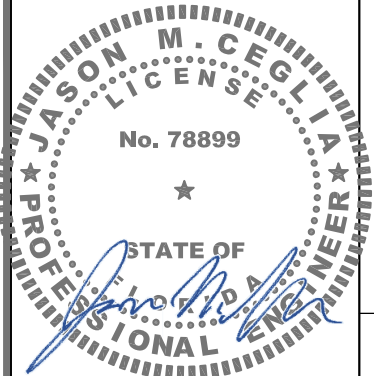


T Mobile™

HILDRETH
12343 SW US HWY 27
FORT WHITE, FL 32038
9JK0344B

GENERATOR ADDITION

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A	10/15/25	PRELIM CDs
No.	Date	Action

Client:

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SUITE 110 A-B
TAMPA, FL 33634

Site Acquisition:

TruNorthe
Solutions Made Simple

17875 VON KARMAN AVE, SUITE 150
IRVINE, CA 92614

Consultant:

Stantec

800 Fairway Drive, Suite 195
Deerfield Beach, FL 33441
TEL: 954.577.4655
www.stantec.com

Project:

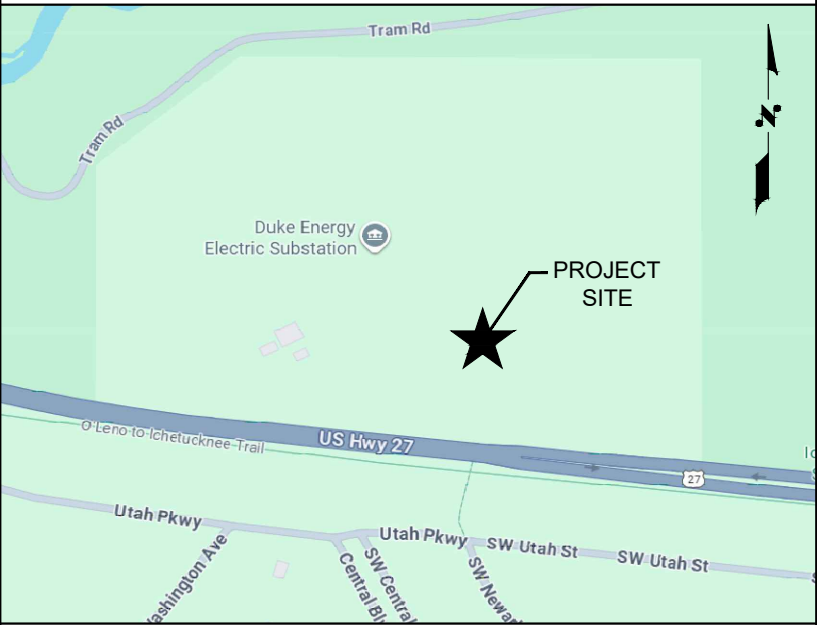
**HILDRETH
9JK0344B
12343 SW US HWY 27
FORT WHITE, FL 32038**

Drawing Title:

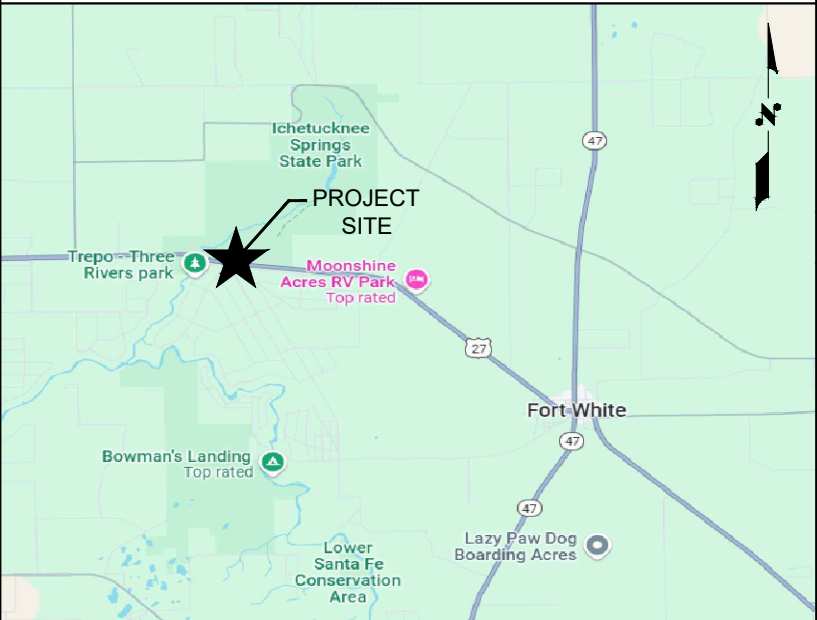
COVER SHEET

Project No.: 280570030	
Designer: XL	Date: 10/15/25
Drawn By: SE	Checked By: XL
PM Review: JG	Client Approval
Issue No.: 0	Drawing No.: T-1

LOCAL MAP



VICINITY MAP



SCOPE OF WORK

1. THE WIRELESS COMMUNICATIONS FACILITY IS NOT INTENDED FOR HUMAN OCCUPANCY.
2. THIS FACILITY DOES NOT REQUIRE POTABLE WATER AND WILL NOT PRODUCE ANY SEWAGE.
3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.
4. THE SCOPE OF WORK CONSISTS OF MODIFYING THE EXISTING WIRELESS INSTALLATION:

AT EQUIPMENT LEVEL:

- REMOVE (1) GENERATOR
- REMOVE (1) ATS
- REMOVE (1) PPC
- REMOVE (1) LP TANK W/ CONCRETE PAD
- INSTALLATION OF (1) 48KW GENERATOR
- INSTALLATION OF (1) 200A ATS
- INSTALLATION OF (1) 200A PPC
- INSTALLATION OF (1) EMERGENCY STOP BUTTON

CONTACTS

APPLICANT

T-MOBILE USA
5901 BENJAMIN CENTER DR.
SUITE 110 A-B
TAMPA, FL 33634

SITE ACQUISITION

GARRET ONUSKO
TRUNORTHE
17875 VON KARAMAN AVE, SUITE 150
IRVINE, CA 92614

PROPERTY OWNER CONTACT:

OWNER: FLORIDA POWER CORP

ADDRESS: PO BOX 37996
PROPERTY TAX DEPARTMENT
CITY, STATE, ZIP: CHARLOTTE, NC 28237

PROPERTY SUMMARY

FOLIO #: 23-6S-15-00507-003
LATITUDE: 29° 57' 08.60" N
LONGITUDE: 82° 46' 45.30" W
PROJECT JURISDICTION: COLUMBIA COUNTY
ZONING CLASSIFICATION: A-3
GROUND ELEVATION: 43' AMSL

APPLICABLE CODES

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT CONDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

1. FLORIDA BUILDING CODE 2023, 8TH EDITION
WIND DESIGN CRITERIA:
ASCE 7-22
BASIC WIND SPEED = 120 MPH ULTIMATE 3-SECOND GUST
RISK CATEGORY = II
EXPOSURE = C
2. ANSI/TIA-222-H
3. FLORIDA FIRE PREVENTION CODE- 2023, 8TH EDITION
4. NATIONAL ELECTRICAL CODE (2020)
5. CITY AND/OR COUNTY ORDINANCES

INDEX OF DRAWINGS

SHT. NO.	DESCRIPTION	REV. NO.
T-1	COVER SHEET	0
T-2	NOTES	0
A-1	COMPOUND PLAN	0
A-2	EXISTING & PROPOSED EQUIPMENT PLANS	0
A-3	DETAILS	0
A-4	GENERATOR DETAILS	0
A-5	GENERATOR TANK DETAILS	0
A-6	ATS DETAILS	0
S-1	STRUCTURAL DETAILS	0
E-1	ELECTRICAL COMPOUND PLAN AND NOTES	0
E-1.1	ELECTRICAL EQUIPMENT PLAN AND NOTES	0
E-2	GROUNDING PLAN	0
E-3	ELECTRICAL ONE-LINE DIAGRAM & PANEL SCHEDULE	0
E-4	GROUNDING DETAILS	0

APPROVALS

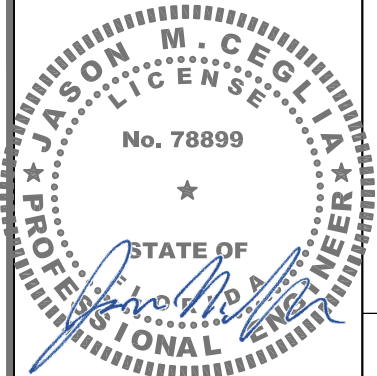
PROPERTY OWNER _____
RF ENGINEER _____
CONSTRUCTION _____
SITE ACQUISITION _____
ZONING _____
NETWORK _____
OPERATIONS _____
CONTRACTOR _____

NOTE:
PLAN INFORMATION CONTAINED HEREIN IS TAKEN FROM THE DOCUMENTS PROVIDED BY CLIENT. NEITHER WARRANTY NOR GUARANTEE IS GIVEN BY THE ARCHITECT NOR STANTEC TO THE ACCURACY NOR THE COMPLETENESS OF THE COPIED COMPOUND PLAN INFORMATION.

GENERATOR LOCKABLE EMERGENCY STOP BUTTON NOTE:
SUPPLY AND INSTALL PUSH-PULL MAINTAINED 22MM RED MUSHROOM KEY TO RELEASE (LOCKABLE) PUSH-BUTTON, EMERGENCY STOP ENGRAVED, BLACK BEZEL, WITH ONE N.C. CONTACT MODEL 32W276 BY DAYTON OR APPROVED EQUAL IN MINIMUM NEMA 3R HOUSING W/A600/Q600 CONTACT RATING DESIGNATION TO BREAK IGNITION POWER OF EMERGENCY GENERATOR (VERIFY CONTACT RATING AND EXACT WIRING W/ GEN. MANUF.)—SUPPLY AND INSTALL ENGRAVED PLAQUE STATING "T-MOBILE GENERATOR EMERGENCY STOP"

NOTE:
REFER TO ELECTRICAL SHEETS FOR POWER LAYOUT

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF STANTEC. NEITHER STANTEC NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.



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No.	Date	Action

Client:

T-Mobile

5901 BENJAMIN CENTER DR.
SUITE 110 A-B
TAMPA, FL 33634

Site Acquisition:

TruNorthe
Solutions Made Simple

17875 VON KARMAN AVE, SUITE 150
IRVINE, CA 92614

Consultant:

Stantec

800 Fairway Drive, Suite 195
Deerfield Beach, FL 33441
TEL: 954.577.4655
www.stantec.com

Project:

HILDRETH
9JK0344B
12343 SW US HWY 27
FORT WHITE, FL 32038

Drawing Title:

COMPOUND PLAN

Project No.:

280570030

Designer:

XL

Date:

10/15/25

Drawn By:

SE

Checked By:

XL

PM Review:

JG

Client Approval

Issue No.:

0

Drawing No.

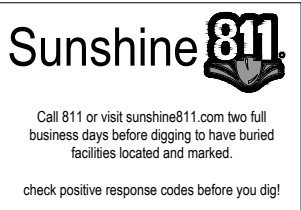
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NFPA 110 CHAPTER 4 NOTE:
CLASS: 48
TYPE: 60
LEVEL: 2

NOTE:
ALL ABOVE GROUND CONDUITS SHALL BE RIGID METALLIC CONDUIT

NFPA NOTE:
1. CONSTRUCTION, INSTALLATION, MAINTENANCE & OPERATION TEXTING OF EPSS SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF NFPA 110.
2. ALL ELECTRICAL SHALL COMPLY WITH LATEST ADOPTED EDITION OF NFPA 70 – NATIONAL ELECTRICAL CODE
3. FUEL SYSTEM AND STORAGE SHALL COMPLY WITH NFPA 30–2018 EDITION.



