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Understanding and choosing an appropriate skimmer

Abanaki skimmers remove any free floating hydrocarbon (oil, fat or grease) from aqueous liquids. This includes: kerosene, Bunker C, gasoline, diesel fuel, tramp oils, motor oils, salad oils, tuna oil, chicken fat, trichlorethylene, perchlorethylene, and many others.

Wastewater Sumps

- To reclaim waste oils before ejecting the water into the sewage system. The skimmer pays for itself in no time.

Coolant Tanks

- To remove tramp oils from coolant. Results are longer coolant life, cleaner coolant, and smooth operating machinery.

Heat Treating Quench Tanks

- Remove waste oils so they do not disrupt the rest of the heat treating operation.

Parts Washers

- Removes tramp oils from washwater allowing water to be recycled.

Parking Lots - Truck Washing Stations

- Recovers oil runoff from the buried API separators before the water is ejected into the sewers.

CNC Machine Beds

- Removes tramp oil from coolant beds..

Outdoor Ponds, Lakes, even Streams

- Where floating oil contamination requires removal.

Food Processing Facilities

- To lift or remove any type of edible oil or fat. Typical applications include a pet food factory where pig grease is removed from processing vats, and a tuna canning facility where fish oil is removed for reprocessing.

In conjunction with Filtration Equipment

- Removes floating oil before filtration, preventing clogging, and prolonging the life of the filter.

Monitoring Wells

- Removes oil and fuel from underground aquifers.

Understanding and choosing an appropriate skimmer

INDUSTRIES WHERE ABANAKI PRODUCTS ARE OPERATED:

Manufacturers of :

- Food and kindred products
- Textiles
- Wood and paper products, including furniture and containers
- Printing, publishing, and related products
- Chemicals and related products
- Petroleum refining and related industries
- Rubber and plastics products
- Leather products
- Stone, clay, glass and concrete products
- Primary metals (steel, copper, foundries, etc.)
- Fabricated metal products
- Machinery
- Electrical and electronic machinery, equipment and supplies
- Transportation equipment
- Medical related products (optics, drugs, instruments, etc.)

Other Industries include:

Agriculture, Forestry, and Fishing

Ore Mining

Oil and Gas Extraction

Mining and Quarrying of nonmetallic minerals

Construction

Railroad Transportation

Commercial Shipping Fleets

Local, Suburban and Highway Transportation

Motor Freight Transportation and warehousing

Car and Truck Washing

U.S. Postal Service

U.S. Corp. of Engineers

Electric and Gas utilities

Sanitary and Sewage treatment

Water utilities

Dry cleaning plants, industrial laundries, and garment or uniform services

Automotive repair, services and garages

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Understanding and choosing an appropriate skimmer

EXPERIENCE:

- Abanaki has been the leader in *belt* oil skimming technology for over thirty years. Unlike others, oil skimming has remained our *specialty*.

EASE OF INSTALLATION, OPERATION, AND MAINTENANCE:

- Depending on the unit, installation times range from 5 to 45 minutes. Abanaki skimmer's small imprint allows easy installation with little or no modification to existing structures. A variety of electrical sources can be used, so that the customer can specify electrical box / switch setup. And our concise installation instructions are the best in the industry.

GREAT RANGE OF CAPACITIES:

- Abanaki skimmers have removal rates ranging from 1 gallon per hour (3.8 liters per hour) to more than 200 gph (757 lph).

LIFTING POWER:

- A single unit elevates and separates oil distances as little as 6 inches (15 cm) up to 100 feet (3048 cm) or more.

OUTPUT QUALITY:

- Our skimmers have satisfied EPA requirements of leaving less than 5ppm (parts per million) of oil in water. In addition, with an Abanaki Oil Concentrator™, the oil skimmer will pick up less than 1% water with the removed product.

VALUE:

- Operating an Abanaki skimmer can actually save you money. Our skimmers require little labor, conserve wash water, lengthen coolant life and reduce disposal costs while allowing removed oil to be reused or recycled. All Abanaki skimmers are designed to give years of operation in the most demanding conditions.

NEXT DAY DELIVERY ANYWHERE IN THE CONTINENTAL U.S.A.

- Most of our standard oil skimmers and spare parts are stock items ready to ship. In case of emergencies, we can have a skimmer at your door in less than 24 hours, ready to solve your hydrocarbon contamination.

Understanding and choosing an appropriate skimmer

Capacity

What is the maximum amount of oil to be removed, and the shortest period of time available to do it?

Example:

- For instance, total input may be 200 gallons within a 24-hour period, which is about 8.3 gallons per hour. This data suggests a 4" Tote-It would be the skimmer ideal for this application (see below). However, should this oil contamination require removal in a shorter period of time, then an Oil Grabber® Model 4 or 8² would be a better choice. Therefore, to handle unforeseen emergencies, we recommend choosing a skimmer with twice the capacity you would anticipate in normal conditions.

Capacity	MM* 1" SST	MM* 2" SST	Tote-It/ Petro 1"	Tote-It/ Petro 2"	Tote-It/ Petro 4"	Oil Grabber 4"	Oil Grabber 8"	MB* 2 x 8	MB* 3 x 8	MB* 5 x 8
1 GPH	X	X	X	X	X	X	X	X	X	X
2 GPH		X	X	X	X	X	X	X	X	X
3 GPH			X	X	X	X	X	X	X	X
6 GPH				X	X	X	X	X	X	X
12 GPH					X	X	X	X	X	X
20 GPH						X	X	X	X	X
40 GPH							X	X	X	X
80 GPH								X	X	X
120 GPH									X	X
200 GPH										X

* (MM – Mighty-Mini)

* (MB – Multi-Belt)

Capacity	TubeTastic! Tube	Mighty Disk
1 GPH	X	X
3 GPH		X

NOTE:

- Skimmer capacity is not affected by the length of the belt.
- The entire tail pulley must be under water for maximum skimmer efficiency.
- Choose a belt length that will allow for easy mounting of the skimmer where oil discharge is convenient, and has access for routine maintenance. Abanaki's ability to use belts to lift skimmed material well over 100-feet with almost no loss in capacity or efficiency is an important feature for many users.

Understanding and choosing an appropriate skimmer

INFORMATION ABOUT ABANAKI BELTS

Corrosion Resistant Belt Series - After years of research and testing, this has become the material of choice. The CR steel belt is made from a specially formulated stainless steel alloy that is high in chrome, low in molybdenum, and low in carbon. The CR belt stands up to high temperatures and harsh chemicals. With belts operating continuously for 10 years in some cases, applications for this belt are almost limitless. The only limitations on its' use are certain combinations of temperature, pH levels, and type of solutions.

Elastomeric Belt Series - Our specially formulated elastomer is more attractive to oil and repellent to water than competitive products. It is an extremely durable material able to withstand rough handling during installation and maintenance. The elastomer belt is ideal in applications where abrasive particles are present or when physical abuse of the belt is likely. The single material belt will not delaminate and is designed for continuous operation. The ideal temperature range when using this material is between 50°F (10°C) and 140°F (60°C). Elastomer is also UV sensitive, so prolonged exposure to the sun should be avoided.

Poly-Belt - A polyester mono-filament with polyurethane liner, this material is available for demanding applications such as turbulent solutions or explosive atmospheres. An ideal application for the poly-belt is oil remediation using existing monitoring wells. It is also recommended for excessive long distances to pull heavy oils with no stretching. The poly-belt has an operating temperature range between 14°F(-10°C) and 170°F(77°C) continuous. The poly-belt is also effective for picking up certain types of floating emulsified oils.

Poly-XP – A NBR (textured pattern, blue) coated polyamide fabric, 1.25mm thick. Temperature range -4°F (-20°C) to 140°F (60°C) continuous, -22°F (-30°C) to 212°F (100°C) intermittent. This belt has a high strength pre-set nylon core with superior resistance to flexing fatigue. Resistant to fats, oils, grease, gasoline, and many other chemicals & solvents. Not resistant to Phenol, Cresol, and concentrated acids.

Poly-HT - The Poly-HT belt material can be used in applications where temperatures range between 14°F (-10°C) and 212°F (100°C) without stretching. It can also withstand harsh chemical environments such as those found in the plating industry.

LFO "Fuzzy" Polymer Belt - The Patent Pending LFO Polymer belt is specifically designed for high volume recovery of light to medium weight oils. The pickup fibers are .18" in cut length with a density of 18 denier and are mounted on a woven polymer backing at an angle of 45° in the direction of belt travel. Gasoline, diesel, jet fuels, etc. are recovered quickly and efficiently; expected recovery can be increased by as much as a factor of **95** from our other belts (SAE30 oil tested at a factor of 3). The belt is designed for 33°F (.5°C) to 160°F (71°C) with pH levels of 3 to 11. Reinforced to prevent stretching, this belt has tremendous surface area with only minimal change to the footprint of our more "standard" belts.

BELT SAMPLES ARE AVAILABLE FOR TESTING.

Understanding and choosing an appropriate skimmer

CHOOSING THE RIGHT BELT MATERIAL

Abanaki offers six different belt materials, each with its own properties. The chart below indicates the appropriate belt for the most common applications. The guidelines below are general, actual performance of belts will depend on the variables of each application. Heat, for example, increases a belt's sensitivity to pH levels. To help choose the right belt for your application, Abanaki offers free samples of the available belt material for testing.

Belt Capabilities	Corrosion Resistant Steel	Elastomer	Poly-Belt	Poly-XP	Poly-HT	LFO "Fuzzy"
+ 150°F (66°C)	YES	NO	YES	YES	YES	YES
pH down to 3 pH up to 13	YES	YES	YES	YES	YES	YES (down to 3) NO (up to 11)
Can operate in the presence of grit, fine and other suspended particles	YES	YES	YES	YES	YES	YES

BELT ORDERING INFORMATION:

Oil Grabbers[®]:(Model 8², Model 4, MB)

- The belt length is determined by the distance between the centers of the two pulleys. This is the center to center length. It is determined by measuring the distance from the mounting plane to the liquid at its lowest level, and adding 2 feet (61 cm). See "Belt Length Layout Drawing" for each model.
- Oil Grabber[®] belts can be ordered in any size between 1'6" to 100' (feet), rounded off to the nearest 6 inches. All belt lengths up to 4 feet have the same base price with belt lengths over 4 feet priced on a cost per foot basis.

Portables: (Tote-It[®], PetroXtractor[®])

- The belt length is determined by the distance between the centers of the two pulleys. The center to center length is determined by measuring the distance from the mounting plane to the liquid at its lowest level, and adding 1 foot (30 cm). See "Belt Length Layout Drawing" for each model.
- Tote-It belts can be ordered in any size between 1'6" to 5' (feet), rounded off to the nearest 6 inches. All belt lengths up to 5 feet are priced according to the unit. Belt lengths over 5 feet can be arranged using a special adapter and are priced accordingly.
- PetroXtractor belts can be ordered in any size up to 110', typically in increments of 6".

(Mighty-Mini[®] SST)

- The belt length is determined by measuring the distance from the mounting plane to the bottom of the tail pulley. Lengths available are 6", 12", 18" and 24"

**Steel belts should be handled with care!
(Nicks and Creases Substantially reduce the belt's life.)**

Abanaki products should only be used with approved Abanaki belts and wiper blades.

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Understanding and choosing an appropriate skimmer

SPECIFYING WIPER BLADE MATERIAL

Wiper blades are offered in five different materials to suit a variety of operating conditions. The standard material is **Nitrile**, which is appropriate for 95% of all applications. One of the optional materials, **CRV**, is recommended for particularly harsh conditions.

WHAT TYPE OF WIPER BLADES ARE BEST?

The charts below illustrate characteristics of each material.

PROPERTY	NITRILE	CRV
Minimum recommended temp °F (°C)	-25 (-32)	-20 (-29)
Maximum recommended temp °F (°C)	+240 (+116)	+400 (+204)
Hardness (durometer)	A40-95	A70-80
Resistance to: Tearing	Good	Poor to fair
Abrasion	Good-Excellent	Good
Oxidation	Good	Outstanding
Aliphatic hydrocarbons	Excellent	Excellent
Aromatic hydrocarbons	Good	Excellent
Oxygenated alcohol's	Good	Excellent
Dilute or Concentrated acids	Good	Good-Excellent

PROPERTY	CERAMIC	STAINLESS STEEL	HYBRID
Minimum recommended temp °F (°C)	All Temperatures	All Temperatures	-40 (-40)
Maximum recommended temp °F (°C)	All Temperatures	All Temperatures	+140 (+60)
Resistance to: Tearing	N/A	N/A	Excellent
Abrasion	Excellent	Excellent	Excellent
Oxidation	Excellent	Excellent	Excellent
Aliphatic hydrocarbons	Excellent	Excellent	Excellent
Aromatic hydrocarbons	Excellent	Excellent	Excellent
Oxygenated alcohol's	Excellent	Excellent	Not Tested
Dilute or Concentrated acids	Excellent	Excellent	Excellent

NOTES:

- Both Nitrile and CRV wiper blades have excellent resistance to heat aging.
- CRV is recommended for outdoor use (Nitrile is sensitive to UV rays)

(All data comes from Perry's Chemical Engineer's Handbook, 6th edition.)

Understanding and choosing an appropriate skimmer

TYPE OF MOTOR

All Abanaki skimmers are designed to be driven by standard, industrially rated, motors with fully enclosed speed reducing drives. Abanaki skimmers can be specified with the following motors:

- Drip Proof
- TEFC (Totally Enclosed Fan Cooled)
- Severe Duty
- Explosion Proof - Class I, Group D Class II, Groups F & G
- Weather Protected Type
- Chemical Duty
- 12vDC

WHAT TYPE OF MOTOR DO YOU REQUIRE?

The following are the standard motors available with Abanaki belt skimmers:

Oil Grabbers[®]

- 60Hz 1-ph 115/208-230v 1/4hp 1725rpm 56C Face TEFC
- 60Hz 3-ph 208-230/460v 1/4hp 1725rpm 56C Face TEFC
- 50Hz 1-ph 110/220v 1/2hp 1425rpm 56C Face TEFC
- 50Hz 3-ph 220/380/440v 1/2hp 1425rpm 56C Face XPFC

Tote-It[®] Portable

- gear motor, 60Hz 115v 1/20hp 12rpm
- gear motor, 50Hz 110/220v 12.5rpm
60Hz 115/230v 15rpm

Mighty Mini[®] SST

- gear motor, 60Hz 115v 30rpm needle bearing fan-cooled
- gear motor, 50Hz 230v 30rpm needle bearing fan-cooled

Grease Grabber[®]

- 60Hz 1-ph 115/208-230v 1/4hp 1725rpm 56C Face TEFC
- 50Hz 1-ph 110/220v 1/2hp 1425rpm 56C Face TEFC

PetroXtractor[®]

- gear motor, 60Hz 115v 1/20hp 30rpm
- gear motor, 60Hz 115v 1/20hp 12rpm
- gear motor, 50Hz 110/220v 12.5rpm
60Hz 115/230v 15rpm

Understanding and choosing an appropriate skimmer

The following are the standard motors available with Abanaki disk and tube skimmers:

Mighty[®] Disk Skimmer

- Gear Motor, 60Hz 115v 7rpm
- Gear Motor, 50Hz 260v 7rpm
- Gear Motor, 60Hz 115v 3.5rpm
- Gear Motor, 50Hz 260v 3.5rpm

TubeTastic![™] Tube Skimmer

- Gear Motor, 60Hz 115v 45rpm
- Gear Motor, 50Hz 260v 45rpm

If you are faced with an unusual requirement, contact the factory about the availability of special motors, controls and drive components.

Understanding and choosing an appropriate skimmer

Optional Equipment

Abanaki oil skimmers offers various options to adapt to different applications. Some of the most common options are listed below:

Mounting stands:	Concentrator and Options:
Barrel mount support bracket for the Tote-It	Tote-It mounting adapter
5' storage stand for the Tote-it	Stainless steel Concentrator (SS 316) - OC-110
Universal mounting stand 48" high	Concentrator with heater OC-110 & OC-200
Cage type stand for pits	Other Options
	Heater hood for outdoors (Model 8 ² and 2x8)
	Yokes and chains for all skimmers
	Belt Retainer

OPTIONS AND OTHER CAPABILITIES	Oil Grabber		Portable		Multi-Belt Units		
	Model 8 ²	Model 4	Tote-It 1",2",4"	PetroXtractor 1",2",4"	MB 2x8	MB 3x8	MB 5x8
HEATED DECANter	X	X		X	X	X	X
MORE THAN 10 FEET OF LIFTING DISTANCE	X	X		X	X	X	X
HEATED HOOD FOR OUTDOOR COLD WEATHER APPLICATIONS	X				X	X	X
AVAILABLE IN 316 STAINLESS	X	X	X	X	X	X	X
CORROSION RESISTANT STEEL BELT	X	X	X		X	X	X
OUTDOOR SHELTER	X	X	X	X	X	X	X
BELOW GRADE UNIT	X			X			
VAPOR TIGHT ENCLOSURE	X			X			
FLOAT SWITCH DRUM SHUTOFF	X	X	X	X	X	X	X

Understanding and choosing an appropriate skimmer

Instructions: copy sheets, complete worksheet and then fax to Abanaki.

Name: _____, PH: _____, Fax: _____

Company: _____

Address: _____

Capacity in GPH	MODEL OF SKIMMER	<input checked="" type="checkbox"/> one	Quantity
1	Mighty Mini 1" SST		
2	Mighty Mini 2" SST		
3	Tote-It Portable 1" PetroXtractor 1"		
6	Tote-It Portable 2" PetroXtractor 2"		
12	Tote-It Portable 4" PetroXtractor 4"		
20	Oil Grabber Model 4		
40	Oil Grabber Model 8 ²		
80	Multi-Belt 2x8 Unit		
120	Multi-Belt 3x8 Unit		
160	Grease Grabber		
200	Multi-Belt 5x8 Unit		

Optional SS construction (Y/N)? _____

<input checked="" type="checkbox"/> one	TYPE OF BELT	LENGTH OF BELT <small>(Length of belt measured ctr-ctr between head pulleys)</small>
	STAINLESS STEEL	
	ELASTOMER	
	POLY BELT	
	POLY-XP	
	POLY-HT	
	LFO "Fuzzy"	

Capacity in GPH	MODEL OF SKIMMER	<input checked="" type="checkbox"/> one	Quantity
1-1/2	TubeTastic! Tube		
2	Mighty Disk 12"		
2	Mighty Disk 18"		

<input checked="" type="checkbox"/> one	TubeTastic!
	6" Tube
	12" Tube
	18" Tube
	24" Tube

<input checked="" type="checkbox"/> one	Mighty Disk	<input checked="" type="checkbox"/> one	Mighty Disk
	12" Standard Disk		12" High Temp. Disk
	18" Standard Disk		18" High Temp. Disk

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Understanding and choosing an appropriate skimmer

WIPER BLADE MATERIAL	<input checked="" type="checkbox"/> one
NITRILE (Standard on Carbon Steel units)	
CRV (Standard on SS units)	
Ceramic	
Stainless Steel	
Hybrid	

HEATER FOR SKIMMER (single phase only). Available on Model 8² and Multi Belt units only.

OIL SKIMMER STANDS AND MOUNTS <i>Circle Choice</i>				
MIGHTY MINI	PETROTRACTOR	TOTE-IT	MODEL 4 & 8 ²	MULTI-BELT UNITS
DUAL POSITION MOUNTING BRACKET	DRUM MOUNT	DRUM MOUNT	4' STAND	MB STAND
	4' STAND	4' STAND	SURFACE MOUNT	
		STORAGE STAND	CHANNEL MOUNT	

TAIL PULLEY options	YOKE & TETHER	BELT RETAINER	SS CONSTRUCTION
<input checked="" type="checkbox"/> all that apply			

CONCENTRATORS	√ CONCENTRATOR	√ OPTIONAL HEATER	√ OPTIONAL S.S. CONSTRUCTION
ODM-100 Mighty-Mini 1" and 2", Tote-It 1" and 2"		N/A	N/A
OC-110 Tote-It 4", PetroXtractor PX-A, PX-B and PX-C, Model 4, and Model 8 ²			
OC-200 Multi-Belt Units			
Mighty Disk		N/A	

Outdoor Shelters, Below Grade Unit, and Vapor Tight Enclosure Options <input checked="" type="checkbox"/> all that apply					
	Model 8 ²	Model 4	Tote-It 1",2",4"	PetroXtractor 1",2",4"	Multi-Belt Units
Outdoor Shelter					
Below Grade Unit	N/A	N/A	N/A		N/A
Vapor Tight Enclosure		N/A	N/A		N/A

Description of application. Please include type of oil, pH and temperature of solution, and size of tank (dimensionally and gallon capacity). Include a sketch if possible.

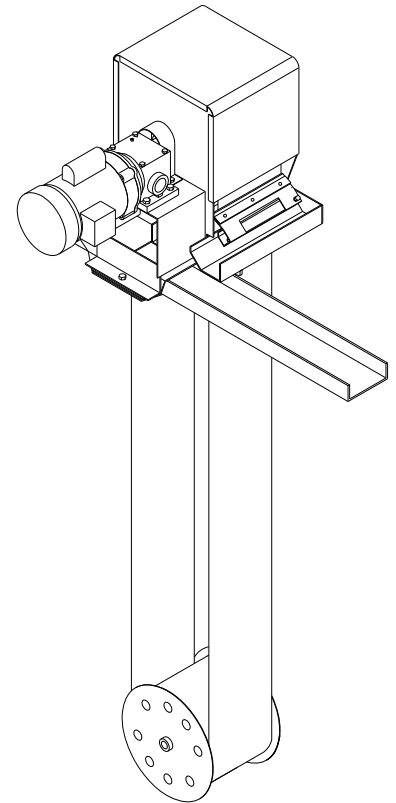
- Use these sheets when inquiring about possible configurations, always consult the factory for exact and up to date information.

Thank you for specifying an Abanaki Skimmer.

Oil Grabber[®] Model 8²

Quick Summary:

A heavy duty oil skimmer, using patented technology, to solve large oil contamination problems. Special options available with the Model 8² include: all stainless steel construction, vapor tight enclosure, infrared heater hood for non-explosive freezing applications and a complete system control box. Also the Model 8² has the versatility of the standard channel mount or optional flat surface mount. Applications include: truck washes, heat treating plants and power plants.



Highlights:

1. A continuous 8" belt of corrosion resistant steel or elastomer up to 100 feet center to center.
2. Oil discharge is through 3" M.P.T. coupling on flat mount model, and a 5" channel on channel mount model.
3. A removable steel guard for visual inspection of drive pulley.
4. TEFC motor.
5. Removes up to 40 gallons of medium weight oil per hour.
6. Adjustable wiper blade assembly.

Quick Chart:

STANDARD MOTOR

OPTIONAL MOTOR

CAP. GAL.	MODEL	BELT WIDTH	BELT LENGTH	RPM AMPS	VOLTS Hz	PHASE	RPM AMPS	VOLTS Hz
40	1 x 8	8"	Up to 100 ft.	1725 RPM 5/2.6/2.5	115/208-230 60Hz	1 PH TEFC	1425 RPM 7.2/3.6	110/220 50Hz
40	1 x 8	8"	Up to 100 ft.	1725 RPM 1.4/1.3/.65	208-230/460 60Hz	3 PH TEFC	1425 RPM 2/1.2/1	220/380/440 50Hz

Note:

Additional motors, including explosion proof, are available per customer specification. See motor spec sheet for complete listing of motors. Always consult the factory for special applications.

Oil Grabber® Model 8²

PART 1: GENERAL

1.01 Construction

1. Solid welded carbon steel with a baked on powder coat finish.
 - A. Color: RAL5005 or equivalent (Dark Blue).
2. Stainless Steel.

1.02 Pulley Types

1. Drive Pulley (Head Pulley)
 - A. Magnetic drive pulley. Two magnet assemblies per cross bar with 8 cross bars per head.
2. Tail Pulley
 - A. Solid drum type, free floating in belt. With collars for shaft when yoke & chain are required.
 - B. High Capacity.

1.03 Motor: (one of two motors standard)

- 1/4 H.P. 1 PH 60Hz TEFC
1725 RPM 56 C-Face
115/208-230 Volt
5 / 2.6 / 2.5 Amps
or
1/4 H.P. 3 PH 60Hz TEFC
1725 RPM 56 C-Face
208-230/460 Volt
1.4 / 1.3 / .65 Amp

1.04 Gear Reducer

1. Standard C-Face
 - A. 150:1 double reduction
 - B. Oil filled
 - C. Bronze gears/ball bearings

See separate specification sheet for additional details

1.05 Guard

1. Solid cover over drive pulley area.

1.06 Belt Material and Length

1. Standard Corrosion Resistant Steel Belt.
2. Length as required up to 100'.

1.07 Wiper Blades

1. Standard Material: Nitrile.
 - A. Front Wiper Assembly - Spring tensioned with single wiper insert.
 - B. Rear Wiper Assembly - Stationary wiper holder, single wiper insert.

1.08 Oil Discharge Outlet

1. Standard Channel Mount
 - A. Dual troughs discharging into a single 5" channel to oil collection tank.
2. Flat Surface Mount *Optional*
 - A. Dual troughs discharging through a 3" M.P.T.

1.09 Mounting Arrangements

1. Standard Skimmer Configuration
 - A. 5 x 6.7 (5" channel) x 20" long minimum; also doubles as discharge outlet.
2. Optional Skimmer Configurations
 - A. Flat Surface Mount with 3" M.P.T. for piped discharge.
 - B. 4 x 7.25 (4" channel) same as 1.09.1, use of 5 x 6.7 preferred.

1.10 Weights and Size

1. 61 lbs. skimmer + 20 lbs. motor = 81 lbs/unit
2. Overall size of std. unit: 29-1/2"L x 16"W x 20"H
3. Overall size of unit w/heater: 29-1/2"L x 20"W x 20"H

1.11 Mounting Requirements

1. Minimum Opening for Tail Pulley with Yoke: 16" Dia.
2. Minimum Opening for Tail Pulley with Yoke and Retainer: 18" Dia.
3. Minimum Mounting Height: 20"
4. Minimum Mounting Height w/optional 4' stand:
 - A. Channel mount: 66-1/4"
 - B. Flat mount: 69-3/8"

1.12 Power Requirements

1. Hard wired per motor and local/national code.

1.13 Optional Mounting Arrangements

1x8 Mounting Stand will support a single 1x8 and a single OC-110 decanter. Stand is 48" high.

ABANAKI

Electric Motor List

Oil Grabber[®] Model 8²

Standard motors 60 Hz:

1/4 H.P. 1 PH 60 Hz TEFC
1725 RPM 56 C-Face
115/208-230 Volt
5 / 2.6 / 2.5 Amp

or

1/4 H.P. 3 PH 60Hz TEFC
1725 RPM 56 C-Face
208-230/460 Volt
1.4 / 1.3 / .65 Amp

1/3 H.P. 3 PH 60 Hz EXP.
1725 RPM 56 C-Face
208-230/460 Volt
1.8 / 1.6 / .8 Amp

1/2 H.P. 3 PH 50 Hz EXP.
1425 RPM 56 C-Face
220/380/440 Volt
2 / 1.2 / 1 Amp

1/2 H.P. 1 PH 50 Hz EXP.
1425 RPM 56 C-Face
110/220 Volt
7.2 / 3.6 Amp

Optional 50Hz motors:

1/2 H.P. 1 PH 50 Hz TEFC
1425 RPM 56 C-Face
110/220 Volt
7.2 / 3.6 Amp

or

1/2 H.P. 3 PH 50 Hz TEFC
1425 RPM 56 C-Face
220/380/440 Volts
2 / 1.2 / 1 Amp

Optional 575 Volt Motors

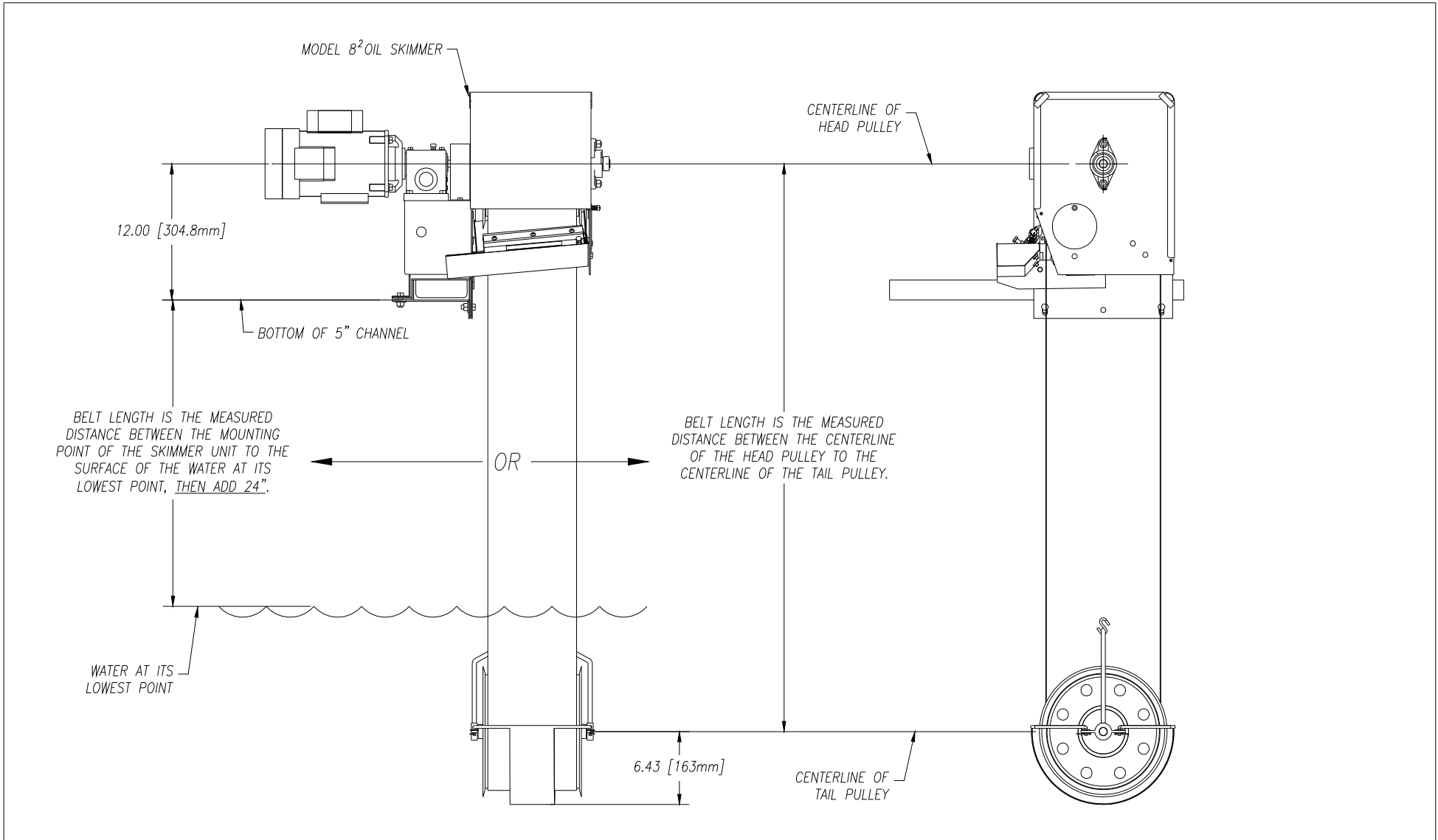
1/3 H.P. 3 PH 60 Hz TEFC
1725 RPM 56 C-Face
575 Volt
.64 Amp

