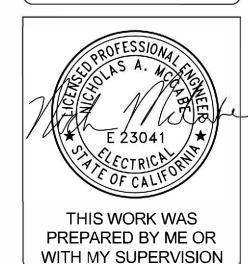


ABBREVIATIONS, NOTES & SCOPE

E0.0

SCALE: NTS

ASSOCIATES, INC.



DESCRIPTION

06/01/2020

3 TWO ROCK VFD 7599 VALLEY FORD ROAD PETALUMA CA 94952 ABBREVIATIONS, NOTES & SCOPE

ABBREVIATIONS, NOTES & SCOPE

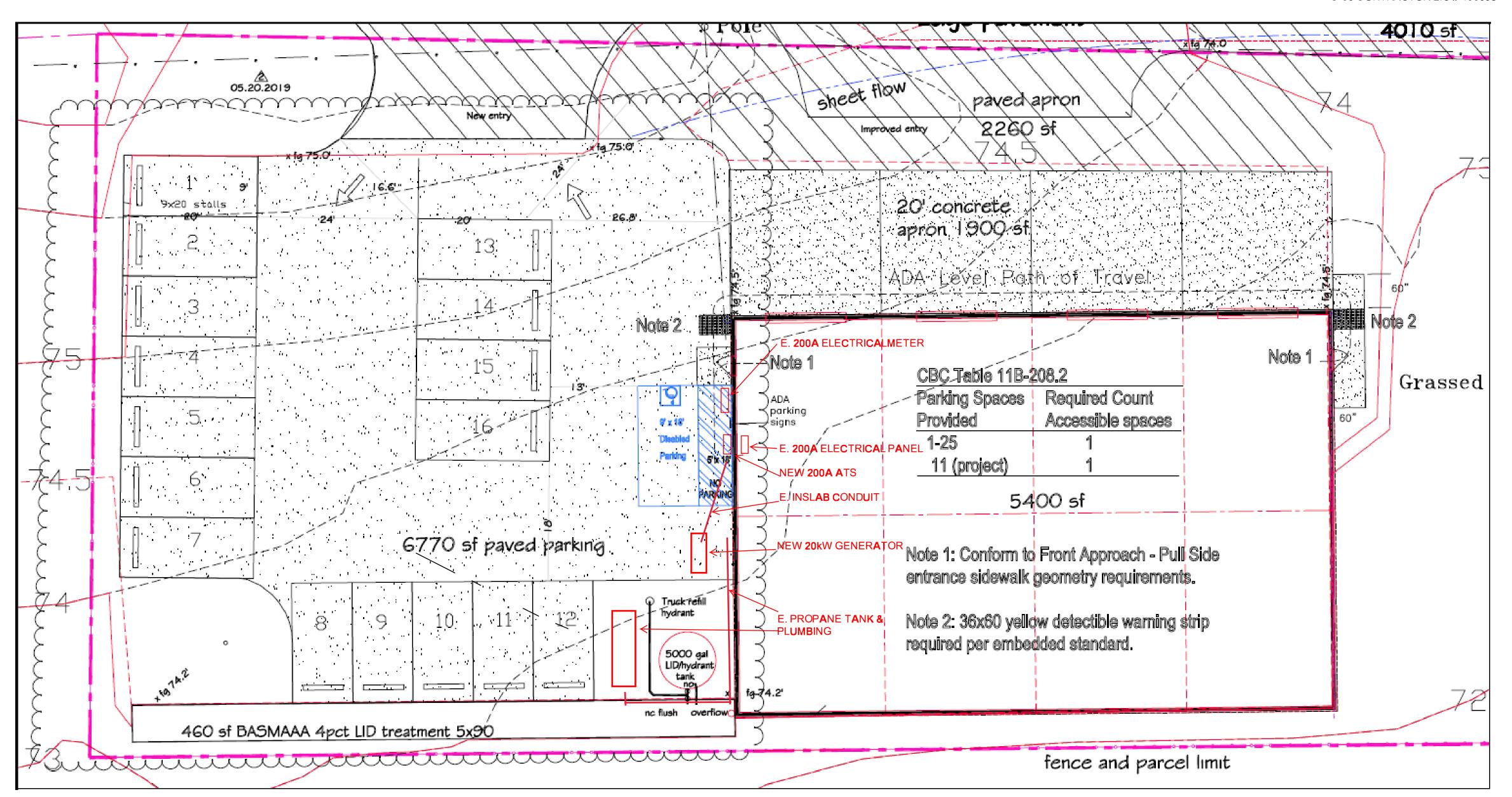
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SHEET KEYNOTES

- (1) EXISTING 200A SERVICE METER & GAS SHUTOFF VALVE
- 2 NEW AUTOMATIC TRANSFER SWITCH 200A, 120/240V, 1PH3W, NEMA 3R
- (3) NEW BACKUP GENERATOR & SCREENING AS NEEDED 20kW,120/240V, 1PH3W SEE SHEET E5.0 & E5.1 FOR CUTSHEETS.
- 4 E. GENERATOR FEEDER & 1" NATURAL GAS LINE FEEDER 3#1/0,1#1 GND,2" PVC PERMIT #BLD19-2620
- E. DIST PANEL
- 5 200A, 120/240V, 1PH3W, NEMA 3R