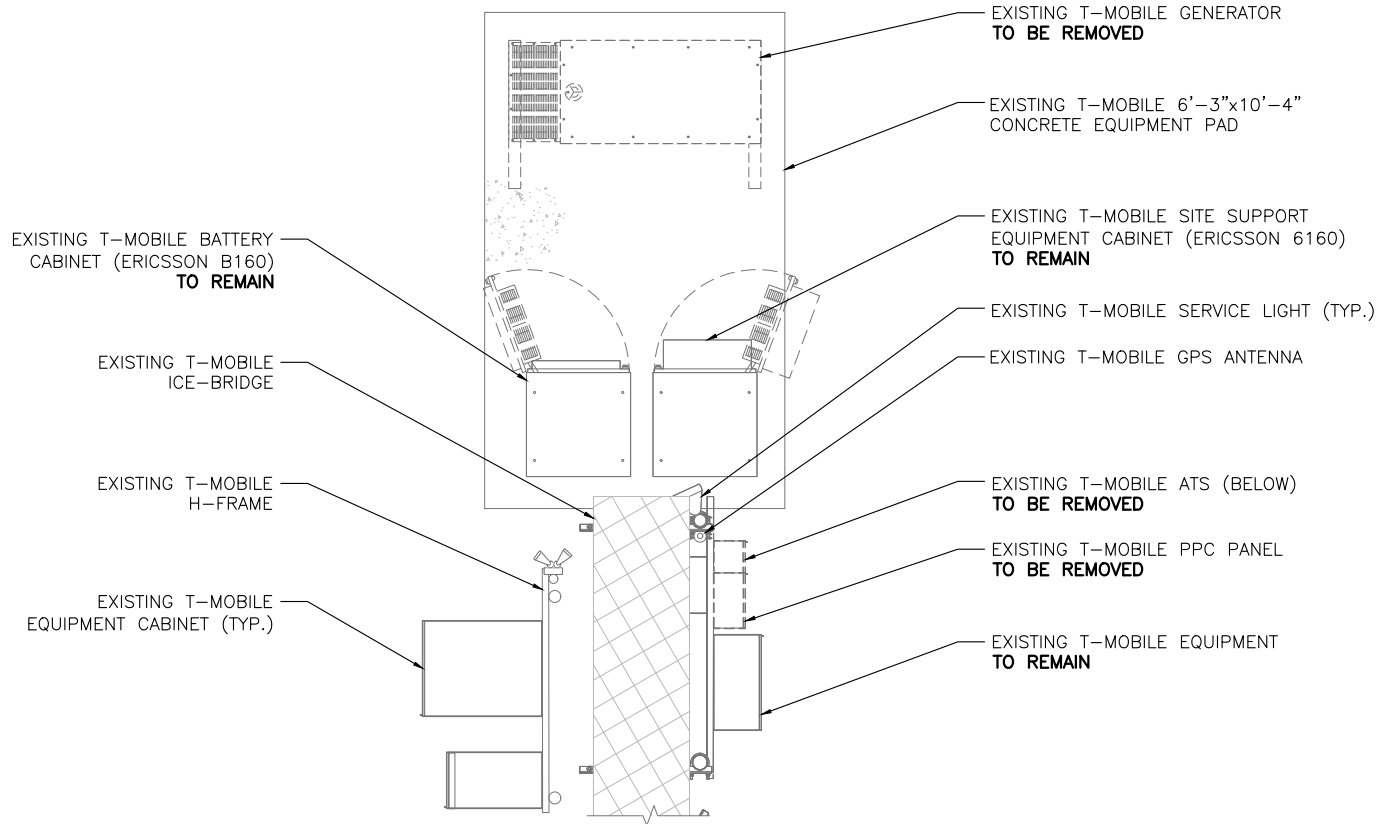
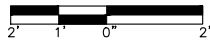
24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"
4' 2' 0' 4'

COMPOUND PLAN 1

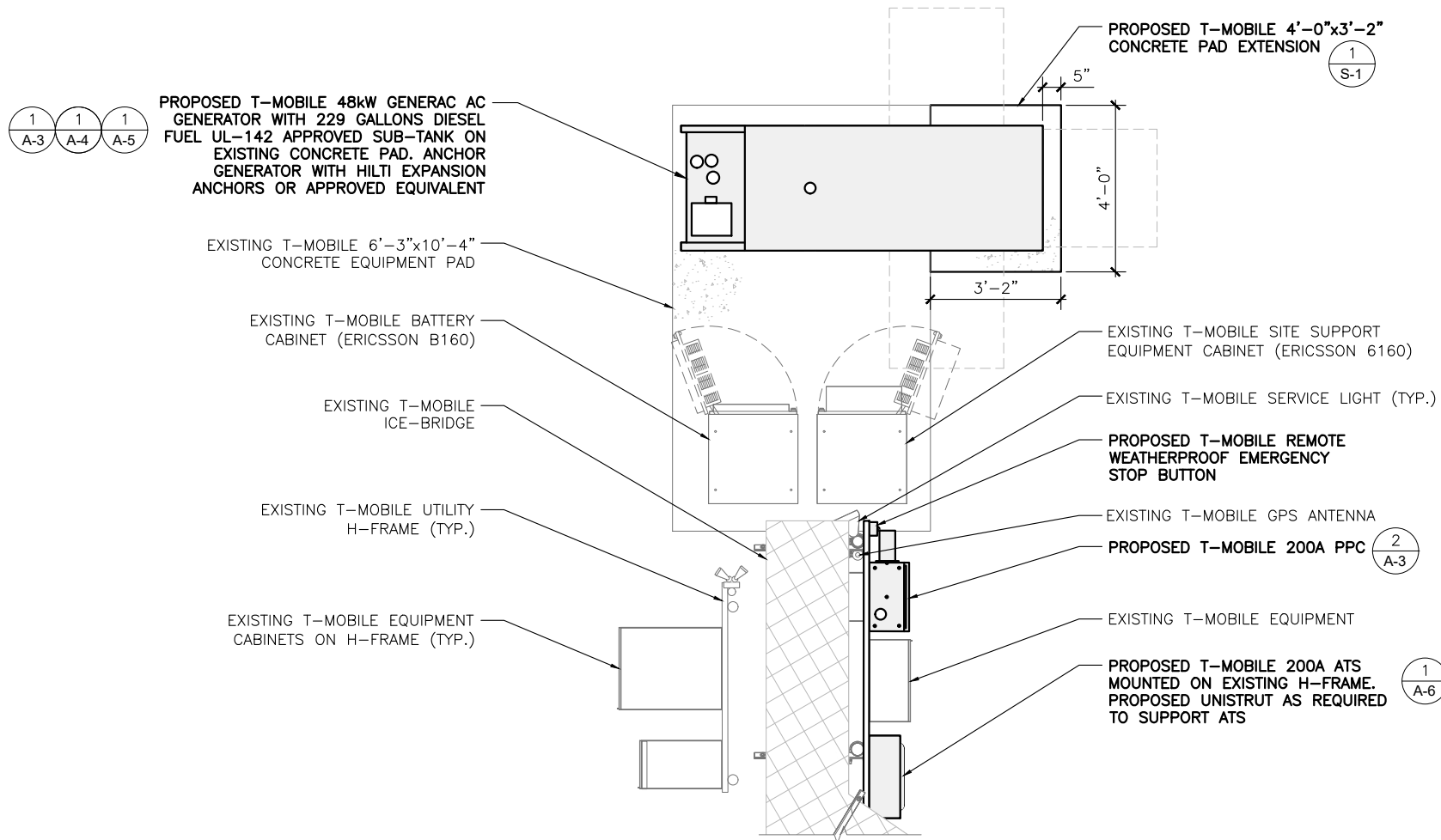
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24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"

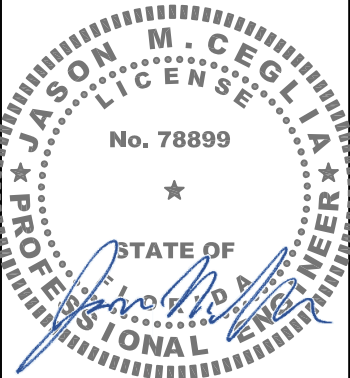


EXISTING EQUIPMENT PLAN 1



PROPOSED EQUIPMENT PLAN 2

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Consultant:

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FORT WHITE, FL 32038

Drawing Title:

**EXISTING & PROPOSED
EQUIPMENT PLANS**

Project No.:

280570030

Designer:

XL

Date:

10/15/25

Drawn By:

SE

Checked By:

XL

PM Review:

JG

Client Approval

Issue No.:

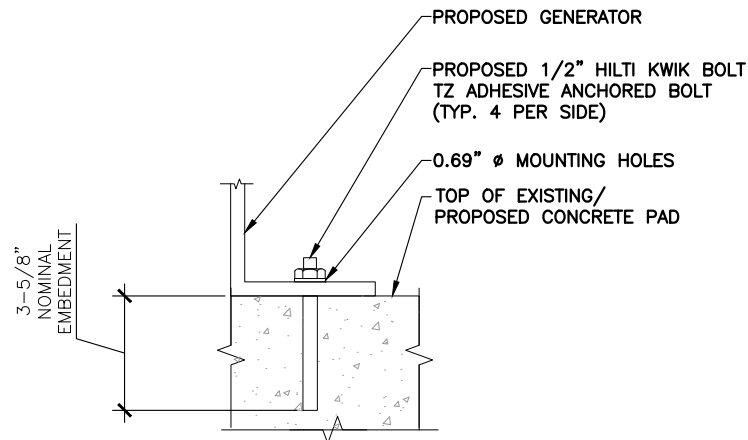
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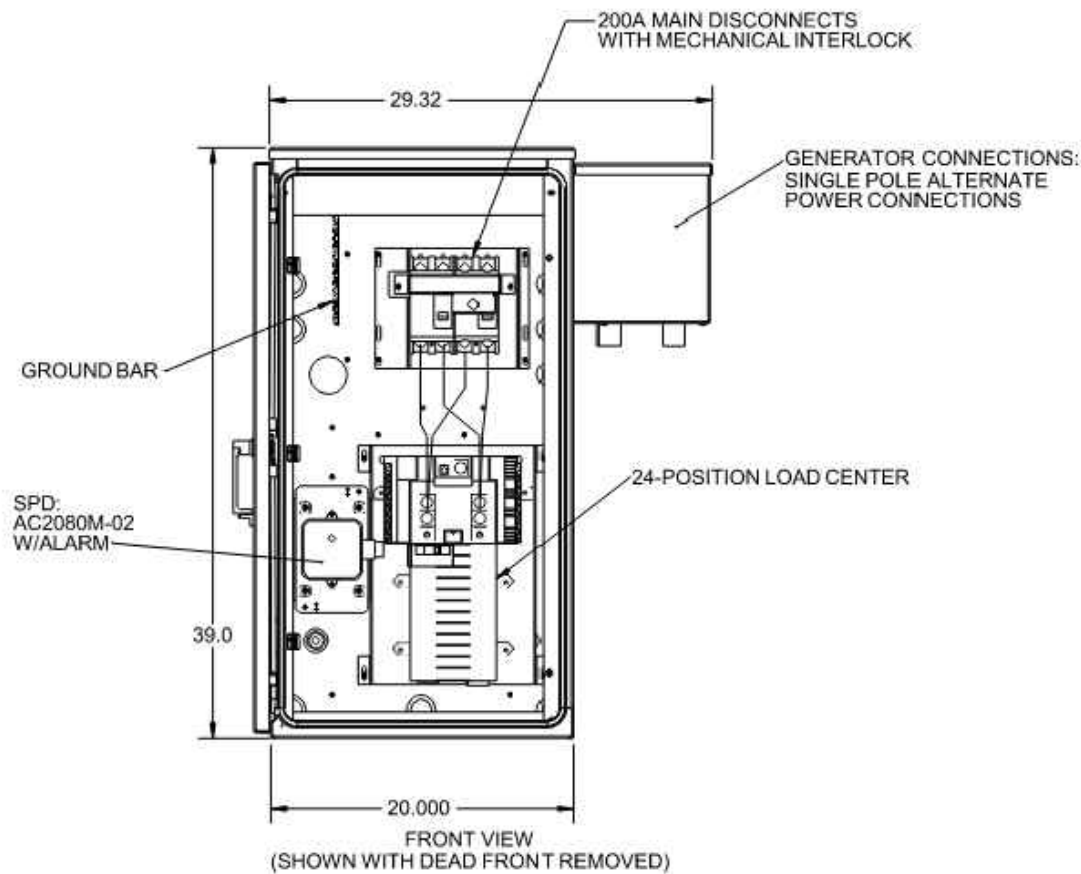
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SCALE IS BASE ON 22" X 34" D" SIZE

