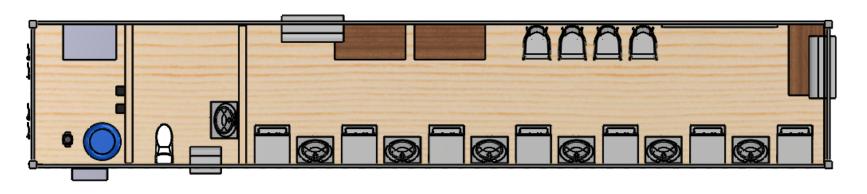
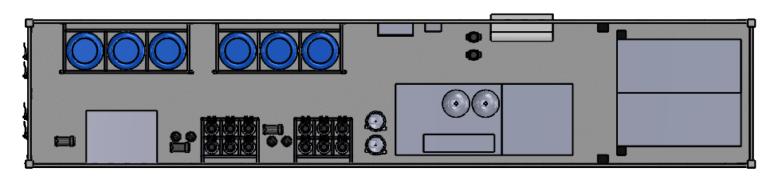
ALTERNATE SOURCE WATER TREATMENT, LAUNDROMAT, SCIU SYSTEMS

CONTAINERIZED LAUNDROMAT



ALTERNATE SOURCE WATER HARVEST SYSTEM



- INTERPERET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5.
- ALL INFORMATION CONTAINED IN THIS DRAWING IS PROPERTY OF ESI. ANY REPRODUCTION, IN PART OR WHOLE, WITHOUT WRITTEN PERMISSION FROM ESI IS PROHIBITED.

SELF CONTAINED ISOLATION UNIT (SCIU) SUBLETTE COUNTY, WY



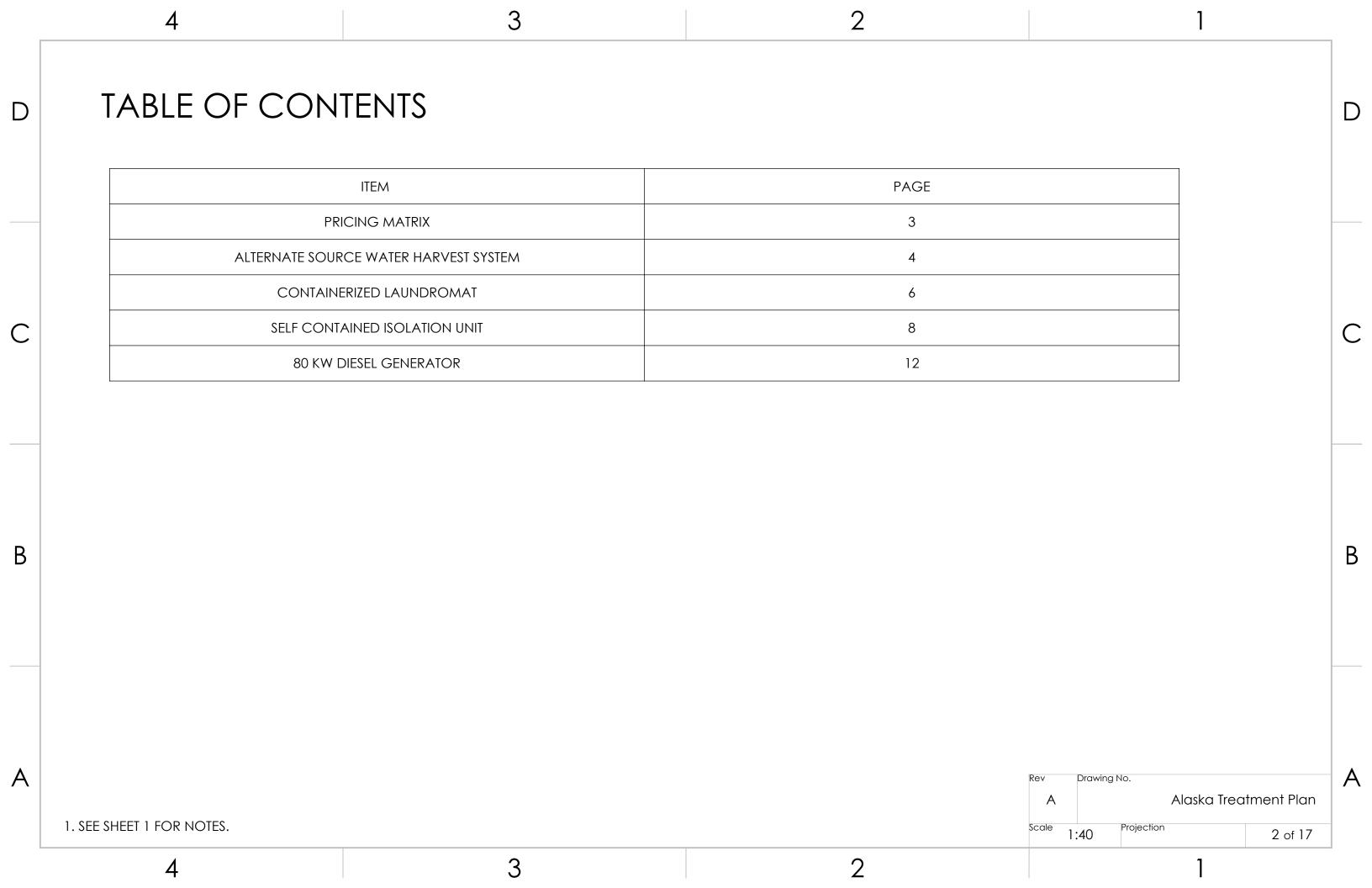


RAINWATER HARVSET SYSTEM FT. BUCHANAN, PUERTO RICO





Drawn By HI Approved By	Date 2/1/21	ENVIREMEDIAL SERVICES INC 64 RUNWAY LANE, PINEDALE, WY, 82941					
G Coating		ALASKA WATER SOLUTION					
Weight	20,000 LB , EA	Size [Drawing		Treatment Plar		Rev A
Material	VARIOUS	Scale 1:	:65	Projection	THIRD		f 17



