



# DN03486D

CS\_CUCHARS\_RANCH

APPROVAL SIGNATURE BLOCK		
<p>The following parties have reviewed these documents.</p> <p>All documents are subject to review by the local zoning/building departments and may impose changes or modifications.</p>		
_____	_____	<input type="checkbox"/> Approved <input type="checkbox"/> Rejected
Project Manager (Print)	Project Manager	_____
		Date
_____	_____	<input type="checkbox"/> Approved <input type="checkbox"/> Rejected
RF Engineer (Print)	RF Engineer	_____
		Date
_____	_____	<input type="checkbox"/> Approved <input type="checkbox"/> Rejected
Site Acquisition (Print)	Site Acquisition	_____
		Date
_____	_____	<input type="checkbox"/> Approved <input type="checkbox"/> Rejected
Construction Manager (Print)	Construction Manager	_____
		Date
_____	_____	<input type="checkbox"/> Approved <input type="checkbox"/> Rejected
TMO Quality Assurance (Print)	TMO Quality Assurance	_____
		Date

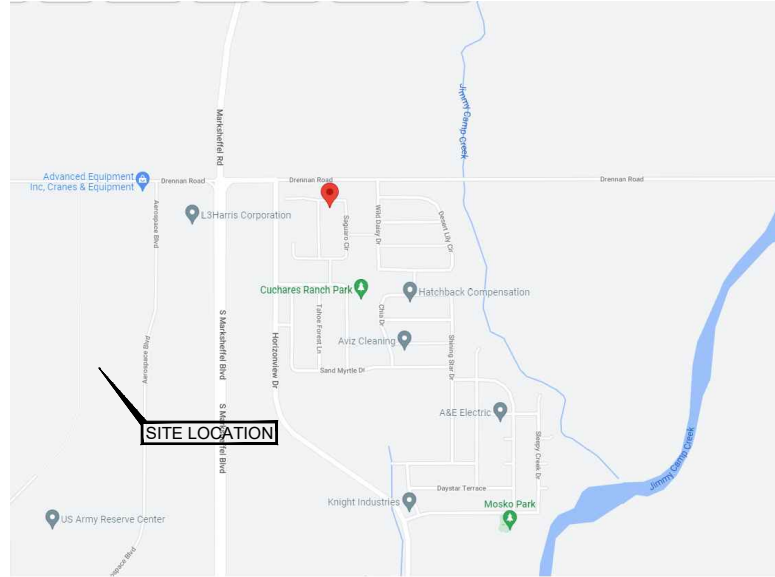


**CS\_CUCHARES\_RANCH GENERATOR ADD**  
**DN03486D BU#: 823518**  
 9285 DRENNEN ROAD  
 COLORADO SPRINGS, CO 80925  
 LATITUDE: 38°46'48.55" N  
 LONGITUDE: 104°39'20.17" W



PROJECT INFORMATION:  
**SITE NAME:**  
 CS\_CUCHARES\_RANCH  
**SITE ID:**  
 DN03486D  
**BU#:** 823518  
 9285 DRENNEN ROAD  
 COLORADO SPRINGS, CO 80925  
 EL PASO COUNTY

**VICINITY MAP**



**SCOPE OF WORK**

MODIFICATION OF AN EXISTING "NON-INHABITABLE" T-MOBILE TELECOMMUNICATIONS SITE:  
 -INSTALL (1) RD048 DIESEL GENERATOR  
 -INSTALL (N) CONCRETE PAD  
 -INSTALL (N) AUTOMATIC TRANSFER SWITCH  
 -ADD REQUIRED LEASE AREA (40 S.F.)

**SITE INFORMATION**

**SITE TYPE:** STRUCTURE NON-BUILDING  
**SITE NAME:** CS\_CUCHARES\_RANCH  
**SITE NUMBER:** DN03486D  
**SITE ADDRESS:** 9285 DRENNEN ROAD, COLORADO SPRINGS, CO 80925  
**JURISDICTION:** EL PASO COUNTY  
**PARCEL NUMBER:** 55031-19-017

**PROJECT CONTACTS**

**SITE CONTACT:**  
 CROWN CASTLE  
 1 CITY PLACE, SUITE 490  
 ST. LOUIS, MO 63141  
 AMANDA MCBRIDE, ASSOCIATE PROJECT MANAGER  
 314.513.0141

**APPLICANT:**  
 T-MOBILE WEST LLC  
 990 SOUTH BROADWAY  
 DENVER, CO 80209  
 303.313.6923

**T-MOBILE PROJECT MANAGEMENT**  
 BRETT PFLEGER  
 990 SOUTH BROADWAY  
 DENVER, CO 80209  
 BRETT.2.PFLEGER@T-MOBILE.COM

**T-MOBILE CONSTRUCTION MANAGER**  
 JEREMY NAUGLE  
 18400 E 22ND AVE  
 AURORA, CO 80011  
 303.882.6792

**SITE ACQUISITION:**  
 WYCO LAND SERVICES  
 6335 DOWNING ST.  
 DENVER, CO 80216  
 ANNIE MACKIEWICZ  
 303.601.7241

**A&E ENGINEERING MANAGER**  
 WYCO ENGINEERING SERVICES  
 6335 DOWNING ST.  
 DENVER, CO 80216  
 TYLER NICHOLLS  
 720.855.5925

**ENGINEER**  
 TIM ALEXANDER, PE  
 602.403.8368  
 TIMALEXANDER@HOTMAIL.COM

**DRAWING INDEX**

T1	TITLE SHEET
A1	OVERALL SITE PLAN
A2	ENLARGED SITE PLAN
A3	EQUIPMENT PLAN
A4	SITE DETAILS
A5.1	EQUIPMENT DETAILS
A5.2	EQUIPMENT DETAILS
A6	EQUIPMENT DETAILS
GN1	GENERAL NOTES
GN2	GENERATOR NOTES

REV:	DATE:	DESCRIPTION:	BY:
A	04-11-22	PRELIMINARY	CBM

**SITE PHOTO**



**CODE COMPLIANCE**

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS 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.  
**GOVERNING CODES, AS APPLICABLE:** 2015 IBC, 2015 IFC, 2015 IMC, 2015 IECC, 2014 NEC  
**A.D.A. COMPLIANCE:** NOT REQUIRED PER IBC 1103.2.9.

**GENERAL CONSTRUCTION NOTES**

1. THE FACILITY IS AN UNOCCUPIED WIRELESS FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL RECEIVE, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
5. CONTRACTOR SHALL CONTACT LOCAL DIGGERS HOTLINE 48 HOURS PRIOR TO PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
6. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
7. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.

Please include:  
 -legal description of the property (can be found on assessor website)  
 -lot/parcel size

**DRIVING DIRECTIONS**

FROM 990 SOUTH BROADWAY DENVER, CO: GET ON I-25 S. FOLLOW I-25 S TO BRADLEY RD IN SECURITY-WIDEFIELD. CONTINUE ON BRADLEY RD. TAKE S MARKSHEFFEL BLVD TO SAGUARO CIR. WIDEFIELD SCHOOL DISTRICT 3 COLORADO, USA



LICENSURE NO:  
 ALL SCALES ARE SET FOR 11"x17" SHEET

DRAWN BY:	CHK BY:	APV BY:
CBM	TJN	TA

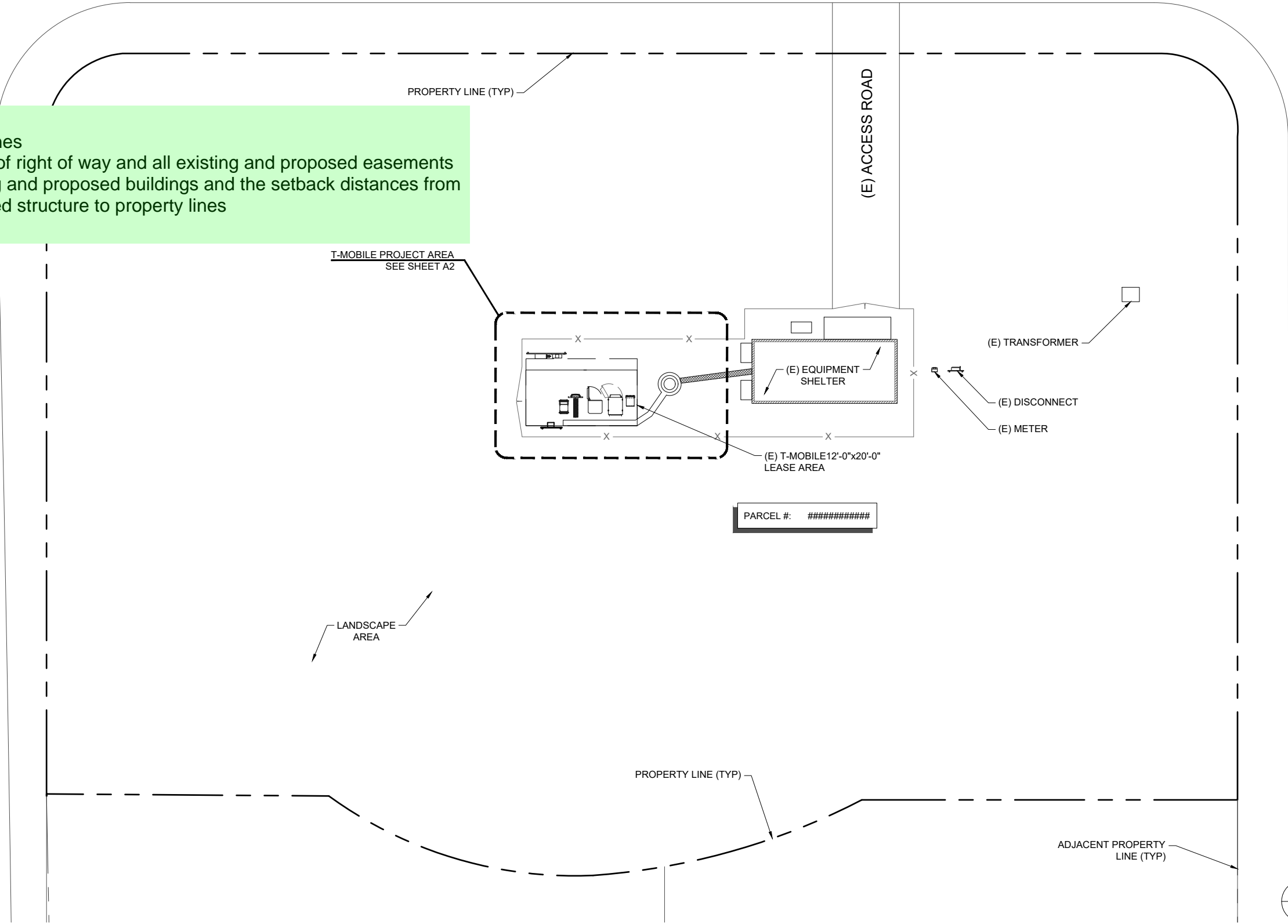
SHEET TITLE:  
**TITLE SHEET**

SHEET NUMBER:  
**T1**

SAGUARO CIRCLE

Please include:  
 -dimensions of property lines  
 -location and dimensions of right of way and all existing and proposed easements  
 -the footprint of all existing and proposed buildings and the setback distances from each existing and proposed structure to property lines