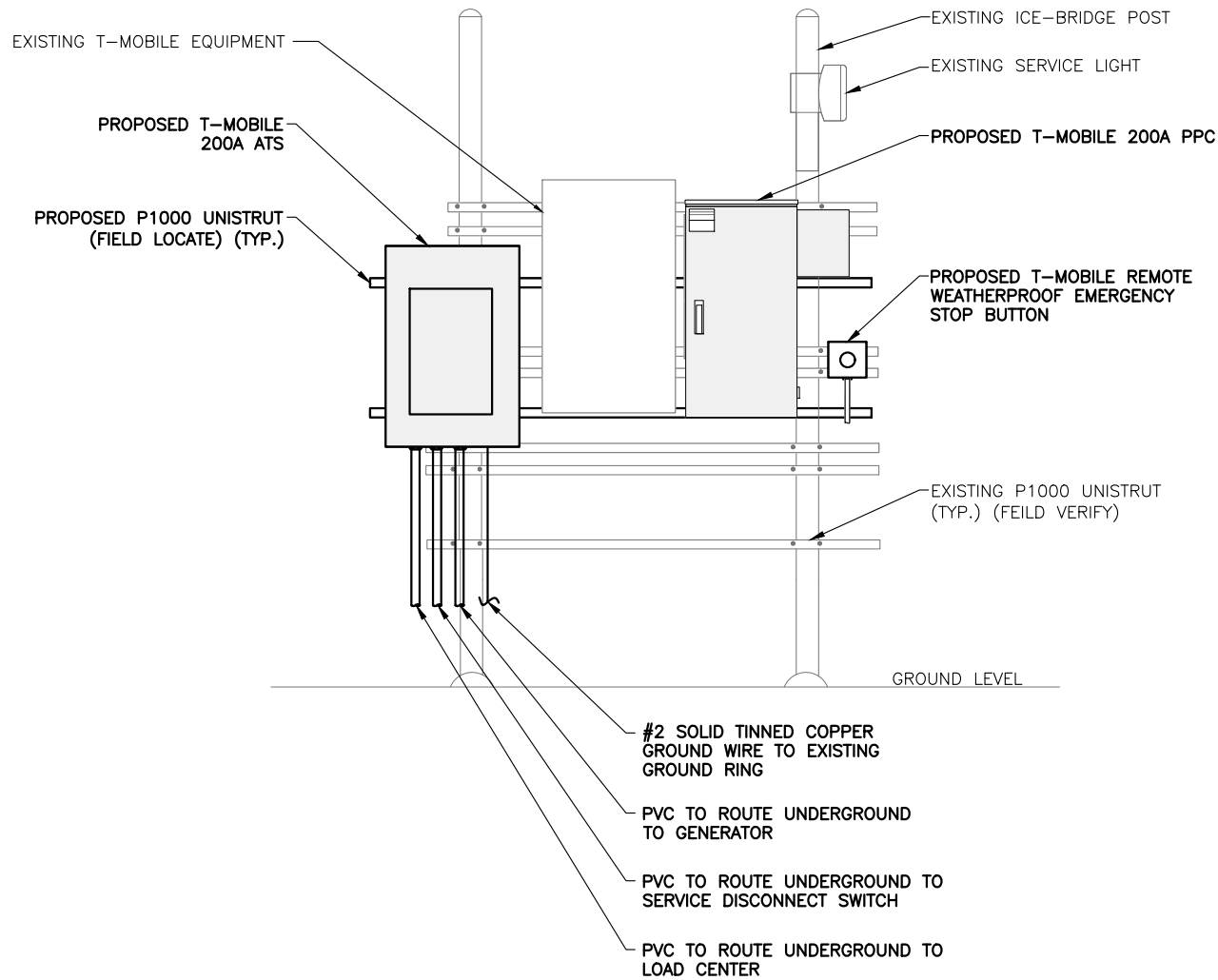
NOTE:
CONTRACTOR TO VERIFY 3" MIN. FROM EDGE
OF CONCRETE TO NEW MOUNTING BOLT.



NTS GENERATOR ANCHORING DETAIL 1

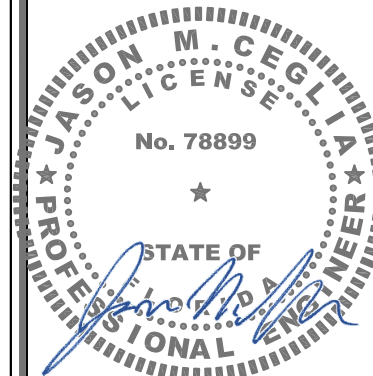


NTS PPC DETAIL 2



NTS ATS, PPC & REMOTE EMERGENCY SHUTOFF MOUNTING DETAIL 3

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SUITE 110 A-B
TAMPA, FL 33634

Site Acquisition:

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IRVINE, CA 92614

Consultant:

Stantec

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Deerfield Beach, FL 33441
TEL: 954.577.4655
www.stantec.com

Project:

HILDRETH
9JK0344B
12343 SW US HWY 27
FORT WHITE, FL 32038

Drawing Title:

DETAILS

Project No.:

280570030

Designer:

XL

Date:

10/15/25

Drawn By:

SE

Checked By:

XL

PM Review:

JG

Client Approval

Issue No.:

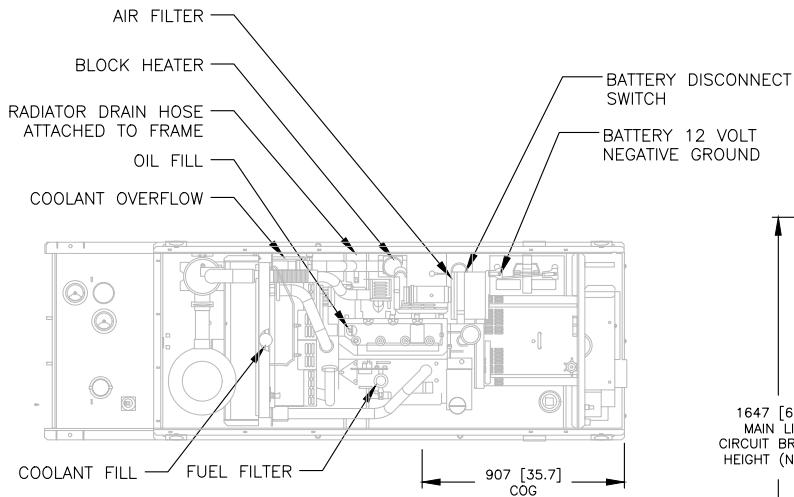
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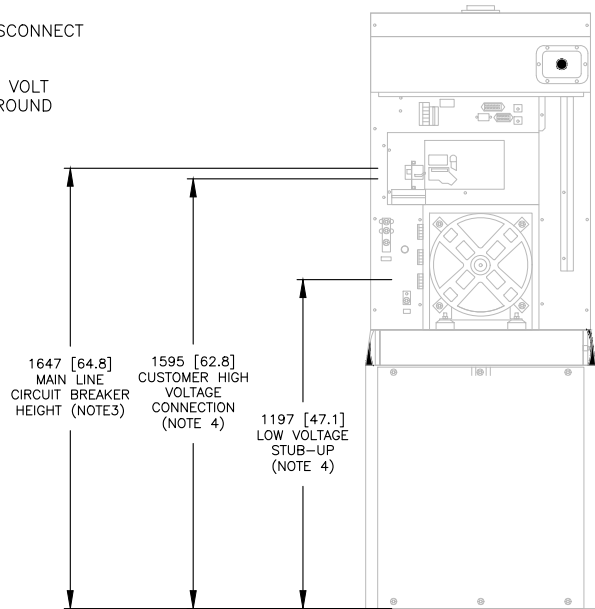
A-3

SCALE IS BASE ON 22" X 34" D" SIZE

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TOP VIEW
(SHOWN WITH ENCLOSURE REMOVED)



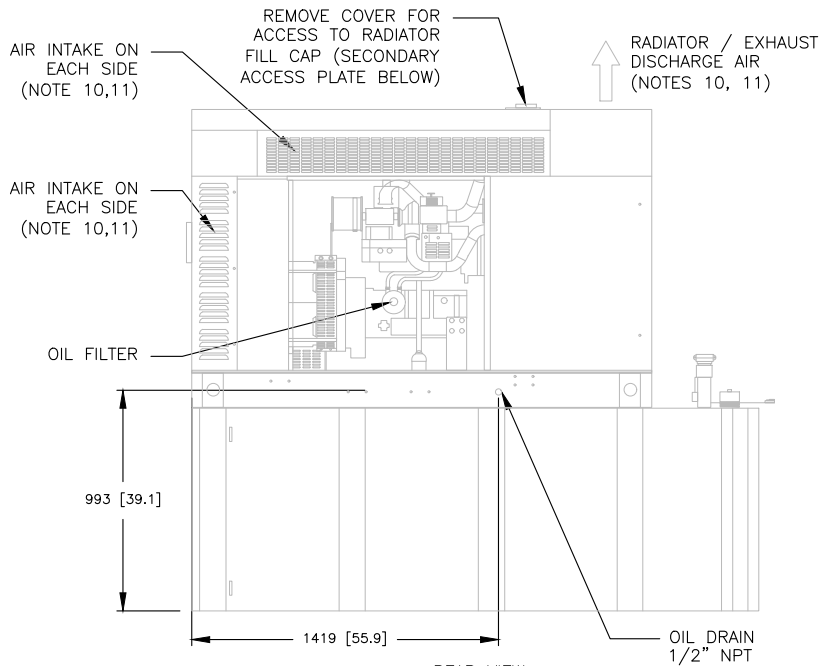
REAR VIEW
(SHOWN WITH REAR COVER PANEL REMOVED)

WEIGHT DATA WITH EMPTY BASETANK (SEE NOTE 6)	
GENERATOR AS SHOWN	1322 [2915]
WITH WOODEN SHIPPING SKID	1340 [2954]

WEIGHT: KG [LBS]
DIMENSIONS: MM [INCHES]

NOTES:

- THIS UNIT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT APPLICABLE NFPA 37 AND NFPA 70 STANDARDS AS WELL AS ANY OTHER FEDERAL, STATE, AND LOCAL CODES.
- BATTERY (12 VOLT NEGATIVE GROUND SYSTEM).
- CONTROL PANEL / CIRCUIT BREAKER INFORMATION:
 - MAIN LINE CIRCUIT BREAKER 200 AMPS.
 - SEE SPECIFICATION SHEET OR OWNERS MANUAL.
 - ACCESSIBLE THROUGH CUSTOMER ACCESS ASSEMBLY DOOR ON REAR OF GENERATOR.
 - CONTROL PANEL INCLUDES INTEGRATED BATTERY CHARGER.
- REMOVE THE REAR STUB-UP AND REAR ENCLOSURE COVER PANEL TO ACCESS THE STUB-UP AREAS AS FOLLOWS:
 - HIGH VOLTAGE CONNECTION INCLUDING AC LOAD LEAD CONDUIT CONNECTION, NEUTRAL CONNECTION, AND BATTERY CHARGER 120 VOLT AC (0.5 AMP MAX) CONNECTION.
 - LOW VOLTAGE CONNECTION INCLUDING TRANSFER SWITCH CONTROL WIRES.
- ENGINE SERVICE CONNECTIONS:
 - OIL DRAIN = 1/2" NPT
 - RADIATOR DRAIN = HOSE CLAMPED TO FRAME
- CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.
- BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
- REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
- MOUNTING BOLTS OR STUDS TO MOUNTING SURFACE SHALL BE 5/8-11 GRADE 5 (USE STANDARD SAE TORQUE SPECS)
- MUST ALLOW FREE FLOW OF INTAKE AIR, DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
- GENERATOR MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND THAT DISCHARGE AIR FROM RADIATOR IS NOT RECIRCULATED. RECOMMENDED MINIMUM PERIMETER (3FT) AND VERTICAL OVER EXHAUST (5FT) CLEARANCE FOR SITE LOCATION.
- GENERATOR MUST BE GROUNDED.