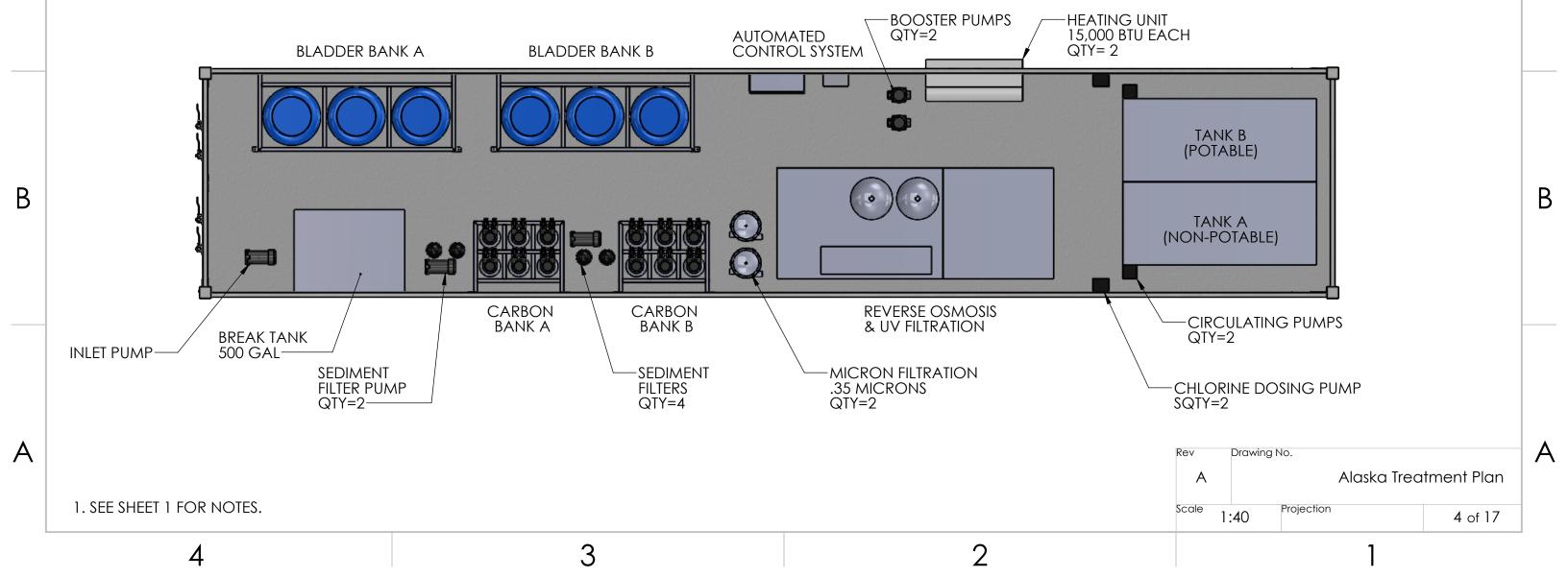
ALTERNATE SOURCE WATER HARVEST CONTAINER DETAILED BREAKOUT

THE ALTERNATE WATER HARVEST CONTAINER IS ESSENTIALLY TWO INDEPENDENT TREATMENT SYSTEMS HOUSED IN ONE CONTAINER, FILTRATION SYSTSEMS A & B.

FILTRATION SYSTEM A WILL FEED THE CONTAINERIZED LAUNDROMAT. WATER IS DRAWIN INTO THE CONTAINER FROM THE ALTERNATE WATER SOURCE AND IS RUN THROUGH A SEDIMENT REMOVAL SYSTEM (<20 MICRONS), A BANK OF CARBON FILTERS TO MITIGATE ORGANIC MATERIAL CONTAMINENTS AND FINALLY THROUGH A .35 MICRON ABSOLUTE FILTER. THE WATER STORED IN TANK A, WHICH IS DOSED WITH SODIUM HYPOCHLORITE (.2 TO 2.5 MG/L ADJUSTABLE) AND CIRCULATED CONTINOUSLY TO DISINFECTION IN THE TANK. WHEN THE CONTAINERIZED LAUNDROMAT REQUIRES WATER, THE WATER FROM TANK A IS PRESSURIZED VIA VERTICAL BOOSTER PUMPS AND BLADDER TANKS, AND PIPED DIRECTLY TO THE OTHER CONTAINER.

NOTE: WATER FROM TANK A IS NOT TO BE CONSIDERED POTABLE.