SHEET GENERAL NOTES

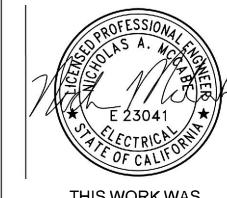
- 1. NO EXISTING WELLS OR LEECH FIELD ARE PRESENT ON PROPERTY.
- 2. SEE SHEET 4.0 FOR ONE-LINE DIAGRAM.
- 3. ALL EXISTING WORK COMPLETED UNDER PERMIT #BLD19-2620. THIS PERMIT HAS BEEN RECIENTLY CLOSED
- 4. ALL PLUMBING TO BE PERFORMED BY BASWELL PLUMBING. CA C-36 CONTRACTOR LIC # 433698



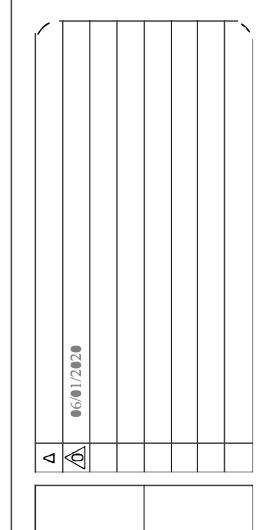
A ENLARGED SITE POWER PLAN

E1.0 SCALE: 1"=10'





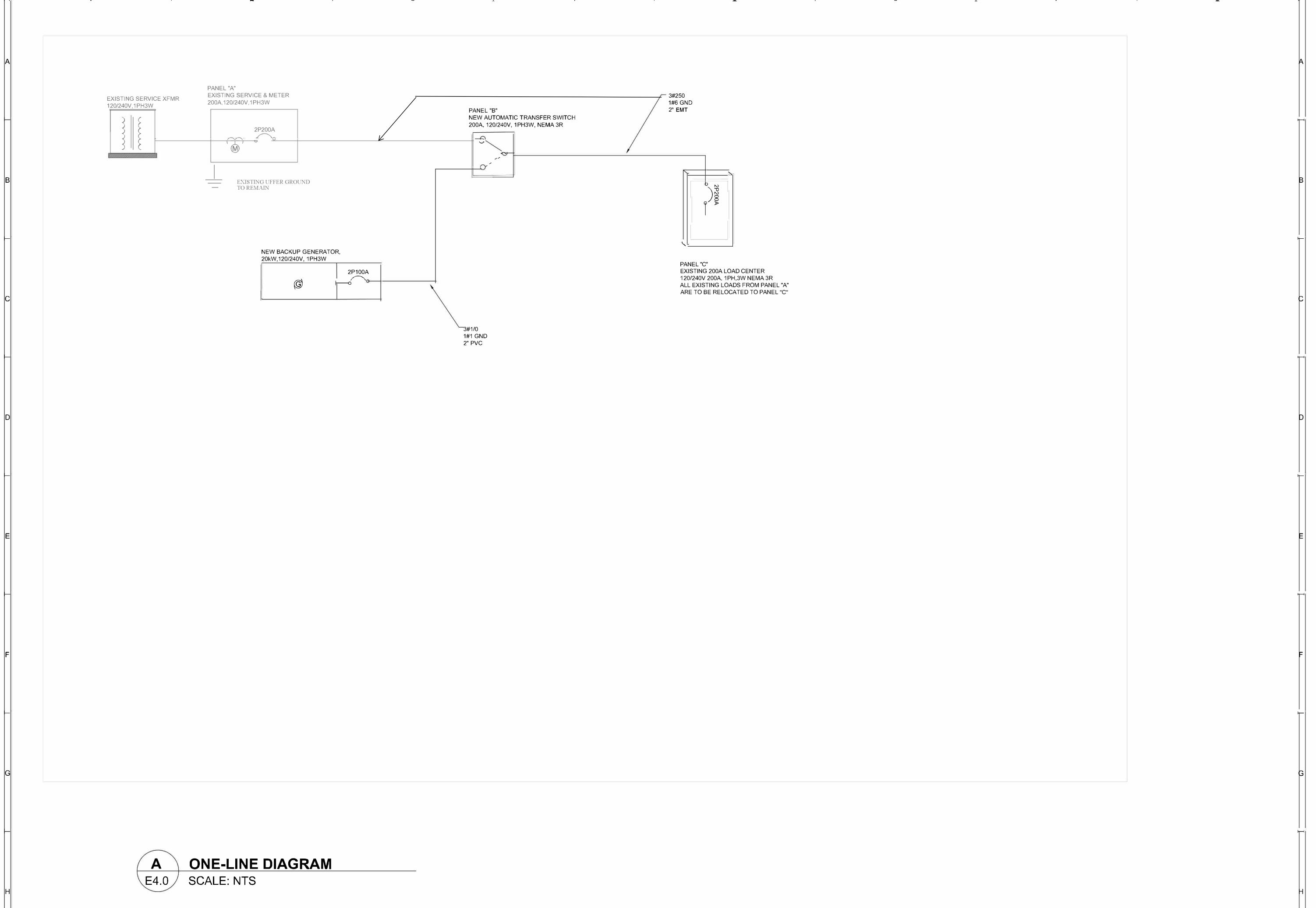
THIS WORK WAS PREPARED BY ME OR WITH MY SUPERVISION



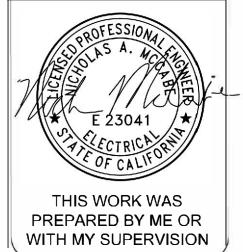
TWO ROCK VFD
7599 VALLEY FORD ROAD
PETALUMA CA 94952

ENLARGED SITE POWER PLAN

E1.0



ASSOCIALIS, INC.