REAR VIEW
(SHOWN WITH DOOR REMOVED)

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

INSTALLATION DRAWING

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ELECTRONICALLY APPROVED
INSIDE WINDCHILL

GENERAC

TITLE

INSTALL D3.4L G16
48KW Y06 EXT

ISSUE DATE:

8/8/18

SIZE

CAGE NO

DWG NO

10000041950

REV

A

SCALE 0.035

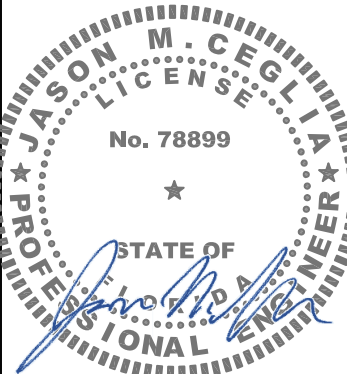
WT-KG

SEE ABOVE SHEET 1 of 2

GENERATOR DETAIL

1

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SUITE 110 A-B
TAMPA, FL 33634

Site Acquisition:

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Consultant:



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TEL: 954.577.4655
www.stantec.com

Project:

HILDRETH
9JK0344B
12343 SW US HWY 27
FORT WHITE, FL 32038

Drawing Title:

GENERATOR DETAILS

Project No.:

280570030

Designer:

XL

Date:

10/15/25

Drawn By:

SE

Checked By:

XL

PM Review:

JG

Client Approval

Issue No.:

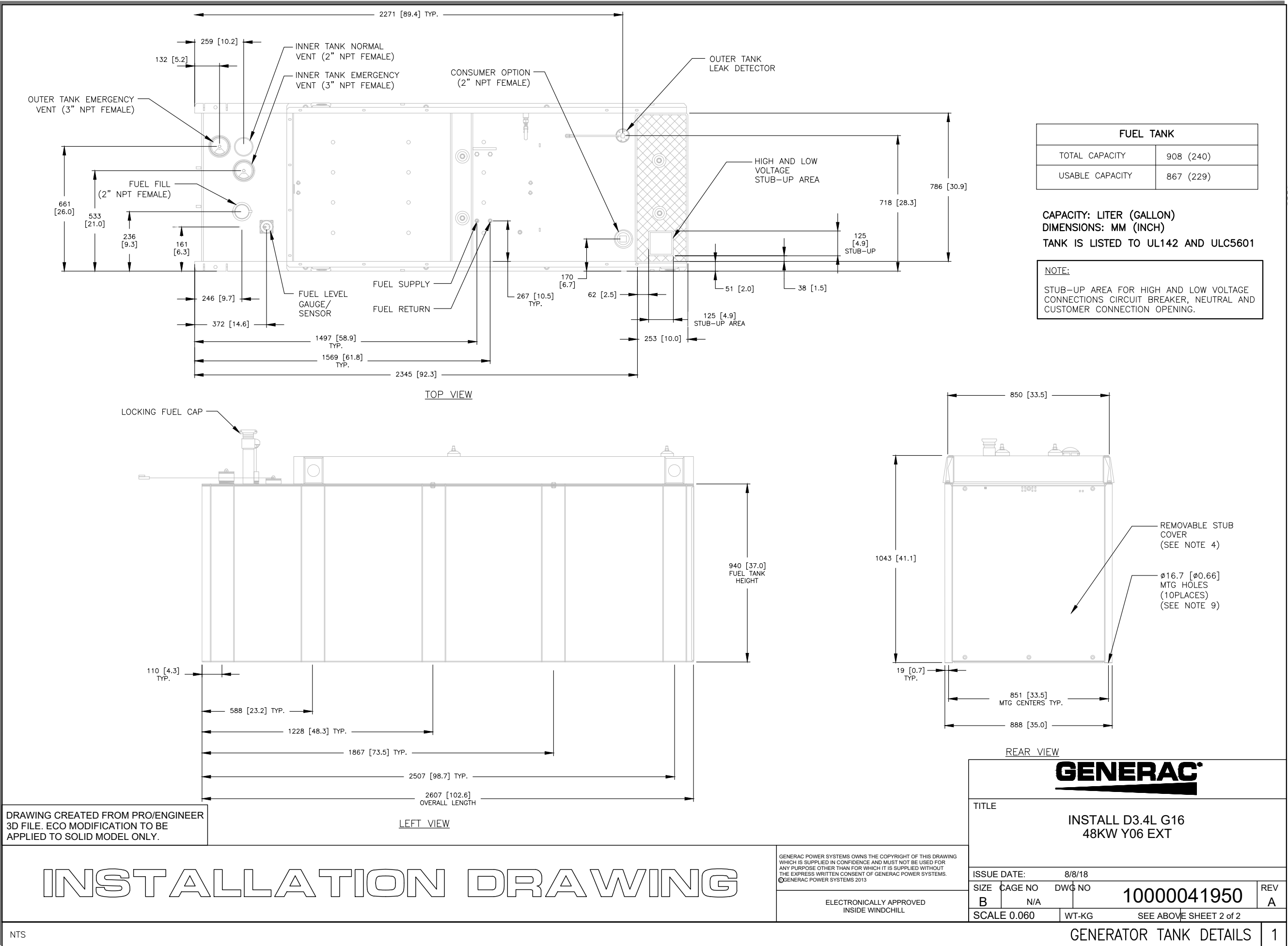
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Drawing No.

A-4

SCALE IS BASE ON 22" X 34" 7D" SIZE

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JASON M. CEGLIA
LICENSE
No. 78899
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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Date: 2026.07.08 13:31:32-04'00'

No.	Date	Action
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TEL: 954.577.4655
www.stantec.com

Project:

HILDRETH
9JK0344B
12343 SW US HWY 27
FORT WHITE, FL 32038

Drawing Title:

GENERATOR TANK DETAILS

Project No.: 280570030	
Designer: XL	Date: 10/15/25
Drawn By: SE	Checked By: XL
PM Review: JG	Client Approval
Issue No.: 0	Drawing No.: A-5

SCALE IS BASE ON 22" X 34" D" SIZE

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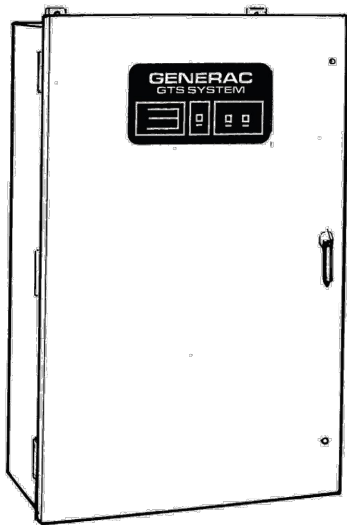
100 - 400 Amps,
600 VAC

GENERAC[®] INDUSTRIAL
POWER

Automatic Transfer Switches

100 - 400 Amps, 600 VAC

1 of 2



- Standard time delay neutral will reduce switchover problems.
- Logic control with inphase monitor regulates switch functions and allows adjustable switch settings with LED indicators.
- Control switches located on the front of the door for ease of operation.
- All switches are UL 1008 listed and CSA certified.
- Electrically-operated, mechanically-held and interlocked main contacts with break before make design for fast, positive connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive with no derations.
- 2, 3, and 4 Pole 600 VAC contactors.
- 160 millisecond transfer time.

Standard Features

- Single coil design, electrically operated and mechanically held
- Programmable exerciser
- SPDT auxiliary contacts
- Main contacts are silver alloy to resist welding and sticking
- Conformal coating protects all printed circuit boards
- Indicating LED's for switch position—Normal, Emergency, and Standby Operating
- NEMA 1 enclosure with hinged door and key-locking handle
- Three-position switch—Fast Test, Auto, Normal Test
- Arc chutes on main contacts

Optional Accessories

- NEMA 12 enclosure
- NEMA 3R enclosure
- NEMA 4 & 4X enclosure
- Exterior AC meter package
- Controls accessible through door in door design on NEMA type 3R and 4 enclosures – key lock provided on access door
- 4-pole design for neutral isolation
- Two (2) sets of auxiliary contacts
- Preferred source selector switch
- Manual 3 position selector switch
- Remote automatic control circuit
- Signal before transfer contacts
- Return to normal timer bypass

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100 - 400 Amps, 600 VAC

2 of 2

GTS Control Systems

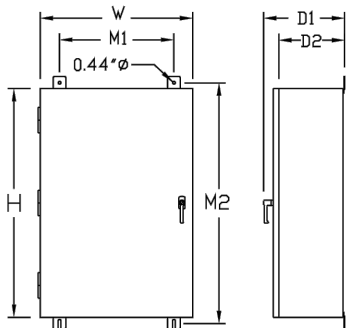
GENERAC[®] INDUSTRIAL
POWER

LOGIC CONTROL w / Inphase Monitor	
Utility Voltage	
Dropout	75-95% (Adj.)
Pickup	85-95% (Adj.)
Line Interrupt	0.1-10 Sec. (Adj.)
Engine Minimum Run	5-30 Min. (Adj.)
Engine Warmup	5 Sec.-3 Min. (Adj.)
Return to Utility	1-30 Min. (Adj.)
Engine Cooldown	1-30 Min. (Adj.)
Standby Voltage	85-95% (Adj.)
Standby Frequency	80-90% (Adj.)
Time Delay Neutral	0.1-10 Sec. (Adj.)
Transfer on Exercise	On/Off Switch
Warmup Timer Bypass	On/Off Switch
Time Delay Neutral Bypass	On/Off Switch
Inphase Monitor	On/Off Switch

Withstand Current - 600 Volt GTS Series

GTS Rated Amps	100	150	200	300	400
FUSE PROTECTED					
Maximum RMS Symmetrical Fault Current – Amps	200,000	200,000	200,000	200,000	200,000
Maximum Fuse Size – Amps	200	400	400	600	600
Fuse Class	J,T	J,T	J,T	J,T	J,T
CIRCUIT BREAKER PROTECTED (See separate sheet for specific circuit breakers)					
Maximum RMS Symmetrical Fault Current – Amps	14,000	25,000	25,000	35,000	35,000
Protective Device Continuous Rating (Max) – Amps	150	300	300	600	600

- Tested in accordance with the withstand and closing requirements of UL 1008 and CSA Standards
- Current ratings are listed @ 480 VAC



Unit Dimensions

GTS Rated Amps	Voltage	Enclosure Height	Enclosure Width	Wall Mount Bolt Pattern		Enclosure Depth		Weight (lbs.)
		H	W	M1	M2	D1	D2	
100	All	36	24	18	37.5	12.7	10	180
150-200	120/240	36	24	18	37.5	12.7	10	185
150-200	120/208	36	24	18	37.5	12.7	10	185
150-200	277/480	48*	30*	24	49.5	14.8	12	265
150-200	600	48*	30*	24	49.5	14.8	12	265
300-400	120/240	36	24	18	37.5	12.7	10	245
300-400	120/208	36	24	18	37.5	12.7	10	245
300-400	277/480	48*	30*	24	49.5	14.8	12	325
300-400	600	48*	30*	24	49.5	14.8	12	325

* Note: On NEMA 1 enclosures only, door overlaps enclosure – door dimensions are 48.8 H X 30.8 W. All dimensions in inches.