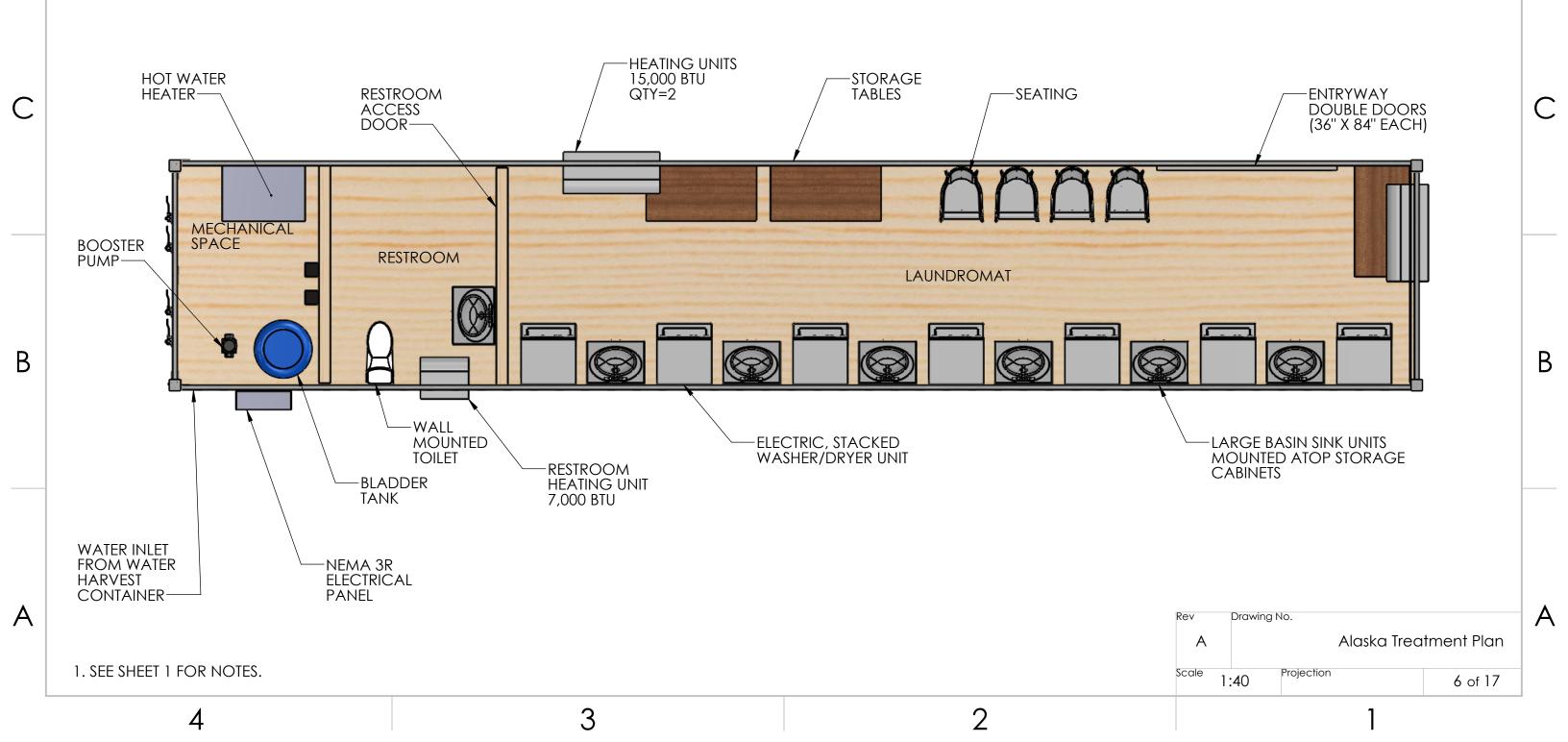
FILTRATION SYSTEM B WILL SUPPLY POTABLE WATER. FILTRATION SYSTEM B RUNS THROUGH THE FIRST THREE STAGES OF SYSTEM A (SEDIMENT REMOVAL, CARBON FITLERS AND .35 MICRON FITLER). IN ADDITION TO THESE FIRST THREE METHODS OF FILTRATION, SYSTEM B'S WATER WILL BE RUN THROUGH A REVERSE OSMOSIS SYSTEM EQUIPPED WITH UV DISINFECTION TO TREAT THE WATER UP TO POTABLE STANDARDS. ONCE THE WATER HAS COMPLETED THE FILTRATION PROCESS, IT WILL BE ROUTED TO TANK B, WHERE IT WILL BE CIRCULATED AND DOSED WITH SODIUM HYPOCHLORITE (.5 TO 1.5 MG/L ADJUSTABLE). TANK B WILL FEED BLADDER BANK B, WHICH WILL THEN BE ROUTED TO A DISTRIBUTION SYSTEM SUCH AS SPIGOTS, HOSES OR CITY PIPING (IF POSSIBLE).



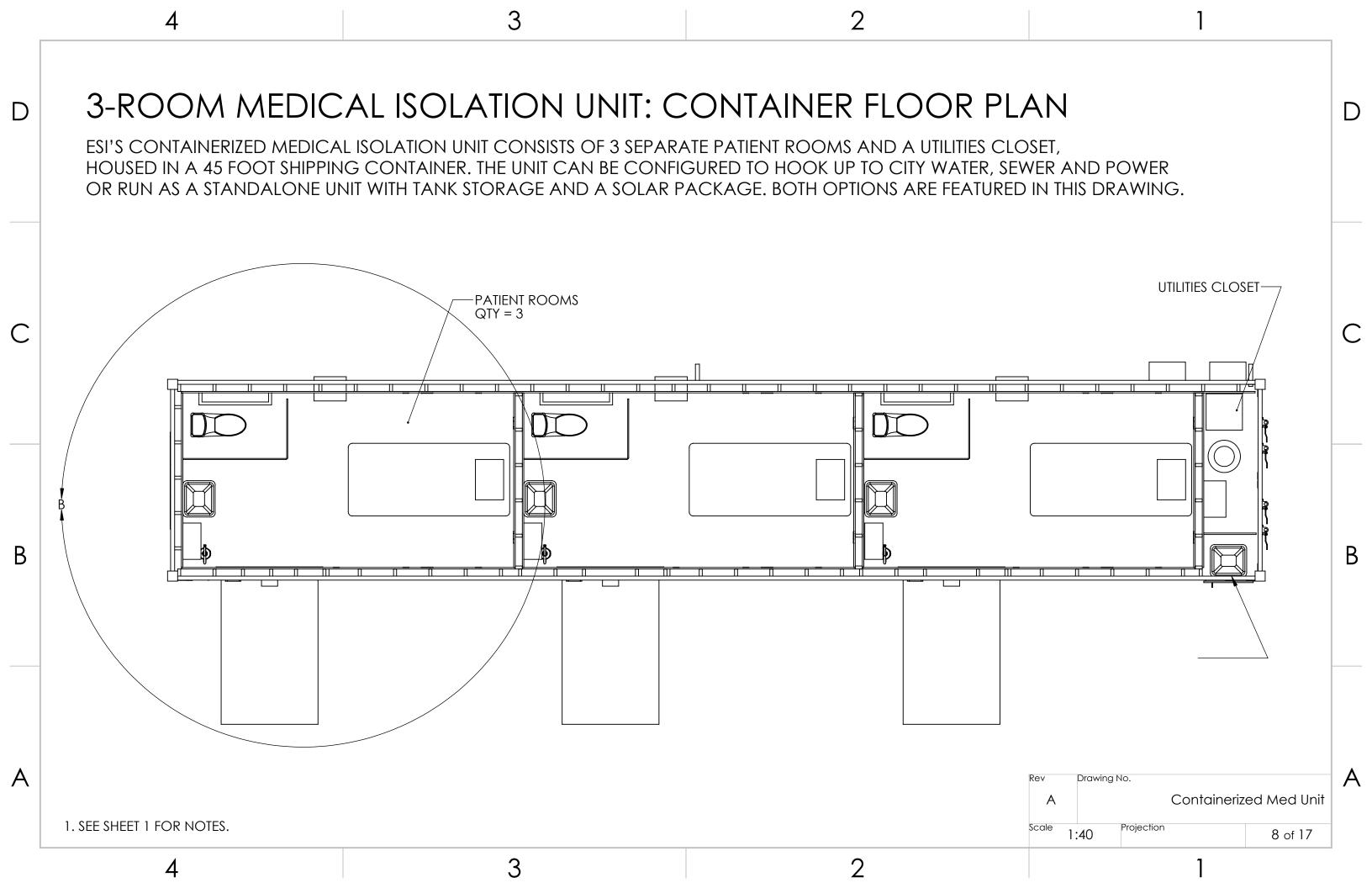
ALTERNATE WATER HARVEST SPECIFICATION SCHEDULE COMPONENT **SPECIFICATIONS** ISO CONTAINER 40 OR 45 FOOT ISO HI-CUBE **CONTAINER R-FACTOR** R-25 TOP, SIDES AND BOTTOM 3/4" OSB, SEALED WITH A WATER BASED PAINT. INTERIOR SHEETING FLOOR IS COATED WITH AN EPOXY FINISH DISK FILTERS (SEDIMENT REMOVAL) 50PGM, 20 MIRCONS CARBON FILTERS 20 GPM, 1.5 CF MICRON FILTRATION .35 MICRONS REVERSE OSMOSIS SYSTEM 20,000 GPD WITH INTEGRATED UV DISINFECTION SODIUM HYPOCHLORITE POTABLE: .5 TO 1.5 MG/L HOLDING TANKS A AND B 1000 GAL, DOUBLE-WALL POLYPROPELYNE TANK (EACH) INLET BREAK TANK 500 GAL POLYPROPELYNE TANK **BLADDER TANKS** 115 GAL, 100 PSI WORKING PRESURE **INLET PUMPS** 60GPM, 120 PSI MAX **BOOSTER PUMPS** 22 GPM, 110 PSI (MAX WORKING PRESSURE) DOSING PUMPS 17PGD/100PSI CIRCULATING PUMPS 1/8HP, 14GPM **HVAC UNITS** 15,000 BTU (EACH) HEATING AND COOLING **GENERATOR** 80 KW GENERATOR, FUEL TBD BASED ON AVAILABILITY Drawing No. Alaska Treatment Plan 1. SEE SHEET 1 FOR NOTES. Projection 1:40 5 of 17