1/2 H.P. 3 PH 60Hz EXP.
1725 RPM 56 C-Face
575 Volt
.9 Amp

1/2 H.P. 3PH 60Hz TEFC
1725 RPM 56 C-Face
575 Volt
.8 Amp

Optional Explosion-Proof Motors 50 & 60 Hz:

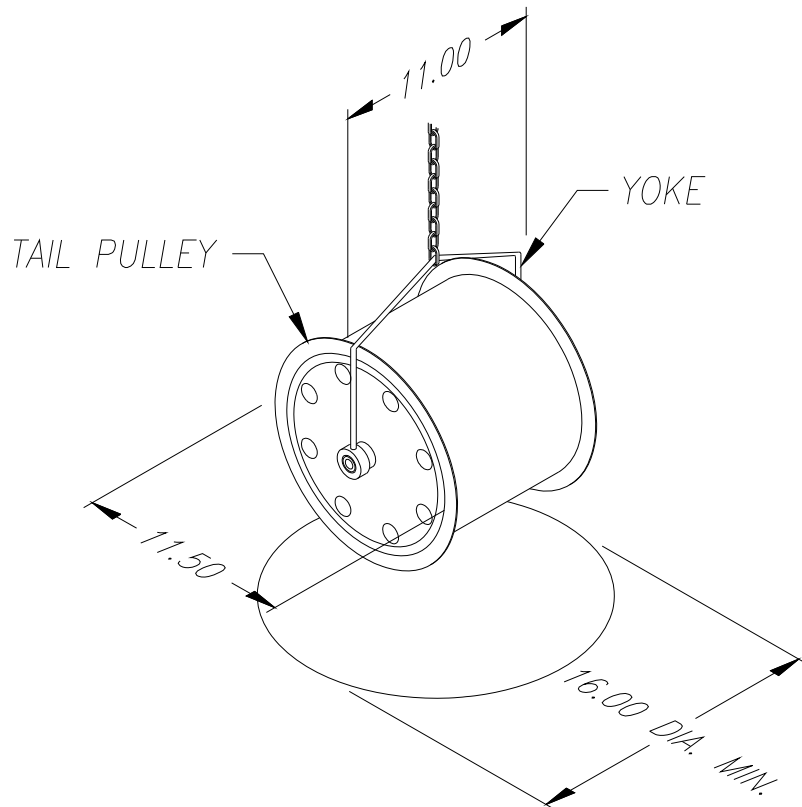
1/3 H.P. 1 PH 60 Hz EXP.
1725 RPM 56 C-Face
115/208-230 Volt
6 / 3.2 / 3 Amp



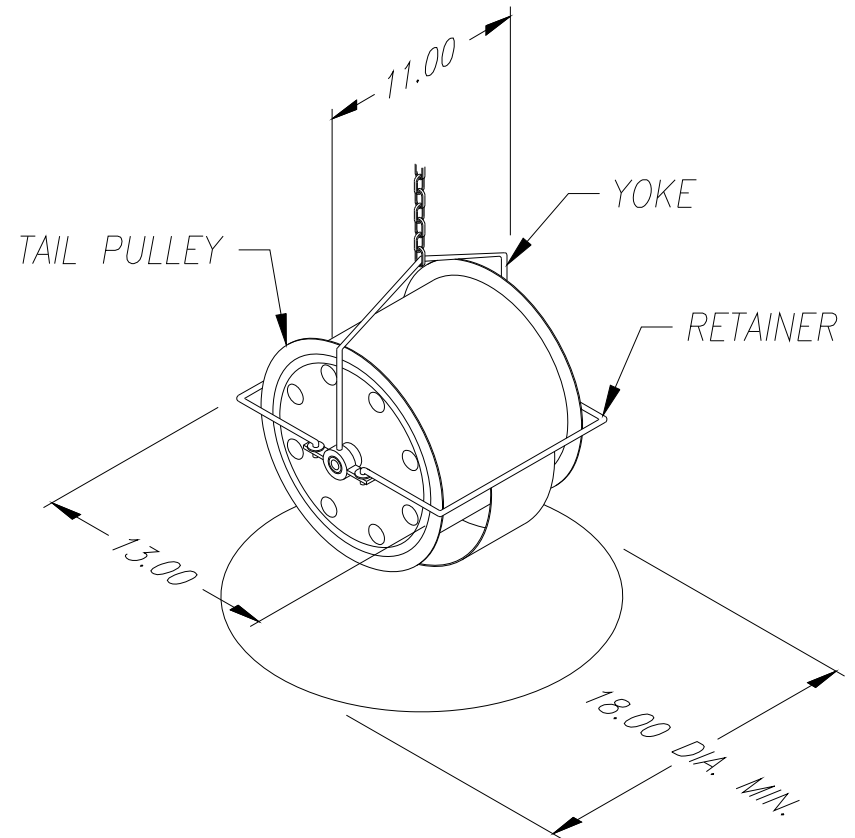
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TOLERANCES:		Chagrin Falls, Ohio 44023 (440) 543-7400	
DECIMALS	ANGULAR	MODEL 8 ² OIL SKIMMER	
.XX ± .05	± 0.5°	BELT LENGTH	
.XXX ± .010		LAYOUT DRAWING	
DO NOT SCALE DRAWING		SIZE	REV
DRAWN BY: Ken Faagan		D	0
PRINT ISSUED ON: 10/12/99		SCALE	ENG. NO. ASSY3_L1
REPLACES:		DATE: 10/12/99	SHEET 1 of 1

REV	DESCRIPTION	DATE	APPROVED

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MINIMUM REQ'D OPENING FOR
TAIL PULLEY ONLY
OR
TAIL PULLEY WITH YOKE



MINIMUM REQ'D OPENING FOR
TAIL PULLEY YOKE & RETAINER

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS ANGULAR
.XX ± .05 ± 0.5°
.XXX ± .010

ABANAKI CORPORATION
Chagrin Falls, Ohio 44023 (440) 543-7400

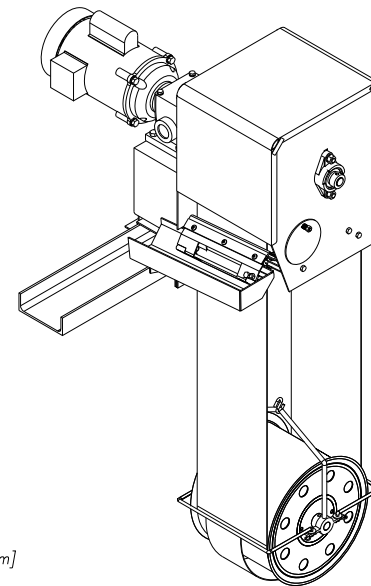
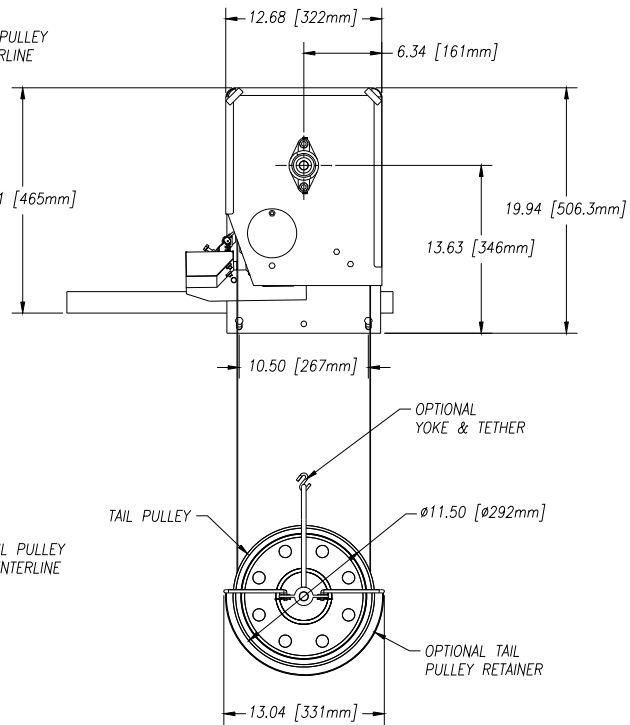
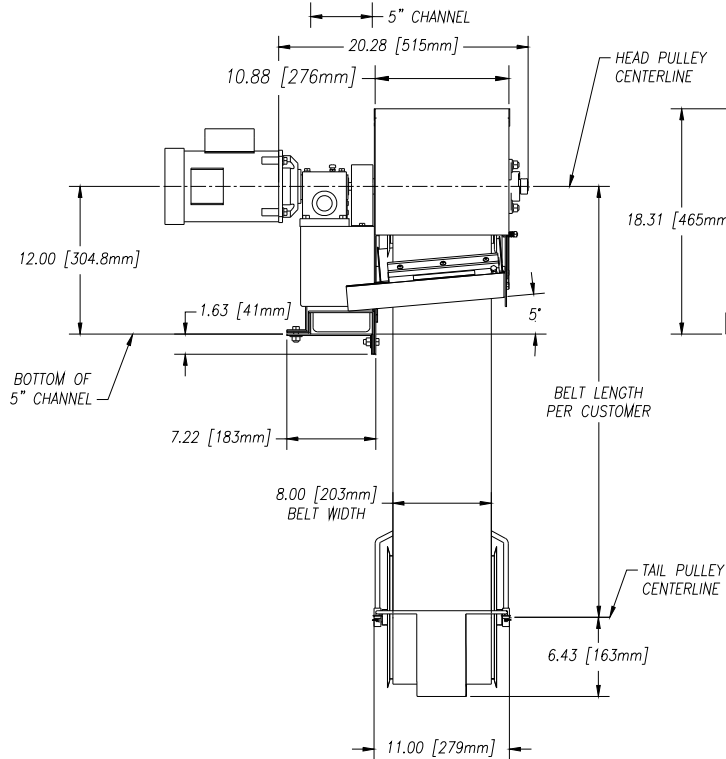
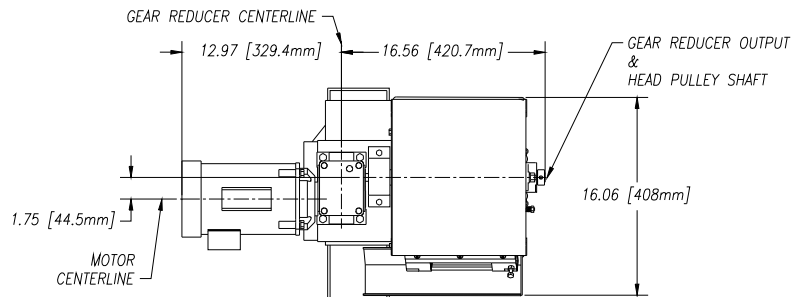
MODEL 8 TAIL PULLEY
REQ'D OPENING
OVERALL DIMENSIONAL DRAWING

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PRINT ISSUED ON: 12/09/98

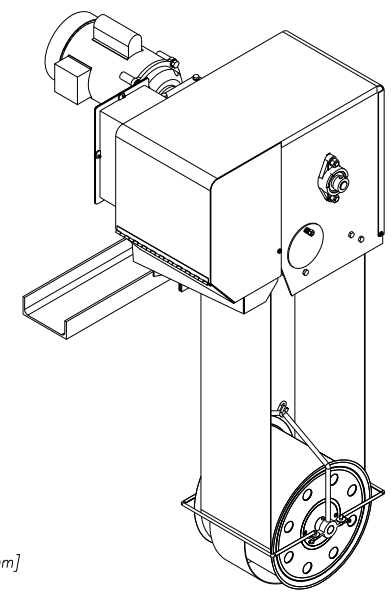
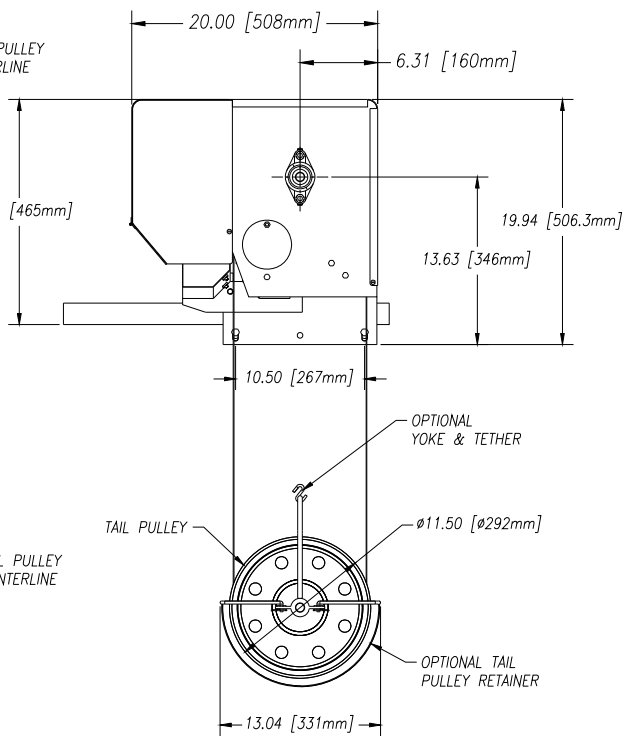
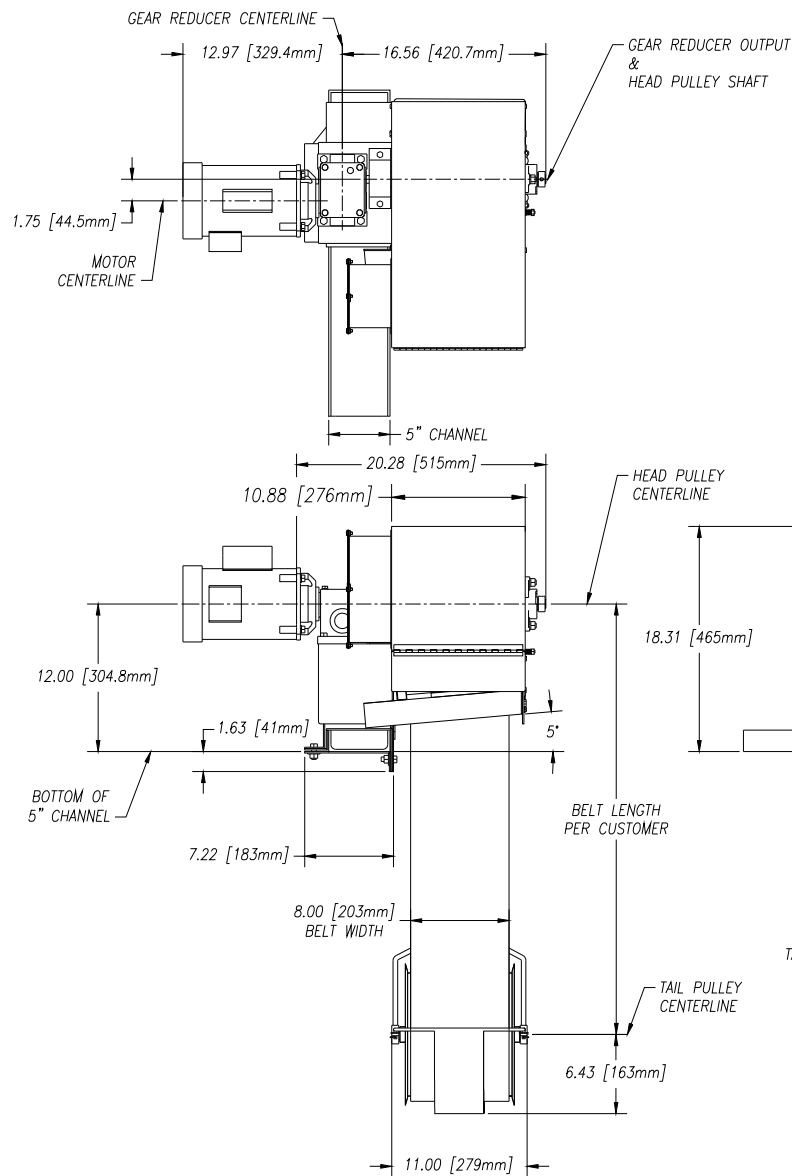
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DATE: 12/09/98
REPLACES: SHEET 1 of 1



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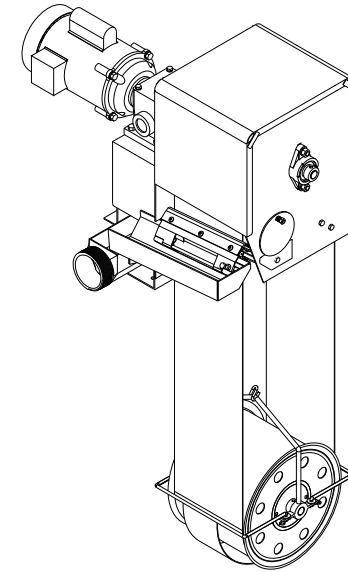
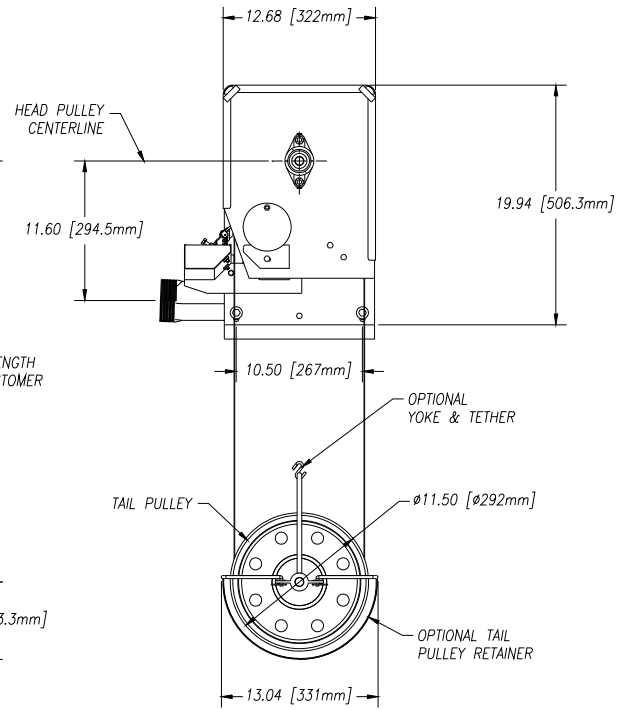
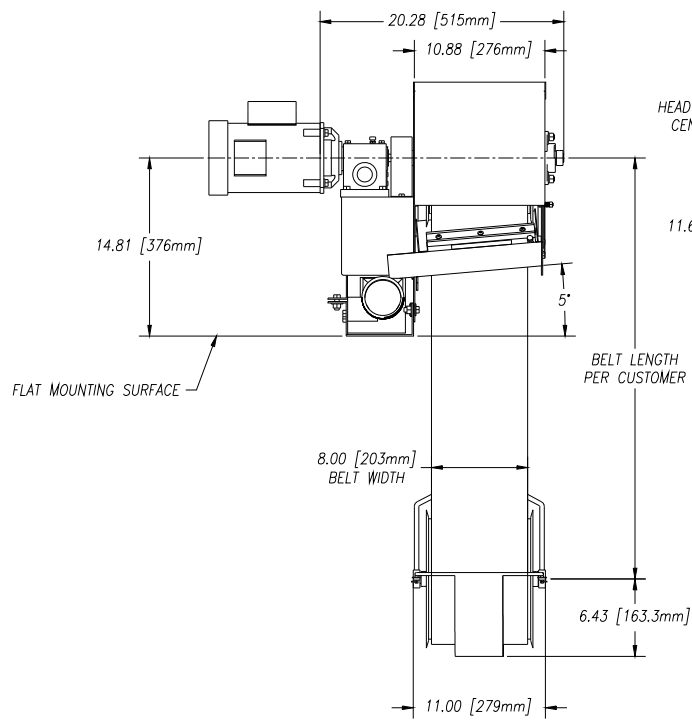
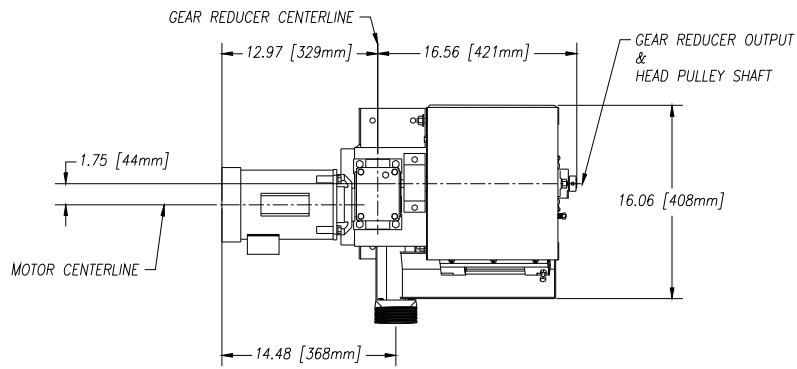
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DO NOT SCALE DRAWING		MODEL 8" OIL SKIMMER CHANNEL MOUNT OVERALL DRAWING	
DRAWN BY: Ken Fagan	SIZE: D	SCALE: -	SING NO.: ASSY3_L2
PRINT ISSUED ON: 10/12/99	REPLACES:	DATE: 10/12/99	SHEET 1 of 1



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ABANAKI CORPORATION Chagrin Falls, Ohio 44023 (440) 543-7400	
TOLERANCES:		MODEL 8" OIL SKIMMER W/HEATER CHANNEL MOUNT OVERALL DRAWING	
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PRINT ISSUED ON: 11/10/99		REPLACES:	DATE: 11/10/99 SHEET 1 OF 1

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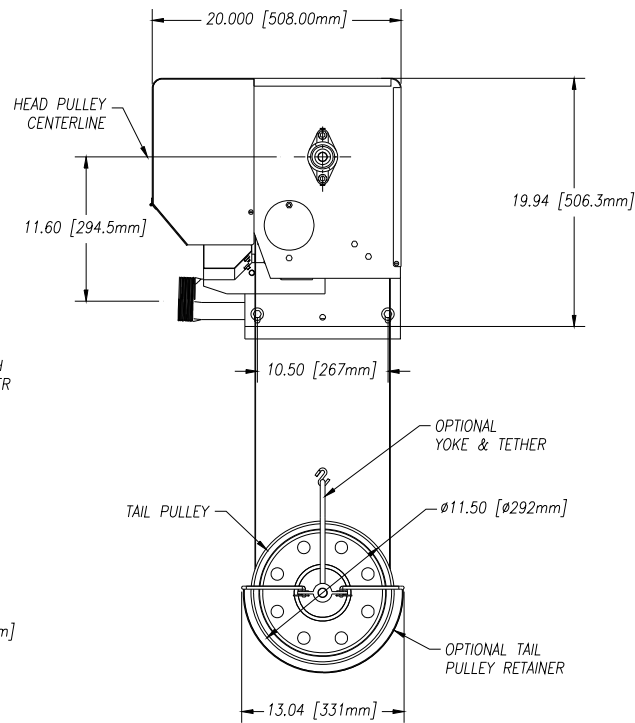
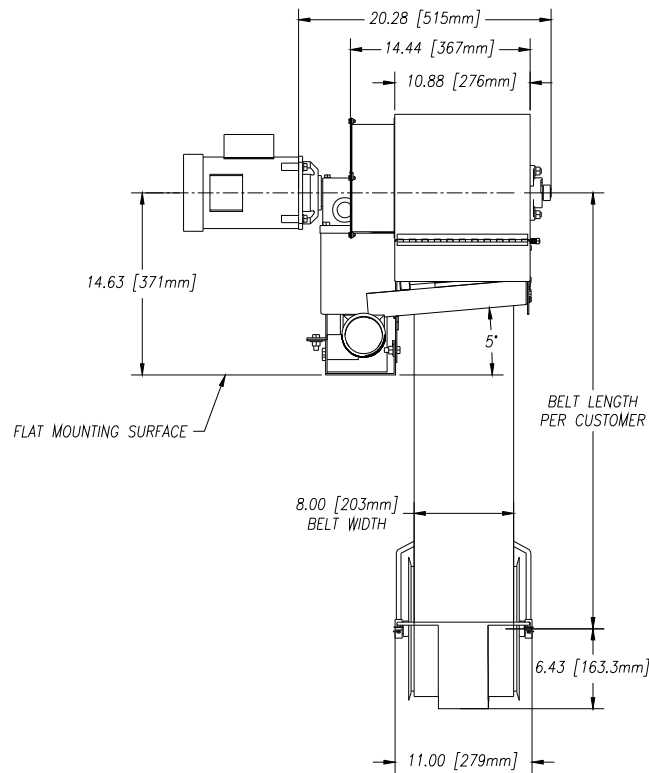
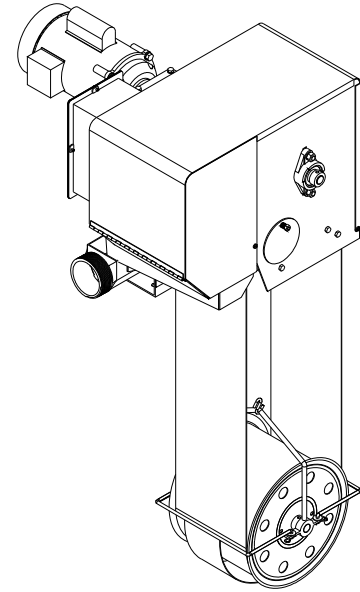
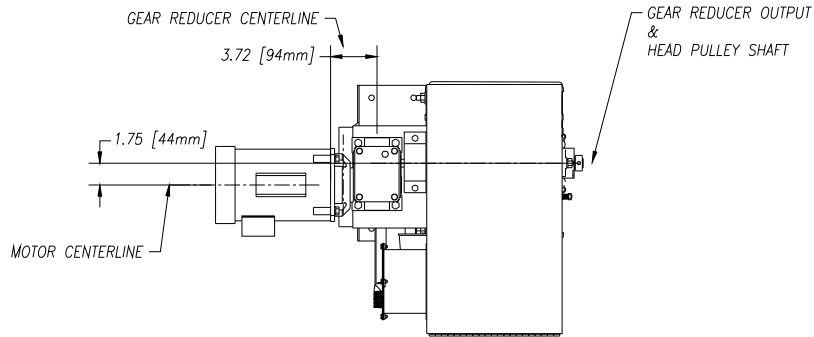
ABANAKI CORPORATION
Cuyahoga Falls, Ohio 44023 (440) 543-7400
MODEL 8² OIL SKIMMER
FLAT MOUNT
OVERALL DRAWING

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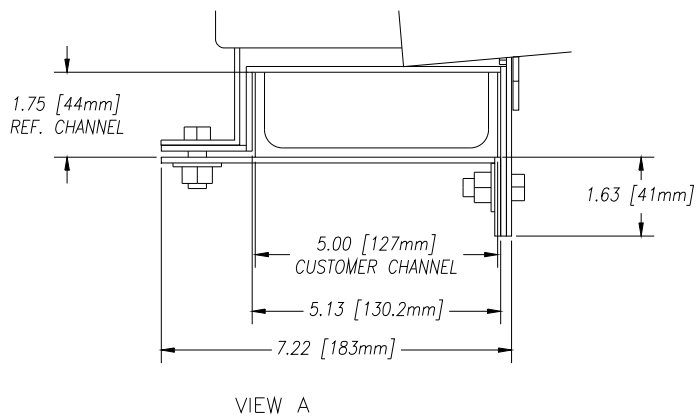
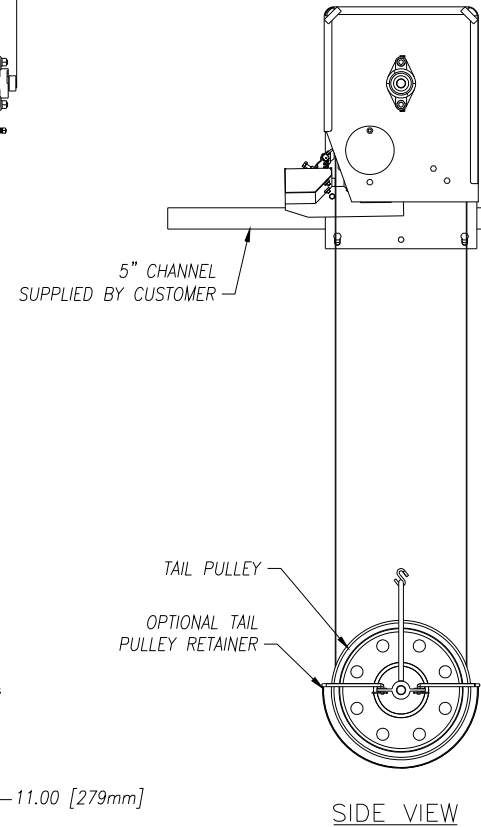
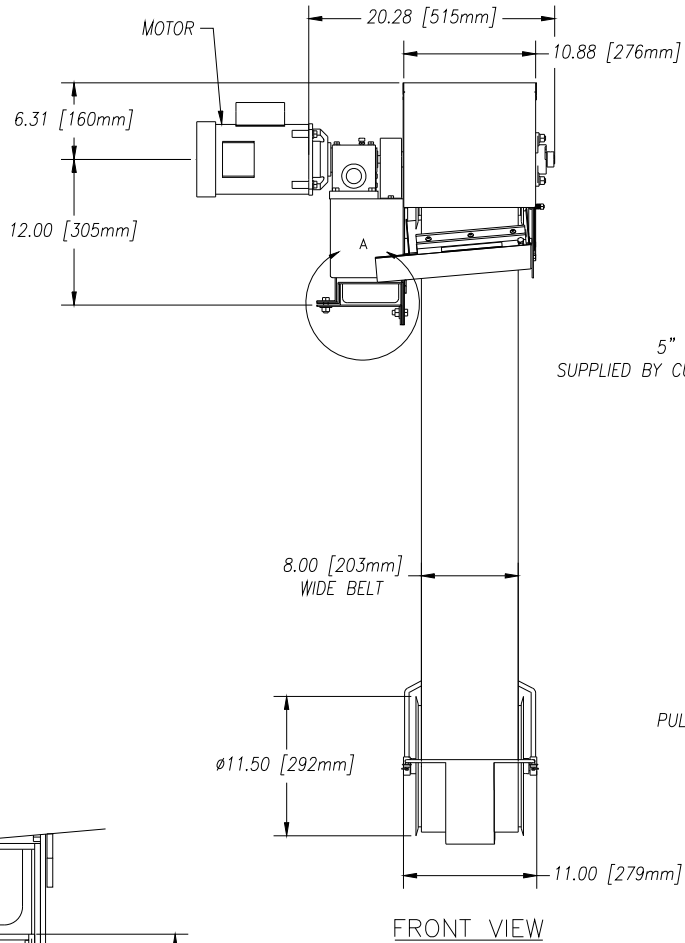
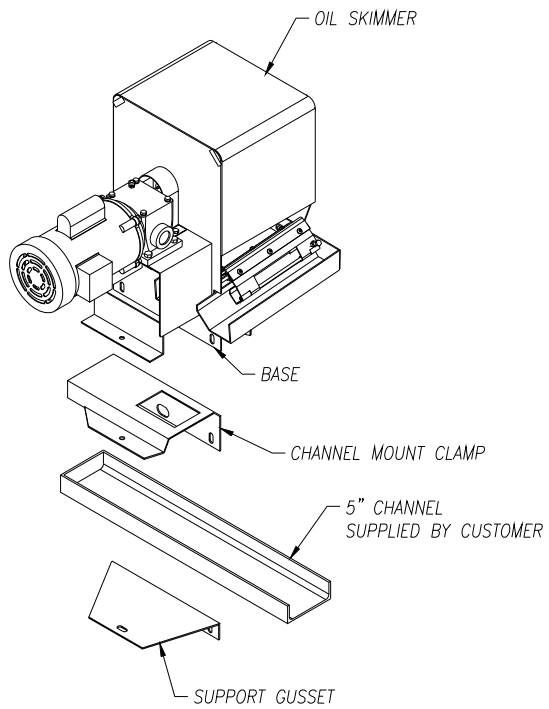
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REPLACES:	DATE: 10/12/99	SHEET 1 of 1	



