

**SPECIAL AGENDA
CITY OF FERNDALE - HUMBOLDT COUNTY U.S.A.
DESIGN REVIEW COMMITTEE MEETING**

Location VIA ZOOM CONFERENCE

Date: December 10, 2020

Time: 8:30 am

This meeting is being held in accordance with the Brown Act as currently in effect under the State Emergency Services Act, the Governor's Emergency Declaration related to COVID-19, and the Governor's Executive Order N-29-20 issued on March 17, 2020 that allows attendance by members of the Committees, City staff, and the public by teleconference, videoconference, or both.

We are strongly recommending that public comments for this meeting be submitted prior to the meeting. Public comments should be submitted to cityclerk@ci.ferndale.ca.us by 4:00pm on Wednesday, September 30, 2020, please be sure to put "Public Comment" in the subject line, and include the agenda item if applicable. All public comments received by 4pm will be read into the record (limit to 5 minutes) during the regular meeting.

To provide public comment during the meeting, you will need to join the Teleconference meeting.

To Join Zoom Meeting use the link:

<https://us02web.zoom.us/j/83354075867?pwd=TnJlVmRUeXQ1dExmWHRtSlVndy9Udz09>

or go to Zoom.us and input the following:

Meeting ID: 833 5407 5867

Passcode: 515046

Dial in using your telephone: (Use *6 to mute and unmute)

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

Meeting ID: 833 5407 5867

Passcode: 515046

1. CALL MEETING TO ORDER – CITY CLERK WILL DO ROLL CALL
2. MODIFICATIONS TO THE AGENDA
3. APPROVAL OF PREVIOUS MINUTES
4. PUBLIC COMMENT. (This time is for persons who wish to address the Committee on any matter not on this agenda and over which the Committee has jurisdiction).
5. BUSINESS
 - A. 475 Berding (Fence Paint) Page 3
 - B. 989 Milton (Generator Install) Page 14
6. CORRESPONDENCE None
7. COMMITTEE MEMBER COMMENTS
8. ADJOURN

**This notice is posted in compliance with Government Code §54954.2.
The next Regular Meeting of the Ferndale City Design Review Committee
will be AS NEEDED DURING COVID-19 PANDEMIC**

CALL TO ORDER

MODIFICATIONS TO THE AGENDA

APPROVAL OF MINUTES

PUBLIC COMMENT

BUSINESS

Meeting Date:	December 10, 2020			Agenda Item Number		5.a	
Agenda Item Title	475 Berding Street						
Presented By:	Staff						
Type of Item:	x	Action		Discussion		Information	
Action Required:		No Action	x	Voice Vote		Roll Call Vote	

PROJECT DESCRIPTION: Submittal of Paint Swatches and Modification of DR2006 regarding 475 Berding Street (031-091-004).

RECOMMENDATION: Staff has included findings of fact (Attachment A) necessary to take an action on the Design Review Use Permit. If the Design Review Committee accepts the findings of fact or makes comparable findings, then staff recommends the Committee approve the Design Review Use Permit, subject to the conditions of approval listed in Attachment B.

RECOMMENDED MOTION: “Make the required findings of fact listed in Attachment A to approve the Design Review Use Permit, subject to the conditions of approval listed in Attachment B, to paint the fence using the approved paint swatches.”

ATTACHMENTS: Application, photos, paint swatches, Findings of Fact, and Conditions of Approval

Attachment A
FINDINGS OF FACT

The following findings of fact are required for approving the Design Review Use Permit.

1. The proposed design, materials, and colors are visually harmonious with and conceptually consistent in character and scale with surrounding area.
2. The existing project, as outlined and with conditions:
 - Conforms to and is consistent with the Ferndale General Plan;
 - Does not impair the natural beauty of the town's site and setting; and
 - Will not be unsightly, obnoxious or undesirable in appearance to the extent that it will hinder the harmonious development of the zone, impair the desirability of the zone for the uses permitted therein, or limit the opportunity to attain optimum use and value of the land and improvements or otherwise adversely affect the general property and welfare.

Attachment B
CONDITIONS OF APPROVAL

Staff recommends Design Review Use Permit approval be subject to the following conditions. The violation of any term or requirement of this conditional approval may result in the revocation of the permit.

1. The applicant shall be responsible to pay all applicable fees, deposits or charges associated with processing and finalizing the Design Review Use Permit, and/or otherwise owed to the City of Ferndale. All applicable or other required fees shall be paid to the satisfaction of the City of Ferndale before the Permit and uses allowed are considered final and approved.
2. All proposed work shall be in conformance with the approved permit application and with the information and analysis contained in the associated staff report and conditions of approval on file with the City. Should the work deviate from that as allowed by this approval, then the applicant may be required to first receive Design Review Committee approval for such changes.
3. Should the applicant or any other future owner of the subject property not conform to the requirements of these conditions, then said non-conformance shall constitute a violation of this Design Review Use Permit and shall become null and void until either all the issues have been addressed to the satisfaction of the City, or the permit is revoked.
4. All proposed and/or future development, improvements, and construction authorized hereunder shall be in conformance with all applicable City ordinances, regulations and codes, including but not limited to Zoning Ordinance 02-02, including the Design Review requirements, the Uniform Building Code, any Fire Codes and/or Public Health & Safety Code, applicable to the nature and type of proposed use and/or construction. A City building permit is required for any construction associated with the proposed project with the burden on the applicant to comply.

CITY OF FERNDALE

POB 1095

FERNDALE, CA 95536

"A Historic Victorian Village"

Farrell & Meg Nicholes
475 Berding St
Ferndale, CA 955369

RE: Design Review Use Permit Application DR2007 (475 Berding St)

This letter is to inform you that your application for a Design Review Use Permit for the construction of a fence has been approved. While Design Review has authority over location and aesthetics of structures, including fences, it is not within its purview to ensure proposed structures comply with all private rights affecting the property, including easements. There was some concern of an easement mentioned during the meeting. Please be aware that it is up to the property owner to maintain any easements and ensure compliance.

The Design Review Committee has also requested a paint swatch be submitted before painting the fence.

If you have any questions regarding this letter, or your application, please feel free to call me Mon-Thurs 9am-4pm at (707)786-4224.

Thank you,

Kristene Hall

City Clerk

CITY OF FERNDALE
PLANNING DEPARTMENT

STANDARD APPLICATION FORM

Please provide the following information as it applies to your application. For questions, call 786-4224.

1. Type of Application

Date: Nov. 20, 2020

☐	Bed & Breakfast Inn	☐	Major Subdivision (5 parcels or more)
☐	Design Review Use Permit	☐	Minor Subdivision (4 parcels or less)
☐	Exception to Development Standards	☐	Second Dwelling Unit
☐	Home Occupation Permit	☒	Use Permit
☐	Lot Line Adjustment	☐	Variance
☐	Merger	☐	Zoning & General Plan Amendment

2. Name of Property Owner: Farrell & Meg Nicholes

Address: 475 Berding Street, Ferndale, CA 95536 - P.O. Box 954

3. Name of Applicant (if different): _____

Address: _____ Phone: _____

4. Property Location: 475 Berding Street, Ferndale, CA 95536

Assessor Parcel Number(s): Assessor Block # 091, Assessor Parcel # 4

Description: _____

Lot Area: _____

5. Present Use of Property: Single Family Home

Present Zoning: Residential

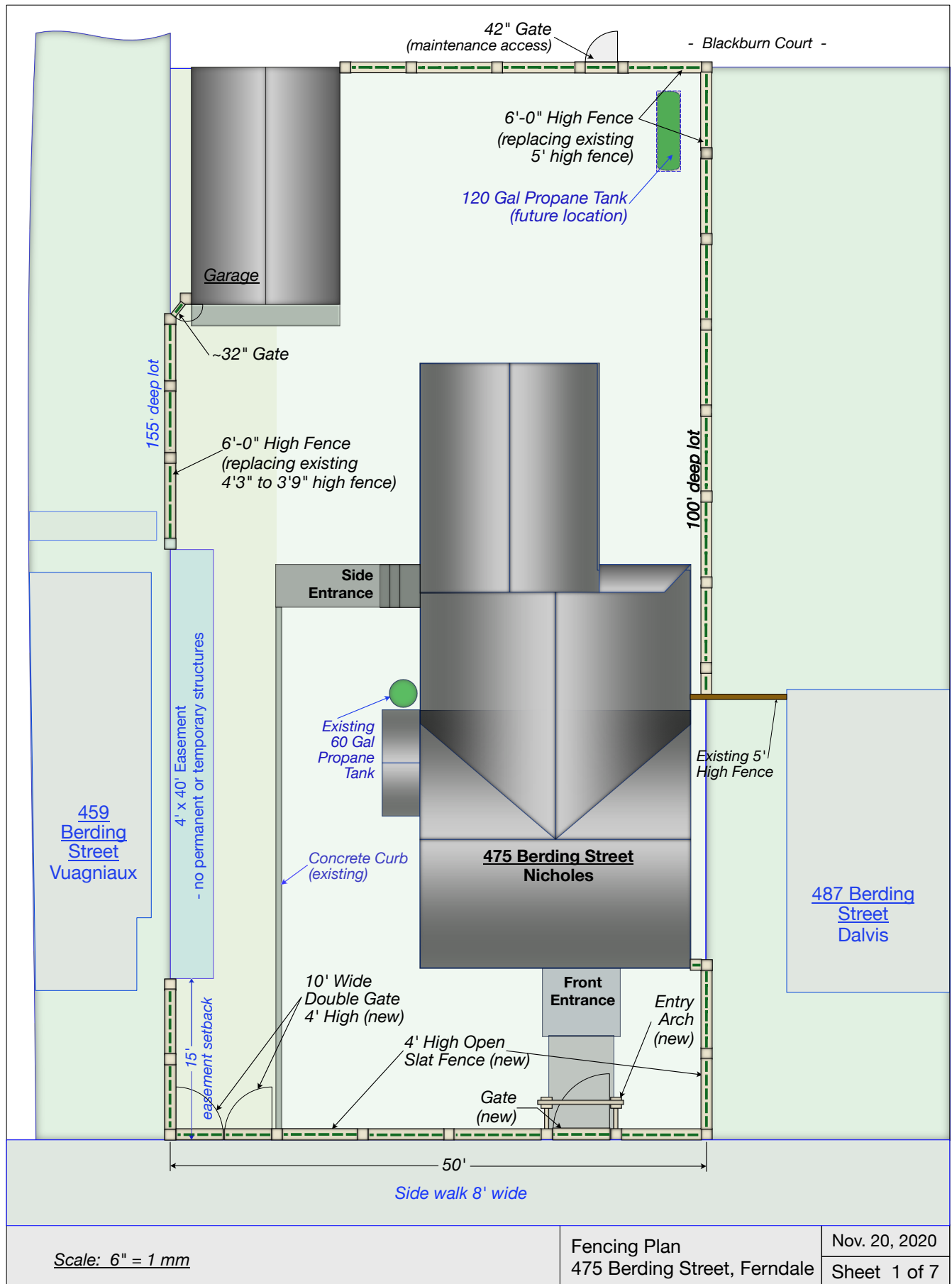
6. Description of Proposed Project: Amended application to include color selections (Benjamin Moore paints) and altered fence line on southwest side of property to comply with 15' easement setback requirement.

Filing Fee: A filing fee of \$_____ has been paid as part of the application. (Refer to Resolution 00-21 for fees and charges for review and processing of development permits.) I hereby certify that to the best of my knowledge the information in this application and all attached exhibits is full, complete and correct, and I understand that any misstatement or omission of the requested information or of any information subsequently requested shall be grounds for denying the application, or suspending or revoking a permit issued on the basis of these or subsequent representations, or for the seeking of such other and further relief as may seem proper to the City.

Farrell & Meg Nicholes Nov. 20, 2020
Signature of Applicant or Agent Date

Authorization of Agent: I hereby authorize _____ to act as my representative and bind me in all matters concerning this application. (Form 121106)

FOR STAFF USE ONLY							
Full Ap Rec'd		Sent to Comm.		Returned		Ap notified	
						Project Final	

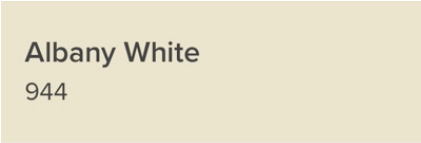


Fence Paint Colors:
(Benjamin Moore Paints)

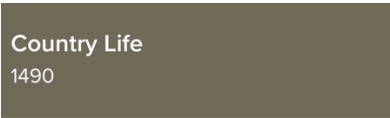
Slats - Lily Pad
480



Posts and Runners - Albany White
944



Minor Trim Moldings - Country Life
1490



Point of Reference:

The house nearly across the Street from 475 Berding Street, at the corner of Berding Street and Washington has a fence that is not painted white.



The house on the corner of Berding Street and Ocean Avenue (about two blocks down the street from 475 Berding Street) has a fence that is not painted white.