CONTAINERIZED LAUNDROMAT DETAILED BREAKOUT

THE CONTAINERIZED LAUNDROMAT WILL HOUSE 6 OR 7 STACKABLE WASHER/DRYER UNITS, A 45 FOOT ISO CONTAINER, OR A 40 FOOT ISO CONTAINER DEPENDING ON AMOUNT OF UNITS REQUIRED. LARGE BASIN SINKS WILL BE LOCATED BETWEEN EACH WASHER/DRYER UNIT. THE UNIT WILL HAVE A SINGLE RESTROOM LOCATED AT ONE END, EQUIPPED WITH AN IN-WALL TOILET UNIT, A SINK, AND A HEATING UNIT FOR THAT SPACE. A MECHANICAL SPACE WILL BE LOCATED ON ONE END TO HOUSE THE WATER HEATER, BLADDER TANKS AND CIRCULATION PUMPS.



CONTAINERIZED LAUNDROMAT SPECIFICATION SCHEDULE COMPONENT **SPECIFICATION** CONTAINER 40 OR 45 FOOT ISO HI-CUBE CONTAINER **CONATINER R-FACTOR** R-25 TOP, SIDES AND BOTTOM 3/4" OSB, SEALED WITH A WATER BASED PAINT. FLOOR IS COATED WITH AN EPOXY FINISH INTERIOR SHEETING HOT WATER HEATER 120 GAL, ELECTRIC, 25GPH RECOVERY **BLADDER TANK** 115 GAL, 100 PSI WORKING PRESURE VERTICAL BOOSTER PUMP 22 GPM, 110 PSI (MAX WORKING PRESSURE) STACKED WASHER/DRYER UNIT ELECTRIC, 3.8 CU FT WASHER, 5.9 CU FT DRYER **HVAC UNIT** 15,000 BTUH, 240V, SINGLE PHASE **RESTROOM HVAC** 7,000 BTUH, 120V, SINGLE PHASE Drawing No. Alaska Treatment Plan 1. SEE SHEET 1 FOR NOTES. Projection 1:40 7 of 17



45' CONTAINER CONSTRUCTION: SPECIFICATIONS

COMPONENT	STANDARD	SPECIFICATION (IF APPLICABLE)
45' ISO HIGH CUBE CONTAINER	ISO 1496-1	45' X 8' X 9.5'
2X4" STUDDED WALLS		FRAMED 16" ON CENTER
1.5" FOAM BOARD INSULATION	ASTM 578, UL CLASSIFICATION 197	THERMAL RESISTANCE R=7.5
HUNG SHEETROCK INTERIOR	ASTM C-1396	5/8" MOLD GUARD TOUGH ROCK
SANI-WALL MEDICAL GRADE DRYWALL FINISHER	CHEMICAL RESISTANCE-ASTM D-1308 7 DAY EXPOSURE FLAMMABILITY- ASTM D-635	
EMT CONDUIT & FITTINGS	UL	
THHN WIRE	UL	OIL/WATER RESISTANT
2" ABS DRAIN, WASTE, AND VENT PIPE	ASTM D-2661	BLACK ABS
1" POTABLE WATER LINES	ASTM F877-20	PEX
1" BRAISED COPPER OXYGEN LINES	ASTM B-75	STREAMLINED COPPER TUBING (UNS C12200 GRADE)
48"80" STEEL, HYDRAULIC SELF-CLOSING DOORS	FEDERAL STANDARD*	
DUAL CAPACITY HVAC UNIT	UL	5000BTU/HR, 200SQFT RATED
INSTANTANEOUS WATER HEATER	ETL	11 GPM AT 45° RISE. 199,000BTUH
20 GAL PRESSURE TANK	NSF, ISO 9001	
NEMA 3R ELECTRICAL PANEL BOARD	UL 508A	RATED FOR OUTDOORS, WATERPROOF
1 PHASE, POWER HOOKUP	UL	240/120V, 100 AMP, 60HZ

