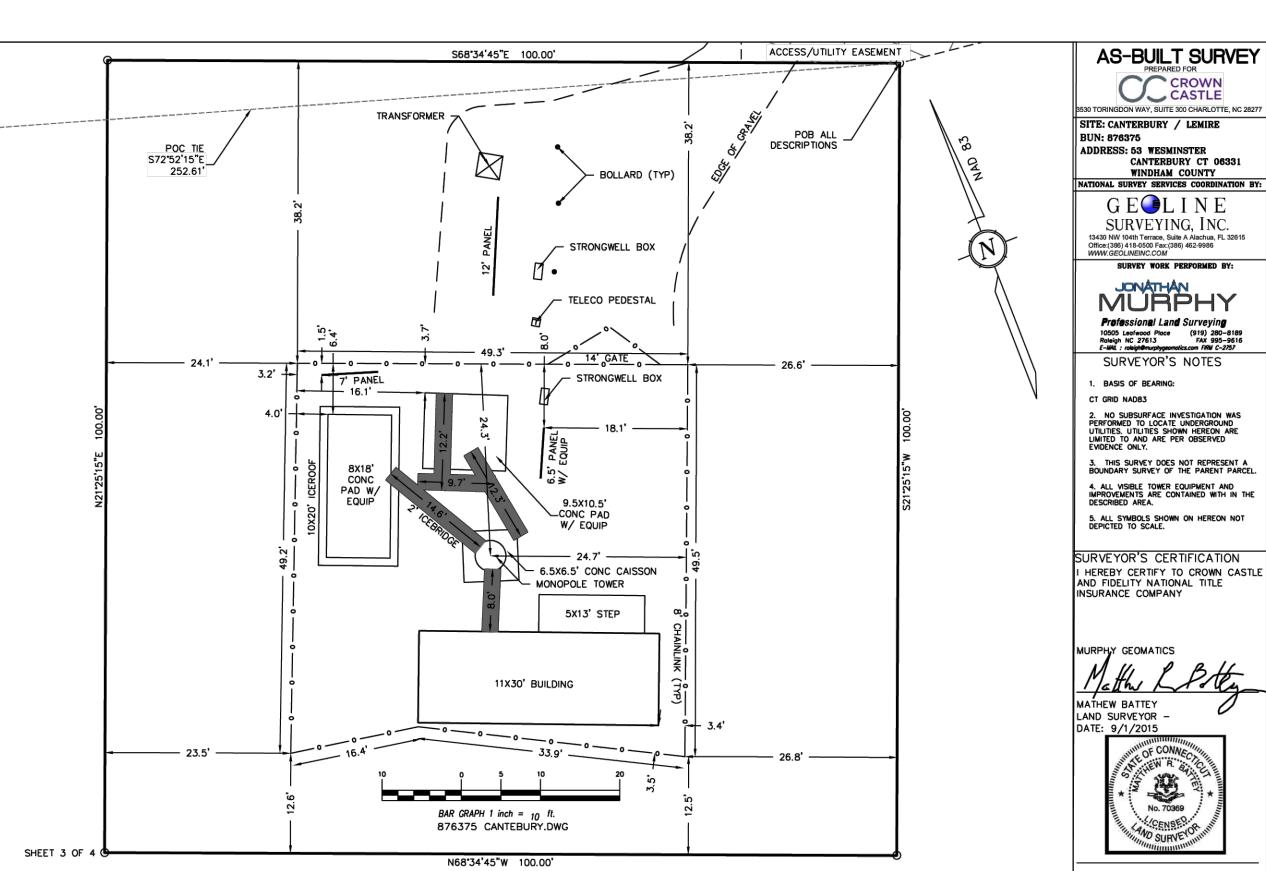
SHEET NO. 2 OF 29

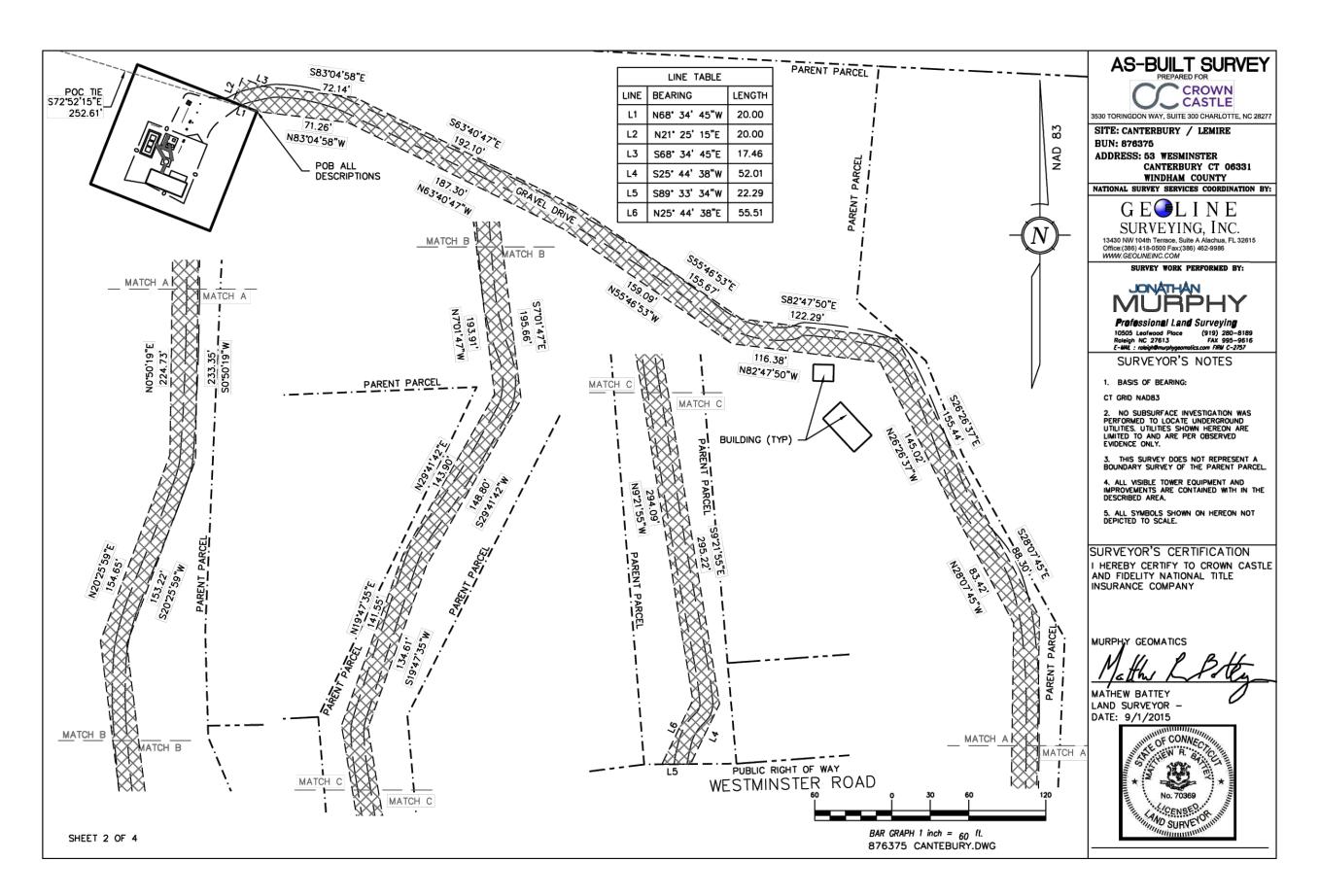


Call before you dig. PROTECT YOURSELF, GIVE THREE
WORKING DAYS NOTICE
THIS DRAWING DOES NOT INCLUDE NECESSARY
COMPONENTS FOR CONSTRUCTION SAFETY. ALL
CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH
LATEST EDITION OF THE OCCUPATIONAL SAFETY AND HEALTH
ACT OF 1970 AND ALL RULES AND REGULATIONS
THERE TO APPURTENANT.

Know what's below.







LEGAL DESCRIPTION: TOWER EASEMENT (CREATED BY THIS OFFICE)

ALL THAT CERTAIN PARCEL OF LAND LYING IN THE TOWN OF CANTERBURY, COUNTY OF WINDHAM, STATE OF CONNECTICUT, DESCRIBED IN DEED BOOK 85 PAGE 331, FURTHER DESCRIBED AS:

COMMENCING FROM AN EXISTING IRON PIPE FOUND ON THE NORTH WESTERN MOST PROPERTY CORNER, HAVING CONNECTICUT STATE PLANE COORDINATES E: 1209937.03 -AND- N: 817555.34; THENCE, S 72° 52' 15" E FOR A DISTANCE OF 252.61 FEET TO THE POINT OF BEGINNING; THENCE, S 21° 25' 15" W FOR A DISTANCE OF 100.00 FEET TO A POINT; THENCE, N 68° 34' 45" W FOR A DISTANCE OF 100.00 FEET TO A POINT; THENCE N 21° 25' 15" E A DISTANCE OF 100.00 FEET TO A POINT; THENCE N 21° 25' 15" E A DISTANCE OF 100.00 FEET TO A POINT; THENCE N 21° 25' 15" E A DISTANCE OF 100.00 FEET TO A POINT; THENCE N 21° 25' 15" E A DISTANCE OF 100.00 FEET TO A POINT; THENCE N 21° 25' 15" E A DISTANCE OF 100.00 FEET TO THE POINT OF BEGINNING

LEGAL DESCRIPTION: ACCESS/UTILITY EASEMENT (CREATED BY THIS OFFICE)

ALL THAT CERTAIN PARCEL OF LAND LYING IN THE TOWN OF CANTERBURY, COUNTY OF WINDHAM, STATE OF CONNECTICUT, DESCRIBED IN DEED BOOK 85 PAGE 331, FURTHER DESCRIBED AS:

COMMENCING FROM AN EXISTING IRON PIPE FOUND ON THE NORTH WESTERN MOST PROPERTY CORNER, HAVING CONNECTICUT STATE PLANE COORDINATES E: 1209937.03 -AND- N: 817555.34; THENCE, S 72° 52′ 15″ E FOR A DISTANCE OF 22.61 FEET TO THE POINT OF BEGINNING; THENCE, N 68° 34′ 45″ W FOR A DISTANCE OF 20.00 FEET TO A POINT; THENCE, S 68° 34′ 45″ E FOR A DISTANCE OF 17.46 FEET TO A POINT; THENCE, S 83° 04′ 58″ E FOR A DISTANCE OF 72.14 FEET TO A POINT; THENCE, S 63° 40′ 47″ E FOR A DISTANCE OF 192.10 FEET TO A POINT; THENCE, S 55′ 46′ 53″ E FOR A DISTANCE OF 155.44 FEET TO A POINT; THENCE, S 26° 26′ 37″ E FOR A DISTANCE OF 155.44 FEET TO A POINT; THENCE, S 28° 07′ 45″ E FOR A DISTANCE OF 155.44 FEET TO A POINT; THENCE, S 28° 07′ 45″ E FOR A DISTANCE OF 155.44 FEET TO A POINT; THENCE, S 28° 27′ 45″ E FOR A DISTANCE OF 155.44 FEET TO A POINT; THENCE, S 28° 07′ 45″ E FOR A DISTANCE OF 195.66 FEET TO A POINT; THENCE, S 20° 25′ 59″ W FOR A DISTANCE OF 153.22 FEET TO A POINT; THENCE, S 09′ 21′ 55″ E FOR A DISTANCE OF 233.35 FEET TO A POINT; THENCE, S 20′ 25′ 59″ W FOR A DISTANCE OF 153.22 FEET TO A POINT; THENCE, S 09′ 21′ 55″ E FOR A DISTANCE OF 295.22 FEET TO A POINT; THENCE, S 25′ 44′ 38″ W FOR A DISTANCE OF 52.01 FEET TO A POINT ON THE NORTHERN RIGHT OF WAY OF WESTMINISTER ROAD, A DEDICATED PUBLIC RIGHT OF WAY THENCE, A DISTANCE OF 22.29 FEET A POINT; THENCE, DEPARTING SAID RIGHT OF WAY OF WESTMINISTER ROAD, A DEDICATED PUBLIC RIGHT OF WAY THENCE, N 09′ 21′ 55″ W FOR A DISTANCE OF 193.91 FEET TO A POINT; THENCE, N 09′ 21′ 55″ W FOR A DISTANCE OF 193.91 FEET TO A POINT; THENCE, N 09′ 21′ 55″ W FOR A DISTANCE OF 193.91 FEET TO A POINT; THENCE, N 09′ 21′ 47″ W FOR A DISTANCE OF 193.91 FEET TO A POINT; THENCE, N 26′ 26′ 37″ W FOR A DISTANCE OF 145.02 FEET TO A POINT; THENCE, N 82′ 47′ 50″ W FOR A DISTANCE OF 71.26 FEET TO A POINT; THENCE, N 63′ 40′ 47″ W FOR A DISTANCE OF 71.26 FEET TO A POINT; THENCE, N 82′ 47′ 50″ W FOR A DISTANCE OF 71.26 FEET TO A POINT; THENCE, N 83′ 40′ 45″ W FOR A DISTANCE OF 71.26 FEET TO A POINT; THENCE, N 83

SHEET 4 OF 4

AS-BUILT SURVEY
PREPARED FOR
CROWN
CASTLE
30 TORINGDON WAY, SUITE 300 CHARLOTTE, NC 2827

3530 TORINGDON WAY, SUITE 300 CHARLOTTE, N
SITE: CANTERBURY / LEMIRE
BUN: 876375
ADDRESS: 53 WESMINSTER
CANTERBURY CT 0633

NATIONAL SURVEY SERVICES COORDINATION BY:

GELINE
SURVEYING, INC.

13430 NW 104th Terrace, Suite A Alachua, FL 32615
Office (386) 418-0500 Fax (386) 462-9986

WWW.GEOLINEINC.COM

SURVEY WORK PERFORMED BY:

Professional Land Surveying
10505 Leofwood Place (919) 280-8189
Roleigh NC 27613 FAX 995-9616
E-MML: oleigh@murphygeomolics.com FMM C-2757
SURVEYOR'S NOTES

1. BASIS OF BEARING:
CT GRID NADB3
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 WITH IN 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

MATHEW BATTEY
LAND SURVEYOR DATE: 9/1/2015



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

CROWN FIBER CASTLE

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

> MORRISON HERSHFIELD



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

O 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

DRAWING TITLE:

JOB NO:

SURVEY PLAN

230307600/876375

DRAWING SHEET:

SP-1

SITE INFORMATION:
SITE NAME:
CANTERBURY / LEMIRE

SITE ADDRESS:

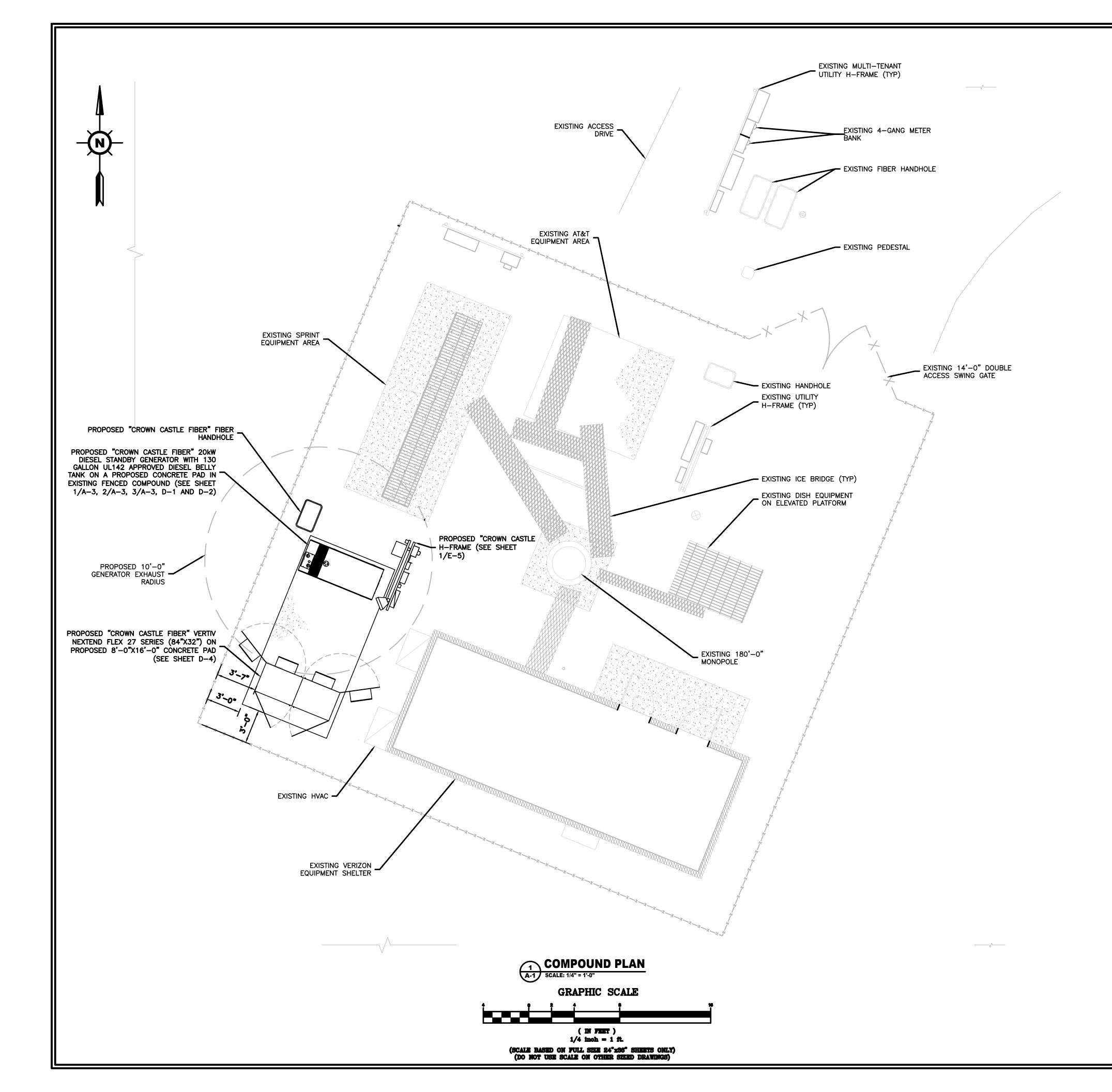
53 WESTMINSTER ROAD CANTERBURY, CT 0331

JURISDICTION:

WINDHAM COUNTY

SHEET NO. 3 OF 29





SITE INFORMATION

SITE NAME: CANTERBURY / LEMIRE

CROWN BUSINESS UNIT:

SITE ADDRESS: 53 WESTMINSTER ROAD CANTERBURY, CT 06631

PARCEL ID: 46-3

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

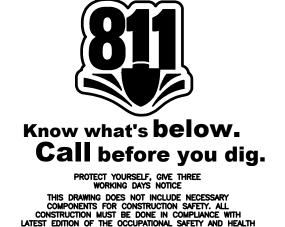
FLOOD ZONE: AE

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
- 12. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD

NOTE: THERE WILL BE NO CHANGES TO THE GRADING/EXISTING SITEL ELEVATONS

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.