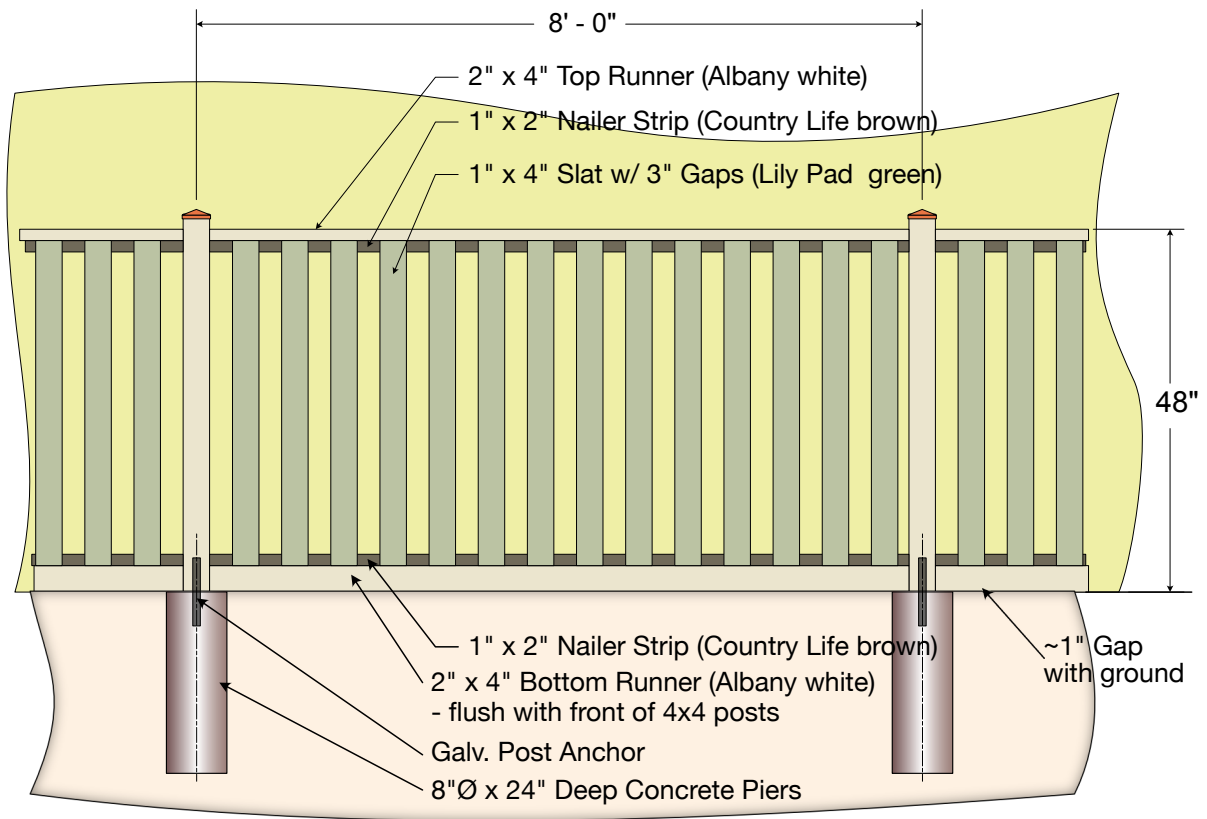
View of Fencing from Berding Street

Fencing Plan 475 Berding Street, Ferndale	Nov. 20, 2020	Sheet 3 of 7
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View of Fencing from Back of House

Fencing Plan 475 Berding Street, Ferndale	Nov. 20, 2020
Sheet 4 of 7	



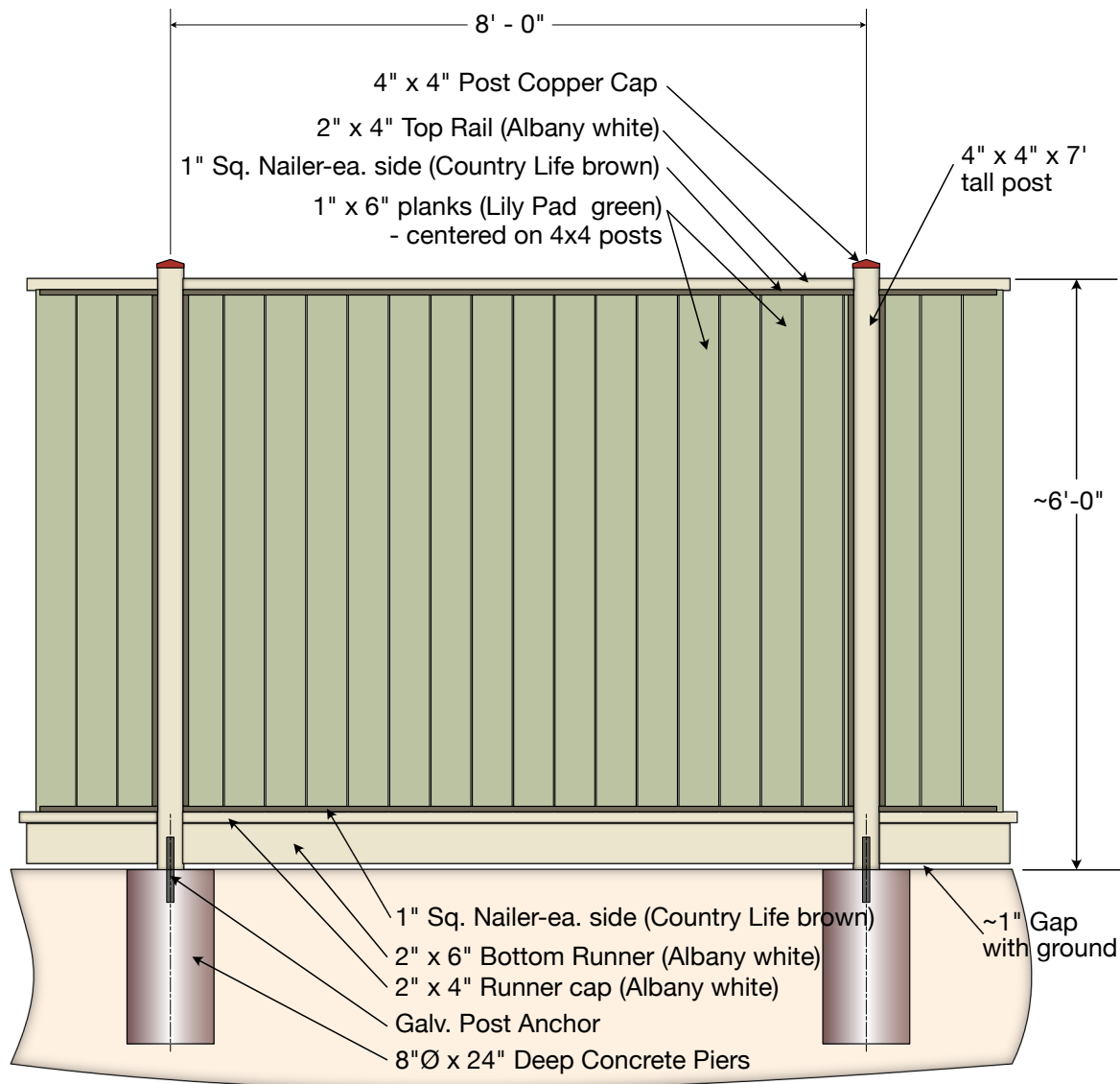
Framed 48" High Picket Fence with Green Slats

Scale: 1" = 1 mm

Fencing Plan
475 Berding Street, Ferndale

Nov. 20, 2020

Sheet 5 of 7

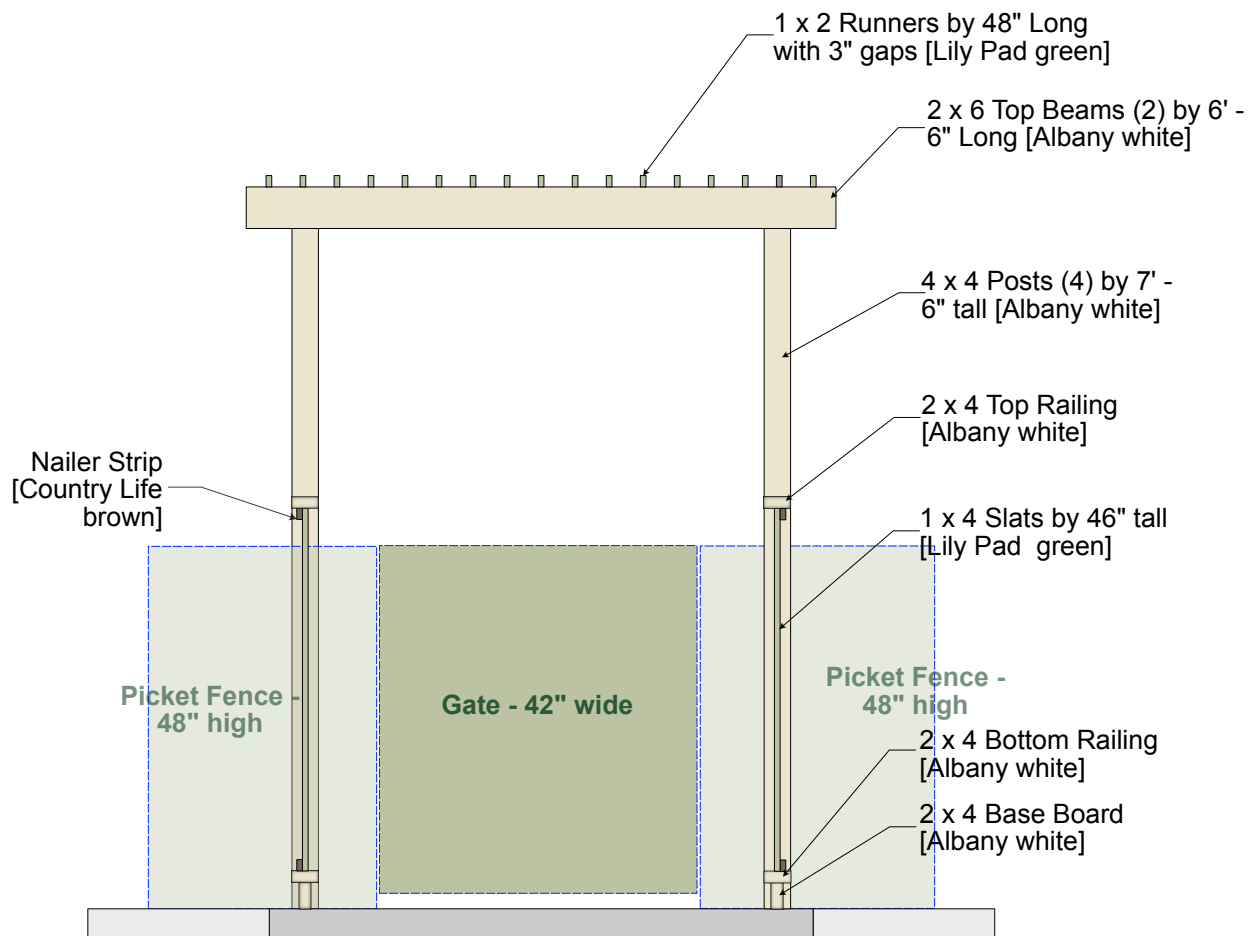


Detail of 6' - 0" high fence

Scale: 1" = 1 mm

Fencing Plan
475 Berding Street, Ferndale

Nov. 20, 2020
Sheet 6 of 7



Front Gate Entry Arch

Meeting Date:	December 10, 2020			Agenda Item Number		5.b	
Agenda Item Title	989 Milton Avenue						
Presented By:	T-Mobile, Synergy, and/or Staff						
Type of Item:	x	Action		Discussion		Information	
Action Required:		No Action	x	Voice Vote		Roll Call Vote	

PROJECT DESCRIPTION: Request for a Design Review Use Permit to install a diesel generator on new concrete slab and install an automatic transfer switch at 989 Milton Avenue (APN 030-111-004).

RECOMMENDATION: Staff has included findings of fact (Attachment A) necessary to take an action on the Design Review Use Permit. If the Design Review Committee accepts the findings of fact or makes comparable findings, then staff recommends the Committee approve the Design Review Use Permit, subject to the conditions of approval listed in Attachment B.

RECOMMENDED MOTION: “Make the required findings of fact listed in Attachment A to approve the Design Review Use Permit, subject to the conditions of approval listed in Attachment B, to install a diesel generator on a new concrete slab and install an automatic transfer switch as stated in the submitted plans.”

ATTACHMENTS: Findings of Fact, Conditions of Approval, project description, photos, and plans.

**Attachment A
FINDINGS OF FACT**

The following findings of fact are required for approving the Design Review Use Permit.

1. The proposed design, materials, and colors are visually harmonious with and conceptually consistent in character and scale with surrounding area.
2. The existing project, as outlined and with conditions:
 - Conforms to and is consistent with the Ferndale General Plan;
 - Does not impair the natural beauty of the town's site and setting; and
 - Will not be unsightly, obnoxious or undesirable in appearance to the extent that it will hinder the harmonious development of the zone, impair the desirability of the zone for the uses permitted therein, or limit the opportunity to attain optimum use and value of the land and improvements or otherwise adversely affect the general property and welfare.

**Attachment B
CONDITIONS OF APPROVAL**

Staff recommends Design Review Use Permit approval be subject to the following conditions. The violation of any term or requirement of this conditional approval may result in the revocation of the permit.

1. The applicant shall be responsible to pay all applicable fees, deposits or charges associated with processing and finalizing the Design Review Use Permit, and/or otherwise owed to the City of Ferndale. All applicable or other required fees shall be paid to the satisfaction of the City of Ferndale before the Permit and uses allowed are considered final and approved.
2. All proposed work shall be in conformance with the approved permit application and with the information and analysis contained in the associated staff report and conditions of approval on file with the City. Should the work deviate from that as allowed by this approval, then the applicant may be required to first receive Design Review Committee approval for such changes.
3. Should the applicant or any other future owner of the subject property not conform to the requirements of these conditions, then said non-conformance shall constitute a violation of this Design Review Use Permit and shall become null and void until either all the issues have been addressed to the satisfaction of the City, or the permit is revoked.
4. All proposed and/or future development, improvements, and construction authorized hereunder shall be in conformance with all applicable City ordinances, regulations and codes, including but not limited to Zoning Ordinance 02-02, including the Design Review requirements, the Uniform Building Code, any Fire Codes and/or Public Health & Safety Code, applicable to the nature and type of proposed use and/or construction. A City building permit is required for any construction associated with the proposed project with the burden on the applicant to comply.

