

GENERAL CONTRACTOR NOTES:

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE LOCAL BUILDING CODE AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
2. THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
3. PRIOR TO SUBMISSION OF BIDS, THE CONTRACTORS PARTICIPATING SHALL VISIT THE JOB SITE WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS TO CONFIRM THAT THE PROJECT CAN BE ACCOMPLISHED AS DESIGNED HEREIN, AS WELL AS TO FAMILIARIZE THEMSELVES WITH ALL FIELD CONDITIONS AFFECTING THE PROPOSED PROJECT INCLUDING DEMOLITION, ELECTRICAL, MECHANICAL AND STRUCTURAL INSTALLATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION. SHOULD ANY ERRORS, OMISSION, OR DISCREPANCIES BE FOUND, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY IN WRITING, T-MOBILE'S CONSTRUCTION MANAGER AND THE ARCHITECT OR ENGINEER OF RECORD. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
4. THE CONTRACTOR SHALL INCLUDE IN HIS OR HER BID ALL MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE THE WORK AS INDICATED OR IMPLIED BY THESE DRAWINGS.
5. IN THE EVENT OF DISCREPANCIES WITHIN THESE DRAWINGS, THE CONTRACTOR SHALL INCLUDE THE MORE COSTLY OR EXTENSIVE WORK IN THE BID, UNLESS SPECIFICALLY DIRECTED OTHERWISE BY T-MOBILE. IF A DISCREPANCY EXISTS AND THE PROJECT MANAGER AND ARCHITECT OR ENGINEER OF RECORD ARE NOT NOTIFIED, THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS INCURRED TO REPAIR OR CORRECT ALL PROBLEMS THAT RESULT.
6. CONTRACTOR SHALL CONSTRUCT THE SITE IN ACCORDANCE WITH THESE DRAWINGS AND T-MOBILE'S CONSTRUCTION STANDARDS AND SPECIFICATIONS. THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO PROCEEDING WITH CONSTRUCTION.
7. CONTRACTOR SHALL NOTIFY T-MOBILE'S CONSTRUCTION MANAGER AND THE ARCHITECT OR ENGINEER OF RECORD IF ANY DETAILS ARE CONSIDERED IMPRACTICAL, UNSUITABLE, UNSAFE, NOT WATERPROOF, OR NOT WITHIN CUSTOMARY TRADE PRACTICE. IF WORK IS PERFORMED, IT WILL BE ASSUMED THAT THERE IS NO OBJECTION TO ANY DETAIL. DETAILS ARE INTENDED TO SHOW THE END RESULT OF THE DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS, AND SHALL BE INCLUDED AS PART OF THE WORK.
8. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT OR ENGINEER OF RECORD FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT OR ENGINEER OF RECORD. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS / HER OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION.
9. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT OR ENGINEER OF RECORD AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORK SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
10. THESE DRAWINGS SHALL NOT BE SCALED AS THESE DRAWINGS ARE INTENDED TO BE FOR DIAGRAMMATIC PURPOSES ONLY. FIGURED DIMENSIONS HAVE PRECEDENCE OVER DRAWING SCALE AND DETAIL DRAWINGS HAVE PRECEDENCE OVER SMALL SCALE DRAWINGS. CONTRACTOR SHALL CHECK THE ACCURACY OF ALL DIMENSIONS IN THE FIELD. UNLESS SPECIFICALLY DIRECTED OTHERWISE BY T-MOBILE, DO NOT FABRICATE ANY MATERIALS, OR BEGIN ANY CONSTRUCTION UNTIL THE ACCURACY OF DRAWING DIMENSIONS HAS BEEN VERIFIED AGAINST ACTUAL FIELD CONDITIONS.
11. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND / OR DESIGN INTENT.
12. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED BEFORE STARTING ANY WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENT.
13. ALL SYMBOLS & ABBREVIATIONS USED ON THESE DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING THEIR EXACT MEANING, T-MOBILE'S CONSTRUCTION MANAGER AND THE ARCHITECT OR ENGINEER OF RECORD SHALL BE NOTIFIED FOR CLARIFICATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK.
14. EXISTING ELEVATIONS AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION. IF THEY DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY T-MOBILE'S CONSTRUCTION MANAGER AND THE ARCHITECT OR ENGINEER OF RECORD SO THAT MODIFICATIONS CAN BE MADE BEFORE PROCEEDING WITH THE WORK.
15. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT SITE DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
16. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS NECESSARY FOR THE PERFORMANCE OF THE WORK AND INCLUDE THOSE IN THE COST OF THE WORK TO T-MOBILE.
17. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE / FIBER COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.
18. CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO T-MOBILE'S CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
19. CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND SUBCONTRACTORS TO THE SITE AND / OR BUILDING.

20. GENERAL CONTRACTOR SHALL PROVIDE CONTINUOUS SUPERVISION AND DIRECT ALL WORK USING THE BEST CONSTRUCTION SKILL AND ATTENTION WHILE ANY SUBCONTRACTORS OR WORKERS ARE ON SITE. GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
21. THE CONTRACTOR SHALL PROVIDE TEMPORARY WATER, POWER AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER, T-MOBILE, AND THE CITY OR GOVERNING AGENCY.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE PROJECT SITE WHILE THE JOB IS IN PROGRESS AND UNTIL THE JOB IS COMPLETED AND ACCEPTED BY T-MOBILE.
23. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
24. THE CONTRACTOR SHALL PROTECT ALL PROPERTY FROM DAMAGE THAT MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO NEW AND EXISTING FINISHES, CONSTRUCTION, STRUCTURE, LANDSCAPING, CURBS, STAIRS, OR EQUIPMENT, ETC. SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF T-MOBILE AND THE PROPERTY OWNER'S REPRESENTATIVE, AT THE EXPENSE OF THE CONTRACTOR.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL REPLACE OR REMEDY, ANY FAULTY, IMPROPER, OR INFERIOR MATERIALS OR WORKMANSHIP OR ANY DAMAGE WHICH SHALL APPEAR WITHIN ONE YEAR AFTER THE COMPLETION AND ACCEPTANCE OF THE WORK BY T-MOBILE UNDER THIS CONTRACT.
26. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO LOCATE AND PROTECT, OR CONTACT AN OUTSIDE AGENCY TO LOCATE, ALL EXISTING UTILITIES REGARDLESS OF WHETHER OR NOT SHOWN HEREIN. THE CONTRACTOR SHALL BEAR ALL EXPENSES FOR THE REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF THE WORK.
27. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ARCHITECT OR ENGINEER OF RECORD. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.
28. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE ARCHITECT OR ENGINEER OF RECORD, AND SUBJECT TO THE APPROVAL OF THE OWNER AND / OR LOCAL UTILITIES AND JURISDICTION.
29. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ALL TEMPORARY BRACING AND SHORING TO ENSURE THE SAFETY OF THE WORK UNTIL IT IS COMPLETED. THIS INCLUDES UNDERPINNING EXISTING FOOTINGS WHERE APPLICABLE.
30. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS PER THE LATEST MANUFACTURER'S INSTALLATION GUIDELINES AND SPECIFICATIONS UNLESS OTHERWISE INDICATED BY T-MOBILE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
31. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY T-MOBILE AND THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO PROCEEDING.
32. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT AND EXPERIENCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICES. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
33. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL GIVE ALL REQUIRED CONSTRUCTION NOTICES AND SHALL COMPLY WITH ALL APPLICABLE LOCAL CODES, REGULATIONS, LAWS AND ORDINANCES, AS WELL AS THE STATE DEPARTMENT OF INDUSTRIAL RELATIONS REGULATIONS, INCLUDING BUT NOT LIMITED TO THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (OSHA).
34. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SUPERINTENDENT OF THE BUILDING & GROUNDS & SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THEIR REQUIREMENTS.
35. THE LATEST EDITION OF ALL PERMITTED AND APPROVED PLANS PERTAINING TO THIS PROJECT SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKERS. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION. THE CONTRACTOR SHALL ALSO MAINTAIN IN GOOD CONDITION, ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES. THESE ARE TO BE UNDER THE CARE OF THE CONSTRUCTION SUPERINTENDENT.
36. THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND WASTE MATERIALS ON A DAILY BASIS, EXCEPT FOR THAT SPECIFIED AS THE PROPERTY OF THE BUILDING OR PROPERTY OWNER AND SHALL EXERCISE STRICT CONTROL OVER SITE CLEANING THROUGHOUT CONSTRUCTION AND FINAL CLEAN-UP UPON COMPLETION OF WORK. ALL AREAS ARE TO BE LEFT IN A BROOM CLEAN CONDITION AT THE END OF EACH DAY THEN AT A VACUUM CLEAN CONDITION, FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE AT COMPLETION OF WORK.
37. KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOT, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
38. THE CONTRACTOR MUST PERFORM WORK DURING PROPERTY OWNER'S PREFERRED HOURS TO AVOID DISRUPTION OF NORMAL ACTIVITY.
39. SEAL ALL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHALL APPROVED MATERIALS IF AND WHERE APPLICABLE TO THIS FACILITY AND PROJECT SITE.
40. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA UNDER CONSTRUCTION.
41. ELECTRICAL POWER SYSTEM SHALL BE GROUNDED PER NEC ARTICLES 250 AND 810.

42. ALL NEW OPENINGS IN THE EXTERIOR ENVELOPE OF CONDITIONED SPACES SUCH AS AT WALL AND ROOF PENETRATIONS SHALL BE WEATHERPROOFED WITH CAULK OR SEALANT TO LIMIT INFILTRATION OF AIR AND MOISTURE.
43. UPON COMPLETION OF CONSTRUCTION, T-MOBILE'S CONSTRUCTION MANAGER SHALL CONDUCT A WALK-THRU WITH PROPERTY OWNER OR REPRESENTATIVE OF PROPERTY OWNER.
44. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SYSTEM EQUIPMENT IN A CLEAN WORKING ORDER UNTIL ACCEPTANCE OF THE PROJECT BY T-MOBILE.
45. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
46. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT.
47. REPAIR ALL EXISTING WALL SURFACE DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACE.
48. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
49. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
50. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
51. THE SUB-GRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
52. MINIMUM BEND RADIUS OF ANTENNA CABLE SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURER'S RECOMMENDATIONS.
53. DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND / OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO T-MOBILE.
54. THE INTENT OF THE PLANS AND SPECIFICATIONS IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE WITH WASHINGTON'S BUILDING STANDARDS CODE. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISH WORK WILL NOT COMPLY WITH THE REFERENCED CODE ON SHEET T-1.0, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK.
55. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REDLINING THE CONSTRUCTION DOCUMENTS TO ILLUSTRATE THE AS-BUILT CONDITIONS OF THE SITE INCLUDING THE SIZE, LOCATION, AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS AFTER THE SITE HAS BEEN AWARDED FINAL INSPECTION BY THE RESPONSIBLE BUILDING AGENCY. ONE SET OF REDLINED DRAWINGS SHALL BE PROVIDED TO T-MOBILE'S CONSTRUCTION MANAGER.
56. CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO PAPER, TRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.



19807 NORTH CREEK PARKWAY
BOTHELL, WA 98301



5101 THATCHER ROAD
DOWNER'S GROVE, IL 60515



500 WEST OFFICE CENTER DR. SUITE 150
FORT WASHINGTON, PA 19034

PROJECT:
HARDENING
T-MOBILE SITE NUMBER:
SE04823C
T-MOBILE SITE NAME:
WASHINGTON STATE FAIR / LIGHT
POLE

SITE ADDRESS:
902 S. MERIDIAN
PUYALLUP, WA 98371

SELECT DRAWING TYPE

REV	DATE	DESCRIPTION	DRAWN
A	04/14/2026	CONST. DRAWINGS - 90%	RCD
0	04/29/2026	CONST. DRAWINGS - S&S	JDY



PRCTI20260634

REVIEWED BY:
JDY

APPROVED BY:
JDY

"I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WASHINGTON"



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SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

T-2.0

REVISION:

0

GENERAL NOTES

DRAWING NOT TO SCALE

1

RF SIGNS

ALERTING SIGNS

INFORMATION SIGNS

SIGNAGE

DRAWING NOT TO SCALE

2

SPECIAL INSPECTIONS PER CHAPTER 17 OF THE IBC

TYPE	ITEM	PERIODIC / CONTINUOUS	SECTION	REFERENCED STANDARD	DETAIL
HIGH STRENGTH BOLTS	HILTI HIT-HY 200 V3 + HAS-V-36	PERIODIC	1705.3 ITEM 4A	ICC ESR-4868	1/D-1.0

SPECIAL INSPECTION NOTES:

- NOTICE TO THE APPLICANT / OWNER / OWNER'S AGENT / ARCHITECT OR ENGINEER OF RECORD: BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION / INSTALLATION OF THE WORK SPECIFIED HEREIN YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF PUYALLUP FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND AS REQUIRED BY THE CURRENT WASHINGTON CONSTRUCTION CODES.
- NOTICE TO THE CONTRACTOR / BUILDER / INSTALLER / SUB-CONTRACTOR / OWNER-BUILDER: BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION / INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU ACKNOWLEDGE AND ARE AWARE OF THE REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS. YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF PUYALLUP FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CURRENT WASHINGTON CONSTRUCTION CODES.
- THE SPECIAL INSPECTOR MUST BE CERTIFIED BY THE CITY OF PUYALLUP, IN THE CATEGORY OF WORK REQUIRED TO HAVE SPECIAL INSPECTION.
- THE CONSTRUCTION MATERIALS TESTING LABORATORY MUST BE APPROVED BY THE CITY OF PUYALLUP FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS AND, EQUIPMENT.
- THE SPECIAL INSPECTIONS IDENTIFIED ON PLANS ARE, IN ADDITION TO, AND NOT A SUBSTITUTE FOR, THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY THE CITY OF PUYALLUP BUILDING INSPECTOR.

SPECIAL INSPECTIONS

DRAWING NOT TO SCALE

3

I:\PROJECTS\IT-MOBILE\WASHINGTON\SE04823C - WASHINGTON STATE FAIR\01 - SE04823C - NETCON - HARDENING - [ACTIVE]\04 - DRAWINGS\03 - CONSTRUCTION DRAWINGS\REV 0\TMO_NETCON_SE04823C_HARDENING_FCD_REV0_2026.04.29.DWG - 2026-04-29 - DennisYoshii



LEGAL DESCRIPTION: SECTION 33 TOWNSHIP 20 RANGE 04 QUARTER 11: NE OF NE & N 1/2 OF SE OF NE LY ELY OF 5TH ST & W OF STATE HWY LESS RDS TOGW 1/2 5TH ST SW ABUTT VAC BY ORD 2865 EASE OF RECORD PER ETN 527237 ALSO EXC POR CYD TO CY OF PAYALLUP FOR ADD'L R/W PER ETN 4529976 OUT OF & COMB 1-000, 1-017, 1-019, 1-020, 1-031, 1-045, 1-055, 1-101, 1-103 & (DCPPLESS-16-80) DC12/12/08JU 10668175DC 6/5/2020BB

PARCEL: 0420331121
ZONING: FAIR
LOT SIZE: 50.77 ACRES

PARCEL: 7830000010
ZONING: FAIR

PARCEL: 3600000160
ZONING: FAIR

PARCEL: 0420342011
ZONING: FAIR

PARCEL: 0420342115
ZONING: FAIR

PARCEL: 0420331136
ZONING: FAIR

PROPOSED T-MOBILE
PROJECT AREA

EXISTING 78'-0"
STEALTH LIGHT POLE

MIDWAY BLVD

SHOWPLACE WY

S. MERIDIAN

BLUE RIBBON AVE

PROPERTY LINE

PROPERTY LINE

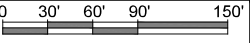
PROPERTY LINE



THESE PLANS WERE GENERATED WITHOUT THE BENEFIT OF A RECENT FIELD SURVEY. LOCATION OF RIGHT OF WAY, PROPERTY LINES, UTILITIES AND STRUCTURES ARE BASED ON CUSTOMER SUPPLIED DATA AND APPROXIMATE IN NATURE.