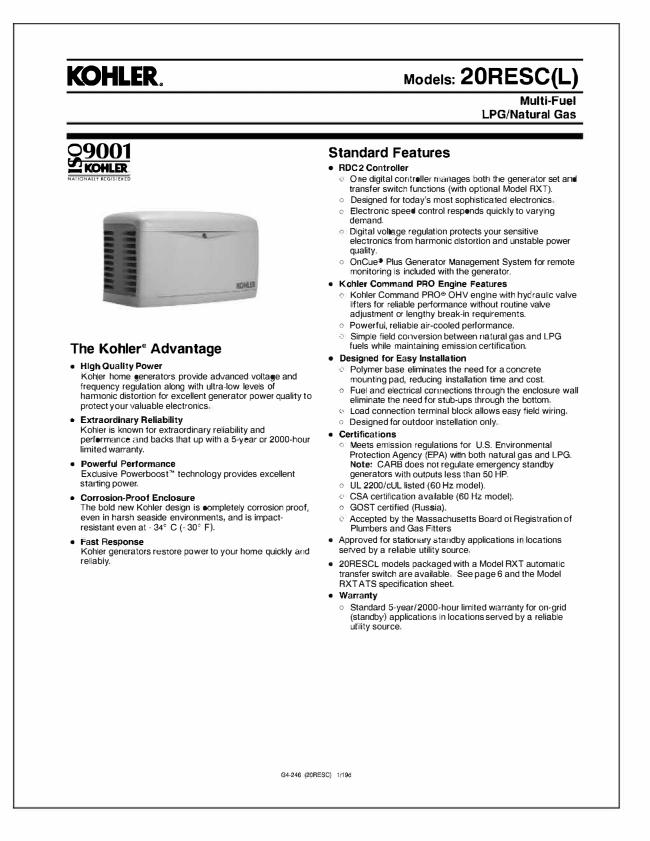


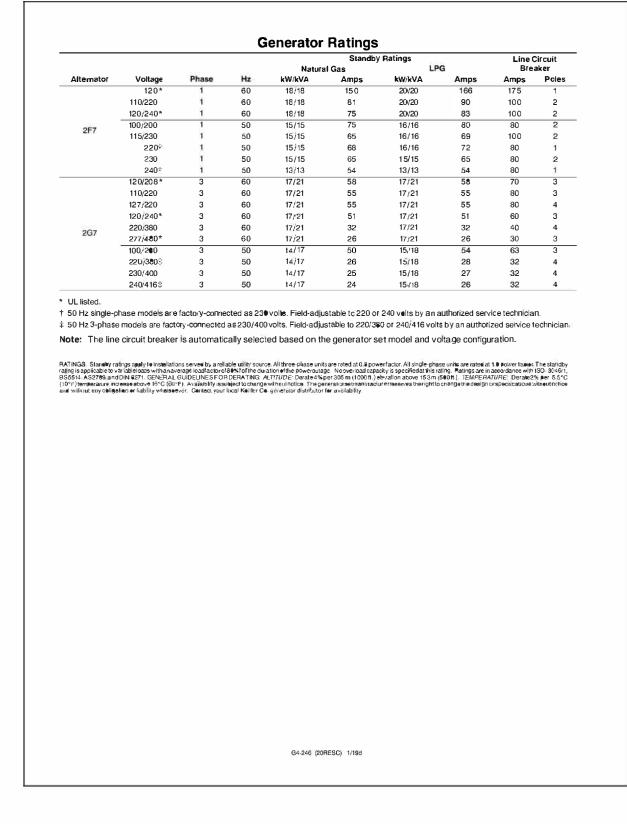
06/01/2020	

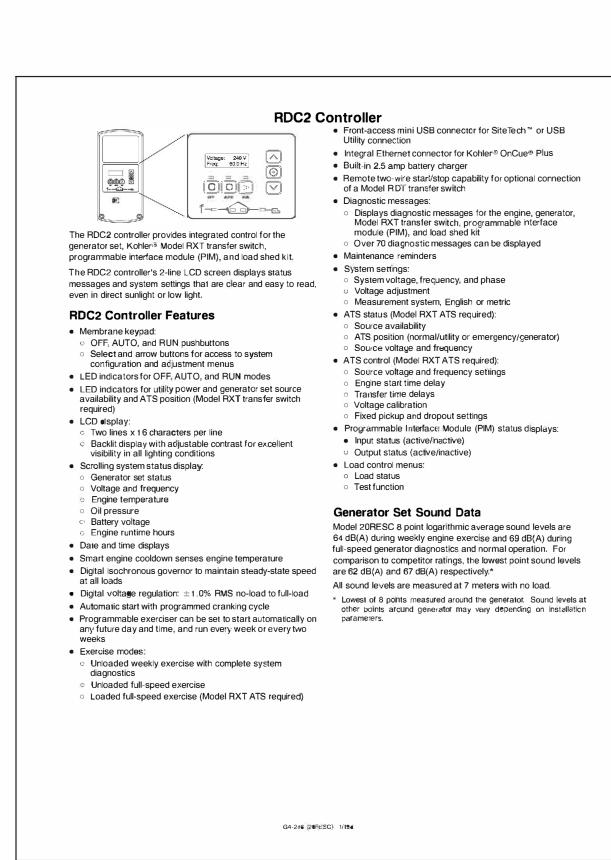
TWO ROCK VFD
7599 VALLEY FORD ROAD
PETALUMA CA 94952
ONE LINE DIA GRAM

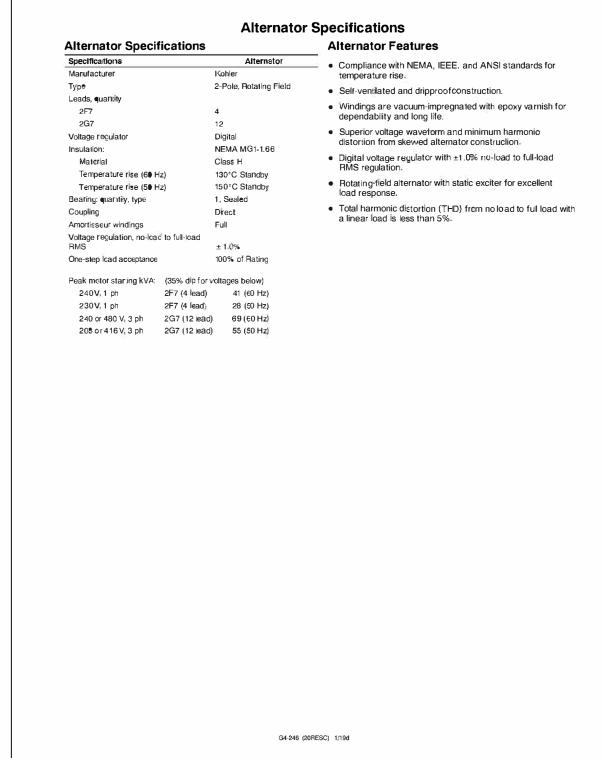
ONE-LINE DIAGRAM

E4.0









KOHLER,

EPA certified fuel system

Field-connection terminal block

Premium 5-vear limited warranty

Rodent-resistant construction

Approvals and Listings

Communication Accessories

☐ Concrete mounting pad. 3 in. thick☐ Concrete mounting pad, 4 in. thick☐

(recommended for storm-prone areas)

Concrete Mounting Pads

Electrical Accessories

□ Battery□ Battery heater, 120VAC

■ Battery heater, 240VAC

■ Emergency stop kit

(single phase only)

Cold weather package, 120VAC

Fuel System Accessories

Carburetor heater, 120 VAC

Carburetor heater, 240 VAC

Cold weather package, 240VAC

Programmable interface module (PIM)

at temperatures below 0°C (32°F)

☐ Fuel regulator heater pad 120VAC

☐ Fuel regulator heater pad 240VAC

☐ General maintenance literature kit

☐ Overhaul literature kit☐ Production literature kit☐

at temperatures below - 18°C (0°F).

Available Options

CSA approval

RDC2 generator set/ATS controller

Battery cables

Critical silencer

Line circuit breaker

Generator Set Standard Features

Corrosion-proof polymer sound enclosure

Fuel solenaid valve and secondary regulator

OnCue® Plus Generator Management System

Oil drain extension with shutoff valve

Multi-fuel system, LPG/natural gas, field-convertible

Sound-deadening, flame-retardant foam per UL 94, class HF-1

☐ OnCue[®] Plus Wireless Generator Management System