CITY OF FERNDALE
PLANNING DEPARTMENT

STANDARD APPLICATION FORM

Please provide the following information as it applies to your application. For questions, call 786-4224.

1. Type of Application Date: 10/08/20

☐	Bed & Breakfast Inn	☐	Minor Subdivision (4 parcels or less)
☐	Exception to Development Standards	☐	Second Dwelling Unit
☐	Historic District Design Review	☐	Street Vacate
☐	Home Occupation Permit	☐	Use Permit
☐	Lot Line Adjustment	☒	Use Permit – Design Review
☐	Merger	☐	Variance
☐	Major Subdivision (5 parcels or more)	☐	Zoning & General Plan Amendment

2. Name of Property Owner: Cream City Investment Inc. Phone: _____
Address: 1400 Main Street, Ferndale, CA 95536 POBox _____
3. Name of Applicant (if different): Matthew David o/b/o T-Mobile West LLC
Address: 7543 Woodley Avenue, Suite 201, Van Nuys, CA 91406 Phone: 760-707-2548
4. Property Location: Oak Grove Road, Walnut Creek, CA 94105
Accessor Parcel Number(s): 030-111-004
Description: _____
Lot Area: _____
5. Present Use of Property: Unmanned telecommunications facility
Present Zoning: C-1-D-Q
6. Description of Proposed Project: Modification of an existing T-Mobile wireless telecommunications facility: Install (1) diesel generator on (N) concrete slab, Install (1) automatic transfer switch

Filing Fee: A filing fee of \$_____ has been paid as part of the application. (Refer to Resolution 00-21 for fees and charges for review and processing of development permits.) I hereby certify that to the best of my knowledge the information in this application and all attached exhibits is full, complete and correct, and I understand that any misstatement of omission of the requested information or of any information subsequently requested shall be grounds for denying the application, or suspending or revoking a permit issued on the basis of these of subsequent representations, or for the seeking of such other and further relief as may seem proper to the City.

Matthew David
Signature of Applicant or Agent

10/08/20
Date

Authorization of Agent: I hereby authorize _____ to act as my representative
and bind me in all matters concerning this application. (Form 100208)

FOR STAFF USE ONLY							
☐	☐	☐	☐	☐	☐	☐	☐
Full Ap Rec'd		Sent to DR		Returned		Ap notified	Project Final

HARDENING NATIONAL
50kW DIESEL



SITE NUMBER: SF40883A

SITE NAME: FERNDALE

SITE TYPE: ROOFTOP

CITY: FERNDALE

COUNTY: HUMBOLDT

JURISDICTION: CITY OF HUMBOLDT

PROJECT SUMMARY

SITE ADDRESS:
989 MILTON AVENUE
FERNDALE, CA 95536

PROPERTY OWNER:
CREAM CITY INVESTMENT INC.
1400 MAIN ST
FERNDALE, CA 95536

APPLICANT:
T-MOBILE WEST LLC
1855 GATEWAY BLVD. SUITE 900
CONCORD, CA 94520
REPRESENTATIVE:
T-MOBILE PROJECT MANAGER:
PROJECT MANAGER:
CONSTRUCTION MANAGER:
CONSTRUCTION COORDINATOR:

LYNDA McCLUNG
RICHARD RICE
KINDRA ROBERTS
KINDRA ROBERTS
MICHELLE RAFFOUL

BUILDING SUMMARY

OCCUPANCY CLASSIFICATION: U (UNMANNED TELECOMMUNICATION FACILITY)
ZONE CLASSIFICATION: C-1-D-Q
BUILDING USE: INDUSTRIAL
CONSTRUCTION TYPE: V
APN: 030-111-004

PROJECT DESCRIPTION

THE PROJECT ENTAILS:
T-MOBILE PROPOSED TO MODIFY (E) WIRELESS TELECOMMUNICATIONS SITE BY:

1. INSTALL (1) GENERATOR, GENERAC 50 KW DIESEL GENERATOR WITH TANK ON (N) CONCRETE SLAB

2. INSTALL (1) AUTOMATIC TRANSFER SWITCH

LEGAL DESCRIPTION

LOT 1 BLOCK 7

CONSULTING TEAM

SAC/ZONING/PERMITTING:
SYNERGY A DIVISION OF
ADVANTAGE ENGINEERS, LLC
3663 N LAUGHLIN ROAD, SUITE 101
SANTA ROSA, CA 95403
CONTACT: LYNDA McCLUNG
MOBILE: (714) 328-3385
E-MAIL: lmcclung@synergy.cc

ARCHITECTURAL/ENGINEERING:
SYNERGY A DIVISION OF
ADVANTAGE ENGINEERS, LLC
7543 WOODLEY AVE SUITE 201
VAN NUYS, CA 91406
CONTACT: LESZEK KRASUSKI, P.E.
PHONE: (818) 590-6317
FAX: (818) 840-0708
STRUCTURAL ENGINEERING:
SYNERGY A DIVISION OF
ADVANTAGE ENGINEERS, LLC
7543 WOODLEY AVE SUITE 201
VAN NUYS, CA 91406
CONTACT: LESZEK KRASUSKI, P.E.
PHONE: (818) 590-6317
FAX: (818) 840-0708

LATITUDE / LONGITUDE

LAT: 40° 35' 12.4" N
LONG: 124° 15' 25.4" W

LAT: 40.586738°
LONG: -124.256858°

UTILITY PURVEYOR

POWER:
COMPANY: PG&E

TELCO:
COMPANY: AT&T

APPROVAL

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

PRINT NAME

SIGNATURE

DATE

LANDLORD:

ZONING MGR:

DEVELOP. MGR:

CONST. MGR:

PROJECT MGR:

SR. RF ENGINEER:

RF ENGINEER:

OPERATIONS:

SAC REP.:

UTILITIES:

REAL ESTATE MGR:

DRAWING INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
T-3	ABBREVIATIONS, SPECIFICATIONS & SYMBOLS
T-4	GENERAL STRUCTURAL NOTES
A-1	OVERALL SITE PLAN
A-2	EQUIPMENT LAYOUT PLAN
A-3	EQUIPMENT ELEVATION
D-1	SPECIFICATIONS AND DETAILS
D-2	GENERATOR SPECIFICATIONS
D-3	SPECIFICATIONS

ACCESSIBILITY REQUIREMENTS

THE FACILITY IS UNMANNED AND NOT FOR CONTINUOUS HUMAN HABITATION. HANDICAPPED ACCESS IS NOT REQUIRED PER CBC 2019, SECTION 11B-203.4 (LIMITED ACCESS SPACES)
SECTION 11B-203.5 (MACHINERY SPACES)

CODE COMPLIANCE

1. CALIFORNIA ADMINISTRATIVE CODE (INCL. TITLES 24 & 25) 2019

2. CALIFORNIA BUILDING CODE 2019

3. CALIFORNIA ELECTRICAL CODE 2019

4. CALIFORNIA MECHANICAL CODES 2019

5. CALIFORNIA PLUMBING CODES 2019

6. TIA-222 H, 2016

7. LOCAL BUILDING CODE

8. CITY / COUNTY ORDINANCES

9. CALIFORNIA FIRE CODE 2019 EDITION

10. ASCE 7-16

11. ACI 318-14

12. STEEL CONSTRUCTION MANUAL, 14TH ED.

GENERAL LOCATION MAP

VICINITY MAP

DRIVING DIRECTION

FROM T-MOBILE OFFICE: 1855 GATEWAY BLVD. SUITE 900, CONCORD, CA 94520
TURN RIGHT ONTO MARKET ST, TURN LEFT ONTO WILLOW PASS RD, TURN RIGHT TO MERGE WITH I-680 N TOWARD SACRAMENTO, MERGE WITH I-680 N, KEEP LEFT AT THE Y JUNCTION TO CONTINUE ON I-680, KEEP RIGHT AT THE Y JUNCTION TO STAY ON I-680, USE THE LEFT 2 LANES TO TAKE EXIT 58A FOR I-780 TOWARD BENICIA/VALLEJO, CONTINUE ONTO I-780 W, TAKE EXIT 1B TOWARD SACRAMENTO, MERGE WITH I-80 E, TAKE EXIT 33 FOR CA-37 TOWARD NAPA, GET ON US-101 N IN PETALUMA, CONTINUE ONTO CA-37 W, TURN RIGHT ONTO LAKEVILLE HWY, TURN RIGHT TO MERGE WITH US-101 N, MERGE WITH US-101 N, MERGE WITH US-101 N, FOLLOW US-101 N TO MILTON AVE IN FERNDAL, KEEP LEFT TO STAY ON US-101 N, TAKE EXIT 69, TURN LEFT ONTO CA-211 S, TURN LEFT ONTO MILTON AVE, DESTINATION WILL BE ON THE LEFT

T-Mobile

Stick Together®

1855 GATEWAY BLVD., SUITE 900
CONCORD, CA 94520

PROJECT INFORMATION:

(HARDENING NATIONAL - 50kW DIESEL)

SF40883A
FERNDALE

989 MILTON AVENUE
FERNDALE, CA 95536
CITY OF HUMBOLDT

CURRENT ISSUE DATE:

10/05/20

ISSUED FOR:

CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

A

07/27/20

90% CD, ISSUED FOR REVIEW

RC

B

09/29/20

REVISED 90% CD

VMW

C

10/05/20

100% CD

VMW

PLANS PREPARED BY:

Synergy

a division of advantage engineers

7543 Woodley Ave., #201, Van Nuys, CA 91406
Office: (818) 840-0808 Fax: (818) 840-0708

CONSULTANT:

Synergy

a division of advantage engineers

7543 Woodley Ave., #201, Van Nuys, CA 91406
Office: (818) 840-0808 Fax: (818) 840-0708

DRAWN BY: CHK.: APV.:

VMW

LK

LK

LICENSURE:

SHEET TITLE:

TITLE SHEET

SHEET NUMBER: REVISION:

T-1

C

SF40883A

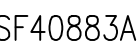
ACCESSIBILITY EXCEPTION NOTES

1. SECTION 11B-203.4: LIMITED ACCESS SPACES – SPACES NOT CUSTOMARILY OCCUPIED AND ACCESSED ONLY BY LADDERS, CATWALKS, CRAWL SPACES OR VERY NARROW PASSAGeways SHALL NOT BE REQUIRED TO COMPLY WITH THESE REQUIREMENTS OR TO BE ON AN ACCESSIBLE ROUTE.
2. SECTION 11B-203.5: MACHINERY SPACES – SPACES FREQUENTED ONLY BY SERVICE PERSONNEL FOR MAINTENANCE, REPAIR OR OCCASIONAL MONITORING OF EQUIPMENT SHALL NOT BE REQUIRED TO COMPLY WITH THIS REQUIREMENT OR TO BE ON AN ACCESSIBLE ROUTE. MACHINERY SPACES INCLUDE, BUT ARE NOT LIMITED TO, ELEVATOR PITS OR ELEVATOR PENTHOUSES; MECHANICAL ELECTRICAL OR COMMUNICATIONS EQUIPMENT ROOMS; PIPING OR EQUIPMENT CATWALKS; WATER OR SEWAGE TREATMENT PUMP ROOMS AND STATIONS; ELECTRIC SUBSTATIONS AND TRANSFORMER VAULTS; AND HIGHWAY AND TUNNEL FACILITIES.

6. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE SITE IS SECURE DURING BOTH WORKING AND NON-WORKING HOURS.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REMEDY ALL FAULTY, INFERIOR, AND/OR IMPROPER MATERIALS, DAMAGED GOODS, AND/OR FAULTY WORKSMANSHIP FOR ONE (1) YEAR AFTER THE PROJECT IS COMPLETE AND ACCEPTED UNDER THIS CONTRACT; UNLESS NOTED OTHERWISE IN THE CONTRACT BETWEEN THE OWNER AND CONTRACTOR. (EXCEPTION) THE ROOFING SUBCONTRACTOR SHALL FURNISH A MAINTENANCE AGREEMENT FOR ALL WORK DONE, COSIGNED BY THE GENERAL CONTRACTOR, TO MAINTAIN THE ROOFING IN A WATER TIGHT CONDITION FOR A PERIOD OF TWO (2) YEARS STARTING AFTER THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT, UNLESS OTHERWISE WRITTEN IN THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR.