OVERALL SITE PLAN

SCALE: 1/64" = 1'-0" (22 x 34)
OR: 1/128" = 1'-0" (11 x 17)



NORTH

T-Mobile

19807 NORTH CREEK PARKWAY
BOTHELL, WA 98301

NETWORK
CONNEX

5101 THATCHER ROAD
DOWNER'S GROVE, IL 60515

INFINIGY

500 WEST OFFICE CENTER DR. SUITE 150
FORT WASHINGTON, PA 19034

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SHEET TITLE:

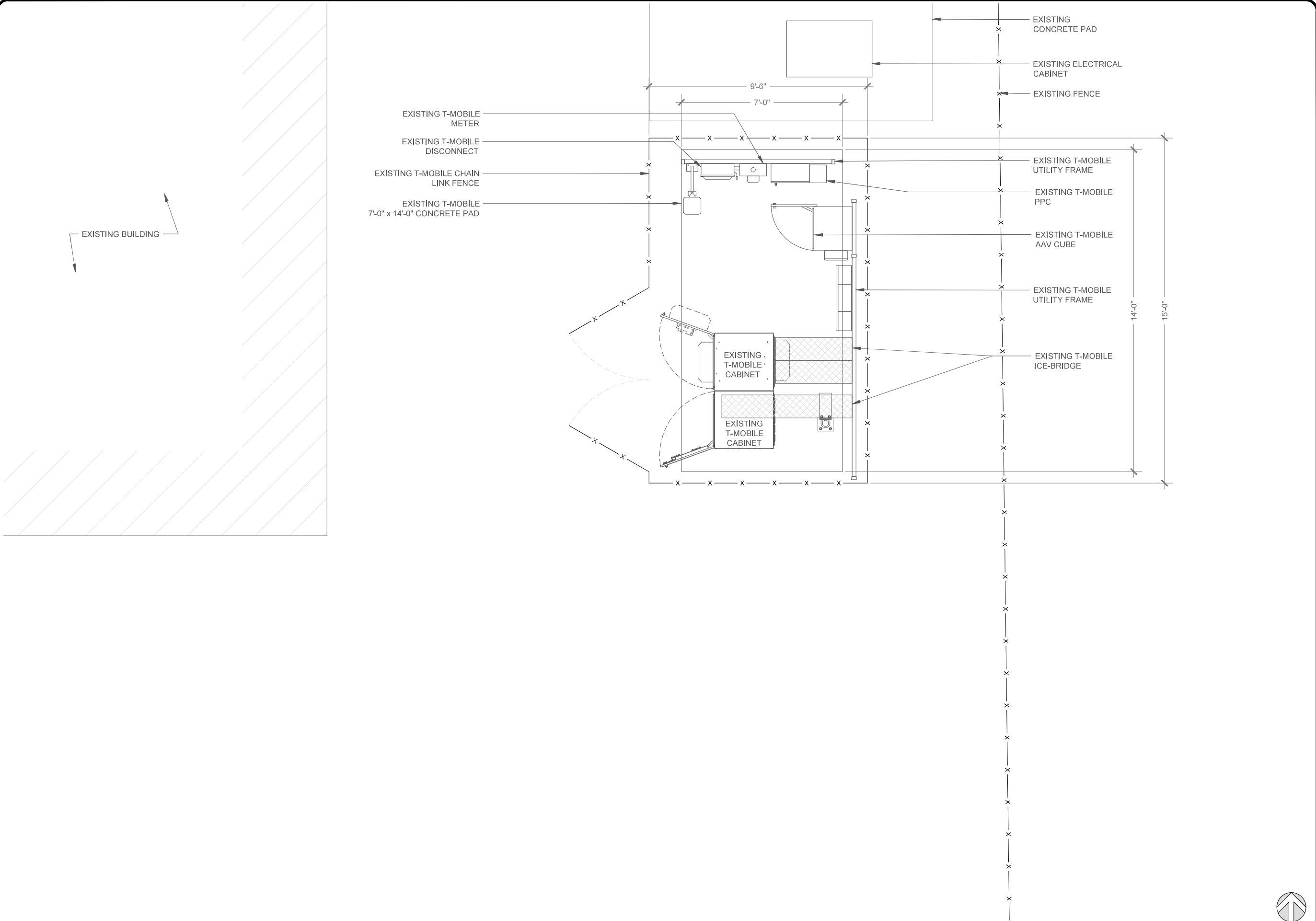
OVERALL SITE PLAN

SHEET NUMBER:

A-1.0

REVISION:

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City of Puyallup
Development & Permitting Services
SHARED PERMIT

BuildingPlanningEngineeringPublic WorksFireTraffic

PRCTI20260634

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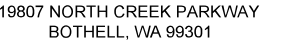
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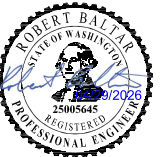
City of Puyallup Development & Permitting Services ISSUED PERMIT	
Building	Planning
Engineering	Public Works
Fire	Traffic

PRCTI20260634

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JDY

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PROFESSIONAL.

SHEET TITLE:

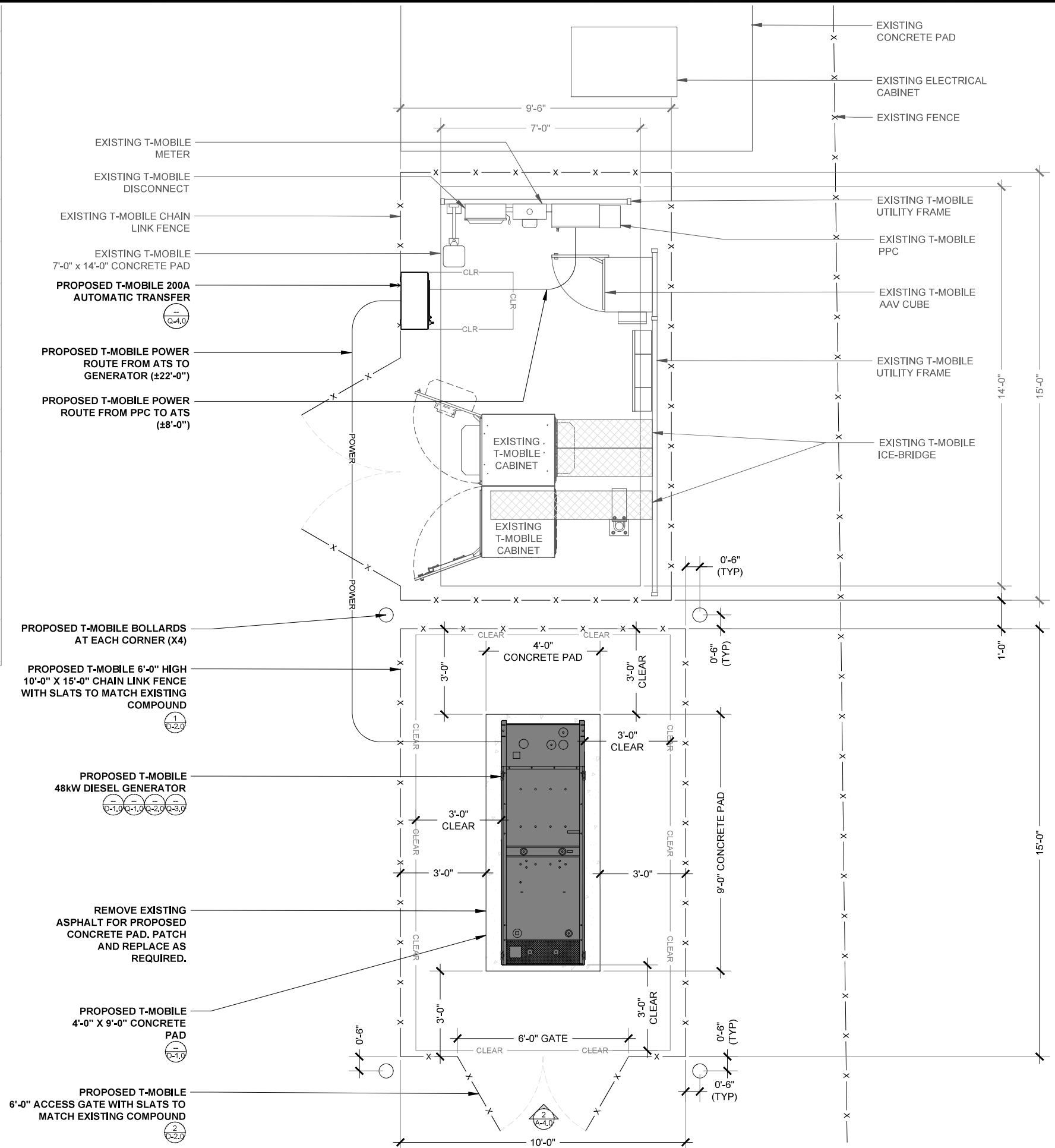
PROPOSED EQUIPMENT PLAN

SHEET NUMBER:

A-3.0

ION:

C

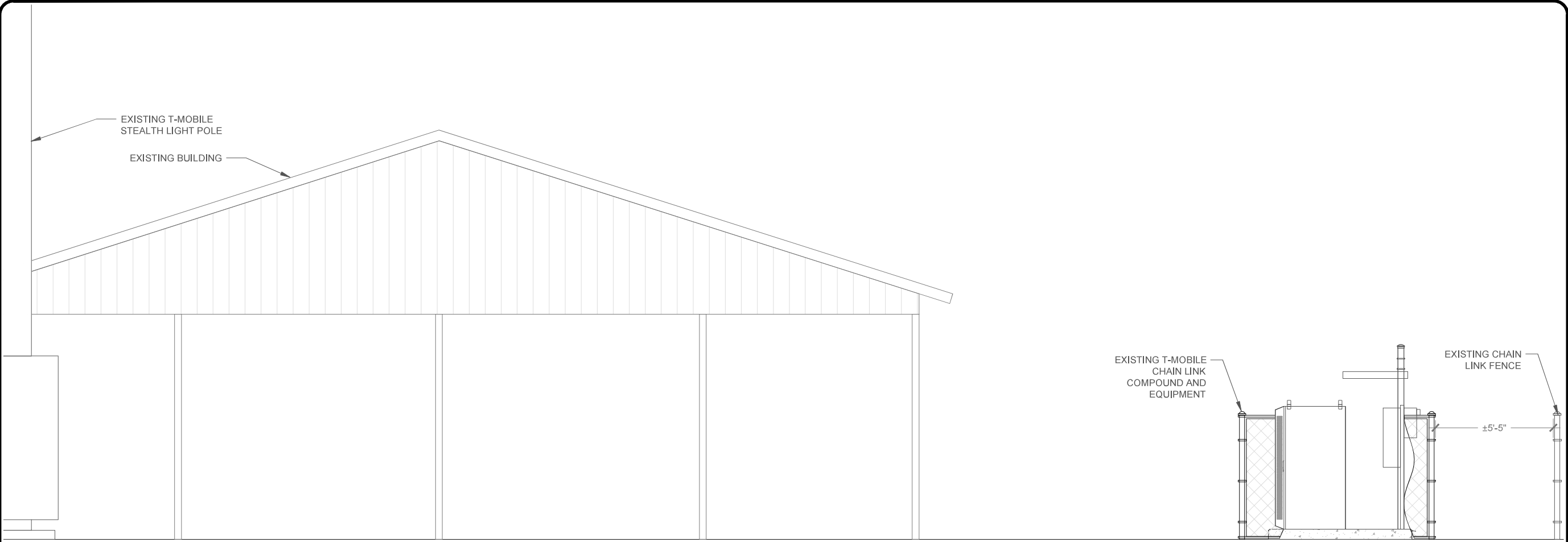


THESE PLANS WERE GENERATED WITHOUT THE BENEFIT OF A RECENT FIELD SURVEY. LOCATION OF RIGHT OF WAY, PROPERTY LINES, UTILITIES AND STRUCTURES ARE BASED ON CUSTOMER SUPPLIED DATA AND APPROXIMATE IN NATURE.

PROPOSED EQUIPMENT PLAN

SCALE:	$1/2" = 1'-0"$ (22 x 34)
OR:	$1/4" = 1'-0"$ (11 x 17)



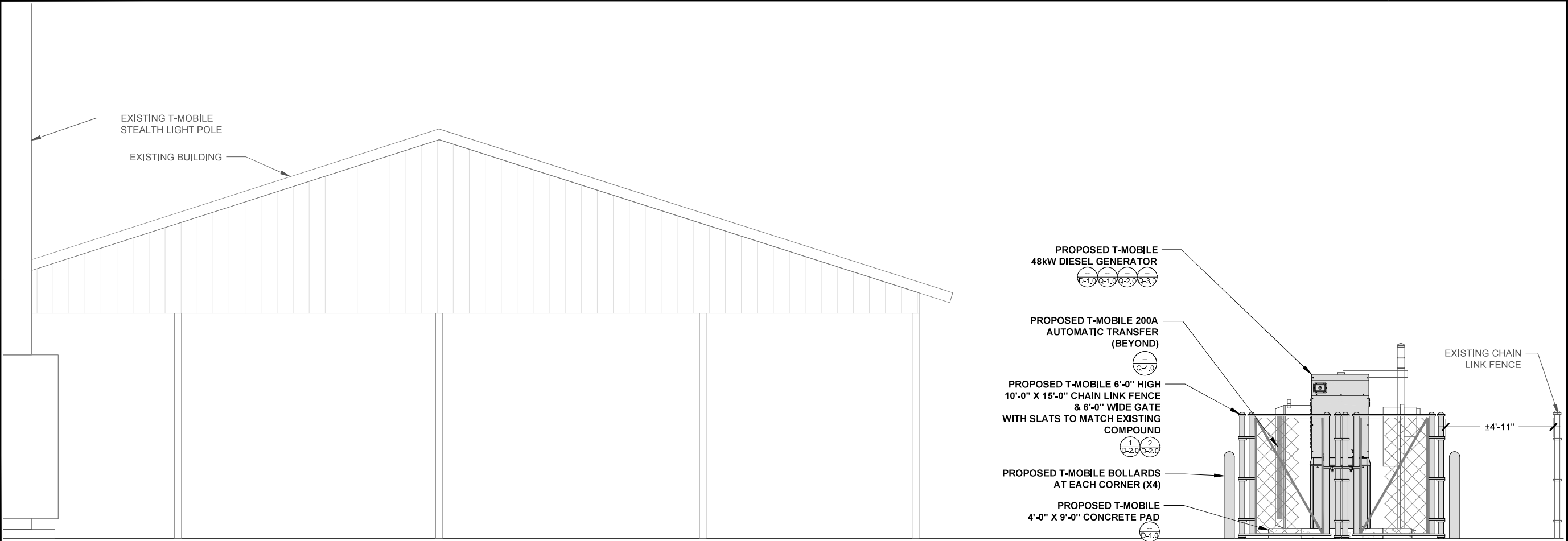


EXISTING NORTH ELEVATION

SCALE: 3/8" = 1'-0" (22 x 34)
OR: 3/16" = 1'-0" (11 x 17)

0 1' 2' 4' 6'

1



PROPOSED NORTH ELEVATION

SCALE: 3/8" = 1'-0" (22 x 34)
OR: 3/16" = 1'-0" (11 x 17)

0 1' 2' 4' 6'

2

T-Mobile

19807 NORTH CREEK PARKWAY
BOTHELL, WA 98301

NETWORK CONNEX

5101 THATCHER ROAD
DOWNER'S GROVE, IL 60515

INFINIGY

500 WEST OFFICE CENTER DR. SUITE 150
FORT WASHINGTON, PA 19034

PROJECT:
HARDENING
T-MOBILE SITE NUMBER:
SE04823C
T-MOBILE SITE NAME:
WASHINGTON STATE FAIR / LIGHT POLE

SITE ADDRESS:
902 S. MERIDIAN
PUYALLUP, WA 98371

SELECT DRAWING TYPE

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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building Planning Engineering Public Works Fire Traffic