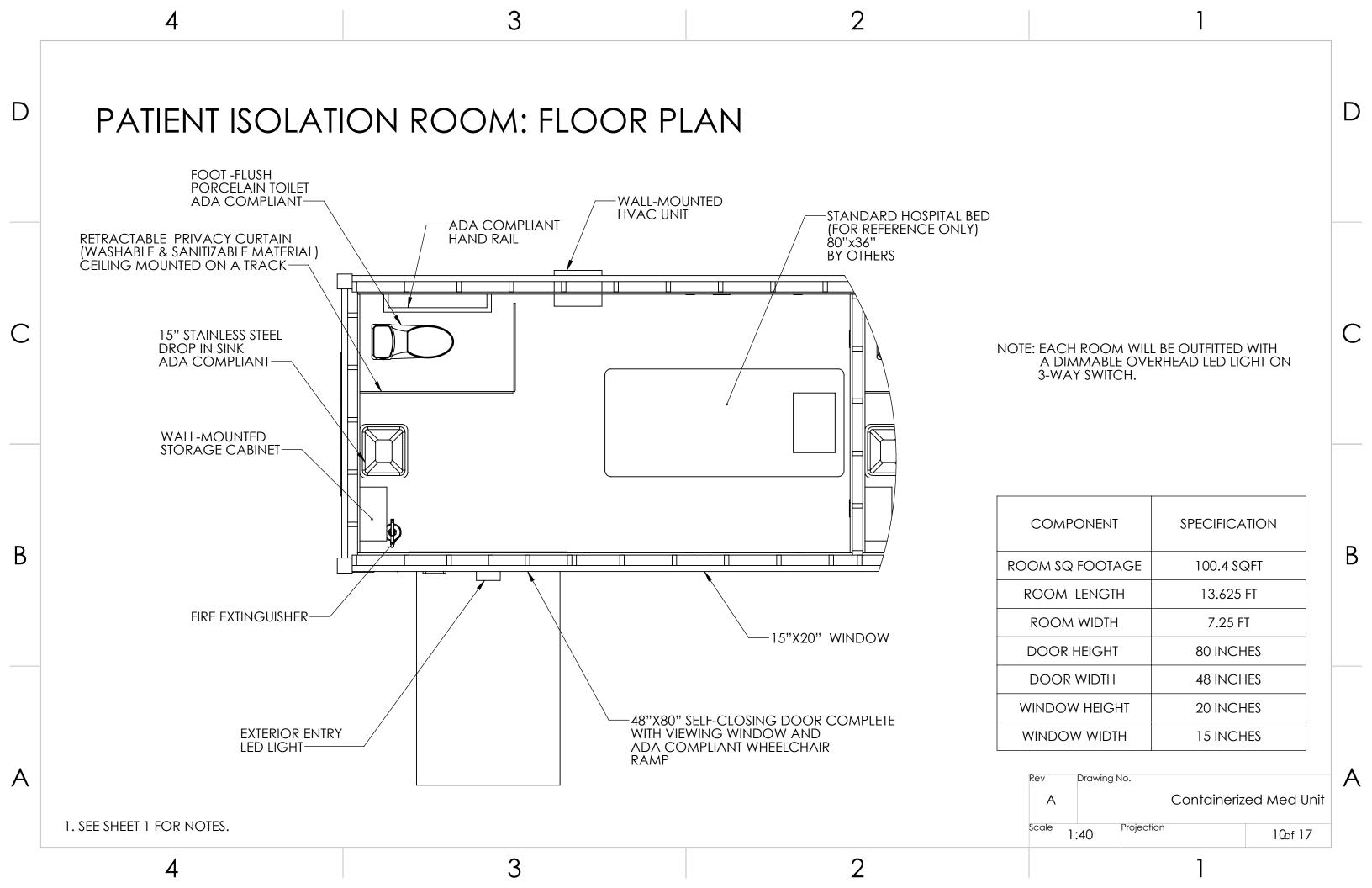
^{* =} FEDERAL STANDARD AS DIRECTED BY THE UNITED STATES ARMY CORPS OF ENGINEERS BUILD SPECIFICATIONS FOR A2HC CONTAINERIZED UNITS.