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REV. NO.	DATE	DESCRIPTION OF CHANGES

 DRAWN BY:
 CG

 CHECKED BY:
 AC

 SCALE:
 NOTED

 JOB NO:
 230307600/876375

DRAWING TITLE:

COMPOUND PLAN

DRAWING SHEET:

Α-1

SITE INFORMATION:

SITE NAME:

CANTERBURY / LEMIRE

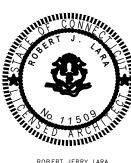
53 WESTMINSTER ROAD

CANTERBURY, CT 0331

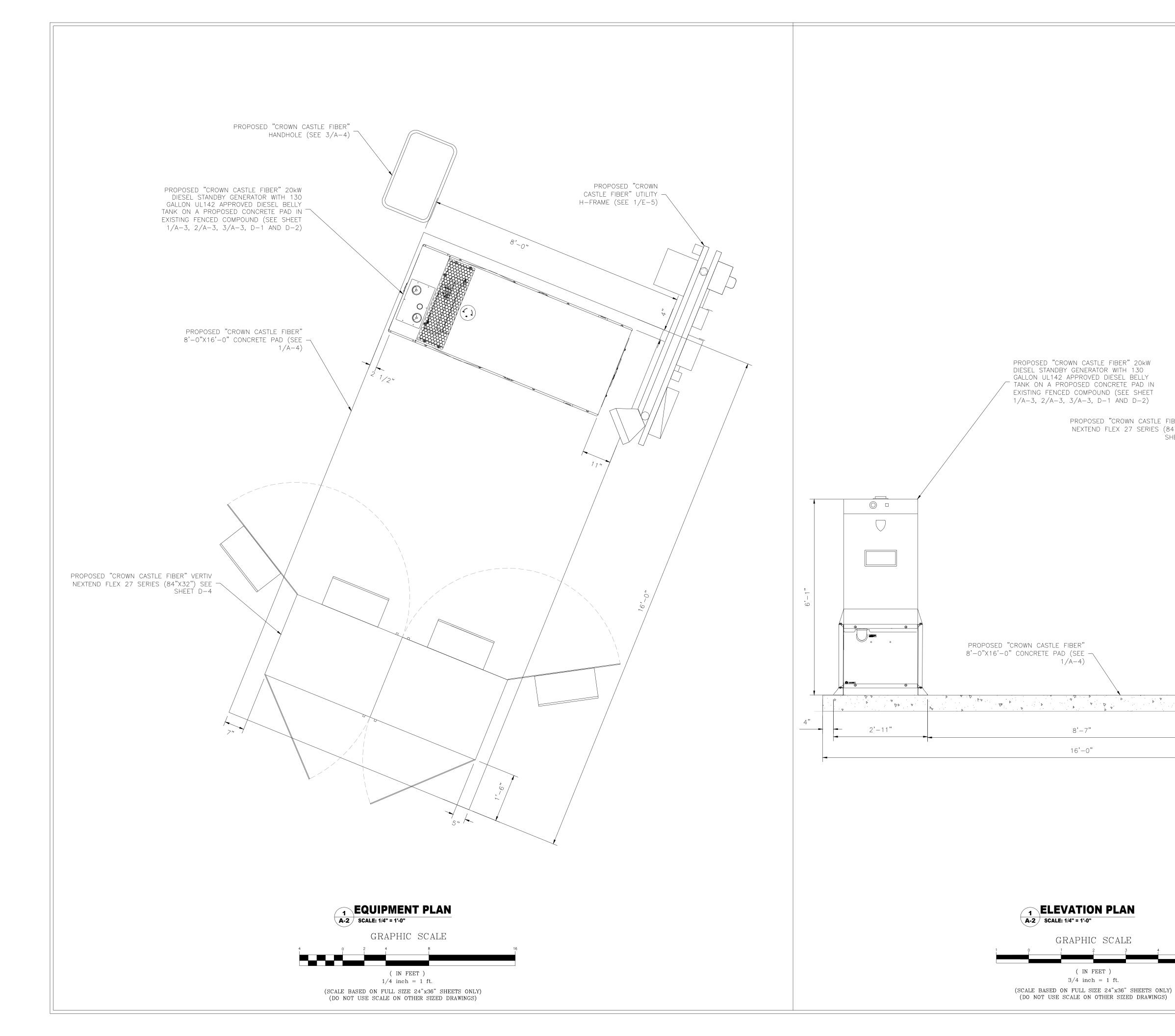
SITE ADDRESS:

JURISDICTION: WINDHAM COUNTY

SHEET NO. 4 OF 29



ROBERT JERRY LARA REGISTERED ARCHITECT STATE OF CONNECTICUT





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REV. NO.	DATE	DESCRIPTION OF CHANGES
DR	AWN BY:	CG
СН	ECKED B	Y: AC
SC	ALE:	NOTED
JO	B NO:	230307600/876375

EQUIPMENT SHELTER

ELEVATION

DRAWING SHEET:

DRAWING TITLE:

PROPOSED "CROWN CASTLE FIBER" VERTIV NEXTEND FLEX 27 SERIES (84"X32") SEE -

8'-7"

16'-0"

GRAPHIC SCALE

(IN FEET)

3/4 inch = 1 ft.

SHEET 1/D-4

1'-6"



SITE INFORMATION:
SITE NAME: CANTERBURY / LEMIRE

SITE ADDRESS:

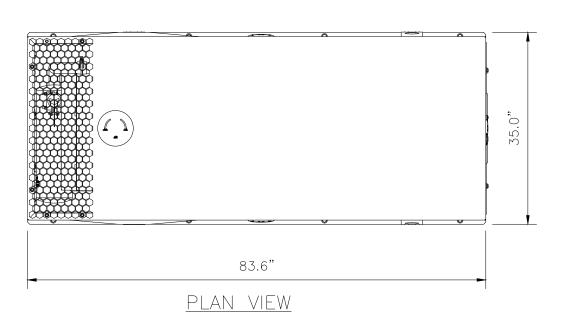
53 WESTMINSTER ROAD CANTERBURY, CT 0331

JURISDICTION:

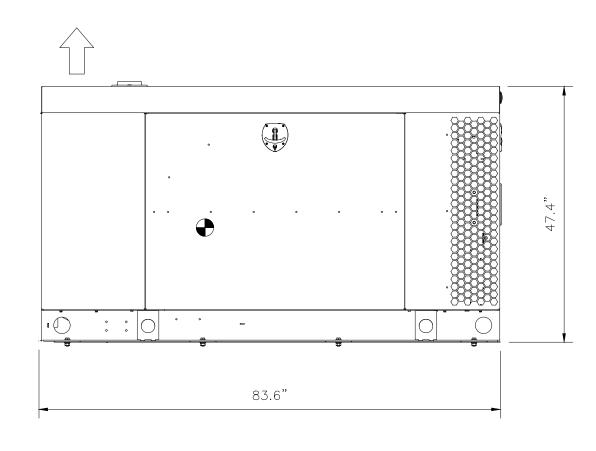
WINDHAM COUNTY

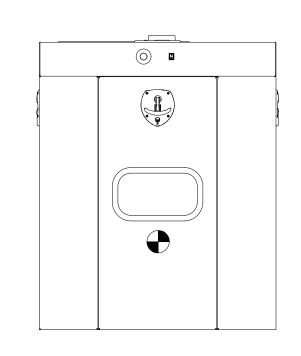
SHEET NO. 5 OF 29





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

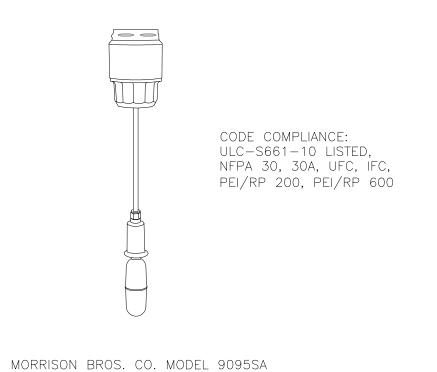




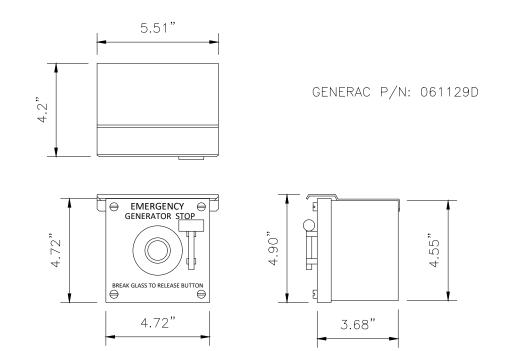
<u>SIDE VIEW</u>

NEW SD020T 20KW OPTIONAL STANDBY GENERATOR

<u>FRONT VIEW</u>

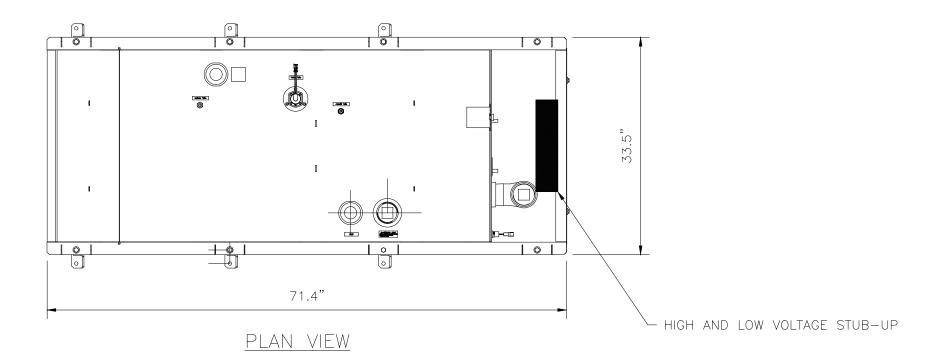


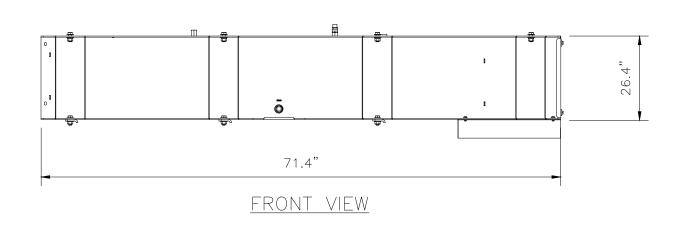


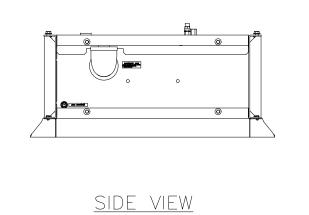


OPTIONAL STANDBY GENERATOR

3 EMERGENCY STOP DETAIL



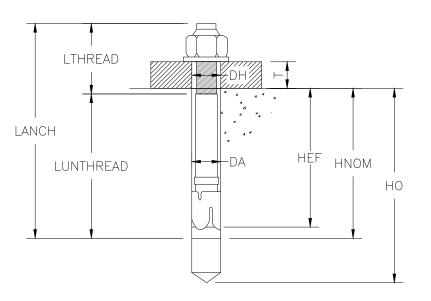




NEW 130 GALLON BELLY TANK DETAIL A-3 NTS

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.
- 2. CONTRACTOR SHALL SCAN FOR AND LOCATE EXISTING REPAR
- 3. 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.
- 4. CONTRACTOR SHALL USE EQUIPMENT MANUFACTURER'S BOLTING LAYOUT AND SPECIFICATIONS. SPECIAL INSPECTIONS REQUIRED DURING INSTALLATION OF ANCHORS.
- 5. MANUAL CLEANING OF THE DRILLED HOLE IS REQUIRED ACCORDING TO ANCHOR MANUFACTURER INSTRUCTIONS AND ICC-ES EVALUATION REPORT NO. ESR-1917.
- 6. ABANDONED ANCHORS TO BE REMOVED OR CUT FLUSH WITH CONCRETE SURFACE. ANY REMAINING VOIDS SHALL BE FILLED WITH HILT HIT— RE 500 V3 EPOXY (ICC ESR NO.3814).



NOTE: GENERATOR SHALL BE FACTORY FURNISHED WITH

THE DISCONNECTING MEANS AND SHUTDOWN OF PRIME MOVER, PER 2020 NEC, 445.18.

INSTALLATION DETAILS FOR POST-INSTA	LLED 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





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

> MORRISON HERSHFIELD



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A	05/02/24	ISSUED FOR CLIENT REVIEW
REV. NO.	DATE	DESCRIPTION OF CHANGES
DR	AWN BY:	CG
СН	ECKED B	Y: AC
sc	ALE:	NOTED
JO	B NO:	230307600/876375

STANDBY GENERATOR DETAILS

DRAWING SHEET:



SITE INFORMATION:
SITE NAME:
CANTERBURY / LEMIRE

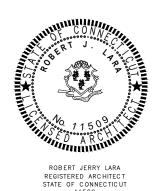
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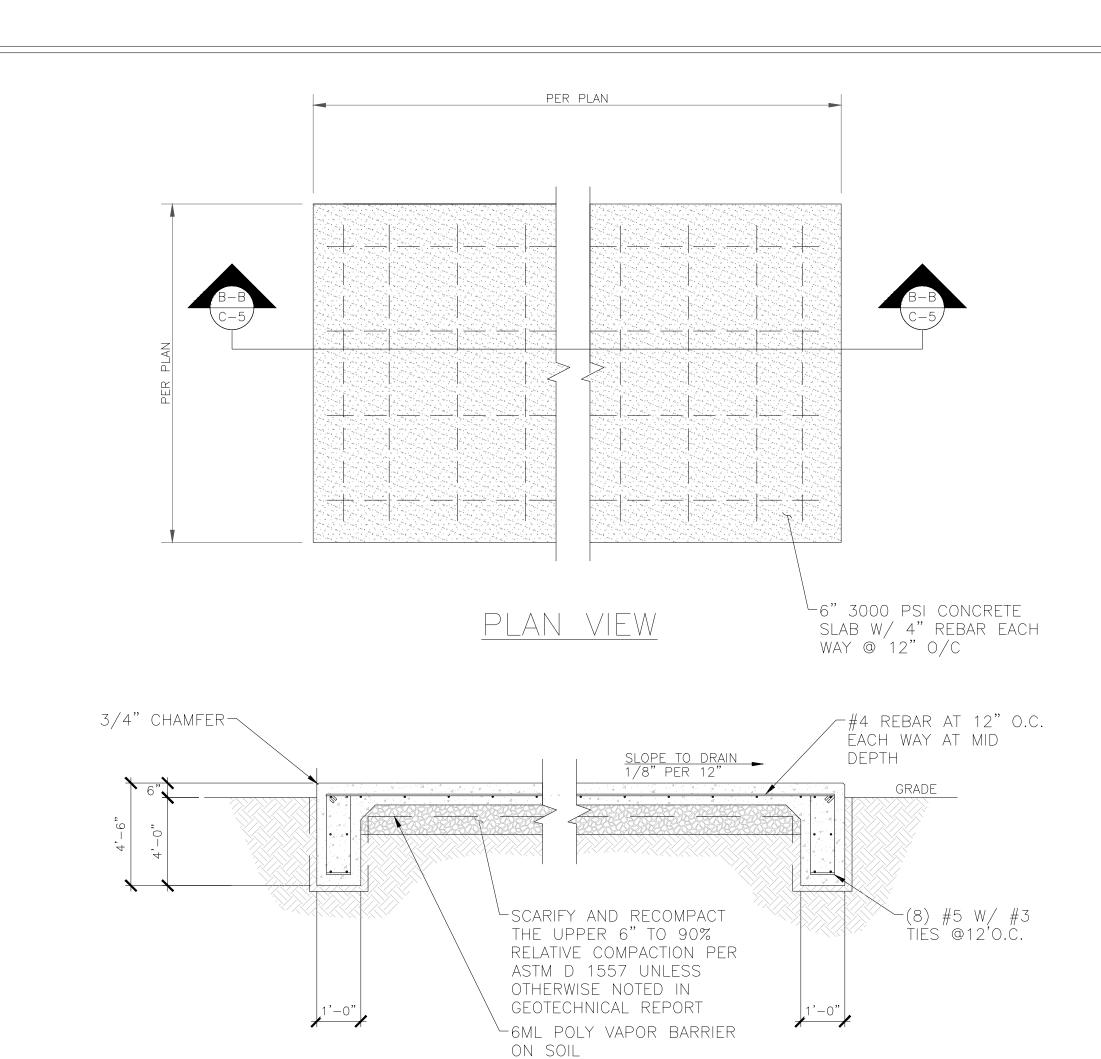
53 WESTMINSTER ROAD CANTERBURY, CT 0331