PRCTI20260634

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APPROVED BY: JDY

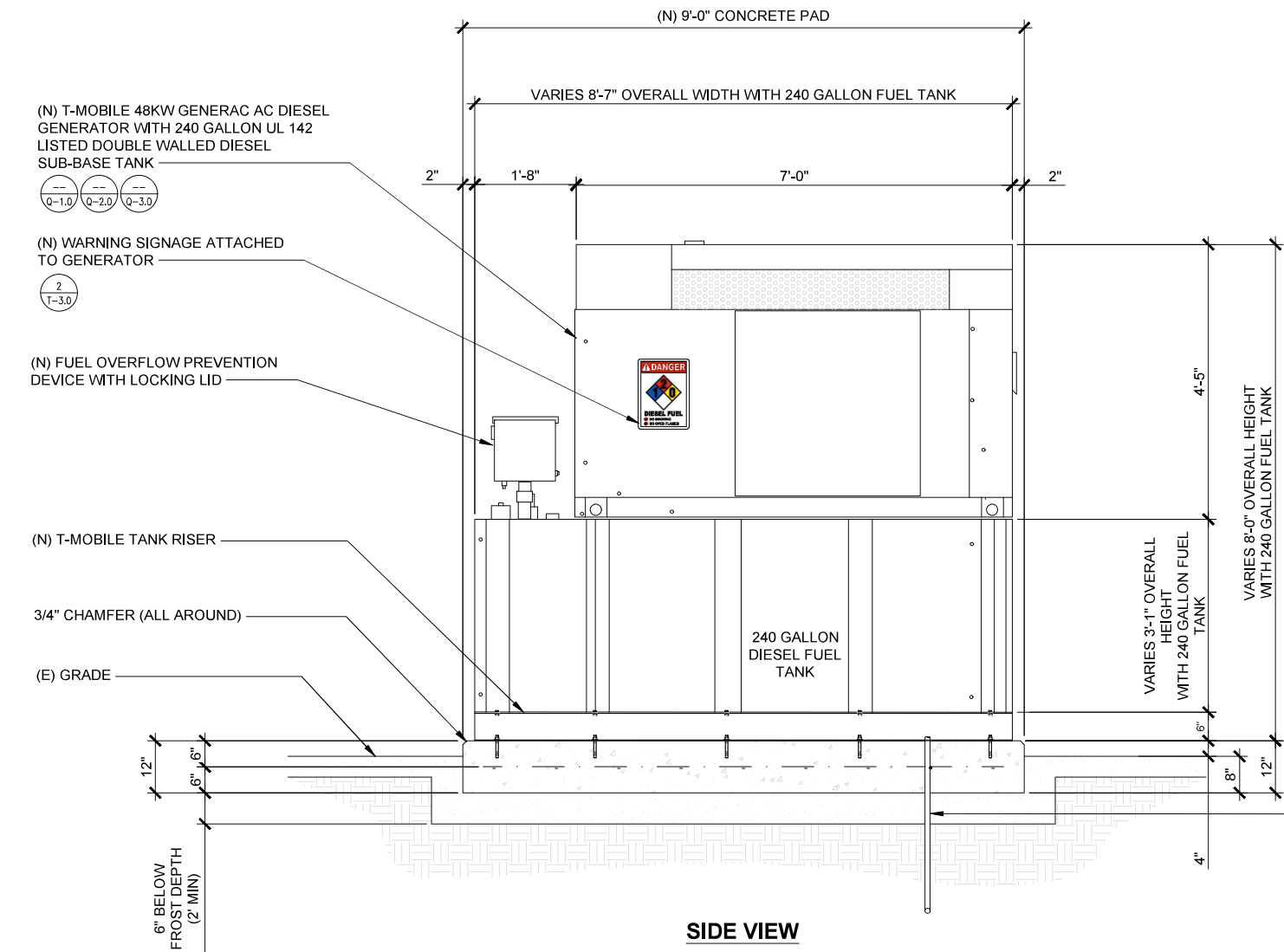
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ROBERT BALAJAR
ENGINEER OF WASHINGTON
04/29/2026
25005645
REGISTERED PROFESSIONAL ENGINEER

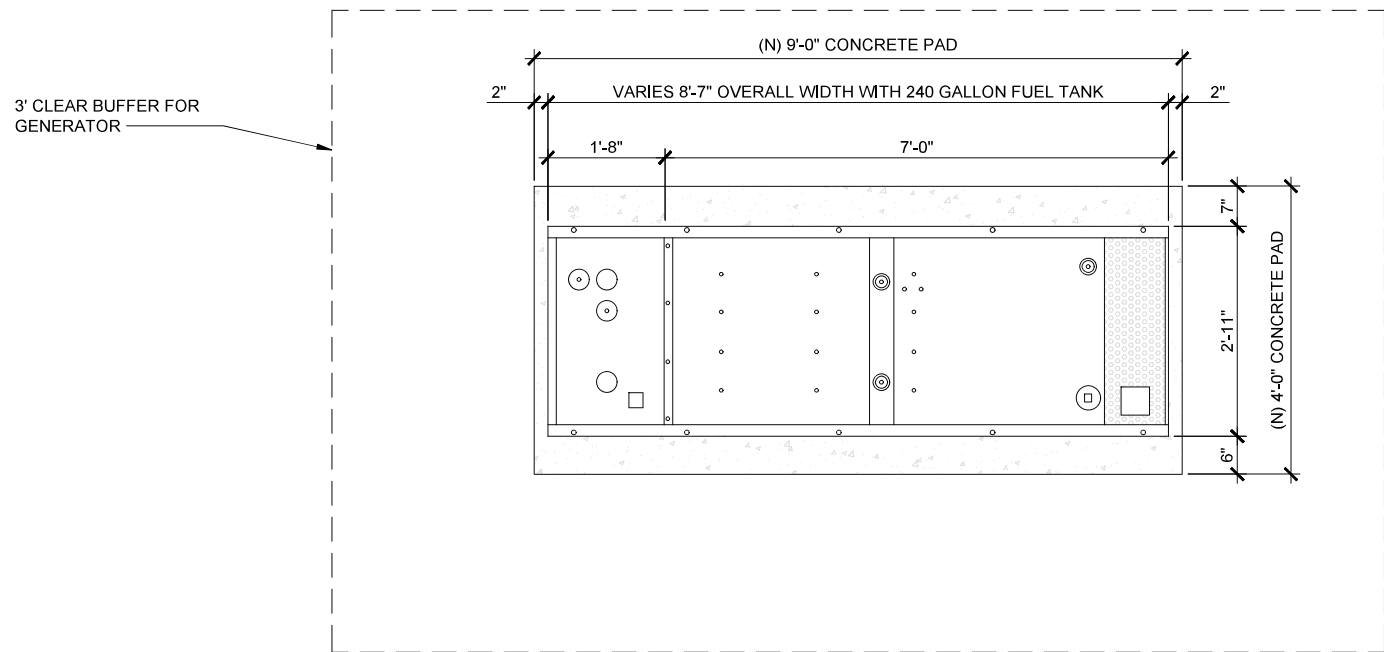
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SHEET TITLE:
EXISTING & PROPOSED NORTH ELEVATIONS

SHEET NUMBER: **A-4.0**
REVISION: **0**



SIDE VIEW



PLAN VIEW

NOTES:

- INSTALL CONDUIT AND FITTINGS IN A MANNER THAT ALLOWS FOR 5" OF VERTICAL TRAVEL BOTH WAYS (EXPANSION FITTINGS OR SUITABLE FLEXIBLE CONDUIT).
- ALL WIRES AND CONDUCTORS SHALL BE INSTALLED WITH EXPANSION LOOPS.
- CONCRETE SHALL ATTAIN A COMPRESSIVE STRENGTH OF $f'_c=2,500$ PSI MINIMUM AT 28 DAYS.
- ALL REINFORCING STEEL SHALL COMPLY WITH ASTM A615, GRADE 60.

6" MINIMUM COMPACTED CRUSHED AGGREGATE

EXCAVATE AS REQUIRED TO REMOVE VEGETATION AND TOP SOIL. EXPOSE UNDISTURBED NATURAL SUBGRADE.

(N) 1" Ø SCHEDULE 80 CONDUITS (4) TOTAL REFER TO MANUFACTURERS SPECIFICATIONS FOR EXACT LOCATION

CONSOLIDATED / UNDISTURBED SUBGRADE COMPACTED TO 95% STD. PROCTOR DENSITY

(N) T-MOBILE 4'-0" x 9'-0" x 12" CONCRETE SLAB WITH #5 REBAR @12" O.C. EACH WAY F'C=2500 PSI MIN. @28 DAYS

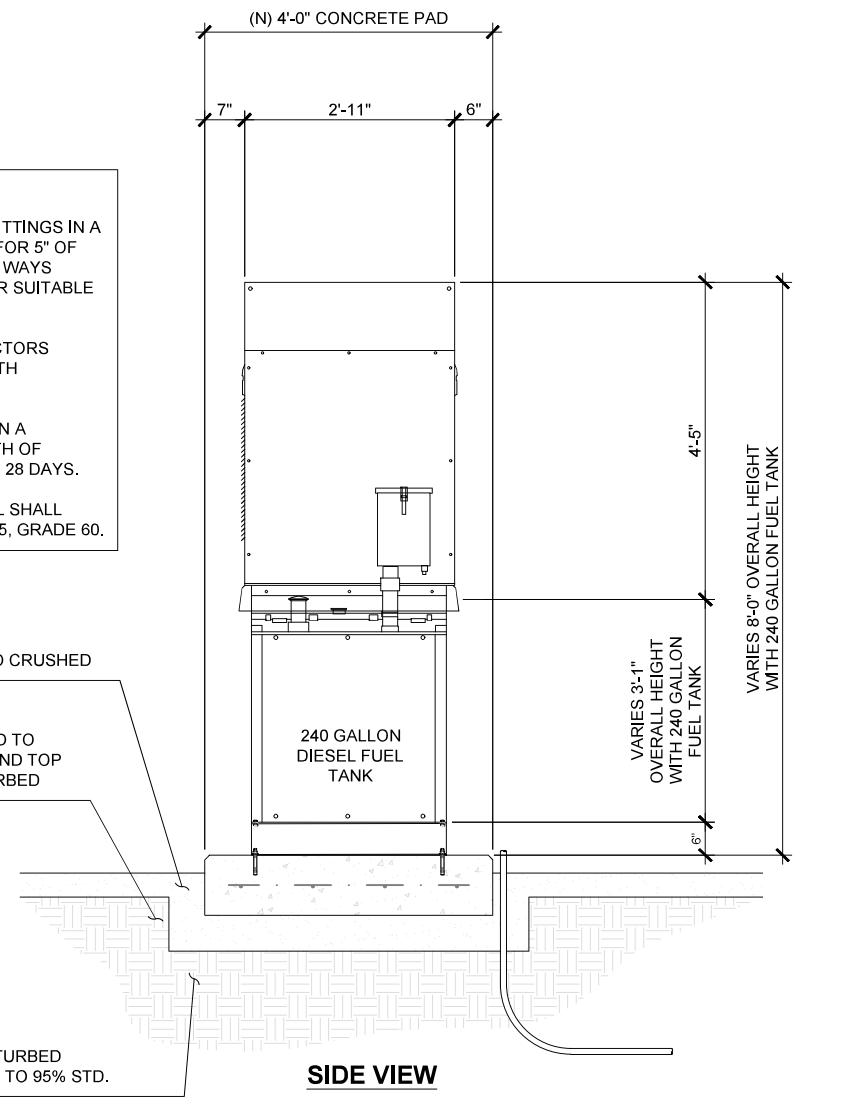
(N) #5 REBAR @12" O.C. EACH WAY, 3" CLEAR (TYP. ON ALL SIDES)

OUTLINE OF (N) GENERATOR FOOTPRINT

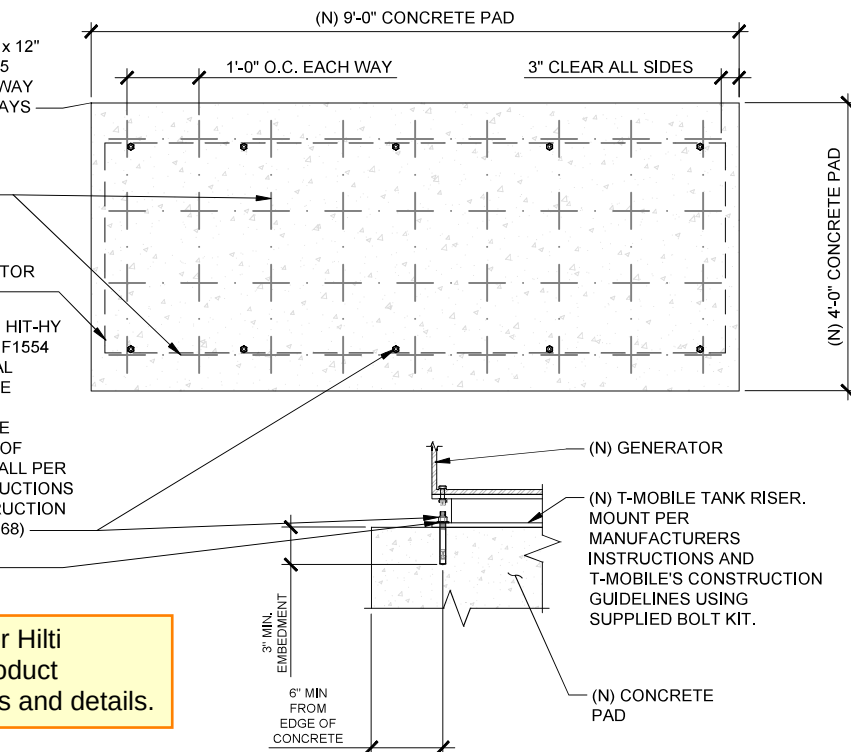
(N) T-MOBILE 1/2" Ø HILTI HIT-HY 200 V3 + HAS-V-36 (ASTM F1554 GR. 36) WITH 2.5" NOMINAL EMBEDMENT. REFERENCE MANUFACTURERS SPECIFICATIONS FOR THE LOCATION AND NUMBER OF MOUNTING POINTS. INSTALL PER MANUFACTURERS INSTRUCTIONS AND T-MOBILE'S CONSTRUCTION GUIDELINES. (ICC-ESR 4868)

(N) LOCK WASHER

Special Inspection required for Hilti anchors. Please see Hilti's product specifications for requirements and details.