☐ PowerSync® Automatic Paralleling Module (APM)

(provides 2 digital inputs and 6 relay outputs)

☐ Flexible fuel line (included on Quick-ship [QS] models)

Carburetor heater is recommended for reliable starting

Fuel regulator heater is recommended for reliable starting

KOHLER CO. Kohler Wisconsin 53044 USA

NonLEH CO., Nolliel, Visconsin 33044 USA Phone 920-457-4441, Fax 920-459-1646 Fer the nearest sales and service outlet in the US and Canada, phone 1-800-544-2444 KOHLERPowertoom

Available Options, Continued

Maintenance kit (includes air filter, oil, cil filter, and

☐ Optional Extended 5-Year/2000 Hour Comprehensive Limited

Automatic Transfer Switches and Accessories

Power relay modules (use up to 4 relay modules for each load management device)

20RESCL with 100 amp RXT with 16-space load center

and NEMA 1 steel enclosure for indoor installation

☐ 20RESCL with 200 amp service entrance-rated Medel RXT with combined interface/load management board

Generator Set Dimensions and Weights

and corrosion-resistant NEMA3R aluminum enclosure

NOTE: Olimensions are provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.

(48 x 26.2 x 29 in.)

243 kg (535 lb.)

263 kg (580 lt.)

Model RXT ATS with combined interface/load

Maintenance

spark plugs)

Model RDT ATS

Model RXT ATS

management board

Other Kohler® ATS

Overall Size, L x W x H:

Shipping Weights: 20RESC Generator Set: 20RESCL with 100 A RXT ATS w/LC 20RESCL with 200 A RXT SE ATS:

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G4-248 (20RESC) 1/19ci

Shipping Weight:

Load shed kit f●r RXT or RDT

20RESCL Model Packages

Warranty



Covers have been removed for illustration.