JURISDICTION:

WINDHAM COUNTY

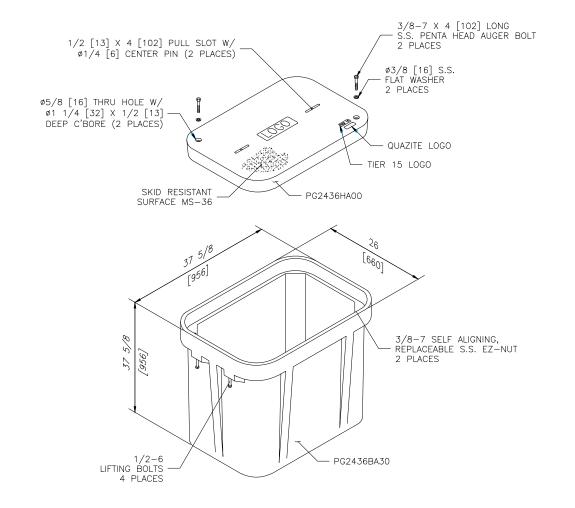
SHEET NO. 7 **OF** 29





EMT CONDUIT (CONTRACTOR'S OPTION TO USE IMC OR RMC WITHOUT A CONTRACTOR IN LIUE OF THE EMT) PVC TAPE WRAP COMPRESSION CONNECTOR REGID THREADED CONDUIT COUPLING REINFORCED CONCRETE SLAB PVC CONDUIT PVC MALE ADAPTER RMC ELBOW RIGID THREADED CONDUIT COUPLING

2 CONDUIT STUB UP DETAIL
NTS



3 HAND HOLE DETAIL #1



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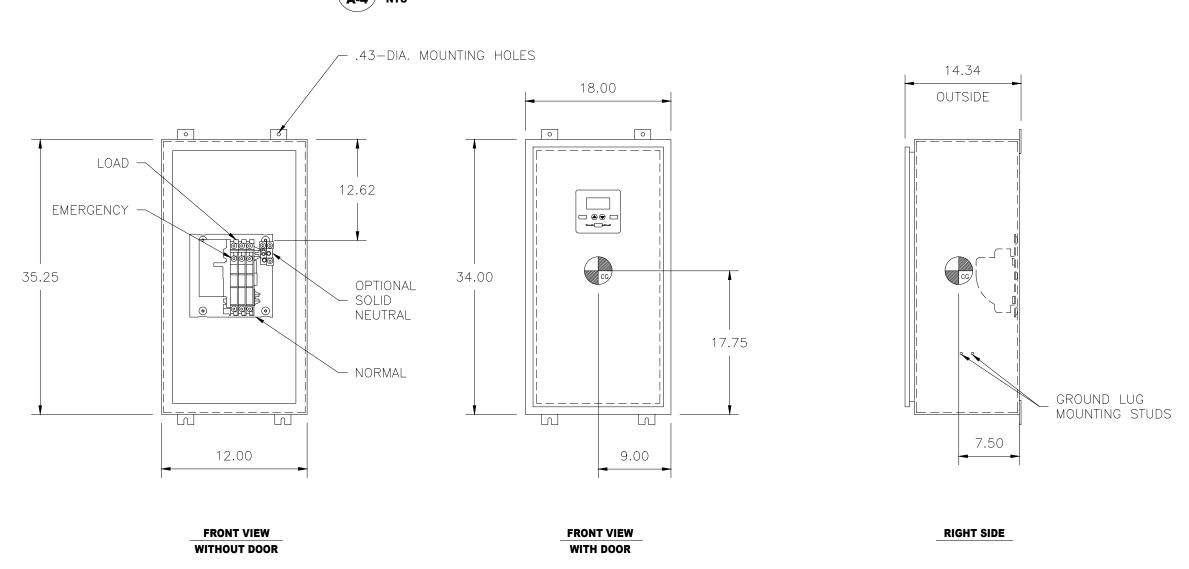
WINDHAM COUNTY

SHEET NO. 8 OF 29



SECTION B-B

PROPOSED ASCO 300 SERIES 200A ATS





GENERAL ELECTRICAL NOTES & BASIC ELECTRICAL REQUIREMENTS

- 1. THE DRAWINGS ARE PROVIDED TO DEPICT DESIGN INTENT AND ARE NOT TO BE CONSIDERED INSTALLATION DRAWINGS. NOT ALL COMPONENTS OR CONNECTIONS ARE SHOWN. EQUIPMENT PART NUMBERS ARE SHOWN TO PROVIDE PERFORMANCE CRITERIA AND LEVEL OF PRODUCT STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING FINAL CONDUIT ROUTING, INSTALLATION OF ALL ELECTRICAL EQUIPMENT, COMPONENTS AND MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INSTALLATION MEANS AND METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING, ENERGIZING AND TESTING OF ALL ELECTRICAL COMPONENTS PER THE MANUFACTURER'S INSTRUCTIONS.
- 2. CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS PRIOR TO SUBMITTING BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE ADVANTAGE ENGINEERS PROJECT MANAGER OR CONSTRUCTION MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
- CONTRACTOR SHALL PERFORM ALL VERIFICATION, OBSERVATION, TESTS, AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE DESIGN PROFESSIONAL LISTING ANY AND ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
- 4. THE CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONAL, 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.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN PROFESSIONAL OF ANY UNFORESEEN SITE CONDITIONS THAT MAY IMPACT THE DESIGN.
- THE CONTRACTOR IS IN NO WAY PERMITTED TO MODIFY OR CHANGE THE DESIGN WITHOUT THE EXPRESS, WRITTEN CONSENT OF THE DESIGN PROFESSIONAL. SHOULD THE CONTRACTOR MAKE MODIFICATIONS TO THE DESIGN WITHOUT THE CONSENT OF THE DESIGN PROFESSIONAL,
- THE CONTRACTOR ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR SUCH CHANGES. 7. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES, THE AUTHORITY HAVING
- JURISDICTIONS OR OTHER PUBLIC AUTHORITIES. ALL ELECTRICAL WORK SHALL CONFORM TO THE CURRENTLY ADOPTED EDITION OF THE
- NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES. 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR LOCAL MUNICIPAL
- **AUTHORITIES** 10. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION CONSTRUCTION TOOLS, TRANSPORTATION, ETC. FOR A COMPLETE AND PROPERLY OPERATIVE SYSTEM ENERGIZED THROUGHOUT AS INDICATED IN THE CONSTRUCTION DOCUMENTS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
- 11. 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.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OF THE WORK SITE AND REMOVING ALL TRASH AND DEBRIS ON A DAILY BASIS.
- 13. 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.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATING, DRAINING, TRENCHES,
- BACKFILLING, AND REMOVAL OF EXCESS DIRT.
- 15. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORIES (U.L.) AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH THE APPROVAL OF ALL GOVERNING BODIES HAVING JURISDICTION AND SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NFPA, IBC, IMC, IECC, IEC, NEC, IEEE, ASTM, NEMA, U.L. AND NBFU.
- 16. LOCATION OF EQUIPMENT, CONDUIT AND DEVICES SHOWN ON THE DRAWINGS ARE
- APPROXIMATE AND SHALL BE COORDINATED WITH FIELD CONDITIONS PRIOR TO ROUGH-IN. 17. THE CONDUIT RUNS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATION AND ROUTING SHALL BE PER EXISTING FIELD CONDITIONS.
- GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED; 22,000 AIC MINIMUM FOR MAINS AND 10,000 AIC MINIMUM FOR BRANCH DEVICES. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT.
- 19. ALL NEW INSTALLED ELECTRICAL EQUIPMENT SHALL BE FURNISHED WITH ARC FLASH HAZARD LABELS AS REQUIRED BY THE NEC.
- 20. ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO: DISCONNECT SWITCHES, TRANSFORMERS, PANELBOARDS, POWER PROTECTION CABINET (PPC), AUTOMATIC TRANSFER SWITCH (ATS), MANUAL TRANSFER SWITCH (MTS), POWER TRANSFER LOAD CENTER (PTLC), ETC., SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS. LABELS SHALL INDICATE EQUIPMENT CONTROLLED, BRANCH CIRCUITS INSTALLED ON, AND PANEL FIELD LOCATIONS FED FROM.
- 21. THE CONTRACTOR SHALL PREPARE A COMPLETE SET OF AS-BUILT DRAWINGS, DOCUMENT ALL WIRING EQUIPMENT CONDITIONS, INCLUDING MANUFACTURER'S AND PART NUMBERS FOR PANELBOARDS, TRANSFORMERS, POWER PROTECTION CABINETS (PPC) AND DISCONNECTS, AND CHANGES WHILE COMPLETING THIS CONTRACT. THE AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE DESIGN PROFESSIONAL AT THE COMPLETION OF THE PROJECT.
- 22. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL EXPOSED EQUIPMENT, REMOVE DEBRIS, CRATING AND CARTONS AND LEAVE THE INSTALLATION FINISHED AND READY FOR OPERATION.
- 23. THE CONTRACTOR SHALL NOTIFY THE BUILDING OWNER FIVE (5) BUSINESS DAYS PRIOR TO ANY PLANNED POWER OR OTHER SERVICE OUTAGE. THE OWNER SHALL RESERVE THE RIGHT TO REFUSE SUCH OUTAGE AND HAVE IT RESCHEDULED.
- 24. ANY CODE VIOLATIONS DUE TO THE CONTRACTOR'S WORK SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

ELECTRICAL SPECIFICATIONS: ELECTRICAL MATERIALS AND EQUIPMENT CONDUIT

- 1. RIGID GALVANIZED STEEL (RGS) CONDUIT SHALL BE USED FOR EXTERIOR LOCATIONS ABOVE GROUND AND IN UNFINISHED INTERIOR LOCATIONS AND WHERE INDICATED ON THE DRAWINGS, FOR UNDERGROUND RUNS. RIGID CONDUIT AND FITTINGS SHALL BE STEEL, COATED WITH ZINC EXTERIOR AND INTERIOR BY THE HOT DIP GALVANIZING PROCESS. CONDUIT SHALL BE PRODUCED TO ANSI SPECIFICATIONS C80.1, FEDERAL SPECIFICATION WW-C-581 AND SHALL BE LISTED WITH THE UNDERWRITER'S LABORATORIES. FITTINGS SHALL BE THREADED - SET SCREW OR COMPRESSION FITTINGS WILL NOT BE ACCEPTED.
- UNDERGROUND CONDUIT SHALL BE POLYVINYLCHLORIDE SCHEDULE 40 (PVC). SCHEDULE 40 PVC SHALL NOT BE PERMITTED ABOVE GRADE. WHERE CONDUIT PASSES UNDER A ROAD OR DRIVE, IT SHALL BE SCHEDULE 80 PVC. SUITABLE FOR DIRECT BURIAL. JOINTS SHALL BE BELLED, AND FLUSH, SOLVENT WELDED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- EMT OR RIGID GALVANIZED STEEL CONDUIT MAY BE USED IN FINISHED INTERIOR SPACES, CONCEALED IN WALLS AND CEILINGS. EMT SHALL BE MILD STEEL, ELECTRICALLY WELDED, ELECTRO-GALVANIZED OR HOT-DIPPED GALVANIZED AND PRODUCED TO ANSI SPECIFICATION C80.3, FEDERAL SPECIFICATION WW-C-563, AND SHALL BE U.L. LISTED. FITTING SHALL BE METALLIC COMPRESSION. SET SCREW CONNECTIONS ARE NOT
- PERMITTED. LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT SHALL BE USED FOR FINAL CONNECTION TO EQUIPMENT. FITTINGS SHALL BE METALLIC GLAND TYPE COMPRESSION FITTINGS, MAINTAINING THE INTEGRITY OF CONDUIT SYSTEM. SET SCREW CONNECTIONS ARE NOT PERMITTED. MAXIMUM LENGTH OF FLEXIBLE CONDUIT SHALL NOT EXCEED SIX (6) FEET, EXCEPT WHERE PERMITTED BY THE NEC. LFMC SHALL BE PROTECTED AND SUPPORTED AS REQUIRED BY THE NEC.
- MINIMUM SIZE CONDUIT SHALL BE 3/4 INCH.
- PROVIDE PULL BOXES AND JUNCTION BOXES WHERE SHOWN OR REQUIRED BY THE NEC. PROVIDE VERTICAL CABLE SUPPORTS IN ALL VERTICAL CONDUITS WHERE SHOWN OR
- REQUIRED BY THE NEC. PROVIDE EXPANSION FITTINGS IN CONDUIT WHERE SHOWN OR REQUIRED BY THE NEC. ALL CONDUITS SHALL BE MET WITH BENDS MADE IN ACCORDANCE WITH NEC. NO RIGHT ANGLE DEVICE OTHER THAN STANDARD CONDUIT ELBOWS WITH 12 INCH MINIMUM INSIDE
- SWEEPS FOR ALL CONDUITS 2 INCH OR LARGER. 10. THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL) BETWEEN PULL BOXES, CONDUIT BODIES AND BOXES. CONTRACTOR SHALL FURNISH AND INSTALL ANY/ALL JUNCTION BOXES SIZED IN ACCORDANCE WITH
- THE NEC REQUIREMENTS AS REQUIRED FOR THE INSTALLATION. 11. ALL CONDUIT TERMINATIONS SHALL BE PROVIDED WITH PLASTIC THROAT INSULATING
- GROUND BUSHINGS. 12. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL CONDUITS DURING
- 13. TEMPORARY OPENINGS IN THE CONDUIT SYSTEM SHALL BE PLUGGED OR CAPPED TO PREVENT ENTRANCE OF MOISTURE OR FOREIGN MATTER. CONTRACTOR SHALL REPLACE ANY CONDUITS CONTAINING FOREIGN MATERIALS THAT CANNOT BE REMOVED.
- 14. ALL CONDUITS SHALL BE SWABBED CLEAN BY PULLING AN APPROPRIATELY SIZED MANDREL THROUGH THE CONDUIT BEFORE INSTALLATION OF CONDUCTORS OR CABLES. CONDUIT SHALL BE FREE OF DIRT AND DEBRIS.
- 15. INSTALL PULL STRINGS IN ALL CLEAN EMPTY CONDUITS. IDENTIFY PULL STRINGS AT
- 16. INSTALL 2" HIGHLY VISIBLE AND DETECTABLE TAPE 12" ABOVE ALL UNDERGROUND
- CONDUIT AND CONDUCTORS, OR AS INDICATED ON THE DRAWINGS.
- 17. CONDUITS SHALL BE INSTALLED IN SUCH A MANNER AS TO ENSURE AGAINST
- COLLECTION OF TRAPPED CONDENSATION. 18. PROVIDE CORE DRILLING AS NECESSARY FOR PENETRATIONS TO ALLOW FOR RACEWAYS AND CABLES TO BE ROUTED THROUGH THE BUILDING. DO NOT PENETRATE STRUCTURAL MEMBERS. SLEEVES AND/OR PENETRATIONS IN FIRE RATED CONSTRUCTION (WALLS AND FLOORS) SHALL BE EFFECTIVELY SEALED WITH FIRE RATED MATERIAL WHICH SHALL MAINTAIN THE FIRE RATING OF THE WALL, FLOOR OR STRUCTURE. FIRE STOPS AT FLOOR PENETRATIONS SHALL PREVENT PASSAGE OF WATER, SMOKE, FIRE AND FUMES. ALL MATERIAL SHALL BE U.L. APPROVED FOR THIS PURPOSE
- 19. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES FOR ATTACHING HANGERS TO STRUCTURE ARE NOT PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CONDUI SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, PARALLEL AND PERPENDICULAR TO THE STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED TO PREVENT CONCRETE. PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
- 20. SPARE CONDUITS SHALL BE FURNISHED WITH PULL LINES AND CAPPED WITH FACTORY
- 21. LABEL ALL CROWN CASTLE CONDUITS EVERY 20' THROUGH THE BUILDING AND ON THE ROOF. "CROWN CASTLE" USING STENCILS AND SPRAY PAINT.