SIDE VIEW



CONCRETE PAD REINFORCEMENT & EQUIPMENT ANCHORAGE

GENERATOR MOUNTING DETAIL ON NEW CONCRETE PAD

SCALE: 3/4" = 1'-0" (22 x 34)
OR: 3/8" = 1'-0" (11 x 17)

0 6" 1' 2' 3'

1

T-Mobile

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BOTHELL, WA 99301

NETWORK
CONNEX

5101 THATCHER ROAD
DOWNER'S GROVE, IL 60515

INFINIGY

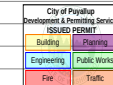
500 WEST OFFICE CENTER DR. SUITE 150
FORT WASHINGTON, PA 19034

PROJECT:
HARDENING
T-MOBILE SITE NUMBER:
SE04823C
T-MOBILE SITE NAME:
WASHINGTON STATE FAIR / LIGHT
POLE

SITE ADDRESS:
902 S. MERIDIAN
PUYALLUP, WA 98371

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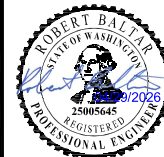


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SHEET TITLE:
GENERATOR MOUNTING
DETAILS

SHEET NUMBER:

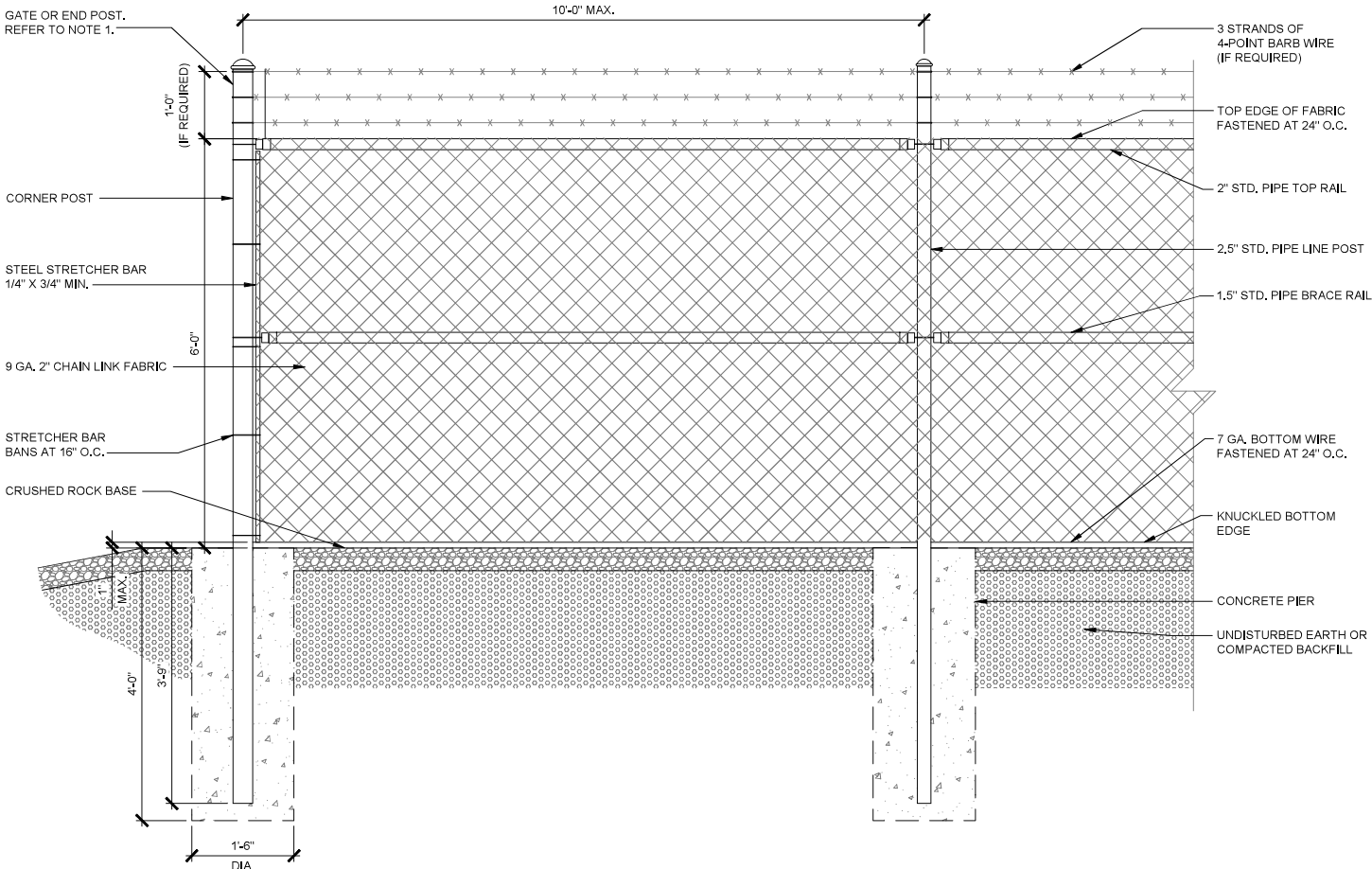
D-1.0

REVISION:

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FENCING NOTES

- GATE POST, CORNER, END, OR PULL POST: 4" STD, (4.5" O.D.) PIPE, 10.8 LBS/FT, PER ASTM-F1083.
- LINE POST: 2-1/2" STD, (2.875" O.D.) PIPE, 5.8 LBS/FT, PER ASTM-F1083.
- TOP RAIL AND BRACE RAIL: 2" STD, (2.375" O.D.) PIPE, 3.66 LBS/FT, PER ASTM-F1083. INSTALL BRACE AT ALL CORNER LOCATIONS AND ADJACENT TO GATES.
- GATE FRAME: 1-1/2" STD, (1.9" O.D.) PIPE, 2.72 LBS/FT, PER ASTM-F1083. GATE FRAME SHALL BE WELDED.
- FABRIC SHALL BE TWO-INCH CHAIN LINK MESH NO. 9 GAUGE (0.148") WIRE. THE FABRIC SHALL HAVE A KNUCKLED FINISH FOR THE TOP SELVAGES. FABRIC SHALL CONFORM TO ASTM A-392 CLASS 1.
- TIE WIRE: MINIMUM 11 GAUGE GALVANIZED STEEL. PROVIDE A SINGLE WRAP OF FABRIC TIE AT POSTS, RAILS, AND AT TENSION WIRE BY HOG RINGS. MAXIMUM SPACING OF 24" O.C.
- TENSION WIRE: MINIMUM 7 GAUGE GALVANIZED STEEL.
- BARB WIRE: DOUBLE STRAND 12 GAUGE 1/2" O.D. TWISTED WIRE TO MATCH WITH FABRIC, 14 GAUGE 4PT. BARBS SPACED ON APPROXIMATE 5" CENTERS.
- BARB WIRE GATE GUARDS SHALL BE FITTED WITH DOME CAPS.
- BARB WIRE SUPPORT ARMS SHALL BE PRESSED STEEL COMPLETE WITH SET BOLT AND LOCK WIRE IN THE ARM.
- PROVIDE (2) 6" WIDE SWING OUT GATES (UNLESS NOTED OTHERWISE) NO PERSONNEL GATES ARE REQUIRED (UNLESS AS DIRECTED BY THE CONSTRUCTION MANAGER). GATES SHALL BE ABLE TO LOCK.
- GATE POSTS SHALL BE EXTENDED 12", INCLUDING DOME CAP, TO PROVIDE FOR ATTACHMENT OF BARB WIRE.
- GATE FRAMES SHALL HAVE A FULL HEIGHT VERTICAL BRACE AND A FULL WIDTH HORIZONTAL BRACE, SECURED IN PLACE BY USE OF GATE BRACE CLAMPS.
- GATE HINGES SHALL BE MERCHANTS METAL MODEL 64386 HINGE ADAPTER WITH MODEL 6409, 180° ATTACHMENT OR APPROVED EQUAL.
- GATE LATCH: 1-3/8" O.D. PLUNGER ROD WITH MUSHROOM TYPE CATCH.
- A 6" BY 1/2" DIAMETER EYEBOLT, TO HOLD TENSION WIRE, SHALL BE PLACED AT LINE POSTS.
- STRETCHER BARS SHALL BE 3/16" OR HAVE EQUIVALENT CROSS-SECTIONAL AREA.
- ALL POSTS EXCEPT GATE POSTS SHALL HAVE A COMBINATION CAP AND BARB WIRE SUPPORTING ARM.
- ALL CAPS SHALL BE MALLEABLE IRON, DOME OR ACORN SHAPED AS REQUIRED BY PIPE SIZE.
- OTHER HARDWARE MAY INCLUDE BUT NOT BE LIMITED TO TIE CLIPS, BAND CLIPS, AND TENSION BAND CLIPS.
- WHERE THE USE OF CONCERTINA HAS BEEN SPECIFIED, 24" DIAMETERS COIL, BARBED TAPE, STAINLESS STEEL, CYCLONE FENCE MODEL G8P TO TYPE III SHALL BE FURNISHED. IT SHALL BE SUPPORTED ABOVE THE TOP RAIL BY USE OF (6) BARB WIRE ARMS POSITIONED ATOP EACH LINE/CORNER POST.
- UNLESS NOTED OTHERWISE, ALL CHAIN LINK FENCING COMPONENTS MUST BE HOT DIPPED GALVANIZED.
- CRUSHED ROCK BASE SHALL CONSIST OF EVENLY GRADED MIXTURE OF CRUSHED STONE OR GRAVEL, WITH 100% PASSING THROUGH 1-1/2" SIEVE AND NOT MORE THAN 5% PASSING THROUGH #4 SIEVE.



FENCING NOTES

DRAWING NOT TO SCALE

3

FENCE DETAILS

SCALE: 3/4" = 1'-0" (22 x 34)
OR: 3/8" = 1'-0" (11 x 17)



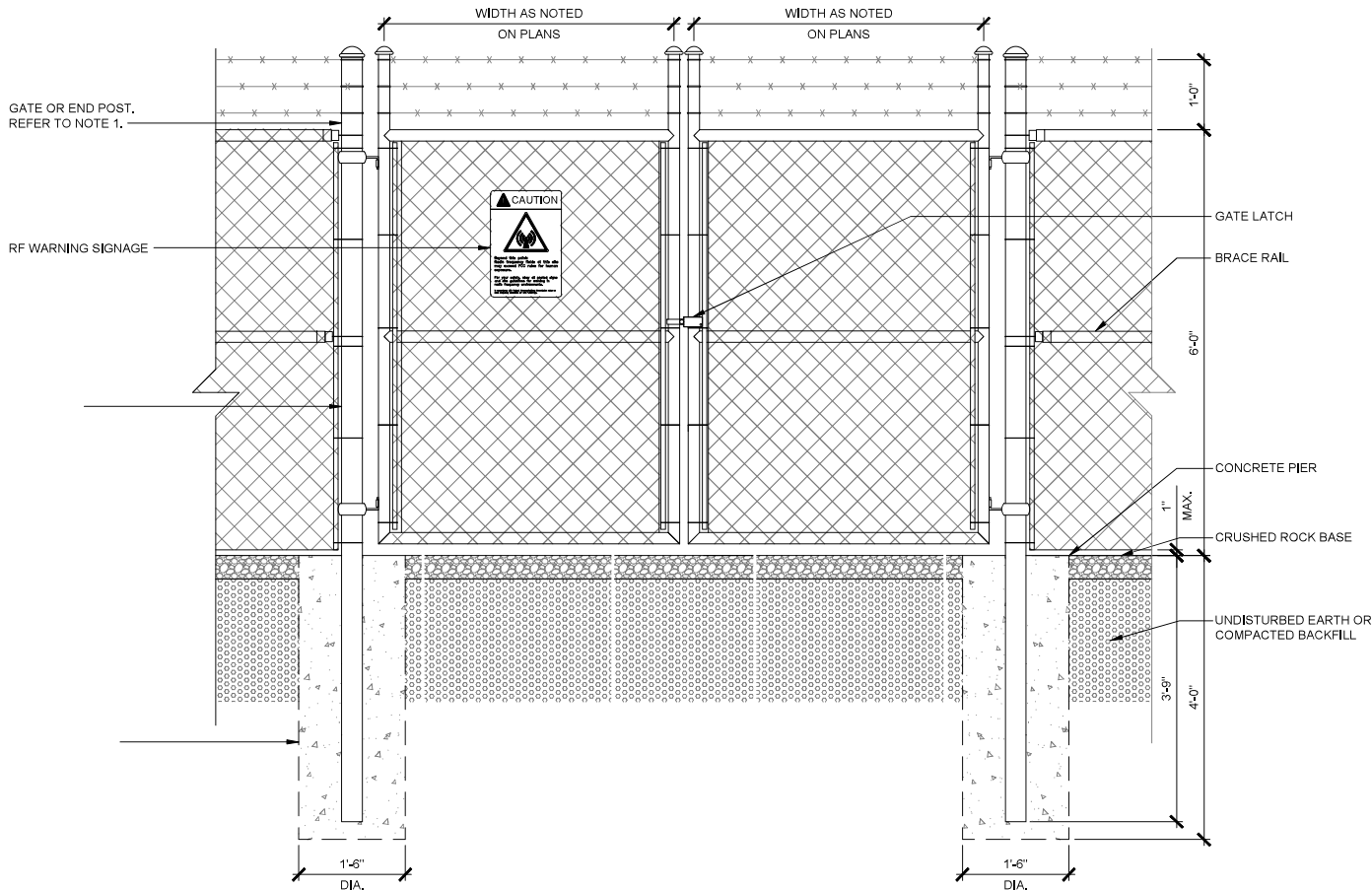
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NOT USED

DRAWING NOT TO SCALE

4

DOUBLE SWING GATE



SCALE: 3/4" = 1'-0" (22 x 34)
OR: 3/8" = 1'-0" (11 x 17)



2



19807 NORTH CREEK PARKWAY
BOTHELL, WA 98301



5101 THATCHER ROAD
DOWNER'S GROVE, IL 60515



500 WEST OFFICE CENTER DR. SUITE 150
FORT WASHINGTON, PA 19034

PROJECT:
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T-MOBILE SITE NAME:
WASHINGTON STATE FAIR / LIGHT
POLE

SITE ADDRESS:
902 S. MERIDIAN
PUYALLUP, WA 98371

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SHEET TITLE:

FENCE DETAILS

SHEET NUMBER:

D-2.0

REVISION:

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WASHINGTON STATE FAIR / LIGHT
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SHEET TITLE:
GENERATOR
SPECIFICATIONS

SHEET NUMBER:

Q-1.0

REVISION:

0

4

3

SH 1/2 REV A WINDCHILL VERSION A.1

1

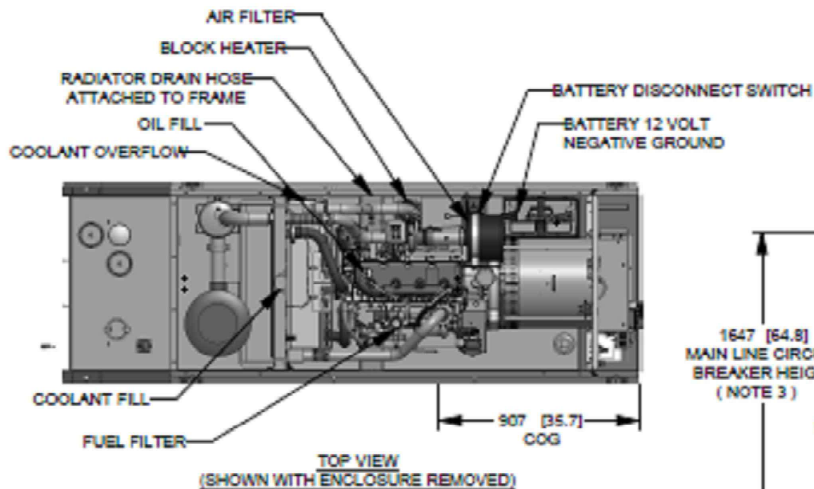
WEIGHT DATA WITH EMPTY BASETANK
(SEE NOTE 5)

GENERATOR AS SHOWN	1,322 [2,915]
WITH WOODEN SHIPPING SKID	1,340 [2,954]

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

NOTES:

1. 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.
2. BATTERY (12 VOLT NEGATIVE GROUND SYSTEM).
3. 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.
4. 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.
5. ENGINE SERVICE CONNECTIONS:
 - OIL DRAIN - 1/2" NPT
 - RADIATOR DRAIN - HOSE CLAMPED TO FRAME
6. CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.
7. BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
8. REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
9. MOUNTING BOLTS OR STUDS TO MOUNTING SURFACE SHALL BE 5/8-11 GRADE 5 (USE STANDARD SAE TORQUE SPECS)
10. MUST ALLOW FREE FLOW OF INTAKE AIR, DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
11. 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.
12. GENERATOR MUST BE GROUNDED.