1. SEE SHEET 1 FOR NOTES.

A Containerized Med Unit

Scale 1:40 Projection 9 of 17

4 2



PATIENT ISOLATION ROOM: SPECIFICATIONS

COMPONENT	QUANTITY	STANDARD	SPECIFICATION (IF APPLICABLE)
QUAD RECEPTICLE OUTLETS	4	FEDERAL STANDARD*	
DUPLEX RECEPTICLE OUTLETS	6	FEDERAL STANDARD*	
DEDICATED CIRCUIT OUTLET (SINGLE)	1	FEDERAL STANDARD*	DENOTED BY ORANGE COVER
ABC FIRE EXTINGUISHER	1	FEDERAL STANDARD*	5 LB
15" STAINLESS STEEL SINK	1	ADA COMPLIANT	
GOOSENECK FAUCET W PADDLE HANDLES	1	ADA COMPLIANT	
PORCELAIN FOOT FLUSH TOILET	1	ADA COMPLIANT	LOW FLOW
COMMODE HAND RAIL	1	ADA COMPLIANT	
DUAL CAPABILITY HVAC UNIT W REMOTE	1	FEDERAL STANDARD*	5000 BTU/HR, 200 SQFT RATED, 100 CFM
EXHAUST FAN W HEPA FILTRATION	1	FEDERAL STANDARD*	250 CFM TO CREATE NEGATIVE PRESSURE
OXYGEN LINE COMPATIBLE HOOKUP	YES	FEDERAL STANDARD*	BRAISED COPPER LINE
HEATED WATER	YES	FEDERAL STANDARD*	11 GPM
4.8° WHEELCHAIR RAMP	YES	ADA COMPLIANT	4.8° INCLINE, 1 FOOT LENGTH/INCH RISE
48"X79" PATIENT RM DOORWAY	YES	FEDERAL STANDARD*	SELF-CLOSING
100 SQFT PATIENT RM	YES	FEDERAL STANDARD*	13.625FT X 7.25 FT
DIMMABLE LED ROOM LIGHTING	YES	FEDERAL STANDARD*	4FT, 50 WATT DIMMABLE, VAPOR TIGHT LED
EXTERIOR ENTRY LIGHT	YES	FEDERAL STANDARD*	50 WATT BRONZE LED, 6800 LUMENS
SANITIZABLE, WASHABLE FLOORING	YES	FEDERAL STANDARD*	SEAMLESS LINOLIUM
SANITIZABLE, WASHABLE WALLS & CEILING	YES	FEDERAL STANDARD*	SANI-WALL DRYWALL FINISHER
COMPLETE ISOLATION FROM ADJOINING ROOMS	YES	FEDERAL STANDARD*	SILICON SEALS ON FLOOR, CEILING, AND ADJOINING WALLS

^{* =} FEDERAL STANDARD AS DIRECTED BY THE UNITED STATES ARMY CORPS OF ENGINEERS BUILD SPECIFICATIONS FOR A2HC CONTAINERIZED UNITS.

1. SEE SHEET 1 FOR NOTES.

A Containerized Med Unit

Scale 1:40 Projection 11 of 17

. 3

STANDBY POWER RATING

80 kW, 100 kVA, 60 Hz

PRIME POWER RATING*

72 kW, 90 kVA, 60 Hz





*Built in the USA using domestic and foreign parts

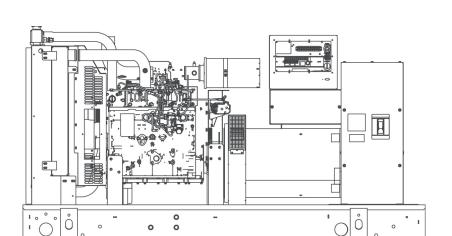


Image used for illustration purposes only

CODES AND STANDARDS

Generac products are designed to the following standards:



UL2200, UL508, UL142, UL498



NFPA70, 99, 110, 37



NEC700, 701, 702, 708



ISO9001, 8528, 3046, 7637, Pluses #2b, 4



NEMA ICS10, MG1, 250, ICS6, AB1



ANSI C62.41

POWERING AHEAD

For over 50 years, Generac has led the industry with 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's 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 application under adverse conditions.

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

^{*}EPA Certified Prime ratings are not available in the U.S. or its Territories.

^{**}Certain options or customization may not hold certification valid.

SD080 | 4.5L | 80 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

STANDARD FEATURES

ENGINE SYSTEM

General

- · Oil Drain Extension
- Air Cleaner
- · Fan Guard
- · Stainless Steel flexible exhaust connection
- · Critical Exhaust Silencer (enclosed only)
- · Factory Filled Oil
- · Radiator Duct Adapter (open set 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

Engine Electrical System

- · Battery charging alternator
- Battery cables
- · Battery tray
- · Solenoid activated starter motor
- Rubber-booted engine electrical connections

ALTERNATOR SYSTEM

- UL2200 GENprotect™
- 12 leads (3-phase, non 600 V)
- · Class H insulation material
- Vented rotor
- 2/3 pitch
- · Skewed stator
- · Auxiliary voltage regulator power winding
- · Amortisseur winding
- · Brushless Excitation
- · Sealed Bearings
- Automated manufacturing (winding, insertion, lacing, varnishing)
- Rotor dynamically spin balanced
- · Full load capacity alternator
- · Protective thermal switch

GENERATOR SET

- · Internal Genset Vibration Isolation
- · Separation of circuits high/low voltage
- · Separation of circuits multiple breakers
- · Silencer Heat Shield
- Wrapped Exhaust Piping
- · Silencer housed in discharge hood (enclosed only)
- · Standard Factory Testing
- · 2 Year Limited Warranty (Standby rated Units)
- 1 Year Limited Warranty (Prime rated Units)
- · Silencer mounted in the discharge hood (enclosed only)

ENCLOSURE (IF SELECTED)

- Rust-proof fasteners with nylon washers to protect finish
- · High performance sound-absorbing material
- · Gasketed doors
- · Stamped air-intake louvers
- · Air discharge hoods for radiator-upward pointing
- · Stainless steel lift off door hinges
- · Stainless steel lockable handles
- Rhino Coat[™] Textured polyester powder coat

TANKS (IF SELECTED)

- UL 142
- · Double wall
- Vents
- Sloped top
- Sloped bottom
- · Factory pressure tested (2 psi)
- Rupture basin alarm
- Fuel level
- · Check valve in supply and return lines
- Rhino Coat[™]- Textured polyester powder coat
- Stainless hardware

CONTROL SYSTEM



Control Panel

- Digital H Control Panel Dual 4x20 Display
- · Programmable Crank Limiter
- 7-Day Programmable Exerciser
- · Special Applications Programmable PLC
- RS-232/485
- · All-Phase Sensing DVR
- · Full System Status
- · Utility Monitoring
- · Low Fuel Pressure Indication
- 2-Wire Start Compatible
- · Power Output (kW)

- Power Factor
- kW Hours, Total & Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- · All Phase Currents
- Oil Pressure
- · Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- FrequencyDate/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/sealed Connectors
- Audible Alarms and ShutdownsNot 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
- 15 channel data logging
- 0.2 msec high speed data logging
- Alarm information automatically comes up on the display