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DO NOT SCALE DRAWING	DATE: 11/10/99	SIZE: D	SCALE: -
<small>THIS PRINT IS THE PROPERTY OF ABANAKI CORPORATION. IT MAY NOT BE REPRODUCED IN ANY MANNER OR SUBMITTED TO ANY OUTSIDE PARTIES FOR EXAMINATION WITHOUT OUR EXPRESSED WRITTEN CONSENT. IT SHALL BE USED ONLY AS A MEANS OF REFERENCE TO WORK DESIGNED OR FURNISHED BY U.S. PATENTS PENDING.</small>	DRAWN BY: <i>Ken Faqan</i> PRINT ISSUED ON: 11/10/99	DWG NO.: ASSY8_L1 SHEET 1 of 1	REV: 0

REV	DESCRIPTION	DATE	APPROVED



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ANGULAR ± 0.5°

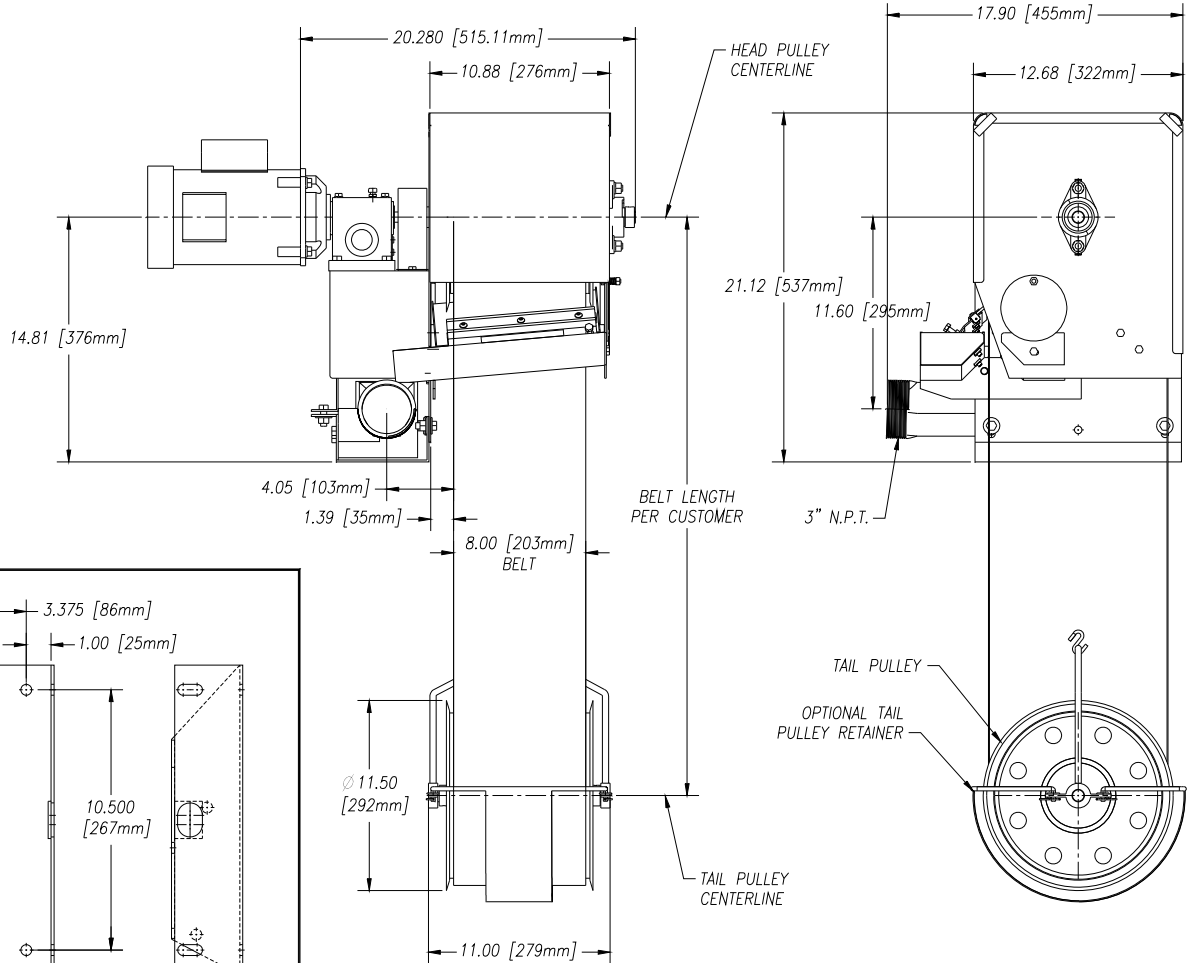
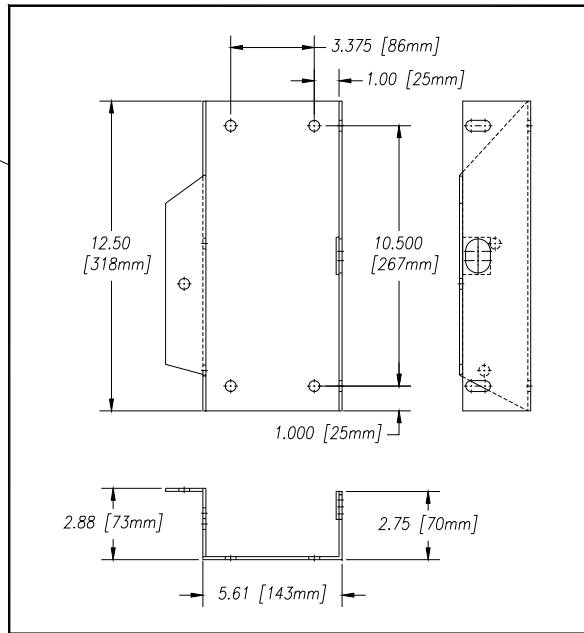
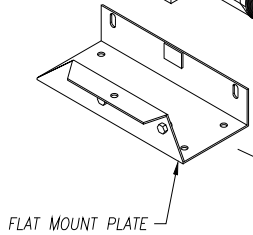
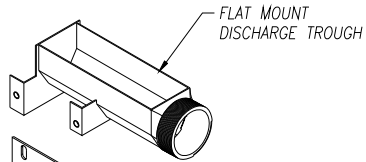
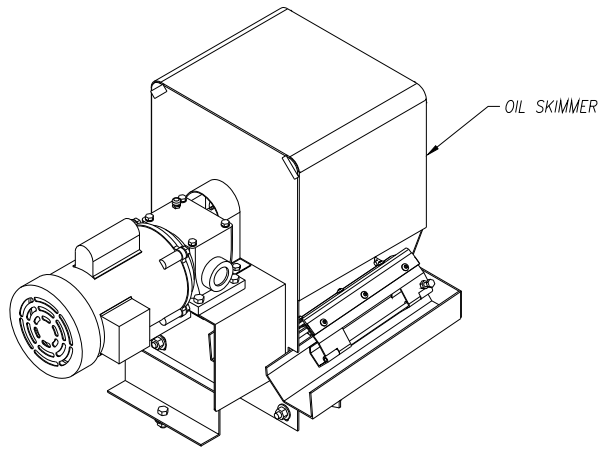
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DRAWN BY: *Ken Fagan*
PRINT ISSUED ON: 10/14/99

ABANAKI CORPORATION
Chicago, Falls, Ohio 44021 (440) 545-7400

**MODEL 8² OIL SKIMMER
CHANNEL MOUNT
OVERALL DRAWING**

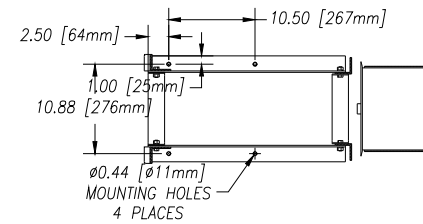
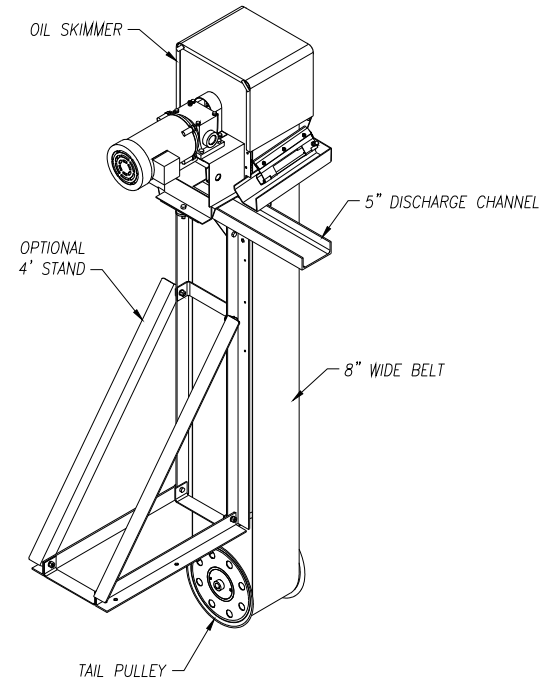
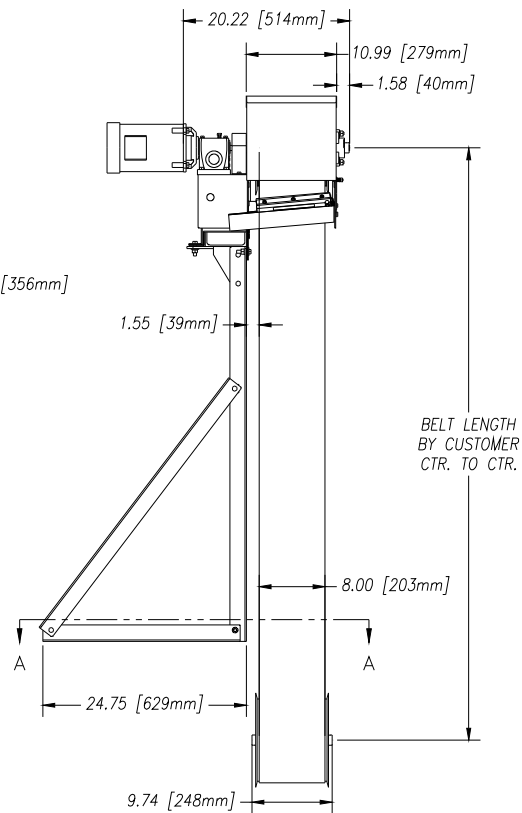
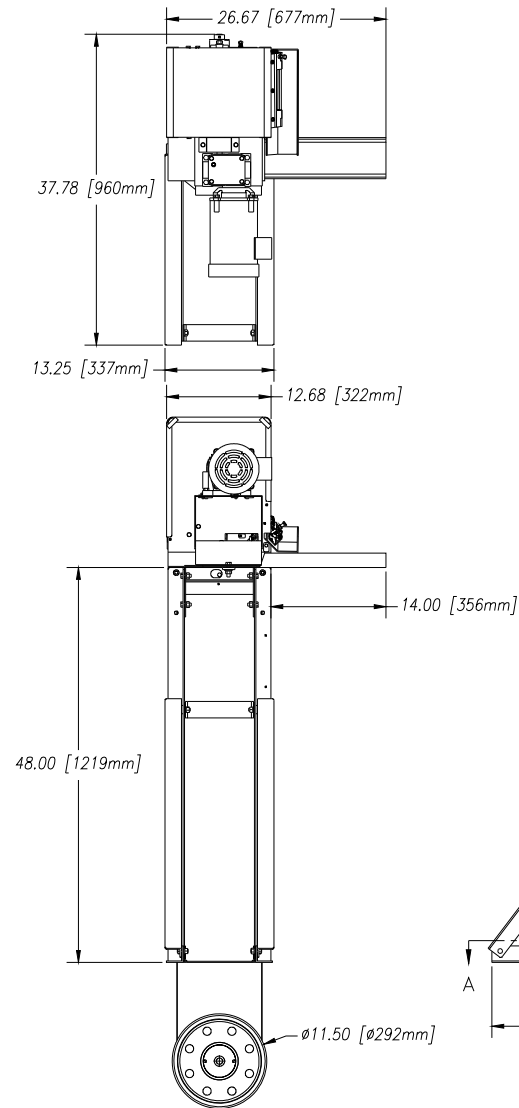
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DATE: 10/14/99 SHEET 1 of 1



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TOLERANCES:		MODEL 8" OIL SKIMMER	
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.XXX ± .010			
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REPLACES:		REV	0
DATE: 10/14/99		SHEET 1 of 1	

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SECTION A-A

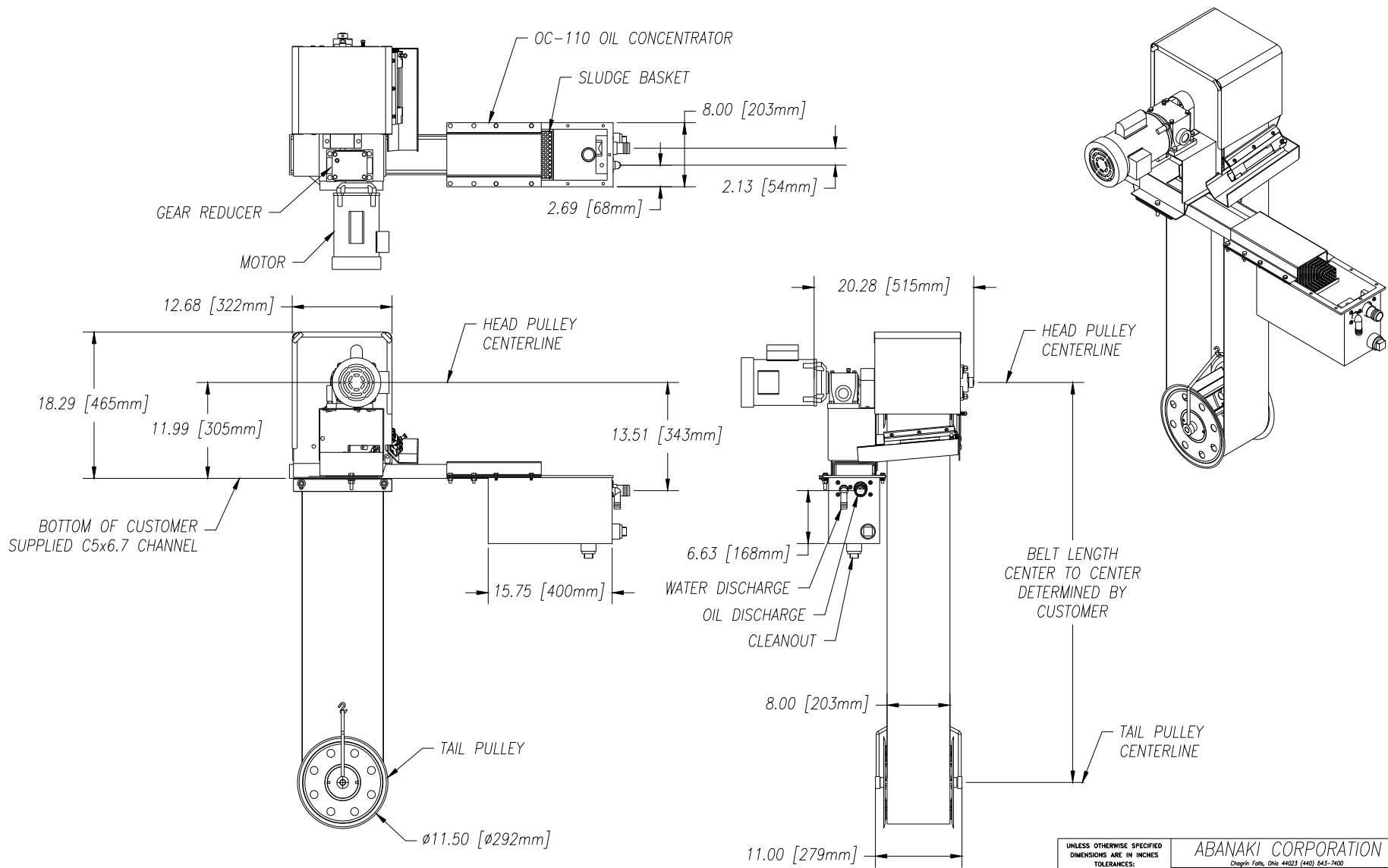
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DECIMALS .XX ± .05 ANGLULAR ± 0.5°
.XXX ± .010

ABANAKI CORPORATION
Croydon, Pa. (Ph: 44325 (440) 543-7400)
MODEL 8² OIL SKIMMER
CHANNEL MOUNT W/STAND
LAYOUT DRAWING

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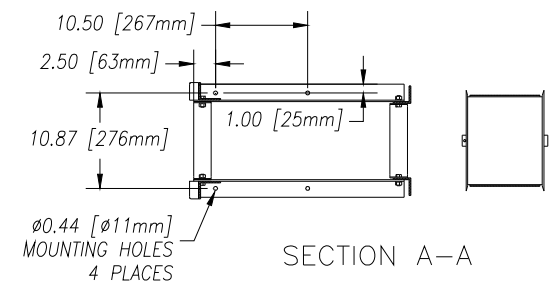
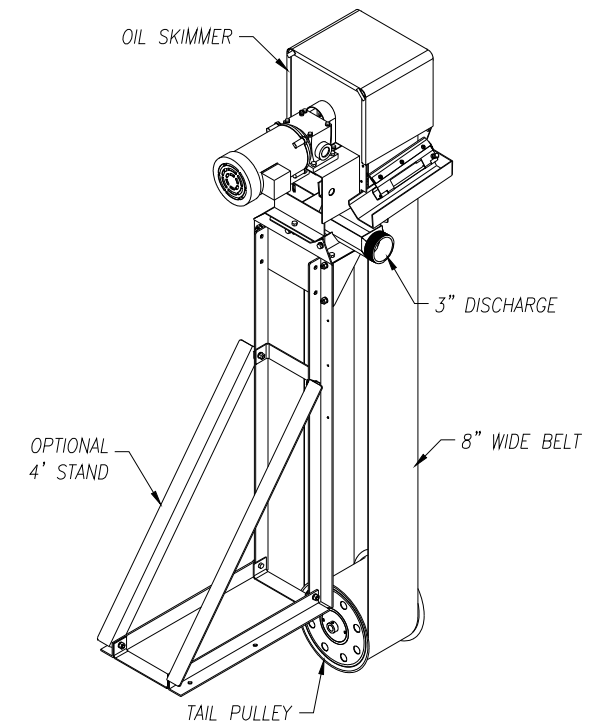
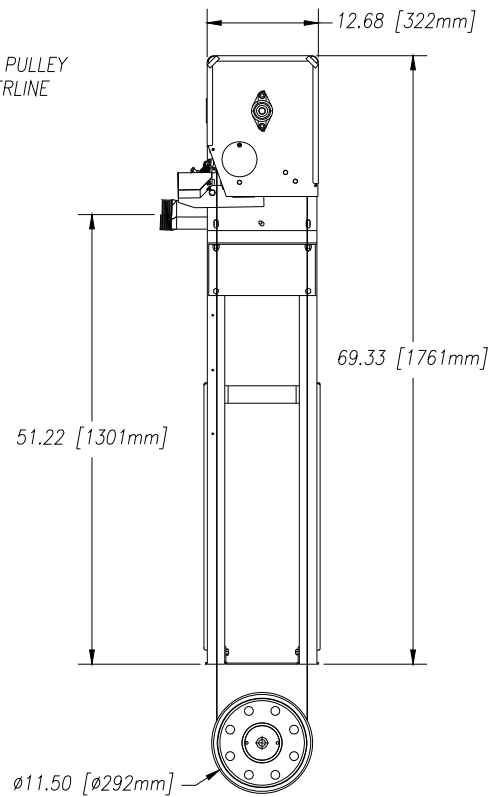
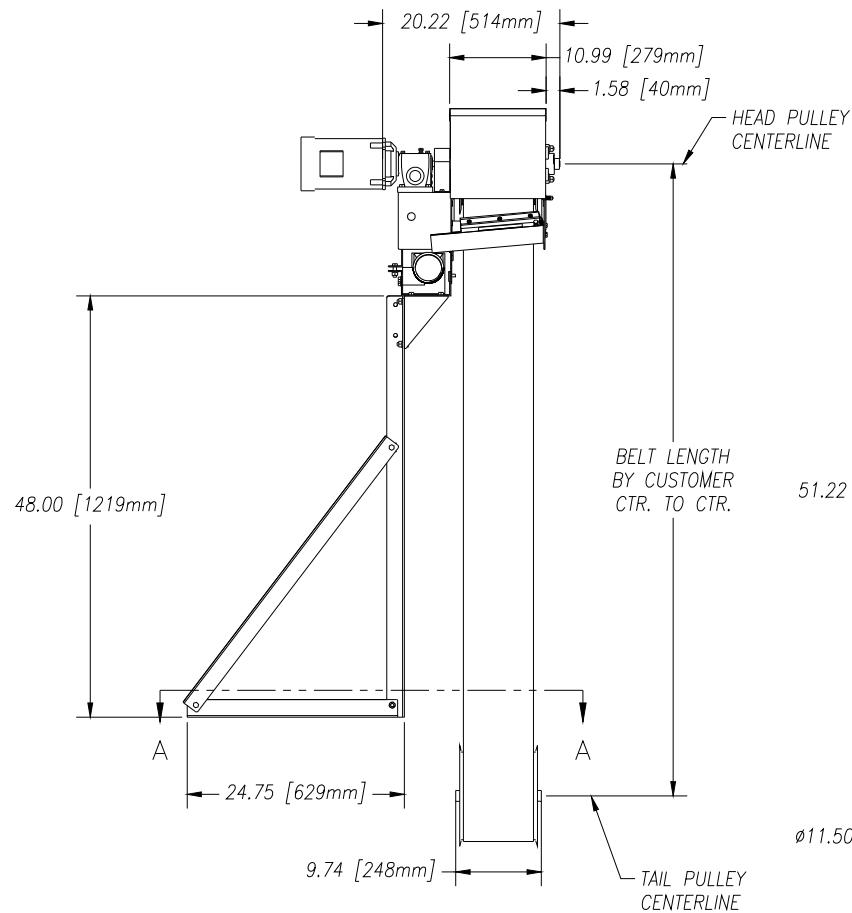
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES:	
DECIMALS	ANGULAR		
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.XXX ± .010			
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PRINT ISSUED ON: 04/16/01		DWG NO.	ASSY6-5A_L4
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ABANAKI CORPORATION
 Chapin Falls, Ohio 44023 (440) 843-7400
 MODEL 8² OIL SKIMMER
 W/OC-110 INDOOR OIL CONCENTRATOR
 OVERALL DRAWING



UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES:
 DECIMALS .XX ± .05
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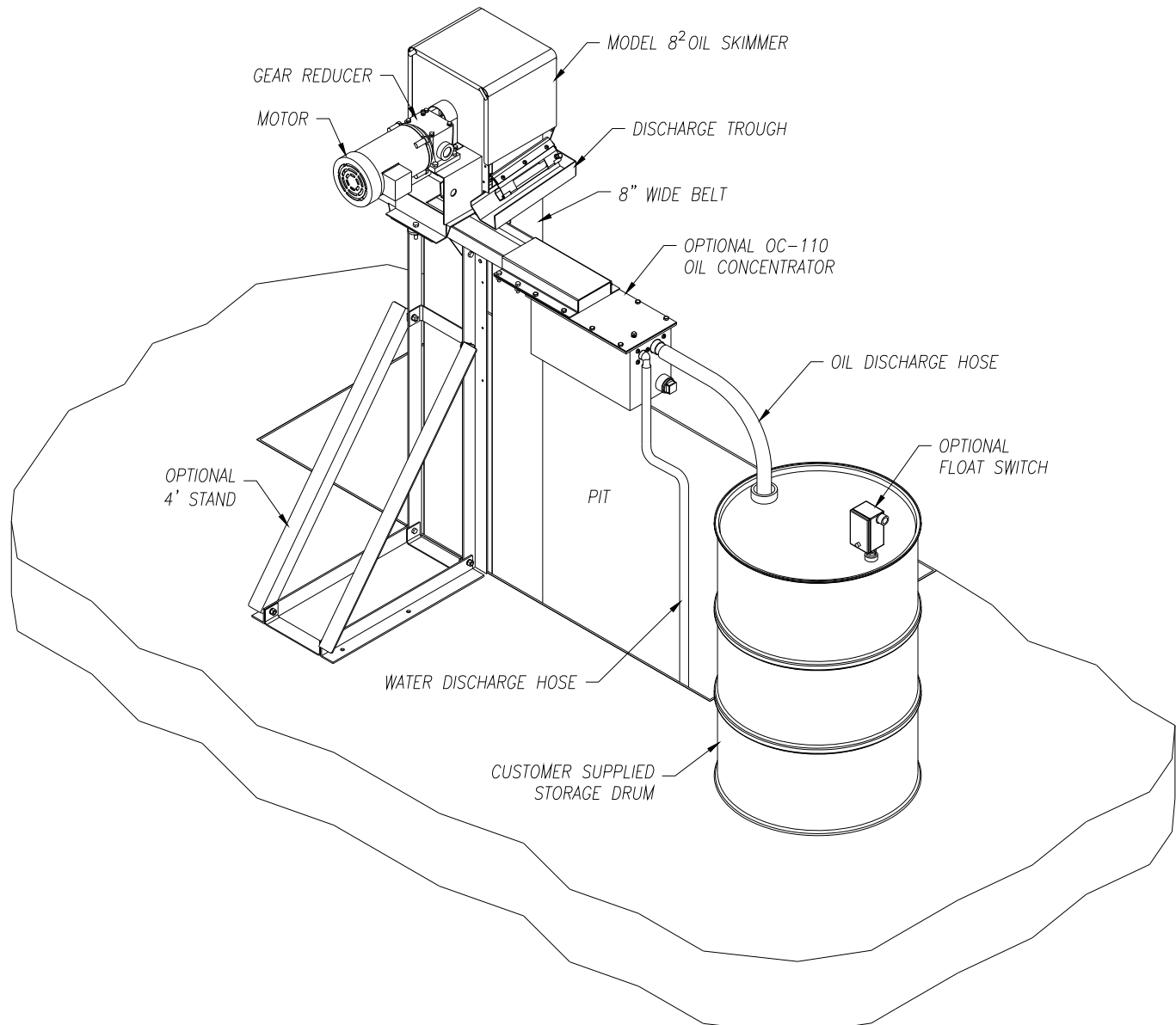
ABANAKI CORPORATION
 Chagrin Falls, Ohio 44023 (440) 543-7400
MODEL 8² OIL SKIMMER
 FLAT MOUNT W/STAND
 LAYOUT DRAWING

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 PRINT ISSUED ON: 01/24/07

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 SHEET 1 of 1



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DIMENSIONS ARE IN INCHES

TOLERANCES:
DECIMALS .XX ± .05
.XXX ± .010

ANGULAR ± 0.5°

ABANAKI CORPORATION
Chapin Falls, Ohio 44023 (440) 543-7400

MODEL 8² OIL SKIMMER W/OC-110
OUTDOOR OIL CONCENTRATOR
OVERALL DRAWING

DO NOT SCALE DRAWING

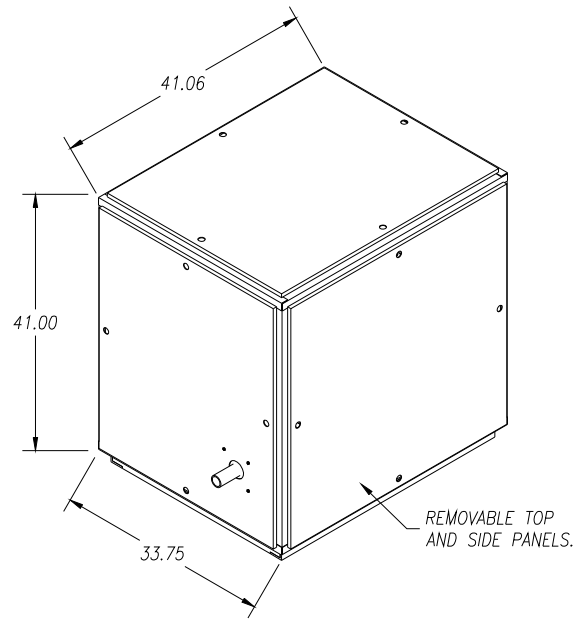
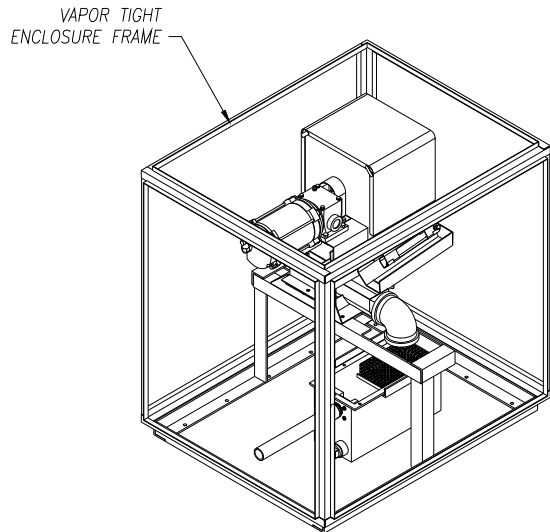
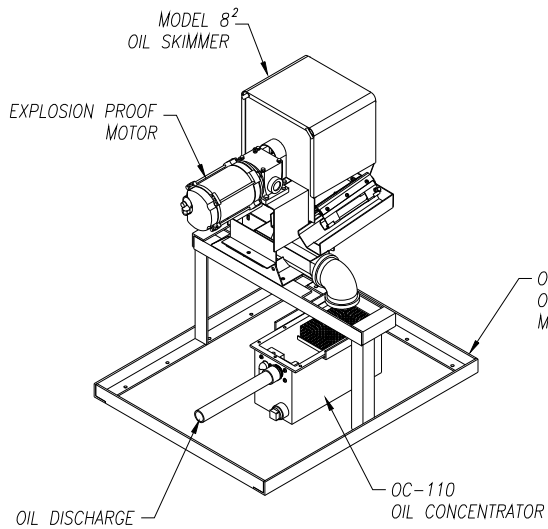
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SHEET 1 of 1

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DIMENSIONS ARE IN INCHES

TOLERANCES:
DECIMALS .XX ± .05
.XXX ± .010

ANGULAR ± 0.5°

DO NOT SCALE DRAWING

ABANAKI CORPORATION
Chicago Falls, Ohio 44023 (440) 543-2400

MODEL 8²W/OC-110 DECANTER
VAPOR TIGHT ENCLOSURE
OVERALL DRAWING

DRAWN BY: Ken Fagan
PRINT ISSUED ON: 12/18/01

SIZE: D
SCALE: -

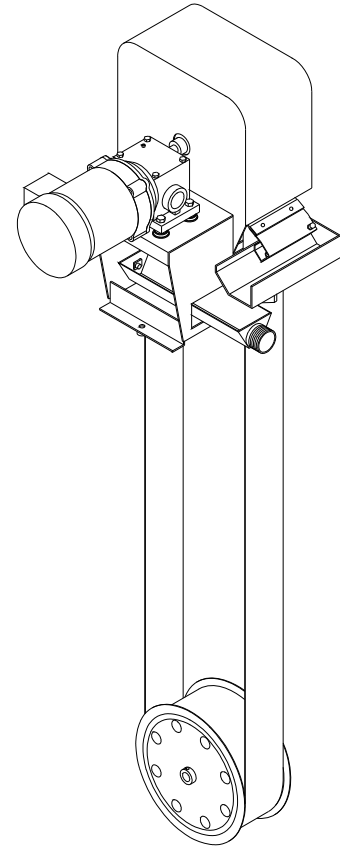
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REV: 0

REPLACES: DATE: 12/18/01 SHEET 1 of 1

Oil Grabber[®] Model 4

Quick Summary:

Essentially the same as the Model 8², the Model 4 and its patented technology will fit into a smaller sump opening with its' 4" belt. Mounting and discharge using a 4" or 5" channel is standard. Other options include: a 4' mounting stand with 5" channel combination, or a flat mount arrangement with discharge through a 1-1/2" M.P.T. The Model 4 can accept any standard 56 C-Face motor or metric D63C frame size motor with optional gear reducer.