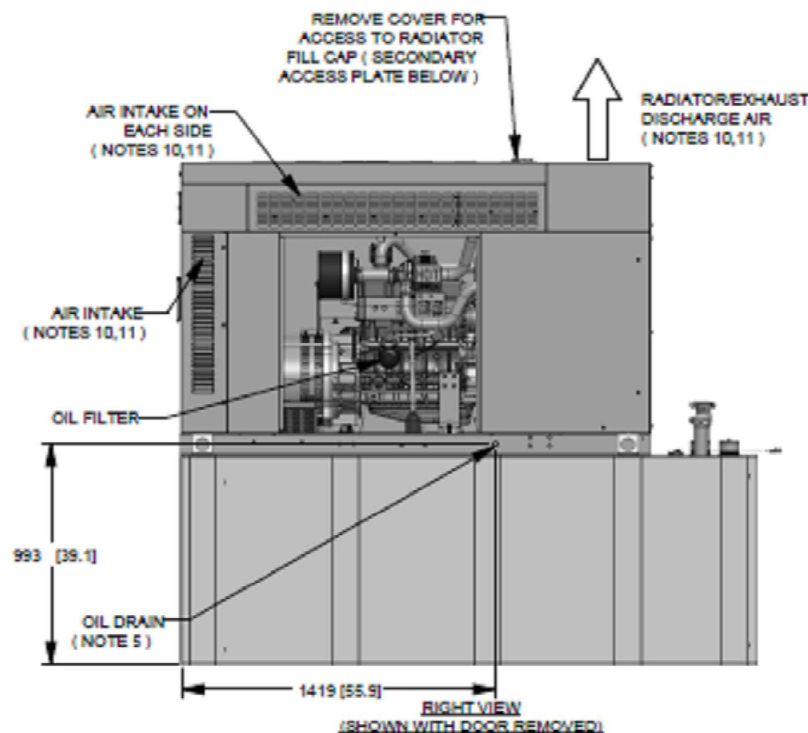
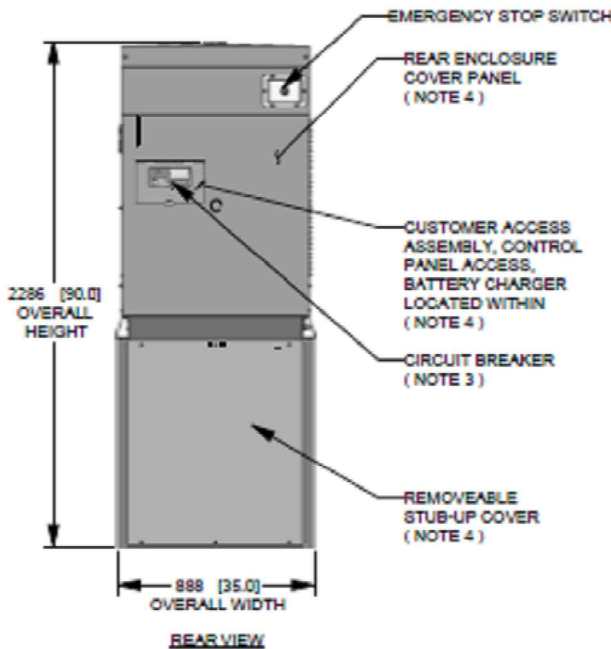


1647 [64.8]
MAIN LINE CIRCUIT
BREAKER HEIGHT
(NOTE 3)

1595 [62.8]
CUSTOMER
HIGH VOLTAGE
CONNECTION
(NOTE 4)

1197 [47.1]
LOW VOLTAGE
STUB-UP
(NOTE 4)

REAR VIEW
(SHOWN WITH REAR COVER PANEL REMOVED)



GENERAC

TITLE
INSTALL D3.4L G16
48KW Y06 EXT

ISSUE DATE:		8/8/18			
SIZE	CAGE NO	DWG NO	10000041950		
B	N/A				
SCALE	0.035	WT-KG	SEE ABOVE	SHEET	1

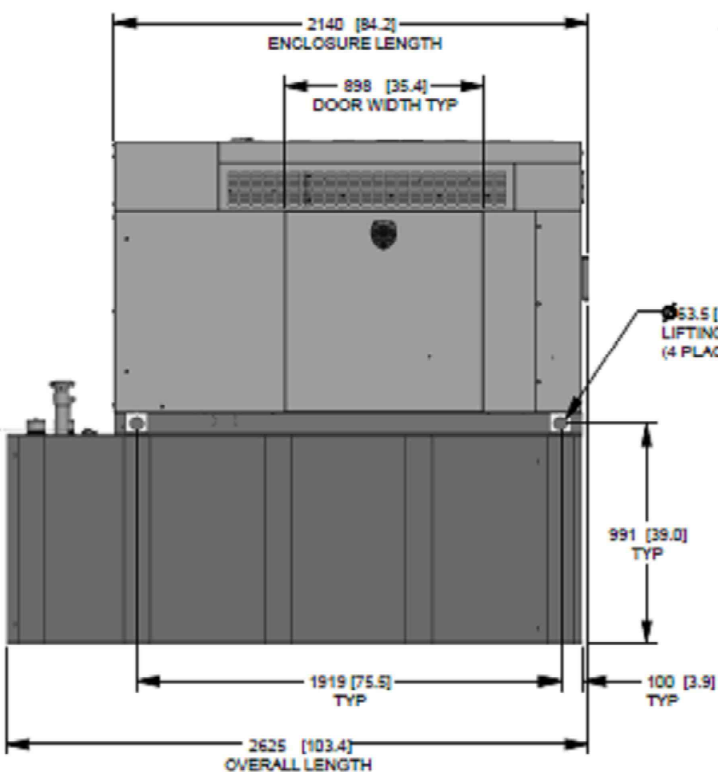
ELECTRONICALLY APPROVED
INSIDE WINDCHILL

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INSTALLATION DRAWING

DRAWING CREATED FROM PRO/ENGINEER
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LEFT VIEW



PROJECT:
HARDENING
T-MOBILE SITE NUMBER:
SE04823C
T-MOBILE SITE NAME:
WASHINGTON STATE FAIR / LIGHT
POLE

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PUYALLUP, WA 98371

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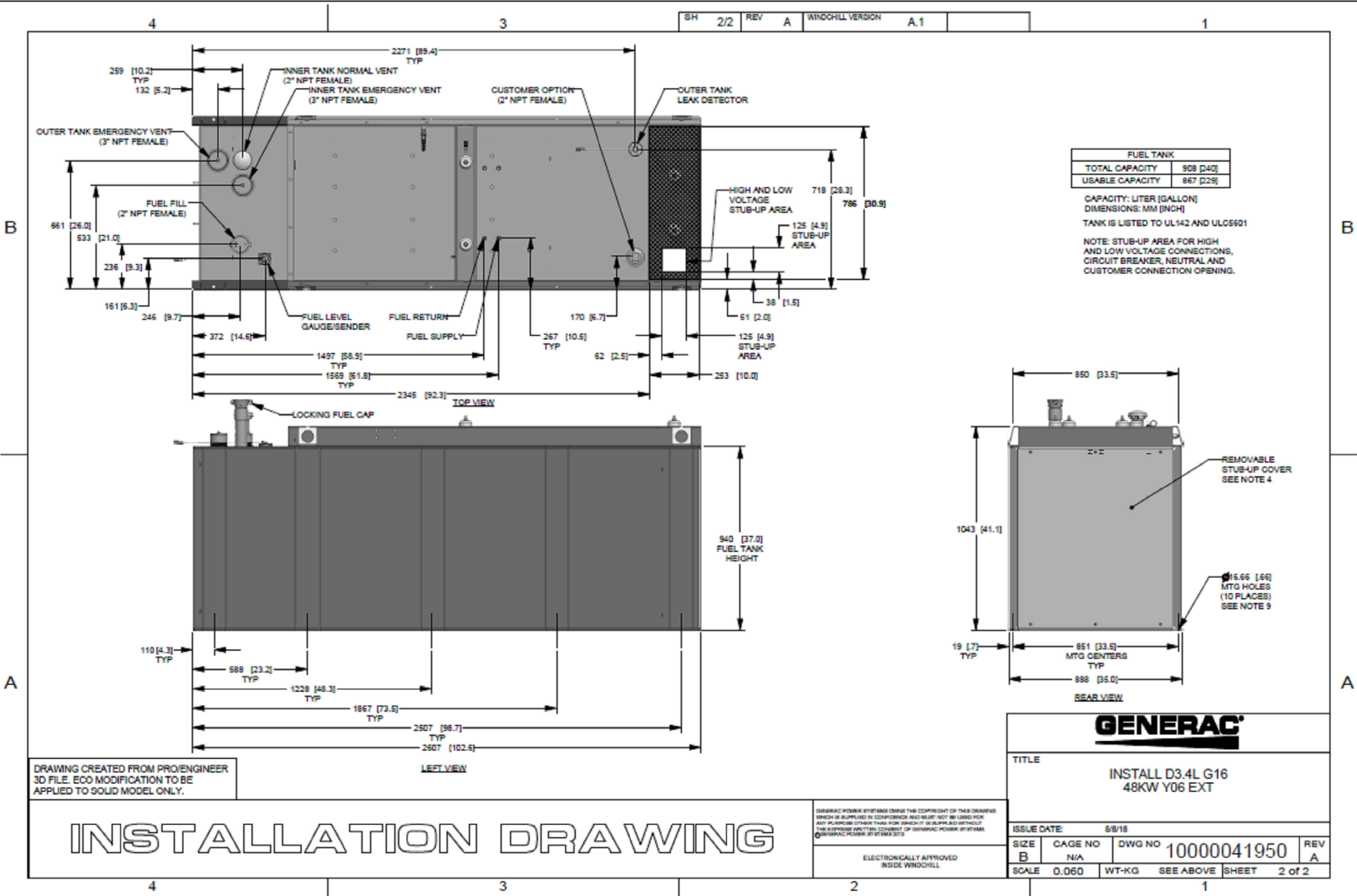
SHEET NUMBER:

Q-2.0

REVISION:

0

SH 2/2 REV A WINDCHILL VERSION A.1



RD048 | 3.3L | 48 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

Model Number
48 kW: G0070800

Standby Power Rating
48 kW, 60 Hz

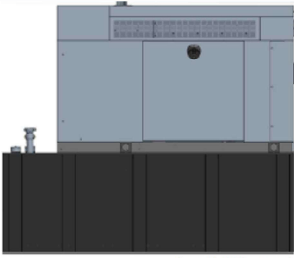


Image used for illustration purposes only

Codes and Standards

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

- UL2000, UL6200, UL1236, UL1489, UL142
- CSA C22.2, ULC S601
- BS5514 and DIN 6271
- SAE J1349
- NFPA 37, 70, 99
- ISO 3046, 8528, 9001
- NEMA ICS1, ISC10, MG1, 250, ICS6, AB1
- ANSI/IEEE 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 conditions.

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

RD048 | 3.3L | 48 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

OPERATING DATA

POWER RATINGS

Standby			
Single-Phase 120/240 VAC @ 1.0 pf	48 kW	Amps: 200	Circuit Breaker Size Amps: 200

MOTOR STARTING CAPABILITIES (kW)

KVVA vs. Voltage Dip at 30%	
120/240 V, Single-Phase at 0.4 pf	188 Amps

FUEL CONSUMPTION RATES*

Percent Load	Diesel (gph (lph))
25%	1.23 (4.68)
50%	2.02 (7.68)
75%	3.02 (11.43)
100%	4.02 (15.22)

* Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

Standby	
Air Flow	cfm (m ³ /min)
Coolant System Capacity	gal (L)
Heat Rejection to Coolant	BTU/hr (MJ/hr)
Temperature Deration	3% for every 5 °F above 23 °C or 1.7% for every 5 °F over 77 °F
Altitude Deration	1% for every 100 m above 915 m or 3% for every 1,000 ft over 3,000 ft
Maximum Ambient Temperature Operating Range	°F (°C)
Maximum Radiator Backpressure	in H ₂ O (kPa)

COMBUSTION AIR REQUIREMENTS

Standby	
Flow at Rated Power - cfm (m ³ /min)	90 (2.5)

ENGINE		EXHAUST	
Standby		Standby	
Rated Engine Speed	RPM	Exhaust Flow (Rated Output)	cfm (m ³ /min)
		Exhaust Temperature (Rated Output)	°F (°C)

Deration - Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, ISO8528, and DIN6271 standards.

RD048 | 3.3L | 48 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

STANDARD FEATURES

ENGINE SYSTEM

- Block Heater
- Oil Drain Extension
- Fan Guard
- Factory Filled Oil and Coolant

GENERATOR SET

- Sound Attenuated Aluminum Enclosure
- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Wrapped Exhaust Piping
- Standard Factory Testing
- Ready to Accept Full Load in <10 Seconds
- External Emergency Stop Push Button

ENCLOSURE

- Lockable Doors - Keyed Lock with Padlock Hasp
- Rust Proof Hardware
- RhinoCoat™ - Textured Polyester Powder Coat

Electrical System

- Battery
- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Sensor-Activated Starter Motor
- Smart Battery Charger
- Battery Disconnect

ALTERNATOR SYSTEM

- 2/3 Pitch
- Skewed Stator
- Sealed Bearings
- Low Temperature Rise (<120 °C)
- Low THD (<5%)

Cooling System

- Closed Coolant Recovery System
- Factory-Installed Radiator
- 60/60 Ethylene Glycol Antifreeze
- Radiator Drain Extension
- Can Operate at up to 122 °F (50 °C) Ambient Temperature

Fuel System

- Primary Fuel Filter
- Stainless Steel Fuel Lines

FUEL TANKS

- AS Minimum Hour Run Time
- UL 142/ULC 5901 Listed
- Lockable Fuel Cap

CONTROL SYSTEM



Evolution™ Controller

- Two-Line Plain Text LCD Display
- Programmable Start Delay between 10-30 seconds
- 10 Second Engine Start Sequence
- 3 Second Engine Warm Up
- 1 Minute Engine Cool-Down
- Starter Lock-Out
- Smart Battery Charger
- Automatic Voltage Regulation with Over and Under Protection
- Automatic Low Oil Pressure Shutdown
- Overspeed Shutdown
- High Temperature Shutdown
- Overcrank Protection
- Safety Fused
- Failure to Transfer Protection
- Low Battery Protection
- 50 Event Run Log
- Future Set Capable Exerciser
- Incomplete Wiring Protection
- Internal Fault Protection

- Common External Fault Capability
- Governor Failure Protection
- DB02 Diagnostic Port

Alarms

- Door Open
- Fuel Level
 - 90% Full
 - 50% Low Fuel
 - 10% Shutdown
- Generator Running
- Not in Auto
- Common Shutdown

OPTIONAL SHIPPED LOOSE AND FIELD INSTALL KITS

GENERATOR SET

- Paint Kit
- Scheduled Maintenance Kit

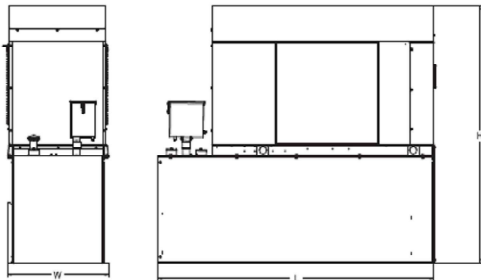
FUEL TANK

- Fuel Fill Drop Tube
- Spill Box
- 90% Fuel Audible Alarm
- Tank Risers
- Spill Box Drainback Kit
- Vent Extension Support Kit
- Overfill Prevention Valve

RD048 | 3.3L | 48 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

DIMENSIONS AND WEIGHTS*



Unit Weight - lbs (kg)	Unit Weight with Skid - lbs (kg)	Dimensions (L x W x H) - in (kg)
2,815 (1,322)	2,954 (1,340)	105.4 (2,625) x 55.0 (886) x 90.0 (2,286)

48 kW Fuel Consumption (gal)

Fuel Tank Gross Total Capacity	240
Fuel Tank Gross Usable Capacity	229
Fuel Tank Net Usable Capacity (Run Hours Based on Net Usage Capacity)	206
Run Hours at 100% Load	31
Run Hours at 75% Load	68
Run Hours at 50% Load	103

Sound Emission Data

Rated Load Sound Output at 23 ft - dB (A)	63
---	----

* All measurements are approximate and for information purposes only. Drawing is for information purposes only, not to scale.