Alarms

- Oil Pressure (Pre-programmable Low Pressure Shutdown)
- Coolant Temperature (Pre-programmed High Temp Shutdown)
- Coolant Level (Pre-programmed Low Level Shutdown)
- Low Fuel Pressure Alarm
- Engine Speed (Pre-programmed Over speed Shutdown)
- Battery Voltage Warning
- Alarms & warnings time and date stamped
- Alarms & warnings for transient and steady state conditions
- Snap shots of key operation parameters during alarms & warnings
- Alarms and warnings spelled out (no alarm codes)

SD080

| 4.5L | 80 kW

GENERAC

INDUSTRIAL

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

CONFIGURABLE OPTIONS

ENGINE SYSTEM

General

- O Oil Heater
- O Industrial Exhaust Silencer

Fuel System

- O Flexible fuel lines
- O Primary fuel filter

Engine Electrical System

- O 10A UL battery charger
- O 2.5A UL battery charger
- O Battery Warmer

ALTERNATOR SYSTEM

- O Alternator Upsizing
- O Anti-Condensation Heater
- O Tropical coating
- O Permanent Magnet Excitation

ENGINEERED OPTIONS

ENGINE SYSTEM

- O Coolant heater ball valves
- O Block Heaters
- O Fluid containment pans

ALTERNATOR SYSTEM

O 3rd Breaker Systems

CONTROL SYSTEM

- O Spare inputs (x4) / outputs (x4) H Panel Only
- O Battery Disconnect Switch

CIRCUIT BREAKER OPTIONS

- O Main Line Circuit Breaker
- O 2nd Main Line Circuit Breaker
- O Shunt Trip and Auxiliary Contact
- O Electronic Trip Breaker

GENERATOR SET

- O Gen-Link Communications Software (English Only)
- O IBC Seismic Certification
- O 8 Position Load Center
- O 2 Year Extended Warranty
- O 5 Year Warranty
- O 5 Year Extended Warranty

ENCLOSURE

- O Weather Protected
- O Level 1 Sound Attenuation
- O Level 2 Sound Attenuation
- O Steel Enclosure
- O Aluminum Enclosure
- O 150 MPH Wind Kit
- O 12 VDC Enclosure Lighting Kit
- O 120 VAC Enclosure Lighting Kit
- O AC/DC Enclosure Lighting Kit
- O Door Alarm Switch

TANKS (Size on last page)

- O Electrical Fuel Level
- O Mechanical Fuel Level
- O 8" Fill Extension
- O 13" Fill Extension
- O 19" Fill Extension

CONTROL SYSTEM

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

GENERATOR SET

O Special Testing

ENCLOSURE

- O Motorized Dampers
- O Door switched for intrusion alert
- O Enclosure ambient heaters

TANKS

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

RATING DEFINITIONS

Standby - Applicable for a varying emergency load for the duration of a utility power outage with no overload capability.

Prime - Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. A 10% overload capacity is available for 1 out of every 12 hours. The Prime Power option is only available on International applications. Power ratings in accordance with ISO 8528-1, Second Edition

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

APPLICATION AND ENGINEERING DATA

General		Cooling System	
Make	Iveco/FPT	Cooling System Type	Closed
EPA Emissions Compliance	Stationary Emergency	Water Pump	Belt Driven Centrifugal
EPA Emissions Reference	See Emissions Data Sheet	Fan Type	Pusher
Cylinder #	4	Fan Speed (rpm)	2538
Туре	In-Line	Fan Diameter mm (in)	660.4 (26)
Displacement - L (cu ln)	4.5 (274.6)	Coolant Heater Wattage	1500
Bore - mm (in)	105 (4.1)	Coolant Heater Standard Voltage	120 V /240 V
Stroke - mm (in)	132 (5.2)		
Compression Ratio	17.5:1		
Intake Air Method	Turbocharged/Aftercooled	Fuel System	
Cylinder Head Type	2 Valve	Fuel Type	Ultra Low Sulfur Diesel Fuel
Piston Type	Aluminium	Fuel Specifications	ASTM
Crankshaft Type	Forged Steel	Fuel Filtering (microns)	5
		Fuel Injection	Stanadyne
Engine Governing		Fuel Pump Type	Engine Driven Gear
Governor	Electronic Isochronous	Injector Type	Mechanical
Frequency Regulation (Steady State)	+/- 0.25%	Fuel Supply Line mm (in)	12.7 (0.5) NPT
		Fuel Return Line mm (in)	12.7 (0.5) NPT
Lubrication System			
Dil Pump Type	Gear		
Oil Filter Type	Full Flow	Engine Electrical System	
Crankcase Capacity - L (qts)	13.6 (14.4)	System Voltage	12 VDC
		Battery Charging Alternator	20 A
		Battery Size	See Battery Index 0161970SBY
		Battery Voltage	12 VDC
		Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	390
Poles	4
Field Type	Revolving
Insulation Class - Rotor	Н
Insulation Class - Stator	Н
Total Harmonic Distortion	<3%
Telephone Interference Factor (TIF)	<50

Standard Excitation	Synchronous Brushless			
Bearings	One-Pre Lubed & Sealed			
Coupling	Direct, Flexible Disc			
Load Capacity - Standby	100%			
Prototype Short Circuit Test	Yes			
Voltage Regulator Type	Digital			
Number of Sensed Phases	3			
Regulation Accuracy (Steady State)	±0.25%			

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

OPERATING DATA

POWER RATINGS

	Standby		
Single-Phase 120/240 VAC @1.0pf	80 kW	Amps:	333
Three-Phase 120/208 VAC @0.8pf	80 kW	Amps:	278
Three-Phase 120/240 VAC @0.8pf	80 kW	Amps:	241
Three-Phase 277/480 VAC @0.8pf	80 kW	Amps:	120
Three-Phase 346/600 VAC @0.8pf	80 kW	Amps:	96

STARTING CAPABILITIES (sKVA)

sKVA vs. Voltage Dip

		480 VAC							208/24	40 VAC			
<u>Alternator</u>	<u>kW</u>	10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	80	59	88	117	147	176	205	44	66	88	110	132	154
Upsize 1	100	79	118	157	197	236	275	59	89	118	148	177	206
Upsize 2	130	116	174	232	290	348	406	87	131	174	218	261	305

FUEL CONSUMPTION RATES*

Diesel - gal/hr (l/hr)