Terminal Lug Wire Ranges

GTS RATED AMPS	CONTACTOR TERMINALS (1 LUG PER POLE) LUG WIRE RANGE	NEUTRAL BAR*		GROUND LUG (1 PROVIDED) LUG WIRE RANGE
		# LUGS	LUG WIRE RANGE	
100	2/0 – 14 AWG	4	2/0 – 14 AWG	2/0 – 14 AWG
150	400MCM – 4 AWG	4	350MCM – 6 AWG	350MCM – 6 AWG
200	400MCM – 4 AWG	4	350MCM – 6 AWG	350MCM – 6 AWG
300	600MCM – 4 AWG	4	600MCM – 4 AWG	350MCM – 6 AWG
	or 2 – [250MCM – 1/0 AWG]		[250MCM – 1/0 AWG]**	350MCM – 6 AWG
400	600MCM – 4 AWG	4	600MCM – 4 AWG	350MCM – 6 AWG
	or 2 – [250MCM – 1/0 AWG]		[250MCM – 1/0 AWG]**	

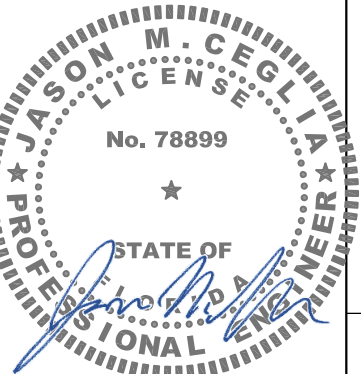
* Not included in GTS with switched neutral. ** Allowable wire range in brackets is for 2 wires per lug.

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5901 BENJAMIN CENTER DR.
SUITE 110 A-B
TAMPA, FL 33634

Site Acquisition:

TruNorthe
Solutions Made Simple

17875 VON KARMAN AVE, SUITE 150
IRVINE, CA 92614

Consultant:

Stantec

800 Fairway Drive, Suite 195
Deerfield Beach, FL 33441
TEL: 954.577.4655
www.stantec.com

Project:

HILDRETH
9JK0344B
12343 SW US HWY 27
FORT WHITE, FL 32038

Drawing Title:

ATS DETAILS

Project No.:

280570030

Designer:

XL

Date:

10/15/25

Drawn By:

SE

Checked By:

XL

PM Review:

JG

Client Approval

Issue No.:

0

Drawing No.

A-6

SCALE IS BASE ON 22" X 34" "D" SIZE

NTS

ATS DETAIL

1

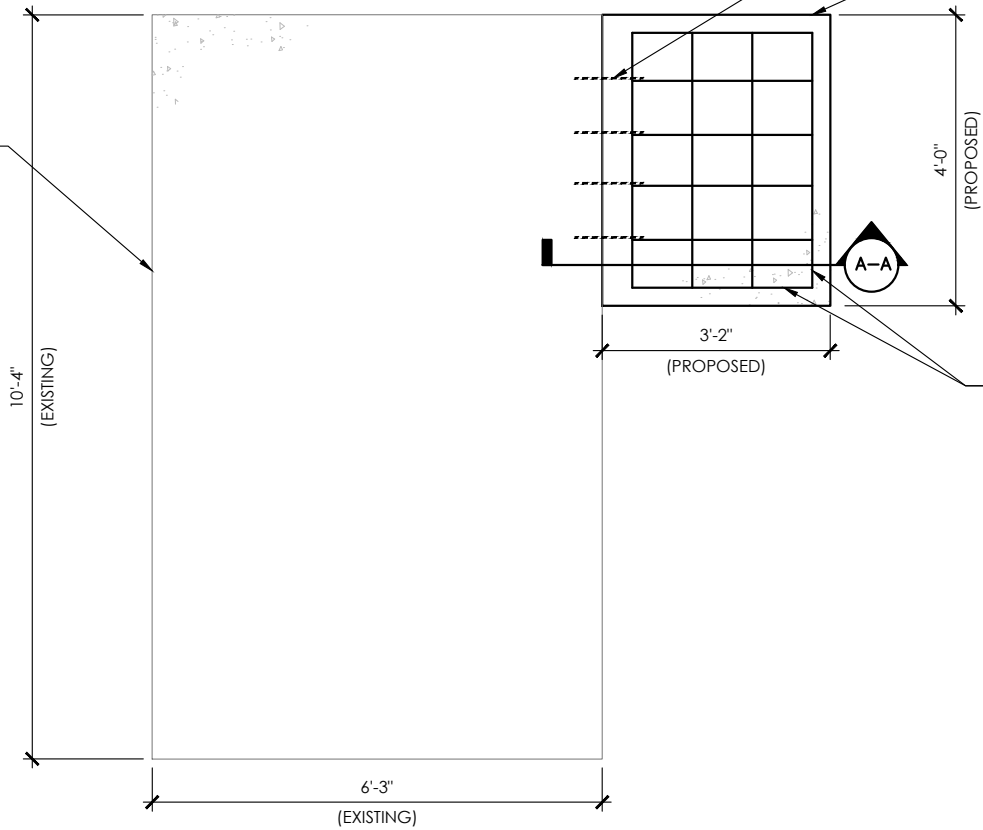
CONTRACTOR NOTES:

- ALL CONCRETE FOR SLAB FOUNDATION SHALL BE 3000 P.S.I. (MIN.)
- IF BUILDER SET DATE WILL BE WITHIN 24 HRS OF SLAB POUR THEN SITE CONTRACTOR SHALL USE 5000 P.S.I. CONCRETE (MIN.) TO OBTAIN MIN. 1800 P.S.I. CONCRETE WITHIN THE ALLOTTED 48 HOURS. (NO EXCEPTIONS)
- ELECTRICAL CONTRACTOR SHALL COORDINATE STUB-UP LOCATIONS WITH PROPOSED EQUIPMENT. (FIELD VERIFY AT STAGING YARD.)
- CONTRACTOR SHALL ANCHOR EQUIPMENT PER MANUFACTURES RECOMMENDATIONS.
- ALL FOUNDATIONS SHALL BE POURED WITHIN A 1/4" OF LEVEL IN ALL DIRECTIONS AND SMOOTH FINISHED.

FOUNDATION NOTES:

- CONCRETE SLUMP SHALL RANGE BETWEEN 4 INCHES TO 8 INCHES.
- ALL CONCRETE WORK SHALL CONFORM TO ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
- THE SURFACE. OVER WHICH THE CONCRETE WILL BE POURED, SHALL BE CLEAN OF LOOSE MATERIAL AND LEVELED PRIOR TO CONCRETE PLACEMENT.
- CONCRETE SHALL BE PLACED IN A MANNER THAT WILL PREVENT SEGREGATION OF CONCRETE MATERIALS AND OTHER OCCURRENCES THAT MAY DECREASE THE STRENGTH OR DURABILITY OF THE FOUNDATION.
- MECHANICALLY VIBRATE CONCRETE, PARTICULARLY WHEN POURED IN DIFFERENT LIFTS, TO ENSURE CONSOLIDATION AND TO AVOID JOINTS.
- ALL REINFORCING STEEL BARS SHALL BE DOMESTIC, NEW BILLET STEEL, ASTM A-615, GRADE 60. REINFORCING SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH ACI 315-LATEST EDITION-"MANUAL OF STANDARD FOR DETAILING REINFORCED CONCRETE".
- ALL LOAD BEARING FOOTING SHALL BEAR ON TOP OF COMPACTED SOIL.
- WELDING OF REINFORCING BARS AND DOWEL BARS IS PROHIBITED UNLESS OTHERWISE APPROVED BY ENGINEER.
- PRIOR TO THE EXCAVATION, CHECK AREA FOR LOCATION OF UNDERGROUND PIPES, CABLES, ETC.

EXISTING T-MOBILE
6'-3"x10'-4" CONCRETE
EQUIPMENT PAD

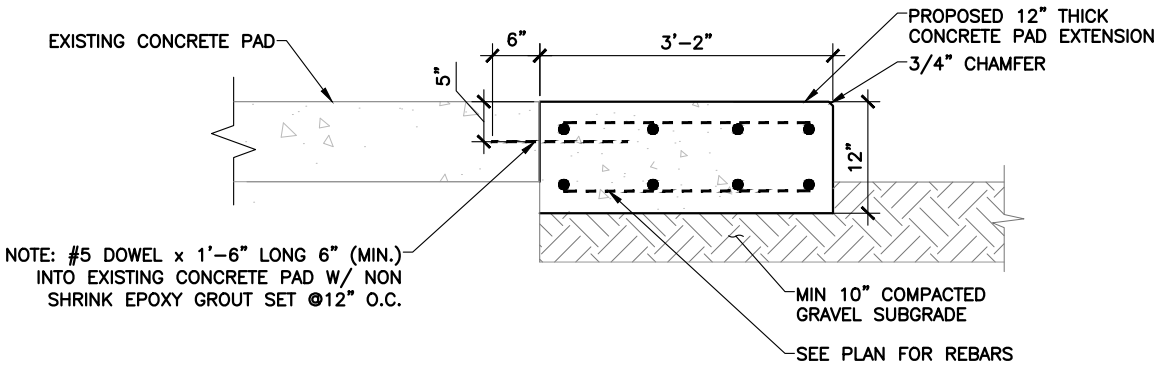


#5 DOWEL x 1'-6" LONG 6" (MIN.) INTO
EXISTING CONCRETE PAD W/ NON SHRINK
EPOXY GROUT SET @12" O.C.

PROPOSED T-MOBILE 4'-0"x3'-2"
CONCRETE PAD EXTENSION

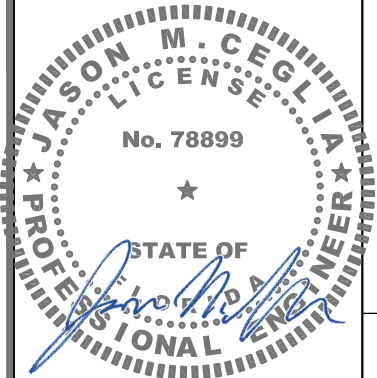
#4 REBAR AT @11" O.C.
TOP & BOTTOM

CONCRETE PAD LAYOUT



CONCRETE PAD SECTION A-A

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12343 SW US HWY 27
FORT WHITE, FL 32038

Drawing Title:

STRUCTURAL DETAILS

Project No.:

280570030

Designer: XL	Date: 10/15/25
Drawn By: SE	Checked By: XL
PM Review: JG	Client Approval