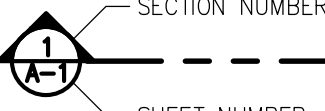
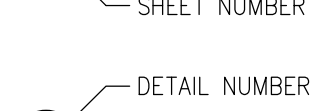
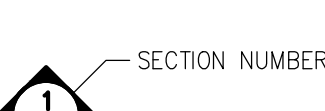
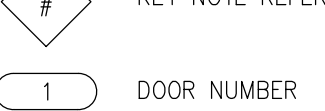
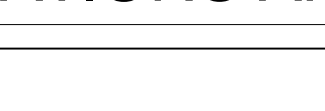
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ABBREVIATIONS

AB	ANCHOR BOLT	LA	LIGHTNING ARRESTOR
AC	ASPHALTIC CONCRETE	LAM	LAMINATED
A.C.	AIR CONDITIONING	LBS	POUNDS
ADJ	ADJUSTABLE	LNA	LOW NOISE AMPLIFIER
A.F.F.	ABOVE FINISH FLOOR	LT	LIGHT
ARCH	ARCHITECTURAL	LTE	LONG TERM EVOLUTION
APPROX.	APPROXIMATELY	MFR	MANUFACTURER
A.G.L.	ABOVE GRADE LEVEL	MAT	MATERIAL
A.M.S.L.	ABOVE MEAN SEA LEVEL	MAX	MAXIMUM
		MECH	MECHANICAL
BD	BOARD	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BLKG	BLOCKING	ML	METAL LATH
BOT	BOTTOM	MO	MASONRY OPENING
BSMT	BASEMENT	MS	MACHINE SCREW
BTS	BASE TRANSCEIVER STATION	MTD	MOUNTED
		MTL	METAL
C	COURSE(S)	(N)	NEW
CEM	CEMENT	NIC	NOT IN CONTRACT
CL	CHAIN LINK	NO	NUMBER
CLG	CEILING	NTS	NOT TO SCALE
CLR	CLEAR		
CO	CONDUIT ONLY	OA	OVERALL
COL	COLUMN	O.C.	ON CENTER
CONC	CONCRETE	OPNG	OPENING
CONST	CONSTRUCTION	OPP	OPPOSITE
CORR	CORRIDOR		
CPRI	COMMON PUBLIC RADIO INTERFACE CABLE	PARTN	PARTITION
		PL	PLATE
DIA	DIAMETER	PLAS	PLASTER
DBL	DOUBLE	PLYWD	PLYWOOD
DEPT	DEPARTMENT	POC	POINT OF CONNECTION
DEMO	DEMOLITION	PROP	PROPERTY
DIM	DIMENSION	PSUs	POWER SUPPLY UNIT SYSTEM
DN	DOWN	PT	PRESSURE TREATED
DR	DOOR		
DTL	DETAIL	R	RISER
DUG	DIGITAL UNIT GSM	REQD	REQUIRED
DUL	DIGITAL UNIT LTE	RD	ROOF DRAIN
DUW	DIGITAL UNIT WCDMA	RM	ROOM
DWG	DRAWING	RMS	ROOMS
		RO	ROUGH OPENING
(E)	EXISTING		
EA	EACH	SAR M	TELCO INTERFACE UNIT
ELEC	ELECTRIC	SC	SOLID CORE
ELEV	ELEVATION	SCHED	SCHEDULE
EQUIP	EQUIPMENT	SECT	SECTION
EXP	EXPANSION	SFP	SMALL PLUGGABLE TRANSCEIVER
EXT	EXTERIOR	SHT	SHEET
		SIM	SIMILAR
FA	FIRE ALARM	SPECS	SPECIFICATIONS
FB	FLAT BAR	SS	STAINLESS STEEL
FF	FINISH FLOOR	STL	STEEL
FH	FLAT HEAD	STOR	STORAGE
FIN	FINISH(ED)	STRUCT	STRUCTURAL
FLR	FLOOR	SUSP	SUSPENDED
FOS	FACE OF STUDS	SW	SWITCH
FS	FINISH SURFACE	SWBO	SWITCHBOARD
FT	FOOT, FEET		
FTC	FOOTING	THK	THICK
FW	FINISH WALL	TI	TENANT IMPROVEMENT
F.G.	FINISH GRADE	TMA	TOWER MOUNTED AMPLIFIER
FUT	FUTURE	TOS	TOP OF SURFACE
		TS	TUBE STEEL
		TYP	TYPICAL
GA	GAUGE		
GALV	GALVANIZED	UNO	UNLESS NOTED OTHERWISE
GL	GLASS		
GR	GRADE		
GYP	GYPSUM	VCT	VINYL COMPOSITION
GFCI	GROUND FAULT CIRCUIT INTERRUPT		TILE
		VERT	VERTICAL
GND	GROUND	V.I.F.	VERIFY IN FIELD
GPS	GLOBAL POSITIONING SYSTEM	VG	VERTICAL GRAIN
GSM	GLOBAL SYSTEM FOR MOBILE COMMUNICATION		
		W/	WITH
HC	HOLLOW CORE	WCDMA	WIREBAND CODE DIVISION MULTIPLE ACCESS
HDW	HARDWARE	WD	WOOD
HTR	HEATER	WR	WATER RESISTANT
HM	HOLLOW METAL	WT	WEIGHT
HORIZ	HORIZONTAL		
HR	HOUR	XFMR	TRANSFORMER
HT	HEIGHT		
HV	HIGH VOLTAGE	@	AT
		[	CHANNEL
ID	INSIDE DIMENSION	⌒	CENTERLINE
INS	INSULATION	∠	ANGLE
INT	INTERIOR	ℓ	PROPERTY LINE
JT	JOINT		

SYMBOLS

	SECTION NUMBER		PROPERTY LINE
	BUILDING SECTION REFERENCE		WROUGHT IRON FENCE
	SHEET NUMBER		WOOD FENCE
	DETAIL NUMBER		CHAIN LINK FENCE
	SHEET NUMBER		POWER SERVICE
	CROSS SECTION REFERENCE		TELCO SERVICE
	DETAIL NUMBER		TELCO AND POWER SERVICES
	SHEET NUMBER		COAX CABLE
	KEY NOTE REFERENCE		GROUNDING
	DOOR NUMBER		ALARM CONDUIT
			GAS LINE
			AREA AND/OR ROOM NUMBER
			MECHANICAL UNIT

PAINTING SPECIFICATIONS

- A. GENERAL
- ALL PAINT PRODUCT LINES SHALL BE SHERWIN WILLIAMS UNLESS SPECIFICALLY NOTED OTHERWISE.
 - CONTRACTOR SHALL PREPARE ALL SURFACES AND APPLY ALL FINISHES PER LATEST EDITION OF MANUFACTURER'S SPECIFICATIONS.
 - COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS REGARDING SUFFICIENT DRYING TIME BETWEEN COATS WITH PROVISIONS AS RECOMMENDED BY MANUFACTURER FOR EXISTING WEATHER CONDITIONS.
 - FINISH COLOR AND TEXTURE OF ALL PAINTED SURFACES SHALL MATCH EXISTING ADJACENT SURFACES UNLESS OTHERWISE NOTED.
 - ALL PAINT MATERIAL DATA SHEETS SHALL BE PROVIDED TO THE CINGULAR WIRELESS CONSTRUCTION MANAGER.
 - PREPARE PREVIOUSLY PAINTED SURFACE BY LIGHT SANDING WITH 400 GRIT SANDPAPER AND NON-HYDROCARBON WASH. PREPARE GALVANIZED SURFACES BY ACID ETCH OR SOLVENT CLEANING IN ACCORDANCE WITH SSPC-SPI1.
 - FURNISH DROP CLOTHES, SHIELDS, MASKING AND PROTECTIVE METHODS TO PREVENT SPRAY OR DROPPINGS FROM DAMAGING ADJACENT SURFACES AND FACILITIES.
 - APPLY PAINT BY AIRLESS SPRAY, SANDING LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL COAT ON FLAT SURFACES, APPLY MATERIAL TO ACHIEVE A COATING NO THINNER THAN THE DRY FILM THICKNESS INDICATED.
 - APPLY BLOCK FILTER TO CONCRETE BLOCK CONSTRUCTION AT A RATE TO ENSURE COMPLETE COVERAGE WITH PORES COMPLETELY FILLED.
 - CONTRACTOR SHALL CORRECT RUNS, SACS, MISSES AND OTHER DEFECTS INCLUDING INADEQUATE COVERAGE AS DIRECTED BY THE CINGULAR WIRELESS CONSTRUCTION MANAGER. REPAINT AS NECESSARY TO ACHIEVE SURFACES WHICH ARE SMOOTH, EVENLY COATED WITH UNIFORM SHEEN AND FREE FROM BLEMISHES.
- B. PAINTING SCOPE
- PAINT THE FOLLOWING MATERIALS AND SYSTEMS CHECKED BELOW WITH THE COATING SYSTEM INDICATED.

PAINTING SCOPE				
SURFACE TO BE PAINTED	COATING SYSTEM	PAINT	DO NOT PAINT	N/A
BTS UNIT				
ALL EQUIPMENT & CABINETS OTHER THAN THE BTS UNIT				
ANTENNA COVERS, TILT BRACKETS, MOUNTING BRACKETS AND ASSOCIATED HARDWARE, CABLE AND CABLE COVERS EXPOSED TO VIEW, EXPOSED CONDUIT AND HANGERS, ETC.				
FLASHING UNITS, METAL TRIM AND OTHER METAL SURFACES				
STUCCO, CONCRETE, CONCRETE BLOCK AND CEMENTIOUS TYPE FINISH SYSTEMS				
PLYWOOD, LUMBER AND WOOD TRIM INCLUDING THE BACK SIDE OF ALL SCREENWALLS				
DRYWALL				
CONCRETE POLES				
METAL POLES AND METAL POLE STAND-OFF				

- C. COATING SYSTEM SPECIFICATIONS
- DTM ACRYLIC COATING (SERIES B66) BY SHERWIN WILLIAMS CO. 1MIL DFT PER COAT APPLIED IN TWO COATS OVER DTM BONDING PRIMER (B66A50).
 - 100% ACRYLIC, LATEX COATING EQUIVALENT TO A-100 (SERIES A-82) BY SHERWIN WILLIAMS CO. 1 MIL DFT PER COAT APPLIED IN TWO COATS OVER SPECIFIED PRIMER PAINT & PRIMER

- D. ANTENNAS
- PRIMER – KEM AQUA E61--W525
- TOPCOAT – COROTHANE II B65W200/B60V22

- BTS CABINET
- PRIMER – KEM AQUA E61--W525
- TOPCOAT – COROTHANE II B65W200/B60V22

- COAXIAL JUMPER CABLES
- PRIMER – AS REQUIRED FOR ADHESION. APPLY ONE COAT OF KEM AQUA WATER REDUCIBLE PRIMER E61W25 REDUCED 25%
- TOPCOAT – 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

- RAW STEEL
- PRIMER – KEM BOND HS B50WZ4, DMT ACRYLIC PRIMER
- TOPCOAT – 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

- GALVANIZED METAL
- ACID ETCH WITH COMMERCIAL ETCH OR VINEGAR PRIMER COAT AND FINISH COAT (GALVITE HIGH SOLIDS OR DTM PRIMER/FINISH)

- STAINLESS STEEL
- PRIMER – OTM WASH PRIMER, B71Y1
- TOPCOAT – 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

- PRE-PRIMED STEEL
- TOUCH UP ANY RUST OR UN-PRIMED STEEL WITH KEM BOND HS, SS0WZ4

- ALUMINUM & COPPER
- PRIMER – DTM WASH PRIMER, B71Y1
- TOPCOAT – 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

- XONCRETE MASONRY
- PRIMER – PRO MAR EXTERIOR BLOCK FILLER
- TOPCOAT – 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH

- XONCRETE STUCCO(EXISTING)
- 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH

- STUCCO
- PRIMER – PRO MAR MASONRY CONDITIONER B-46-W21000
- TOPCOAT – SUPERPAINT A-80 SERIES A-89 SATIN A-84 GLOSS

- WOOD
- PRIMER – A-100 EXTERIOR ALKYD W009D PRIMER Y-24W20
- TOPCOAT – 2 COATS A-100 LATEX HOUSE & TRIM SHEEN TO MATCH ADJACENT SURFACES

- FIELD CUTS/DAMAGE(PRIOR TO PRIME & PAINT)
- FIRST & SECOND COAT – CUPRINOL CLEAR WOOD PRESERVATIVE #158-0356
- ALL PENETRATIONS INTO FINISHED CLU-LAMS SHALL BE CAULKED WITH "SIKAFLEX" SEALANT

- STEEL TOUCH UP
- STEEL THAT HAS BEEN WELDED, CUT OR SCRATCHED IN THE FIELD SHALL BE TOUCHED UP WITH COLD GALVANIZED PAINT



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VMW

LK

LK

LICENSURE:

SHEET TITLE:

ABBREVIATIONS,
SPECIFICATIONS &
SYMBOLS

SHEET NUMBER: REVISION:

T-3

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SF40883A

GENERAL NOTES

1. ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND CBC–2019 SPECIFICATIONS.
2. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND CONDITIONS OF ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY SUBCONTRACTORS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE STRUCTURAL ENGINEER IMMEDIATELY AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
3. STRUCTURAL DRAWINGS SHALL WORK IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
4. DESIGN, MATERIALS, EQUIPMENT, AND PRODUCTS OTHER THAN THOSE DESCRIBED OR INDICATED ON THE DRAWINGS MAY BE CONSIDERED FOR USE PROVIDED PRIOR APPROVAL IS OBTAINED FROM THE STRUCTURAL ENGINEER.
5. ALL CONDITIONS SHOWN OR NOTED AS EXISTING ARE BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS. NO WARRANTY IS IMPLIED TO THEIR ACCURACY. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS. SHOULD CONDITIONS BECOME APPARENT THAT DIFFER FROM THE CONDITIONS SHOWN, THEY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE PROFESSIONAL ENGINEER. PROFESSIONAL ENGINEER WILL THEN PREPARE ADDITIONAL DRAWINGS AS MAY BE NEEDED TO ACCOMMODATE THE CONDITIONS AS BROUGHT TO THEIR ATTENTION.
6. MECHANICAL EQUIPMENT MUST BE FIRMLY ATTACHED TO THE STRUCTURE. ISOLATORS, FASTENERS, AND OTHER ELEMENTS PROVIDING STABILITY FOR MECHANICAL EQUIPMENT SHALL BE CAPABLE OF TRANSMITTING CODE REQUIRED LOADS, BUT IN NO EVENT LESS THAN A SHEAR LOAD EQUIVALENT TO 0.45 TIMES THE OPERATING WEIGHT OF THE EQUIPMENT.
7. WATERPROOFING: SEE ARCHITECTURAL DRAWINGS.
8. THE FOUNDATION DESIGN IS BASED ON CBC–2019 TABLE 1806.2. ALLOWABLE SOIL BEARING VALUE IS 1500.
9. THE NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS.
10. TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE.