Fuel Pump Lift - ft (m)	Percent Load	Standby
3 (1)	25%	2.1 (7.9)
	50%	3.7 (14.0)
Total Fuel Pump Flow (Combustion + Return)	75%	5.2 (19.7)
13.6 gal/hr	100%	6.3 (23.8)

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

COOLING

		Standby
Coolant Flow per Minute	gal/min (l/min)	32.7 (123.8)
Coolant System Capacity	gal (L)	4.5 (17.44)
Heat Rejection to Coolant	BTU/hr	232,270
Inlet Air	cfm (m³/hr)	6360 (180)
Max. Operating Radiator Air Temp	Fo (Co)	122 (50)
Max. Ambient Temperature (before derate)	Fo (Co)	104 (40)
Maximum Radiator Backpressure	in H ₂ 0	0.5

COMBUSTION AIR REQUIREMENTS

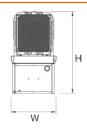
		Standby	
Flow at Rated Power	cfm (m³/min)	306 (8.67)	

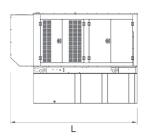
ENGINE			EXHAUST	EXHAUST				
		Standby			Standby			
Rated Engine Speed	rpm	1800	Exhaust Flow (Rated Output)	cfm (m³/min)	782 (22.14)			
Horsepower at Rated kW**	hp	131	Max. Backpressure (Post Silencer)	inHg (Kpa)	1.5 (5.1)			
Piston Speed	ft/min (m/min)	1559 (475)	Exhaust Temp (Rated Output)	°F (°C)	887 (475)			
BMEP	psi	210	Exhaust Outlet Size (Open Set)	mm (in)	76.2 (3.0)			

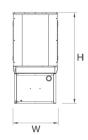
^{**} Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

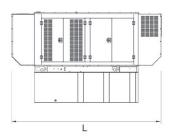
DIMENSIONS AND WEIGHTS*

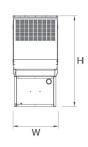


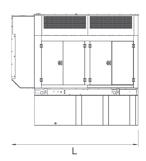


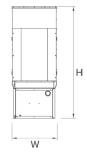












YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

OPEN SET

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Tank & Open Set
NO TANK	-	93 (2362.2) x 40 (1016) x 49 (1244.6)	2425 (1100)
13	79 (299)	93 (2362.2) x 40 (1016) x 62 (1574.8)	2947 (1201)
30	189 (715.4)	93 (2362.2) x 40 (1016) x 74 (1879.6)	3183 (1444)
48	300 (1135.6)	93 (2362.2) x 40 (1016) x 86 (2184.4)	3407 (1545)
56	350 (1325)	110 (2794) x 40 (1016) x 86 (2184.4)	NA
81	510 (1930.5)	117 (2971.8) x 47 (1193.8) x 86 (2184.4)	3790 (1719)
93	589 (2229.6)	128 (3251.2) x 49 (1244.6) x 86 (2184.4)	4269 (1936)

GENERAC

INDUSTRIAL

STANDARD ENCLOSURE

RUN TIME	USABLE CAPACITY	L x W x H in (mm)	WT lbs (kg) - I	Enclosure Only
HOURS	GAL (L)		Steel	Aluminum
NO TANK	-	112 (2844.8) x 41 (1041.4) x 56 (1422.4)		
13	79 (299)	112 (2844.8) x 41 (1041.4) x 69 (1752.6)		
30	189 (715.4)	112 (2844.8) x 41 (1041.4)x 81 (2057.4)	_	
48	300 (1135.6)	112 (2844.8) x 41 (1041.4) x 93 (2362.2)	425 (193)	155 (70)
56	350 (1325)	112 (2844.8) x 41 (1041.4) x 93 (2362.2)	_	
81	510 (1930.5)	117 (2971.8) x 47 (1193.8) x 93 (2362.2)	_	
93	589 (2229.6)	128 (3251.2) x 49 (1244.6) x 93 (2362.2)		

LEVEL 1 ACOUSTIC ENCLOSURE

RUN TIME	USABLE CAPACITY	L x W x H in (mm)	WT lbs (kg) -	Enclosure Only
HOURS	GAL (L)		Steel	Aluminum
NO TANK	-	130 (3302) x 41 (1041.4) x 56 (1422.4)		
13	79 (299)	130 (3302) x 41 (1041.4) x 69 (1752.6)	_	
30	189 (715.4)	130 (3302) x 41 (1041.4) x 81 (2057.4)		
48	300 (1135.6)	130 (3302) x 41 (1041.4) x 93 (2362.2)	450 (204)	285 (129)
56	350 (1325)	130 (3302) x 41 (1041.4) x 93 (2362.2)		
81	510 (1930.5)	130 (3302) x 47 (1193.8) x 93 (2362.2)	-	
93	589 (2229.6)	130 (3302) x 49 (1244.6) x 93 (2362.2)		

LEVEL 2 ACOUSTIC ENCLOSURE

RUN TIME	USABLE	Lu Wu Llin (nana)	WT lbs (kg) -	Enclosure Only
HOURS	OURS GAL (L) CAPACITY L x W x H in (mm) GAL (L)	Steel	Aluminum	
NO TANK	-	112 (2844.8) x 41 (1041.4) x 69 (1752.6)		
13	79 (299)	112 (2844.8) x 41 (1041.4) x 82 (2082.8)		
30	189 (715.4)	112 (2844.8) x 41 (1041.4) x 94 (2387.6)		
48	300 (1135.6)	112 (2844.8) x 41 (1041.4) x 106 (2692.4)	625 (284)	395 (180)
56	350 (1325)	112 (2844.8) x 41 (1041.4) x 106 (2692.4)		
81	510 (1930.5)	117 (2971.8) x 47 (1193.8) x 106 (2692.4)		
93	589 (2229.6)	128 (3251.2) x 49 (1244.6) x 106 (2692.4)		

^{*}All measurements are approximate and for estimation purposes only. Sound dBA can be found on the sound data sheet. Enclosure Only weight is added to Tank & Open Set weight to determine total weight.

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