DESSERT WILLOW LANE



PROJECT INFORMATION:  
 SITE NAME:  
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 SITE ID:  
**DN03486D**  
 BU#: 823518  
 9285 DRENNEN ROAD  
 COLORADO SPRINGS, CO 80925  
 EL PASO COUNTY

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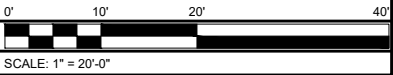
PLANS PREPARED BY:  
  
 here quality still counts.  
 6335 DOWNING ST.  
 DENVER, CO 80216  
 WYCOFS.COM

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CBM	TJN	TA

SHEET TITLE:  
**OVERALL SITE PLAN**

SHEET NUMBER:  
**A1**

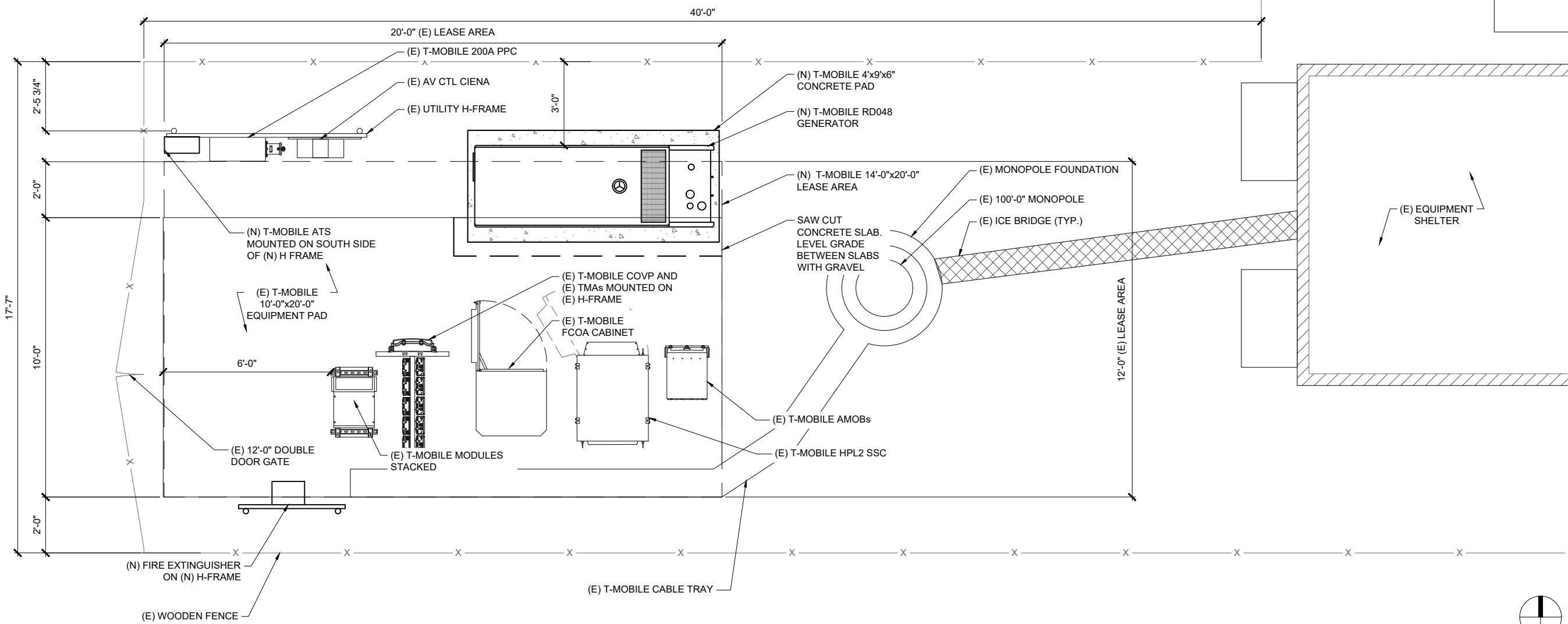




2 LEASE AREA PHOTO

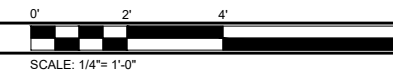
N.T.S.

NOTE:  
ACTUAL GROUND SURVEY WAS NOT PERFORMED FOR THIS SITE. THE SITE PLAN WAS DERIVED FROM PROVIDED DRAWINGS AND PHOTOS, GIS DATA, AND AERIAL IMAGES.



1 ENLARGED SITE PLAN

SCALE: AS NOTED



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 WYCOFS.COM

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CBM	TJN	TA

SHEET TITLE:  
**ENLARGED SITE PLAN**

SHEET NUMBER:  
**A2**

PROJECT INFORMATION:

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CS\_CUCHARS\_RANCH  
SITE ID:  
DN03486D  
BU#: 823518  
9285 DRENNEN ROAD  
COLORADO SPRINGS, CO 80925  
EL PASO COUNTY

REV:	DATE:	DESCRIPTION:	BY:
A	04-11-22	PRELIMINARY	CBM

PLANS PREPARED BY:

**WYCO**  
**FIELD SERVICES**  
*here quality still counts.*  
6335 DOWNING ST.  
DENVER, CO 80216  
WYCOFS.COM

LICENSURE NO:

ALL SCALES ARE SET FOR 11"x17" SHEET

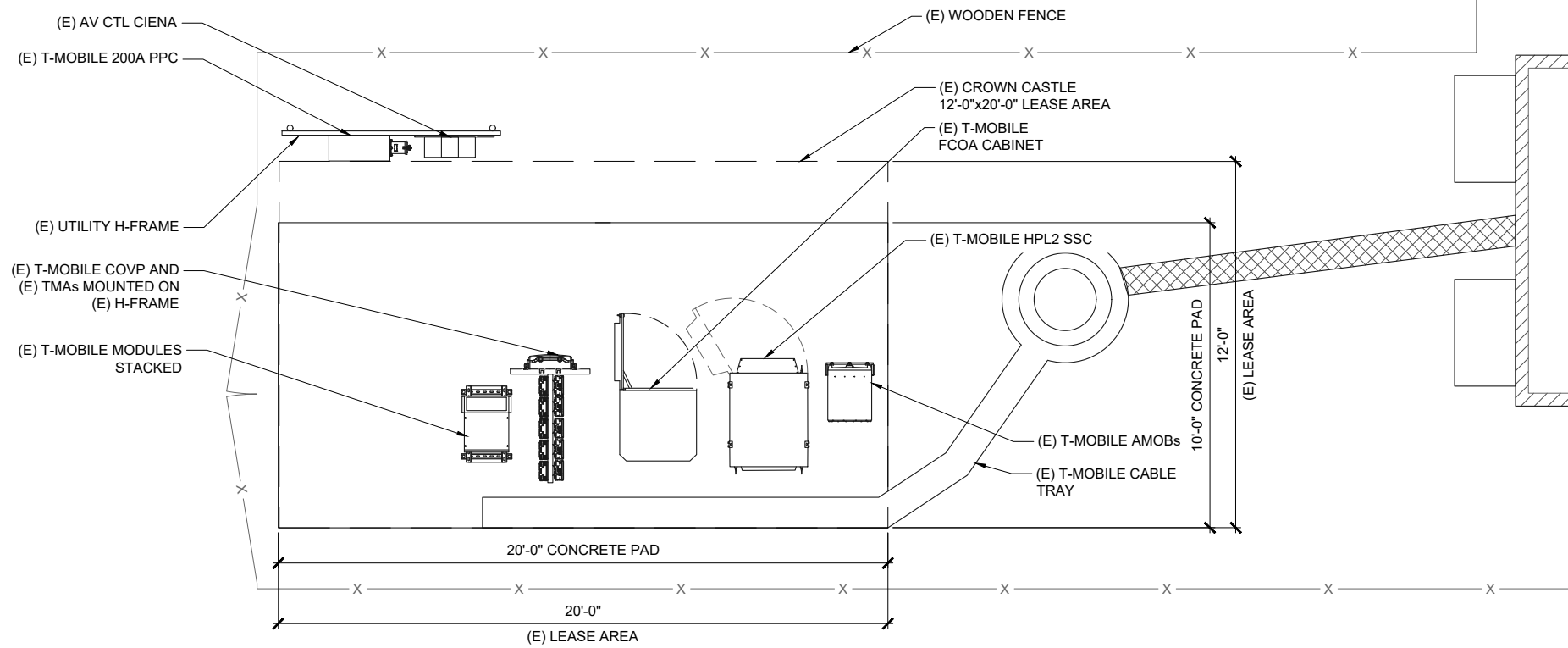
DRAWN BY:	CHK BY:	APV BY:
CBM	TJN	TA

SHEET TITLE:

**EQUIPMENT PLAN**

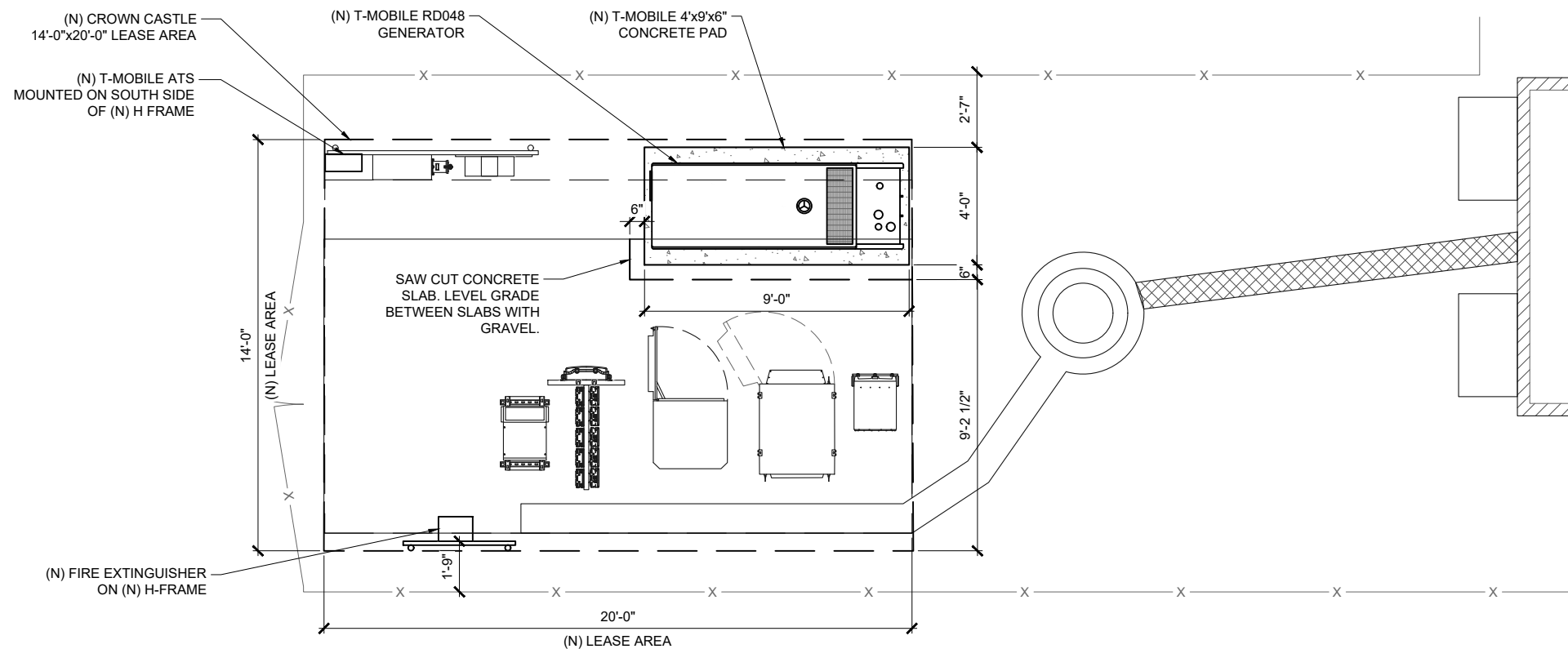
SHEET NUMBER:

**A3**



**1 EXISTING EQUIPMENT PLAN**

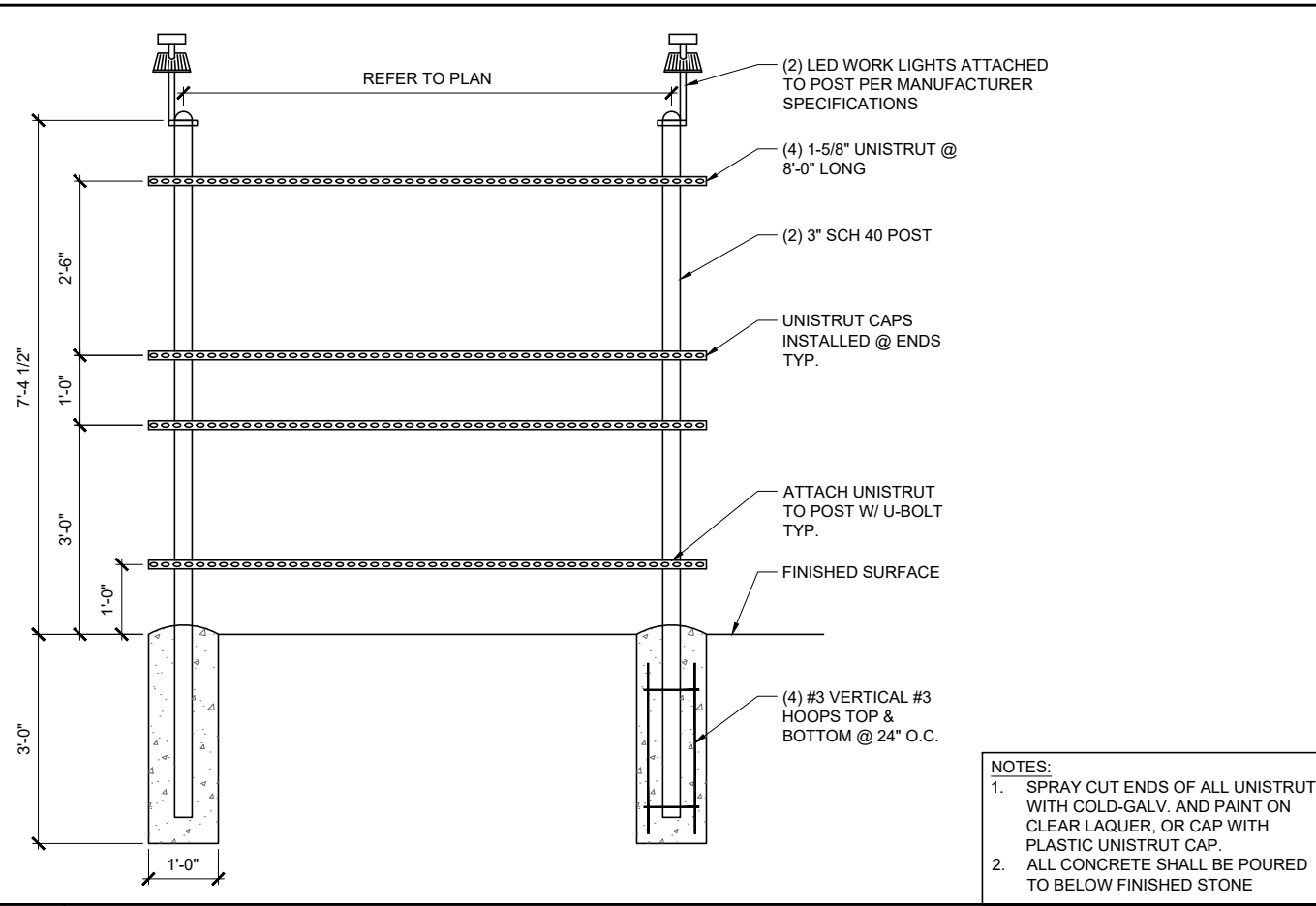
SCALE: AS NOTED



**2 PROPOSED EQUIPMENT PLAN**

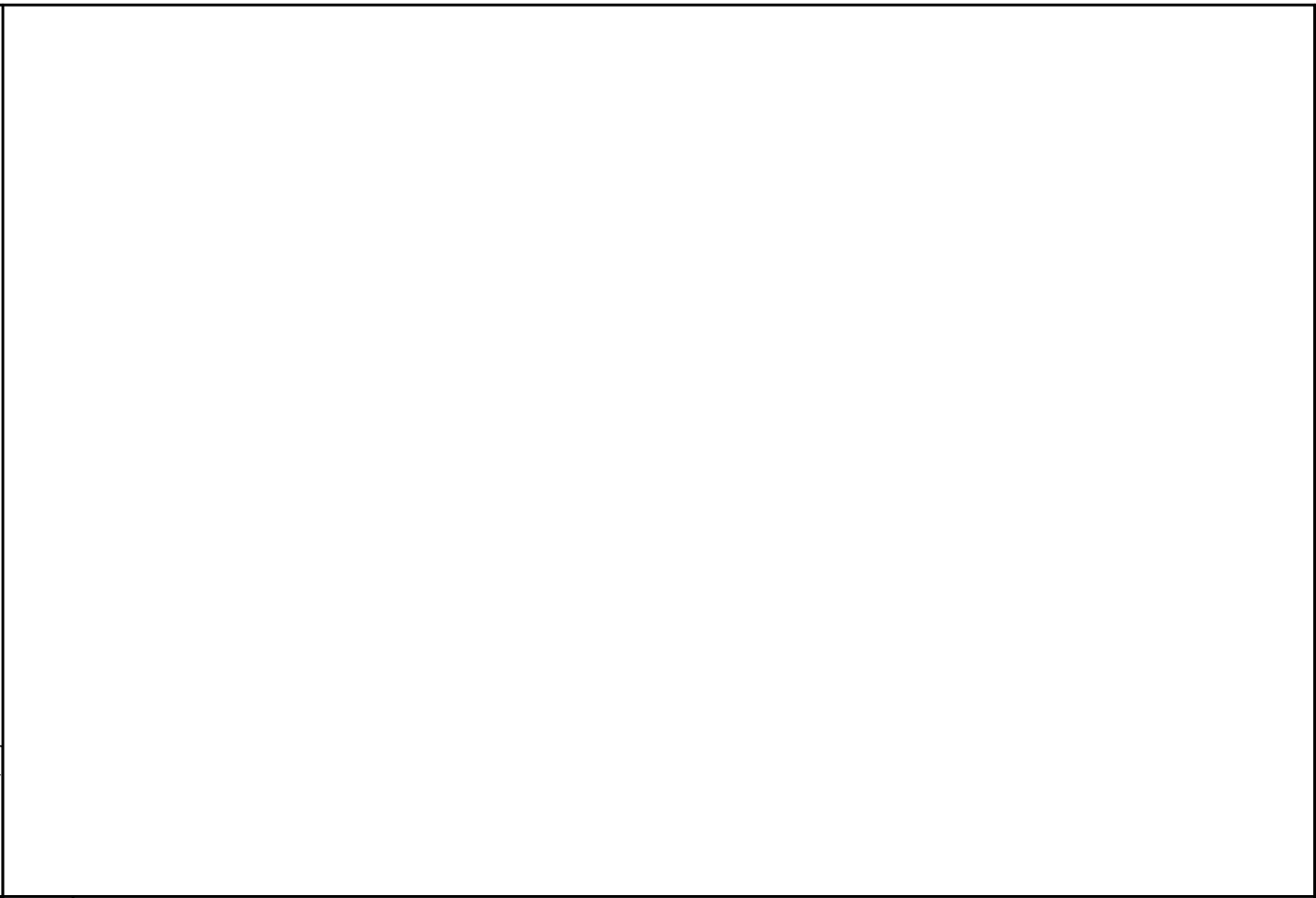
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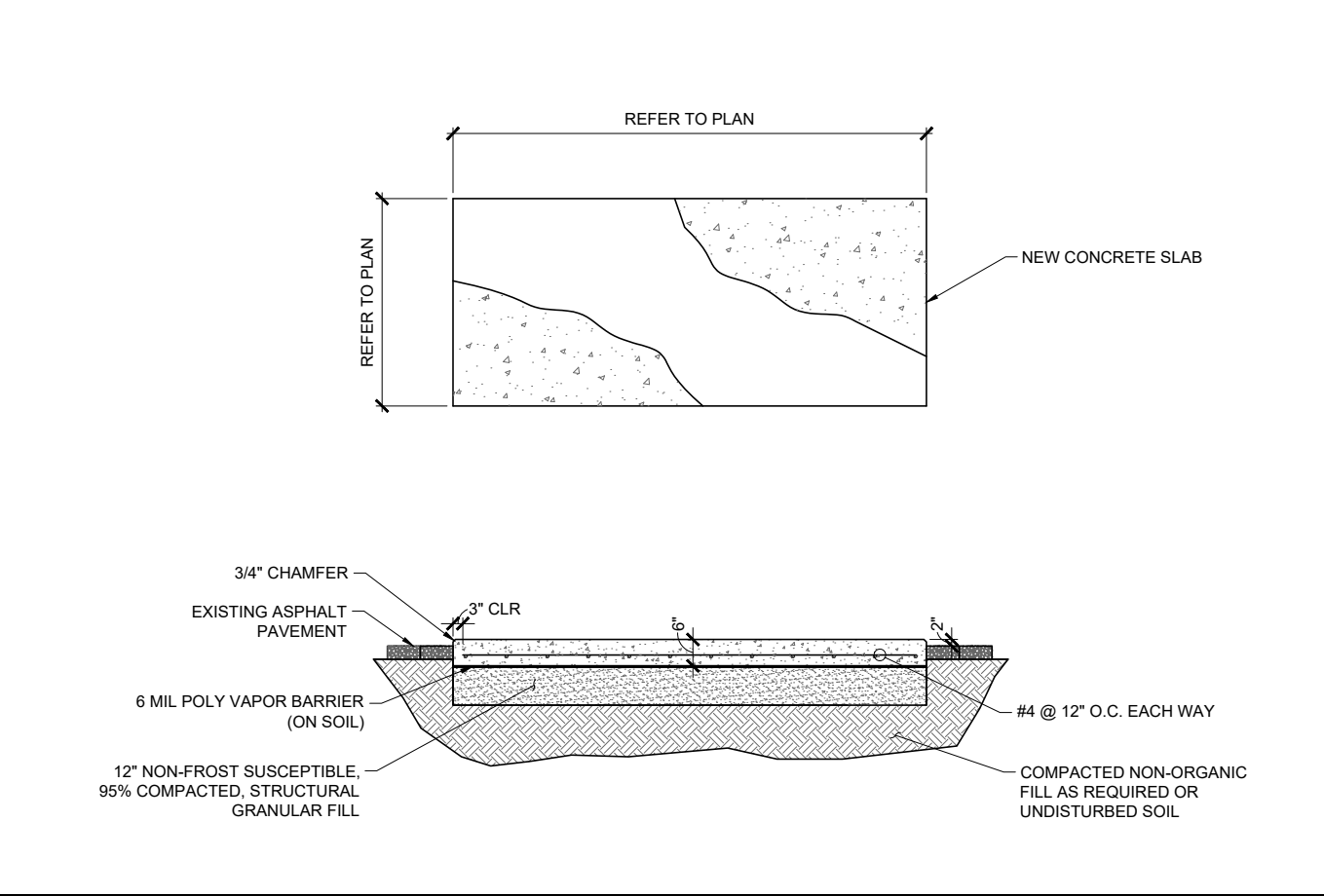
1 UTILITY H-FRAME

N.T.S.



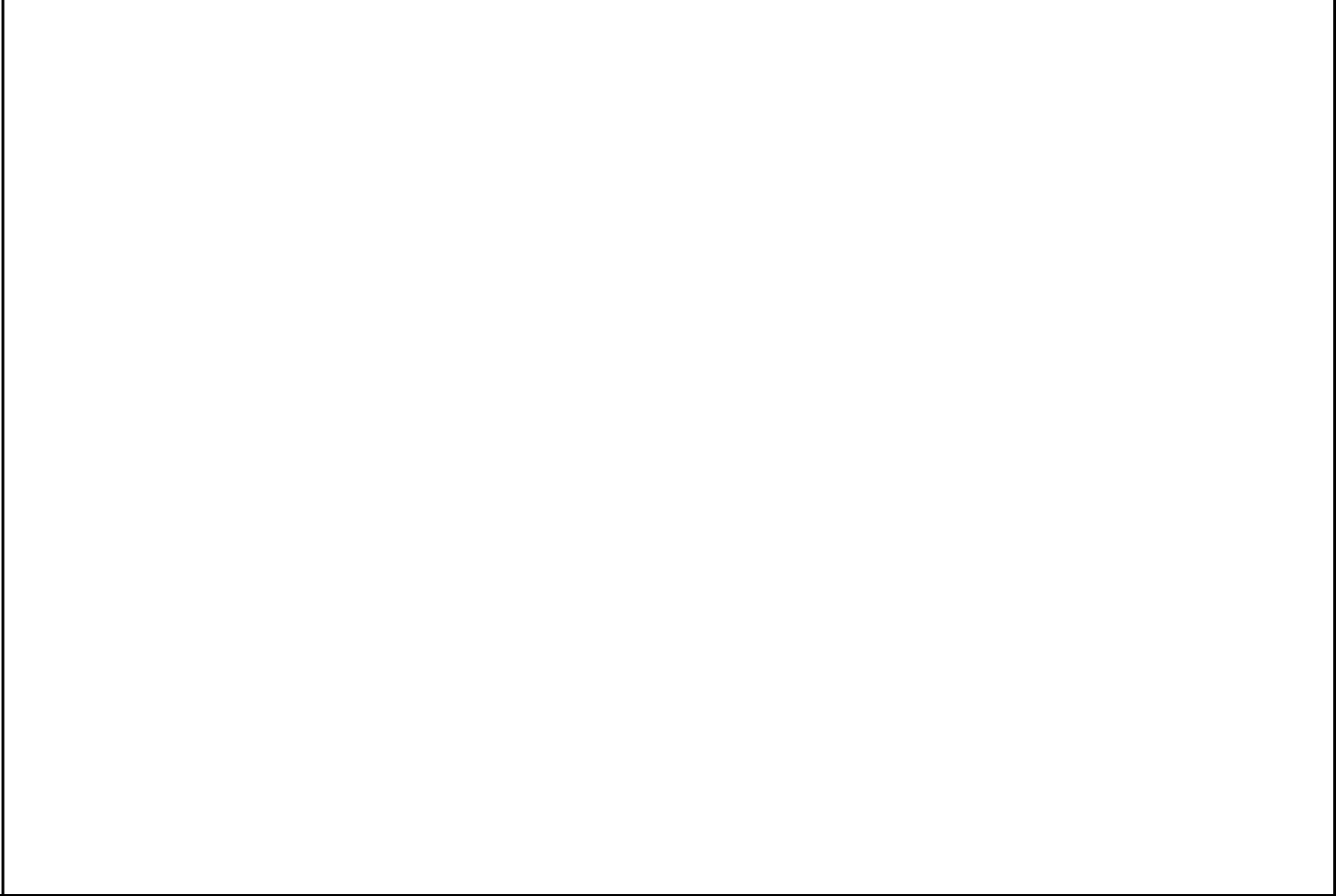
2 NOT USED

SCALE: N.T.S.



3 CONCRETE PAD

N.T.S.



4 NOT USED

SCALE: N.T.S.



990 SOUTH BROADWAY DENVER, CO 80209

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CS\_CUCHARS\_RANCH

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DN03486D

BU#: 823518

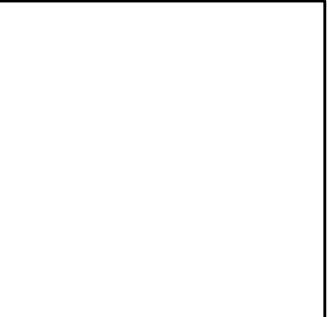
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LICENSURE NO:



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SHEET TITLE:

SITE DETAILS

SHEET NUMBER:

A4

PROJECT INFORMATION:

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REV	DATE	DESCRIPTION	BY
A	04-11-22	PRELIMINARY	CBM

PLANS PREPARED BY:



LICENSURE NO:

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CBM	TJN	TA

SHEET TITLE:

**EQUIPMENT  
 DETAILS**

SHEET NUMBER:

**A5.1**

MANUFACTURER:	GENERAC
MODEL NUMBER:	RD048
TYPE:	48kW DIESEL
POWER RATING:	120/240VAC, 1Ø
BREAKER SIZE:	200A/2P
UL142 BASE TANK SIZE (USABLE):	210 GAL
REMOTE FUEL ALARM BOX:	GENERAC PART# OF2908*