Highlights:

1. A 4" continuous belt of corrosion resistant steel or elastomer up to 100 ft in length.
2. Oil discharge is through 1-1/2" M.P.T. outlet
3. A removable steel mesh guard for visual inspection of drive pulley.
4. Belt removal requires no tools.
5. TEFC motor std. 1PH or 3PH
6. Removes up to 20 gallons of medium weight per hour.
7. Adjustable wiper blade assembly.

Quick Chart:

STANDARD MOTOR

OPTIONAL MOTOR

CAP. GAL.	MODEL	BELT WIDTH	BELT LENGTH	RPM AMPS	VOLTS Hz	PHASE	RPM AMPS	VOLTS Hz
20	4	4"	Up to 100 ft.	1725 RPM 5/2.6/2.5	115/208-230 60Hz	1 PH TEFC	1425 RPM 7.2/3.6	110/220 50Hz
20	4	4"	Up to 100 ft.	1725 RPM 1.4/1.3/.65	208-230/460 60Hz	3 PH TEFC	1425 RPM 2/1.2/1	220/380/440 50Hz

Note:

Additional motors, including explosion proof, are available per customer specification. See motor spec sheet for complete listing of motors. Always consult the factory for special applications.

SKIMMER SPECIFICATION SHEET

PART 1: GENERAL

1.01 Construction

1. Solid welded carbon steel with a baked on powder coat finish.
 - A. Color: RAL5005 or equivalent (Dark Blue).
2. Stainless Steel.

1.02 Pulley Types

1. Drive Pulley (Head Pulley)
 - A. Magnetic drive pulley for metal belt. Two magnet assemblies per cross bar with 8 cross bars per head.
2. Tail Pulley
 - A. Solid drum type, free floating in belt. With collars for shaft when yoke & chain are required.
 - B. High Capacity.

1.03 Motor: (one of two motors standard)

- 1/4 H.P. 1 PH 60Hz TEFC
1725 RPM 56 C-Face
115/208-230 Volt
5 / 2.6 / 2.5 Amps
or
1/4 H.P. 3 PH 60Hz TEFC
1725 RPM 56 C-Face
208-230/460 Volt
1.4 / 1.3 / .65 Amp

1.04 Gear Reducer

1. Standard C-Face
 - A. 150:1 double reduction
 - B. Oil filled
 - C. Bronze gears/ball bearings

See separate specification sheet for additional details

1.05 Guard

1. Standard enclosed steel housing with a flat steel mesh screen door for access for drive pulley area.

1.06 Belt Material and Length

1. Standard Corrosion Resistant Steel Belt.
2. Length as required up to 100'.

1.07 Wiper Blades

1. Standard Material: Nitrile.
 - A. Front Wiper Assembly - Spring tensioned with single wiper insert.
 - B. Rear Wiper Assembly - Stationary wiper holder, single wiper insert.

1.08 Oil Discharge Outlet

1. Standard Channel Mount
 - A. Dual troughs discharging into a single 5" channel to oil collection tank.
2. Flat Surface Mount *Optional*
 - A. Dual troughs discharging through a 1-1/2" M.P.T.

1.09 Mounting Arrangements

1. Standard Skimmer Configuration
 - A. 5 x 6.7 (5" channel) x 20" long minimum; also doubles as discharge outlet.
2. Optional Skimmer Configurations
 - A. Flat Surface Mount with 1-1/2" M.P.T. for piped discharge.
 - B. 4 x 7.25 (4" channel) same as 1.09.1, use of 5 x 6.7 preferred.

1.10 Weights and Size

1. 62 lbs. skimmer + 20 lbs. motor = 82 lbs/unit
2. Overall size of unit: 24-1/2"L x 18-1/4"W x 21-1/4"H

1.11 Mounting Requirements

1. Minimum Opening for Tail Pulley with Yoke and Retainer: 16" Dia.
2. Minimum Opening for Tail Pulley with Yoke: 13" Dia.
3. Minimum Mounting Height: 21-1/4"
4. Minimum Mounting Height w/optional 4' stand: 69-1/2"

1.12 Power Requirements

1. Per customers motor spec.
2. Hard wired per motor and local/national code.

1.13 Optional Mounting Arrangements

1. 1x8 Mounting Stand will support a single 1x4 and a single OC-110 decanter. Stand is 48" high.

Oil Grabber[®] Model 4

Standard motors 60 Hz:

1/4 H.P. 1 PH 60 Hz TEFC
1725 RPM 56 C-Face
115/208-230 Volt
5 / 2.6 / 2.5 Amp

or

1/4 H.P. 3 PH 60Hz TEFC
1725 RPM 56 C-Face
208-230/460 Volt
1.4 / 1.3 / .65 Amp

1/3 H.P. 3 PH 60 Hz EXP.
1725 RPM 56 C-Face
208-230/460 Volt
1.8 / 1.6 / .8 Amp

1/2 H.P. 3 PH 50 Hz EXP.
1425 RPM 56 C-Face
220/380/440 Volt
2 / 1.2 / 1 Amp

1/2 H.P. 1 PH 50 Hz EXP.
1425 RPM 56 C-Face
110/220 Volt
7.2 / 3.6 Amp

Optional 50Hz motors:

1/2 H.P. 1 PH 50 Hz TEFC
1425 RPM 56 C-Face
110/220 Volt
7.2 / 3.6 Amp

or

1/2 H.P. 3 PH 50 Hz TEFC
1425 RPM 56 C-Face
220/380/440 Volts
2 / 1.2 / 1 Amp

Optional 575 Volt Motors

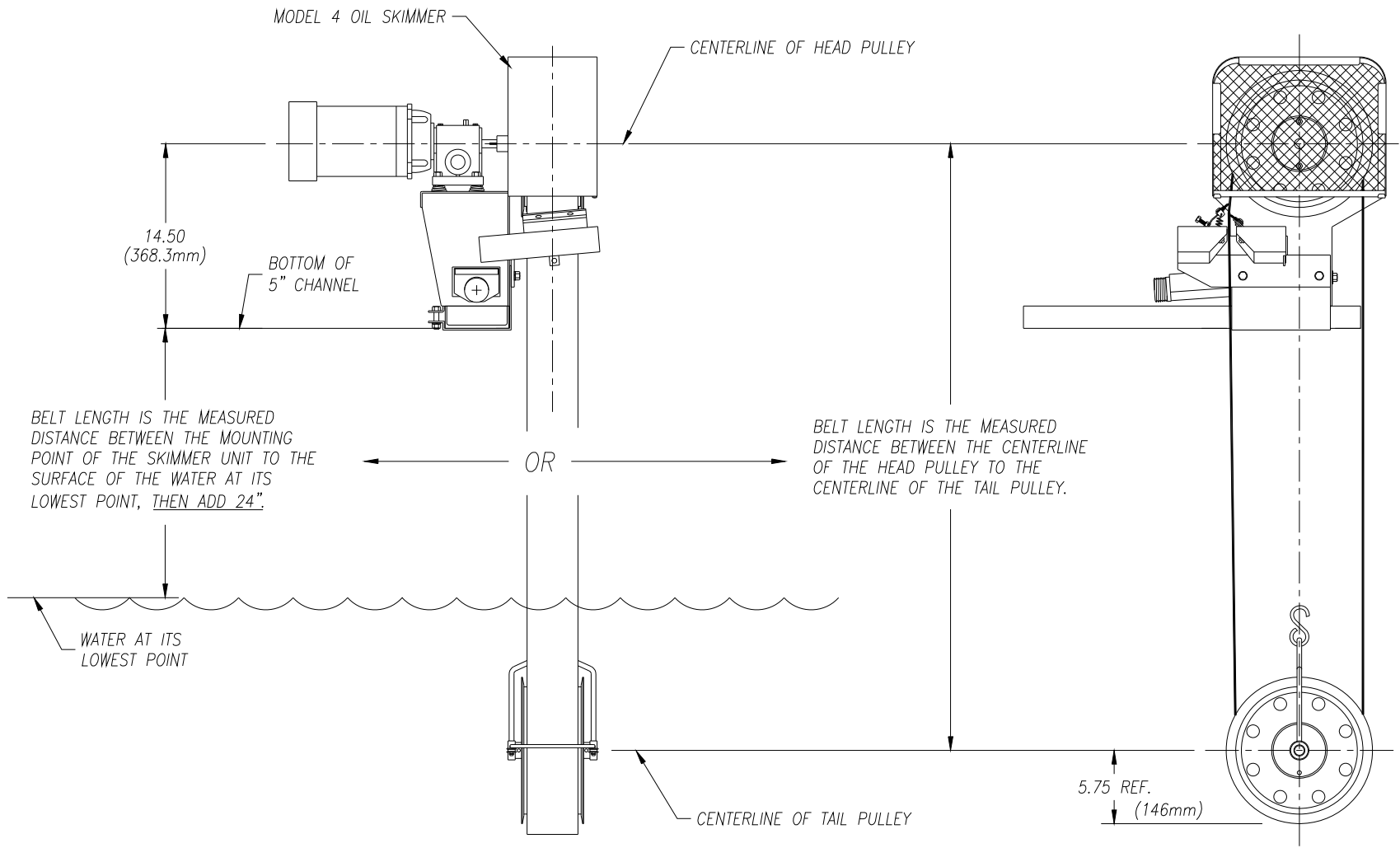
1/3 H.P. 3 PH 60 Hz TEFC
1725 RPM 56 C-Face
575 Volt
.64 Amp

1/2 H.P. 3 PH 60Hz EXP.
1725 RPM 56 C-Face
575 Volt
.9 Amp

Optional Explosion-Proof Motors 50 & 60 Hz:

1/3 H.P. 1 PH 60 Hz EXP.
1725 RPM 56 C-Face
115/208-230 Volt
6 / 3.2 / 3 Amp

1/2 H.P. 3PH 60Hz TEFC
1725 RPM 56 C-Face
575 Volt
.8 Amp



BELT LENGTH IS THE MEASURED DISTANCE BETWEEN THE MOUNTING POINT OF THE SKIMMER UNIT TO THE SURFACE OF THE WATER AT ITS LOWEST POINT, THEN ADD 24".

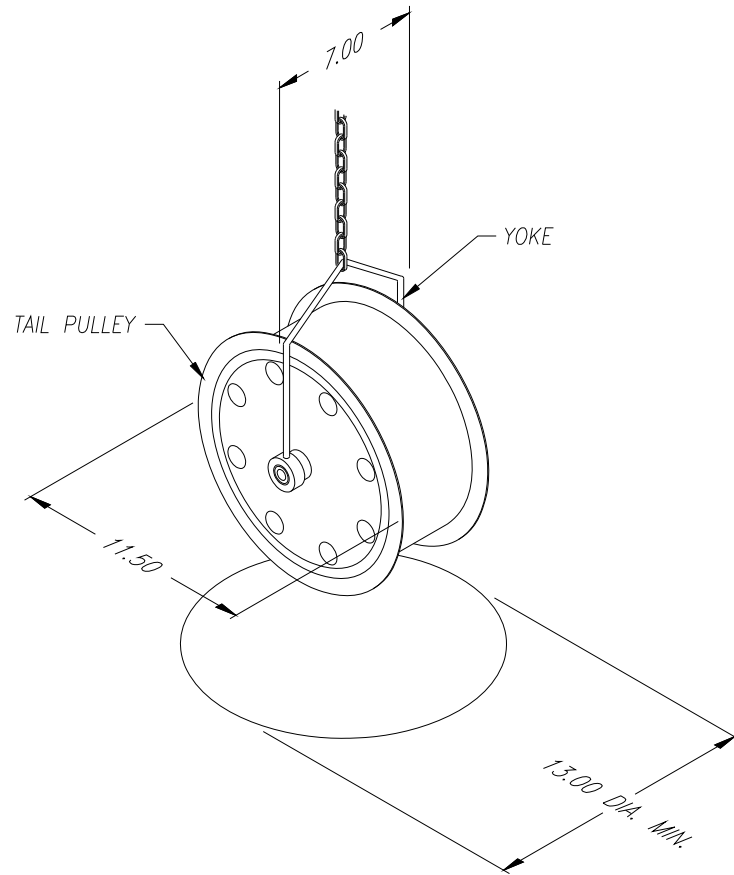
BELT LENGTH IS THE MEASURED DISTANCE BETWEEN THE CENTERLINE OF THE HEAD PULLEY TO THE CENTERLINE OF THE TAIL PULLEY.

OR

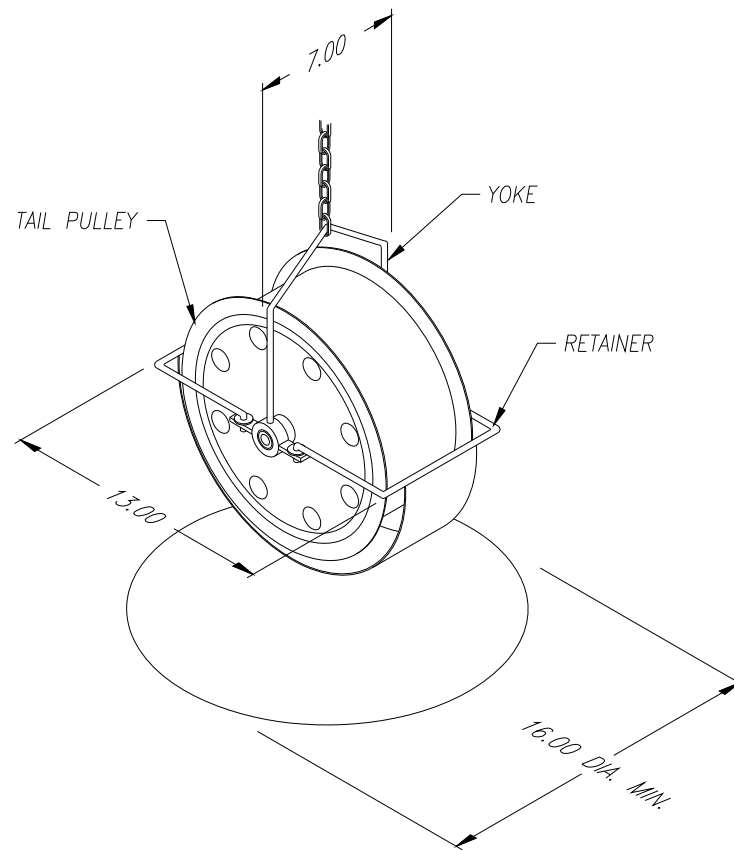
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ABANAKI CORPORATION Croydon Falls, Ohio 44023 (440) 543-7400	
TOLERANCES:		MODEL 4 OIL SKIMMER	
DECIMALS	ANGULAR	BELT LENGTH	
.XX ± .05	± 0.5°	LAYOUT DRAWING	
.XXX ± .010			
DO NOT SCALE DRAWING		SIZE	ENG. NO.
DRAWN BY: Ken Pagan		D	1-4BELTDIM
PRINT ISSUED ON: 12/11/98		REPLACES:	REV 0
		DATE: 12/11/98	SHEET 1 of 1

REV	DESCRIPTION	DATE	APPROVED

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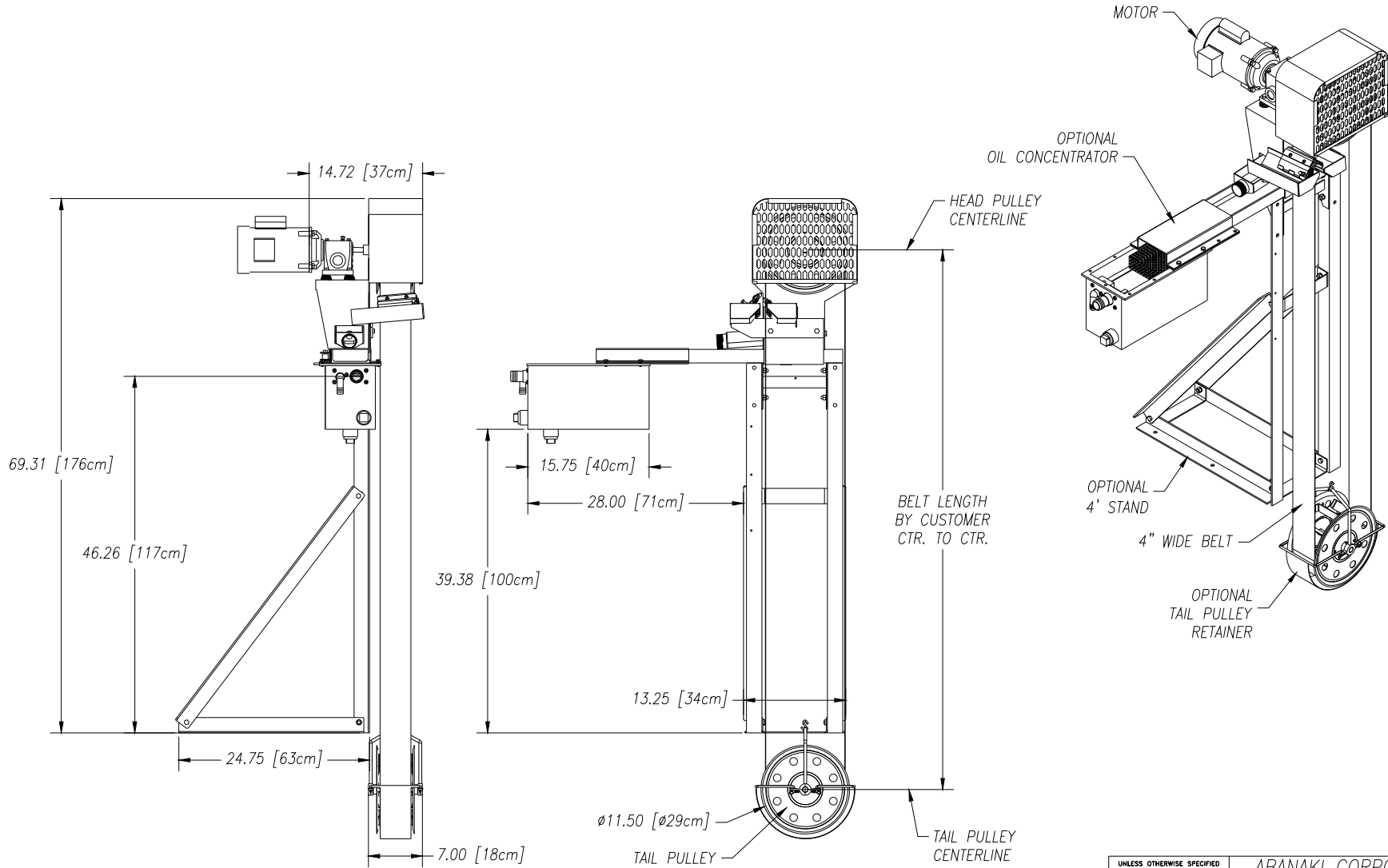


MINIMUM REQ'D OPENING FOR
TAIL PULLEY ONLY
OR
TAIL PULLEY WITH YOKE



MINIMUM REQ'D OPENING FOR
TAIL PULLEY YOKE & RETAINER

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ABANAKI CORPORATION Chagrin Falls, Ohio 44023 (440) 543-7400	
TOLERANCES:		MODEL 4 TAIL PULLEY REQ'D OPENING OVERALL DIMENSIONAL DRAWING	
DECIMALS	ANGULAR	SIZE	REV
.XX ± .05	± 0.5°	D	0
.XXX ± .010		SCALE	—
DO NOT SCALE DRAWING		DRG. NO.	020C-000-001
REV	DESCRIPTION	DATE	APPROVED
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		PRINT ISSUED ON: 12/09/98	REPLACES: —
		DATE: 12/09/98	SHEET 1 of 1



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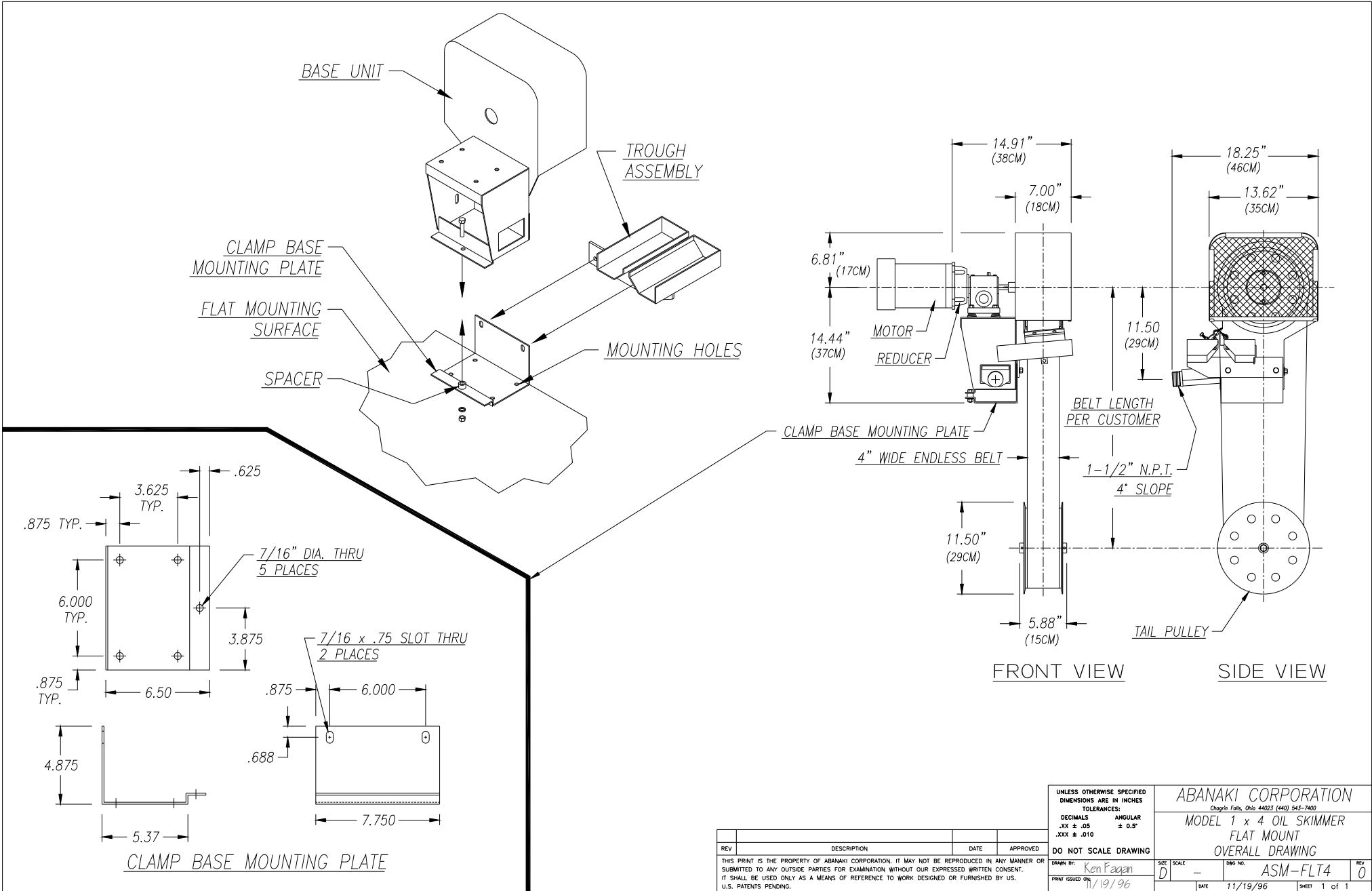
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DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS ANGULAR
.XX ± .05 ± 0.5°
.XXX ± .010

DO NOT SCALE DRAWING

DRAWN BY: Ken Fagan
DATE: 01/29/07

ABANAKI CORPORATION <small>Chagrin Falls, OH 44023 (440) 543-7400</small>	
MODEL 4 OIL SKIMMER W/STAND & OC-110 OVERALL DRAWING	
SIZE: D SCALE: - SHEET: 1 of 1	DWG NO.: M4-ASSY09 REV: 0 DATE: 01/29/07

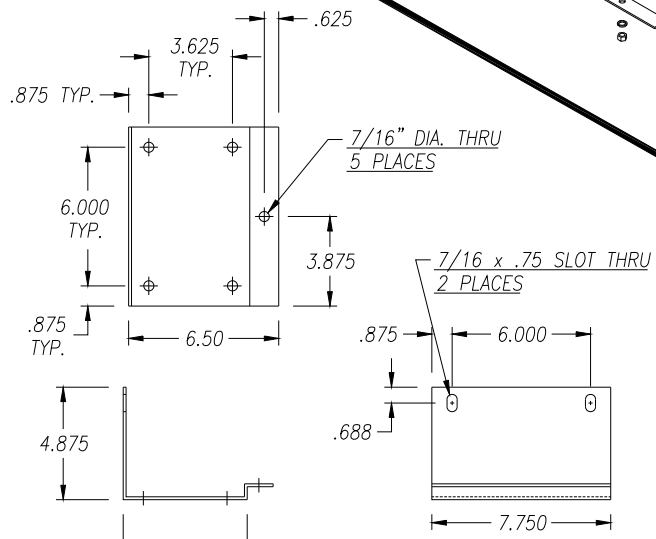
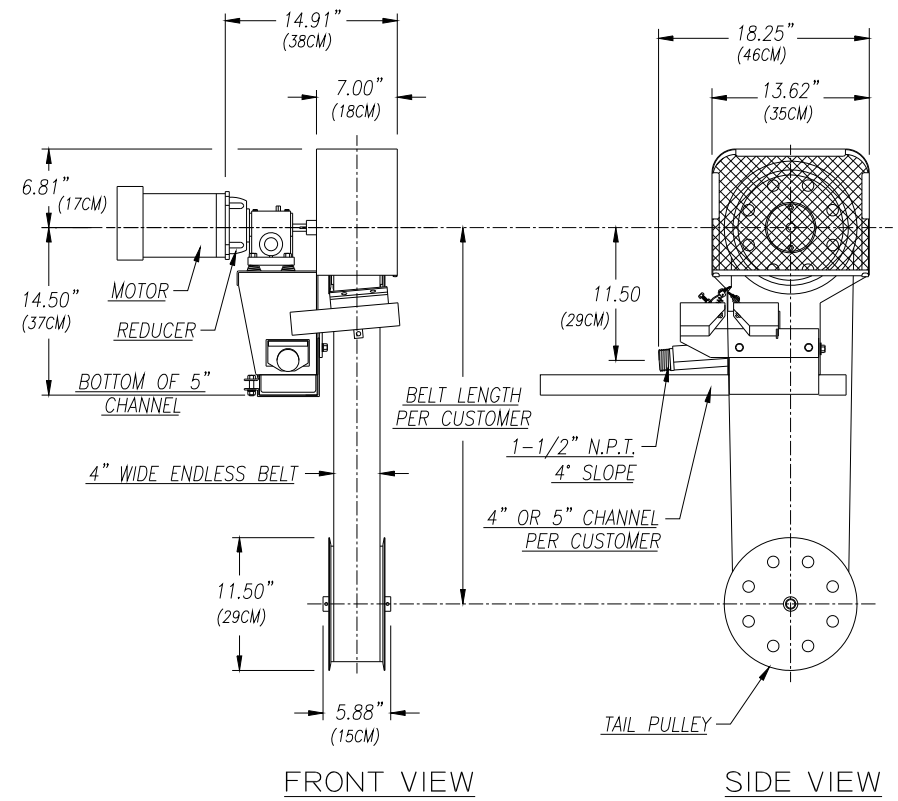
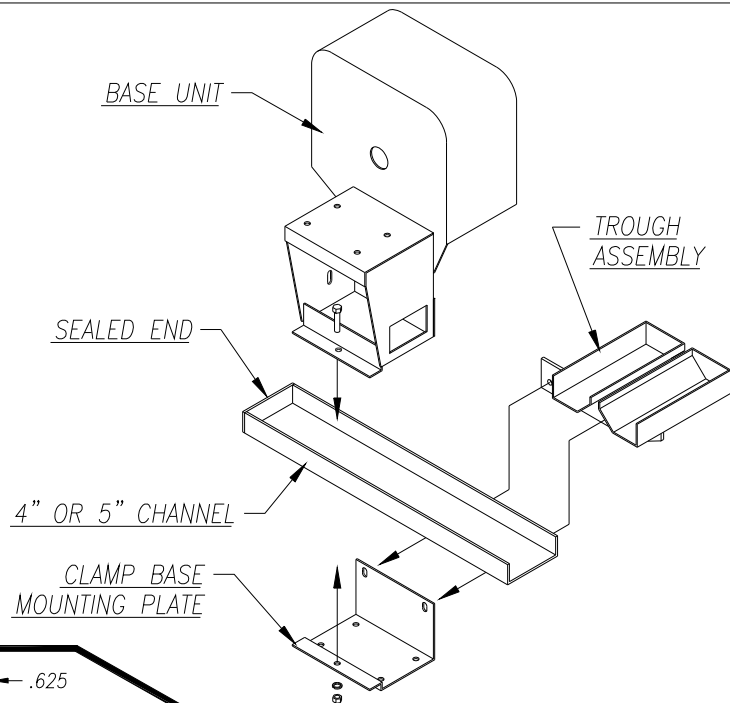


CLAMP BASE MOUNTING PLATE

FRONT VIEW

SIDE VIEW

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ABANAKI CORPORATION Chagrin Falls, Ohio 44023 (440) 543-7400	
TOLERANCES:		MODEL 1 x 4 OIL SKIMMER FLAT MOUNT OVERALL DRAWING	
DECIMALS	ANGULAR	DRAWING NO. ASM-FLT4	
.XX ± .05	± 0.5°	SCALE	REV 0
.XXX ± .010		DATE	11/19/96
DO NOT SCALE DRAWING		SHEET 1 of 1	
DRAWN BY: Ken Faagan		DATE: 11/19/96	
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CLAMP BASE MOUNTING PLATE

REV	DESCRIPTION	DATE	APPROVED

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ABANAKI CORPORATION <small>Chopin Falls, Ohio 44023 (440) 543-7400</small>	
TOLERANCES:		MODEL 1 x 4 OIL SKIMMER	
DECIMALS	ANGULAR	CHANNEL MOUNT	
.XX ± .05	± 0.5°	OVERALL DRAWING	
.XXX ± .010			
DO NOT SCALE DRAWING		DRWN BY: <i>Ken Faagan</i>	REV: 0
		DATE: 11/19/96	

Oil Grabber[®] Model MB - Multi Belts

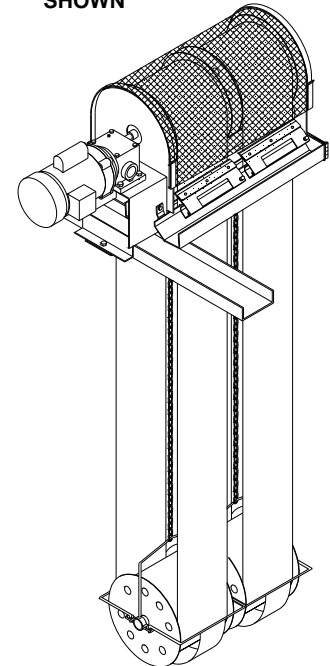
Quick Summary:

A heavy duty oil skimmer to solve serious oil contamination problems. Special options available with the Model MB include: all stainless steel construction, infrared heater hood for non-explosive freezing applications and a complete system control box. Applications include: truck washes, heat treating plants, oil refineries and power plants.