CONCRETE

1. ALL POURED–IN–PLACE CONCRETE SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. UNLESS OTHERWISE NOTED, CEMENT TO BE TYPE–8 FROM TESTED STOCK PER ASTM C–150.
2. CONCRETE FORM TOLERANCES SHALL BE WITHIN THE STANDARDS SET BY THE AMERICAN CONCRETE INSTITUTE.
3. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS OR OTHER INSERTS SHALL BE SECURED IN POSITION AND INSPECTED BY THE LOCAL BUILDING DEPARTMENT INSPECTOR PRIOR TO THE POURING OF ANY CONCRETE.
4. NO PIPES OR DUCTS SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR LOCATIONS.
5. FORM EXPOSED CORNERS OF COLUMNS, BEAMS, WALLS, ETC. WITH 3/4” CHAMFERS UNLESS DETAILED OTHERWISE.
6. PROVIDE LIGHT BROOM FINISH ON ALL EXPOSED CONCRETE UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL

1. THE LABOR, MATERIALS AND EXECUTION REQUIRED FOR ALL CONCRETE WORK AS INDICATED ON THE DRAWINGS SHALL BE IN ACCORDANCE WITH THOSE APPLICABLE PORTIONS OF CHAPTER 22 OF THE LATEST ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE.
2. STRUCTURAL STEEL NOT ENCASED IN CONCRETE SHALL BE SHOP PAINTED WITH TNEMEC99 METAL PRIMER OR APPROVED EQUIVALENT.
3. UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE ASTM A307. THIS INCLUDES EXPANSION/ADHESIVE ANCHORS. BOLTED CONNECTIONS SHALL CONFORM TO AISC SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
4. UNLESS NOTED OTHERWISE ALL WELDS PER THE LATEST EDITIONS OF THE AWS STANDARDS SHALL CONFORM TO AISC SPECIFICATIONS. WELDING SHALL BE PERFORMED BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. THESE DRAWINGS DO NOT DISTINGUISH BETWEEN SHOP AND FIELD WELDS.
5. CONTRACTOR IS PERMITTED TO CUT AND WELD ANTENNA SUPPORT ASSEMBLY ARMS AS NECESSARY TO MEET THE LENGTH REQUIREMENTS IN THE FIELD. WELDS SHALL CONSIST OF A 3/16” FILLET ALL THE WAY AROUND FOR 1/4” THICK STEEL OR LESS AND 3/8” FILLET WELD FOR STEEL 1/2” THICK OR LESS. CONTRACTOR SHALL RESTORE CORROSION BARRIER WITH AN APPROVED PAINT IN ACCORDANCE WITH BS 729–1971 AND PREN 1029.”

6. MATERIAL CONFORMANCE:

A. WIDE FLANGE STEEL SECTIONS PER ASTM A572 OR A992 WITH FY = 50 KSI

B. PIPES SECTIONS PER ASTM A501 WITH FY = 36 KSI

C. TUBE STEEL SECTIONS PER ASTM A500 WITH FY = 46 KSI

D. COLD FORMED STEEL PER ASTM A653 WITH FY = 50 KSI

E. WELDING ELECTRODES PER AWS CODE, E70XX UNLESS NOTED OTHERWISE ON PLANS

F. ALL OTHER MISCELLANEOUS STEEL SHALL BE ASTM A36 WITH FY = 36 KSI UNLESS NOTED OTHERWISE ON THE PLANS

ADHESIVE / MECHANICAL ANCHORS

1. ALL POST–INSTALLED ANCHORS SHALL BE PER SIMPSON OR HILTI MANUFACTURING AS INDICATED ON THE PLANS.
2. MECHANICAL ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING APPROVAL CODES:

FOR HILTI KWIK BOLT TZ ANCHORS, INSTALLATION SHALL COMPLY WITH ICC–ES ESR–1385 AND LARR 25901 FOR ANCHORAGE TO MASONRY. FOR HILTI KWIK BOLT ANCHORS, INSTALLATION SHALL COMPLY WITH ICC–ES ESR–1917 AND LARR 25701 FOR ANCHORAGE TO CONCRETE.

ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING APPROVAL CODES:

FOR SIMPSON SET–XP EPOXY ANCHORS, INSTALLATION SHALL BE IN ACCORDANCE WITH ICC–ES ESR–2508 AND LARR 25744 FOR ANCHORAGE TO CONCRETE, IAPMO UES ER–265 AND LARR 25965 FOR ANCHORAGE TO MASONRY.

FOR HILTI HIT–HY 200 EPOXY ANCHORS, INSTALLATION SHALL BE IN ACCORDANCE WITH ICC ESR–3187 AND LARR 25964 FOR ANCHORAGE TO CONCRETE.

3. ALLOW A MINIMUM OF 72 HOURS AFTER NEW CONCRETE IS PLACED PRIOR TO LOCATING MECHANICAL OR ADHESIVE ANCHORS. ALL MECHANICAL/ADHESIVE ANCHORS REQUIRE SPECIAL STRUCTURAL INSPECTION PER THE BUILDING CODE.
- SPECIAL STRUCTURAL INSPECTION – STRUCTURAL ONLY
1. SPECIAL STRUCTURAL INSPECTION IS TO BE PROVIDED FOR THE ITEMS LISTED BELOW IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE BUILDING JURISDICTION. SPECIAL STRUCTURAL INSPECTION IS REQUIRED FOR THE FOLLOWING:
- | VERIFICATION AND INSPECTION | INSPECTION TYPE | REFERENCE STANDARD |
|------------------------------|-----------------|--|
| STEEL CONSTRUCTION | | |
| WELDING | | |
| AT FLOOR AND ROOF DECK WELDS | X | AWS D1.3 |
| FOR REINFORCING STEEL | X | AWS D1.4, ACI 318 |
| FOR STRUCTURAL STEEL | X | |
| CONCRETE CONSTRUCTION | | |
| REINFORCING STEEL | X | ACI 318: 3.5, 7.1–7.7 |
| POST–INSTALLED ANCHORS | X | ACI 318: 3.8.6, 8.1.3, 21.2.8 |
| USE OF REQUIRED DESIGN MIX | X | ACI 318: CHAPTER 4, 5.2–5.4 |
| MASONRY CONSTRUCTION | | |
| | | TMS 402 AND 602/ ACI 530/ASCE 5, 6 |
| REINFORCING STEEL | X | |
| GROUT PLACEMENT | X | |
| CLEANOUTS PRIOR TO CLOSURE | X | |
| POST–INSTALLED ANCHORS | X | LARR 25891, LARR 25701
LARR 25965, LARR 25964 |
2. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN THAT IT CONFORMS TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE SPECIAL INSPECTOR IS NOT AUTHORIZED TO APPROVE DEVIATIONS FROM THE DESIGN DRAWINGS OR SPECIFICATIONS AND ALL DEVIATIONS MUST BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO PROCEEDING WITH THE WORK. ALL REQUESTS FOR DEVIATIONS SHALL BE INITIATED BY THE CONTRACTOR VIA A WRITTEN REQUEST FOR INFORMATION.

3. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ENGINEER OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL.

4. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SPECIAL INSPECTOR ACCESS TO ALL ITEMS REQUIRING SPECIAL INSPECTION. INSPECTOR IS NOT AUTHORIZED TO OPERATE CONTRACTOR’S EQUIPMENT.

5. FOR ADDITIONAL INFORMATION ON SPECIAL STRUCTURAL INSPECTIONS, CONTACT THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION.
-
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FERNDALE, CA 95536
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- DRAWN BY:CHK.:APV.:

VMW LK LK
- LICENSURE:
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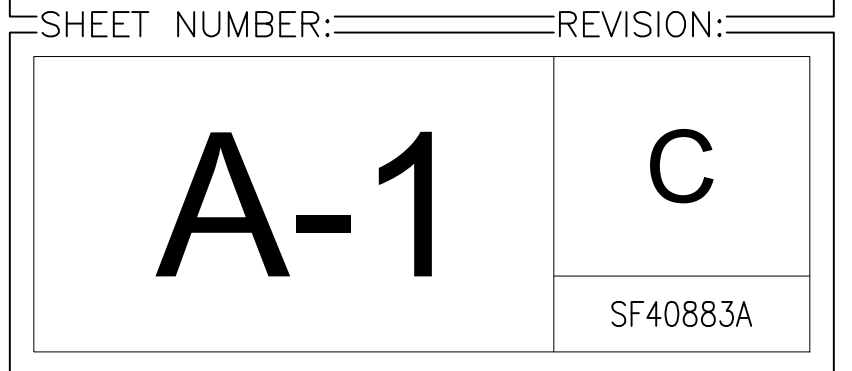
GENERAL STRUCTURAL
NOTES
- SHEET NUMBER:REVISION:

T-4C

SF40883A



SCALE:		1
1"=20'-0"		



KEYNOTES:

- 1 (E) ACCESS DOOR
- 2 (E) T-MOBILE FIBER CIENA
- 3 (E) T-MOBILE TELCO BOX
- 4 (E) T-MOBILE GEN PLUG
- 5 (E) T-MOBILE CABLE ENTRY PORT
- 6 (E) EQUIPMENT ROOM WALL
- 7 (E) T-MOBILE EQUIPMENT RACK
- 8 (E) T-MOBILE BATTERY RACK
- 9 (E) T-MOBILE SUB PANEL
- 10 (E) BUILDING
- 11 (N) T-MOBILE DISCONNECT SWITCH ON (N) H-FRAME

4D-1
- 12 (N) T-MOBILE ATS ON (N) H-FRAME

4D-1
- 13 (N) PORTABLE FIRE EXTINGUISHER WITH 18 LBS CAPACITY B:C RATING INSTALLED INSIDE APPROVED RED CABINET ON (N) H-FRAME