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

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Part No. A000070800
Rev. 5 02/06/2020

RD048 | 3.3L | 48 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Make	Mitsubishi
Cylinder #	4
Type	In-Line
Displacement - in ³ (L)	201.98 (9.3)
Bore - in (mm)	5.70 (94)
Stroke - in (mm)	4.72 (120)
Compression Ratio	19:1
Cylinder Head Type	Cast Iron OHV
Piston Type	Aluminum
Intake Air System	Turbocharged/Aftercooled

Engine Governing

Governor	Electronic
Frequency Regulation (Steady State)	±0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full Flow Spin-On Canister
Crankcase Capacity - qt (L)	11.2 (10.6)

Cooling System

Cooling System Type	Closed Recovery
Fan Type	Pusher
Fan Speed - RPM	2,340
Fan Diameter - in (mm)	17 (431.8)

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specification	ASTM
Fuel Pump Type	Mechanical Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Line - in (mm)	0.31 (7.94) ID
Fuel Return Line - in (mm)	0.31 (7.94) ID
Fuel Filtering (Microns)	6

Engine Electrical System

System Voltage	12 VDC
Battery Charger Alternator	Standard
Battery Size	Group 27F
Battery Voltage	12 VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	Generac	Standard Excitation	Direct
Poles	4	Diagrams	Single Diodes Cartridge
Field Type	Brushing	Cooling	Direct Via Flexible Duct
Insulation Class - Rotor	F	Prototype Short Circuit Test	Yes
Insulation Class - Stator	H	Voltage Regulator Type	Electronic
Total Harmonic Distortion	<5%	Regulation Accuracy (Steady State)	±1.0%
Telephone Interference Factor (TIF)	<50		

Tank Risers

GENERAC® PROTECTOR DIESEL GENERATOR ACCESSORIES

Model 006505-0 - 15 & 20 kW
Model 006506-0 - 30 & 50 kW



DESCRIPTION

Tank risers are required in some municipalities to help avoid potential base tank corrosion caused by mounting on rough surfaces. The powder painted steel risers attach to the bottom of the base tank, through provided mounting holes, to elevate the tank off the ground.

Shipping Weight (lbs/kilos)	Shipping Dimensions (in/mm)
60/27.2	6x11x42/152x279x1067

GENERAC

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T-Mobile®

19807 NORTH CREEK PARKWAY
BOTHELL, WA 98301

NETWORK
CONNEX

5101 THATCHER ROAD
DOWNER'S GROVE, IL 60515

INFINIGY®

500 WEST OFFICE CENTER DR. SUITE 150
FORT WASHINGTON, PA 19034

PROJECT:
HARDENING
T-MOBILE SITE NUMBER:
SE04823C
T-MOBILE SITE NAME:
WASHINGTON STATE FAIR / LIGHT
POLE

SITE ADDRESS:
902 S. MERIDIAN
PUYALLUP, WA 98371

SELECT DRAWING TYPE

REV	DATE	DESCRIPTION	DRAWN
A	04/14/2026	CONST. DRAWINGS - 90%	RCD
0	04/29/2026	CONST. DRAWINGS - S&S	JDY



PRCTI20260634

REVIEWED BY:
JDY

APPROVED BY:
JDY

FOR
REFERENCE
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PROFESSIONAL.

SHEET TITLE:

GENERATOR
SPECIFICATIONS

SHEET NUMBER:

Q-3.0

REVISION:

0

TX611 Series Transfer Switch

100 – 400 Amps
Contactor Type - Open and Delayed Transition



- Automatic Transfer Switch
- 100 – 400 A, up to 480 VAC, 60 Hz
- Single or Three Phase
- 2, 3, or 4 Poles
- UL Type 1 or Type 3R Enclosure
- Open and Inphase or Open with Delayed Transition
- ETlus and cETLus
- 3 Cycle Rated for Easy Upstream Breaker Coordination



Image used for illustration purposes only

Codes and Standards

ETLus and cETLus Listed to UL 1008

NFPA 70, 99, 110

NEC 700, 701, 702, 708

OSHPD and Seismic Certified CBC 2019, CBC 2016, IBC 2018, IBC 2015, IBC 2012, IBC 2009, ASCE 7-10, ASCE 7-16, ICC-ES AC-156

Description

Generac's patented* contactor is featured in the TX contactor type transfer switch, which is a double-throw robust switch construction with inherent interlocks for safe positive transfer between power sources. Featuring a transition time of less than 20 milliseconds, this high speed transfer is ideal for all applications, including motor load applications. The contacts are silver composite for long life, resisting pitting or burning. The switches are rated for full load transfers in mission critical, emergency, legally required, and optional power systems. The microprocessor based controller provides the customers with the flexibility to program a comprehensive group of set points to match the application needs. The controller has two programmable inputs and one programmable output as standard and is available with optional expansion boards for up to four programmable inputs and outputs. The LCD displays real time and historical information with time-stamped events. The integrated plant exerciser can be configured in off, daily, day of week, biweekly, and monthly intervals with user selectable run time. Standard features of the controller include three phase sensing on both sources, phase unbalance, phase reversal, load shed, emergency inhibit, and communications.

*Patent Number: US 11,227,729 B2

TX611 Series Transfer Switch

100 – 400 Amps
Contactor Type - Open and Delayed Transition



STANDARD FEATURES

GENERAL

- Small Footprint. Results in Easy Mounting and Installation for Reduced Time and Costs
- Cable Entry to Top or Bottom
- Double Throw, Stored Energy Transfer Mechanism
- Can be Electrically Isolated while Energized
- Graphical LCD-Based Display for Programming, System Diagnostics and Help Menu Display Mimic Diagram with Source Available and Connected LED Indicator
- Method of Transfer: Open with Inphase Transition
- Mechanically Interlocked to Prevent Connection of Both Sources
- Modbus® RTU
- TXC 100 Controller
- Operating Temperature -4 ° to 158 °F (-20 ° to /0 °C)
- Removable Top and Bottom Plates for Ease of Entry
- Voltage Agnostic*
- High Withstand and Closing Ratings
- Heater Kit Standard on All 3R Enclosures
- Auxiliary Output Includes: Two Wire Start, Signal Before Transfer, Fault, and a Programmable Relay Output
- Auxiliary Input Includes: Permissive Inputs (24 VDC)
- General Alarm Indication
- 2 Year Standard Warranty
- IBC 2010, 2015, 2012, 2009

VOLTAGE AND FREQUENCY SENSING

- Three Phase Under and Over Voltage Sensing on Normal and Emergency Sources
- Under and Over Frequency Sensing on Normal and Emergency
- Selectable Settings: Single or Three Phase Voltage
- Sensing on Normal, Emergency and Load 60 Hz
- Phase Sequence Sensing for Phase Sensitive Loads

Start Circuit

- 2-Wire Start
- 3-Wire Start From C Contact for Circuit Monitoring

Digital Outputs

- Signal Before Transfer (Elevator)
- General Alarm

Digital Inputs

- Emergency Inhibit (Permissive & Load Shed)
- Go to Emergency (Demand Response)
- Manual Generator Retransfer

* 480 V 3-Wire Systems Must be Specified at Time of Ordering for Transformer Kit to be Included

CONFIGURABLE OPTIONS

- Chicago Code Kit
- 3R Padlockable Cover for Controller (Standard on 3R Enclosure)
- CTs for Integrated Metering
- Heater Option for Temperature and Humidity Control (Standard on 3R)
- Time Delay in Neutral Transition (TDN), or Inphase with a Default to Time Delay in Neutral Transfer
- Expandable Input/Output Board Module Includes: 4 Relay Outputs and 4 Optically Isolated Inputs
- IBC Seismic Certified/Seismic Rated
- 2 Year Extended Limited Warranty
- 5 Year Basic Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

Engineered Options

- Transient Voltage Surge Suppressor (TVSS)
- NEMA 4X Stainless Steel (304 or 316) Enclosure
- Manual Generator Retransfer Switch
- Go to Emergency Switch

Conversion Kits

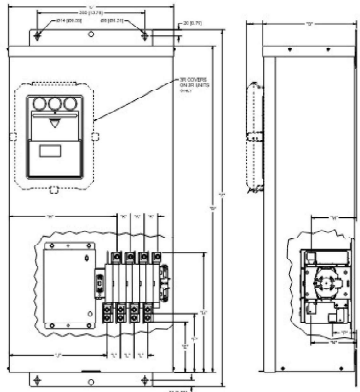
- 480 V Transformer Kit for 3-Wire Systems
- UL Type 1 to Type 3R Kit

TX611 Series Transfer Switch

100 – 400 Amps
Contactor Type - Open and Delayed Transition



UNIT DIMENSIONS*



Description		In (mm)														Cap (µF)		Weight (kg)	
		A (Height)	B (Height)	C (Width)	D (Depth)	E (Dim)	F (Dim)	G (Dim)	H (Dim)	J (Dim)	K (Dim)	L (Dim)	M (Dim)	N (Dim)	P (Dim)	Normal 75 °C Wire	Standby Source 75 °C Wire		
100A NON-SER TYPE 1	35.6 (903)	31.7 (806)	21.2 (538)	12.0 (305)	8.9 (225)	9.9 (252)	18.5 (471)	13.7 (348)	12.4 (315)	1.7 (44)	1.7 (44)	5.8 (148)	5.8 (148)	3.1 (79)	(1) 250 - 6	(1) 250 - 6	(1) 250 - 6	(5) 250 - 6	(2) 100 - 6
100A NON-SER TYPE 3R	35.6 (903)	31.7 (806)	21.2 (538)	13.9 (353)	8.9 (225)	9.9 (252)	18.5 (471)	13.7 (348)	12.4 (315)	1.7 (44)	1.7 (44)	5.8 (148)	5.8 (148)	3.1 (79)	(1) 250 - 6	(1) 250 - 6	(1) 250 - 6	(5) 250 - 6	(2) 100 - 6
150A NON-SER TYPE 1	35.6 (903)	31.7 (806)	21.2 (538)	12.0 (305)	8.9 (225)	9.9 (252)	18.5 (471)	13.7 (348)	12.4 (315)	1.7 (44)	1.7 (44)	6.0 (152)	6.0 (152)	3.3 (84)	(1) 250 - 6	(1) 250 - 6	(1) 250 - 6	(5) 250 - 6	(2) 100 - 6
150A NON-SER TYPE 3R	35.6 (903)	31.7 (806)	21.2 (538)	13.9 (353)	8.9 (225)	9.9 (252)	18.5 (471)	13.7 (348)	12.4 (315)	1.7 (44)	1.7 (44)	6.0 (152)	6.0 (152)	3.3 (84)	(1) 250 - 6	(1) 250 - 6	(1) 250 - 6	(5) 250 - 6	(2) 100 - 6
200A NON-SER TYPE 1	35.6 (903)	31.7 (806)	21.2 (538)	12.0 (305)	8.9 (225)	9.9 (252)	18.5 (471)	13.7 (348)	12.4 (315)	1.7 (44)	1.7 (44)	6.0 (152)	6.0 (152)	3.3 (84)	(1) 250 - 6	(1) 250 - 6	(1) 250 - 6	(5) 250 - 6	(2) 100 - 6
200A NON-SER TYPE 3R	35.6 (903)	31.7 (806)	21.2 (538)	13.9 (353)	8.9 (225)	9.9 (252)	18.5 (471)	13.7 (348)	12.4 (315)	1.7 (44)	1.7 (44)	6.0 (152)	6.0 (152)	3.3 (84)	(1) 250 - 6	(1) 250 - 6	(1) 250 - 6	(5) 250 - 6	(2) 100 - 6
300A NON-SER TYPE 1	51.4 (1,305)	47.5 (1,206)	24.2 (614)	12.0 (305)	9.7 (246)	11.5 (292)	20.3 (516)	14.8 (377)	13.1 (331)	2.3 (59)	2.3 (59)	6.5 (166)	6.5 (166)	3.3 (84)	(1) 600 - 4 or (2) 250 - 1/0	(1) 600 - 4 or (2) 250 - 1/0	(1) 600 - 4 or (2) 250 - 1/0	(5) 600 MCM - 1/0 or (2) 250 - 1/0	(2) 250 - 5
300A NON-SER TYPE 3R	51.4 (1,305)	47.5 (1,206)	24.2 (614)	13.9 (353)	9.7 (246)	11.5 (292)	20.3 (516)	14.8 (377)	13.1 (331)	2.3 (59)	2.3 (59)	6.5 (166)	6.5 (166)	3.3 (84)	(1) 600 - 4 or (2) 250 - 1/0	(1) 600 - 4 or (2) 250 - 1/0	(1) 600 - 4 or (2) 250 - 1/0	(5) 600 MCM - 1/0 or (2) 250 - 1/0	(2) 250 - 5
400A NON-SER TYPE 1	51.4 (1,305)	47.5 (1,206)	24.2 (614)	12.0 (305)	9.7 (246)	11.5 (292)	20.3 (516)	14.8 (377)	13.1 (331)	2.3 (59)	2.3 (59)	6.5 (166)	6.5 (166)	3.3 (84)	(1) 600 - 4 or (2) 250 - 1/0	(1) 600 - 4 or (2) 250 - 1/0	(1) 600 - 4 or (2) 250 - 1/0	(5) 600 MCM - 1/0 or (2) 250 - 1/0	(2) 250 - 5
400A NON-SER TYPE 3R	51.4 (1,305)	47.5 (1,206)	24.2 (614)	13.9 (353)	9.7 (246)	11.5 (292)	20.3 (516)	14.8 (377)	13.1 (331)	2.3 (59)	2.3 (59)	6.5 (166)	6.5 (166)	3.3 (84)	(1) 600 - 4 or (2) 250 - 1/0	(1) 600 - 4 or (2) 250 - 1/0	(1) 600 - 4 or (2) 250 - 1/0	(5) 600 MCM - 1/0 or (2) 250 - 1/0	(2) 250 - 5

UL 1008 Withstand and Closing Ratings					
Available Rating	Specific Breaker (kA) **	3-Cycle Rating (kA)	Fuse Rating, Class J	Fuse Size	Voltage
100	25	22	200 kA	200 A	480V
150	42	22	200 kA	200 A	480V
200	42	22	200 kA	200 A	480V
300	65	35	200 kA	400 A	480V
400	65	35	200 kA	400 A	480V

* 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.
** See Specific Breaker List available on BCDconnect.
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Part No. A0000528440
Rev. E 04/21/2023

Separate Electrical Permit is required with the Washington State Department of Labor & Industries.
<https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections>
or call for Licensing Information: 1-800-647-0982



19807 NORTH CREEK PARKWAY
BOTHELL, WA 98301



5101 THATCHER ROAD
DOWNER'S GROVE, IL 60515



500 WEST OFFICE CENTER DR. SUITE 150
FORT WASHINGTON, PA 19034

PROJECT:
HARDENING
T-MOBILE SITE NUMBER:
SE04823C
T-MOBILE SITE NAME:
WASHINGTON STATE FAIR / LIGHT
POLE

SITE ADDRESS:
902 S. MERIDIAN
PUYALLUP, WA 98371

SELECT DRAWING TYPE

REV	DATE	DESCRIPTION	DRAWN
A	04/14/2026	CONST. DRAWINGS - 90%	RCD
0	04/29/2026	CONST. DRAWINGS - S&S	JDY



PRCTI20260634

REVIEWED BY:
JDY

APPROVED BY:
JDY

FOR
REFERENCE
ONLY

SHEET TITLE:

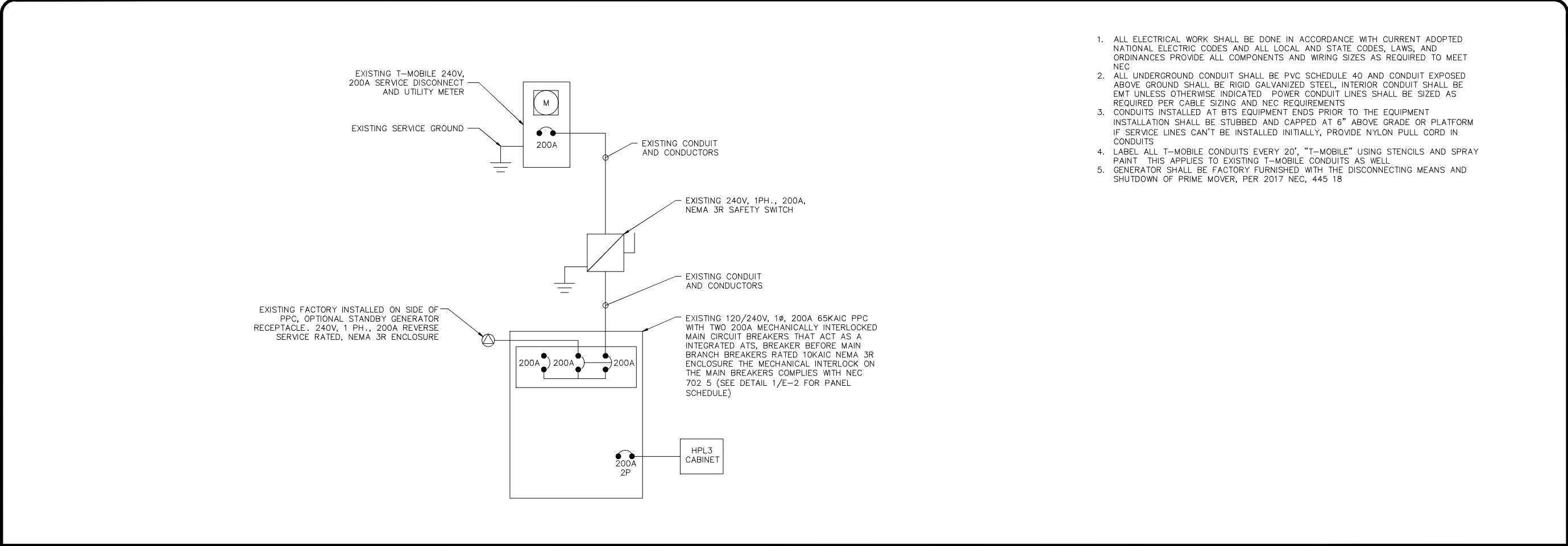
ATS SPECIFICATIONS

SHEET NUMBER:

Q-4.0

REVISION:

0



1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT ADOPTED NATIONAL ELECTRIC CODES AND ALL LOCAL AND STATE CODES, LAWS, AND ORDINANCES PROVIDE ALL COMPONENTS AND WIRING SIZES AS REQUIRED TO MEET NEC
2. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 AND CONDUIT EXPOSED ABOVE GROUND SHALL BE RIGID GALVANIZED STEEL, INTERIOR CONDUIT SHALL BE EMT UNLESS OTHERWISE INDICATED POWER CONDUIT LINES SHALL BE SIZED AS REQUIRED PER CABLE SIZING AND NEC REQUIREMENTS
3. CONDUITS INSTALLED AT BTS EQUIPMENT ENDS PRIOR TO THE EQUIPMENT INSTALLATION SHALL BE STUBBED AND CAPPED AT 6" ABOVE GRADE OR PLATFORM IF SERVICE LINES CAN'T BE INSTALLED INITIALLY, PROVIDE NYLON PULL CORD IN CONDUITS
4. LABEL ALL T-MOBILE CONDUITS EVERY 20', "T-MOBILE" USING STENCILS AND SPRAY PAINT THIS APPLIES TO EXISTING T-MOBILE CONDUITS AS WELL
5. GENERATOR SHALL BE FACTORY FURNISHED WITH THE DISCONNECTING MEANS AND SHUTDOWN OF PRIME MOVER, PER 2017 NEC, 445.18

T-Mobile

19807 NORTH CREEK PARKWAY
BOTHELL, WA 98301

NETWORK CONNEX

5101 THATCHER ROAD
DOWNER'S GROVE, IL 60515

INFINIGY

500 WEST OFFICE CENTER DR. SUITE 150
FORT WASHINGTON, PA 19034

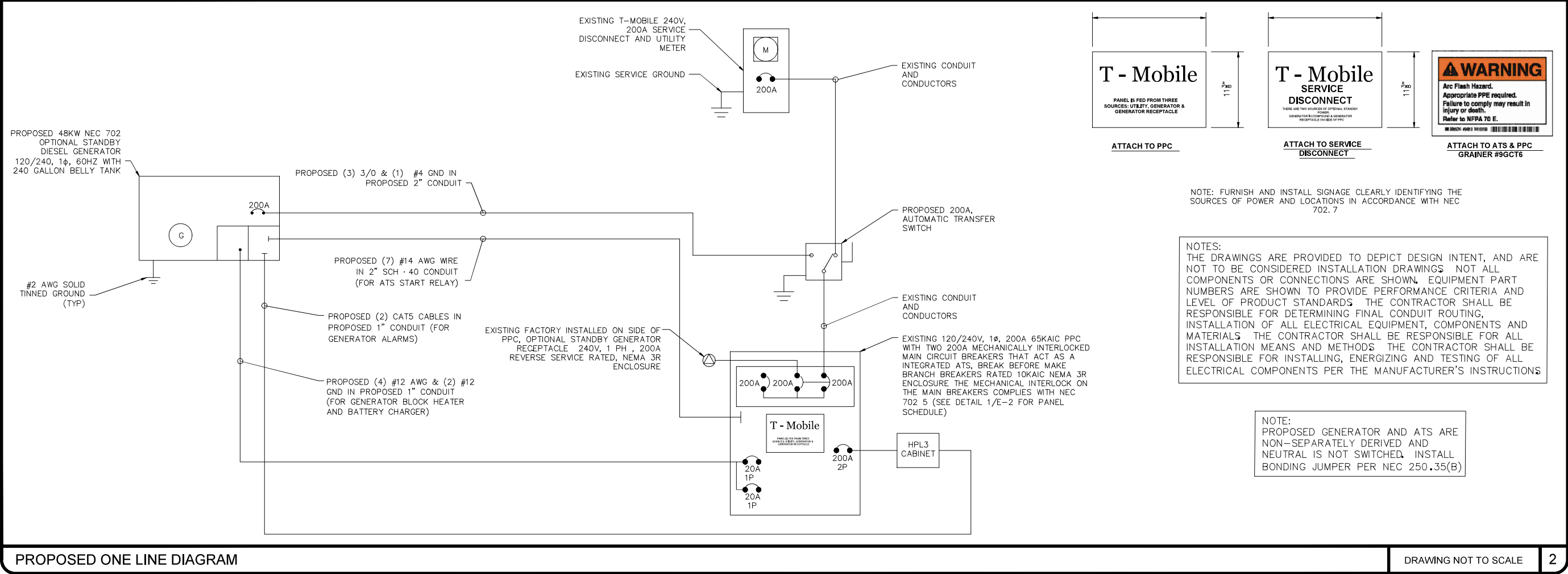
PROJECT:
HARDENING
T-MOBILE SITE NUMBER:
SE04823C
T-MOBILE SITE NAME:
WASHINGTON STATE FAIR / LIGHT POLE

SITE ADDRESS:
902 S. MERIDIAN
PUYALLUP, WA 98371

EXISTING ONE LINE DIAGRAM

DRAWING NOT TO SCALE

1



T - Mobile
110

T - Mobile SERVICE DISCONNECT
110

WARNING
Arc Flash Hazard. Appropriate PPE required. Failure to comply may result in injury or death. Refer to NFPA 70 E.

ATTACH TO PPC

ATTACH TO SERVICE DISCONNECT

ATTACH TO ATS & PPC GRAINER #9GCT6

NOTE: FURNISH AND INSTALL SIGNAGE CLEARLY IDENTIFYING THE SOURCES OF POWER AND LOCATIONS IN ACCORDANCE WITH NEC 702.7

NOTES:
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.

NOTE:
PROPOSED GENERATOR AND ATS ARE NON-SEPARATELY DERIVED AND NEUTRAL IS NOT SWITCHED. INSTALL BONDING JUMPER PER NEC 250.35(B)

SELECT DRAWING TYPE			
REV	DATE	DESCRIPTION	DRAWN
A	04/14/2026	CONST. DRAWINGS - 90%	RCD
0	04/29/2026	CONST. DRAWINGS - S&S	JDY

City of Puyallup
Development & Permitting Services
Building Planning
Engineering Public Works
Fire Traffic

PRCTI20260634

REVIEWED BY: JDY	APPROVED BY: JDY
---------------------	---------------------

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WASHINGTON

ROBERT BALAJAR
UNIVERSITY OF WASHINGTON
4/29/2026
25005645
REGISTERED PROFESSIONAL ENGINEER

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SHEET TITLE:
ONE LINE DIAGRAM

SHEET NUMBER:
E-1.0

REVISION:
0

SYSTEM: 120/240V, 1-PHASE, 3W, 65 KAIC										MOUNTING: SURFACE			
MAIN BREAKER: 200A										NEMA: 3R			
MAIN BUS RATING: 225A										LOCATION: H-FRAME			
VOLT AMPS		DESCRIPTION	POLE	BKR	CKT			CKT	BKR	POLE	DESCRIPTION	VOLT AMPS	
PHASE A	PHASE B					A	B					PHASE A	PHASE B
0		-	-	-	1	●		2	200	2	HPL3 CABINET	5800	
	0	-	-	-	3		●	4					5800
0		-	-	-	5	●		6				5800	
	0	-	-	-	7		●	8					5800
0		-	-	-	9	●		10	-	-	-	0	
	0	-	-	-	11		●	12	-	-	-		0
0		-	-	-	13	●		14	-	-	-	0	
	0	-	-	-	15		●	16	-	-	-		0
0		-	-	-	17	●		18	-	-	-	0	
	0	-	-	-	19		●	20	-	-	-		0
0		-	-	-	21	●		22	-	-	-	0	
	0	-	-	-	23		●	24	-	-	-		0
0		-	-	-	25	●		26	-	-	-	0	
	200	LIGHT/GFCI	1	20	27		●	28	20	1	SPARE		0
180		RECEPTACLE	1	20	29	●		30	20	1	GEN. RECEPTACLE	200	
180	200	VA/LINE										11800	11600
PHASE A = 11980 VA					PHASE B = 11800 VA								
CONNECTED LOAD:					23780 VA								
CONNECTED AMPS:					99.1 A								

SYSTEM: 120/240V, 1-PHASE, 3W, 65 KAIC										MOUNTING: SURFACE								
MAIN BREAKER: 200A										NEMA: 3R								
MAIN BUS RATING: 225A										LOCATION: H-FRAME								
VOLT AMPS		DESCRIPTION	POLE	BKR	CKT			CKT	BKR	POLE	DESCRIPTION	VOLT AMPS						
PHASE	PHASE					A	B					PHASE	PHASE					
A	B											A	B					
0		-	-	-	1	●		2	200	2	HPL3 CABINET	5800						
	0	-	-	-	3		●	4					5800					
0		-	-	-	5	●		6				5800						
	0	-	-	-	7		●	8					5800					
0		-	-	-	9	●		10	-	-	-	0						
	0	-	-	-	11		●	12	-	-	-		0					
0		-	-	-	13	●		14	-	-	-	0						
	0	-	-	-	15		●	16	-	-	-		0					
0		-	-	-	17	●		18	-	-	-	0						
	0	-	-	-	19		●	20	-	-	-		0					
0		-	-	-	21	●		22	-	-	-	0						
	0	-	-	-	23		●	24	20	1	GEN. BLOCK HEATER		1500					
0		-	-	-	25	●		26	20	1	GEN. BATT. CHARGER	300						
	200	LIGHT/GFCI	1	20	27		●	28	20	1	SPARE		0					
180		RECEPTACLE	1	20	29	●		30	20	1	GEN. RECEPTACLE	200						
180	200	VA/LINE										12100	13100					
PHASE A =					12280 VA					PHASE B =					13300 VA			
CONNECTED LOAD:														25580 VA				
CONNECTED AMPS:														106.6 A				



19807 NORTH CREEK PARKWAY
BOTHELL, WA 99301



5101 THATCHER ROAD
DOWNER'S GROVE, IL 60515



500 WEST OFFICE CENTER DR. SUITE 150
FORT WASHINGTON, PA 19034

PROJECT:
HARDENING

T-MOBILE SITE NUMBER:
SE04823C

T-MOBILE SITE NAME:
WASHINGTON STATE FAIR / LIGHT POLE

SITE ADDRESS:
902 S. MERIDIAN
PUYALLUP, WA 98371

SELECT DRAWING TYPE

REV	DATE	DESCRIPTION	DRAWN
A	04/14/2026	CONST. DRAWINGS - 90%	RCD
0	04/29/2026	CONST. DRAWINGS - S&S	JDY

City of Puyallup
Development & Permitting Services
Building Planning
Engineering Public Works
Fire Traffic

PRCTI20260634

REVIEWED BY:
JDY

APPROVED BY:
JDY

1 I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WASHINGTON



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SHEET TITLE:
PANEL SCHEDULE

SHEET NUMBER:
E-2.0

REVISION:
0

EXISTING PANEL SCHEDULE

DRAWING NOT TO SCALE

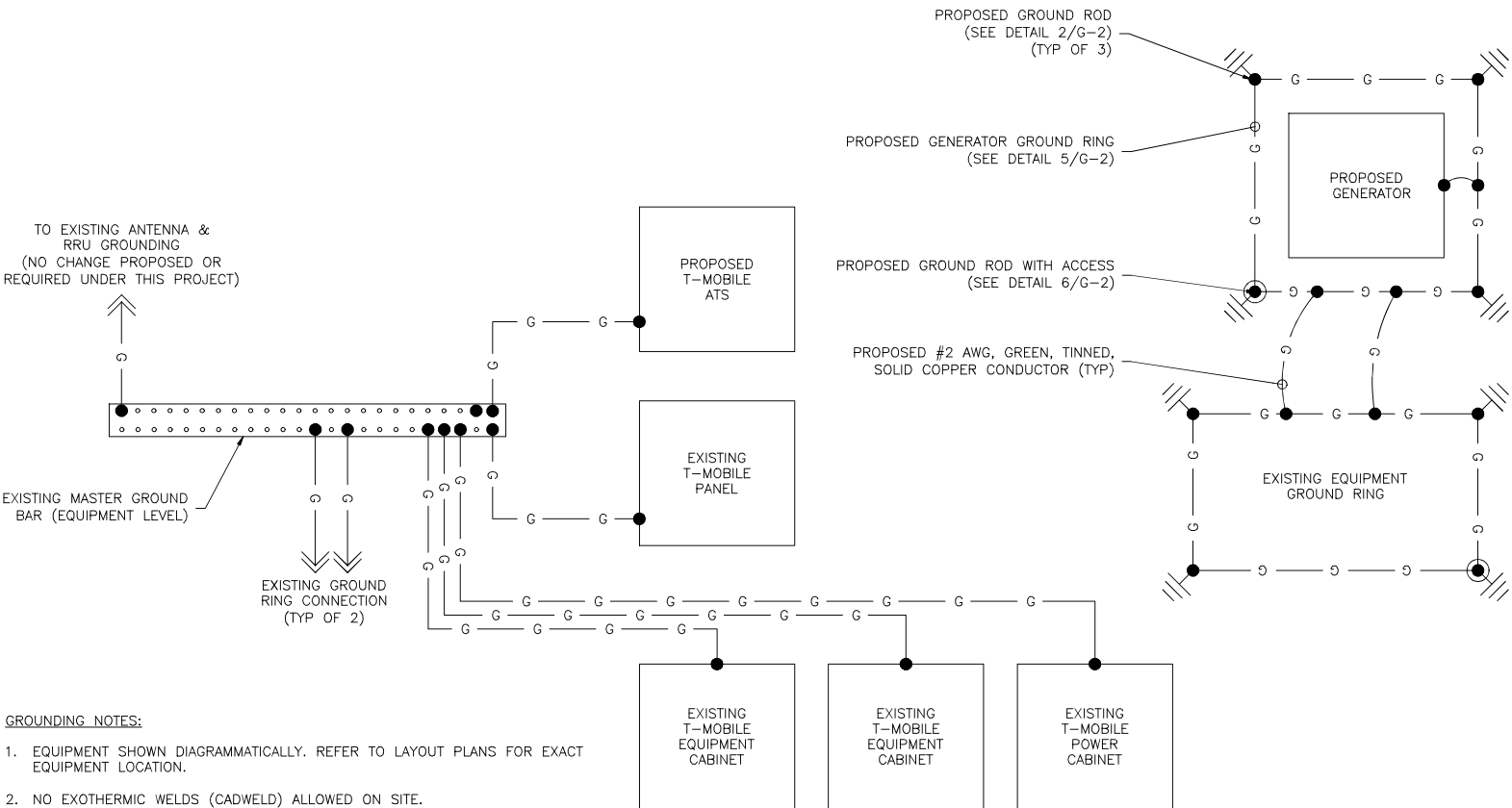
1

PROPOSED PANEL SCHEDULE

DRAWING NOT TO SCALE

2

I:\PROJECTS\T-MOBILE\WASHINGTON\SE04823C - WASHINGTON STATE FAIR\01 - SE04823C - NETCON - HARDENING - [ACTIVE]\04 - DRAWINGS\03 - CONSTRUCTION DRAWINGS\REV 0\TMO_NETCON_SE04823C_HARDENING_FCD_REV 0_2026.04.29.DWG - 2026-04-29 - DennisYoshii