Highlights:

1. An 8" continuous belt of corrosion resistant steel or elastomer up to 100 feet center to center.
2. Removable steel mesh guard for visual inspection of drive pulley.
3. TEFC motor.
4. Removes up to 40 gallons of medium weight oil per hour per 8" belt.

MB2X8
SHOWN



Quick Chart:

STANDARD MOTOR

OPTIONAL MOTOR

CAP. GAL.	MODEL	BELT WIDTH AREA	BELT LENGTH	RPM AMPS	VOLTS Hz	PHASE	RPM AMPS	VOLTS Hz
80	2 x 8	2 x 8"	Up to 100 ft.	1725 RPM 5/2.6/2.5	115/208-230 60Hz	1 PH TEFC	1425 RPM 7.2/3.6	110/220 50Hz
80	2 x 8	2 x 8"	Up to 100 ft.	1725 RPM 1.4/1.3/.65	208-230/460 60Hz	3 PH TEFC	1425 RPM 2/1.2/1	220/380/440 50Hz
120	3 x 8	3 x 8"	Up to 100 ft.	1725 RPM 5/2.6/2.5	115/208-230 60Hz	1 PH TEFC	1425 RPM 7.2/3.6	110/220 50Hz
120	3 x 8	3 x 8"	Up to 100 ft.	1725 RPM 1.4/1.3/.65	208-230/460 60Hz	3 PH TEFC	1425 RPM 2/1.2/1	220/380/440 50Hz
200	5 x 8	5 x 8"	Up to 100 ft.	1725 RPM 5/2.6/2.5	115/208-230 60Hz	1 PH TEFC	1425 RPM 7.2/3.6	110/220 50Hz
200	5 x 8	5 x 8"	Up to 100 ft.	1725 RPM 1.4/1.3/.65	208-230/460 60Hz	3 PH TEFC	1425 RPM 2/1.2/1	220/380/440 50Hz

Note:

Additional motors, including explosion proof, are available per customer specification. See motor spec sheet for complete listing of motors. Always consult the factory for special applications.

SKIMMER SPECIFICATION SHEET

PART 1: GENERAL

1.01 Construction

1. Solid welded carbon steel with a baked on powder coat finish.
 - A. Color: RAL5005 or equivalent (Dark Blue).
2. Stainless Steel.

1.02 Pulley Types

1. Drive Pulley (Head Pulley)
 - A. Magnetic drive pulley for metal belt. Two magnet assemblies per cross bar with 8 cross bars per head.
2. Tail Pulley
 - A. Solid drum type, free floating in belt.
 - B. Collars for shaft when used with yoke, chain & retainer.
 - C. High Capacity.

1.03 Motor: (one of two motors standard)

- 1/4 H.P. 1 PH 60Hz TEFC
1725 RPM 56 C-Face
115/208-230 Volt
5/2.6/2.5 Amps
or
1/4 H.P. 3 PH 60Hz TEFC
1725 RPM 56 C-Face
208-230/460 Volt
1.4 1.3 .65 Amp

1.04 Gear Reducer

1. Standard C-Face
 - A. 150:1 double reduction
 - B. Oil filled
 - C. Bronze gears/ball bearings

1.05 Guard

1. Standard flat steel mesh screen over drive pulley area.

1.06 Belt Material and Length

1. Standard Corrosion Resistant Steel Belt.
2. Length as required up to 100'.

1.07 Wiper Blades

1. Standard Material: Nitrile.
 - A. Front Wiper Assembly - Spring tensioned with single wiper insert.
 - B. Rear Wiper Assembly - Stationary wiper holder, single wiper insert.

1.08 Oil Discharge Outlet

1. Standard Channel Mount
 - A. Dual troughs discharging into a single 5" channel to oil collection tank.

1.09 Mounting Arrangements

1. Standard Skimmer Configuration
 - A. 5 x 6.7 (5" channel) x 20" long minimum; also doubles as discharge outlet.

1.10 Weights and Size

1. 74 lbs. skimmer + 20 lbs. motor = 94 lbs/unit
2. Overall size of unit: 38"L x 16-1/2"W x 21-1/4"H
3. Tail Pulley: 10 lbs. each

1.11 Mounting Requirements

1. Sump Opening size for Tail Pulleys with Yokes: 12" x 24"
2. Sump Opening size for Tail Pulleys with Yokes and Retainers: 14" x 24"
3. Minimum Mounting Height: 20"
4. Minimum Mounting Height w/optional stand: 66-3/8"

1.12 Power Requirements

1. Hard wired per motor and local/national code.

1.13 Optional Mounting Arrangements

1. 2x8 Mounting Stand will support up to a single 3x8 skimmer and up to a single OC-200 decanter with pivot mount.

SKIMMER SPECIFICATION SHEET

PART 1: GENERAL

1.01 Construction

1. Solid welded carbon steel with a baked on powder coat finish.
 - A. Color: RAL5005 or equivalent (Dark Blue).
2. Stainless Steel.

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1. Drive Pulley (Head Pulley)
 - A. Magnetic drive pulley for metal belt. Two magnet assemblies per cross bar with 8 cross bars per head.
2. Tail Pulley
 - A. Solid drum type, free floating in belt.
 - B. Collars for shaft when used with yoke, chain & retainer.
 - C. High Capacity.

1.03 Motor: (one of two motors standard)

- 1/4 H.P. 1 PH 60Hz TEFC
1725 RPM 56 C-Face
115/208-230 Volt
5 / 2.6 / 2.5 Amps
or
1/4 H.P. 3 PH 60Hz TEFC
1725 RPM 56 C-Face
208-230/460 Volt
1.4 / 1.3 / .65 Amp

1.04 Gear Reducer

1. Standard C-Face
 - A. 150:1 double reduction
 - B. Oil filled
 - C. Bronze gears/ball bearings

1.05 Guard

1. Standard flat steel mesh screen over drive pulley area.

1.06 Belt Material and Length

1. Standard Corrosion Resistant Steel Belt.
2. Length as required up to 100'.

1.07 Wiper Blades

1. Standard Material: Nitrile.
 - A. Front Wiper Assembly - Spring tensioned with single wiper insert.
 - B. Rear Wiper Assembly - Stationary wiper holder, single wiper insert.

1.08 Oil Discharge Outlet

1. Standard Channel Mount
 - A. Dual troughs discharging into a single 5" channel to oil collection tank.

1.09 Mounting Arrangements

1. Standard Skimmer Configuration
 - A. 5 x 6.7 (5" channel) x 20" long minimum; also doubles as discharge outlet.

1.10 Weights and Size

1. 86 lbs. skimmer + 20 lbs. motor = 106 lbs/unit
2. Overall size of unit: 42-1/2"L x 16-1/2"W x 20"H
3. Tail Pulley: 10 lbs. each

1.11 Mounting Requirements

1. Sump Opening size for Tail Pulleys with Yokes: 12" x 36"
2. Sump Opening size for Tail Pulleys with Yokes and Retainers: 14" x 36"
3. Minimum Mounting Height: 20"
4. Minimum Mounting Height w/optional stand: 66-3/8"

1.12 Power Requirements

1. Hard wired per motor and local/national code.

1.13 Optional Mounting Arrangements

1. 2x8 Mounting Stand will support up to a single 3x8 skimmer and up to a single OC-200 decanter with pivot mount.

SKIMMER SPECIFICATION SHEET

PART 1: GENERAL

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1. Solid welded carbon steel with a baked on powder coat finish.
 - A. Color: RAL5005 or equivalent (Dark Blue).
2. Stainless Steel.

1.02 Pulley Types

1. Drive Pulley (Head Pulley)
 - A. Magnetic drive pulley for metal belt. Two magnet assemblies per cross bar with 8 cross bars per head.
2. Tail Pulley
 - A. Solid drum type, free floating in belt.
 - B. Collars for shaft when used with yoke, chain & retainer.
 - C. High Capacity.

1.03 Motor: (one of two motors standard)

- 1/4 H.P. 1 PH 60Hz TEFC
1725 RPM 56 C-Face
115/208-230 Volt
5 / 2.6 / 2.5 Amps
or
1/4 H.P. 3 PH 60Hz TEFC
1725 RPM 56 C-Face
208-230/460 Volt
1.4 / 1.3 / .65 Amp

1.04 Gear Reducer

1. Standard C-Face
 - A. 150:1 double reduction
 - B. Oil filled
 - C. Bronze gears/ball bearings

1.05 Guard

1. Standard flat steel mesh screen over drive pulley area.

1.06 Belt Material and Length

1. Standard Corrosion Resistant Steel
2. Length as required up to 100'.

1.07 Wiper Blades

1. Standard Material: Nitrile.
 - A. Front Wiper Assembly - Spring tensioned with single wiper insert.
 - B. Rear Wiper Assembly - Stationary wiper holder, single wiper insert.

1.08 Oil Discharge Outlet

1. Standard Channel Mount
 - A. Dual troughs discharging into a single 5" square tube to oil collection tank.

1.09 Mounting Arrangements

1. Standard Skimmer Configuration
 - A. 5" structural square tube 12ga. mount also doubles as discharge outlet.

1.10 Weights and Size

1. 110 lbs. skimmer + 20 lbs. motor = 130 lbs/unit
2. Overall size of unit: 70-1/2"L x 18"W x 26-1/2"H
3. Tail Pulley: 10 lbs. each

1.11 Mounting Requirements

1. Sump Opening size for Tail Pulleys with Yokes: 12" x 60"
2. Sump Opening size for Tail Pulleys with Yokes and Retainers: 14" x 60"
3. Minimum Mounting Height: 20"
4. Minimum Mounting Height w/optional stand: Per customer

1.12 Power Requirements

1. Hard wired per motor and local/national code.

1.13 Optional Mounting Arrangements

1. per customer.



Electric Motor List

OIL GRABBER[®] MODEL: MULTI BELTS

Standard motors 60 Hz:

1/4 H.P. 1 PH 60 Hz TEFC
1725 RPM 56 C-Face
115/208-230 Volt
5 / 2.6 / 2.5 Amp

or

1/4 H.P. 3 PH 60 Hz TEFC
1725 RPM 56 C-Face
208-230/460 Volt
1.4 / 1.3 / .65 Amp

Optional 50 Hz motors:

1/2 H.P. 1 PH 50 Hz TEFC
1425 RPM 56 C-Face
110/220 Volt
7.2 / 3.6 Amp

or

1/2 H.P. 3 PH 50 Hz TEFC
1425 RPM 56 C-Face
220/380/440 Volts
2 / 1.2 / 1 Amp

Optional Explosion-Proof Motors 50 & 60 Hz:

1/3 H.P. 1 PH 60 Hz EXP.
1725 RPM 56 C-Face
115/208-230 Volt
6 / 3.2 / 3 Amp

1/3 H.P. 3 PH 60 Hz EXP.
1725 RPM 56 C-Face
208-230/460 Volt
1.8 / 1.6 / .8 Amp

1/2 H.P. 3 PH 50 Hz EXP.
1425 RPM 56 C-Face
220/380/440 Volt
2 / 1.2 / 1 Amp

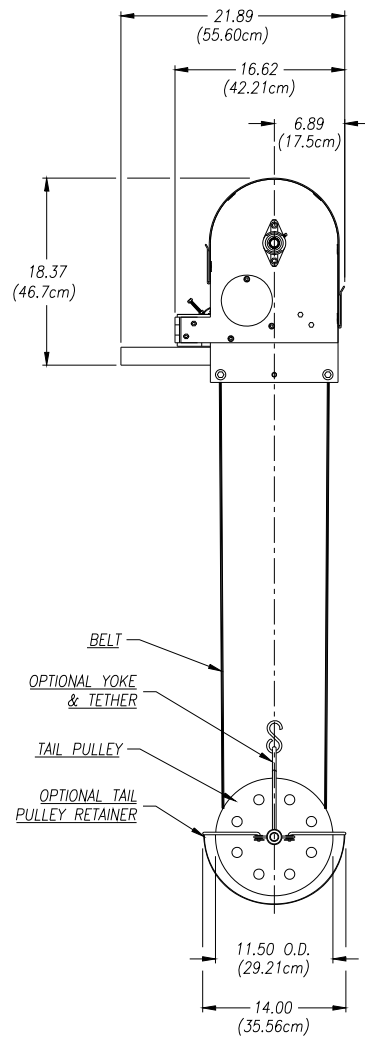
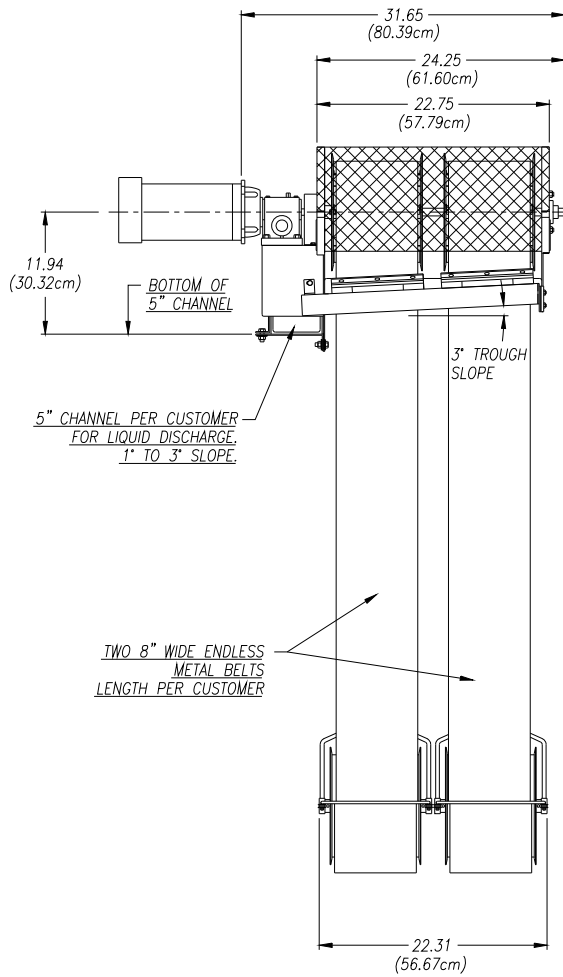
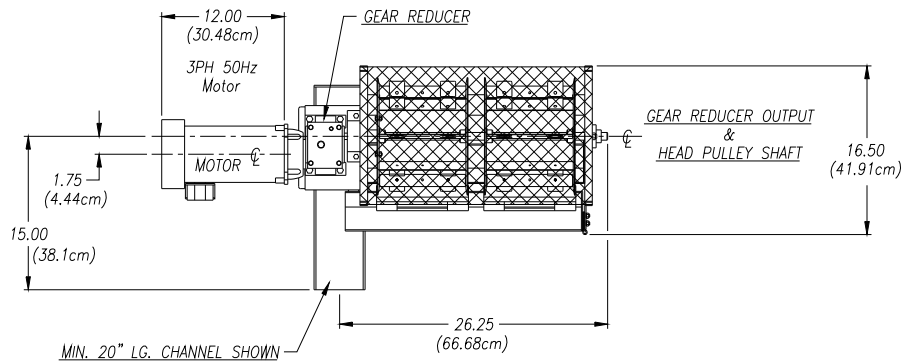
1/2 H.P. 1 PH 50 Hz EXP.
1425 RPM 56 C-Face
110/220 Volt
7.2 / 3.6 Amp

Optional 575 Volt Motors

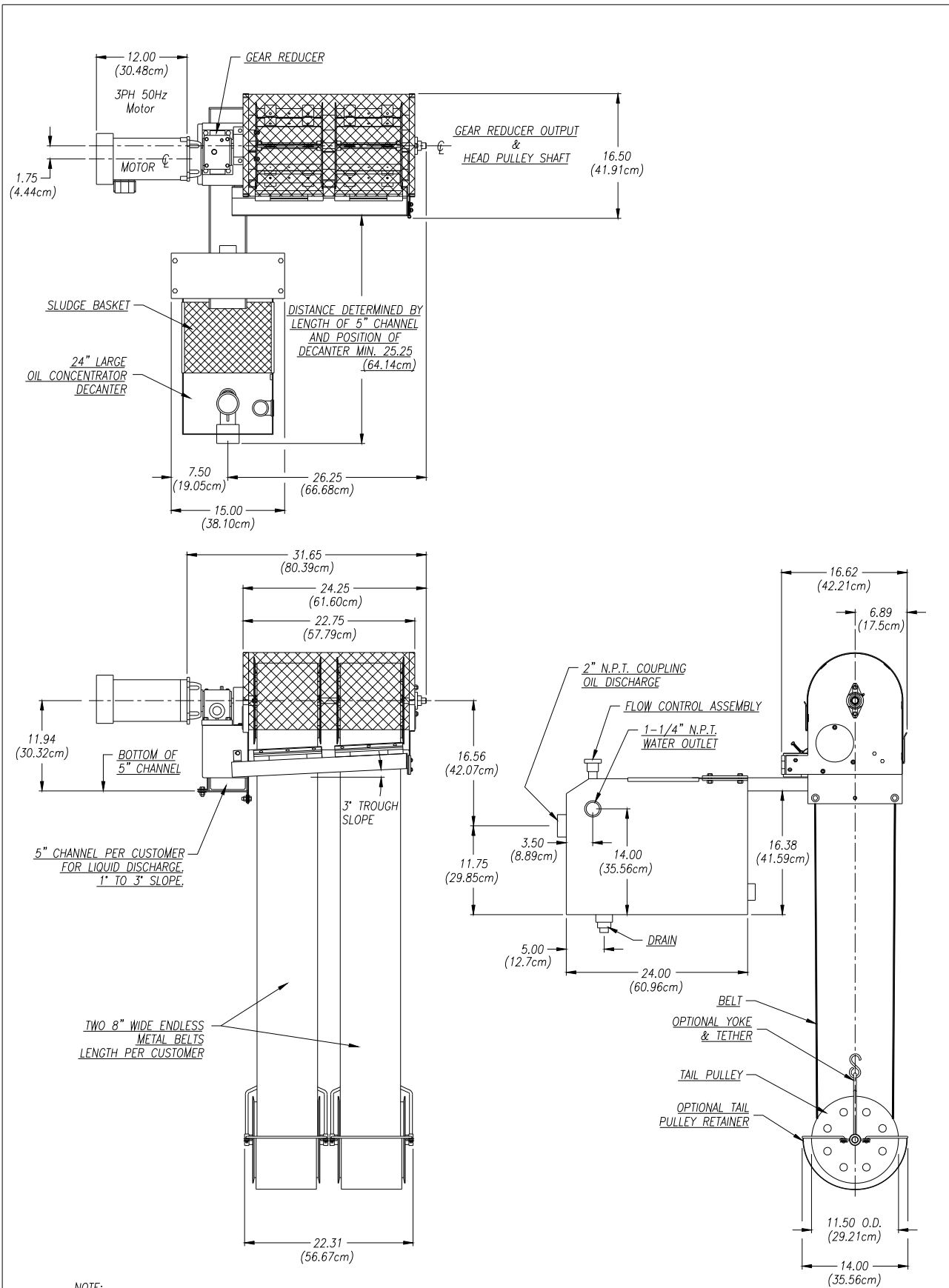
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1725 RPM 56 C-Face
575 Volt
.64 Amp

1/2 H.P. 3 PH 60 Hz EXP.
1725 RPM 56 C-Face
575 Volt
.9 Amp

1/2 H.P. 3PH 60 Hz TEFC
1725 RPM 56 C-Face
575 Volt
.8 Amp



REV	DESCRIPTION	DATE	APPROVED	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES:	MODEL 2x8 OIL SKIMMER	ABANAKI CORPORATION Chagrin Falls, Ohio 44023 (440) 543-7400				
				DECIMALS ANGULAR XX ± .05 ± 0.5° XXX ± .010	OVERALL DRAWING	DRAWN BY: Ken Pagan	SIZE: D	SCALE: —	DWG NO: 2-8DIM01	REV: 0
				DO NOT SCALE DRAWING		PRINT ISSUED ON: 03/12/97		DATE: 03/12/97	SHEET: 1 OF 1	



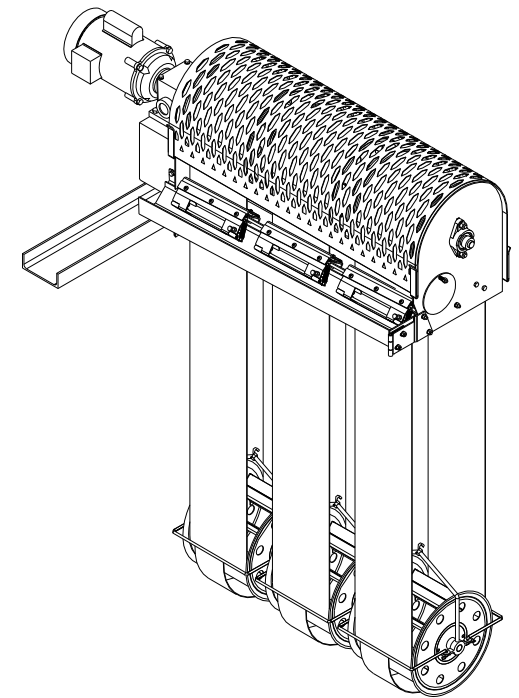
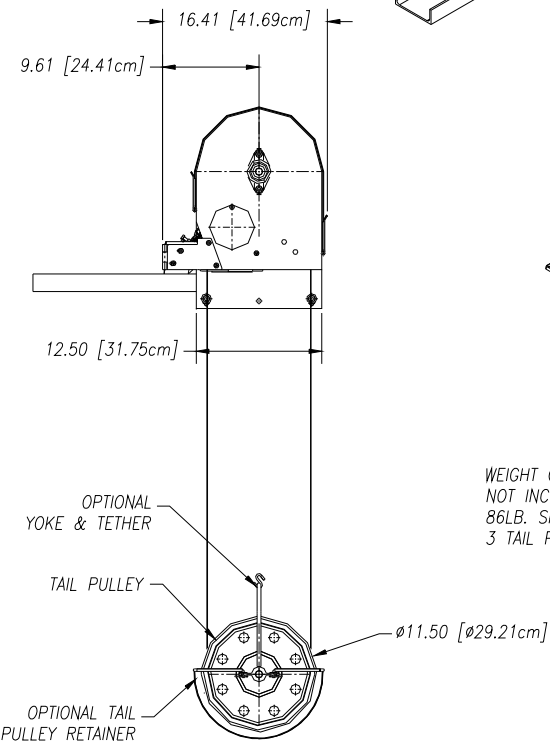
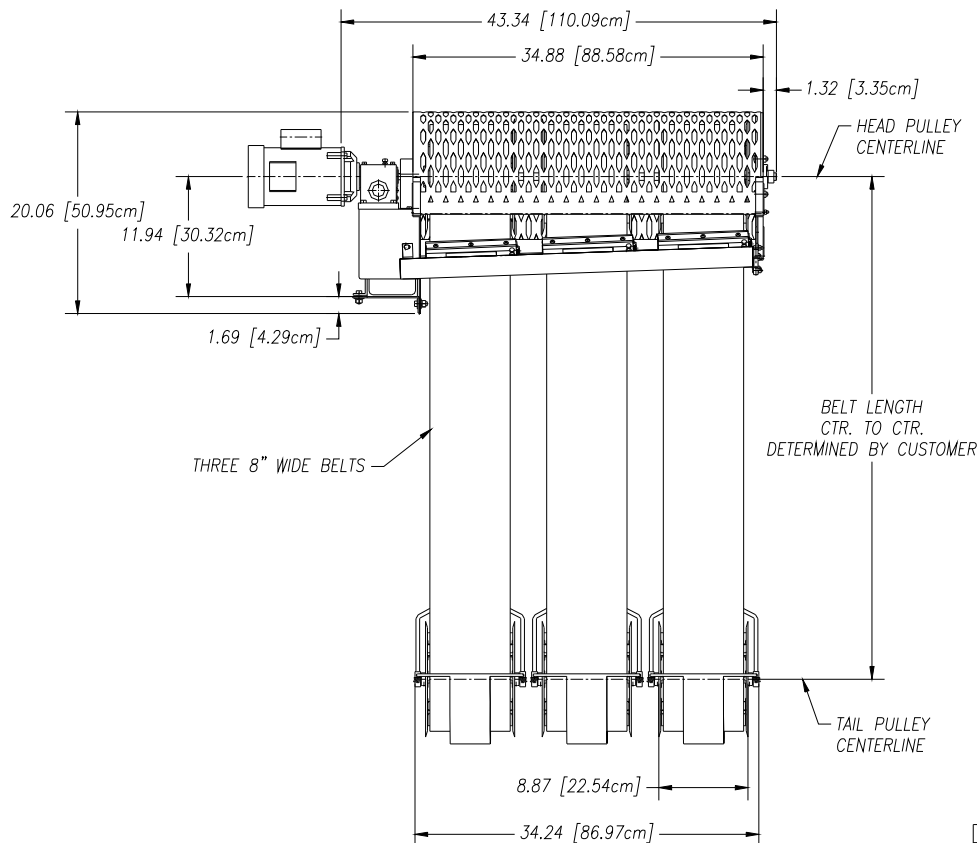
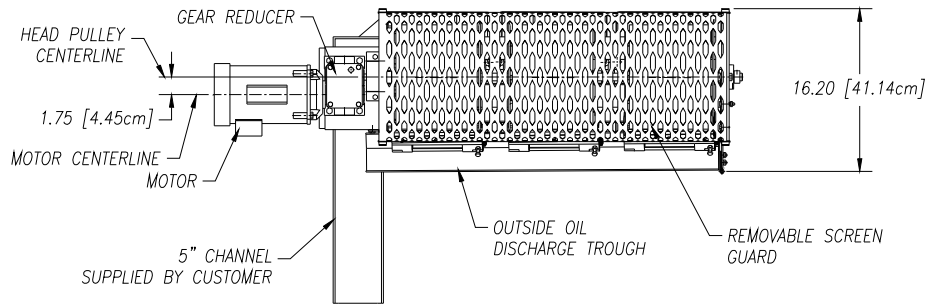
REV	DESCRIPTION	DATE	APPROVED