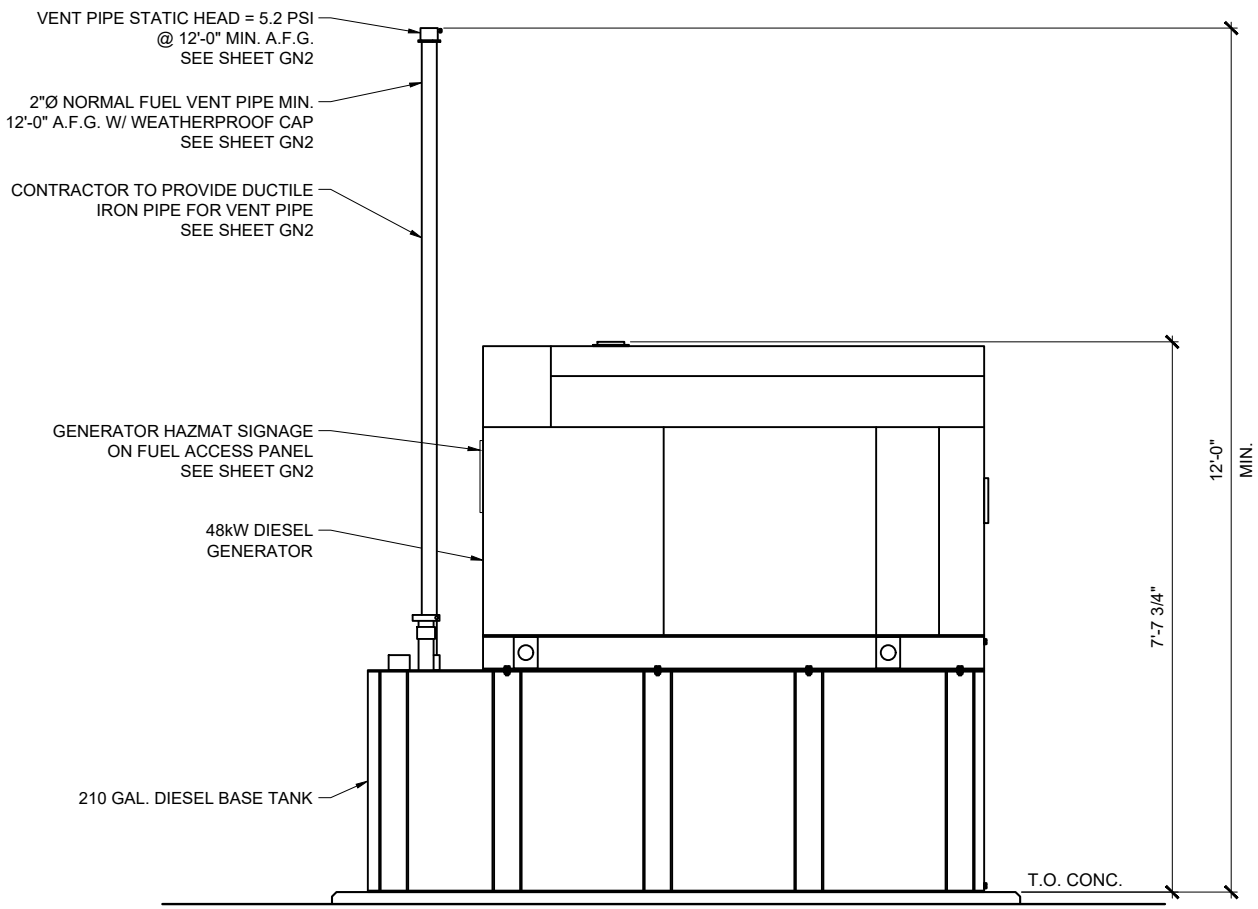
\*PARTS MAY VARY PER MANUFACTURER (GC TO VERIFY)  
 NOTE: REFER TO SHEET GN2 FOR ADDITIONAL GENERATOR INFORMATION

VENT EXTENSION: BILL OF MATERIALS	
2	10' LENGTHS OF SCH 40 STEEL
1	SHORT 2" FEMALE NIPPLE STEEL (FOR VENT CAP)

CONTRACTOR TO PROVIDE THE FOLLOWING:  
 • SIGNAGE  
 • TANK VENTILATION  
 • FIRE EXTINGUISHER  
 • SPILL CONTAINER KIT  
 REFER TO GN2 FOR SPECIFIC REQUIREMENTS

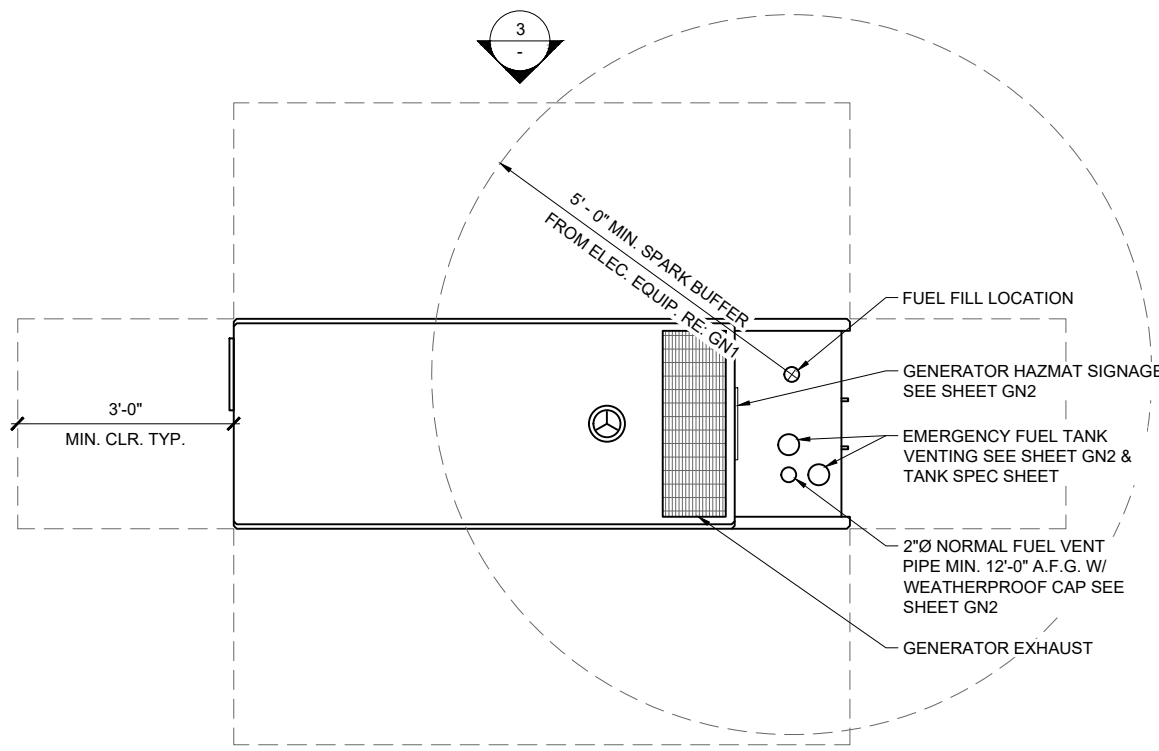
**2 GENERATOR PART SPECIFICATION**

SCALE: N.T.S.



**3 GENERATOR CLEARANCE ELEVATION**

SCALE: N.T.S.



NOTES:  
 1. CONTRACTOR TO PROVIDE DUCTILE IRON PIPE FOR VENT PIPE (OTHER MATERIALS NOT PERMITTED)  
 2. REFER TO NOTES ON SHEET GN2.  
 3. SEE PLANS FOR ORIENTATION.

**1 GENERATOR CLEARANCE PLAN**

SCALE: N.T.S.

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



**APPLICATION AND ENGINEERING DATA**

**ENGINE SPECIFICATIONS**

General	
Make	Mitsubishi
Cylinder #	4
Type	In-Line
Displacement - in <sup>3</sup> (L)	201.38 (3.3)
Bore - in (mm)	3.70 (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
Poles	4
Field Type	Rotating
Insulation Class - Rotor	F
Insulation Class - Stator	H
Total Harmonic Distortion	<5%
Telephone Interference Factor (TIF)	<50

Standard Excitation	Direct
Bearings	Single Sealed Cartridge
Coupling	Direct via Flexible Disc
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Electronic
Regulation Accuracy (Steady State)	±1.0%

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



**OPERATING DATA**

**POWER RATINGS**

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

**MOTOR STARTING CAPABILITIES (skVA)**

skVA vs. Voltage Dip at 30%	
120/240 V, Single-Phase at 0.4pf	189 Amps

**FUEL CONSUMPTION RATES\***

Percent Load	Diesel gph (Lph)
25%	1.23 (4.66)
50%	2.02 (7.66)
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 <sup>3</sup> /min)	3,038 (86)
Coolant System Capacity	gal (L)	2.8 (10.6)
Heat Rejection to Coolant	BTU/hr (MJ/hr)	111,000 (117.1)
Temperature Deration	3% for every 5 °C above 25 °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)	50 (122)
Maximum Radiator Backpressure	in H <sub>2</sub> O (kPa)	0.5 (0.12)

**COMBUSTION AIR REQUIREMENTS**

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

**ENGINE**

	Standby
Rated Engine Speed	RPM 1,800

**EXHAUST**

	Standby
Exhaust Flow (Rated Output)	cfm (m <sup>3</sup> /min) 230 (6.5)
Exhaust Temperature (Rated Output)	°F (°C) 930 (499)

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, BS5514, ISO8528, and DIN6271 standards.



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 DENVER, CO 80216  
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SHEET TITLE:  
**EQUIPMENT  
 DETAILS**

SHEET NUMBER:  
**A5.2**

SPEC SHEET

3 of 5

SPEC SHEET

4 of 5





## 100-400 Amps, Single Phase

## Automatic Smart Transfer Switches

### Functions

All timing and sensing functions originate in the generator controller

Utility voltage drop-out.....	<65%
Timer to generator start.....	10 second factory set, adjustable between 2-1500 seconds by a qualified dealer*
Engine warm up delay.....	5 seconds
Standby voltage sensor.....	65% for 5 seconds
Utility voltage pickup.....	>80%
Re-transfer time delay.....	15 seconds
Engine cool-down timer.....	60 seconds
Exerciser.....	.5 or 12 minutes adjustable weekly/Bi-weekly/Monthly**

The transfer switch can be operated manually without power applied.