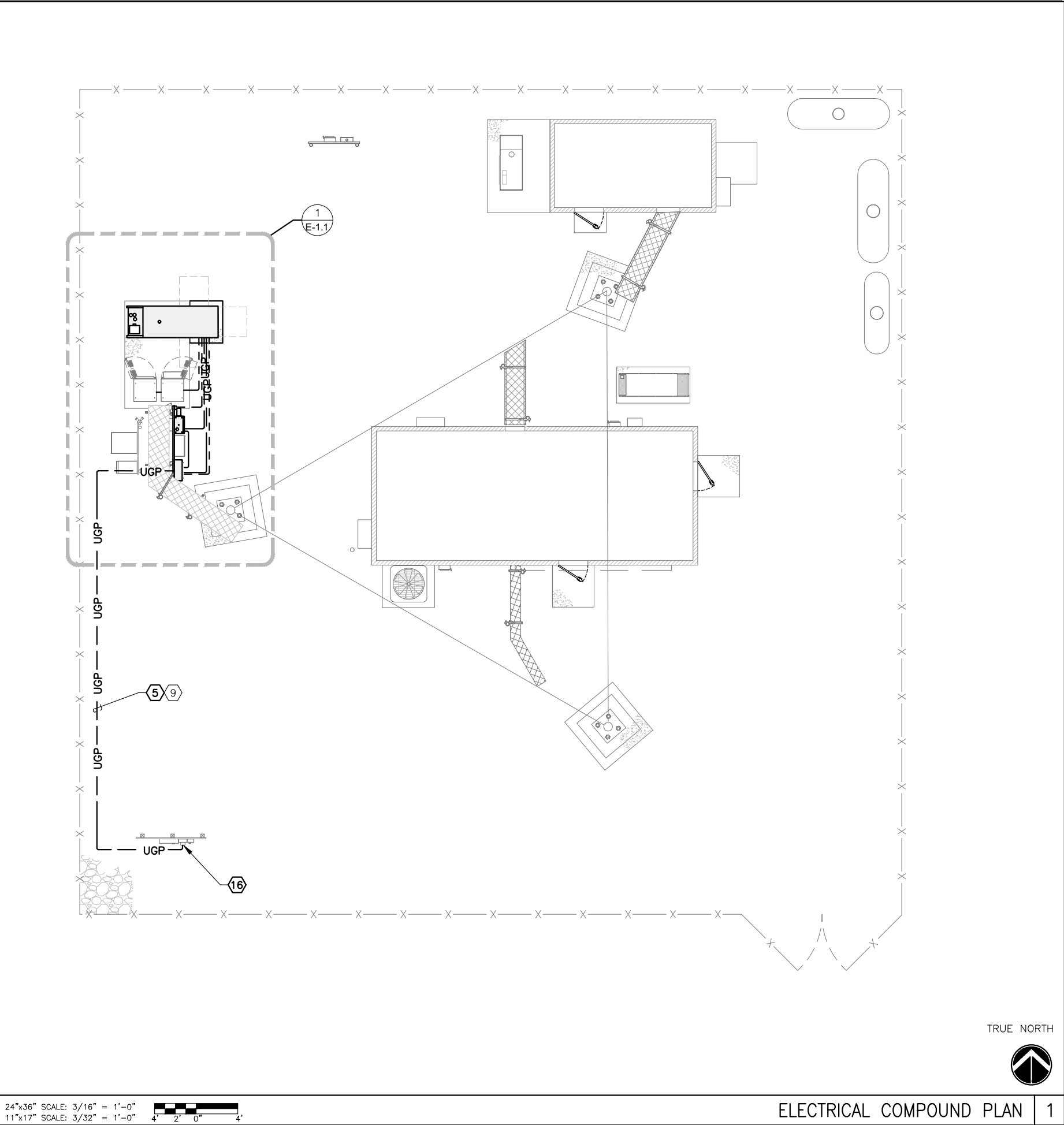
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0	S-1

SCALE IS BASE ON 22" X 34" "D" SIZE

ELECTRICAL NOTES

- 1
- REPLACE EXISTING T-MOBILE SURGE SUPPRESSOR AND 100A AC PANEL WITH A NEW 200A, 120/240V-1PH-3W, POWER PROTECTION CABINET WITH (2) 200A-2P MAIN CIRCUIT BREAKERS MECH. INTERLOCKED AND AN INTEGRATED SURGE SUPPRESSOR (TVSS).
- 2
- EXISTING T-MOBILE SITE SUPPORT 6160 CABINET.
- 3
- EXISTING T-MOBILE BATTERY B160 CABINET.
- 4
- EXISTING T-MOBILE CIENA BOX.
- 5
- REPLACE EXISTING 100A FEEDERS WITH NEW (3) #3/0 AWG CU + #6G IN 2" PVC SCH. 40 B.F.G. AND RMC A.F.G.
- 6
- NEW 3/4" CONDUIT WITH LOW VOLTAGE CONDUCTORS.
- 7
- NEW (2) 20A-1P BRANCH CIR. BREAKERS FOR NEW GENERATOR BLOCK HEATER AND BATTERY CHARGER.
- 8
- EXISTING ICE BRIDGE
- 9
- CONTRACTOR TO ARRANGE AND PAY FOR UNDERGROUND UTILITY SURVEYS FOR ALL TRENCHING. REUSE NATIVE BACKFILL AND REINSTATE TO ORIGINAL CONDITION. INSTALL 6" WIDE METALLIC LINED RED PLASTIC MARKER TAPE 12" ABOVE ALL BURIED CONDUIT.
- 10
- NEW (3) #3/0 AWG CU AND (1) #6 GROUND IN 2" PVC SCH. 40 B.F.G. AND RMC A.F.G.
- 11
- NEW (4) #12 AWG CU. AND (1) #12 GROUND IN 3/4" RNC B.F.G. AND RMC A.F.G. FOR GENERATOR BATTERY CHARGER AND BLOCK HEATER.
- 12
- NEW 1" CONDUIT WITH CONTROL WIRES FROM ATS.
- 13
- NEW 1" CONDUIT FOR ALARM FROM GENERATOR TO 6160 CABIENT (SSC).
- 14
- NEW T-MOBILE GENERAC 48KW (48KVA), 120/240V-1PH-3W, OPTIONAL STAND-BY DIESEL GENERATOR W/ 229 GALLONS DIESEL TANK
- 15
- NEW T-MOBILE REMOTE WEATHERPROOF EMERGENCY STOP BUTTON.
- 16
- EXISTING 600A, 120/240V-1PH-3W MULTI-METER CENTER WITH EXISTING T-MOBILE CL320A METER, REPLACE EXISTING 100A-2P MAIN CIR. BREAKER WITH A NEW 200A-2P MAIN CIRCUIT BREAKER.
- 17
- NEW T-MOBILE APPROVED, 200A, 120/240V-1Ø-3W, 2-POLE, NEMA-3R ATS.

- NOTES:
1.
- PROPOSED CONDUIT ROUTING IS SCHEMATIC ONLY. T-MOBILE CONTRACTOR SHALL DETERMINE SUITABLE ROUTING IN THE FIELD.
2.
- RE-USE EXISTING CONDUIT WHERE POSSIBLE AND ONLY UPGRADE AS NECESSARY.



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JASON M. CEGLIA
LICENSE
No. 78899
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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Drawing Title:

ELECTRICAL
COMPOUND PLAN
AND NOTES

Project No.: 280570030	
Designer: XL	Date: 10/15/25
Drawn By: SE	Checked By: XL
PM Review: JG	Client Approval
Issue No.: 0	Drawing No.: E-1

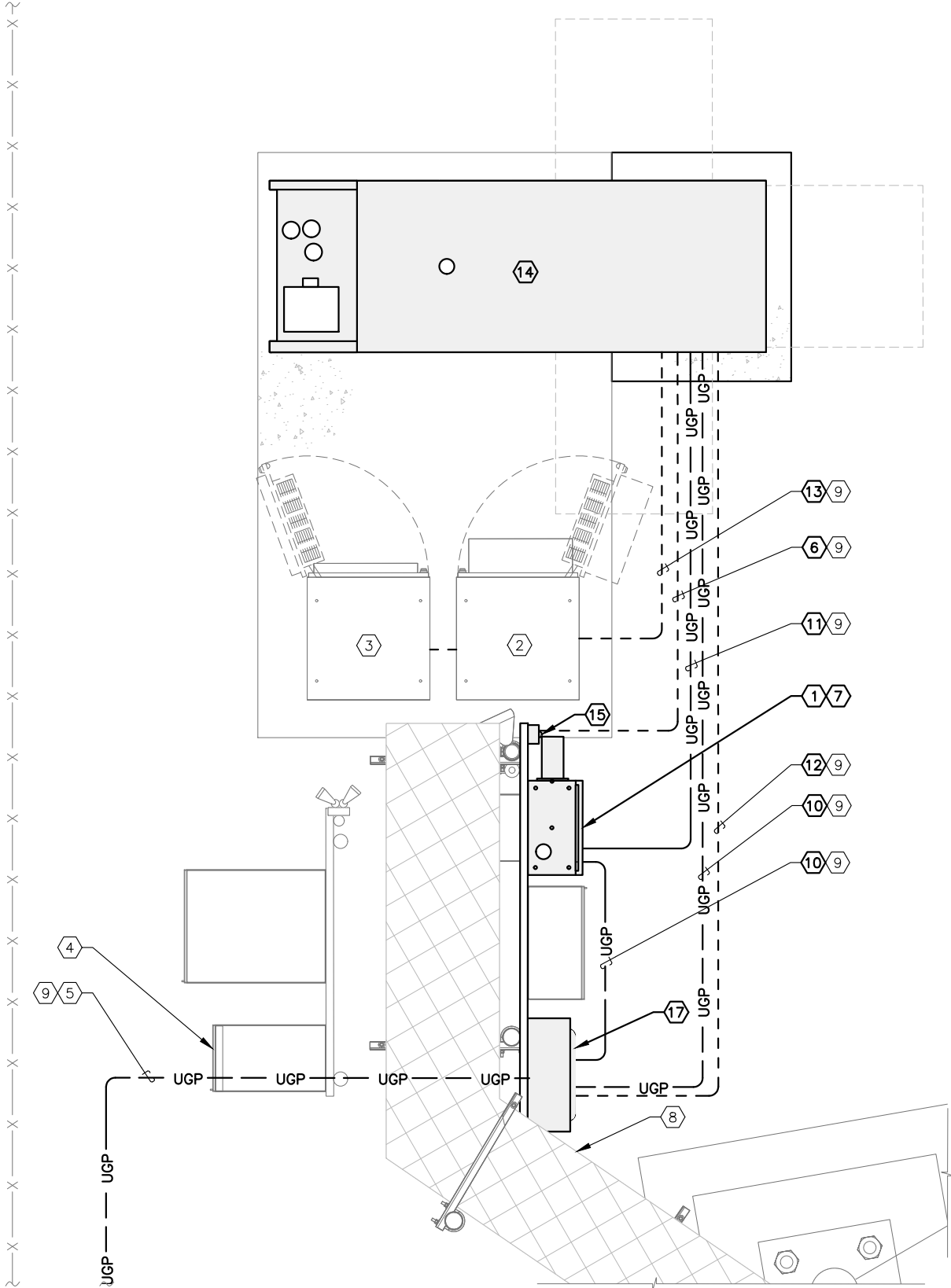
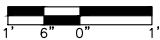
SCALE IS BASE ON 22" X 34" "D" SIZE

ELECTRICAL NOTES

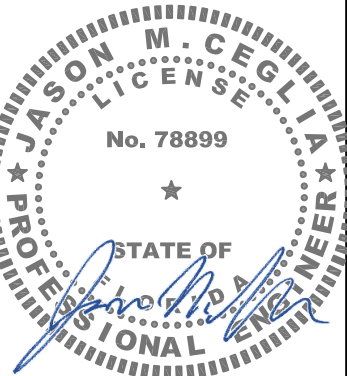
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- 7
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- 17
- NEW T-MOBILE APPROVED, 200A, 120/240V-1Ø-3W, 2-POLE, NEMA-3R ATS.

- NOTES:
1.
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2.
- RE-USE EXISTING CONDUIT WHERE POSSIBLE AND ONLY UPGRADE AS NECESSARY.