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TOLERANCES:
DECIMALS .XX ± .05
XXX ± .010
DO NOT SCALE DRAWING

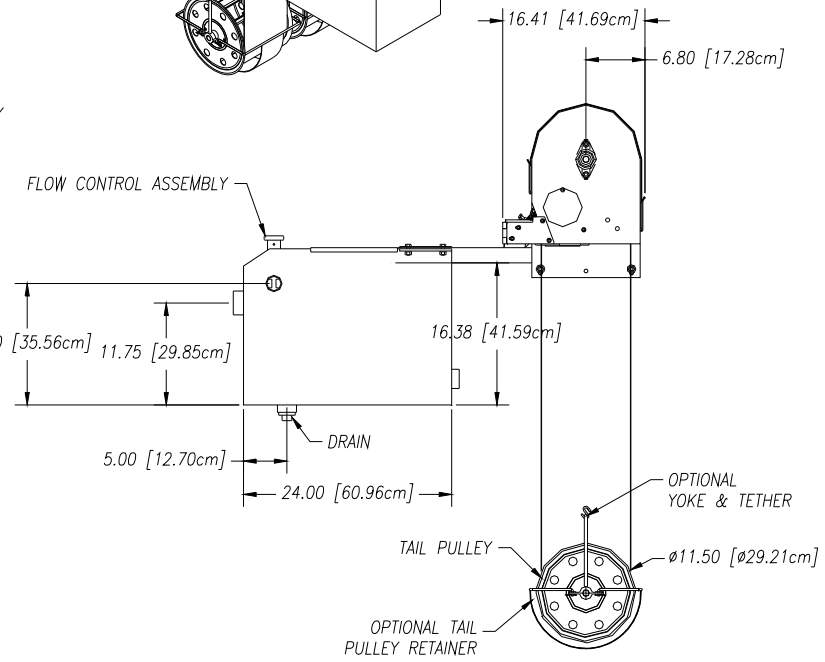
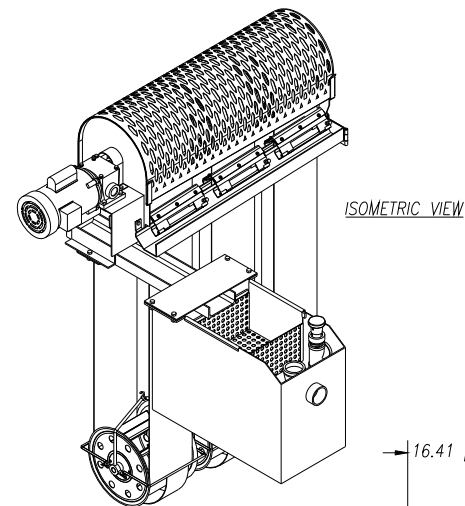
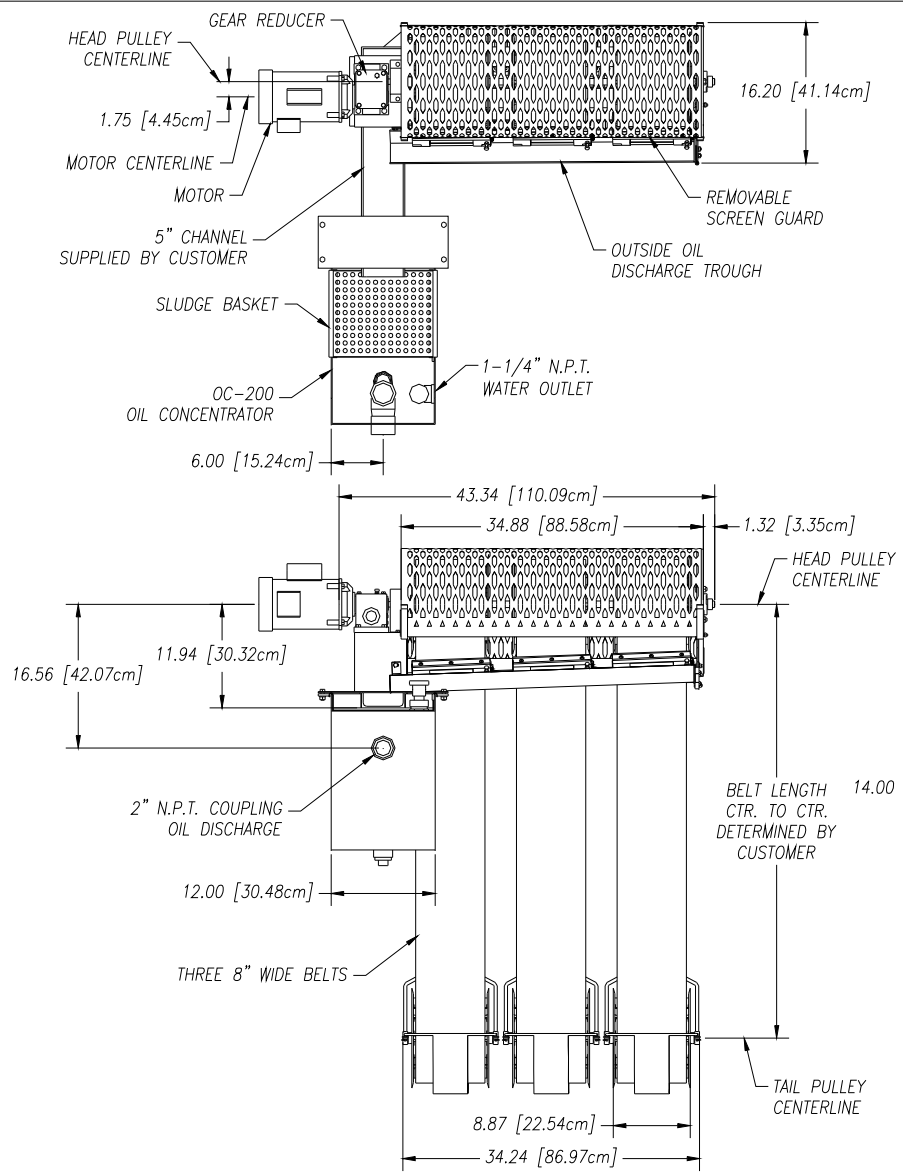
MODEL 2x8 OIL SKIMMER
W/24" DECANTER
OVERALL DRAWING
DRAWN BY: Ken Fagan
PRINT ISSUED ON: 02/10/97

ABANAKI CORPORATION		Chagrin Falls, Ohio 44023 (216) 543-7400	
SIZE	SCALE	DWG. NO.	REV
D	~	M2-8-D	0
DATE	02/10/97	SHEET	1 of 1



WEIGHT OF MB3x8 OIL SKIMMER
 NOT INCLUDING BELTS:
 86LB. SKIMMER + 20LB. MOTOR = 106LBS.
 3 TAIL PULLEYS = 30LBS.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES:		ABANAKI CORPORATION <small>Chester, Falls, Ohio 44023 (440) 543-7400</small>	
DECIMALS	ANGULAR	MODEL MB3x8 OIL SKIMMER OVERALL DRAWING	
.XX ± .05	± 0.5°	SIZE	SCALE
.XXX ± .010		D	-
DO NOT SCALE DRAWING		ENG NO.	REV
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REV	DESCRIPTION	DATE	APPROVED
PRINT ISSUED ONE: 07/10/00	REPLACES: M3-B-D2	DATE: 07/10/00	SHEET 1 OF 1



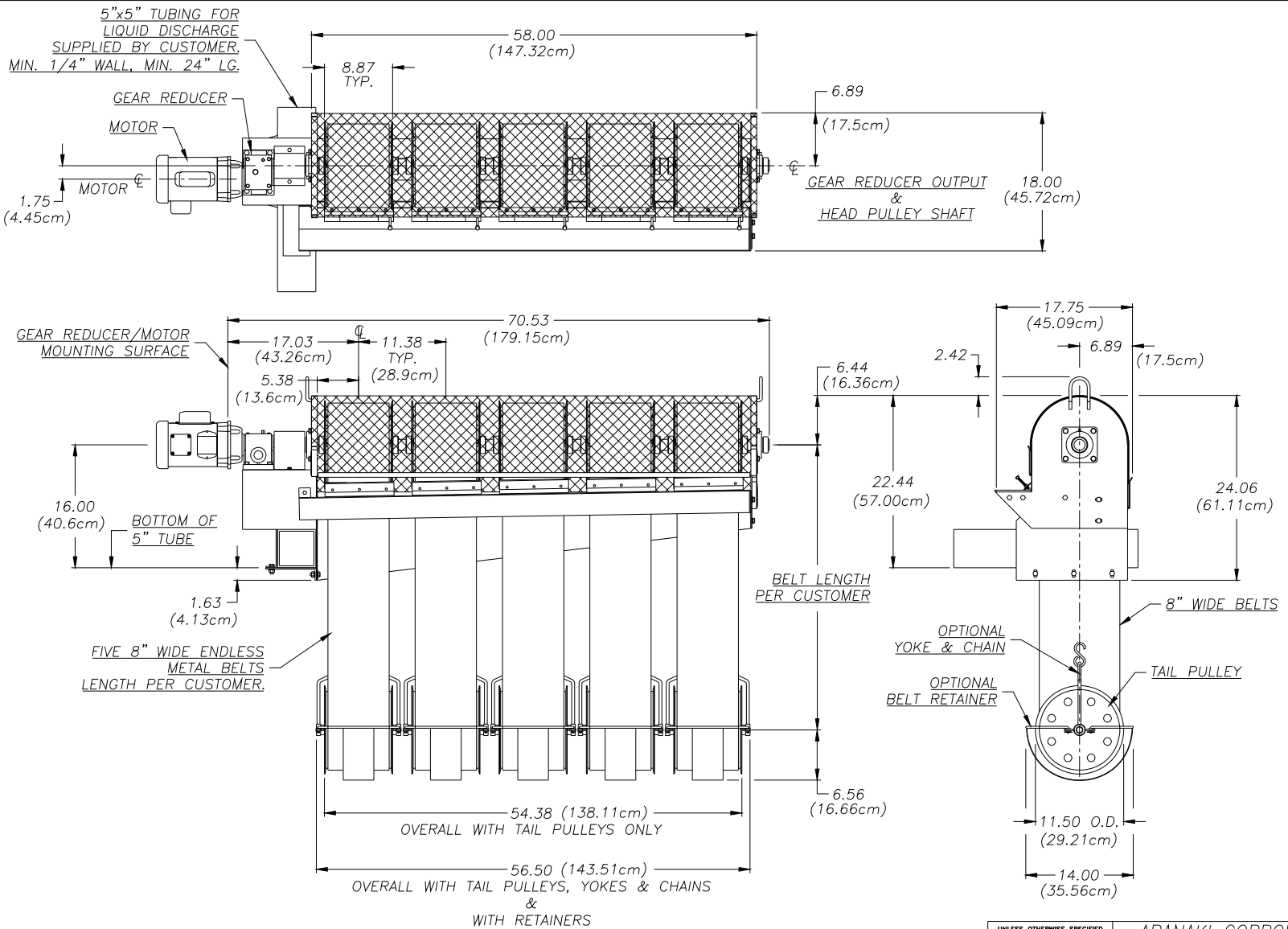
UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES:
 DECIMALS .XX ± .05
 .XXX ± .010
 ANGULAR ± 0.5°

ABANAKI CORPORATION
 Copyright 1998, 0100, 44022, (440) 543-7400
MODEL MB3x8 OIL SKIMMER
W/OC-200 OIL CONCENTRATOR
OVERALL DRAWING

DO NOT SCALE DRAWING
 DRAWN BY: Ken Fagan
 PRINT ISSUED ON: 07/10/00
 SIZE: D
 SCALE: -
 SHEET NO.: M3XBSTD-002A_L1
 REV: 0
 REPLACES: M3-B-D
 DATE: 07/10/00
 SHEET: 1 of 1

REV	DESCRIPTION	DATE	APPROVED

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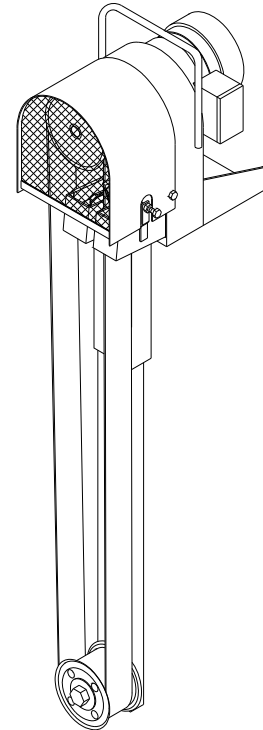
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES:		ABANAKI CORPORATION Chagrin Falls, Ohio 44023 (440) 543-7400	
DECIMALS	ANGULAR	5 X 8 OIL SKIMMER OVERALL DRAWING	
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.XXX ± .010		SCALE	-
DO NOT SCALE DRAWING		DWG NO.	M5-8-D1
REV	DESCRIPTION	DATE	APPROVED
1	1.75 WAS 1.82	02/12/98	
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		PRINT ISSUED ON	02/12/98
		DATE	02/09/98
		SHEET	1 of 1

ABANAKI

Tote-It[®] Portable Oil Skimmer: 1", 2", 4"

Quick Summary:

A small rugged portable oil skimmer with a wide range of applications. The Tote-It is an industrial oil skimmer designed for years of continuous operation. The Tote-It features: high oil removal capacity; dual wiper blade system; stabilizer bar; and a steel guard cover over the drive pulley. The Tote-It is currently found in such locations as parts washers, machine shops, assembly plants, automobile garages or any site that a unit can be carried to and plugged in. The Tote-It with 1, 2 and 4-inch belt sizes allows for a variety of application possibilities.



Highlights:

1. A 1,2 or 4" continuous belt of corrosion resistant steel or elastomer.
2. Oil discharge is through a 1-1/4" N.P.T. coupling.
3. 8 foot grounded power cord w/plug.
4. Fan-cooled fractional horsepower gear motor.
5. Removes up to 12 gallons of oil per hour.
6. Available in stainless steel construction.

Quick Chart:

STANDARD MOTOR							OPTIONAL DUAL VOLT MOTOR	
CAP. GAL.	MODEL	BELT WIDTH	BELT LENGTH	RPM AMPS	VOLTS Hz	PHASE	RPM AMPS	VOLTS Hz
3	TI-01	1"	1'-6" to 5'-0"	12 RPM 1.4	115 60Hz	1PH TEFC	15/12.5 1.2/.61amp 1.3/.65amp	115/230v 110/220v 50/60Hz
6	TI-02	2"	1'-6" to 5'-0"	12 RPM 1.4	115 60Hz	1PH TEFC	15/12.5 1.2/.61amp 1.3/.65amp	115/230v 110/220v 50/60Hz
12	TI-04	4"	1'-6" to 5'-0"	12 RPM 1.4	115 60Hz	1PH TEFC	15/12.5 1.2/.61amp 1.3/.65amp	115/230v 110/220v 50/60Hz

Note:

Additional motors, including explosion proof, are available per customer specification. See motor spec sheet for complete listing of motors. Always consult the factory for special applications.

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17387 Munn Road Chagrin Falls, Ohio 44023 U.S.A.

Phone: 1-800-358-SKIM Fax: (440) 543-7404

www.abanaki.com

Skimmer Specification Sheet

PART 1: GENERAL

1.01 Construction

1. Solid welded carbon steel with a baked on powder coat finish.
2. Color: RAL5005 or equivalent (Dark Blue).

1.02 Pulley Types

1. Drive Pulley (Head Pulley)
 - A. Magnetic drive pulley for metal belt. One magnet assembly per cross bar, with 8 cross bars per unit.
2. Tail Pulley (Solid drum type)
 - A. With hub for elastomer belt.
 - B. Without hub for metal belt.

1.03 Motor

1. 115 Volt, 60Hz. @ 12 RPM 1.4 Amp shaded pole gear motor, TEFC U.L. and C.S.A. approved.

1.04 Guard

1. Standard steel drive pulley area cover, bolt in place.

1.05 Belt Material and Length

1. Standard Corrosion Resistant Steel Belt.
2. Length 1'-6" to 5'-0" center-center

1.06 Wiper Blades

1. Standard Material: Nitrile.
 - A. Adjustable wiper: outboard screw type for tensioning, with single wiper insert.
 - B. Fixed: inboard to center belt, with single wiper insert.

1.07 Oil Discharge Outlet

1. Dual troughs discharging into a single 1-1/4" N.P.T. coupling.

1.08 Standard Mounting Arrangement

1. Two 7/16" clearance holes for mounting on flat surface.

1.09 Weight and Size

1. Weight of unit with gear motor is 22 lbs. for 1" unit.
2. Overall size of unit: 12-7/8"L x 7-3/4"W x 12"H

1.10 Mounting Requirements

1. Sump Opening size for Tail Pulley: 4-1/2" x 5" w/stablizer bar.
2. Minimum Mounting Height: 12"

1.11 Power Requirements

1. 3 - prong grounded 110 volt outlet. Unit comes with 8' cord.

1.12 Optional Mounting Arrangements

1. Tote-It storage stand, for storing skimmer while not in use.
2. Universal Mounting Stand: 48" tall, for mounting Tote-It skimmer and ODM-100 decanter.
3. Tote-It drum mount, for operating skimmer and one ODM-100 decanter on a 55 gallon drum.

Skimmer Specification Sheet

PART 1: GENERAL

1.01 Construction

1. Solid welded carbon steel with a baked on powder coat finish.
2. Color: RAL5005 or equivalent (Dark Blue).

1.02 Pulley Types

1. Drive Pulley (Head Pulley)
 - A. Magnetic drive pulley for metal belt. One magnet assembly per cross bar with 8 cross bars per unit.
2. Tail Pulley (Solid drum type)
 - A. With hub for elastomer belt.
 - B. Without hub for metal belt.

1.03 Motor

1. 115 Volt, 60Hz. @ 12 RPM 1.4 Amp shaded pole gear motor, TEFC U.L. and C.S.A. approved.

1.04 Guard

1. Standard steel drive pulley area cover, bolt in place.

1.05 Belt Material and Length

1. Standard Corrosion Resistant Steel Belt.
2. Length 1'-6" to 5'-0" center-center

1.06 Wiper Blades

1. Standard Material: Nitrile.
 - A. Adjustable wiper: outboard screw type for tensioning, with single wiper insert.
 - B. Fixed: inboard to center belt, with single wiper insert.

1.07 Oil Discharge Outlet

1. Dual troughs discharging into a single 1-1/4" N.P.T. coupling.

1.08 Standard Mounting Arrangement

1. Two 7/16" clearance holes for mounting on flat surface.

1.09 Weight and Size

1. Weight of unit with gear motor is 34 lbs. for 2" unit.
2. Overall size of unit: 12-7/8"L x 7-3/4"W x 12"H

1.10 Mounting Requirements

1. Sump Opening size for Tail Pulley: 4-1/2" x 5" w/stablizer bar.
2. Minimum Mounting Height: 12"

1.11 Power Requirements

1. 3 - prong grounded 110 volt outlet. Unit comes with 8' cord.

1.12 Optional Mounting Arrangements

1. Tote-It storage stand, for storing skimmer while not in use.
2. Universal Mounting Stand: 48" tall, for mounting Tote-It skimmer and ODM-100 decanter.
3. Tote-It drum mount, for operating skimmer and one ODM-100 decanter on a 55 gallon drum.

Skimmer Specification Sheet

PART 1: GENERAL

1.01 Construction

1. Solid welded carbon steel with a baked on powder coat finish.
2. Color: RAL5005 or equivalent (Dark Blue).

1.02 Pulley Types

1. Drive Pulley (Head Pulley)
 - A. Magnetic drive pulley for metal belt. Two magnet assemblies per cross bar with 8 cross bars per unit.
2. Tail Pulley (Solid drum type)
 - A. With hub for elastomer belt.
 - B. Without hub for metal belt.

1.03 Motor

1. 115 Volt, 60Hz. @ 12 RPM 1.4 Amp shaded pole gear motor, TEFC U.L. and C.S.A. approved.

1.04 Guard

1. Standard steel drive pulley area cover, bolt in place.

1.05 Belt Material and Length

1. Standard Corrosion Resistant Steel Belt.
2. Length 1'-6" to 5'-0" center-center.

1.06 Wiper Blades

1. Standard Material: Nitrile.
 - A. Adjustable wiper: outboard screw type for tensioning, with single wiper insert.
 - B. Fixed: inboard to center belt, with single wiper insert.

1.07 Oil Discharge Outlet

1. Dual troughs discharging into a single 1-1/4" N.P.T. coupling.

1.08 Standard Mounting Arrangement

1. Two 7/16" clearance holes for mounting on flat surface.

1.09 Weight and Size

1. Weight of unit with gear motor is 34 lbs. for 4" unit.
2. Overall size of unit: 14-7/8"L x 7-3/4"W x 12"H

1.10 Mounting Requirements

1. Sump Opening size for Tail Pulley: 5" x 7" w/stablizer bar.
2. Minimum Mounting Height: 12"

1.11 Power Requirements

1. 3 - prong grounded 110 volt outlet. Unit comes with 8' cord.

1.12 Optional Mounting Arrangements

1. Tote-It storage stand, for storing skimmer while not in use.
2. Universal Mounting Stand: 48" tall, for mounting Tote-It skimmer and OC-110 decanter.
3. Tote-It drum mount, for operating skimmer and one OC-110 decanter on a 55 gallon drum.

ABANAKI

Electric Motor List

Tote-It® Portables: 1", 2", 4" Units

Standard gearmotor 60 Hz:

1/20 H.P. 1 PH 60 Hz TEFC
12 RPM
115 Volt
1.4 Amp

1/2 H.P. 3 PH 50 Hz EXP.
1425 RPM 56 C-Face
220/380/440 Volt
2 / 1.2 / 1 Amp

1/2 H.P. 1 PH 50 Hz EXP.
1425 RPM 56 C-Face
110/220 Volt
7.2 / 3.6 Amp

Optional 50Hz gearmotor:

1/15 H.P. 1 PH 60/50 Hz TEFC
15/12.5 RPM
115/230v 110/220v
1.3/.65 - 1.2/.61 Amp

Optional 575 Volt Motors

1/3 H.P. 3 PH 60 Hz TEFC
1725 RPM 56 C-Face
575 Volt
.64 Amp

Optional Explosion-Proof Motors 50 & 60 Hz:

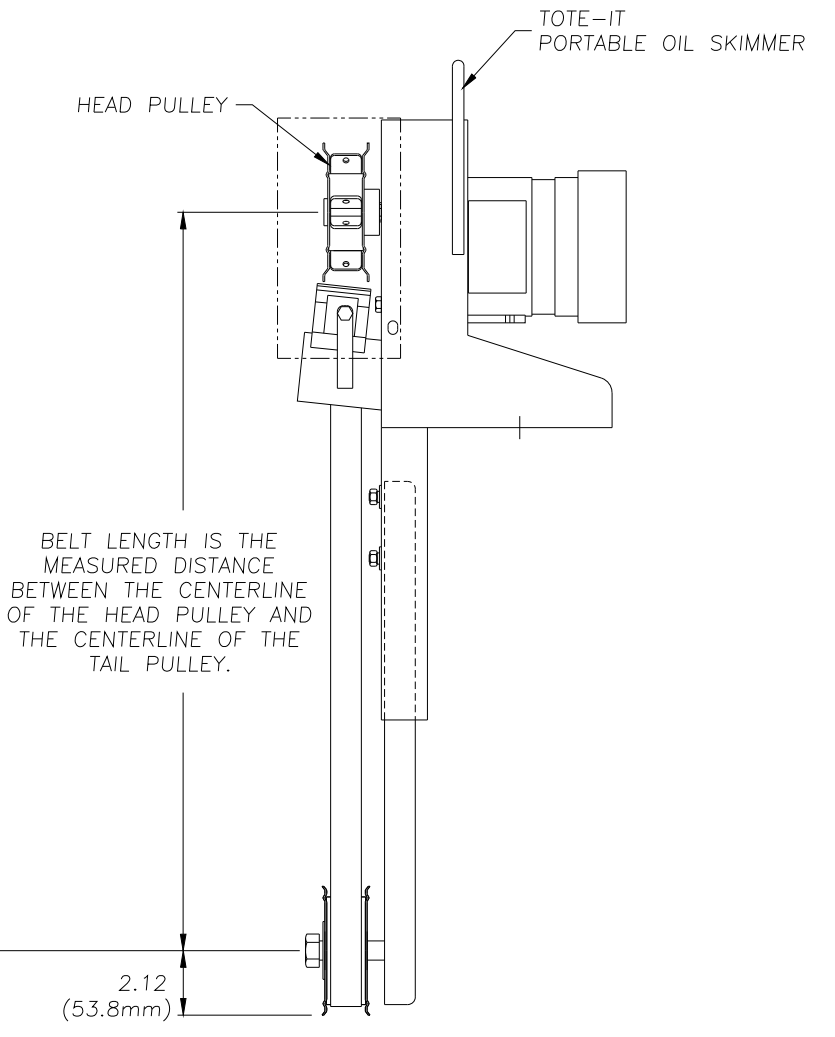
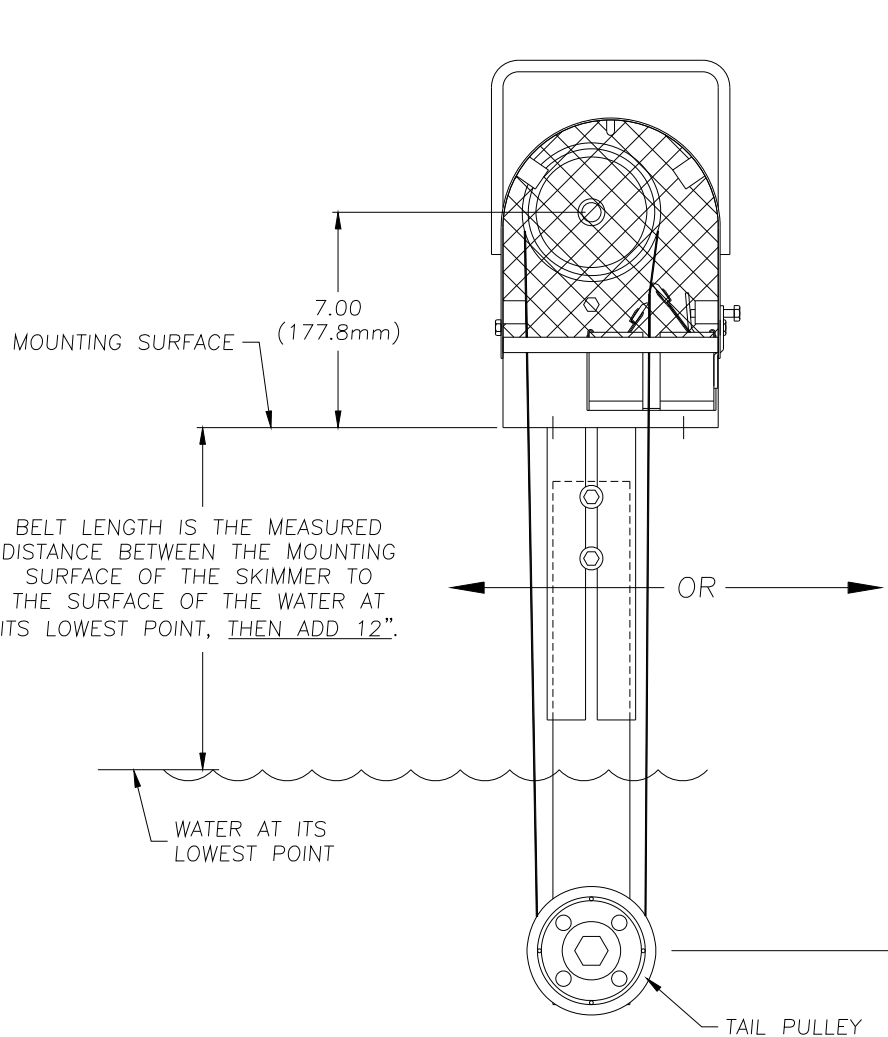
Note: These are 56 C-Face motors

1/3 H.P. 1 PH 60 Hz EXP.
1725 RPM 56 C-Face
115/208-230 Volt
6 / 3.2 / 3 Amp

1/2 H.P. 3 PH 60Hz EXP.
1725 RPM 56 C-Face
575 Volt
.9 Amp

1/3 H.P. 3 PH 60 Hz EXP.
1725 RPM 56 C-Face
208-230/460 Volt
1.8 / 1.6 / .8 Amp

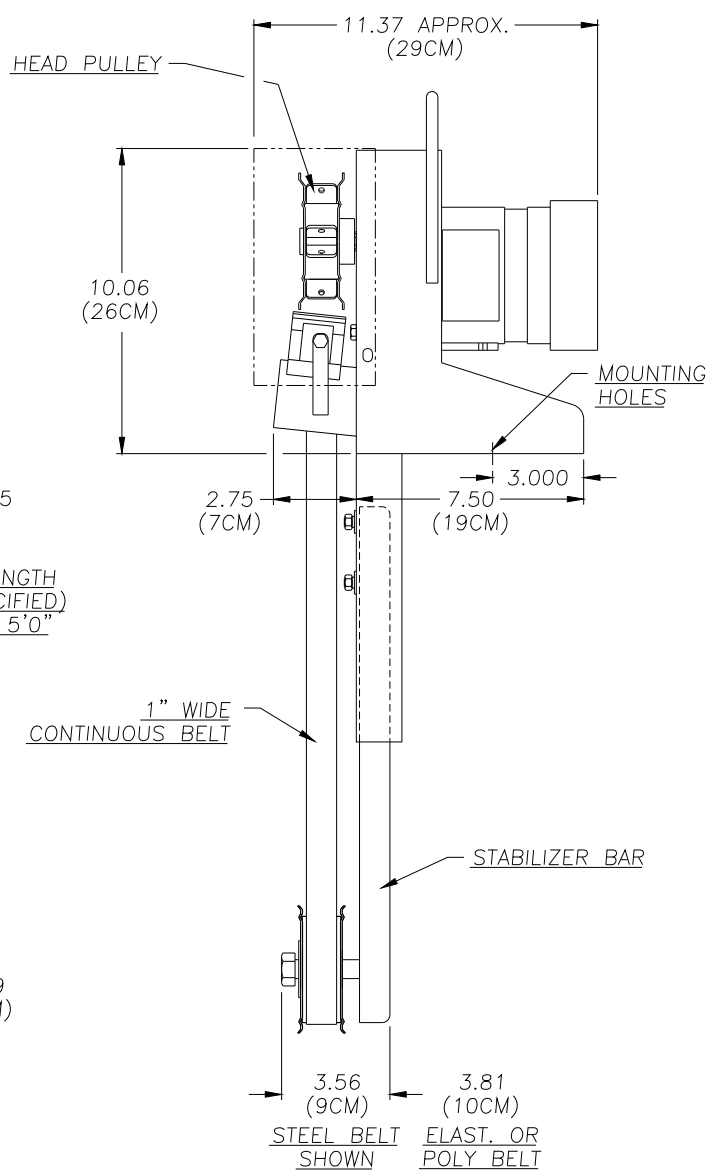
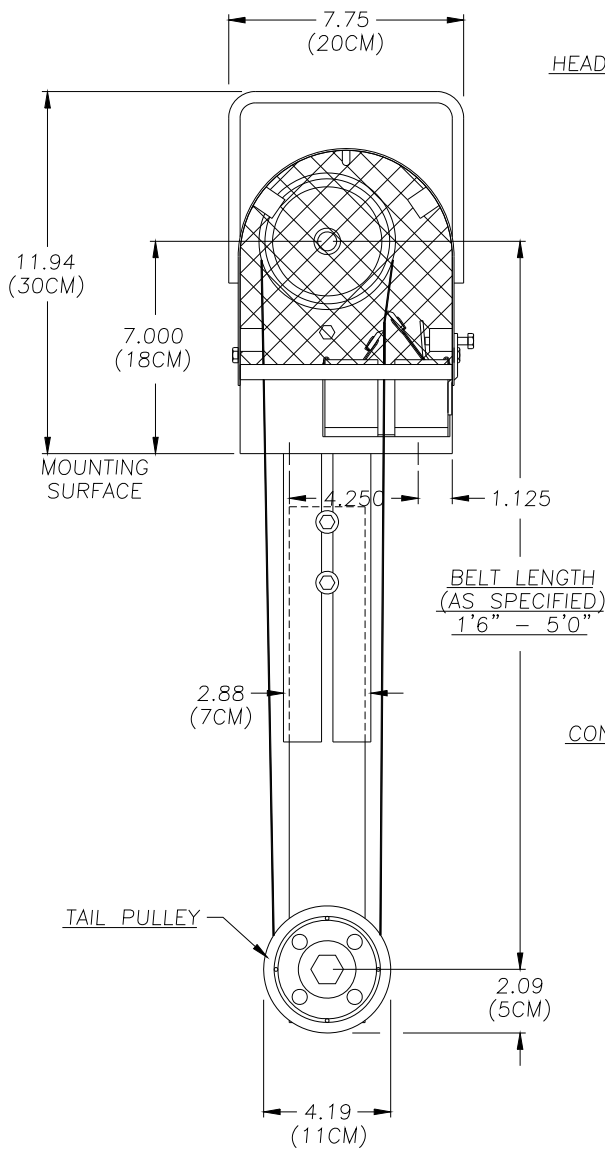
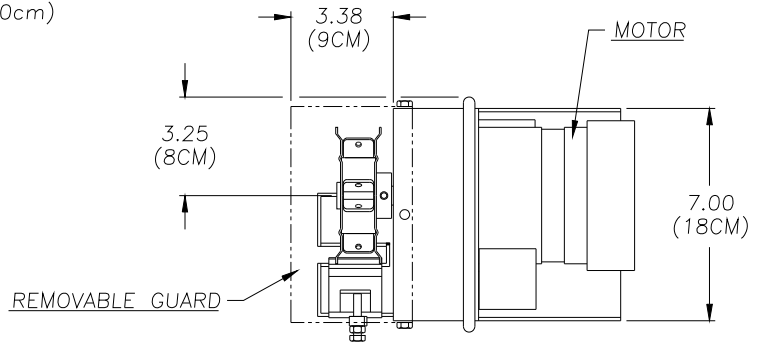
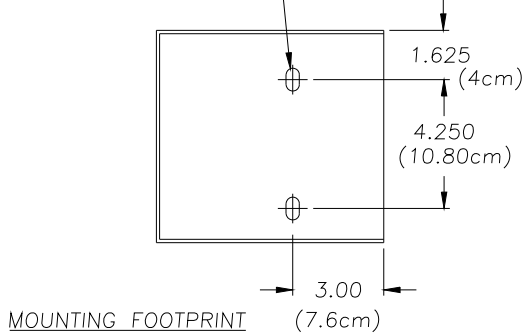
1/2 H.P. 3PH 60Hz TEFC
1725 RPM 56 C-Face
575 Volt
.8 Amp