<u>CONDUCTORS</u>

- 1. CONDUCTORS AND CABLE SHALL BE FLAME-RETARDANT, MOISTURE AND HEAT RESISTANT THERMOPLASTIC, SINGLE CONDUCTOR, COPPER, TYPE THHN/THWN-2, 600 VOLT, OR TYPE XHHW, 600V OR XHHW-2, 600V. SIZE AS INDICATED. #12 AWG SHALL BE THE MINIMUM SIZE CONDUCTOR.
- #10 AWG AND SMALLER CONDUCTORS SHALL BE SOLID AND #8 AWG AND LARGER CONDUCTORS SHALL BE STRANDED.
- 3. SOLDERLESS, COMPRESSION-TYPE CONNECTORS SHALL BE USED FOR TERMINATION OF ALL STRANDED CONDUCTORS.
- 4. ALL CONDUCTORS SHALL BE TAGGED AT BOTH ENDS OF THE CONDUCTOR, AT ALL PULL BOXES, JUNCTION BOXES, EQUIPMENT AND CABINETS AND SHALL BE IDENTIFIED WITH APPROVED PLASTIC TAGS.
- CONTRACTOR SHALL PROVIDE STRAIN-RELIEF AND CABLE SUPPORTS FOR ALL CABLE ASSEMBLIES, COAX CABLES, AND AISG RET CABLES. CABLE STRAIN-RELIEF & CABLE SUPPORTS SHALL BE APPROVED FOR THE PURPOSE. ZIP TIES OR VELCRO STRAPS ARE NOT PERMITTED.

ELECTRICAL SPECIFICATIONS: ELECTRICAL MATERIALS AND EQUIPMENT, CONTINUED DISCONNECT SWITCHES

- 1. DISCONNECT SWITCHES SHALL BE HEAVY DUTY, FUSIBLE, DEAD FRONT, QUICK—MAKE, QUICK—BREAK, EXTERNALLY OPERABLE, HANDLE LOCKABLE AND INTERLOCK WITH COVER IN CLOSED POSITION,
- VOLTAGE, AMPERAGE AND NEMA RATING AS INDICATED. 2. INSTALL DISCONNECT SWITCHES LEVEL AND PLUMB. CONNECT TO WIRING SYSTEM AND GROUNDING SYSTEM AS INDICATED.
- 3. PROVIDE A WHITE PHENOLIC SIGN WITH 3/4" RED ENGRAVED LETTERING LABELING EACH SERVICE DISCONNECT AS "SERVICE DISCONNECT". IF SOURCE IS HOUSE POWER, INCLUDE LOCATION AND LABEL OF PANEL FEEDING EQUIPMENT. HVAC DISCONNECTS SHALL BE LABELED "HVAC DISCONNECT" AND
- INCLUDE PANEL AND CIRCUIT NUMBER OF CIRCUIT SERVING THE HVAC EQUIPMENT. 4. ALL FUSIBLE DISCONNECTS SHALL BE FURNISHED WITH CLASS RK-1 FUSES, SIZED AS INDICATED.

<u>PANELBOARDS</u>

- 1. RATED FOR USE AT 120/240V, SINGLE PHASE, THREE WIRE PLUS GROUND, OR 120/208V, SINGLE PHASE, THREE WIRE PLUS GROUND OR 120/208V, THREE PHASE, FOUR WIRE PLUS GROUND AS REQUIRED FOR THE INTENDED APPLICATION OR AS INDICATED ON THE DRAWINGS.
- 2. ALUMINUM OR COPPER BUS, RATED FOR 200 AMPERES OR AS INDICATED ON THE DRAWINGS, AND HAVE A SHORT CIRCUIT WITHSTAND RATING OF 22,000 AIC MINIMUM.
- 3. MAIN CIRCUIT BREAKER SHALL BE 200 AMPERES OR AS INDICATED ON THE DRAWINGS AND HAVE A SHORT CIRCUIT RATING OF 22,000 AIC MINIMUM. THE MAIN BREAKER SHALL NOT BE INSTALLED SO AS TO BACKFEED THE PANEL BUS.
- 4. PANEL SHALL HAVE A NUMBER OF BRANCH CIRCUITS AS INDICATED ON THE DRAWINGS. THE MAIN BREAKER SHALL NOT USE ANY OF THESE SPACES.
- BRANCH CIRCUIT BREAKERS SHALL BE PLUG-IN OR BOLT-ON TYPE.
- BRANCH CIRCUIT BREAKERS SHALL HAVE A MINIMUM RATING OF 10,000 AIC. TANDEM BRANCH CIRCUIT BREAKERS ARE NOT PERMITTED
- 8. PANEL ENCLOSURE SHALL BE NEMA 1 FOR INTERIOR APPLICATIONS OR NEMA 3R FOR EXTERIOR APPLICATIONS OR AS INDICATED ON THE DRAWINGS.
- 9. DO NOT INSTALL PANEL UPSIDE DOWN.
- 10. WHERE A PANELBOARD IS INSTALLED, AN EXTERNAL SURGE PROTECTION DEVICE MUST ALSO BE INSTALLED ADJACENT AND CONNECTED TO THE PANELBOARD.
- 11. QUALITY PRODUCT CIRCUIT BREAKERS ARE NOT PERMITTED.
- 12. UNUSED BRANCH CIRCUIT SPACES SHALL HAVE PANEL MANUFACTURER'S BLANK SPACE INSERTS
- 13. ALL PANEL DIRECTORIES SHALL BE TYPEWRITTEN, NOT HANDWRITTEN.
- 14. PANEL DIRECTORIES SHALL BE UPDATED TO ACCURATELY REFLECT THE FINAL CIRCUITING.

15. ALL UNUSED CIRCUIT BREAKERS SHALL BE SWITCHED OFF AND LABELED "SPARE".

EXTERNALLY MOUNTED SURGE PROTECTION DEVICES

- 1. RATED FOR THE INTENDED APPLICATION AND AS INDICATED ON THE DRAWINGS: 120/240V, SINGLE PHASE, OR 120/208V, SINGLE PHASE, OR 120/208V, THREE PHASE, OR 480/277V, SINGLE PHASE OR 480/277V, THREE PHASE.
- RATED FOR 100KA PEAK SURGE CURRENT PER PHASE.
- INDICATOR LEDS FOR NORMAL AND FAULT CONDITION FOR EACH PHASE. 4. U.L. LISTED 1449
- 5. ENCLOSURE SHALL BE: INTERIOR APPLICATIONS, NEMA 1. EXTERIOR APPLICATIONS: NEMA 3R OR NEMA 4 OR NEMA 4X STAINLESS STEEL.

POWER PROTECTION CABINET (PPC)

- 1. RATED FOR USE AT 120/240V, SINGLE PHASE, THREE WIRE PLUS GROUND OR 120/208V, SINGLE PHASE, THREE WIRE PLUS GROUND OR 120/208V, THREE PHASE, FOUR WIRE PLUS GROUND AS
- REQUIRED FOR THE INTENDED APPLICATION OR AS INDICATED ON THE DRAWINGS. 2. ALUMINUM OR COPPER BUS, RATED FOR 200 AMPERES OR AS INDICATED ON THE DRAWINGS, AND HAVE A SHORT CIRCUIT WITHSTAND RATING OF 22,000 AIC MINIMUM.
- 3. TWO (2) MAIN CIRCUIT BREAKERS, MECHANICALLY INTERLOCKED, THAT ACT AS A MANUAL TRANSFER SWITCH, BREAK BEFORE MAKE, ALLOW FOR A NORMAL AND PORTABLE GENERATOR STANDBY FEEDS. MAIN BREAKERS SHALL BE 200 AMPERES AND HAVE A SHORT CIRCUIT RATING OF 22,000 AIC
- MINIMUM. CONTRACTOR SHALL ENSURE THAT THE MECHANICAL INTERLOCK HAS BEEN INSTALLED. 4. INTERNAL PANEL SHALL HAVE A MINIMUM OF TWENTY FOUR (24) BRANCH CIRCUITS AVAILABLE.
- BRANCH CIRCUIT BREAKERS SHALL HAVE A MINIMUM RATING OF 10,000 AIC.
- TANDEM BRANCH CIRCUIT BREAKERS ARE NOT PERMITTED.
- CLASSIFIED PRODUCT CIRCUIT BREAKERS ARE NOT PERMITTED. 9. FURNISHED WITH INTERNAL, FACTORY INSTALLED, INTEGRATED SURGE SUPPRESSION.
- 10. FURNISHED WITH STANDBY GENERATOR INLET (RECEPTACLE), REVERSE SERVICE RATED. VOLTAGE AND AMPERAGE AS INDICATED ON THE DRAWINGS. GENERATOR RECEPTACLE SHALL BE FACTORY INSTALLED ON SIDE OF PPC UNLESS SHOWN AS REMOTE MOUNTED ON THE DRAWINGS
- 11. UNUSED BRANCH CIRCUIT BREAKERS SHALL HAVE PANEL MANUFACTURER'S BLANK SPACE INSERTS INSTALLED.
- 12. ENCLOSURE SHALL BE NEMA 1 FOR INTERIOR APPLICATIONS OR NEMA 3R FOR EXTERIOR APPLICATIONS OR AS INDICATED ON THE DRAWINGS.
- 13. IF AN EXISTING PPC IS MISSING THE MECHANICAL INTERLOCK, THE CONTRACTOR SHALL FURNISH AND INSTALL THE CORRECT FACTORY MECHANICAL INTERLOCK ON THE TWO (2) MAIN CIRCUIT BREAKERS.
- 14. ALL PANEL DIRECTORIES SHALL BE TYPEWRITTEN, NOT HANDWRITTEN.
- 15. PANEL DIRECTORIES SHALL BE UPDATED TO ACCURATELY REFLECT THE FINAL CIRCUITING.
- 16. ALL UNUSED CIRCUIT BREAKERS SHALL BE SWITCHED OFF AND LABELED "SPARE".

EXTERIOR COMBINATION GFCI/SWITCH UNIT

- 1. WEATHERPROOF ENCLOSURE WHICH INCLUDES A 120V, 20A GFCI RECEPTACLE AND A 120V. 20A TOGGLE SWITCH.
- "IN-USE" COVER, CORROSION RESISTANT, GALVANIZED STEEL ENCLOSURE. 3. GFCI RECEPTACLE AND LIGHT SWITCH SHALL BE WIRED ON SEPARATE CIRCUITS, UNLESS OTHERWISE
- NOTED ON THE DRAWINGS.

4. G.E. # U010S010GRP OR APPROVED EQUAL.

- INSTALL IN ACCORDANCE WITH NEC 300.19
- FOR USE WITH THREADED OR NON-THREADED CONDUIT MALLEABLE OR DUCTILE IRON WITH HOT DIP GALVANIZED FINISH
- 4. WEDGING PLUG
- 5. O/Z GEDNEY TYPE "S", TYPE "R" OR EQUAL

LED LIGHT FIXTURE

VERTICAL CABLE SUPPORTS

- 1. ALUMINUM HOUSING, TWO ADJUSTABLE AIMABLE HEADS, LED LAMPS
- INTEGRAL MOTION SENSOR AND PHOTOCELL
- 3. FIELD SETTABLE TIME FOR ON
- 4. 120V, BRONZE OR BLACK FINISH 5. LITHONIA #0FLR6LC120M0BZ OR RAB #SMSBULLET2X12NA OR EQUAL



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





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DRAWN BY: CG **CHECKED BY:** AC NOTED 230307600/876375 **DRAWING TITLE:**

ELECTRICAL NOTES & SPECIFICATIONS

DRAWING SHEET:



SITE INFORMATION: SITE NAME: CANTERBURY / LEMIRE

SITE ADDRESS:

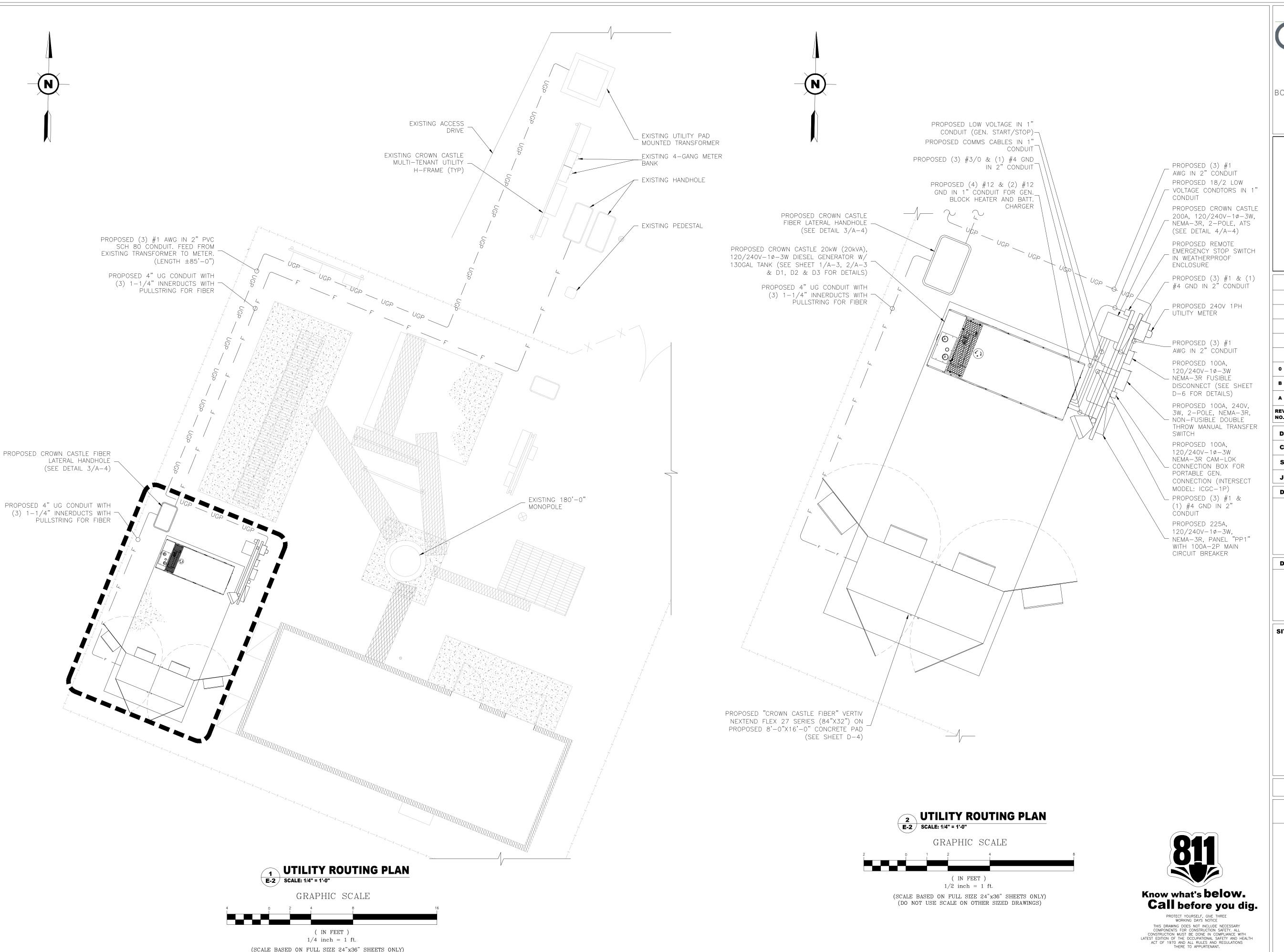
53 WESTMINSTER ROAD CANTERBURY, CT 0331

JURISDICTION:

WINDHAM COUNTY

SHEET NO. 9 OF 29





(SCALE BASED ON FULL SIZE 24"x36" SHEETS ONLY)
(DO NOT USE SCALE ON OTHER SIZED DRAWINGS)



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SCHEDULE OF REVISIONS

0 05/31/24 ISSUED FOR PERMIT

B 05/31/24 ISSUED FOR CLIENT REVIEW

A 05/02/24 ISSUED FOR CLIENT REVIEW

REV. DATE DESCRIPTION OF CHANGES

DRAWN BY: CG

CHECKED BY: AC

SCALE: NOTED 230307600/876

JOB NO: 230307600/876375

DRAWING TITLE:

UTILITY ROUTING PLAN

DRAWING SHEET:

E-2

SITE INFORMATION: SITE NAME:

SITE ADDRESS:

CANTERBURY / LEMIRE

53 WESTMINSTER ROAD CANTERBURY, CT 0331

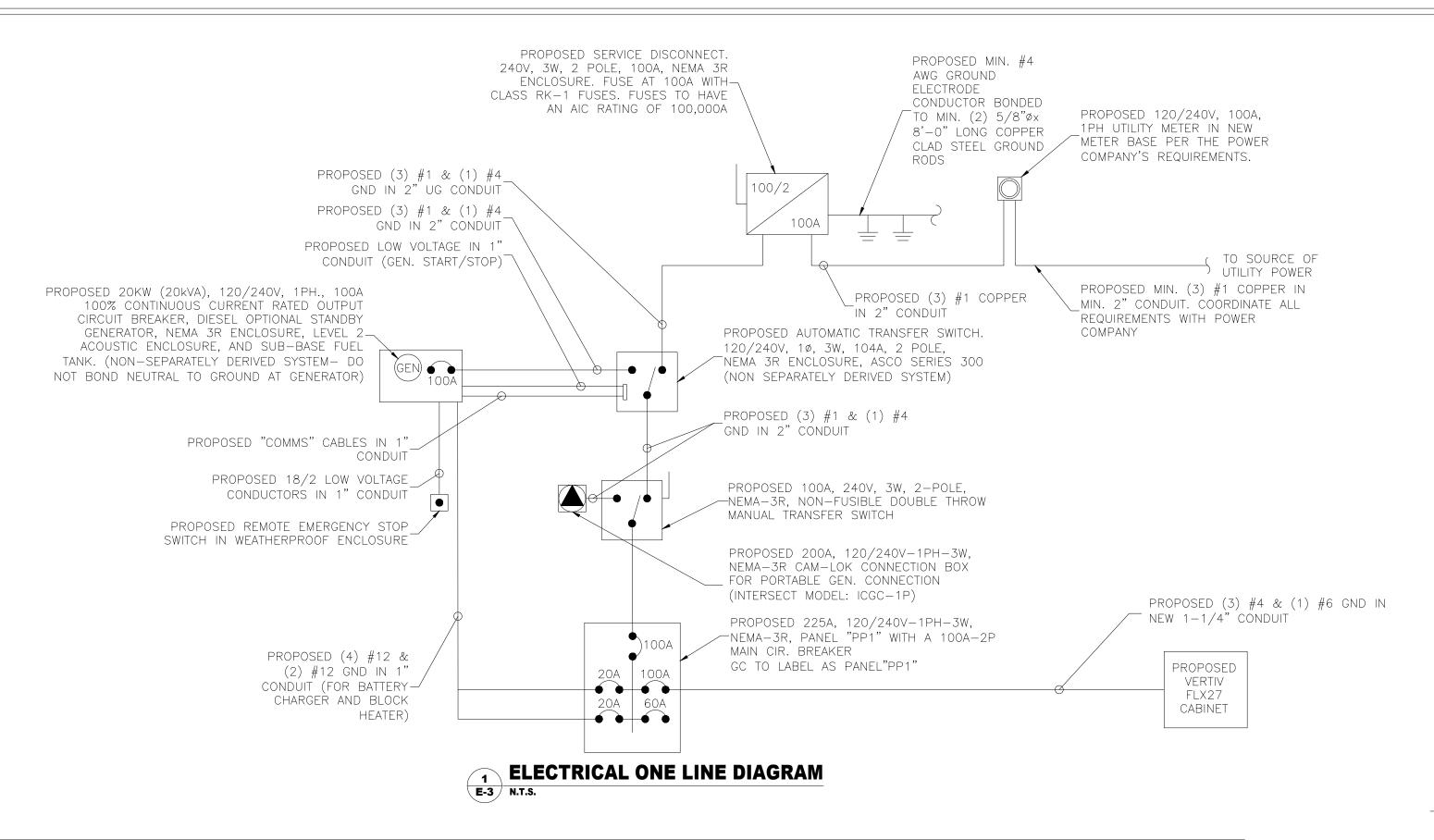
JURISDICTION:

WINDHAM COUNTY

SHEET NO. 10 OF 29



ROBERT JERRY LARA REGISTERED ARCHITECT STATE OF CONNECTICUT



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* = CONDUCTORS ARE RUN INSIDE SAME CONDUIT

<u>DEMAND LOAD CALC</u>

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

180 VA @ 100% = 180VA 14220 VA @ 100% =14220VA

TOTAL = 22454 VA (94 AMPS)

ELECTRICAL & GROUND SYMBOLS:

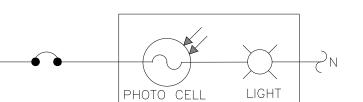
GROUND ROD WITH ACCESS 5/8"x10'-0" COPPERCLAD GROUND ROD DISCONNECT SWITCH METER CIRCUIT BREAKER (GEN) GENERATOR CADWELD TYPE CONNECTION (EXOTHERMIC WELD) MECHANICAL TYPE CONNECTION ----- GROUNDING WIRE

ABBREVIATIONS:

— P — P — POWER WIRE

— r — r — r — TELCO WIRE

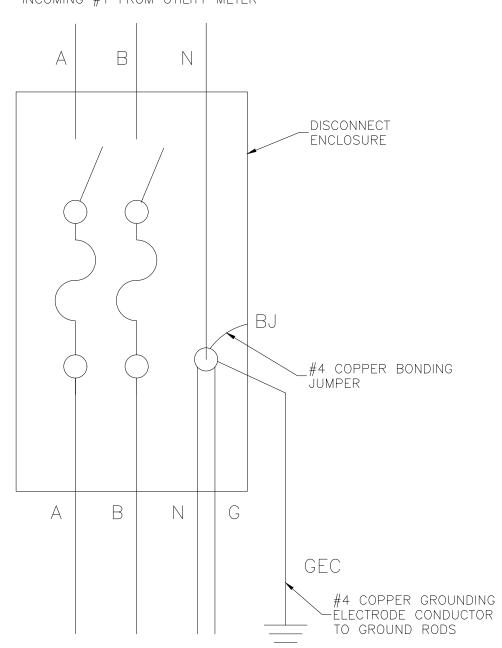
AMERICAN WIRE GAUGE BCTW BARE COPPER TINNED WIRE GLOBAL POSITIONING SYSTEM PERSONAL COMMUNICATION SYSTEM PPC POWER PROTECTION CABINET PRC PRIMARY RADIO CABINET RWY RACEWAY TYP TYPICAL RIGID GALVANIZED STEEL RGS EMT ELECTRICAL METALLIC TUBING DWG DRAWING IGR INTERIOR GROUND RING (HALO) ACCA ANTENNA CABLE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



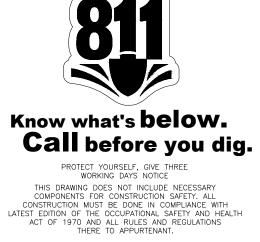
EXTERIOR LIGHT CIRCUIT

INCOMING #1 FROM UTILITY METER

(3) #1 & (1) #4 GND TO ATS



E-3 N.T.S.





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SCHEDULE OF REVISIONS		
0	05/31/24	ISSUED FOR PERMIT
В	05/31/24	ISSUED FOR CLIENT REVIEW
A	05/02/24	ISSUED FOR CLIENT REVIEW
REV. NO.	DATE	DESCRIPTION OF CHANGES
DR	AWN BY:	CG
CHECKED BY		Y: AC
SC	ALE:	NOTED
JO	B NO:	230307600/876375

ONE LINE DIAGRAM & PANEL SCHEDULE

DRAWING SHEET:

DRAWING TITLE:



SITE INFORMATION: SITE NAME: CANTERBURY / LEMIRE

SITE ADDRESS:

53 WESTMINSTER ROAD CANTERBURY, CT 0331

JURISDICTION:

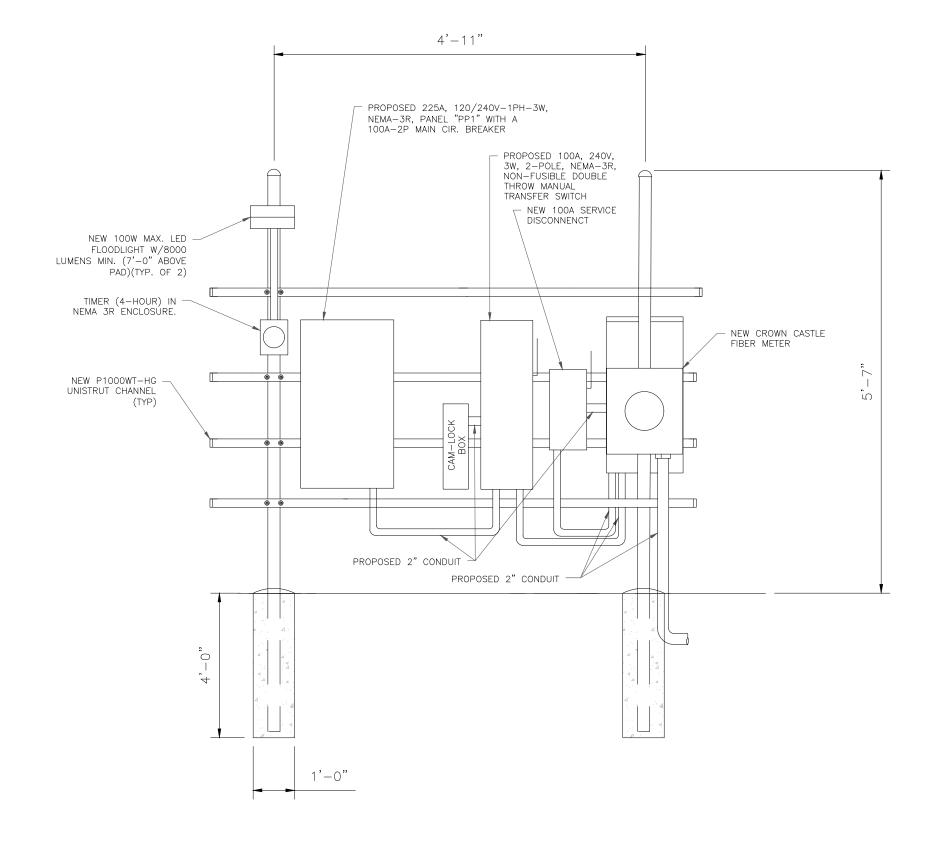
WINDHAM COUNTY

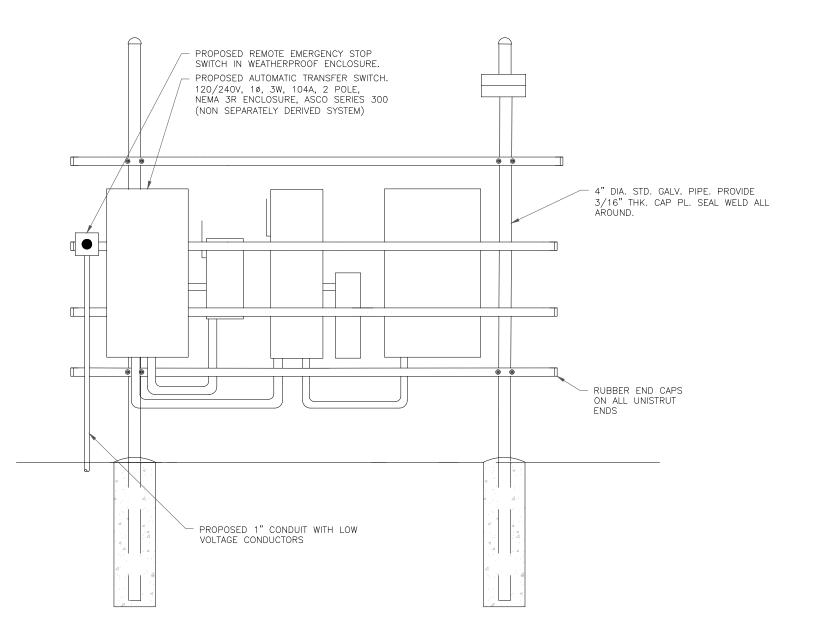
SHEET NO. 11 OF 29



PROPOSED PANEL SCHEDULE

SERVICE DISCONNECT GROUNDING AND BONDING DIAGRAM





H-FRAME DETAIL

FRONT

BACK





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	SC	HEDULE OF REVISIONS
0	05/31/24	ISSUED FOR PERMIT
	00/01/24	1000EBT ORT ERWIT
В	05/31/24	ISSUED FOR CLIENT REVIEW
A	05/02/24	ISSUED FOR CLIENT REVIEW
REV. NO.	DATE	DESCRIPTION OF CHANGES
DR	AWN BY:	CG
СН	IECKED B	Y: AC
SC	ALE:	NOTED

ELECTRICAL FUSED SWITCH DETAIL

DRAWING SHEET:

DRAWING TITLE:



SITE INFORMATION:
SITE NAME:

CANTERBURY / LEMIRE

SITE ADDRESS:

53 WESTMINSTER ROAD CANTERBURY, CT 0331

JURISDICTION:

WINDHAM COUNTY

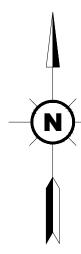
SHEET NO. 12 OF 29



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

by Schneider Electric

DWG# 3262S



 EXOTHERMIC WELD MECHANICAL CONNECTION

GROUNDING PLAN LEGEND:

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
- 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:

- (P) (2) #2 AWG SBTC CONDUCTORS BONDING GENERATOR TO GROUND RING (EACH AT OPPOSITE CORNERS)
- (P) #2 AWG SBTC CONDUCTORS BONDING EQUIPMENT CABINET TO GROUND RING. EXACT QUANTITY OF BINDS SHALL BE DETERMINED PER MANUF. SPECS.
- (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.
- (P) #2 AWG SBTC CONDUCTOR BONDING METAL ENCLOSURE OF H-FRAME ELEC. EQUIPMENT TO GROUND RING.



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В	05/31/24	ISSUED FOR CLIENT REVIEW
0	05/31/24	ISSUED FOR PERMIT

REV. NO.	DATE	DESCRIPTION OF CHANGES
DR	AWN BY:	CG
CHECKED BY:		f: AC
SCALE:		NOTED
JOB NO:		230307600/876375

DRAWING TITLE:

EQUIPMENT GROUNDING PLAN

DRAWING SHEET:



SITE INFORMATION:
SITE NAME:

CANTERBURY / LEMIRE **SITE ADDRESS:**

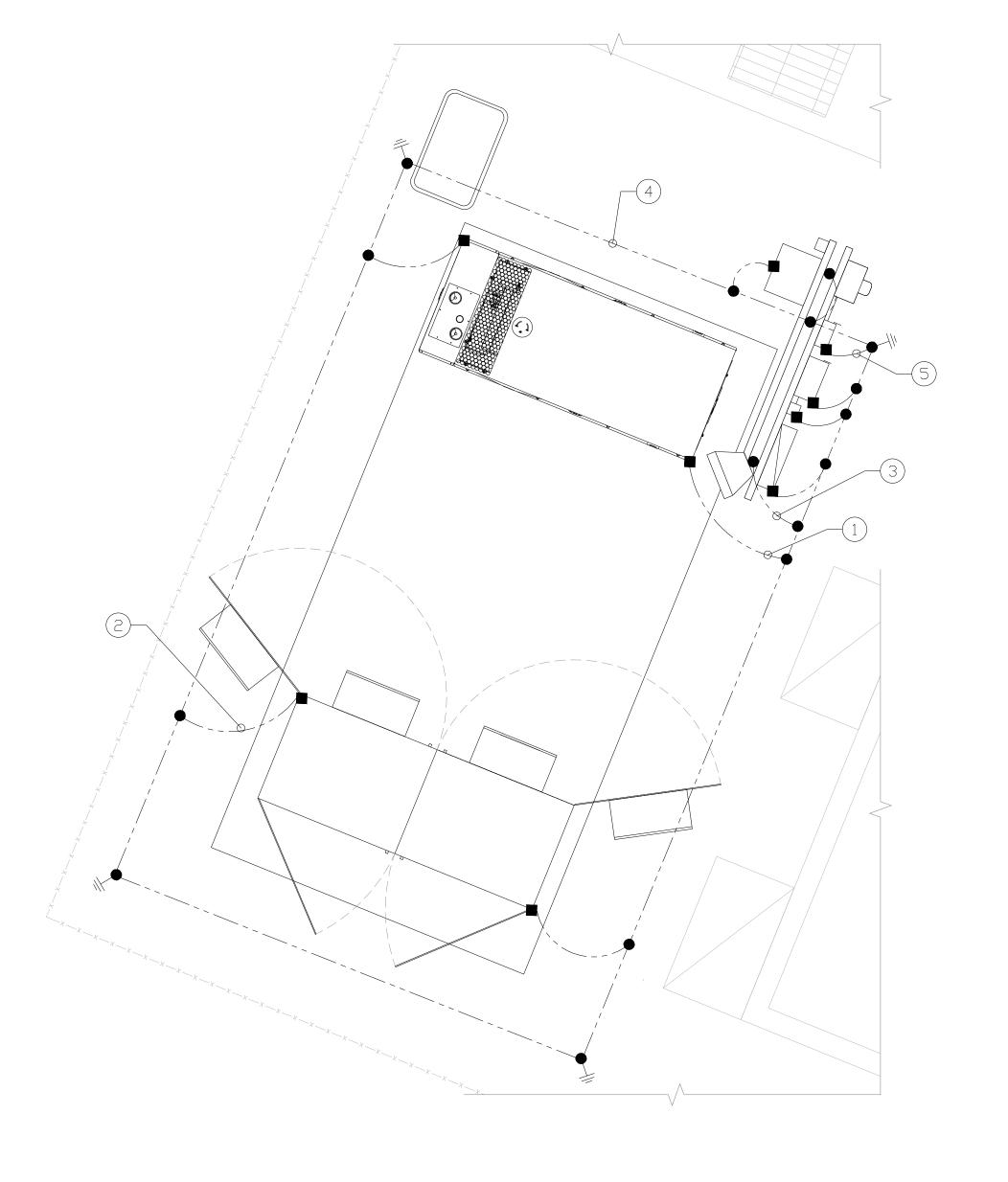
53 WESTMINSTER ROAD CANTERBURY, CT 0331

JURISDICTION:

WINDHAM COUNTY

SHEET NO. 13 OF 29



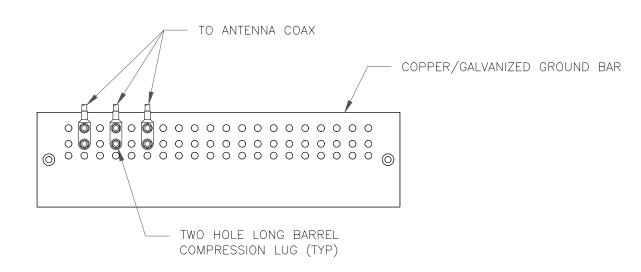


HUT GROUNDING PLAN G-1 SCALE: 1/2" = 1'-0"

GRAPHIC SCALE

(IN FEET) 1/2 inch = 1 ft.