Available Models

- 100, 200, and 400 amp standard and service
- entrance models are available. • 150 and 300 amn carving entrance models are also



Model RXT Automatic Tra

The Model RXT automatic transfer switch

Automatic

only with Kohler® generator sets equipped

- generator set/transfer switch controls. The operation is controlled by the RDC2/DC2 (Standard Features Allows utility voltage display on the RD0
- residential and light commercial genera UL listed
- UL 1008 listed, file #E58962 Models with load centers use UL 67 CSA certification, file #LR58301, is ava

set/transfer switch controller, available e

- Standard ATS without load center (si Service entrance ATS 100 and 200 a Corrosion-resistant NEMA 3R aluminun
- Padlockable Approved for indoor or outdoor instal
- ANSI 49 gray NEMA 1 enclosure available on 100 am
- · Contactor electrically and mechanically
- Double throw inherently interlocked des
- Contactor manually operable for mainte Silver alloy main contacts
- Transfer switches are 100% equipment applied at the rated current without dera entrance models)
- Service entrance models include discor on the utility (normal) source side (80%

Five-year limited warranty Standard Interface Board

- · Standard interface board connects to th
- DC2 generator set/transfer switch contr Includes a load control contact that prov delay for startup of selected loads after

emergency source. Use for large moto

Combined Interfered/Less Codes and Stand The ATS meets or exceeds the requiremer specifications: Underwriters Laboratories UL 1008, Sta Transfer Switches for Use in Emergency

TWO ROCK VFD 7599 VALLEY FORD ROAL PETALUMA CA 94952

GENERATOR CUTSHEETS

THIS WORK WAS

PREPARED BY ME OR

WITH MY SUPERVISION

#E58962 Underwriters Laboratories UL 508, Stan Control Equipment

 CSA certification available, file #LR5830 150, 300, or 400 amp service entrance (

center models). Must be selected when

 NFPA 70, National Electrical Code NFPA 110, Emergency and Standby Por

NEMA Standard IC10- 1993, AC Autom.

				Cable Sizes		
		AL/O	U UL-Listed Solderless Screw	-Type Terminals for Exter	rnal Power Connections	
Switch	Switch	Phases	Range of Wire Sizes, Cu/Al			
Size, Amps			Normal and Emergency	Load	Neutral	
	Standard	1	(1) #14 - 1/0 AWG	(1) #14 – 1/0 AWG	(5) #12 to 250 KCMIL (Cu) (5) #10 to 250 KCMIL (Al)	
	12- or 16- space load center (NEMA 1)	4	(1) #14 – 1/0 AWG	per customer-supplied circuit breaker	(26) #4 - 14 AWG or (2) #14 - 1/0 AWG or (1) #6 - 2/0 AWG	
100	100 16-space load center (NEMA 3R)	(1) #14 – 1/0 AWG	per customer-supplied circuit breaker	(26) #4 - 14 AWG or (2) #14 - 1/0 AWG or (1) 2/0 AWG		
	Service Entrance	1	Normal: (1) #12 – 2/0 AWG Emerg: (1) #14 – 1/0 AWG	(1) #14 – 1/0 AWG	(5) #12 to 250 KCMIL (Cu) (5) #10 to 250 KCMIL (Al)	
	3-Phase	3	(1) #14 – 1/0 AWG	(1) #14 – 1/0 AWG	(3) #4 AWG – 600 KCMII (6) 1/0 AWG – 250 KCMII	
150 200	Service Entrance	1	Normal: (1) #4 – 300 KCMIL Emerg: (1) #6 - 250 KCMIL	(1) #6 – 250 KCMIL	(5) #12 to 250 KCMIL (Cu) (5) #10 to 250 KCMIL (Al)	
	Standard	ा है 🗔	Ziv lie MVO - ese ZOVIII	213 Wa and 1200 MU	(5) #12 to 250 KCMIL (Cu)	
200	3-Phase	3	(1) #6 AWG – 250 KCMIL	(1) #6 – 250 KCMIL	(5) #10 to 250 KCMIL (Al)	
300 400	Service Entrance	d	Normal: : (1) #1 - 600 KCMIL or (2) #1 - 250 KCMIL Emerg: (2) #6 - 250 KCMIL	(2) #6 – 250 KCMIL	(3) #4 AWG - 600 KCMIL (6) 1/0 AWG - 250 KCMIL	
3-р	Standard	Let			(3) #4 AWG – 600 KCMII	
	3-pole 208-240 V	3	(2) #6 = 250 KCMIL	(2) #6 = 250 KCMIL		
	3 or 4 pole 480 V 3 (1) #4 – 600 KCMIL (2) 1/0 – 250 KCMIL	(1) #4 – 600 KCMIL (2) 1/0 – 250 KCMIL	- (6) 1/0 AWG - 250 KCM			

Standard Interface Board				
Controller interface connections A and B	#20 AWG shielded twisted-pair Belden 9402 or 8762 or equivalent			
Controller interface connections PWR and COM	#12-20 AWG (see ATS Installation Manual)			
Load control contact rating	10 A @ 250 VAC			
Load control connections	#12-18 AWG			

specifications, see page 3.