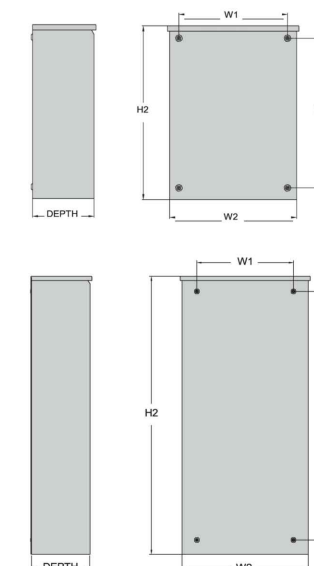
\*When used in conjunction with units utilizing Evolution™ controls \*\*Adjustable via the controller

### Specifications

Model	RXSC100A3	RXSC200A3
Amps	100	200
Voltage	120/240, 1ø	120/240, 1ø
Load Transition Type (Automatic)	Open Transition	Open Transition
Enclosure Type	NEMA/UL 3R	NEMA/UL 3R
UL Rating	UL/CUL	UL/CUL
Withstand Rating (Amps)	10,000	10,000
Lug Range	1/0 - #14	250 MCM - #6

### Dimensions

Model		RXSC100A3	RXSC200A3
Height (in./mm)	H1	17.24/437.9	17.24/437.9
	H2	20/508	20/508
Width (in./mm)	W1	12.5/317.5	12.5/317.5
	W2	14.6/370.8	14.6/370.8
Depth (in./mm)		7.09/180.1	7.09/180.1
Weight (lbs./kilos)		20/9.07	20/9.07



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990 SOUTH BROADWAY DENVER, CO 80209

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#### PLANS PREPARED BY:



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#### SHEET NUMBER:

A6

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7. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES.
8. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION.
9. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN.
10. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE.

STRUCTURAL NOTES

- 1.0 GENERAL CONDITIONS
1.1 DESIGN AND CONSTRUCTION OF ALL WORK SHALL CONFORM TO THE APPROVED EDITION OF THE IBC EDITION AND ALL OTHER APPLICABLE STATE CODES, ORDINANCES, AND REGULATIONS.
1.2 IT IS THE EXPRESS INTENT OF THE PARTIES INVOLVED IN THIS PROJECT THAT THE CONTRACTOR OR SUBCONTRACTOR OR INDEPENDENT CONTRACTOR OR THEIR RESPECTIVE EMPLOYEES SHALL EXCULPATE THE ARCHITECT, THE ENGINEER, THE CONSTRUCTION MANAGER, THE OWNER, AND THEIR AGENTS, FROM ANY LIABILITY WHATSOEVER AND HOLD THEM HARMLESS AGAINST LOSS, DAMAGES, LIABILITY OR ANY EXPENSE ARISING IN ANY MATTER FROM THE WRONGFUL OR NEGLIGENT ACT, OR FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
1.3 DO NOT SCALE DRAWINGS.
1.4 VERIFY ALL EQUIPMENT MOUNTING DIMENSIONS PER MANUFACTURER DRAWINGS.
1.5 SUBMIT ONE SEPIA AND TWO PRINTS OF ALL STRUCTURAL SHOP DRAWINGS.
2.0 STRUCTURAL STEEL NOTES:
2.1 CHANNELS, ANGLES AND PLATES SHALL BE ASTM A36 MATERIAL, UNLESS NOTED OTHERWISE.
2.2 SQUARE AND RECTANGULAR TUBE STEEL HSS SECTIONS SHALL BE ASTM A500, GRADE B (Fy = 46 ksi) MATERIAL.
2.3 ROUND PIPE SECTIONS SHALL BE ASTM A53, GRADE B (Fy =35 ksi) MATERIAL.
2.4 DESIGN, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE "AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", WITH COMMENTARY AND THE "CODE OF STANDARD PRACTICE".
2.5 ALL STEEL SHALL HAVE ONE COAT OF SHOP PRIMER. DO NOT PAINT AREAS WITHIN 3" OF BOLTS, WELDS OR HEADED STUDS.
2.6 BOLTS SHALL BE HIGH STRENGTH BOLTS, A325, CONFORMING TO ASTM SPECIFICATIONS.
2.7 WELDING SHALL BE CONDUCTED BY CERTIFIED WELDERS AND SHALL CONFORM TO THE AWS CODES FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION.
2.8 WELDS SHALL BE MADE USING E70XX ELECTRODES AND SHALL BE 3/16" MINIMUM UNLESS OTHERWISE NOTED.
2.9 WELDING SHALL BE PERFORMED IN ACCORDANCE WITH A WELDED PROCEDURE SPECIFICATION (WPS) AS PER AWS D1.1 , D1.3 AND D1.4.
2.10 ONLY PRE-QUALIFIED WELDING PROCEDURES SHALL BE USED.
2.11 UNLESS SPECIFICALLY ADDRESSED IN THE SPECIFICATIONS OR THE DETAILS, ALL STEEL ITEMS PERMANENTLY EXPOSED TO EARTH OR WEATHER SHALL BE CORROSION-RESISTANT BY GALVANIZING OR BY THE USE OF STAINLESS STEEL.
2.12 ALL FIELD WELDS ON GALVANIZED MATERIAL SHALL BE BRUSH-COATED WITH A ZINC-RICH PAINT
3.0 STANDARDS FOR ALL CONCRETE WORK
3.1 ALL CONCRETE WORK SHALL CONFORM WITH ACI. 318 OR LATEST.
3.2 NO SPLICES OF REINFORCEMENT SHALL BE MADE EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER.
3.3 PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIONS SHOW ON DRAWINGS.

- 3.4 WIRE FABRIC REINFORCEMENT MUST LAP ONE FULL MESH AT SIDE AND END LAPS SHALL BE TIED TOGETHER.
3.5 CURE AFTER FINISHING CONCRETE. KEEP MOIST FOR 7 DAYS AFTER POURING.
3.6 COMPACT STRUCTURAL FILL 95% PROCTOR DENSITY PRIOR TO PLACING CONCRETE UNDER SLABS.
3.7 1/4" CHAMFER ON ALL CORNERS AND EDGES.
3.8 ALL CONCRETE SHALL BE PORTLAND, TYPE 1 CEMENT WITH A MINIMUM OF 28 DAY STRENGTH OF 3000 PSI, 4" SLUMP AND A MINIMUM AIR ENTRAPMENT OF 4%.
3.9 ALL REINFORCING STEEL SHALL BE GRADE 60. ALL REINFORCING MESH SHALL CONFORM TO ASTM A 185.
4.0 FRP NOTES:
4.1 ALL FRP MATERIAL SHALL BE EXTREN SERIES 500 OR EQUIVALENT, PRODUCED BY THE PULTRUSION METHOD.
4.2 ALL ADHESIVE RESIN SHALL BE PLEXUS METHACRYLATE OR AN EQUIVALENT ADHESIVE RESIN THAT IS COMPATIBLE WITH THE RESIN MATRIX USED IN THE STRUCTURAL SHAPES.
4.3 ALL FRP CONNECTIONS SHALL BE FULLY-BONDED AT EACH SIDE WITH A 1/4" PLATE AND A MINIMUM OF (2) 3/8" DIAMETER FLATHEAD FRP SCREWS PER MEMBER.
4.4 ISOPLAST NUTS AND BOLTS SHALL BE TIGHTENED TO A SNUG-TIGHT FIT PLUS AN ADDITIONAL 1/2 TURN, PRIOR TO BEING LOCKED WITH EPOXY.
4.5 ALL PANELS / SHEATHING SHALL BE FULLY BONDED WITH 3/8" FLATHEAD FRP SCREWS AT 12" O.C.
4.6 ALL FIELD CUT AND DRILLED EDGES, HOLES AND ABRASIONS SHALL BE SEALED WITH A CATALYZED EPOXY RESIN COMPATIBLE WITH THE MANUFACTURER'S ORIGINAL RESIN.

ELECTRICAL NOTES

- 1. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. THESE PLANS ARE DIAGRAMMATIC ONLY, AND NOT TO BE SCALED.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC.
4. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE OR GROUP OF EQUIPMENT.
5. ALL CONDUIT INSTALLED SHALL BE SURFACE MOUNTED UNLESS OTHERWISE NOTED.
6. ELECTRICAL CONTRACTOR SHALL CARRY OUT HIS WORK WITH ACCORDANCE WITH ALL GOVERNING STATE, COUNTY, LOCAL CODES AND O.S.H.A.
7. ELECTRICAL CONTRACTOR SHALL SECURE ALL NECESSARY ELECTRICAL PERMITS, AND PAY ALL REQUIRED FEES.
8. COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF NO LESS THAN ONE YEAR AFTER THE DATE OF JOB COMPLETION.
9. ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL WIRE OR ROPE, AND TRUE TAPE.
10. PROVIDE THE OWNER WITH ONE SET OF COMPLETE DIMENSIONS AND CIRCUITS, WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.
11. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO PROJECT MANAGER AT JOB COMPLETION.
12. USE T-TAP CONNECTIONS ON ALL MULTI-CIRCUITS WITH COMMON NEUTRAL CONDUCTOR FOR LIGHTING FIXTURE.
13. THE EXTERIOR GROUND RING SHALL BE TESTED PER CCI SPECIFICATIONS AND SHALL HAVE A RESISTANCE TO EARTH OF 5 OHMS OR LESS.
14. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN THE MAXIMUM SHORT-CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C.
15. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
16. PATCH, REPAIR, AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
17. 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 TENDONS AND RE-BARS WILL NOT BE DRILLED INTO, CUT, OR DAMAGED UNDER ANY CIRCUMSTANCES.
18. LOCATION OF TENDONS AN RE-BARS ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY, OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING STEEL TENDONS.
19. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH APPLICABLE LOCAL BUILDING CODES.
20. ELECTRICAL CONTRACTOR IS TO COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE.
21. ELECTRICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND/OR CATALOG CUT-SHEETS ON ALL NON-SPECIFIED ORIGINAL MATERIALS AND EQUIPMENT, TO PROJECT MANAGER PRIOR TO COMMENCEMENT OF THE WORK.
22. UPON COMPLETION OF WORK, CONDUCT CONTINUITY AND SHORT CIRCUIT, AS WELL AS, GROUNDING TEST, GROUNDING TEST SHALL BE PREFORMED BY INDEPENDENT TESTING AGENCY, WITH WRITTEN REPORT SUBMITTED TO THE PROJECT MANAGER FOR REVIEW AND APPROVAL.
23. CLEAN PREMISES DAILY OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK PREMISES IN A COMPLETE AND UNDAMAGED CONDITION.
24. ALL EXTERIOR WALL PENETRATIONS SHALL BE SEALED WITH POLYSEAM SEALANT.
25. ALL #2 TINNED BARE COPPER DOWNLEADS TO BE PROTECTED BY 1/2" P.V.C. PIPE AND SECURED.
26. COMPRESSION FITTINGS TO BE USED ON ALL CONDUITS (NO SET SCREWS).
27. ALL #6 STRANDED COPPER WITH GREEN INSULATION TO BE ATTACHED WITH CRIMPED DOUBLE LUG, ATTACHED WITH NUTS, BOLTS AND STAR WASHERS TYPICAL AND NO-OX GREASE BETWEEN LUG AND BUS BAR.