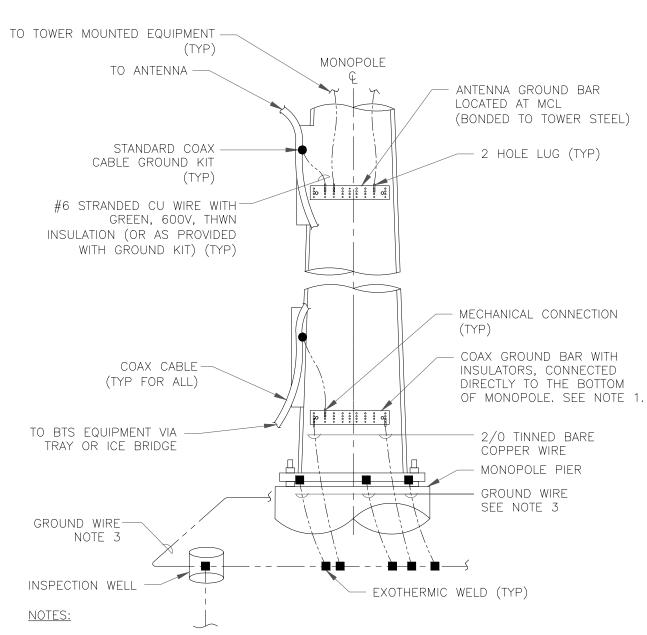
(SCALE BASED ON FULL SIZE 24"x36" SHEETS ONLY) (DO NOT USE SCALE ON OTHER SIZED DRAWINGS)



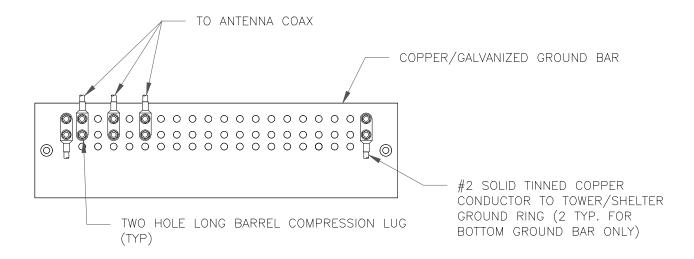
NOTES:

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





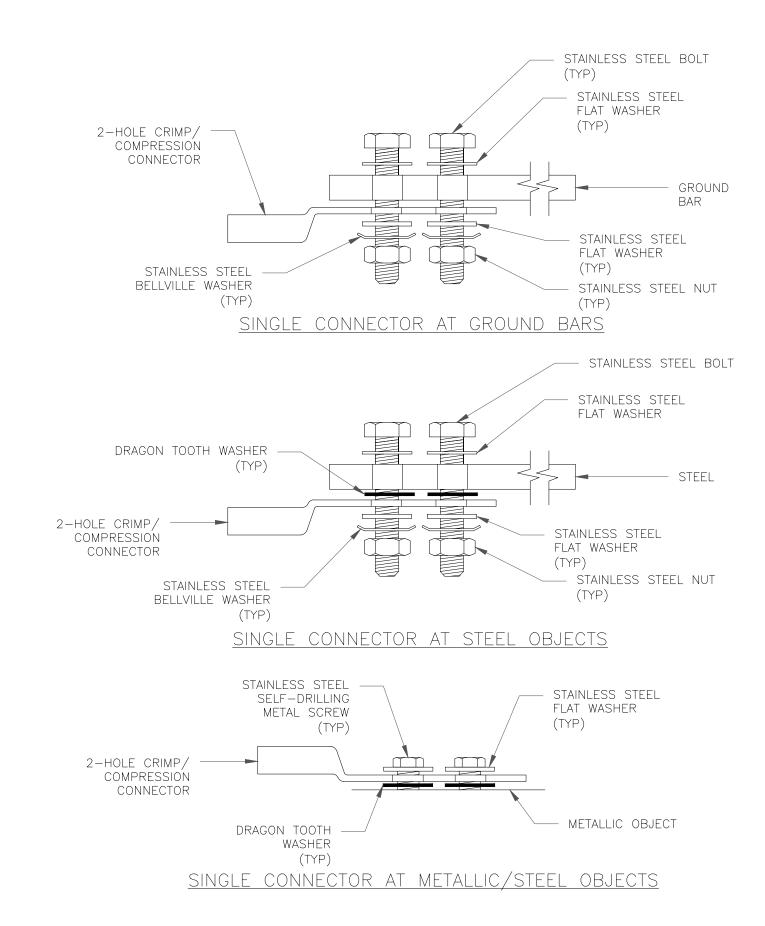
- 1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. COAXIAL CABLES EXCEEDING 200 FEET ON THE TOWER SHALL HAVE GROUND KITS AT THE MIDPOINT. PROVIDE AS REQUIRED.
- 2. ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO CROWN CASTLE USA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



NOTES:

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

TOWER/SHELTER GROUND BAR DETAIL g-2 NTS









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

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

DRAWING TITLE:

GROUNDING DETAILS

DRAWING SHEET:



SITE INFORMATION: SITE NAME:

CANTERBURY / LEMIRE

SITE ADDRESS:

53 WESTMINSTER ROAD CANTERBURY, CT 0331

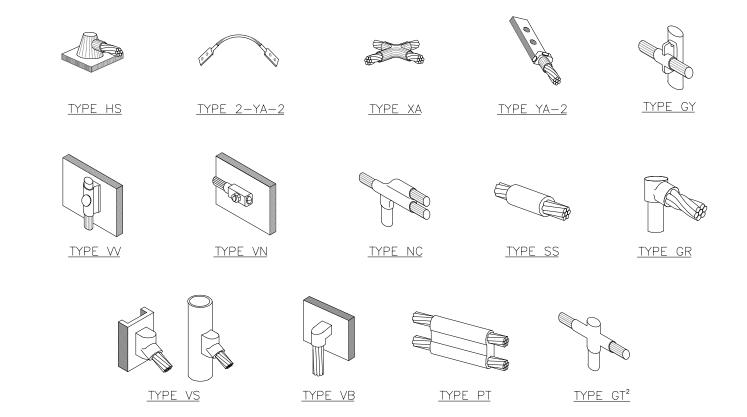
JURISDICTION:

WINDHAM COUNTY

SHEET NO. 14 OF 29



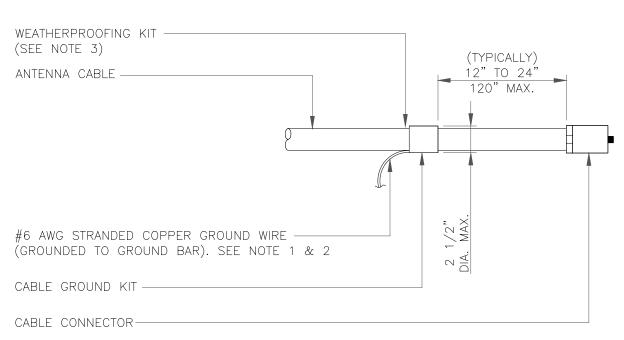
ROBERT JERRY LARA REGISTERED ARCHITECT STATE OF CONNECTICUT



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.

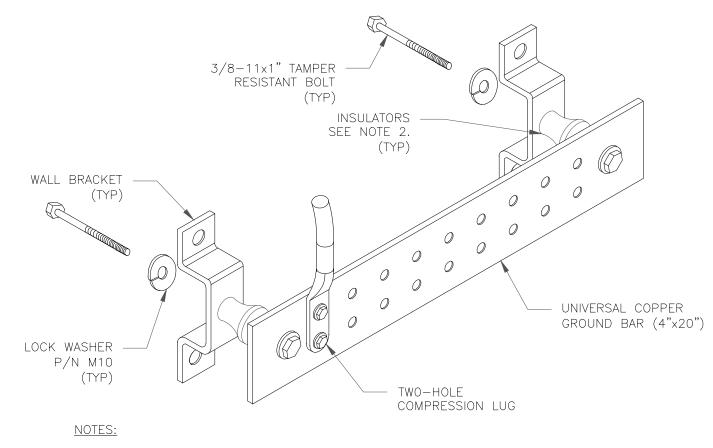
CADWELD GROUNDING CONNECTIONS G-3 NTS



NOTES:

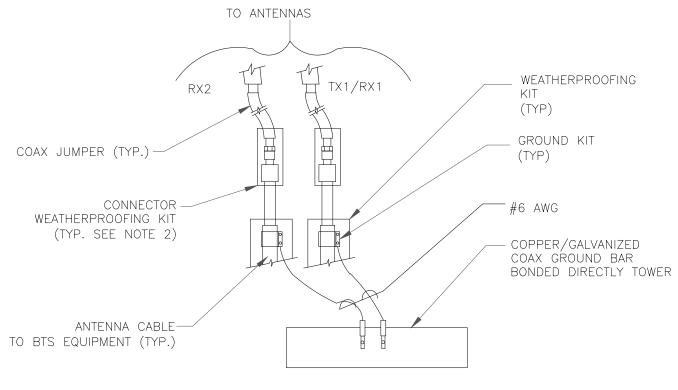
- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
- GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
- WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

CABLE GROUND KIT CONNECTION



1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-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.

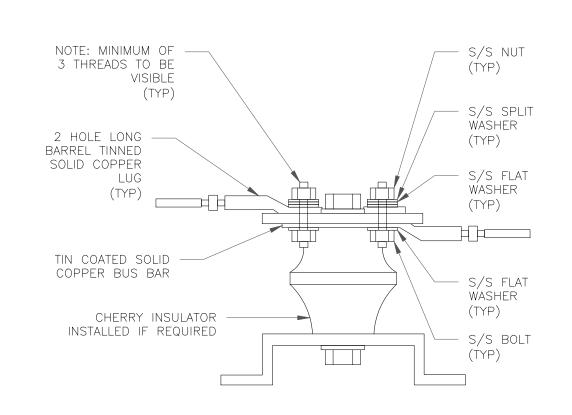
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.



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

GROUND CABLE CONNECTION G-3 NTS



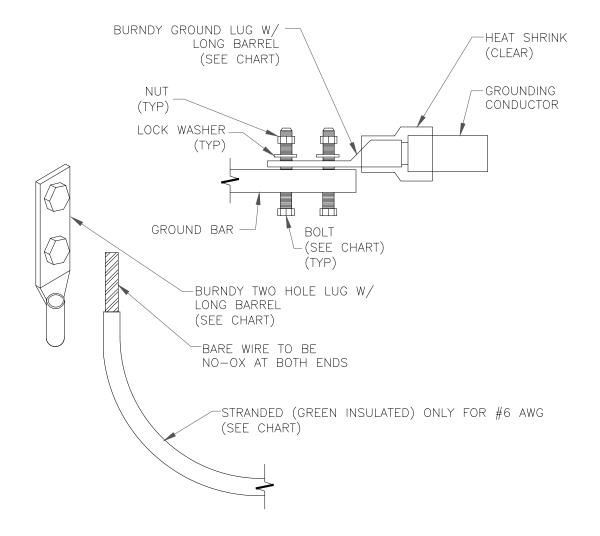


BOLT SIZE WIRE SIZE BURNDY LUG #6 AWG GREEN INSULATED YA6C-2TC38 3/8" - 16 NC S 2 BOLT

#2 AWG SOLID TINNED YA3C-2TC38 3/8" - 16 NC S 2 BOLT 3/8" - 16 NC S 2 BOLT #2 AWG STRANDED YA2C-2TC38 #2/0 AWG STRANDED YA26-2TC38 3/8" - 16 NC S 2 BOLT

1/2" - 16 NC S 2 BOLT

YA28-2N

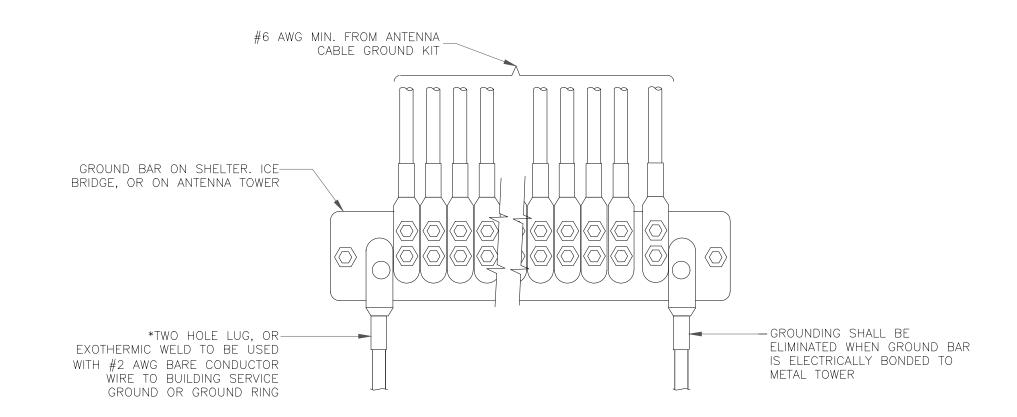


NOTES:

#4/0 AWG STRANDED

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.

MECHANICAL LUG CONNECTIONS



GROUNDWIRE INSTALLATION To see the second s



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SCHEDULE OF REVISIONS

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

	00
RAWN BY:	CG
CHECKED BY:	AC
SCALE:	NOTED
JOB NO:	230307600/876375

DRAWING TITLE:

GROUNDING DETAILS

DRAWING SHEET:



SITE INFORMATION: SITE NAME: **CANTERBURY / LEMIRE**

SITE ADDRESS:

53 WESTMINSTER ROAD CANTERBURY, CT 0331

JURISDICTION:

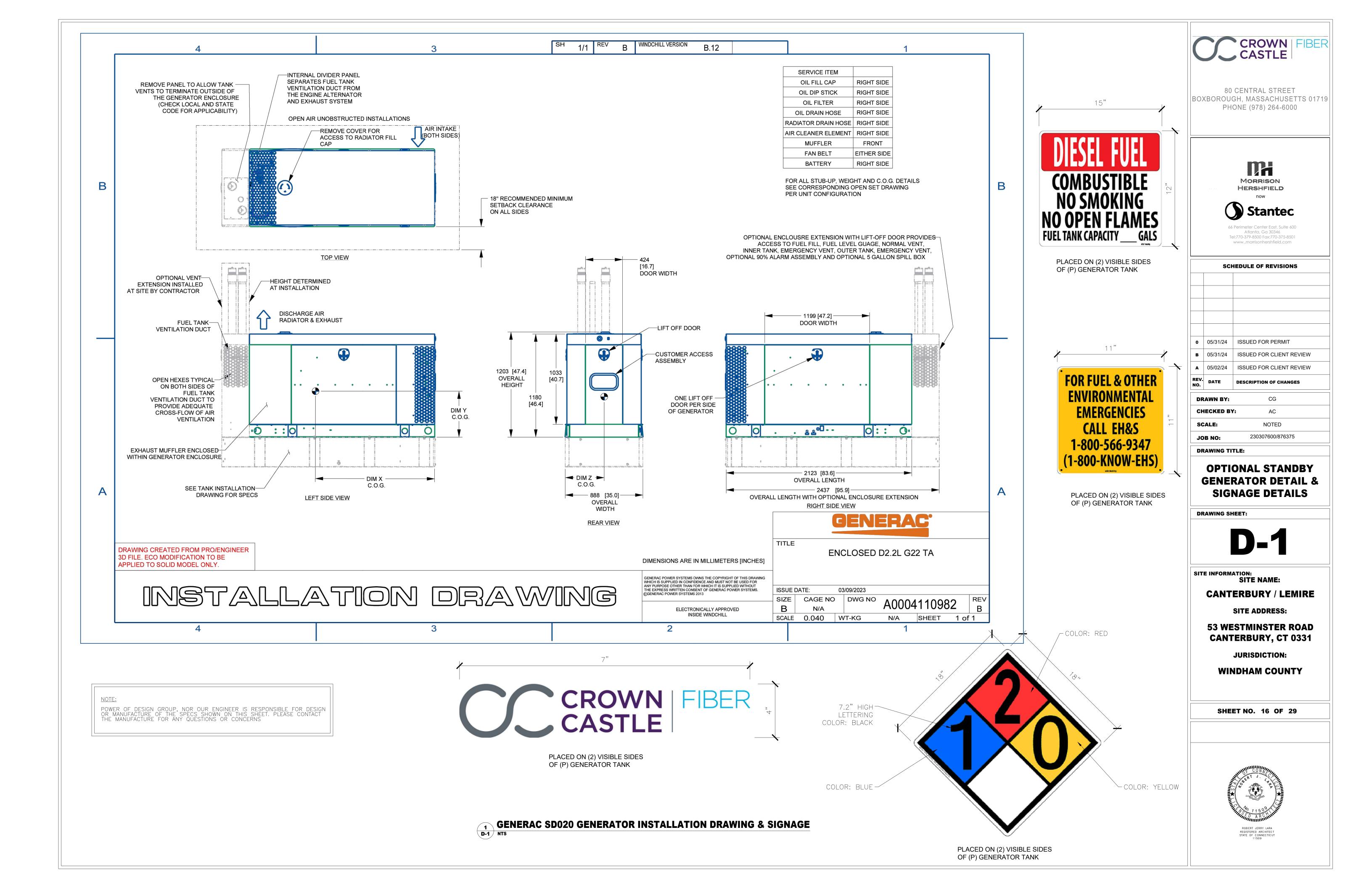
WINDHAM COUNTY

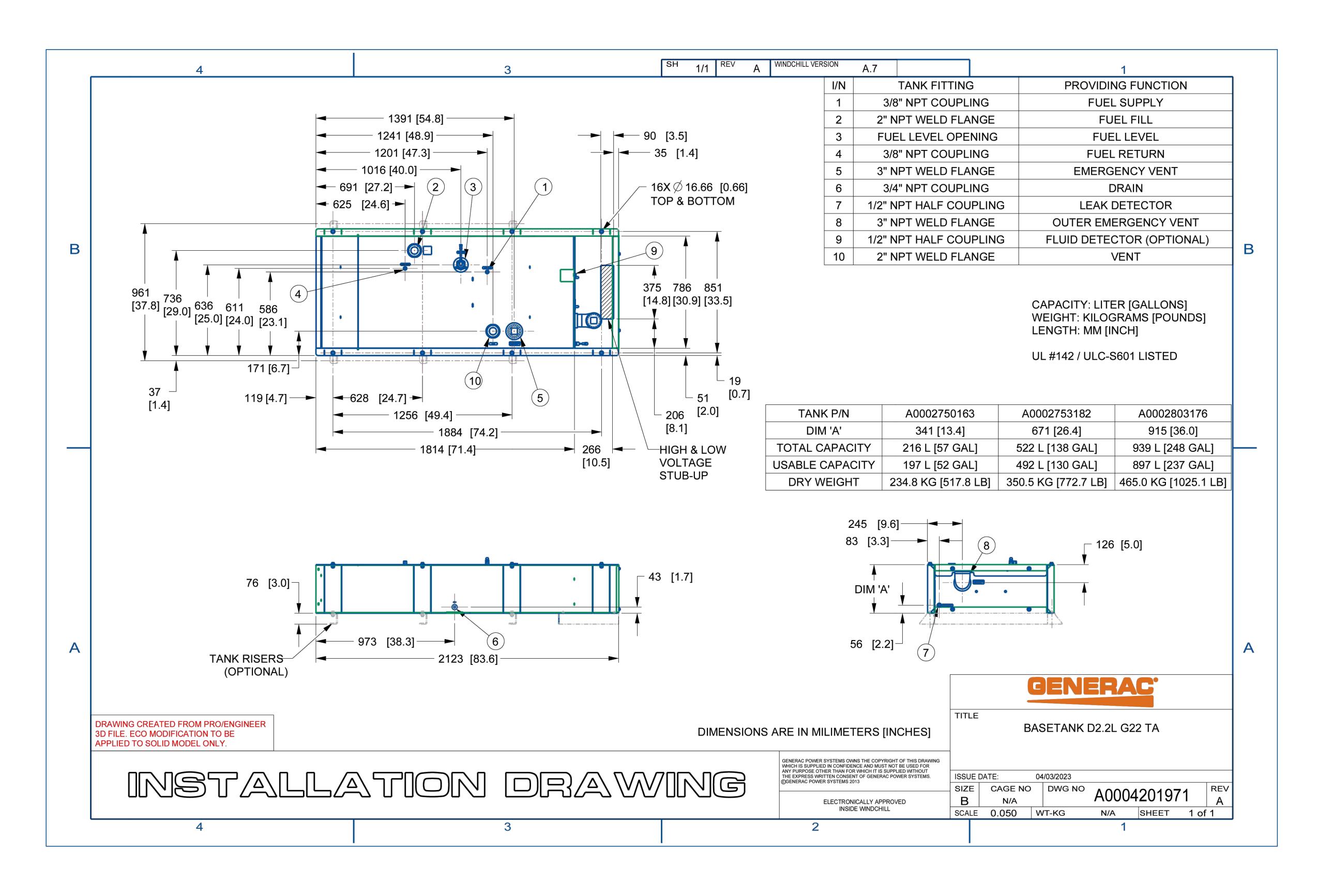
SHEET NO. 15 OF 29











NOTE:

POWER OF DESIGN GROUP, NOR OUR ENGINEER IS RESPONSIBLE FOR DESIGN OR MANUFACTURE OF THE SPECS SHOWN ON THIS SHEET. PLEASE CONTACT THE MANUFACTURE FOR ANY QUESTIONS OR CONCERNS





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JO	B NO:	230307600/876375
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GENERATOR SPECS

DRAWING SHEET:

D-2

SITE INFORMATION:
SITE NAME:

CANTERBURY / LEMIRE

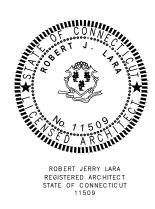
SITE ADDRESS:

53 WESTMINSTER ROAD CANTERBURY, CT 0331

JURISDICTION:

WINDHAM COUNTY

SHEET NO. 17 OF 29





GENERAC INDUSTRIAL

Standby Power Rating 20 kW, 25 kVA, 60 Hz

EPA Certified Stationary Emergency



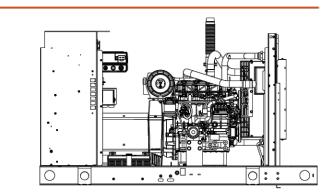


Image used for illustration purposes only

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.



CSA C22.2, ULC S601



BS5514 and DIN 6271



NFPA 37, 70, 99, 110



NEC700, 701, 702, 708 NEMA ICS10, MG1, 250, ICS6,



ANSI C62.41

Powering Ahead

For over 60 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software. Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse

Generac is committed to ensuring our customers' service support continues after their generator purchase.

SD020T | 2.2L | 20 kW INDUSTRIAL DIESEL GENERATOR SET

GENERAC' | INDUSTRIAL

EPA Certified Stationary Emergency

STANDARD FEATURES

ENGINE SYSTEM

ELECTRICAL SYSTEM

- Oil Drain System · Battery Charging Alternator Air Cleaner Battery Cables . Level 1 Fan and Belt Guards (Open Set Only) Battery Tray Rubber-Booted Engine Electrical Connections
- · Factory Filled Oil and Coolant · Radiator Duct Adapter (Open Set Only) · Critical Silencer (Enclosed Units Only) ALTERNATOR SYSTEM

· Engine Coolant Heater **FUEL SYSTEM**

· Stainless Steel Flexible Exhaust Connection

· Fuel Lockoff Solenoid Primary Fuel Filter

COOLING SYSTEM

· Closed Coolant Recovery System UV/Ozone Resistant Hoses Factory-Installed Radiator

50/50 Ethylene Glycol Antifreeze

Radiator Drain Extension

· Full Load Capacity Alternator · Protective Thermal Switch

2/3 Pitch

Skewed Stator

Sealed Bearings

GENERATOR SET · Internal Genset Vibration Isolation

Separation of Circuits - High/Low Voltage

. Silencer Mounted in the Discharge Hood

(Enclosed Units Only)

· Not in Auto (Flashing Light)

· Full Range Standby Operation

· Ruptured Tank Detection

· Auxiliary Shutdown Switch

Remote Communications

Emergency Stop

Modbus® RTU

Power Factor

CANbus

· Rotor Dynamically Spin Balanced

· Amortisseur Winding (3-Phase Only)

Solenoid Activated Starter Motor

UL2200 GENprotect™

Brushless Excitation

Class H Insulation Material

. Separation of Circuits - Multiple Breakers Wrapped Exhaust Piping (Enclosed Units Only) Standard Factory Testing · 2 Year Limited Warranty (Standby Rated Units)

CONTROL SYSTEM



· All-Phase Sensing Digital Voltage Regulator

RS-232 x2

On/Off/Manual Switch

RS-485 x2

- Power Zone® 410 Controller Full System Status Display · Programmable Auto Crank Full System Status Display · Selectable Low Speed Exercise · Multilingual 128x64 Graphical Display with Heater
 - · Easy Status View LED Screen 3-Phase AC Volts 3-Phase Amps

· NFPA110 Module Included (Key Switch, Alarm,

ENCLOSURE (IF SELECTED)

- · Rust-Proof Fasteners with Nylon Washers to
- · High Performance Sound-Absorbing Material (Sound Attenuated Enclosures) Gasketed Doors
- · Upward Facing Discharge Hoods (Radiator and RhinoCoat™ - Textured Polyester Powder Coat

FUEL TANKS (IF SELECTED)

- UL 142/ULC S601 Double Wall
- · Normal and Emergency Vents Factory Pressure Tested Rupture Basin Alarm
- Fuel Level · Check Valve In Supply and Return Lines RhinoCoat™- Textured Polyester Powder Coat

- Stainless Steel Hardware

- Line Power/Gen Power
- Service Reminders · Fault History (Alarm Log) Oil Pressure
- Oil Temperature Indication and Alarm Output for Fuel Level High/Low Warning Water Temperature Water Level
- I²T Function for Full Generator Protection (Contact Fuel Pressure/Level Engine Speed Battery Voltage
 - Alternator Frequency
 - **Alarms and Warnings** Common Alarm Output Audible Alarm and Silence

ENGINE SYSTEM

SD020T | 2.2L | 20 kW

EPA Certified Stationary Emergency

CONFIGURABLE OPTIONS

o Critical Silencer (Open Set Only)

o Level 1 Fan and Belt Guards (Open Set Only)

ENGINE SYSTEM

Radiator Stone Guard

NPT Flexible Fuel Line

ELECTRICAL SYSTEM

o 10A UL Listed Battery Charger

ALTERNATOR SYSTEM

Anti-Condensation Heater

o Permanent Magnet Excitation

FUEL SYSTEM

Battery Warmer

Tropical Coating

GENERATOR SET

o Extended Factory Testing

o 8 Position Load Center

Pad Vibration Isolation

ENGINEERED OPTIONS

Oil Heater

INDUSTRIAL DIESEL GENERATOR SET

Coolant Heater Ball Valves Fluid Containment Pan

Special Testing

UL 2085 Tank

SD020T | 2.2L | 20 kW GENERAC INDUSTRIAL INDUSTRIAL DIESEL GENERATOR SET EPA Certified Stationary Emergency

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS		Cooling System
General		Cooling System Type
		Fan Type
Make	Perkins	Fan Speed - RPM
EPA Emissions Compliance	Stationary Emergency	Fan Diameter - in (mm)
EPA Emissions Reference	See Emission Data Sheet	
Cylinder #	4	Fuel System
Type	In-line	-
Displacement - in ³ (L)	135 (2.22)	Fuel Type
Bore - in (mm)	3.3 (84)	Fuel Specifications
Stroke - in (mm)	3.9 (100)	Fuel Filtering (Microns)
Compression Ratio	23.3:1	Fuel Inject Pump
Intake Air Method	Turbocharged/Aftercooled	Fuel Pump Type
Cylinder Head	Cast Iron	Injector Type
Piston Type	Aluminum	Fuel Supply Line - in (mm)
Crankshaft Type	Forged Steel	Fuel Return Line - in (mm)
Engine Governing		Engine Electrical System
Governor	Electronic Isochronous	System Voltage
Frequency Regulation (Steady State)	±0.5%	Battery Charger Alternator
		Battery Size

STANDARD ALTERNATOR	R SPECIFICATIONS	Standard Excitation	Synchronous Brushless	
Standard Model	K0035124Y26	Bearings	Single Sealed	
Poles	4	Coupling	Direct via Flexible Disc	
Field Type	Revolving	Prototype Short Circuit Test	Yes	
Insulation Class - Rotor	Н	Voltage Regulator Type	Digital	
Insulation Class - Stator	Н	Number of Sensed Phases	All	
Total Harmonic Distortion	<5% (3-Phase Only)	Regulation Accuracy (Steady State)	±0.25%	

SD020T | 2.2L | 20 kW INDUSTRIAL DIESEL GENERATOR SET EPA Certified Stationary Emergency

OPERATING DATA

POWER RATINGS

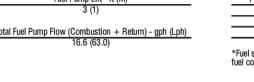
GENERAC' INDUSTRIAL

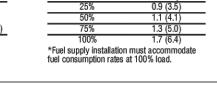
	Sta	ndby
ngle-Phase 120/240 VAC @1.0pf	20 kW	Amps: 83
ree-Phase 120/208 VAC @0.8pf	20 kW	Amps: 69
ree-Phase 120/240 VAC @0.8pf	20 kW	Amps: 60
ree-Phase 277/480 VAC @0.8pf	20 kW	Amps: 30
ree-Phase 346/600 VAC @0.8pf	20 kW	Amps: 24

MOTOR STARTING CAPABILITIES (SKVA)

		skVA vs	. Voltage Dip		
	277/480 VAC 3Ø	30%	208/240 VAC 3Ø	35%	
	K0050124Y26	41	K0050124Y26	44	_
	K0035044N26	41	K0035044N26	44	_
• •					

FUEL CONSUMPTION RATES*





COOLING

		Standby
Coolant Flow	gpm (Lpm)	14.9 (56.4)
Coolant System Capacity	gal (L)	3.3 (12.5)
Heat Rejection to Coolant	BTU/hr_(kW)	128,638 (37.7)
Inlet Air	cfm (m³/min)	3,841 (109)
Maximum Operating Ambient Temperature	°F (°C)	122 (50)
Maximum Operating Ambient Temperature (Before Derate)	See Bulletin No.	0199280SSD
Maximum Additional Radiator Backpressure	in H2O (kPa)	0.5 (0.12)

COMBUSTION AIR REQUIREMENTS

Standby - See Bulletin 0187500SSB

ENGINE Maximum Allowable Exhaust Backpressure (Post Silencer)
Exhaust Temperature (Rated Output)

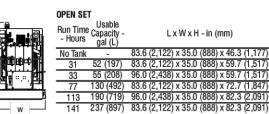
Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with BS5514 and DIN6271 standards.

| Standby | Flow at Rated Power - scfm (m³/min) | 87.9 (2.5)

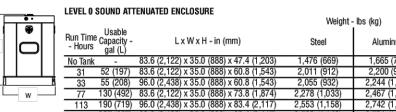
**Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.

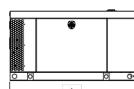
SD020T | 2.2L | 20 kW INDUSTRIAL DIESEL GENERATOR SET EPA Certified Stationary Emergency

DIMENSIONS AND WEIGHTS*

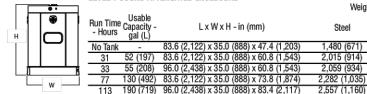


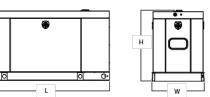
	_	1
•		





not extended tank offerings vary. Contact dealer for options.





Generac Power Systems, Inc. | \$45 W29290 HWY. 59 | Waukesha, WI 53189 | generac.com

CONTROL SYSTEM

GENERAC INDUSTRIAL

o Main Line Circuit Breaker NFPA Module NFPA 110 Compliant 21-Light Remote

CIRCUIT BREAKER OPTIONS

Electronic Trip Breakers

Level 0 Sound Attenuated

Level 1 Sound Attenuated

Level 2 Sound Attenuated

Factory for Availability)

Door Open Alarm Switch

AC/DC Enclosure Lighting Kit

2 Year Extended Limited Warranty

5 Year Extended Limited Warranty

7 Year Extended Limited Warranty

10 Year Extended Limited Warranty

5 Year Limited Warranty

GENERATOR SET

Up to 200 MPH Wind Load Rating (Contact

Steel Enclosure

Aluminum Enclosure

ENCLOSURE

- o 2nd Main Line Circuit Breaker o 3rd Main Line Circuit Breaker Remote Relay Assembly (8 or 16) Shunt Trip and Auxiliary Contact
 - o Oil Temperature Indicator and Alarm
 - Inputs (x12) / Outputs (x12) Battery Disconnect Switch
 - Remote E-Stop (Break Glass-Type, Surface o Remote E-Stop (Red Mushroom-Type, Surface
 - Remote E-Stop (Red Mushroom-Type, Flush

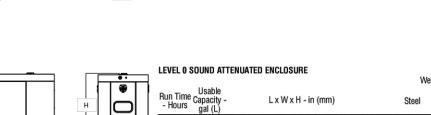
 - o 100 dB Alarm Horn Ground Fault Annunciator
 - o 120V GFCI and 240V Outlets 10A Engine Run Relay
- FUEL TANKS (SIZES ON LAST PAGE) WARRANTY (STANDBY GENSETS ONLY)
 - o 8 in (203.2 mm) Fill Extension o 13 in (330.2 mm) Fill Extension o 19 in (482.6 mm) Fill Extension Overfill Protection Valve
 - o 5 Gallon Spill Box Return Hose 5 Gallon Spill Box
 - o 12' Emergency Vent Fire Rated Stainless Steel Fuel Hose Fuel Drop Tube Vent Extensions
 - All Tanks Above 52 gal Available in Extended Option

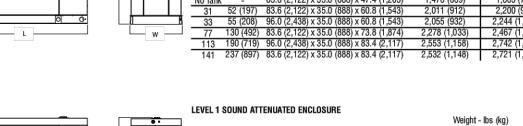
FUEL TANKS

 Stainless Steel Tank Special Fuel Tanks

GENERAC* INDUSTRIAL

Weight - lbs (kg) 1,291 (586) 1,826 (828)