24"x36" SCALE: 3/4" = 1'-0"
11"x17" SCALE: 3/8" = 1'-0"



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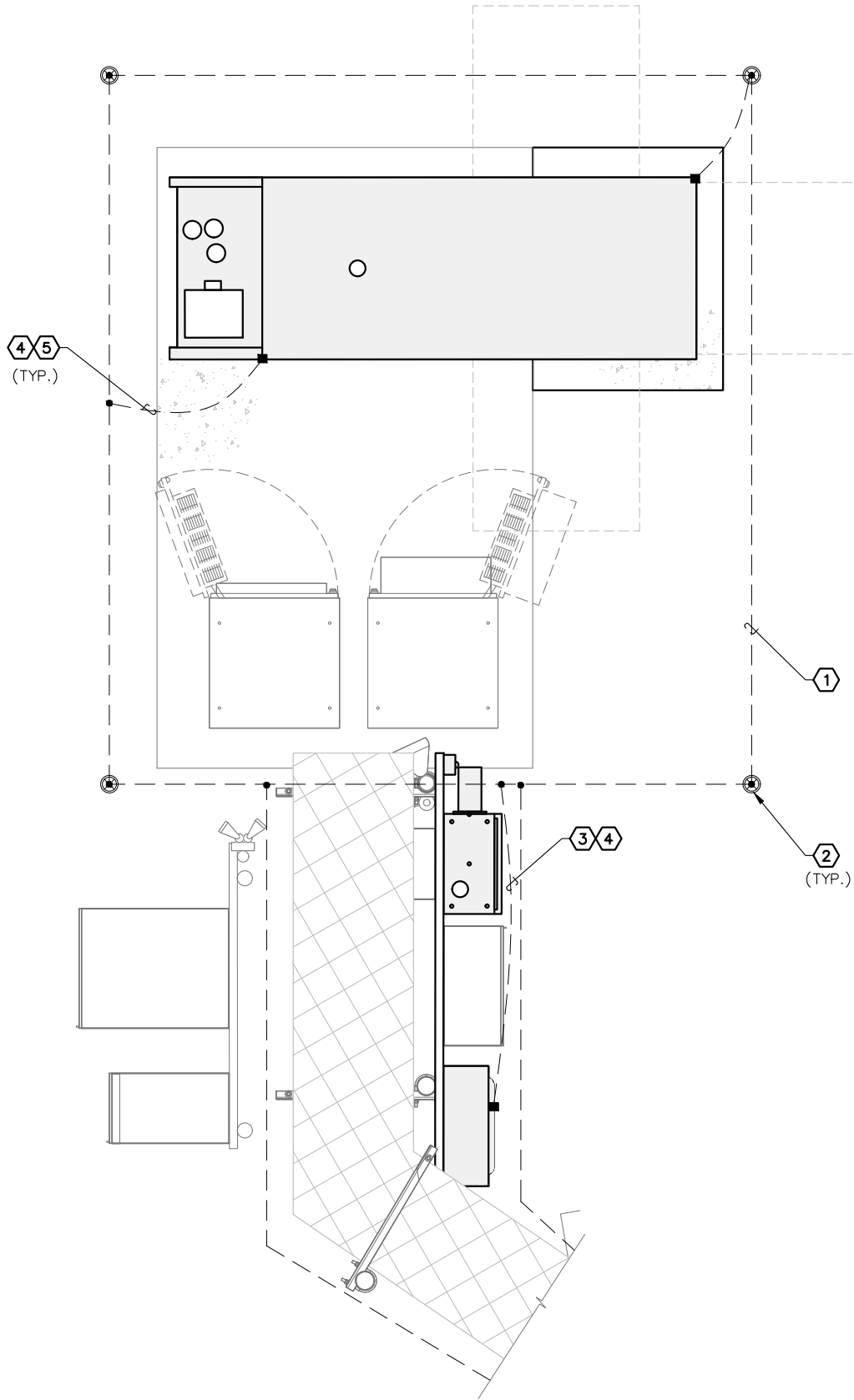
Drawing Title:
**ELECTRICAL
EQUIPMENT PLAN
AND NOTES**

Project No.: 280570030	
Designer: XL	Date: 10/15/25
Drawn By: SE	Checked By: XL
PM Review: JG	Client Approval
Issue No.: 0	Drawing No.: E-1.1

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GROUNDING NOTES

- 1 THE GROUND RING SHALL CONSIST OF EXISTING #2 AWG BARE SOLID TINNED COPPER (STC) GROUND RING. VERIFY IN FIELD.
- 2 EXISTING GROUND ROD. VERIFY EXACT LOCATION IN FIELD.
- 3 GROUND ALL EXTERIOR EXPOSED METAL OBJECTS TO BURIED GROUND SYSTEM WITH #2 STC MECHANICALLY ATTACHED OR EXOTHERMICALLY WELDED TO OBJECTS AND EXOTHERMICALLY WELDED TO GROUND RING. USE TWO HOLE LUGS FOR CONNECTION TO FLAT METAL SURFACES (AND STRIP PAINTED SURFACES) TO BARE BRIGHT METAL PRIOR TO MAKING GROUND CONNECTIONS. APPLY ANTI-OXIDE COMPOUND TO ALL MECHANICAL CONNECTIONS. APPLY ZINC RICH PAINT (COLD GALV.) TO ALL EXOTHERMIC WELDS, AND TO ANY METAL EXPOSED BY CLEANING, STRIPPING, GRINDING, CUTTING OR DRILLING.
- 4 ALL GROUNDING CONDUCTORS ABOVE GRADE SHALL BE RUN IN 3/4" FLEXIBLE PVC CONDUIT. CONDUIT SHALL BEGIN WITHIN 3/4" OF ABOVE GROUND CONNECTION POINT, SHALL EXTEND 24" BELOW GRADE MINIMUM, AND SHALL BE FILLED WITH SEALANT AT ABOVE GROUND CONNECTION POINT. SECURE CONDUIT EVERY 24" ON VERTICAL RUNS AND EVERY 36" ELSEWHERE WITH NON-METALLIC TIES.
- 5 BOND GENERATOR TO GROUND RING WITH #2 STC MECHANICALLY FASTENED TO GENERATOR AND EXOTHERMICALLY WELDED TO GROUND RING. LOCATE GROUND LEADS AT TWO DIAGONALLY OPPOSITE CORNERS OF GENERATOR BY DRILLING AND BOLTING TWO HOLE LUG TO FINS ON GENERATOR BASE STRUCTURE. GROUND LEADS SHOULD RUN ALONG BASE OF GENERATOR AND TAKE SHORTEST PATH ACROSS CONCRETE PAD TO GRAVEL AREA, THEN CONTINUE TO GROUND RING.



KEY	
MECHANICAL CONNECTION	= ■
EXOTHERMIC CONNECTIN	= ●

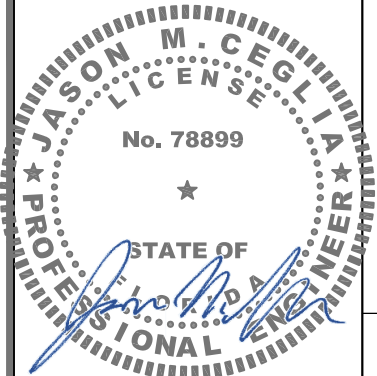
24"x36" SCALE: 3/4" = 1'-0"
11"x17" SCALE: 3/8" = 1'-0"
1' 6" 0" 1'

TRUE NORTH



GROUNDING PLAN 1

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Drawing Title:

GROUNDING
PLAN

Project No.:

280570030

Designer:

XL

Drawn By:

SE

PM Review:

JG

Date:

10/15/25

Checked By:

XL

Client Approval

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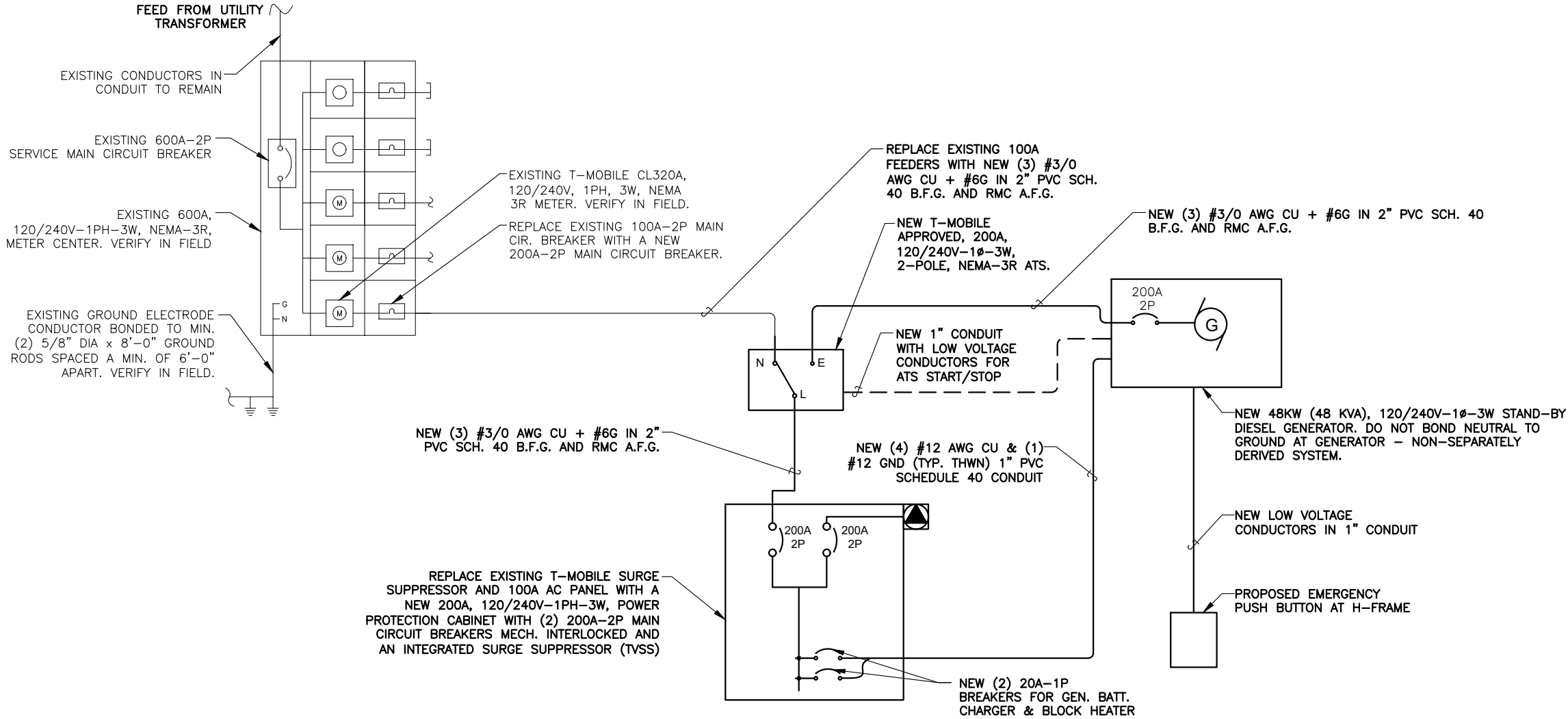
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Drawing No.

E-2

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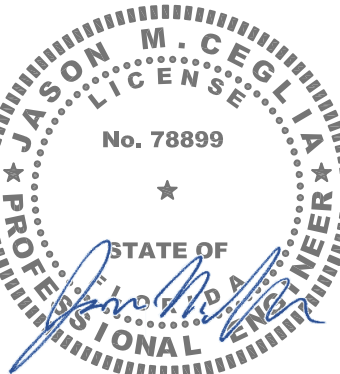
AC ONE-LINE DIAGRAM 1

NEW PANEL "PP1"										200A, 120/240V-1Ø-3W, 200A 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				
-	-	SPACE	-	-	-	-	1	2	20	E	E	E	EXISTING SERVICE LIGHT**	150	-				
-	-	SPACE	-	-	-	-	3	4	20	E	E	E	EXISTING GFI RECEPTACLE**	-	180				
-	-	SPACE	-	-	-	-	5	6	20	3/4"	#12	#12	NEW GENERATOR BLOCK HEATER	1200	-				
-	-	SPACE	-	-	-	-	7	8	20	3/4"	#12	#12	NEW GENERATOR BATT. CHARGER	-	1000				
180	-	EXISTING FAN**	E	E	E	20	9	10	-	-	-	-	SPACE	-	-				
-	-	SPACE	-	-	-	-	11	12	-	-	-	-	SPACE	-	-				
-	-	SPACE	-	-	-	-	13	14	100	E	E	E	EXISTING ERICSSON 6160 SSC**	8640	-				
-	-	SPACE	-	-	-	-	15	16	-	-	-	-	SPACE	-	8640				
-	-	SPACE	-	-	-	-	17	18	-	-	-	-	SPACE	-	-				
-	-	SPACE	-	-	-	-	19	20	-	-	-	-	SPACE	-	-				
-	-	SPACE	-	-	-	-	21	22	-	-	-	-	SPACE	-	-				
-	-	SPACE	-	-	-	-	23	24	-	-	-	-	SPACE	-	-				
TOTAL VA: BUS A 10170 BUS B 9820 CONNECTED VA: 19990 AMPERES: BUS A 85 BUS B 82 TOTAL 83																			
RATED VOLTAGE: ☐ 120/208 ☒ 120/240 ☐ 277/480 1 PHASE, 3 WIRE BRANCH POLES ☐ 12 ☐ 18 ☐ 20 ☒ 24 ☐ 30 ☐ 36 ☐ 42																			
RATED AMPS: ☐ 100 ☒ 200 ☐ 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 200A ☒ BREAKER ☐ FUSED SWITCH																			
ALL NEW BREAKERS MUST MATCH EXISTING AIC RATING OF PANEL																			
** = EXISTING CIR. BREAKER AND WIRE RE-LOCATED FROM EXISTING DECOMMISSIONED 100A T-MOBILE PANEL.																			