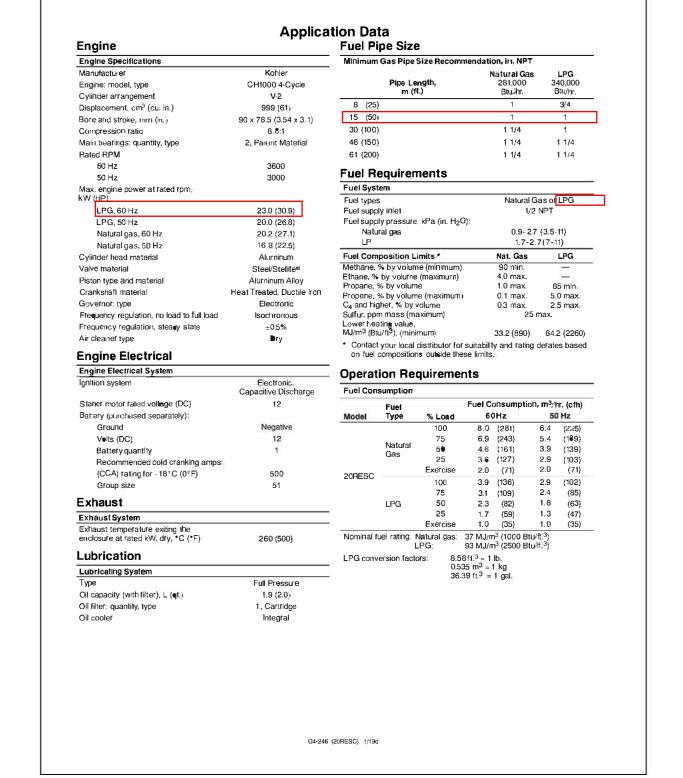
Environmental Specifications			
Operating temperature	- 20°C to 70°C (- 4°F to 158°F)		
Storage temperature	- 40°C to 85°C (- 40°F to 185°F)		
Humidity	5 to 95% noncondensing		

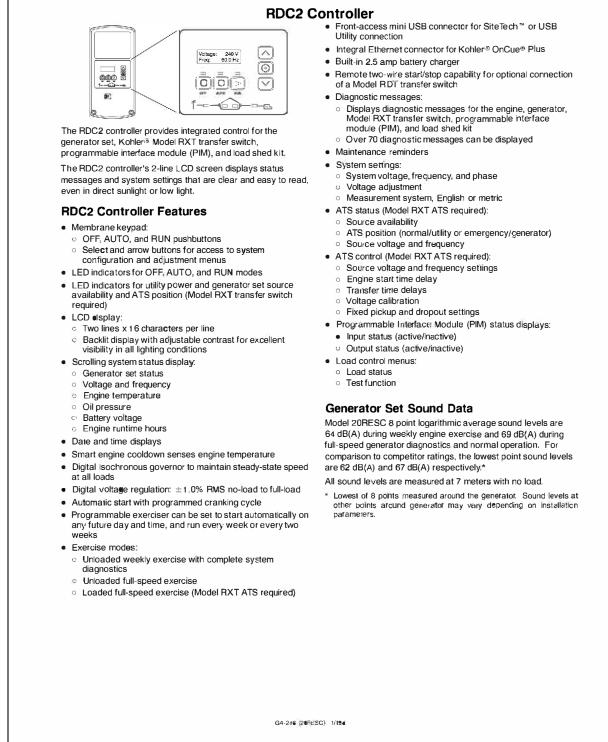
is ordered.

er Connections		
J/AÏ		
Neutral		
2 to 250 KCMIL (Cu) o 10 to 250 KCMIL (Al)		
6) #4 - 14 AWG or #14 - 1/0 AWG or (1) #6 – 2/0 AWG		
6) #4 - 14 AWG or #14 - 1/0 AWG or (1) 2/0 AWG		
2 to 250 KCMIL (Cu) o 10 to 250 KCMIL (Al)		
4 AWG – 600 KCMIL /0 AWG – 250 KCMIL		
2 to 250 KCMIL (Cu) o 10 to 250 KCMIL (Al)	Ц	
2 to 250 KCMIL (Cu) o 10 to 250 KCMIL (Al)		
4 AWG – 600 KCMIL /0 AWG – 250 KCMIL		
4 AWG – 600 KCMIL /0 AWG – 250 KCMIL	G	
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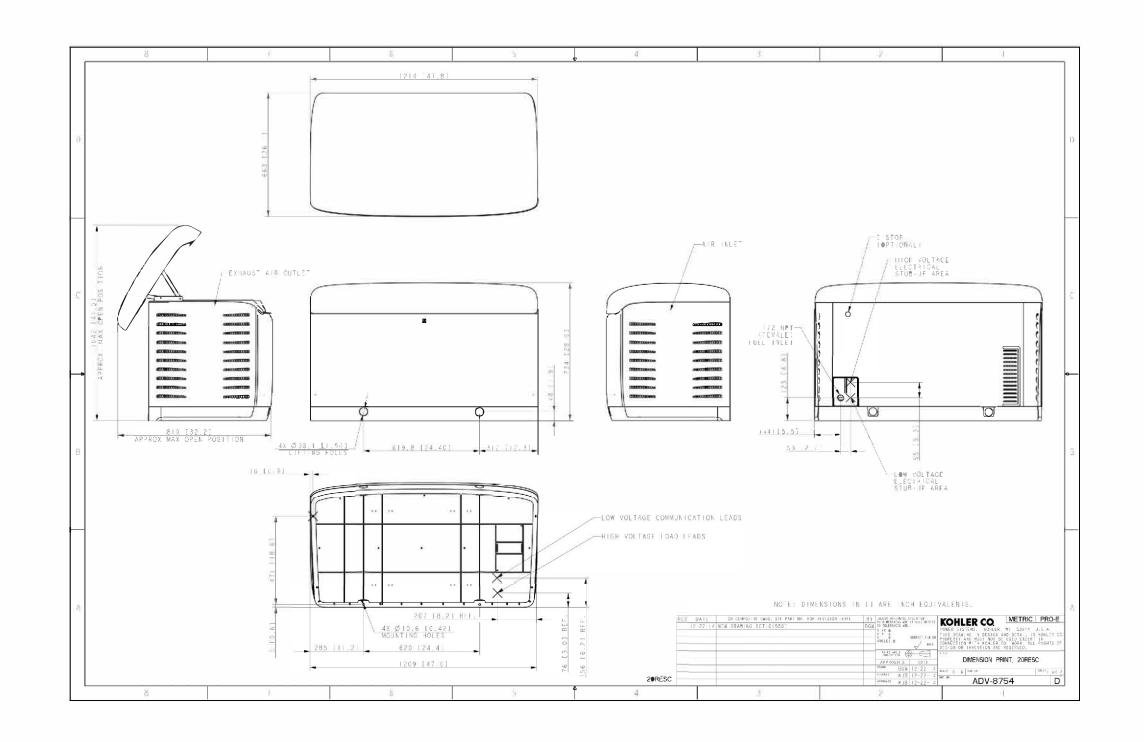
GENERATOR CUTSHEETS