OR

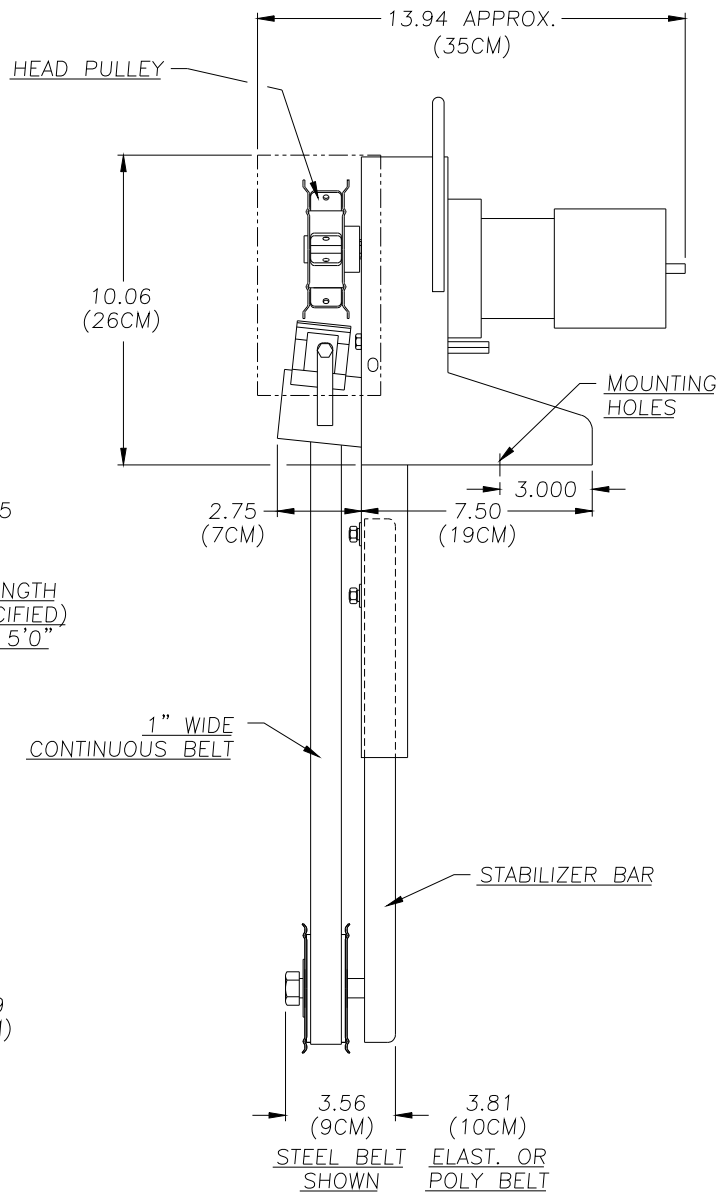
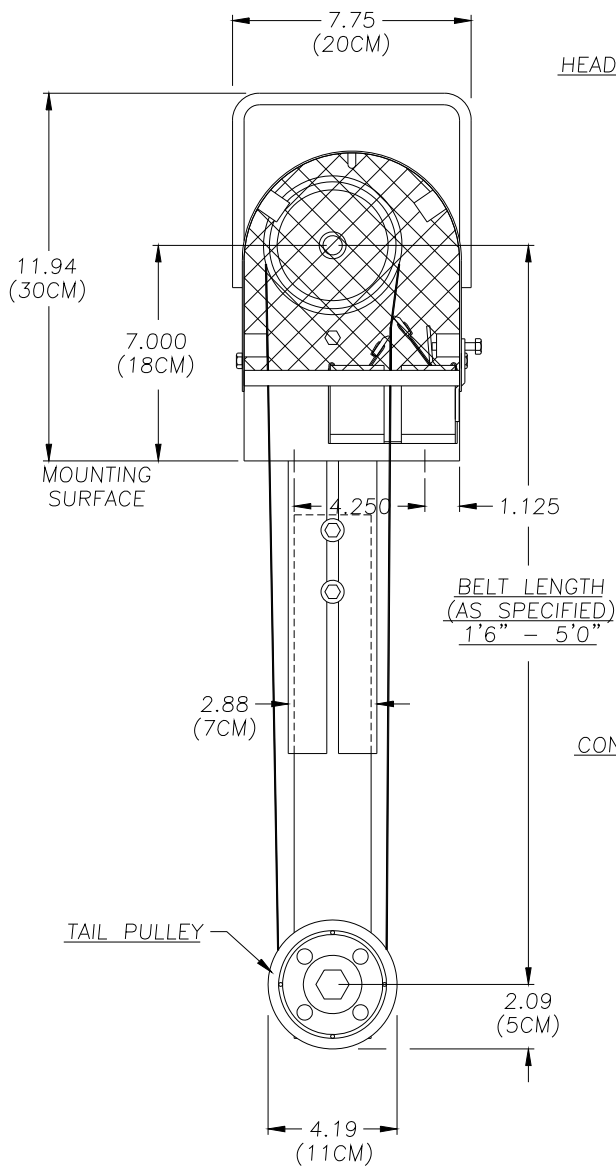
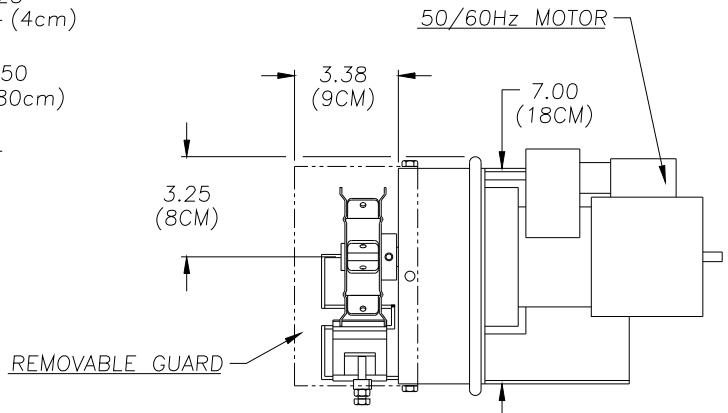
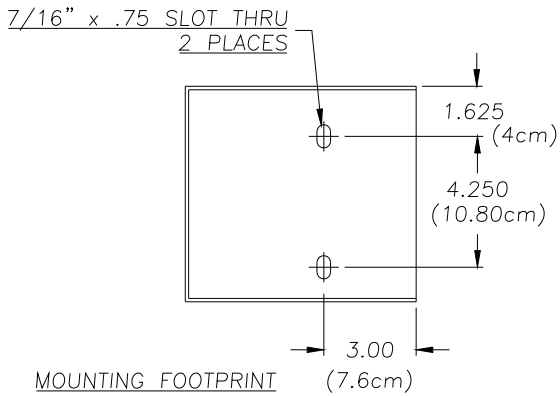
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES:		ABANAKI CORPORATION <small>Chagrin Falls, Ohio 44023 (440) 845-7400</small> TOTE-IT PORTABLE OIL SKIMMER BELT LENGTH LAYOUT DRAWING	
DECIMALS	ANGULAR	DO NOT SCALE DRAWING	SIZE SCALE
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.XXX ± .010			TI-BELDIM
REV	DESCRIPTION	DATE	APPROVED
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		<small>REPLACES:</small>	<small>DATE:</small> 12/14/98 <small>SHEET</small> 1 of 1

7/16" x .75 SLOT THRU
2 PLACES

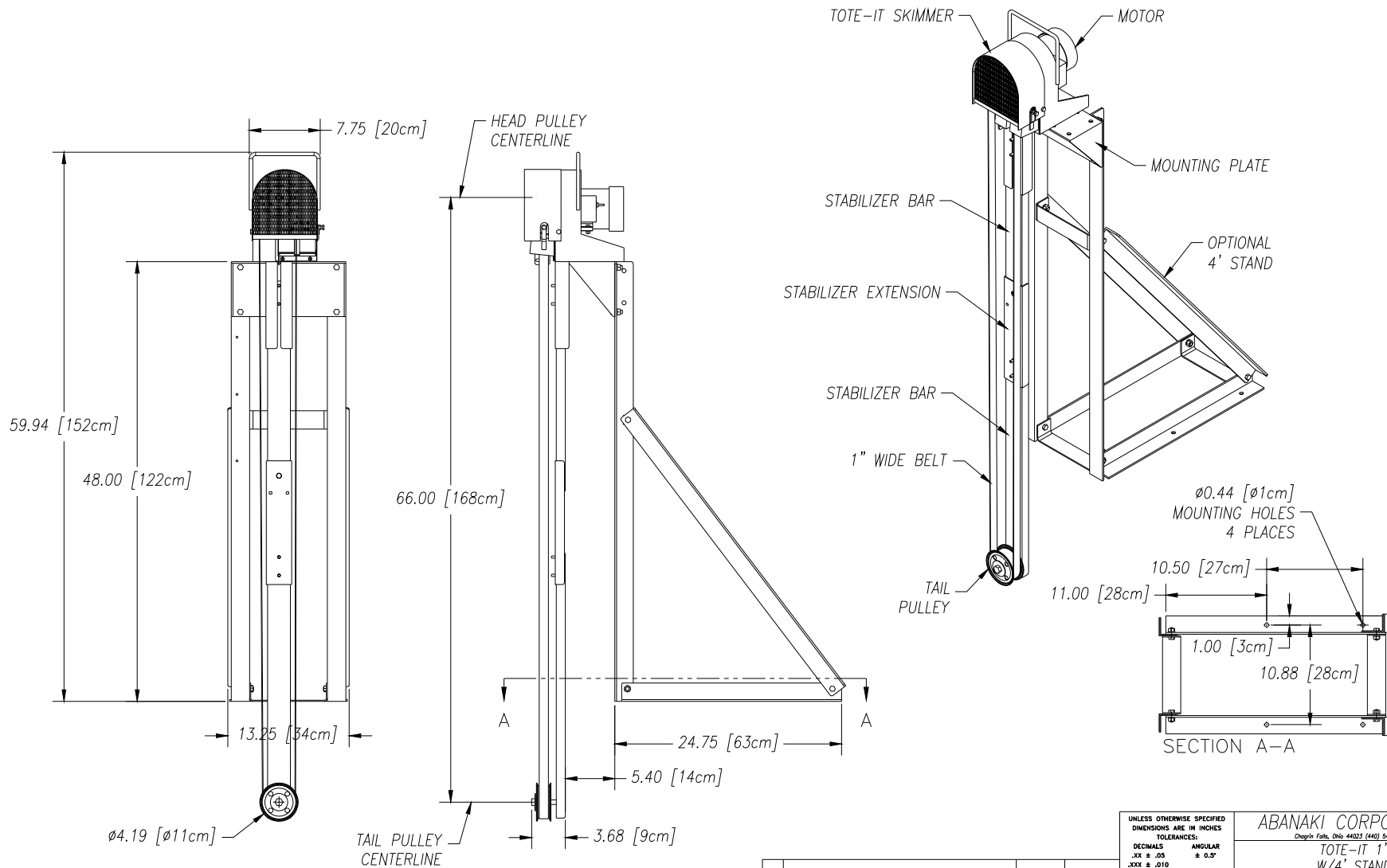


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1	ADDED MOUNTING FOOTPRINT	02/18/98			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOTE-IT 1" OIL SKIMMER	ABANAKI CORPORATION
REV	DESCRIPTION	DATE	APPROVED		TOLERANCES:	50/60Hz MOTOR	Chagrin Falls, Ohio 44023 (440) 543-7400
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					ANGULAR ± 0.5°	DRWNR BY: Ken Fagan	REV 1
					.XXX ± .010	PRINT ISSUED ON: 02/18/98	DATE 06/16/97
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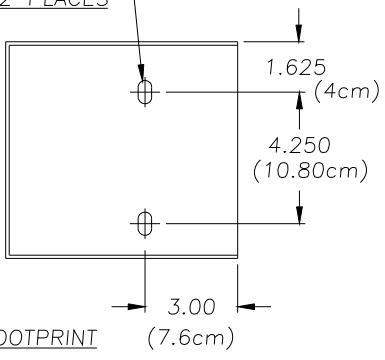


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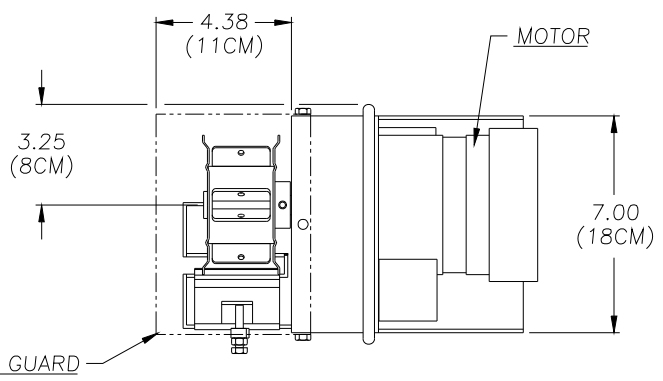
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TOLERANCES:		TOTE-IT 1" W/4' STAND OVERALL DRAWING	
DECIMALS	ANGULAR	SIZE	DWG NO.
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.XXX ± .010		SCALE	REV
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PRINT ISSUED ON: 01/30/07		REPLACES:	

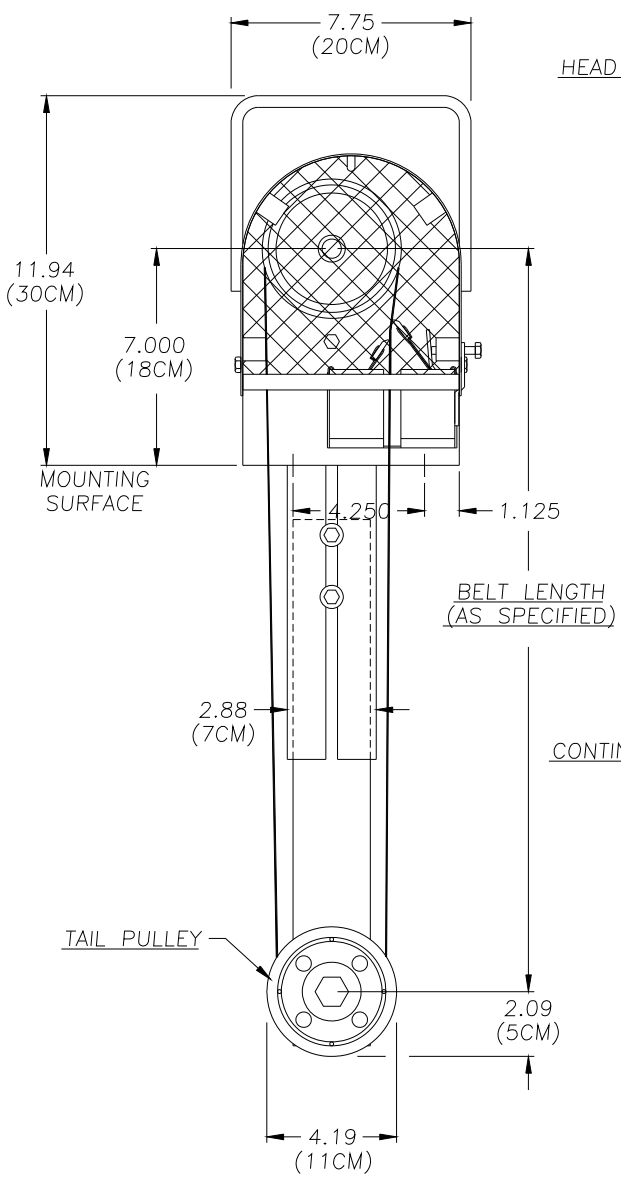
7/16" x .75 SLOT THRU
2 PLACES



MOUNTING FOOTPRINT (7.6cm)



REMOVABLE GUARD



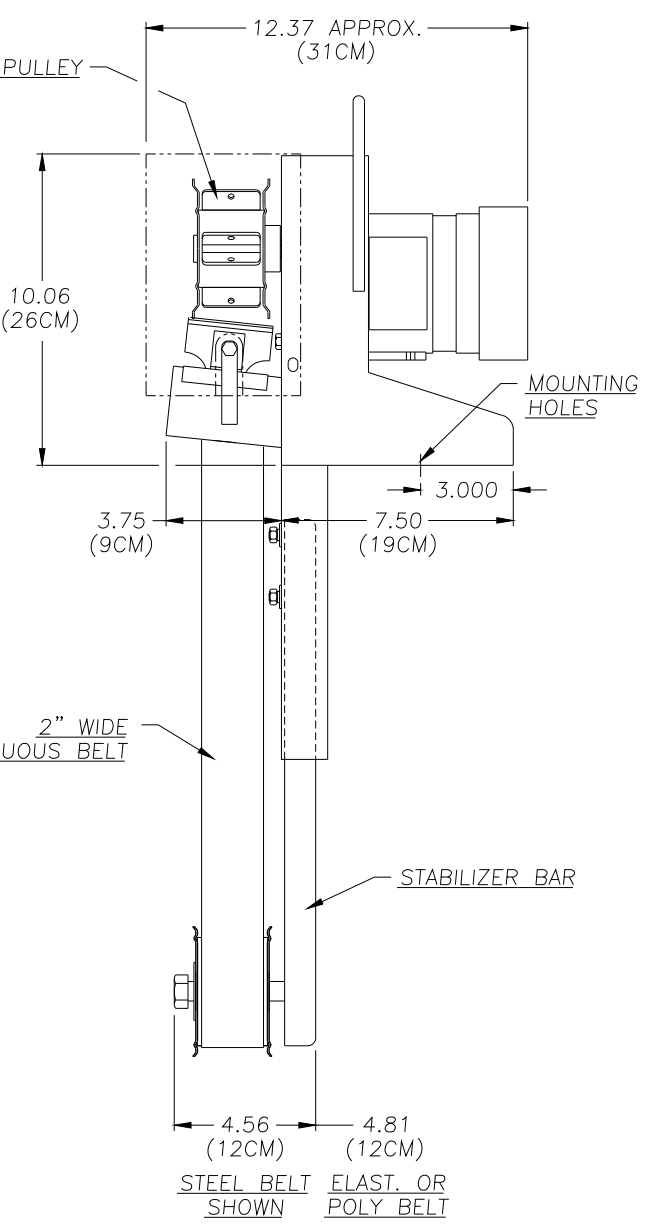
HEAD PULLEY

MOUNTING SURFACE

BELT LENGTH (AS SPECIFIED)

TAIL PULLEY

2" WIDE CONTINUOUS BELT



MOTOR

7.00 (18CM)

12.37 APPROX. (31CM)

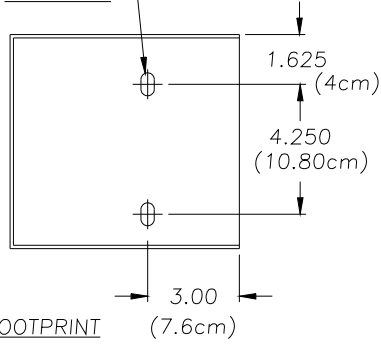
MOUNTING HOLES

STABILIZER BAR

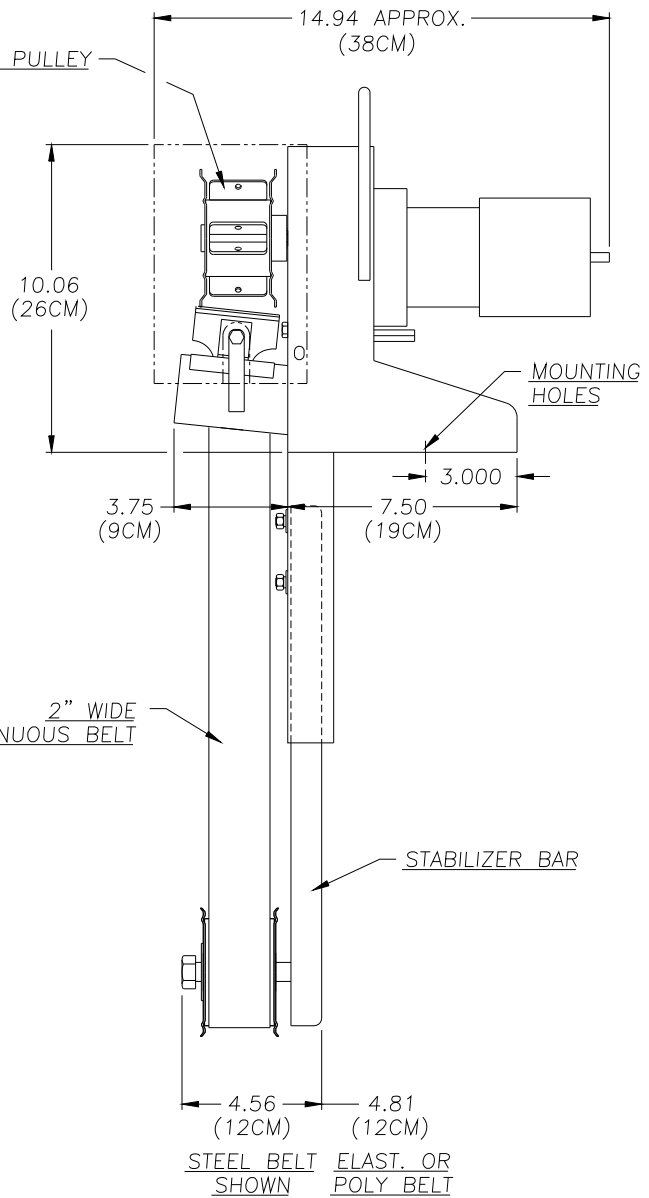
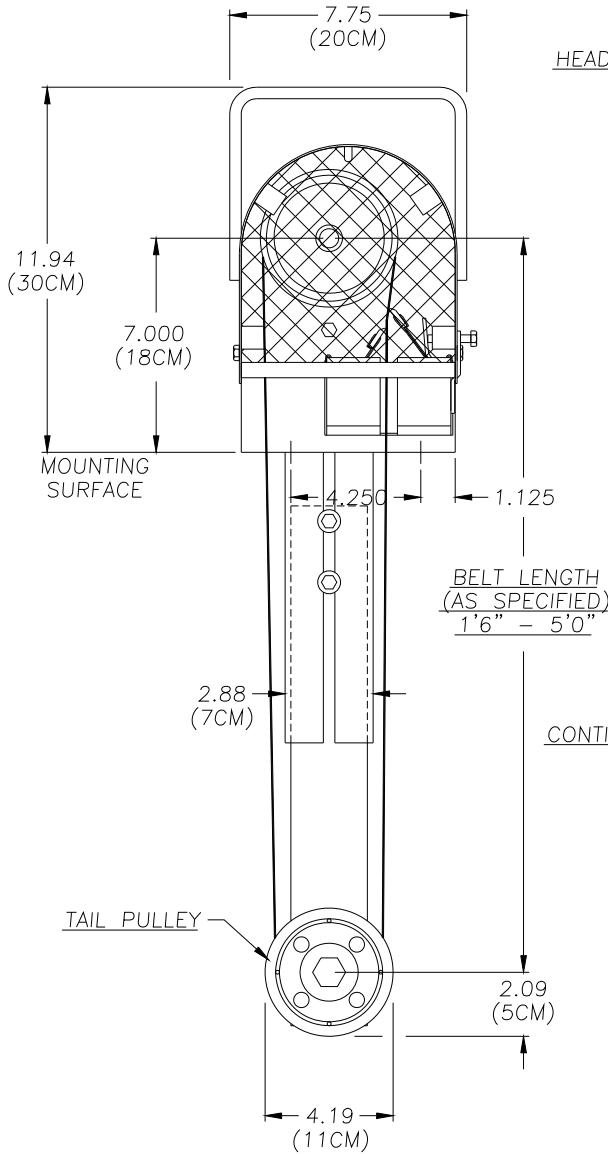
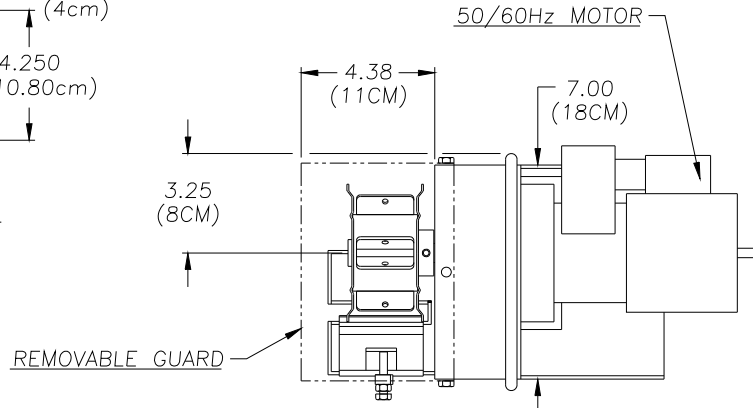
STEEL BELT SHOWN ELAST. OR POLY BELT

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REV	DESCRIPTION	DATE	APPROVED	DECIMALS .XX ± .05 ANGULAR .XXX ± .010 DO NOT SCALE DRAWING		
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					PRINT ISSUED ON: 02/18/98	SCALE: —
					DATE: 12/17/96	REV: 1
						SHEET 1 of 1

7/16" x .75 SLOT THRU
2 PLACES



MOUNTING FOOTPRINT (7.6cm)



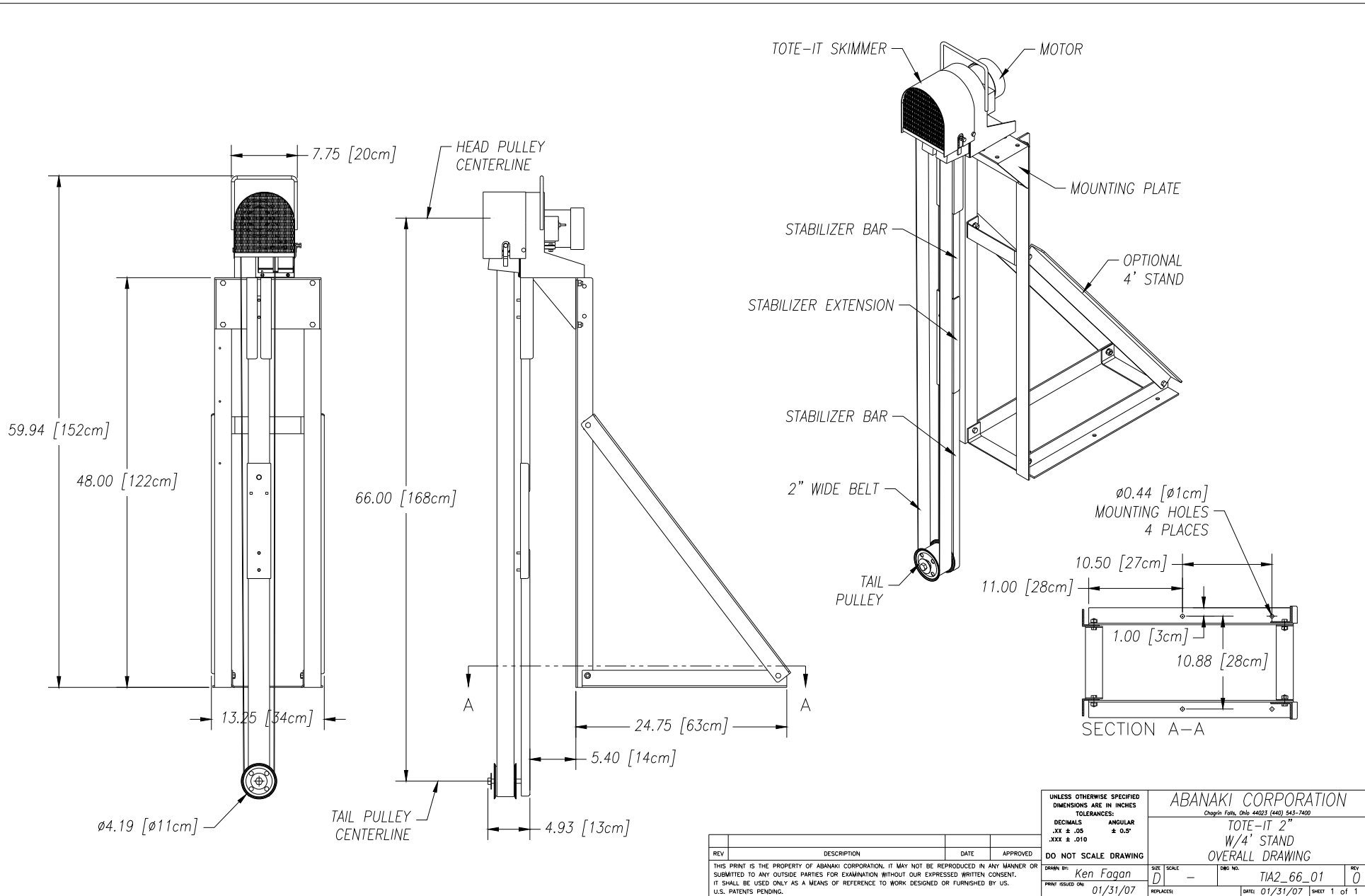
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DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS .XX ± .05
.XXX ± .010
ANGULAR ± 0.5°
DO NOT SCALE DRAWING