NTS

PANEL SCHEDULE 2

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF STANTEC. NEITHER STANTEC NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.



Digitally signed by Jason Ceglia
Date: 2026.07.08 13:32:02-04'00'

O	07/08/26	FCDs
C	07/01/26	PRELIM CDs
B	02/18/26	PRELIM CDs
A	10/15/25	PRELIM CDs
No.	Date	Action

Client:
T-Mobile
5901 BENJAMIN CENTER DR.
SUITE 110 A-B
TAMPA, FL 33634

Site Acquisition:
TruNorthe
Solutions Made Simple
17875 VON KARMAN AVE, SUITE 150
IRVINE, CA 92614

Consultant:
Stantec
800 Fairway Drive, Suite 195
Deerfield Beach, FL 33441
TEL: 954.577.4655
www.stantec.com

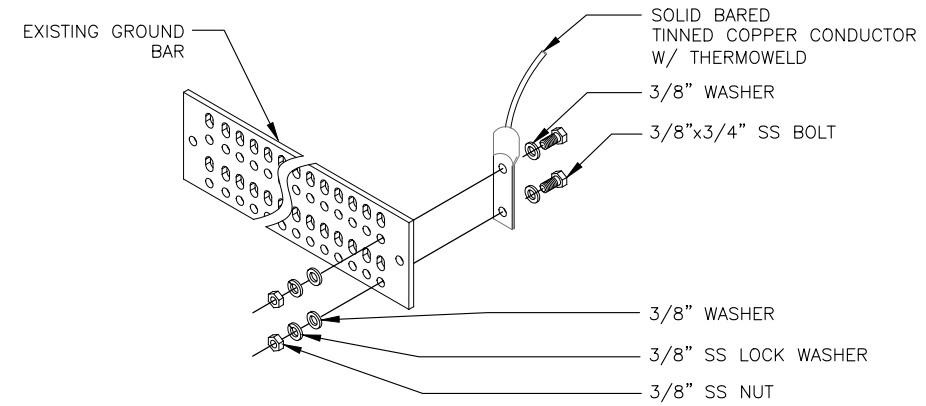
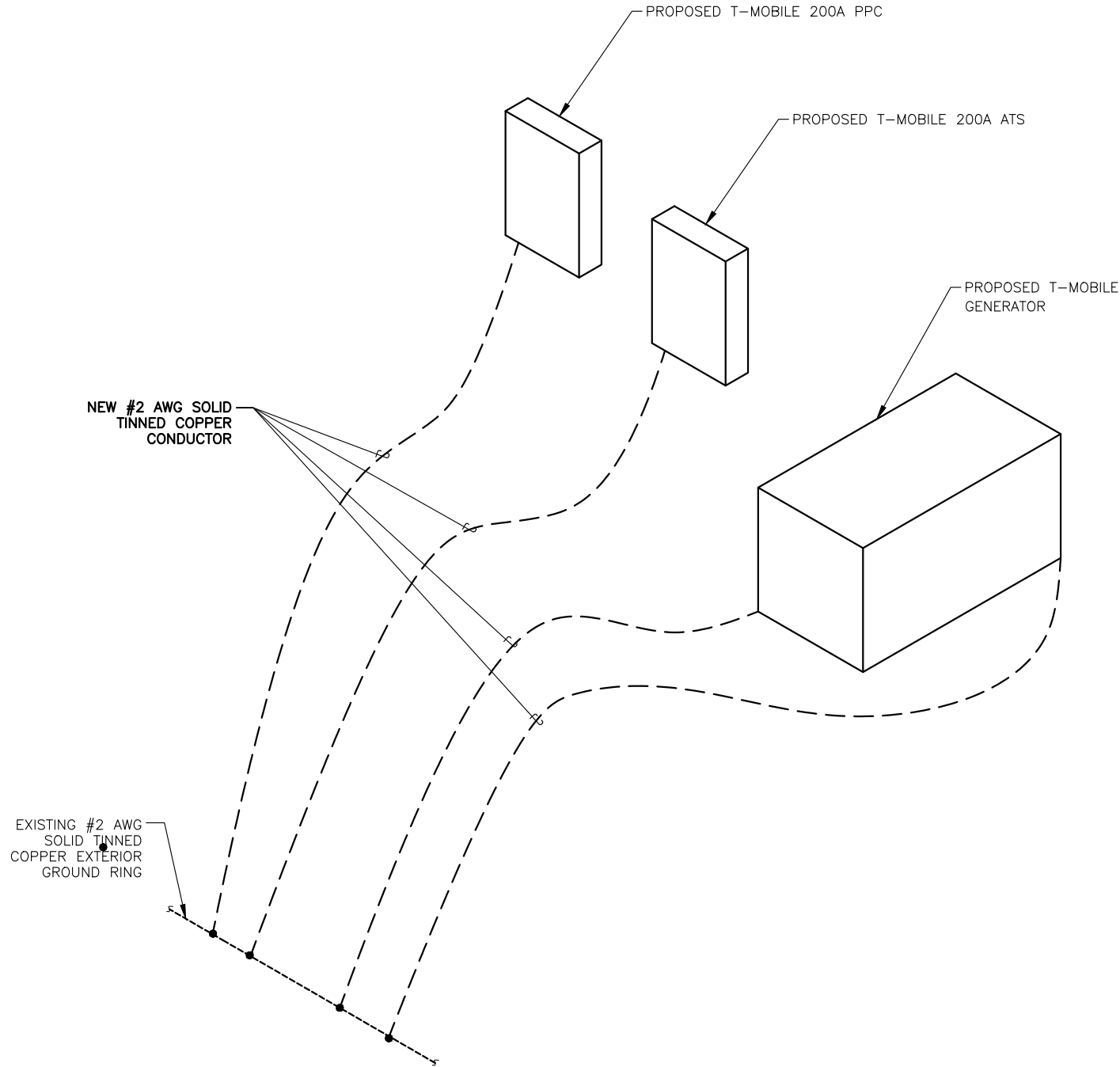
Project:
HILDRETH
9JK0344B
12343 SW US HWY 27
FORT WHITE, FL 32038

Drawing Title:
**ELECTRICAL ONE-LINE
DIAGRAM AND
PANEL SCHEDULE**

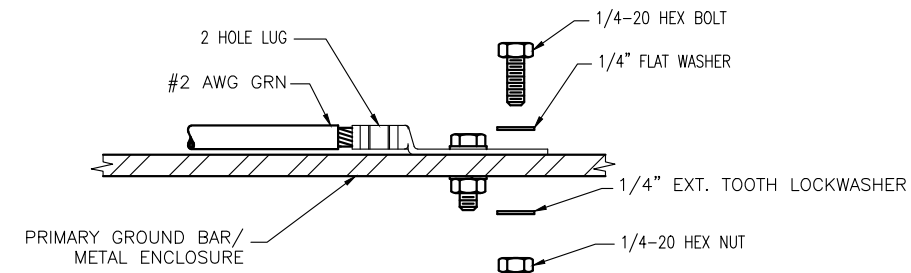
Project No.: 280570030	
Designer: XL	Date: 10/15/25
Drawn By: SE	Checked By: XL
PM Review: JG	Client Approval
Issue No.: 0	Drawing No.: E-3

SCALE IS BASE ON 22" X 34" "D" SIZE

C:\Users\LFISCO\1\AppData\Local\Temp\AcPublish_32620\9JK0344B_FCD_GEN_Rev_0_07.08.26.dwg 07/08/2026 1:12pm lffischer

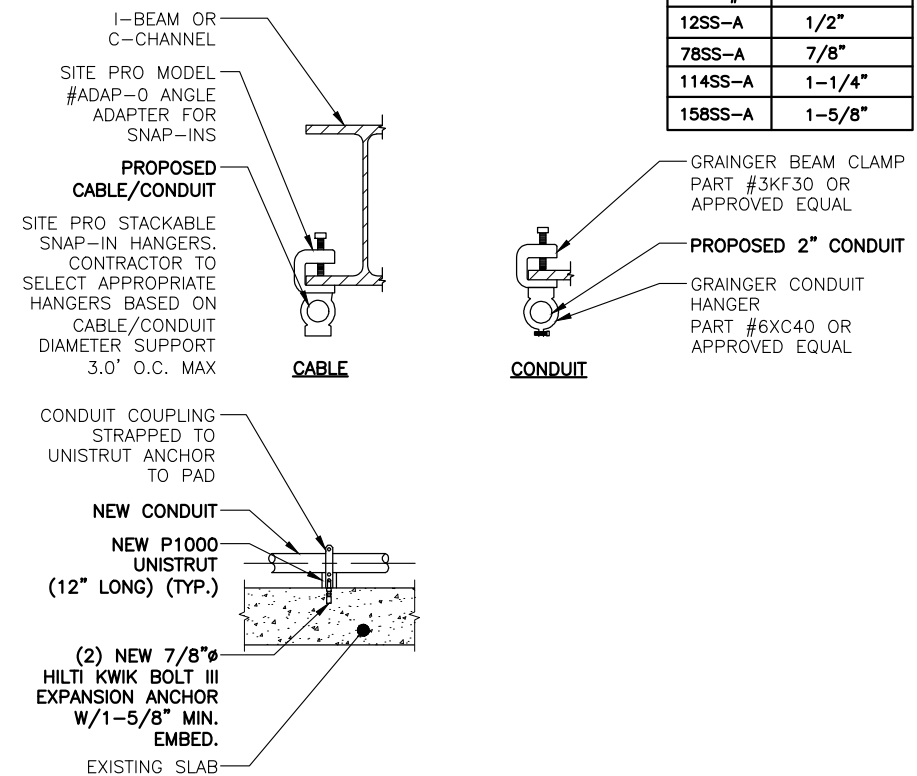


NTS TYPICAL GROUND BAR CONNECTION DETAIL 2



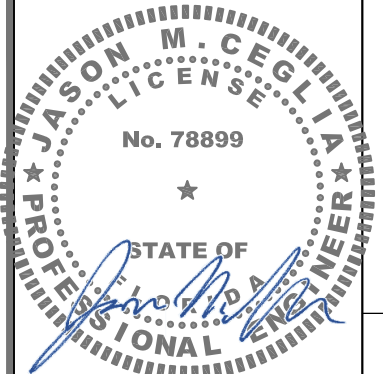
- INSTALLATION NOTES:**
1. SELECT BOLT LENGTH TO PROVIDE A MINIMUM OF TWO EXPOSED THREADS.
 2. BURNISH MOUNTING SURFACE TO REMOVE PAINT IN THE AREA OF LUG CONTACT.
 3. APPLY ANTI-OXIDANT COMPOUND TO MATING SURFACE OF LUG AND WIPE CLEAN EXCESS COMPOUND.
 4. USE SOLID COPPER WIRE AND MECHANICAL 2-HOLE LUG FOR ALL EXTERIOR GROUNDING.

NTS GROUND CONNECTION DETAIL 3



NTS TYPICAL CONDUIT SUPPORT DETAILS 4

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TEL: 954.577.4655
www.stantec.com

Project:

HILDRETH
9JK0344B
12343 SW US HWY 27
FORT WHITE, FL 32038

Drawing Title:

GROUNDING
DETAILS

Project No.:

280570030

Designer:

XL

Date:

10/15/25

Drawn By:

SE

Checked By:

XL

PM Review:

JG

Client Approval

Issue No.:

0

Drawing No.

E-4

SCALE IS BASE ON 22" X 34" D" SIZE