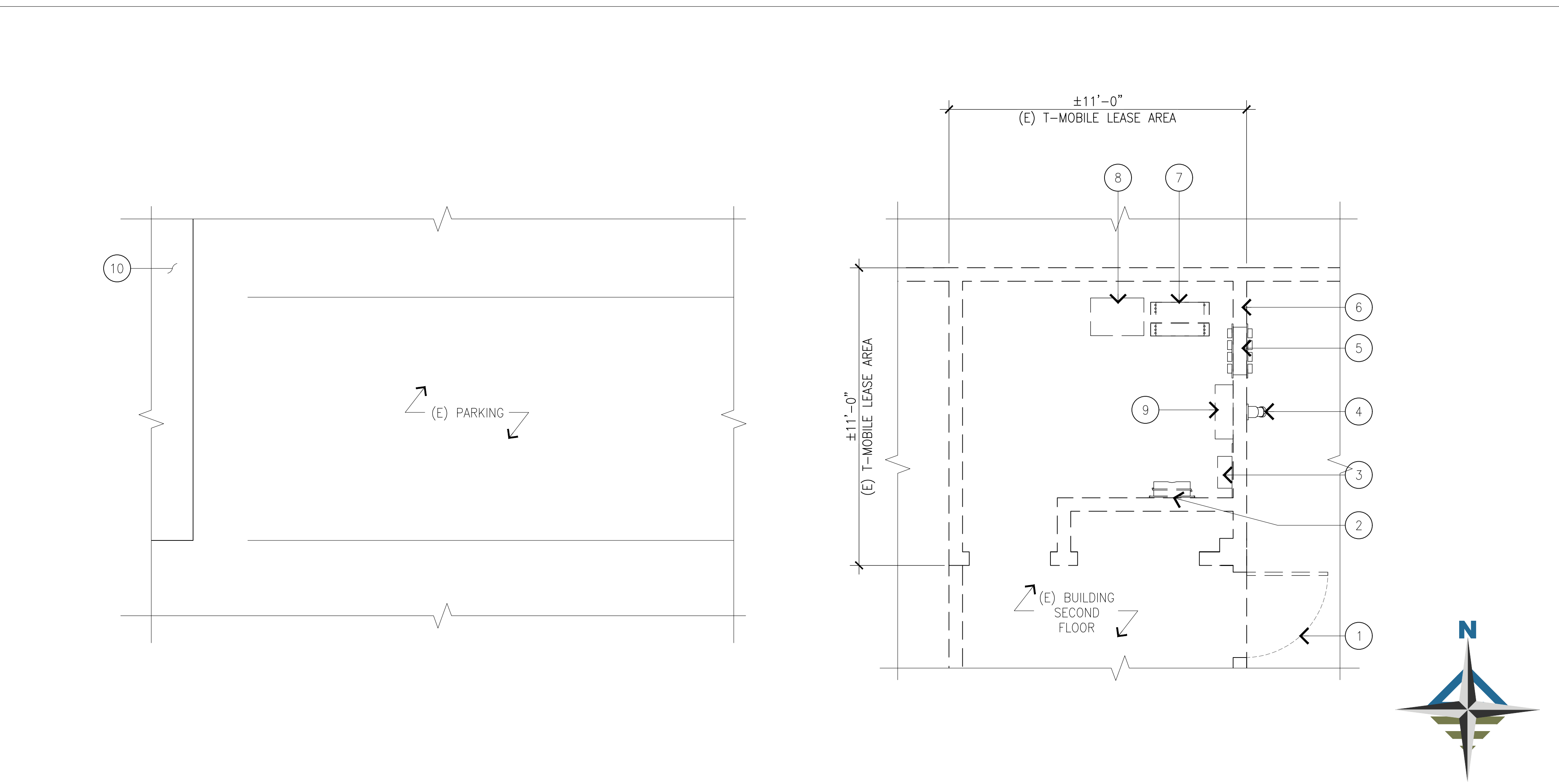
4D-1
- 14 (N) T-MOBILE GENERAC 25 KW DIESEL GENERATOR WITH

1,2D-1

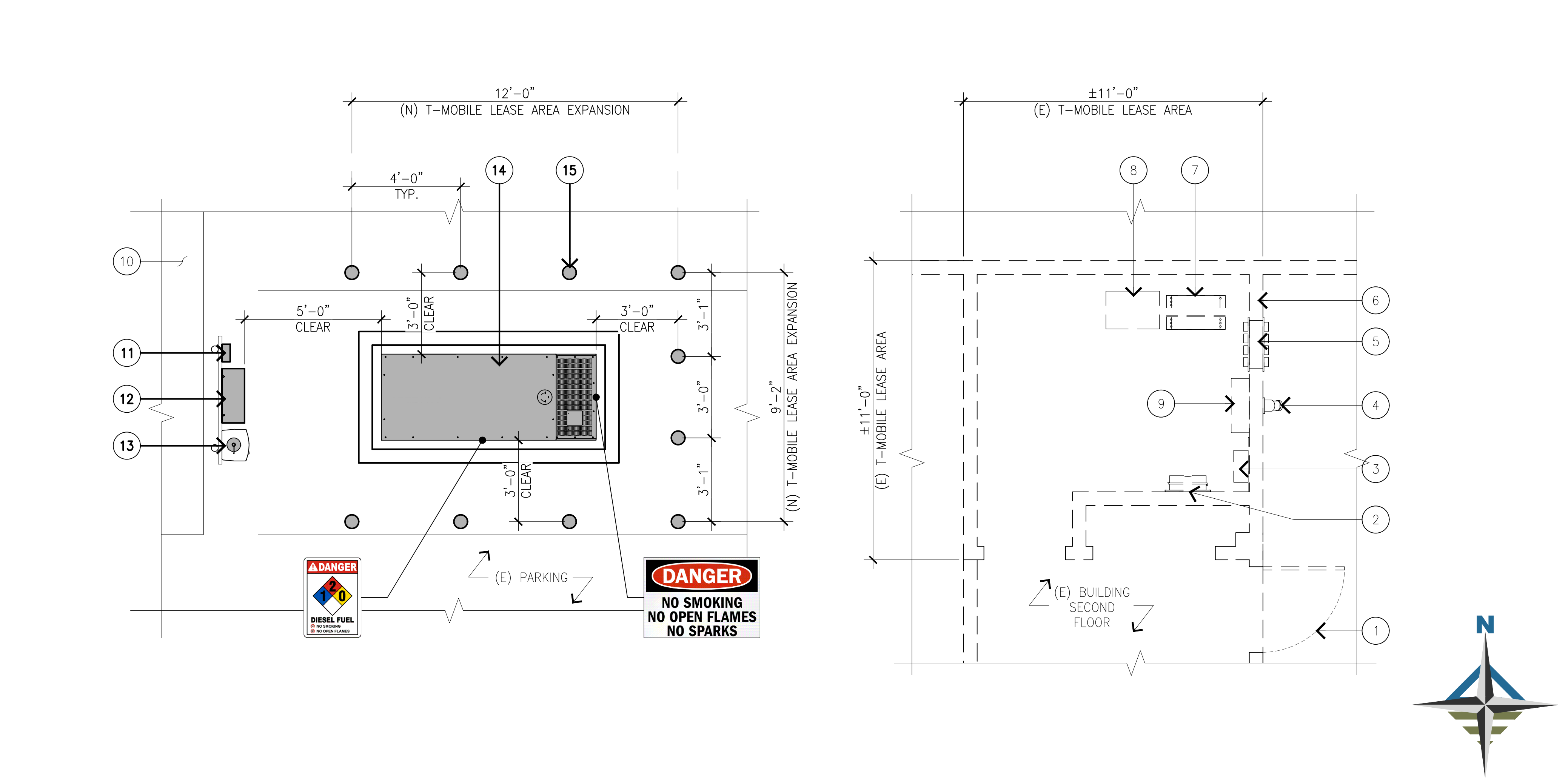
3D-1

 TANK ON (N) CONCRETE SLAB
- 15 (N) FIXED BOLLARDS, TYP. OF (10)

5D-1



(E) EQUIPMENT LAYOUT PLAN



(N) EQUIPMENT LAYOUT PLAN

FIRE DEPARTMENT NOTES:

1. AT NO TIME WILL ANY FLAMMABLE OR COMBUSTIBLE LIQUID (e.g. PETROLEUM GASOLINE, DIESEL, OR SIMILAR) WILL BE STORED ON SITE.
2. PROVIDE PORTABLE FIRE EXTINGUISHER WITH 18 LBS CAPACITY AND A B:C RATING. EXTINGUISHER WILL BE PROVIDED IS SUFFICIENT.
3. THE AREA NEEDS TO BE CLEAR OF WEEDS, GRASS, BRUSH, TRASH AND ANY OTHER COMBUSTIBLE MATERIALS WITH A MINIMUM OF TEN (10) FEET IN ALL DIRECTIONS FROM GENERATOR.



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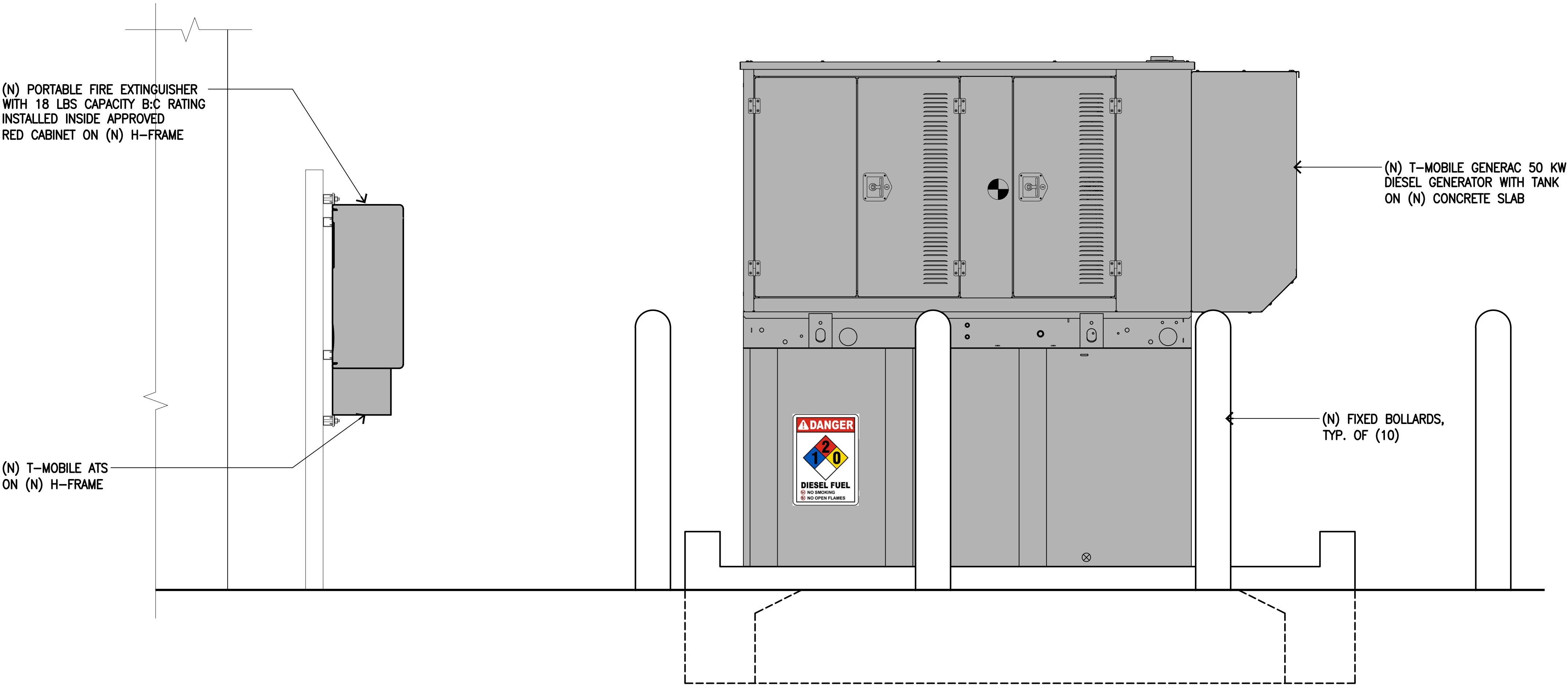
EQUIPMENT
LAYOUT PLAN

SHEET NUMBER: REVISION:

A-2

C

SF40883A



SOUTH ELEVATION

SCALE:
1"=1'-0"

0

0.5'

1'

2'

1

NOT USED

2

T

Mobile

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DRAWN BY:	CHK.:	APV.:
VMW	LK	LK

LICENSURE:

SHEET TITLE:

EQUIPMENT ELEVATION

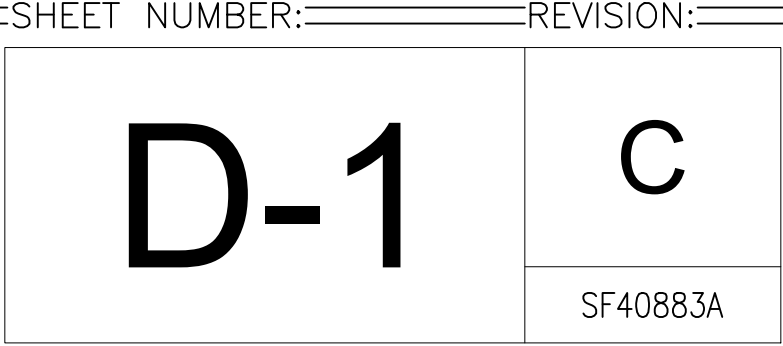
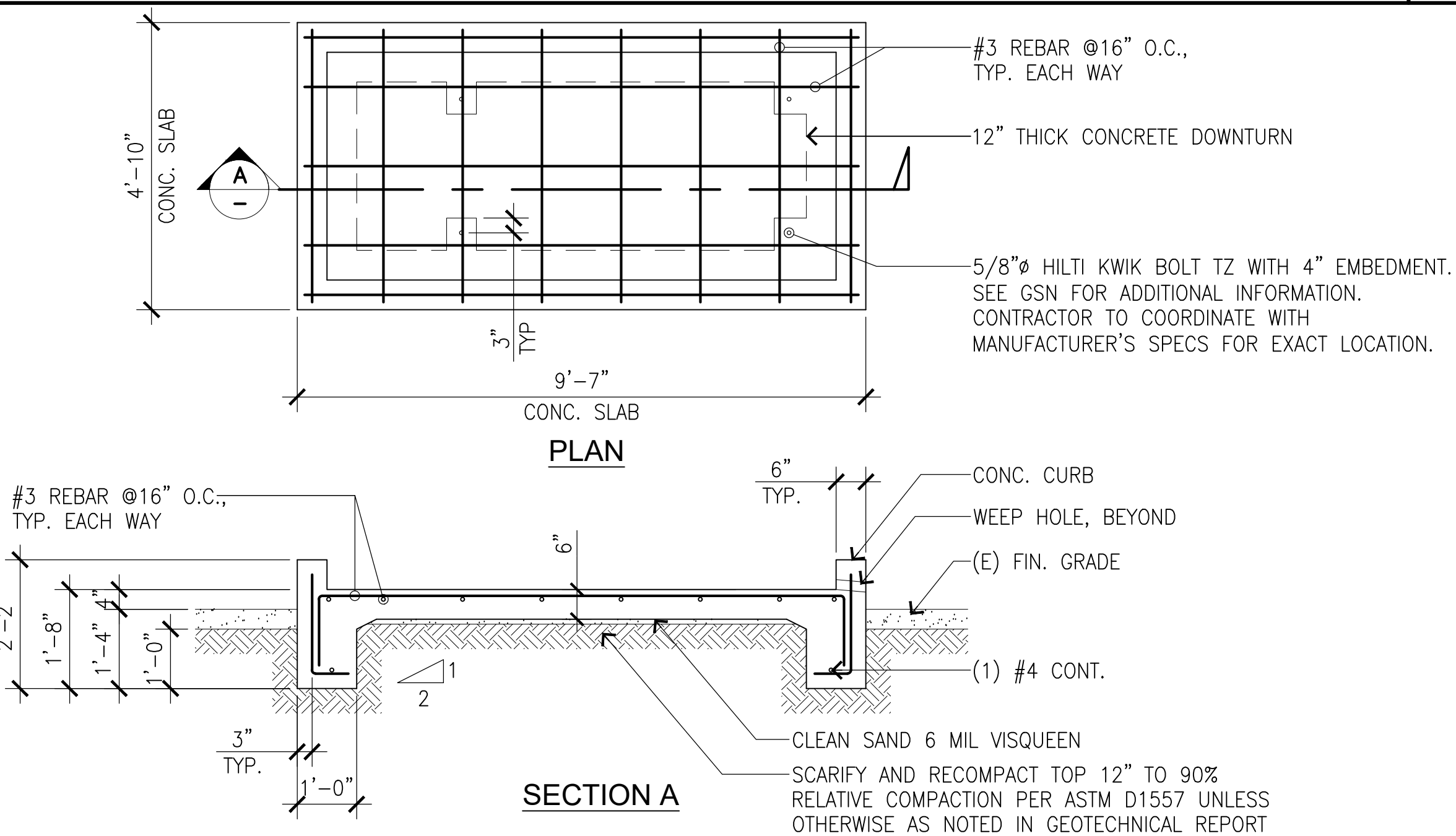
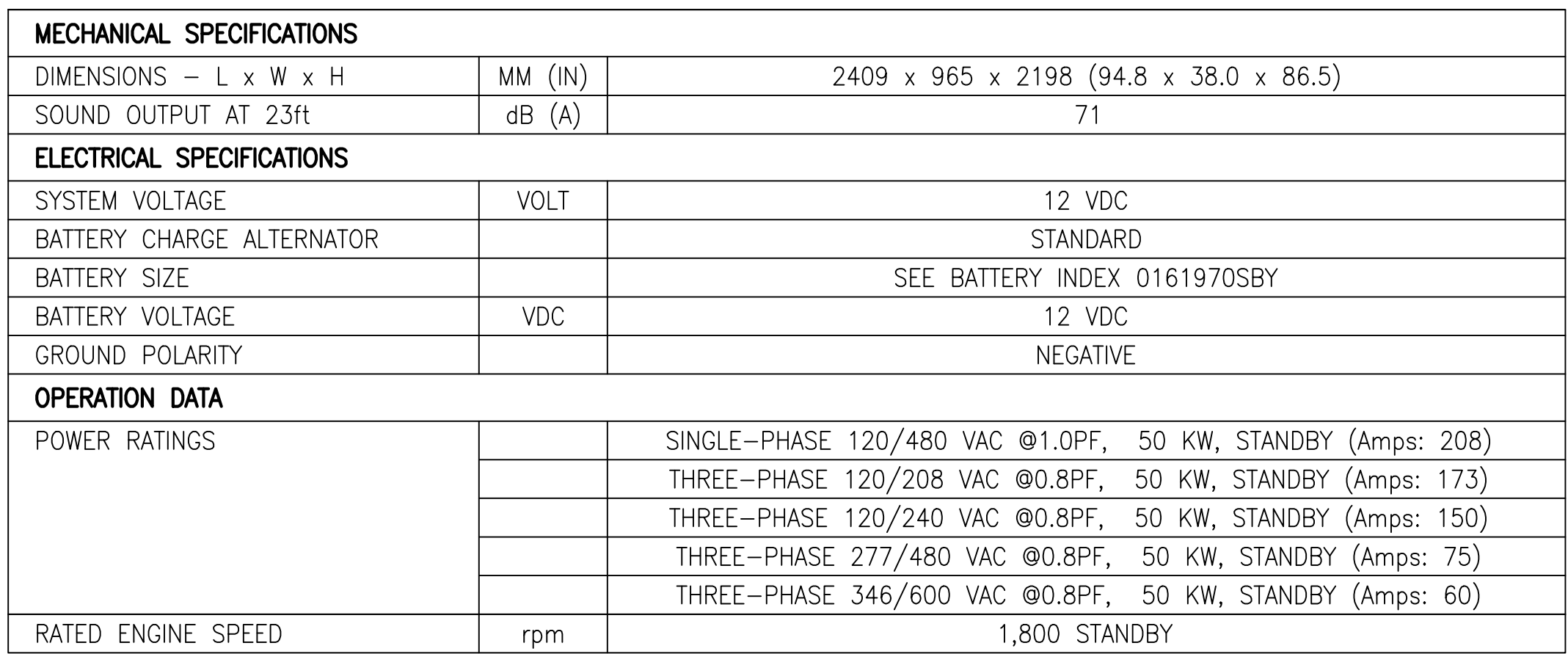
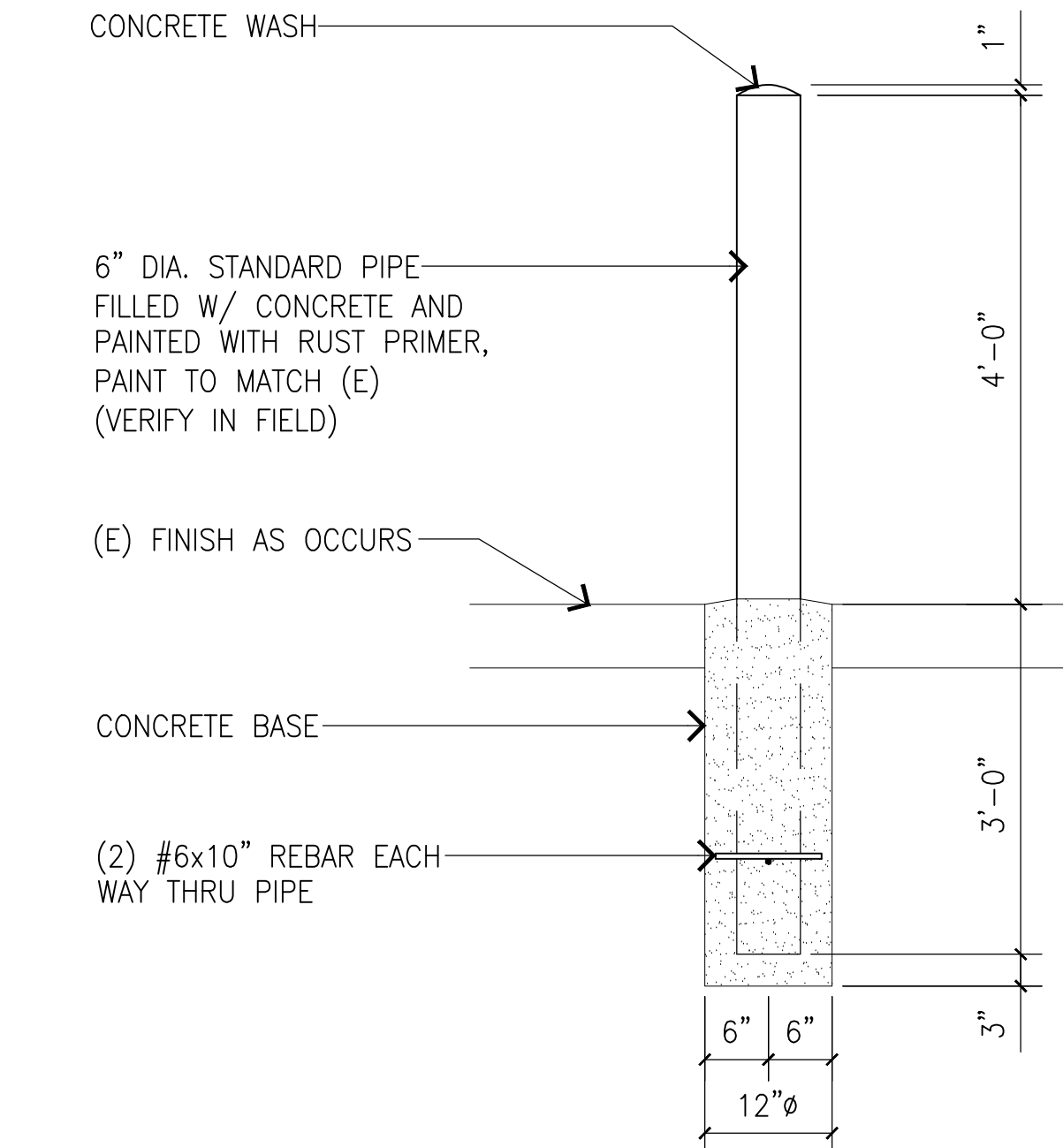
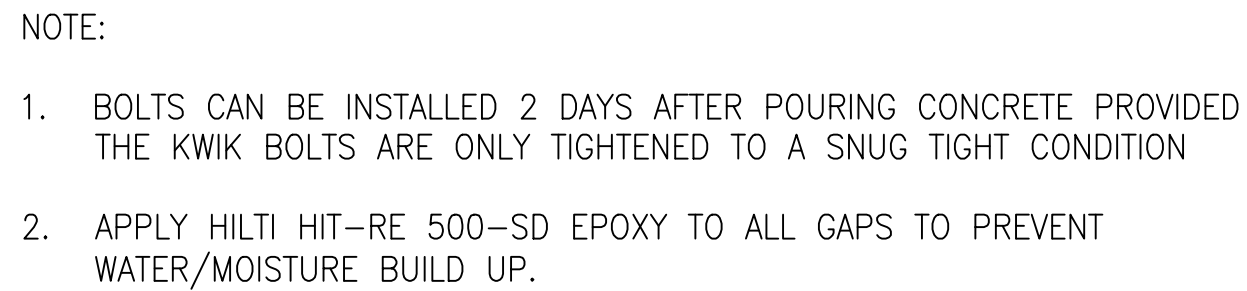
SHEET NUMBER:

A-3

REVISION:

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SF40883A



SD050 | 3.4L | 50 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency



Standby Power Rating
50 kW, 63 kVA, 60 Hz

Prime Power Rating*
45 kW, 56 kVA, 60 Hz



*EPA Certified Prime ratings are not available in the US or its Territories



Image used for illustration purposes only

Codes and Standards

Generac products are designed to the following standards:

	UL2200, UL508, UL489, UL142
	CSA 22.2
	BS5514 and DIN 6271
	SAE J1349
	NFPA 37, 70, 99, 110
	NEC700, 701, 702, 708
	ISO 3046, 7637, 8528, 9001
	NEMA ICS10, MG1, 250, ICS6, AB1
	ANSI C62.41
	IBC 2009, CBC 2010, IBC 2012, ASCE 7-05, ASCE 7-10, ICC-ES AC-156 (2012)

Powering Ahead

For over 50 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.

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STANDARD FEATURES

ENGINE SYSTEM

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Exhaust Silencer (Enclosed Only)

Fuel System

- Fuel Lockoff Solenoid
- Primary Fuel Filter

Cooling System

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze
- 120 VAC Coolant Heater

Electrical System

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM

- GE/Protolap™
- 12 Leads (3-Phase, Non 600V)
- Class H Insulation Material
- Verted Rotor
- 2/3 Pitch
- Sleaved Stator
- Auxiliary Voltage Regulator Power Winding
- Brushless Excitation
- Sealed Bearing
- Automated Manufacturing (Winding, Insertion, Lacing, Varnishing)
- Rotor Dynamically Spin Balanced
- Amorlessaur Winding
- Full Load Capacity Alternator
- Protective Thermal Switch

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood
- Silencer of Heat Shield

ENCLOSURE (If Selected)

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuation Enclosures)
- Gasketed Doors
- Stamped Air-Intake Louvers
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

TANKS (If Selected)

- UL 142
- Double Wall Construction
- Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested - 2 psi (14 kPa)
- Rupture Basin Alarm
- Fuel Level
- Check Valve In Supply and Return Lines
- RhinoCoat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

CONTROL SYSTEM



Digital H Control Panel- Dual 4x20 Display

Program Functions

- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232C/485 Communications
- 3-Phase Sensing Digital Voltage Regulator
- 2-Wire Start Capability
- Date/Time Fault History (Event Log)
- Isynchronous Governor Control
- Waterproof Sealed Connectors

audible Alarms and Shutdowns

- Not In Auto (Flashing Light)
- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFPA110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus™ Protocol
- Predictive Maintenance Algorithm
- Sealed Boards
- Password Parameter Adjustment Protection
- Single Point Ground
- 16 Channel Remote Trending
- 0.2 msec High Speed Remote Trending
- Alarm Information Automatically Annunciated on the Display

Full System Status Display

- Power Output (kW)
- Power Factor
- kW Hours, Total, and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents

Oil Pressure

- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency

Alarms and Warnings

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Overtemp
- Battery Voltage
- Alarms and Warnings Time and Date Stamped
- Snap Shots of Key Operation Parameters During Alarms and Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)

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CONFIGURABLE OPTIONS

ENGINE SYSTEM

- Oil Make-Up System
- Oil Heater
- Industrial Exhaust Silencer (Open Set)

FUEL SYSTEM

- Flexible Fuel Lines
- Primary Fuel Filter

ELECTRICAL SYSTEM

- 10A UL Battery Charger
- 2-24A UL Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Upgrading
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

GENERATOR SET

- GenLink® Communications Software (English Only)
- 8 Position Load Center

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Short Trip and Auxiliary Contact
- Electronic Trip Breakers

ENCLOSURE

- Weather Protected Enclosure
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Level 2 Sound Attenuation with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- AC/DC Enclosure Lighting Kit
- Door Alarm Switch

WARRANTY (Standby Gensets Only)

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

CONTROL SYSTEM

- NFPA 110 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Oil Temperature Sender with Alarm
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- Remote Communication - Modem
- 10A Run Relay
- Ground Fault Indication and Protection Functions

TANKS (Size On Last Page)

- Electric Fuel Level
- Mechanical Fuel Level
- 8 in (203.2 mm) Fill Extension
- 13 in (330.2 mm) Fill Extension
- 19 in (482.6 mm) Fill Extension

ENGINEERED OPTIONS

ENGINE SYSTEM

- Coolant Heater Ball Valves
- Fuel Conservation Plan
- Block Heaters

CONTROL SYSTEM

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

ALTERNATOR SYSTEM

- 3rd Breaker System

GENERATOR SET

- Special Testing
- IBC Seismic Certification

ENCLOSURE

- Door Switch for Intrusion Alarm
- Enclosure Ambient Heaters

TANKS

- Overfill Protection Valve
- UL2085 Tank
- ULC-S-601 Tank
- Stainless Steel Tanks
- Special Fuel Tanks (MDEQ and FL DEP/DERM, etc.)
- Vent Extensions