- 28. ALL ABOVE GROUND CONDUIT SHALL BE RIGID GALVANIZED CONDUIT WITH WEATHERPROOF FITTINGS.

GROUNDING

- 1. ALL METALLIC PARTS OF ELECTRICAL EQUIPMENT WHICH DO NOT CARRY CURRENT SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING MANUFACTURER, T-MOBILE GROUNDING AND BONDING STANDARDS, AND THE NATIONAL ELECTRICAL CODE.
2. PROVIDE ELECTRICAL GROUNDING AND BONDING SYSTEM INDICATED WITH ASSEMBLY OF MATERIALS, INCLUDING GROUNDING ELECTRODES, BONDING JUMPERS AND ADDITIONAL ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.
3. ALL GROUNDING CONDUCTORS SHALL PROVIDE A STRAIGHT DOWNWARD PATH TO GROUND WITH GRADUAL BEND AS REQUIRED.
4. GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUND RING, TO THE EXISTING GROUNDING SYSTEM.
5. TIGHTEN GROUNDING AND BONDING CONNECTORS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES FOR CONNECTORS AND BOLTS.
6. ALL UNDERGROUND GROUNDING CONNECTIONS SHALL BE MADE BY THE GROUNDING SYSTEM.
7. ALL GROUNDING CONNECTIONS SHALL BE INSPECTED FOR TIGHTNESS.
8. APPLY CORROSION-RESISTANCE FINISH TO FIELD CONNECTIONS AND PLACES WHERE FACTORY APPLIED PROTECTIVE COATINGS HAVE BEEN DESTROYED.
9. A SEPARATE, CONTINUOUS, INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUITS.
10. BOND ALL INSULATED GROUNDING BUSHINGS WITH A BARE 6 AWG GROUNDING CONDUCTOR TO A GROUND BUS.
11. DIRECT BURIED GROUNDING CONDUCTORS SHALL BE INSTALLED AT A NOMINAL DEPTH OF 36" MINIMUM BELOW GRADE, OR 6" BELOW THE FROST LINE.
12. ALL GROUNDING CONDUCTORS EMBEDDED IN OR PENETRATING CONCRETE SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT.
13. THE INSTALLATION OF CHEMICAL ELECTROLYTIC GROUNDING SYSTEM IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
14. DRIVE GROUND RODS UNTIL TOPS ARE A MINIMUM DISTANCE OF 36" DEPTH OR 6" BELOW FROST LINE.
15. IF COAX ON THE ICE BRIDGE IS MORE THAN 6 FT. FROM THE GROUND BAR AT THE BASE OF THE TOWER, A SECOND GROUND BAR WILL BE NEEDED AT THE END OF THE ICE BRIDGE.
16. CONTRACTOR SHALL REPAIR, AND/OR REPLACE, EXISTING GROUNDING SYSTEM COMPONENTS DAMAGED DURING CONSTRUCTION AT THE CONTRACTORS EXPENSE.



PROJECT INFORMATION:
SITE NAME: CS\_CUCHARES\_RANCH
SITE ID: DN03486D
BU#: 823518
9285 DRENNEN ROAD
COLORADO SPRINGS, CO 80925
EL PASO COUNTY

Table with 3 columns: REV, DATE, DESCRIPTION, BY. Row 1: A, 04-11-22, PRELIMINARY, CBM

PLANS PREPARED BY: WYCO FIELD SERVICES
6335 DOWNING ST. DENVER, CO 80216 WYCOFS.COM

LICENSURE NO:

ALL SCALES ARE SET FOR 11"x17" SHEET

Table with 3 columns: DRAWN BY, CHK BY, APV BY. Row 1: CBM, TJN, TA

SHEET TITLE: GENERAL NOTES

SHEET NUMBER: GN1

GENERATOR NOTES

**DIESEL GENERATOR: EXTERIOR**

EMERGENCY BACKUP POWER  
48kW GENERAC DIESEL GENERATOR ABOVE GROUND SUB-BASE TANK  
CONTAINING 210 GALLONS OF #2D FUEL

**FUEL TANK LOAD DURATION CALC:**

TANK SIZE = 210 PER MFR DATA FUEL FILL ALARM @ 90% = 189 GALLONS  
FUEL CONSUMPTION RATE = 4.02 GPH @ 100% PER MFR CUT SHEET  
LOW FUEL ALARM SET @ 2HRS RUNTIME x 133% = 10.693 GALS  
(4.02 GPH x 2HRS x 133% = 10.693 GALS)  
210 GAL TANK PROVIDED / 4.02GPH = 52.2 HR RUN TIME

**1. LOCATION OF EXTERIOR TANKS**

- A. CLEARANCE ( IFC 5704.2.9.6.1.1 & NFPA TABLE 22.4.1.1A & NFPA 37.4.1.4) GENERATOR TANKS WITH A CAPACITY LESS THAN 275 GALLONS MUST BE A MIN. OF 5' FROM A PROPERTY LINE, R.O.W, OPENINGS IN WALLS OR STRUCTURE WITH COMBUSTIBLE WALLS. TANKS WITH CAPACITY 276-750 MUST BE 10' FROM PROPERTY LINE
- B. WORKING SPACE (NFPA 70 TABLE 110.26.A1) WORKING SPACE FOR ELECTRICAL EQUIPMENT OF 0-600 VOLTS SHALL BE A MIN. OF 3' ON FRONT/SERVICE SIDE
- C. WORKING CLEARANCE (IFC 604.1.2 & NFPA 110 7.9.12.1) A MINIMUM CLEARANCE OF 3FT SHALL BE MAINTAINED ON ALL SIDES OF FUEL TANK.

**2. SIGNAGE**

- A. "NO SMOKING OR OPEN FLAME" (IFC 5704.2.3.1) THE FOLLOWING SIGNS MADE OF DURABLE MATERIAL ARE REQUIRED ON THE GENERATOR ROOM DOOR (SEE EXAMPLE AT BOT. OF NOTES)
- B. NFPA HAZMAT PLACARD: (IFC 5003.5 & NFPA 704) VISIBLE HAZARD IDENTIFICATION SIGNS AS SPECIFIED BY NFPA 704 SHALL BE PLACED ON GENERATOR ROOM DOOR REFLECTING THE HIGHEST HAZARD WITHIN THE COMPOUND (SEE EXAMPLE)
- C. FILLING INSTRUCTIONS: (IFC 5704.2.9.7.6.1) A PERMANENT SIGN SHALL BE PROVIDED AT THE FILL POINT FOR THE TANK, DOCUMENTING THE FILLING PROCEDURE AND TANK CALIBRATION CHART.
- D. EMERGENCY SHUT DOWN PROCEDURES: (NFPA 37.10.2.1) PROVIDE CLEAR EMERGENCY SHUTDOWN PROCEDURES FOR SAFELY DISABLING THE GENERATOR

**3. TANK VENTILATION** (IFC 5704.2.9.7.2 & IFC 5704.2.7.3. & NFPA 30 & DFC 5704.2.7.3.3)

- A. CLEARANCE: STORAGE TANKS MUST BE EQUIPPED WITH NORMAL AND EMERGENCY VENTING. NORMAL TANK VENT PIPES MUST EXIT STRUCTURE AND SHALL BE NO SHORTER THAN 12 FEET ABOVE FINISHED GROUND. VAPORS SHALL BE DISCHARGED AWAY FROM EAVES OR OBSTRUCTIONS. EMERGENCY VENT PIPES MUST EXIT STRUCTURE AND SHALL COMPLY WITH NFPA 30/22.7.
- A. WEATHER PROOF CAPS: (IMC 1305.7) WEATHER PROOF CAPS SHALL BE PROVIDED ON ALL VENT PIPES WITH THE SAME FREE OPEN VENT AREA AS THE CROSS SECTION OF THE VENT PIPE. SCREENS SHALL NOT BE FINER THEN NO.4 MESH
- B. VENT PIPE STATIC HEAD (IMC 1305.7) IF THE STATIC HEAD WITH A VENT PIPE FILLED WITH OIL EXCEEDS 10 PSI THE TANK SHALL BE DESIGNED FOR THE MAXIMUM STATIC HEAD THAT WILL BE IMPOSED. ALL VENT PIPES AT THIS SITE ARE 12' HIGH WHICH DO NOT EXCEED 10 PSI.
  - a. 1 PSI = 2.31 FT OF VENT RISE
  - b. 12FT H VENT / 2.31 FT = 5.19 PSI

**4. GENERATOR EXHAUST PIPE:** (NFPA 37 8.2.3.2) EXHAUST SYSTEM TERMINATIONS SHALL NOT BE DIRECTED TOWARD COMBUSTIBLE MATERIAL OR STRUCTURES OR INTO ATMOSPHERES CONTAINING FLAMMABLE GASSES, FLAMMABLE VAPORS, OR COMBUSTIBLE DUSTS.