GROUNDING NOTES:

- EQUIPMENT SHOWN DIAGRAMMATICALLY. REFER TO LAYOUT PLANS FOR EXACT EQUIPMENT LOCATION.
- NO EXOTHERMIC WELDS (CADWELD) ALLOWED ON SITE.
- GROUND CABLES SHALL BE #2 AWG, GREEN, TINNED, SOLID COPPER CONDUCTORS UNLESS OTHERWISE NOTED.

GROUNDING NOTES

- ALL GROUNDING SYSTEM CONDUCTORS AND CONNECTIONS BELOW GRADE SHALL BE THERMAL WELDS AT GROUND RODS AND AT A MINIMUM OF 3/6" BELOW GRADE.
- ALL INSTALLATIONS SHALL BE FIELD VERIFIED.
- ALL GROUND WIRE SHALL BE #2 AWG BARE COPPER TINNED UNLESS NOTED OTHERWISE.
- 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.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF GROUND RODS AND GROUND RING WITH FOUNDATION AND UNDERGROUND CONDUIT.
- EACH EQUIPMENT CABINET SHALL BE CONNECTED WITH (2) #2 AWG INSULATED SOLID TINNED COPPER WIRE TO GROUND BAR. EQUIPMENT CABINETS SHALL EACH HAVE (2) CONNECTIONS.
- ANTENNA GROUND KITS SHALL BE FURNISHED BY T-MOBILE AND INSTALLED BY ELECTRICAL CONTRACTOR.
- KOPR-SHIELD ANTI-OXIDATION COMPOUND SHALL BE USED ON ALL GROUNDING CONNECTIONS.
- 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.
- GROUNDING WIRE SHALL NOT BE INSTALLED OR ROUTED THROUGH HOLES IN ANY METAL OBJECTS OR SUPPORTS TO PRECLUDE ESTABLISHING A "CHOKE" POINT.
- 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.
- STANDARD BUS BARS (CIGBE AND MIGB) SHALL BE FURNISHED AND INSTALLED. THEY SHALL NOT BE FABRICATED OR MODIFIED IN THE FIELD.
- THE GROUNDING CONNECTION TO THE POWER AND TELCO SECTIONS OF THE PPC SHALL BE MADE BY CONNECTING A CONDUCTOR FROM THE GROUND RING TO THE FACTORY FURNISHED BUS BAR IN EACH COMPARTMENT.
- THE CONTRACTOR SHALL SUPPLY T-MOBILE WITH RESULTS FROM PRE-CONSTRUCTION (CO-LO ONLY) AND POST-CONSTRUCTION OHM TESTING (GROUND) RESULTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A "FALL OF POTENTIAL" TEST ON THE NEW SUPPLEMENTAL GROUND FIELD PRIOR TO FINAL CONNECTION OF THE GROUNDING SYSTEM TO EQUIPMENT. THE TEST SHALL BE PERFORMED BY A QUALIFIED AND CERTIFIED TESTING AGENT. PROVIDE INDEPENDENT TEST RESULTS TO THE PROJECT MANAGER FOR REVIEW. THE GROUND SYSTEM RESISTANCE TO EARTH GROUND SHALL NOT EXCEED FIVE (5) OHMS. IF THE GROUND TEST EXCEEDS THE MAXIMUM OF 5 OHMS, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADDITIONAL GROUND CONNECTIONS AS REQUIRED TO MEET THE 5 OHMS MAXIMUM.

GROUND ROD NOTES

- ALL GROUND RODS SHALL HAVE A MINIMUM 8'-0" LENGTH OF CONTACT WITH THE SOIL.
- ALL GROUND RODS SHALL HAVE A MINIMUM OF 6'-0" SPACING BETWEEN RODS.
- ALL GROUND RODS SHALL BE INSTALLED SUCH THAT AT LEAST 8 FT OF LENGTH IS IN CONTACT WITH THE SOIL. IT SHALL BE DRIVEN TO A DEPTH OF NOT LESS THAN 8 FT EXCEPT THAT, WHERE ROCK BOTTOM IS ENCOUNTERED, THE ELECTRODE SHALL BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES FROM THE VERTICAL OR, WHERE ROCK BOTTOM IS ENCOUNTERED AT AN ANGLE UP TO 45 DEGREES, THE ELECTRODE SHALL BE PERMITTED TO BE BURIED IN A TRENCH THAT IS AT LEAST 30 IN. DEEP.

GROUNDING SYMBOLS

- PROPOSED #2 AWG, GREEN, INSULATED, SOLID COPPER CONDUCTOR
- PROPOSED GROUND BAR
- PROPOSED MECHANICAL GROUNDING CONNECTION
- ⏏ PROPOSED 5/8"Ø x 8'-0" GROUND ROD
- ⏏ PROPOSED 5/8"Ø x 8'-0" GROUND ROD WITH ACCESS



19807 NORTH CREEK PARKWAY
BOTHELL, WA 99301



5101 THATCHER ROAD
DOWNER'S GROVE, IL 60515



500 WEST OFFICE CENTER DR. SUITE 150
FORT WASHINGTON, PA 19034

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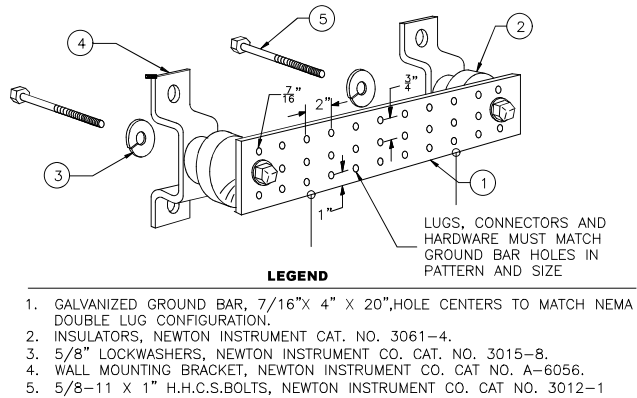
GROUNDING
DIAGRAM & NOTES

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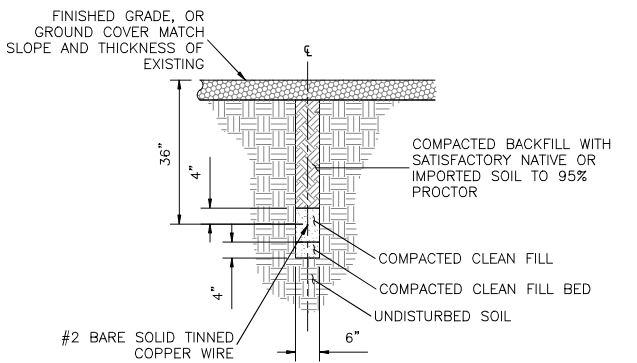
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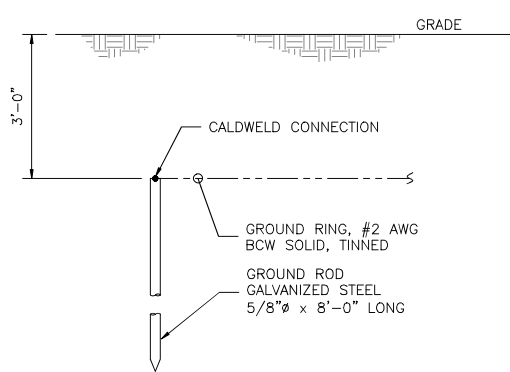
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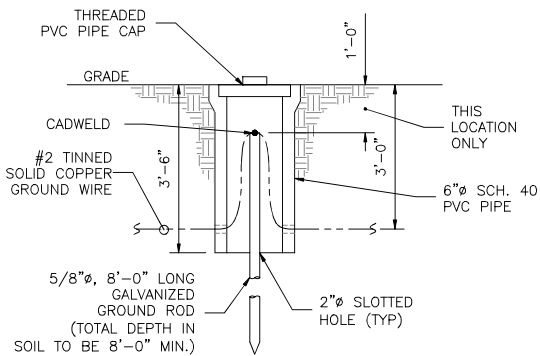
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G-2.0
GROUND BAR DETAIL
SCALE: NOT TO SCALE



5
G-2.0
GROUND TRENCH DETAIL
SCALE: NOT TO SCALE



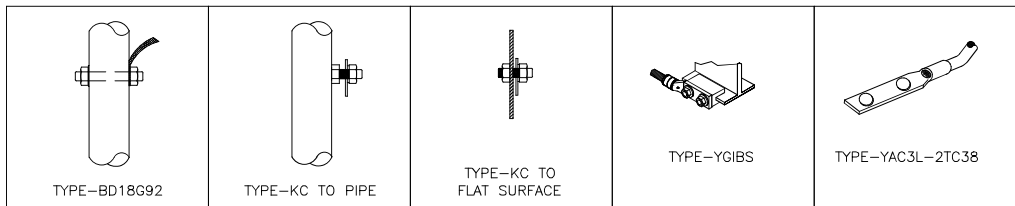
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GROUND ROD DETAIL
SCALE: NOT TO SCALE



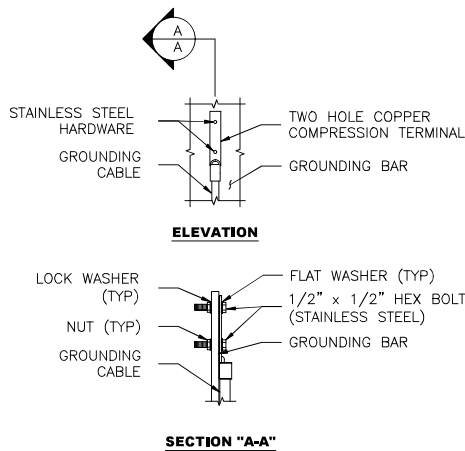
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G-2.0
GROUND ROD WITH ACCESS DETAIL
SCALE: NOT TO SCALE

TERMINATION TYPES: A. MECHANICAL COMPRESSION LUG B. DOUBLE BARREL COMPRESSION CONNECTOR C. EXOTHERMIC TERMINATION D. BEAM CLAMP	SOLID #2 TINNED COPPER	#6 GROUND LEAD	#2/0 SOLID GROUNDING ELECTRODE CONDUCTOR	MASTER GROUND BAR	STRUCTURAL OR TOWER STEEL	BLDG SERVICE ENTR OR GROUND RING	GROUND ROD
SOLID #2 TINNED COPPER	B OR C	B OR C		C	A, C, OR D		C
#6 GROUND LEAD	B OR C			A	A, C, OR D		
#2/0 SOLID GROUNDING ELECTRODE CONDUCTOR				A	A, C, OR D	A	
MASTER GROUND BAR	C	A	A				
STRUCTURAL OR TOWER STEEL	A, C, OR D	A, C, OR D	A, C, OR D				
GROUND RING	C		C				C

7
G-2.0
GROUNDING TERMINATION MATRIX
SCALE: NOT TO SCALE



8
G-2.0
BURNDY GROUNDING DETAILS
SCALE: NOT TO SCALE

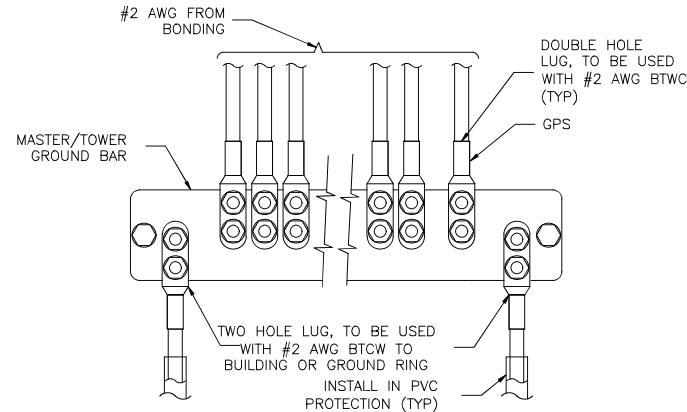


- NOTES:
- "DOUBLING UP" OR "STACKING" OF CONNECTIONS IS NOT PERMITTED.
 - OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.
 - EXPOSED BARE COPPER TO BE KEPT TO ABSOLUTE MINIMUM, NO INSULATION ALLOWED WITHIN THE COMPRESSION TERMINAL (TYP)

3
G-2.0
GROUND BAR CONNECTION DETAIL
SCALE: NOT TO SCALE

GROUND BAR NOTE

ALL GROUND LEVEL GROUND BARS TO BE GALVANIZED STEEL (NO COPPER)



4
G-2.0
GROUNDING @ GROUND BAR DETAIL
SCALE: NOT TO SCALE

 TYPE YGHR58C2W-3 COMPRESSION GROUND TAP CONNECTOR	 TYPE YGHP58C2W-2 COMPRESSION GROUND TAP CONNECTOR	 TYPE GSTUD-HY CABLE TO ROD TO STEEL	 TYPE YGHC-C CABLE TO CABLE	 TYPE GAR-BU & GAR3902 CABLE TO PIPE
 TYPE YGHC-C APPLICATION	 TYPE GSTUD-HY APPLICATION	 TYPE GAR-BU APPLICATION	 TYPE BRG BRAID FLEXIBLE SPLICE	

9
G-2.0
BURNDY GROUNDING PRODUCTS
SCALE: NOT TO SCALE

 TYPE TA	 TYPE VN	 TYPE NC	 TYPE SS	 TYPE WV	 TYPE VS
 TYPE VB	 TYPE PT	 TYPE GT	 TYPE GY	 TYPE GR	 TYPE GL

10
G-2.0
CADWELD DETAILS
SCALE: NOT TO SCALE

T-Mobile

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NETWORK
CONNEX

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INFINIGY

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GROUNDING DETAILS

SHEET NUMBER:

G-2.0

REVISION:

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