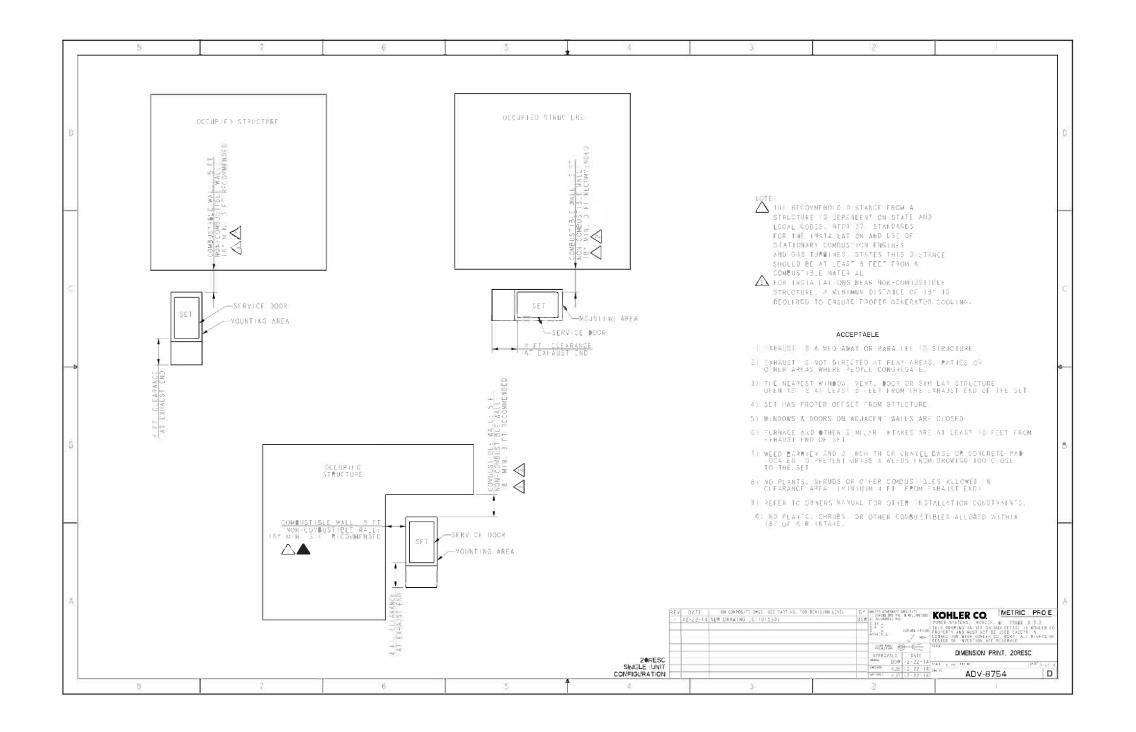
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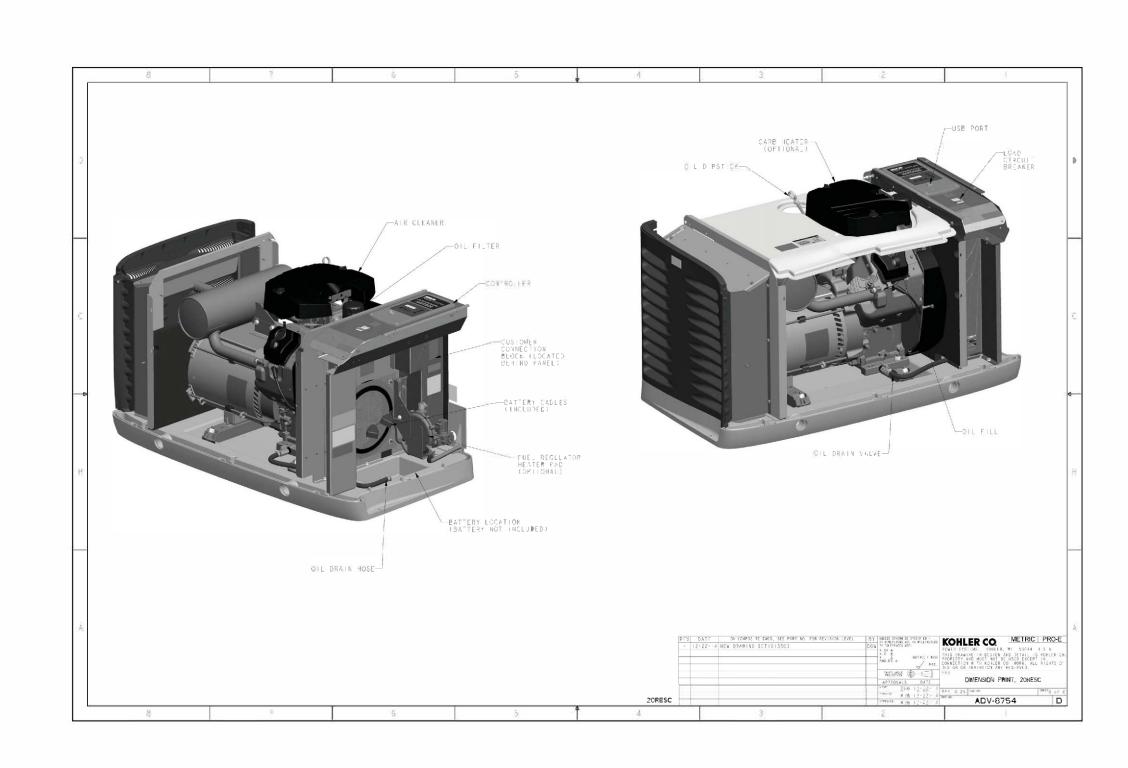