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APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General		Cooling System	
Make	Generac	Cooling System Type	Closed Recovery
EPA Emissions Compliance	Stationary Emergency	Water Pump Type	Pre-Lubed, Self Sealing
EPA Emissions Reference	See Emission Data Sheet	Fan Type	Pusher
Cylinder #	4	Fan Speed - rpm	2,250
Type	In-Line	Fan Diameter - in (mm)	560 (22)
Displacement - in³ (L)	207.45 (3.4)	Fuel System	
Bore - in (mm)	3.86 (98)	Fuel Type	Ultra Low Sulfur Diesel Fuel #2
Stroke - in (mm)	4.45 (113)	Fuel Specifications	ASTM
Compression Ratio	18.5:1	Fuel Filtration (microns)	10
Intake Air Method	Turbocharged/Aftercooled	Fuel Inject Pump	Bosch (VE)
Cylinder Head	Cast Iron (OHV)	Fuel Pump Type	Engine Driven Gear
Piston Type	Aluminum	Injector Type	Pin-In - 2,100 psi (14,473 kPa)
Crankshaft Type	Forged Steel	Fuel Supply Line - in (mm)	0.312 (7.92) NPT
		Fuel Return Line - in (mm)	0.312 (7.92) NPT
Engine Governing		Engine Electrical System	
Governor	Electronic Isochronous	System Voltage	12 VDC
Frequency Regulation (Steady State)	±0.25%	Battery Charger Alternator	Standard
Lubrication System		Battery Size	See Battery Index 0161970GBY
Oil Pump Type	Gear	Battery Voltage	12 VDC
Oil Filter Type	Full Flow Cartridge	Ground Polarity	Negative
Crankcase Capacity - qt (L)	7.4 (7)		

ALTERNATOR SPECIFICATIONS

Standard Model	Generac 300 mm	Standard Excitation	Synchronous Brushes
Phase	4	Bearings	Single Sealed Cartridge
Field Type	Revolving	Coupling	Direct via Flexible Disc
Insulation Class - Rotor	H	Load Capacity - Standby	100%
Insulation Class - Stator	H	Prototype Short Circuit Test	Yes
Total Harmonic Distortion	<5% (3-Phase)	Voltage Regulator Type	Digital
Telephone Interference Factor (TEF)	< 50	Number of Sensed Phases	All
		Regulation Accuracy (Steady State)	±0.25%

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OPERATING DATA

POWER RATINGS

		Standby	
Single-Phase 120/240 VAC @1.0pf	50 kW	Amps: 208	
Three-Phase 120/208 VAC @0.8pf	50 kW	Amps: 173	
Three-Phase 120/240 VAC @0.8pf	50 kW	Amps: 150	
Three-Phase 277/480 VAC @0.8pf	50 kW	Amps: 75	
Three-Phase 346/600 VAC @0.8pf	50 kW	Amps: 60	

STARTING CAPABILITIES (sKVA)

		sKVA vs. Voltage Dip					
		277/480 VAC			208/240 VAC		
Alternator	kW	10%	15%	20%	25%	30%	35%
Standard	50	34	52	69	86	103	120
Upsize 1	60	42	63	83	104	125	145
Alternator	kW	10%	15%	20%	25%	30%	35%
Standard	50	26	39	52	65	77	90
Upsize 1	60	32	47	62	78	94	110

FUEL CONSUMPTION RATES*

		Diesel - gph (lph)	
		Percent Load	Standby
Fuel Pump Lift - ft (m)	3 (1)	25%	1.3 (4.9)
		50%	2.3 (8.7)
		75%	3.3 (12.5)
		100%	4.3 (16.4)
Total Fuel Pump Flow (Combustion + Return) - gph (lph)	3.57 (13.51)		

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

COOLING

		Standby	
Coolant Flow	gpm (lpm)	12.2 (46)	
Coolant System Capacity	gal (L)	2.5 (9.5)	
Heat Rejection to Coolant	BTU/hr (kW)	135,900 (39.8)	
Initial Air	cfm (m³/hr)	7,500 (212)	
Maximum Operating Ambient Temperature	°F (°C)	122 (50)	
Maximum Ambient Temperature (Before Derate)	°F (°C)	See Bulletin No. 0198280SSD	
Maximum Radiator Backpressure	in H ₂ O (kPa)	0.5 (0.12)	

COMBUSTION AIR REQUIREMENTS

		Standby
Flow at Rated Power cfm (m³/min)		168 (4.7)

ENGINE		EXHAUST	
Standby		Standby	
Rated Engine Speed	rpm	1,800	
Horsepower at Rated kW**	hp	86	
Rated Speed	rpm (m³/min)	1,335 (406.9)	
Exhaust Temp (Rated Output)	°F (°C)	1,044 (562)	

** Refer to "Emissions Data Sheet" for maximum HP for EPA and ICAQMD permitting purposes.

Deration - Operational characteristics consider maximum ambient conditions. Derate factors may apply under typical site conditions. Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO2046, BS5514, ISO8528, and DIN6271 standards. Standby - See Bulletin 0167500SS8 Prime - See Bulletin 0167510SS8

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DIMENSIONS AND WEIGHTS*

OPEN SET (Includes Exhaust Flex)

Run Time - Hours	Usable Capacity - gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
No Tank	76.7 (1,945)	37.4 (950) x 45.2 (1,147)	1,778 (800)
12	54 (204.4)	76.7 (1,945) x 37.4 (950) x 58.2 (1,477)	2,256 (1,024)
30	132 (499.7)	76.7 (1,945) x 37.4 (950) x 70.2 (1,782)	2,480 (1,129)
49	211 (738.7)	76.7 (1,945) x 37.4 (950) x 82.2 (2,087)	2,685 (1,223)
69	300 (1,135.6)	92.9 (2,360) x 37.4 (950) x 85.7 (2,176)	2,758 (1,251)

STANDARD ENCLOSURE

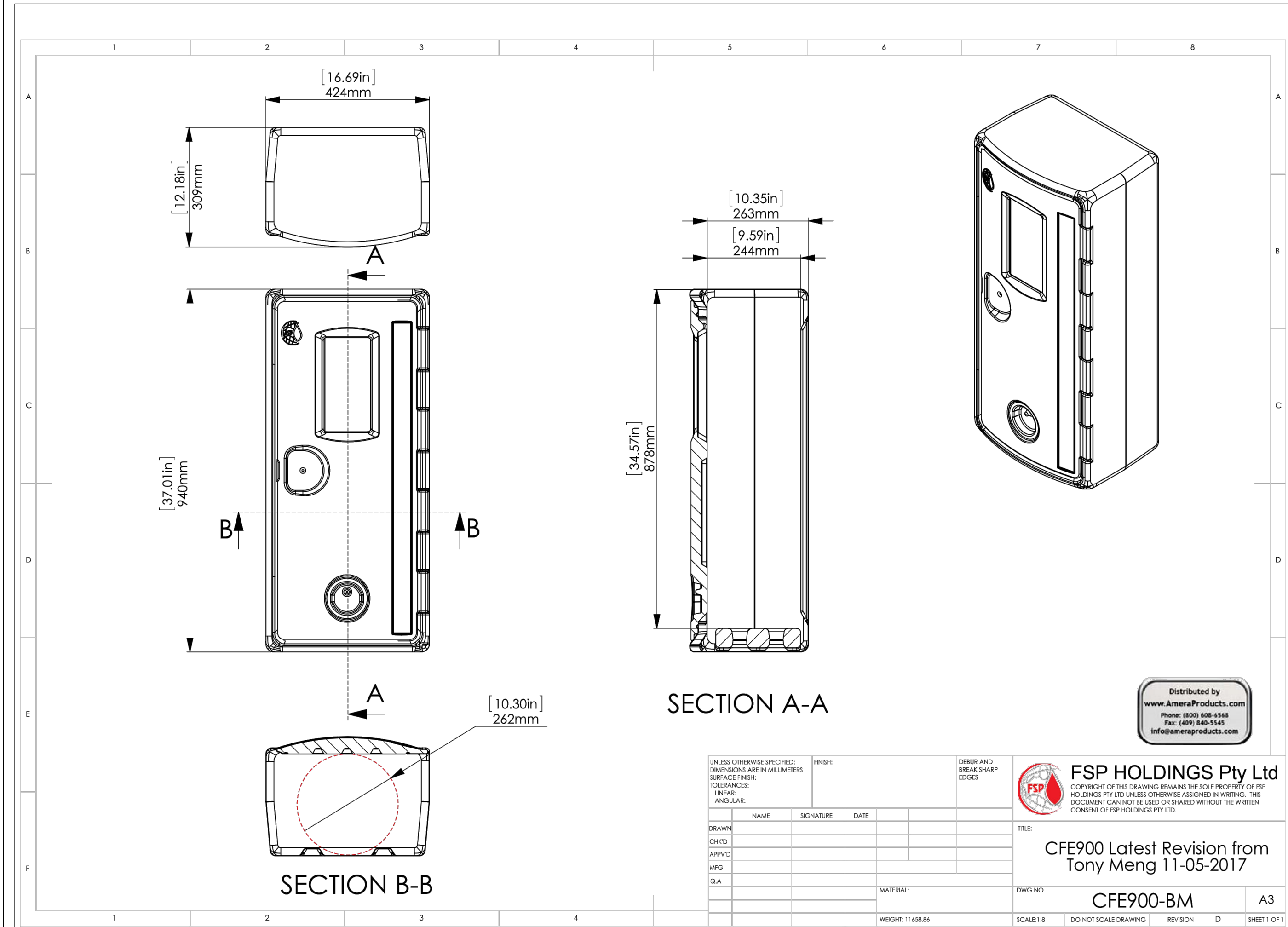
Run Time - Hours	Usable Capacity - gal (L)	L x W x H - in (mm)	Weight - lbs (kg) Enclosure Only	Steel	Aluminum
No Tank	94.8 (2,409)	38.0 (965) x 49.5 (1,258)			
12	54 (204.4)	94.8 (2,409) x 38.0 (965) x 62.5 (1,588)			
30	132 (499.7)	94.8 (2,409) x 38.0 (965) x 74.5 (1,883)	324 (152)		115 (52)
49	211 (738.7)	94.8 (2,409) x 38.0 (965) x 86.5 (2,138)			
69	300 (1,135.6)	94.8 (2,409) x 38.0 (965) x 90.0 (2,287)			

LEVEL 1 ACOUSTIC ENCLOSURE

Run Time - Hours	Usable Capacity - gal (L)	L x W x H - in (mm)	Weight - lbs (kg) Enclosure Only	Steel	Aluminum
No Tank	112.5 (2,857)	38.0 (965) x 49.5 (1,258)			
12	54 (204.4)	112.5 (2,857) x 38.0 (965) x 62.5 (1,588)			
30	132 (499.7)	112.5 (2,857) x 38.0 (965) x 74.5 (1,883)	435 (198)		150 (68)
49	211 (738.7)	112.5 (2,857) x 38.0 (965) x 86.5 (2,138)			
69	300 (1,135.6)	112.5 (2,857) x 38.0 (965) x 90.0 (2,287)			

LEVEL 2 ACOUSTIC ENCLOSURE

Run Time - Hours	Usable Capacity - gal (L)	L x W x H - in (mm)	Weight - lbs (kg) Enclosure Only	Steel	Aluminum
No Tank	94.8 (2,409)	38.0 (965) x 61.0 (1,572)			
12	54 (204.4)	94.8 (2,409) x 38.0 (965) x 74.5 (1,883)			
30	132 (499.7)	94.8 (2,409) x 38.0 (965) x 86.9 (2,207)	520 (238)		179 (81)
49	211 (738.7)	94.8 (2,409) x 38.0 (965) x 90.9 (2,312)			
69	300 (1,135.6)	94.8 (2,409) x 38.0 (965) x 102.4 (2,603)			



FIRE EXTINGUISHER CABINET SPECIFICATION

2

NOT USED

3

AUTOMATIC TRANSFER SWITCH SPECIFICATIONS

1



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

Standard Features

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

Optional Accessories

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



GTS Control Systems

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

Withstand Current - 600 Volt GTS Series

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

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

Unit Dimensions	
GTS Rated Amps	Voltage
Enclosure Height	Enclosure Width
Wall Mount Bolt Pattern	Enclosure Depth
Weight (lbs.)	
100	All
150-200	120/240
150-200	120/208
150-200	277/480
150-200	600
300-400	120/240
300-400	120/208
300-400	277/480
300-400	600

Terminal Lug Wire Ranges

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

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



PROJECT INFORMATION:

(HARDENING NATIONAL - 50kW DIESEL)

SF40883A
FERNDAL

989 MILTON AVENUE
FERNDAL, CA 95536
CITY OF HUMBOLDT

CURRENT ISSUE DATE:

10/05/20

ISSUED FOR:

CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

A	07/27/20	90% CD, ISSUED FOR REVIEW	RC
B	09/29/20	REVISED 90% CD	VMW
C	10/05/20	100% CD	VMW

PLANS PREPARED BY:



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CONSULTANT:



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DRAWN BY: CHK.: APV.:

VMW	LK	LK
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LICENSURE:

SHEET TITLE:

SPECIFICATIONS

SHEET NUMBER: REVISION:

D-3

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SF40883A

CORRESPONDENCE

COMMITTEE COMMENTS

ADJOURN