•		н С	<u> </u>	- Hours	Capacity - gal (L)	LxWxH-in (mm)	Steel	Aluminum
			-	No Tank	-	83.6 (2,122) x 35.0 (888) x 47.4	1 (1,203) 1,480 (671)	1,669 (757
	1			31	52 (197)	83.6 (2,122) x 35.0 (888) x 60.8	3 (1,543) 2,015 (914)	2,204 (999
C	<u> </u>	 	- 	33	55 (208)	96.0 (2,438) x 35.0 (888) x 60.8	3 (1,543) 2,059 (934)	2,248 (1,020
			w 🔲	77	130 (492)	83.6 (2,122) x 35.0 (888) x 73.8	3 (1,874) 2,282 (1,035)	2,471 (1,121
			vv ——	113	190 (719)	96.0 (2,438) x 35.0 (888) x 83.4	(2,117) 2,557 (1,160)	2,746 (1,24
				141	237 (897)	83.6 (2,122) x 35.0 (888) x 83.4	1 (2,117) 2,536 (1,150)	2,725 (1,236

LEVEL 2 SOUND ATTENUATED ENCLOSURE LxWxH-in (mm) No Tank - 83.6 (2,122) x 35.0 (888) x 47.4 (1,203) 1,481 (672) 1,670 (758) 31 52 (197) 83.6 (2,122) x 35.0 (888) x 60.8 (1,543) 2,016 (914) 2,205 (1,000) 31 52 (197) 83.6 (2,122) x 35.0 (888) x 60.8 (1,543) 2,016 (914) 2,205 (1,000) 77 130 (492) 83.6 (2,122) x 35.0 (888) x 60.8 (1,543) 2,060 (934) 2,249 (1,020) 77 130 (492) 83.6 (2,122) x 35.0 (888) x 73.8 (1,874) 2,283 (1,036) 2,472 (1,121) 113 190 (719) 96.0 (2,438) x 35.0 (888) x 83.4 (2,117) 2,559 (1,160) 2,748 (1,246) 141 237 (897) 83.6 (2,122) x 35.0 (888) x 83.4 (2,117) 2,537 (1,151) 2,726 (1,236) * All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems industrial Dealer for detailed installation drawings. Extended and

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Part No. A0001967296 Rev. B 07/20/2023

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SCHEDULE OF REVISIONS

0 05/31/24 ISSUED FOR PERMIT B 05/31/24 ISSUED FOR CLIENT REVIEW **A** 05/02/24 ISSUED FOR CLIENT REVIEW **DESCRIPTION OF CHANGES**

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

GENERATOR SPECS

DRAWING SHEET:

SITE INFORMATION:

CANTERBURY / LEMIRE

SITE NAME:

SITE ADDRESS:

JURISDICTION:

WINDHAM COUNTY

53 WESTMINSTER ROAD CANTERBURY, CT 0331

SHEET NO. 18 OF 29



Vertiv™ XTE 601 Series Dual Bay Equipment Enclosures Description and Installation Manual

Vertiv™ XTE 601 Series Dual Bay Equipment Enclosures Description and Installation Manual

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

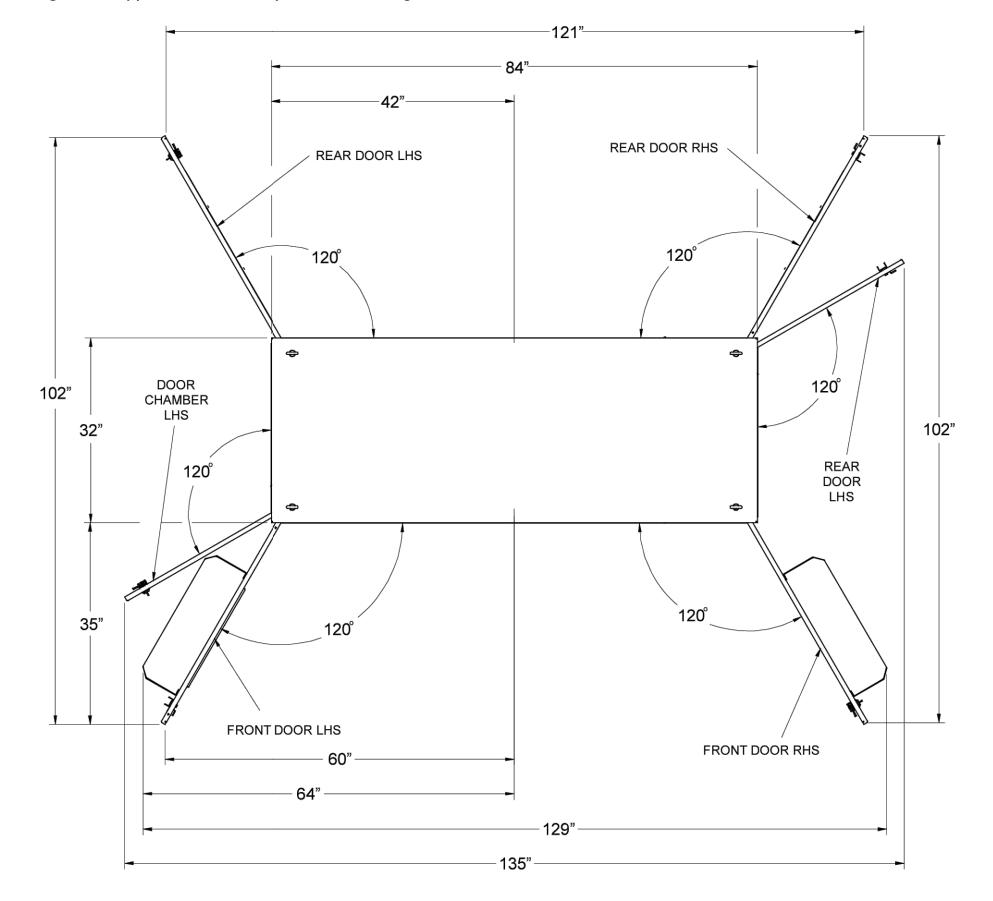
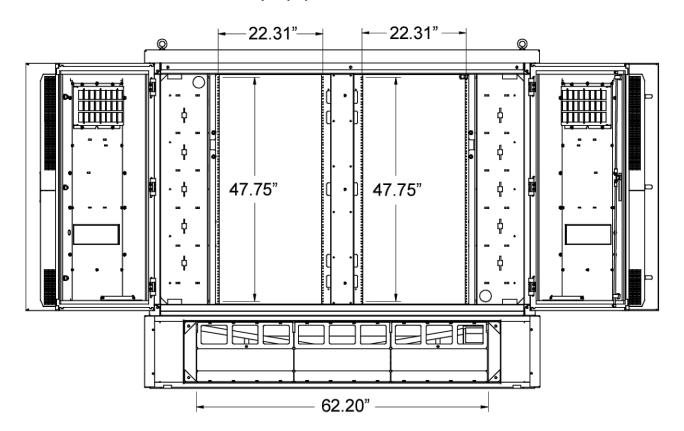
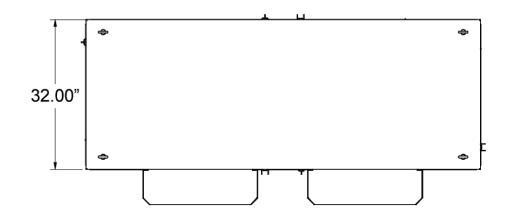
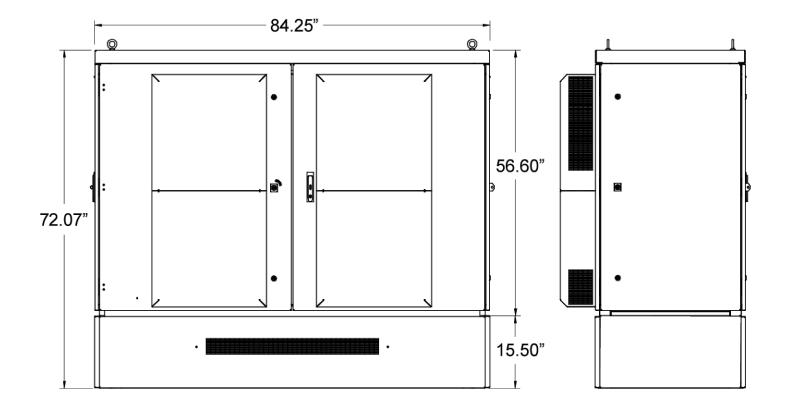


Figure 2.6 Vertiv™ XTE 601 Series Dual Bay Equipment Enclosure (84"W x 32"D) Dimensions







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VERTIV FLEX 27 XTE 601 SPECIFICATIONS

1 D-4 NTS

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В	05/31/24	ISSUED FOR CLIENT REVIEW

NO.	DATE	DESCRIPTION OF CHANGES
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sc	ALE:	NOTED
JO	B NO:	230307600/876375

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DRAWING SHEET:



SITE INFORMATION:
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SITE ADDRESS:

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JURISDICTION:

WINDHAM COUNTY

SHEET NO. 19 OF 29



Product data sheet



Enclosure Rating

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

Product availability: Stock - Normally stocked in distribution

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

240 V AC 250 V DC

NEMA 3

	20 hp at 250 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 12AWG 1/0 aluminium AWG 14AWG 1/0 copper
Tightening Torque	35 lbf.in (3.95 N.m) 0.000.01 in² (2.065.26 mm²) (AWG 14AWG 1/0) 40 lbf.in (4.52 N.m) 0.01 in² (8.37 mm²) (AWG 8) 45 lbf.in (5.08 N.m) 0.020.08 in² (13.3053.48 mm²) (AWG 8) 50 lbf.in (5.65 N.m) 0.040.08 in² (26.6753.48 mm²) (AWG 6AWG 4)
Depth	6.93 in (176.02 mm)
Width	11.96 in (303.78 mm)
Height	30.5 in (774.70 mm)

Certifications	UL Listed

Environment

Ordering and shipping details

40.50 lb(US) (18.37 kg)

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

Category	US10DE100133
Discount Schedule	0DE1
Gtin	785901308492
Returnability	Yes
Country Of Origin	us
Packing Units	
Unit Type Of Package 1	PCE
	PCE 1
Unit Type Of Package 1 Number Of Units In Package 1 Package 1 Height	
Number Of Units In Package 1	1
Number Of Units In Package 1 Package 1 Height	1 10.30 in (26.162 cm)

Gtin	785901308492
Returnability	Yes
Country Of Origin	US
Packing Units	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	10.30 in (26.162 cm)
Package 1 Width	12.50 in (31.75 cm)
Package 1 Length	33.00 in (83.82 cm)
Package 1 Weight	37.31 lb(US) (16.924 kg)

1	Contractual	warranty
- 7	M	

Sustainability Green

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standards and how to interpret environmental declarations. Learn more about Green Premium >



Well-being performance

Reach Free Of Svhc

Mercury Free

Transparency RoHS/REACh

Toxic Heavy Metal Free

Rohs Exemption Information

Certifications & Standards

Certifications & Standards		
REACh Declaration		
Compliant		
EU RoHS Declaration		
China RoHS declaration		
Pro-active China RoHS declaration (out of China RoHS legal scope)		
Product Environmental Profile		
No need of specific recycling operations		
WARNING: This product can expose you to chemicals including: Lead and lea compounds, which is known to the State of California to cause cancer and birt defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov		

May 17, 2024 Life is On Schneider

MTS SPEC

General Data Enclosure dimensions (H x W x D)

23 x 10 x 9.5 inches

for plastic zip ties

UL RAL 7035 - Light grey

UL 1008A, 5th ed, or current

Manufacturer's warranty

Ships with left opening; may open to the

of cabinet (Figure 3, front page)

1Ø, rated 240/120, 200 A,10 kA short

3Ø, rated 208/120, 200 amps,10 kA short

Powder coat paint

Pad lockable

Life is On Schneider



Power Transfer UL 1008A Listed to 200 A





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

- ICGC Series design features provide installation ease and flexiblity · 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
- Connect or disconnect Cam Lok-style connectors without tools—just a 180° turn assures a high-pressure contact with minimum resistance

retrofit engine generator connector to shelters or cabinets

10 kA short circuit rating appropriate for new and retrofit applications without requiring any labeling changes or derating of 10 kA 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 ICGC 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
- ICGC 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 fast, easy phase identification Male and female connectors provide insulated, recessed contacts and have no moving contact surfaces, eliminating risk of arcing or
- 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.



Optional Accessories		
ICGC-MB		
	Mounting box for use with 10 or 30 ICGC enclosures	
GenSetSS20CBLKIT		f gen set(s): 20' of SOOW-16-2 cable with 1/4" insulated ring M4340 & 20 mm drill bit
GenSetSS50CBLKIT		f gen set(s): 50' of SOOW-16-2 cable with 1/4" insulated ring M4340 & 20 mm drill bit
on 120/240 or 120/208 V up	to 200 A installations.	re UL 1008 Transfer Switch Power Inlet Standard rated for use
Type Male Electrical • UL Listed Cam-Lok:	style, 180° twist on/off	DANGER – HIGH VOLTAGE – KEEP OUT A – NOT FOR INDOOR USE – A ALL Intel Connections to be made by Qualified Personnel Only. DANGER – RISK OF ELECTRIC SHOCK For use only to connection of a portable generator in the source terminals of a transfer switch, such at the inlests are only energized from the generator. DANGER – Do not connected refs connectivity in energies. Bend on on generator prior to connecting the state of the connecting of the connecting to not remove cover plate unless automatic transfer switch is locked out and tagged out. This cover must be reinstalled ulter unlying is complete.
	GenSetSS2OCBLNIT GenSetSS5OCBLNIT 1. All parts listed include male on 120/240 or 120/208 V up Cam-Lok Style Contype Male Electrical UL Listed Cam-Lok single-pole recepta Conforms to NEC	GenSetSS20CBLKIT Cabling kit for auto start-stop of for gen set connection, HEVCO N GenSetSS50CBLKIT Cabling kit for auto start-stop of for gen set connection, HEVCO N 1. All parts listed include male Cam-Lok style connectors. Units at 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

single-pole receptacles Conforms to NEC 7.25" W x 3"D opening for cable conductors Rated up to 400 A, 208/120 V, 3Ø Cable management system is a bridge lance 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: right by moving hinges to the opposite side

Green — Ground

Black — Line 1

Red — Line 2

Blue – Line 3

May 17, 2024



Installation instructions are for a 240/120, single phase application. A 208/120, three phase application will include

Intersect, Inc. P.O. Box 753 — Liberty Lake WA 99019 — USA Phone: 509.255.9570 or 800.910.3735 — Fax: 509.255.6034

CAM LOCK SPEC D-5 NTS

All specifications subject to change without notice.
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SCHEDULE OF REVISIONS o 05/31/24 ISSUED FOR PERMIT B 05/31/24 ISSUED FOR CLIENT REVIEW A 05/02/24 ISSUED FOR CLIENT REVIEW DESCRIPTION OF CHANGES **DRAWN BY:** CG AC **CHECKED BY:**

JOB NO: **DRAWING TITLE:**

SCALE:

EQUIPMENT SPECS

NOTED

230307600/876375

DRAWING SHEET:



SITE INFORMATION: SITE NAME: CANTERBURY / LEMIRE

SITE ADDRESS:

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JURISDICTION:

WINDHAM COUNTY

SHEET NO. 20 OF 29



Product data sheet Characteristics

D223NRB SWITCH FUSIBLE GD 240V 100A 2P NEMA3R

Product availability: Stock - Normally stocked in distribution facility

Price*: 480.00 USD



- 1				
	N		ш	\sim
	IV	ıa	ш	

Product or component type	Single Throw Safety Switch	,
Line Rated Current	100 A	
Product certifications	UL listed	
NEMA degree of protection	NEMA 3R	
Disconnector 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	700
GTIN	00785901460701	
Nbr. of units in pkg.	1	
Package weight(Lbs)	15.4600000000001	ū
Returnability	Υ	
Country of origin	US	

Contractual warranty

Warranty period	18 months
-----------------	-----------

Sep 21, 2017

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CROWN | FIBER CASTLE

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SHEET NO. 21 OF 29



Product data sheet

Specifications

SQUARE 1



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

SSP01XDSE15A1

Discontinued on: May 12, 2023

① Discontinued

Main

Product

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)

Surge protection device

NEMA 4X

PCE

5.50 in (13.97 cm)

10.70 in (27.178 cm)

12.60 in (32.004 cm)

3.98 lb(US) (1.805 kg)

May 17, 2024

Environment

Packing Units

Unit Type Of Package 1

Package 1 Height

Package 1 Width

Package 1 Length

Package 1 Weight

Number Of Units In Package 1

Enclosure Rating

Life Is On Schneider

1

Sustainability Green PremiumTM Is

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Learn more about Green Premium >

Guide to assess a product's sustainability >

Well-being performance

Mercury Free	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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BOXBOROUGH, MASSACHUSETTS 01719
PHONE (978) 264-6000

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CHECKED BY:		AC
SCALE:		NOTED
JOB NO:		230307600/876375
DR		

EQUIPMENT SPECS

DRAWING SHEET:



SITE INFORMATION:
SITE NAME:

CANTERBURY / LEMIRE

SITE ADDRESS:
53 WESTMINSTER ROAD

CANTERBURY, CT 0331

JURISDICTION:

WINDHAM COUNTY

SHEET NO. 22 OF 29





Life Is On Schneider

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May 17, 2024

NOTE:

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