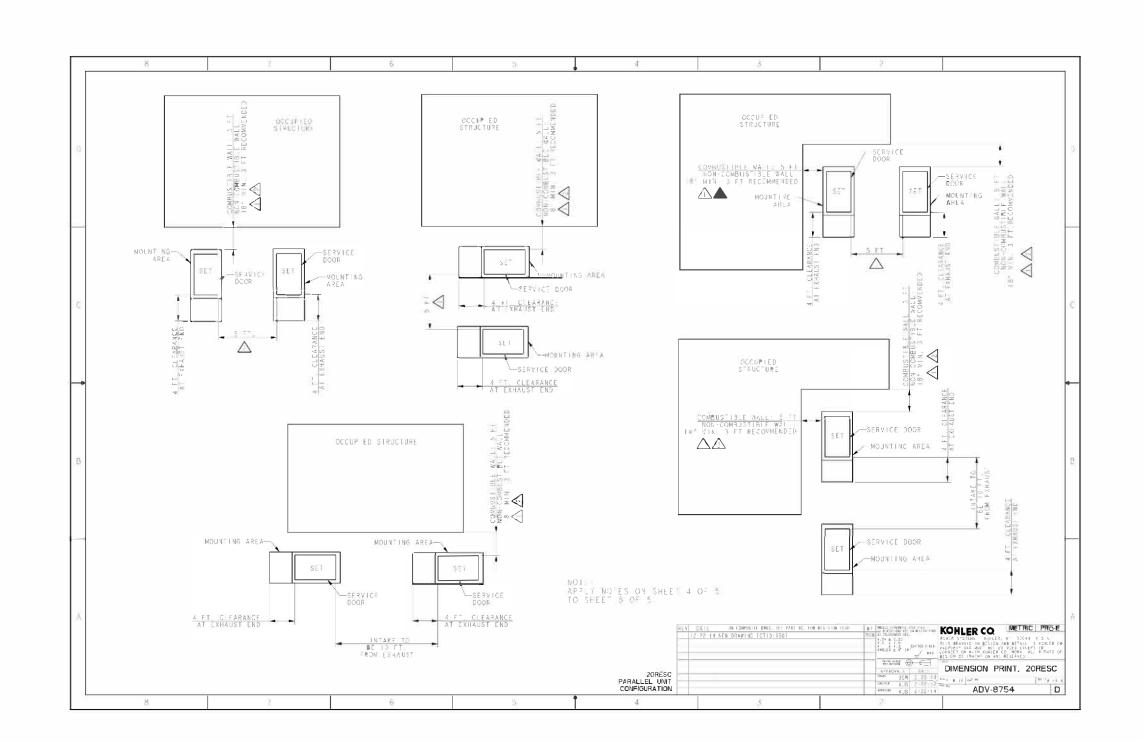










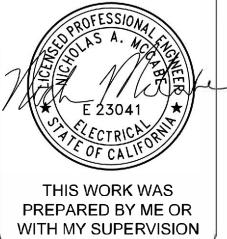




GENERATOR CUTSHEETS

SCALE: NTS

ASSOCIATE STATE OF THE PARTY OF





TWO ROCK VFD
7599 VALLEY FORD ROAD
PETALUMA CA 94952
GENERATOR
CUTSHEETS

GENERATOR CUTSHEETS

E5.1