**5. OVERFILL PREVENTION TANKS INSIDE BUILDINGS:** (5704.2.9.5.1) TANKS SHALL BE EQUIPPED WITH THE FOLLOWING:

- A. A FLOAT VALVE
- B. PRESET METER ON FILL LINE
- C. A VALVE ACTUATED BY THE WEIGHT OF THE TANKS CONTENTS
- D. LOW-HEAD PUMP WHICH IS INCAPABLE OF PRODUCING OVERFLOW OR A LIQUID TIGHT OVERFLOW PIPE AT LEAST ONE PIPE SIZE LARGER THAN THE FILL PIPE AND DISCHARGING BY GRAVITY BACK TO THE OUTSIDE SOURCE OF LIQUID OR TO AN APPROVED LOCATION

**6. VEHICLE IMPACT PROTECTION:** (IFC 5703.64 & 312.2) GUARD POSTS / BOLLARDS MEETING THE FOLLOWING REQUIREMENTS SHALL BE PROVIDED TO PROTECT TANKS WITH COMBUSTIBLE / FLAMMABLE LIQUIDS.

- A. CONSTRUCTED OF MIN. 4"Ø STL PIPE IN FOOTING MIN. 15"Ø & MIN. 3' DEPTH
- B. SPACED NO MORE THAN 4' APART BETWEEN POSTS ON CENTER
- C. LOCATED NO LESS THAN 3' FROM PROTECTED OBJECT AND STANDING MIN. 3' TALL

**7. HAZARDOUS MATERIALS INVENTORY STATEMENT:** (IFC APPENDIX H)

- A. ALL HAZARDOUS CHEMICALS MUST BE REPORTED TO LOCAL COUNTY FIRE DEPARTMENT PRIOR TO INSPECTION.

**8. FIRE EXTINGUISHER:** (IFC 906.1, NFPA-10, NFPA-76, OSHA 29 CGR 1910.157)

- A. FIRE EXTINGUISHER INSTALLED SHALL BE A MIN. RATING OF 4A:40B:C
- B. LOCATION: (NFPA 10-6.1.3.1) A FIRE EXTINGUISHER SHALL BE CONSPICUOUSLY LOCATED WHERE IT IS READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE IN THE EVENT OF A FIRE.
- C. LOCATION: (NFPA 10-6.3.1.1) A FIRE EXTINGUISHER RATED 40-B MUST BE WITHIN 30' OF CLASS B LIQUID HAZARD. FIRE EXTINGUISHER RATED 80-B MUST BE WITHIN 50' OF CLASS B LIQUID HAZARD.
- D. HEIGHT: (NFPA 10-6.1.3.8) FIRE EXTINGUISHER SHALL BE INSTALLED SO THAT THE TOP OF THE FIRE EXTINGUISHER IS BETWEEN 3.5 AND 5 FT A.F.F.

**9. SPILL CONTAINER KIT:** (IFC 5704.2.9.7.8 & IFC 5704.2.7.5.6) A SPILL CONTAINER WITH A CAPACITY OF AT LEAST 5 GALLONS SHALL BE PROVIDED WITH EACH FILL CONNECTION. FOR TOP FILL TANKS CONTAINER MUST BE NON-COMBUSTIBLE, FIXED TO TANK AND EQUIPPED WITH MANUAL DRAIN VALVE THAT DRAINS INTO PRIMARY TANK. A PORTABLE CONTAINER IS ALLOWED WITH REMOTE FILL TANKS. TANK MUST BE MAX 5' A.F.G. AND MIN. 5' FROM BUILDING OPENINGS.

**10. INSPECTIONS:** CONTRACTOR SHALL VERIFY WITH LOCAL FIRE DEPARTMENT INSPECTION REQUIREMENTS INCLUDING

- A. INSPECTION TEAM WITNESS FILLING OF THE DIESEL TANK.
- B. INSPECTION TEAM WITNESS DEMONSTRATION OF FLOAT SWITCH SET POINTS OF 90% AND 40 %.

**11. DIESEL SUB BASE TANK CONSTRUCTION:** (IFC 5704.2.7, NFPA 30-21.4.2.1.1, UL 142)

- A. FUEL CONTAINMENT BASIN: SUB BASE TANK SHALL INCLUDE WELDED STEEL CONTAINMENT BASIN SIZED AT A MINIMUM OF 125% OF THE TANK CAPACITY TO PREVENT ESCAPE OF FUEL IN THE EVENT OF A TANK RUPTURE
- B. LEAK DETECTION SYSTEM: A FUEL CONTAINMENT BASIN LEAK DETECTOR SHALL BE SUPPLIED AND WIRED FOR ALARM CONDITION VISIBLE FOR GENERATOR CONTROL PANEL
- C. SUB BASE TANK VENTING: NORMAL EMERGENCY VENTING SHALL BE SIZED PER UL 142 SPECIFICATION FOR WETTED SURFACE AREA OF TANK.
- D. ENGINE ENVIRONMENTAL SPILL PROTECTION: TOP OF FUEL TANK BASE SHALL INCLUDE SPILL CONTAINMENT TO CATCH ANY EXCESS SPILL OR LEAKS FROM ENGINE AND COOLING SYSTEM. THIS SHALL BE SIZED FOR 125% OF ENGINE FLUIDS AND FUEL SPILL CONTAINMENT.

**12. REMOTE MANUAL STOP:** (NFPA 110 5.6.5.6 & 5.6.5.6.1) ROTATING PRIME MOVER EQUIPMENT (DIESEL ENGINE) SHALL HAVE A REMOTE MANUAL STOP STATION LOCATED IN APPROVED LOCATION.

REMOTE MANUAL STOP STATION SHALL BE CLEARLY LABELED.

**13. REMOTE STATUS PANEL:** ALL GENERATORS SHALL BE PROVIDED WITH A REMOTE STATUS PANEL THAT SHOWS THE FOLLOWING:

- A. OPERATING STATUS (ON-OFF) AND MALFUNCTION INDICATION PANEL (PER NFPA 110)
- B. INDICATION OF TRANSFER SWITCH POSITION (NORMAL-EMERGENCY)
- C. INDICATION THAT GENERATOR IS IN AUTOMATIC MODE
- D. MAIN FUEL OIL STORAGE TANK LOW FUEL LEVEL ALARM. THE LOW FUEL SENSING SWITCH SHALL INDICATE WHEN LESS THAN THE MINIMUM FUEL NECESSARY FOR FULL LOAD RUNNING AS PER NFPA 110 SECTION 5.5.2 OR A MINIMUM OF 75% OF THE TANK SIZE.

**14. GENERATOR TANK MAX STATIC HEAD** (IMC 1305.7) "IF THE STATIC HEAD WITH A VENT PIPE FILLED WITH OIL EXCEEDS 10 POUNDS PER SQUARE INCH (PSI) (69 KPA), THE TANK SHALL BE DESIGNED FOR THE MAXIMUM STATIC HEAD THAT WILL BE IMPOSED." GENERAC TANKS ARE DESIGNED TO RELEASE PRESSURE CAP LIMITING PRESSURE AT 2.5 PSI. REFER TO GENERAC TANK CUT SHEET.

**15. MAXIMUM ALLOWABLE QUANTITY HAZARDOUS MATERIALS** (IFC TABLE 5003.1.1(1), 5003.9.10, 903.3.1.1) MAXIMUM ALLOWABLE QUANTITY OF CLASS II LIQUID IS 240 GALLONS WHEN STORED IN EXHAUSTED ENCLOSURE. AMOUNT INCREASES TO 480 GAL WHEN ALSO INSTALLING APPROVED FIRE SUPPRESSION SYSTEM.



**PERMIT & INSPECTION NOTES**

- 1. CONTRACTOR SHALL PROVIDE ANY INSPECTIONS REQUIRED BY LOCAL JURISDICTION PRIOR TO FUELING THE GENERATOR.
- 2. LEGALLY REQUIRED EMERGENCY OR STANDBY GENERATORS SHALL BE ACCEPTANCE TESTED IN ACCORDANCE WITH NFPA 110. DOCUMENTATION SHALL BE PROVIDED BY CONTRACTOR TO THE LOCAL JURISDICTION OUTLINING THE NFPA 110 ACCEPTANCE TEST CONDUCTED AND RESULTS SHOWING CONFORMITY WITH NFPA 110 ACCEPTANCE TESTING REQUIREMENTS.
- 3. CONTRACTOR SHALL INQUIRE WITH LOCAL JURISDICTION FOR ANY ADDITIONAL ANNUAL PERMITS RELATING TO GENERATORS OR COMBUSTIBLE STORAGE.



PROJECT INFORMATION:

**SITE NAME:**  
**CS\_CUCHARES\_RANCH**  
**SITE ID:**  
**DN03486D**  
**BU#:** 823518  
9285 DRENNEN ROAD  
COLORADO SPRINGS, CO 80925  
EL PASO COUNTY

REV:	DATE:	DESCRIPTION:	BY:
A	04-11-22	PRELIMINARY	CBM

PLANS PREPARED BY:



LICENSURE NO:

ALL SCALES ARE SET FOR 11"x17" SHEET

DRAWN BY:	CHK BY:	APV BY:
CBM	TJN	TA

SHEET TITLE:

**GENERATOR NOTES**

SHEET NUMBER:

**GN2**

# Elevation Plans\_v1.pdf Markup Summary

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## [2] DN03486D\_A and E\_CDs\_REVA\_GEN ADD\_ 03.14.2022\_recover-T1 (1)

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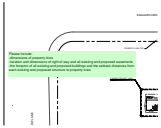
**Page Label:** [2] DN03486D\_A and E\_CDs\_REVA\_GEN  
ADD\_ 03.14.2022\_recover-T1  
**Author:** ashmathy

Please include:  
-legal description of the property  
(can be found on assessor website)  
-lot/parcel size

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## [3] DN03486D\_A and E\_CDs\_REVA\_GEN ADD\_ 03.14.2022\_recover-A1 (1)

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**Page Label:** [3] DN03486D\_A and E\_CDs\_REVA\_GEN  
ADD\_ 03.14.2022\_recover-A1  
**Author:** ashmathy

Please include:  
-dimensions of property lines  
-location and dimensions of right of way and all  
existing and proposed easements  
-the footprint of all existing and proposed buildings  
and the setback distances from each existing and  
proposed structure to property lines