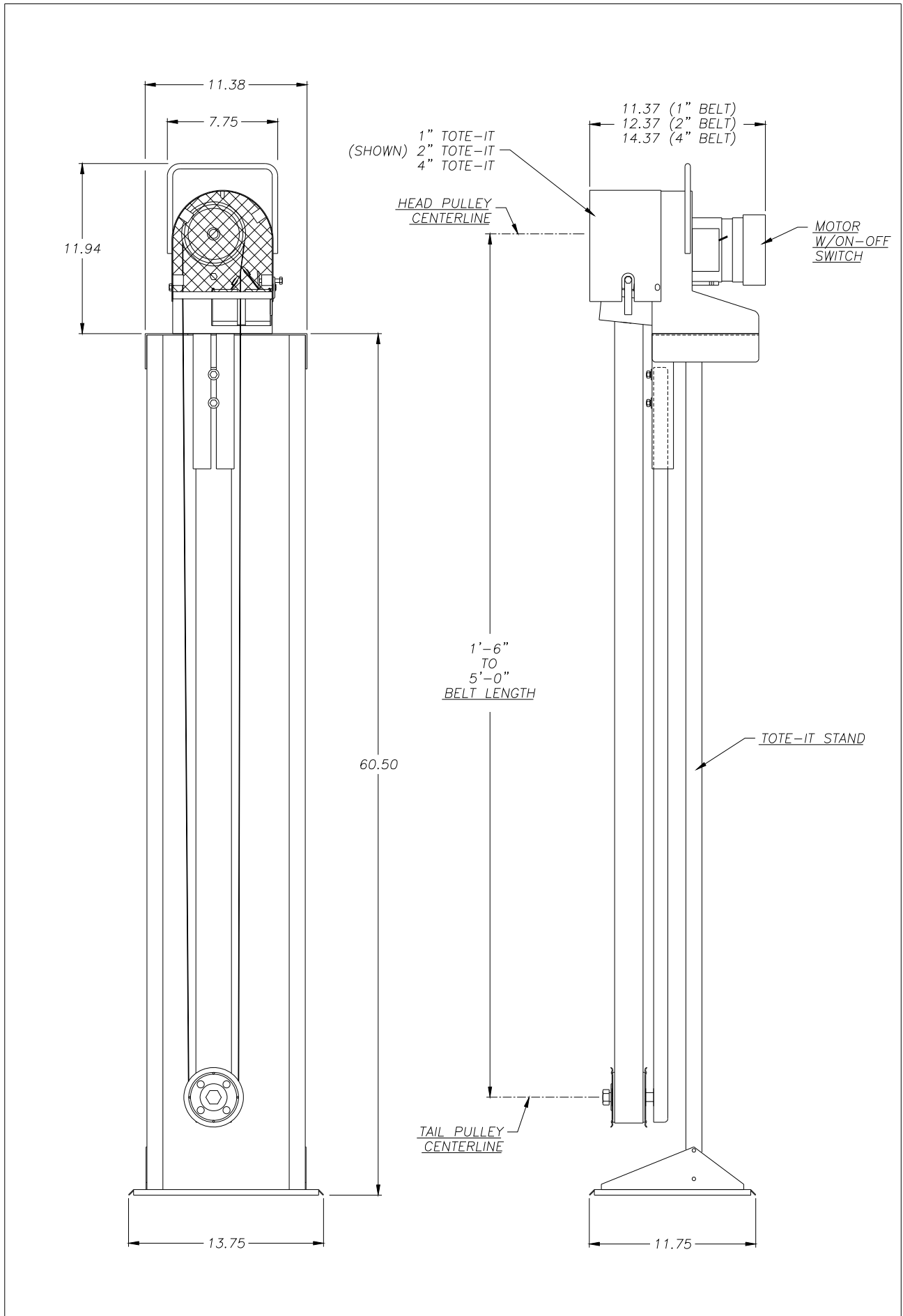
TOTE-IT 2" OIL SKIMMER
50/60Hz MOTOR
OVERALL DRAWING

ABANAKI CORPORATION		Chagrin Falls, Ohio 44123 (440) 543-7400	
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DATE	06/16/97	SHEET	1 of 1

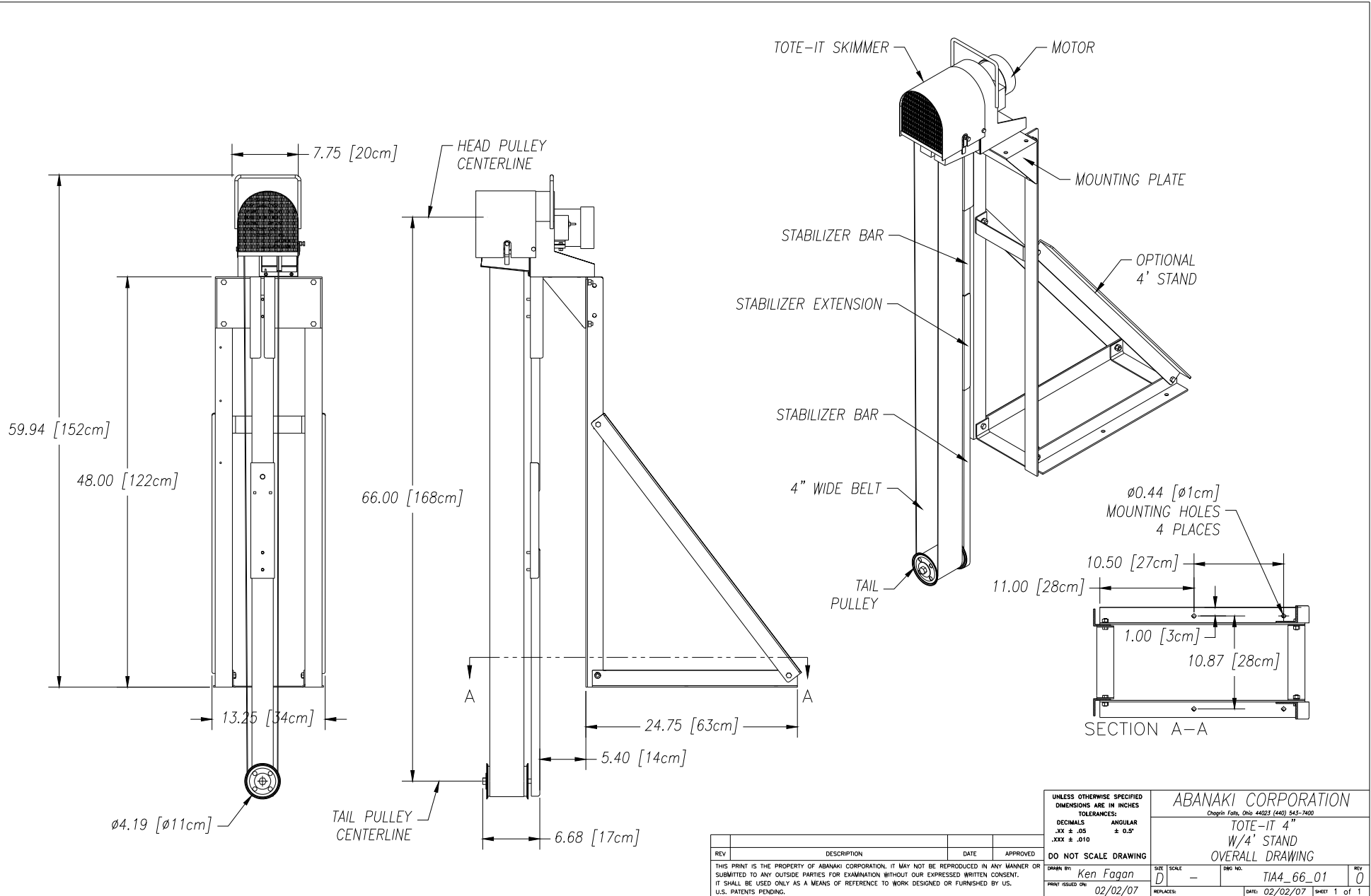
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES:		ABANAKI CORPORATION Chapin Falls, Ohio 44023 (440) 543-7400	
DECIMALS .XX ± .05 .XXX ± .010	ANGULAR ± 0.5°	TOTE-IT 2" W/4' STAND OVERALL DRAWING	
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REV	DESCRIPTION	DATE	APPROVED	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES:	TOTE-IT STORAGE STAND 1", 2" & 4" OVERALL DRAWING		ABANAKI CORPORATION Chagrin Falls, Ohio 44023 (216) 543-7400	
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DO NOT SCALE DRAWING						PRINT ISSUED ON: 01/16/97	DATE: 01/16/97	SHEET: 1 of 1

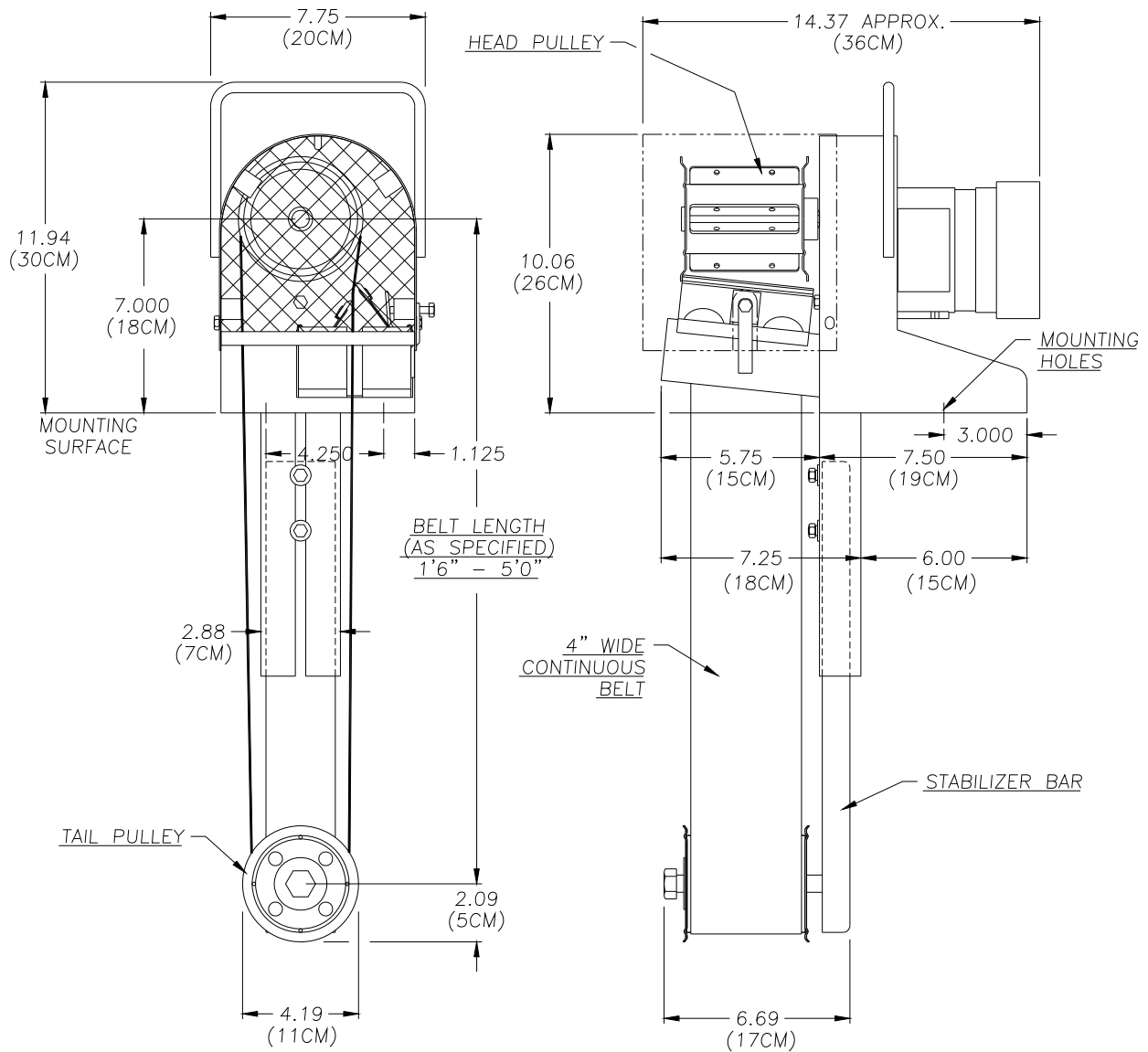
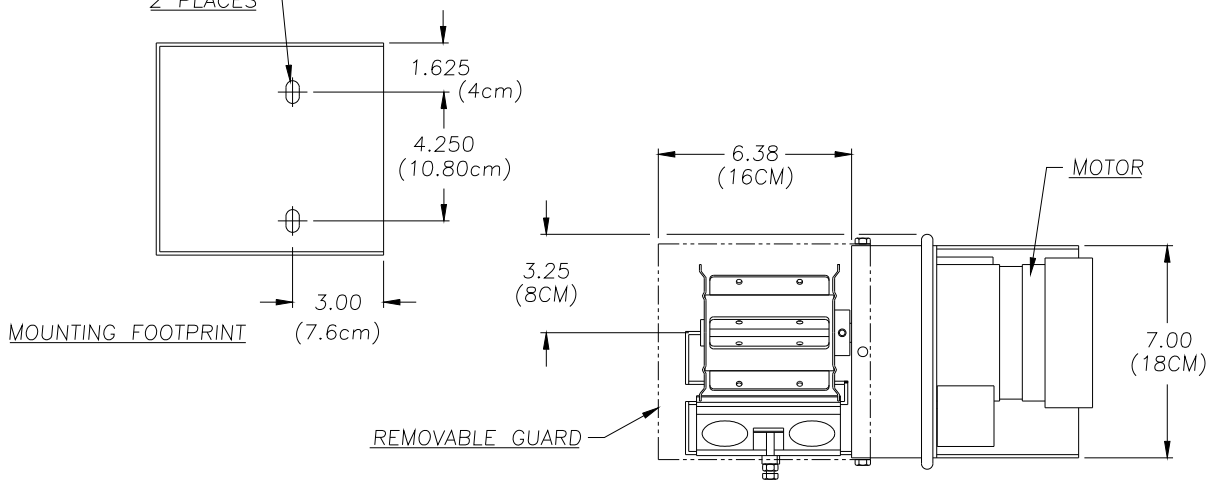


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ABANAKI CORPORATION Chopin Falls, Ohio 44023 (440) 345-7400	
TOLERANCES:		TOTE-IT 4' W/4' STAND OVERALL DRAWING	
DECIMALS	ANGULAR	SIZE	DWG NO.
.XX ± .05	± 0.5°	D	TIA4_66_01
.XXX ± .010		SCALE	REV
DO NOT SCALE DRAWING		REPLACES	0
DRAWN BY: Ken Fagan		DATE: 02/02/07	SHEET 1 of 1
PRINT ISSUED ON: 02/02/07			

REV	DESCRIPTION	DATE	APPROVED

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7/16" x .75 SLOT THRU
2 PLACES



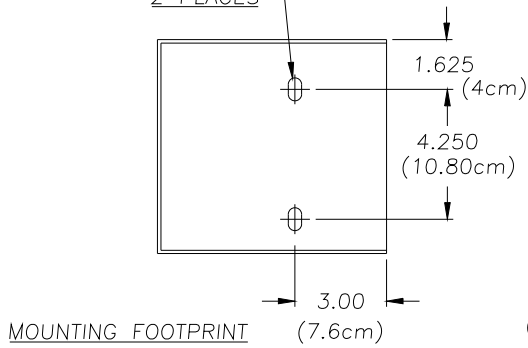
TAIL PULLEY CLEARANCE:
4.75" x 7.25" RECTANGLE OPENING
OR
8.50" DIA. OPENING

1	ADDED MOUNTING FOOTPRINT	02/18/98			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: DECIMALS .XX ± .05 ANGULAR .XXX ± .010 DO NOT SCALE DRAWING	TOTE-IT 4" OIL SKIMMER OVERALL DRAWING	DRAWN BY: Ken Fagan PRINT ISSUED ON: 02/18/98	SIZE: D SCALE: — DATE: 12/17/96	DWG NO.: T14-DIM 1 of 1	REV: 1
REV	DESCRIPTION	DATE	APPROVED							

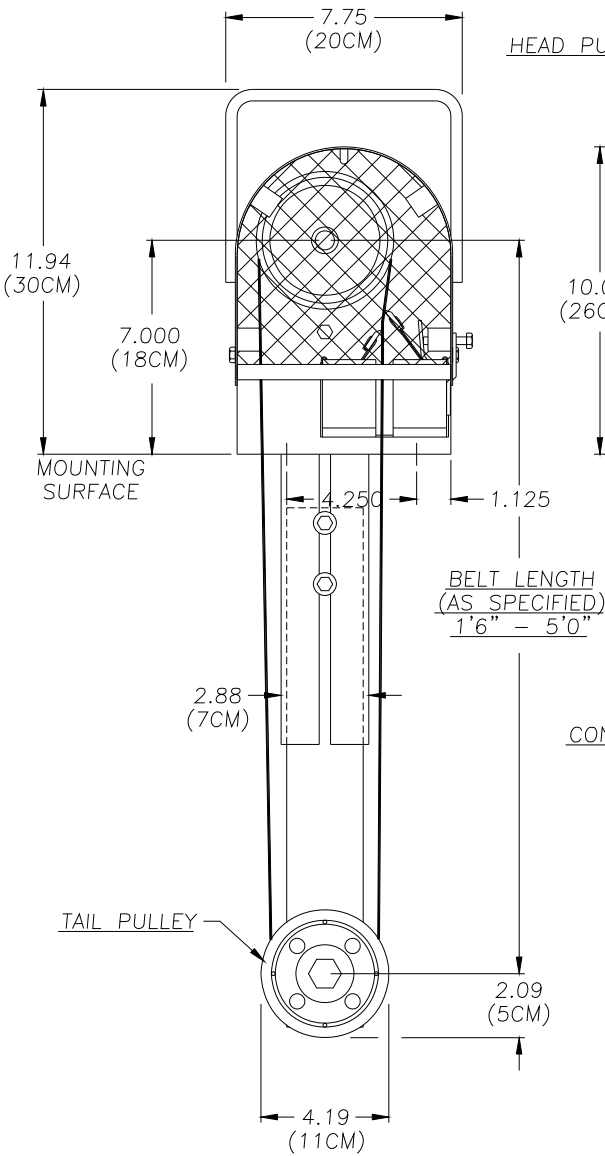
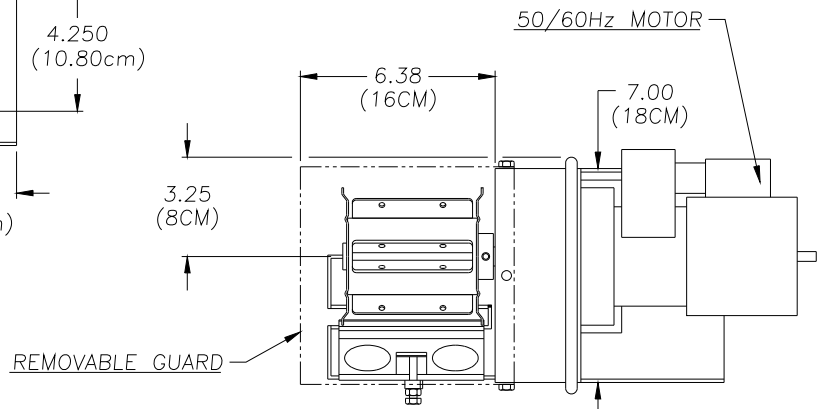
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Chopin Falls, Ohio 44023 (440) 543-7400

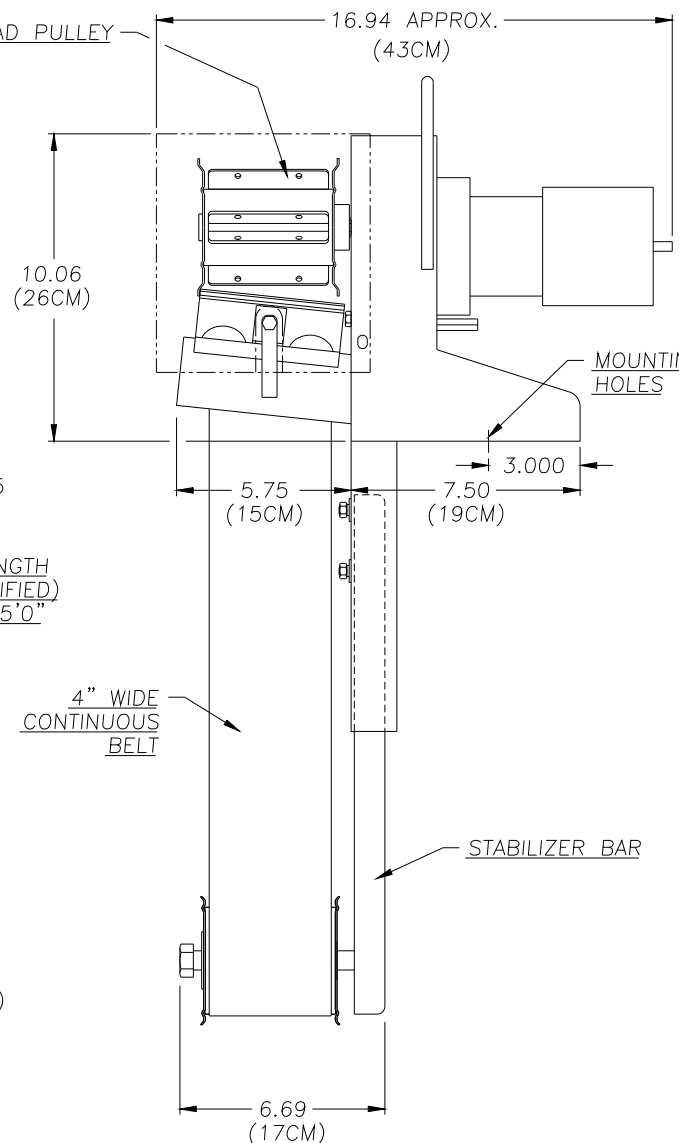
7/16" x .75 SLOT THRU
2 PLACES



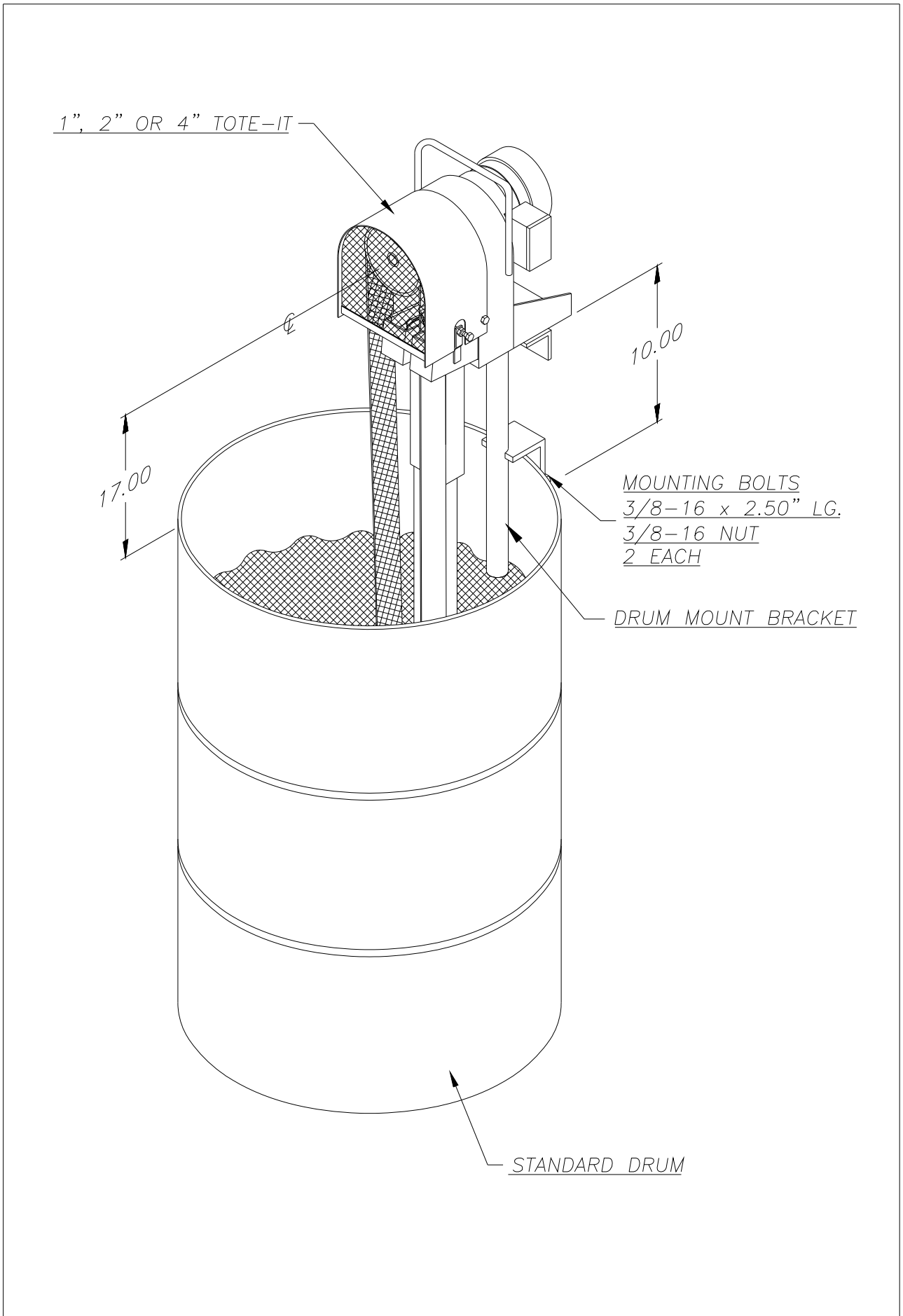
MOUNTING FOOTPRINT



HEAD PULLEY



1	ADDED MOUNTING FOOTPRINT	02/18/98		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES:	TOTE-IT 4" OIL SKIMMER	ABANAKI CORPORATION			
REV	DESCRIPTION	DATE	APPROVED	DECIMALS .XX ± .05	50/60Hz MOTOR	SIZE D	SCALE -	DWG NO. T14D-DIM	REV 1
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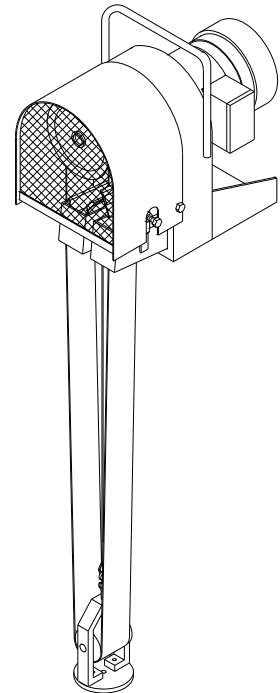


REV	DESCRIPTION	DATE	APPROVED	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: DECIMALS ANGULAR .XX ± .05 ± 0.5° .XXX ± .010 DO NOT SCALE DRAWING	1", 2" OR 4" TOTE-IT DRUM MOUNT ASS'Y DRAWING	DRAWN BY: <i>Ken Fagan</i> PRINT ISSUED ON: <i>12/31/96</i>	SIZE: <i>D</i> SCALE: <i>-</i> DWG NO.: <i>TI-DRMT</i>	REV: <i>0</i> SHEET: 1 of 1
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PetroXtractor[®] Well Oil Skimmer: 1", 2", 4" Belts

Quick Summary:

For oil removal applications requiring access through a 2", 4" or 6" well casing, the PetroXtractor offers a versatile solution. Capable of skimming hydrocarbon contaminants from your well, the PetroXtractor can be configured for both a permanent or portable skimming system. With many available mounting arrangements, the PetroXtractor can be mounted nearly anywhere as a complete system or as a stand alone unit. For remote locations or special demands, alternative power requirements and shelters are available. Also available, the PetroXtractor can be mounted underground in a manway, or above ground in a vapor tight enclosure.



Highlights:

1. The 1", 2" or 4" continuous belt is available in center to center lengths of up to 110 feet.
2. Oil discharge is through a 1-1/4" N.P.T. coupling.
3. Weighted P.V.C. tail pulley is designed to retain belt.
4. Fan-cooled fractional horsepower gear motor.
5. A special non-abrasive, non-impact drive system, which adds to belt life.
6. Choice of two different belt materials: LFO "Fuzzy" and Poly.

Quick Chart:

CAP. GAL.	MODEL	BELT WIDTH	BELT LENGTH	STANDARD MOTOR			OPTIONAL MOTOR	
				RPM	VOLTS	PHASE	AIR MOTOR	D.C. MOTOR
3	PX-A	1"	Up to 100 ft.	30 RPM 1.4A	115 60Hz	1 PH	OPT.	OPT.
6	PX-B	2"	Up to 100 ft.	30 RPM 1.4A	115 60Hz	1 PH	OPT.	OPT.
12	PX-C	4"	Up to 100 ft.	30 RPM 1.4A	115 60Hz	1 PH	OPT.	OPT.

Notes:

1. Motors: Additional motors, including explosion proof, are available per customer specification. See motor spec sheet for complete listing of motors.
2. Any listed motor may be used with adapter to gear reducer.
3. Gear Reducers: Various ratios are available upon request, per customer specification. Consult factory for more information.
4. Variable speed control: If air is available, it is the most practical & cost efficient. Variable speed electric's can be furnished, but can be cost prohibitive.
5. Always consult the factory for special applications.

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17387 Munn Road Chagrin Falls, Ohio 44023 U.S.A.

Phone: 1-800-358-SKIM Fax: (440) 543-7404

Skimmer Specification Sheet

PART 1: GENERAL

1.01 Construction

1. Solid welded carbon steel with a baked on powder coat finish. (except as specified below)
2. Color: RAL5005 or equivalent (Dark Blue).
3. Optional: 316 Stainless Steel

1.02 Pulley Types

1. Drive Pulley (Head Pulley)
 - A. Head Pulley with nitrile lagging.
 - B. Additional traction wheel with viton band.
2. Tail Pulley
 - A. P.V.C. housing and pulley; cage type housing with weight per application.

1.03 Motor

1. 1/20H.P. 115 Volt, 60Hz. @ 30 RPM 1.4 Amp shaded pole gear motor, TEFC U.L. and C.S.A. approved.

1.04 Guard

1. Standard steel drive pulley area cover, bolt in place.

1.05 Belt Material and Length

1. Standard Material (1" wide): choice of LFO "Fuzzy" or Poly.
2. Length: As required up to 110'.

1.06 Wiper Blades

1. Standard Material: Hybrid.
 - A. Adjustable wiper: screw type for tensioning, with single wiper insert.
 - B. Fixed: in place to center belt, with single wiper insert.

1.07 Oil Discharge Outlet

1. Dual troughs discharging into a single 1-1/4" N.P.T. coupling.

1.08 Standard Mounting Arrangement

1. Two 7/16" clearance holes for mounting on flat surface.

1.09 Weight and Size

1. Weight of unit with gear motor is 34 lbs. for 1" unit.
2. Overall size of unit: 11-3/8"L x 7-3/4"W x 12"H

1.10 Mounting Requirements

1. Pipe opening size for Tail Pulley: 2" well casing - minimum.
2. Minimum Mounting Height: 12" from base to top of skimmer.

1.11 Power Requirements

1. 3 - prong grounded outlet. Unit comes with 8' cord for standard motor configuration.
2. Optional motors, e.g. explosion proof, are to be hard wired.

1.12 Optional Mounting Arrangements

1. PetroXtractor Stand: 48" tall, for mounting any skimmer, OC-110 Concentrator, and other optional equipment.
2. Drum mount, for operating skimmer and one OC-110 Concentrator on a 55 gallon drum.
3. Below grade mounting in manway.
4. Vapor Tight Enclosure well skimmer system.

Skimmer Specification Sheet

PART 1: GENERAL

1.01 Construction

1. Solid welded carbon steel with a baked on powder coat finish. (except as specified below)
2. Color: RAL5005 or equivalent (Dark Blue).
3. Optional: 316 Stainless Steel

1.02 Pulley Types

1. Drive Pulley (Head Pulley)
 - A. Head Pulley with nitrile lagging.
 - B. Additional traction wheel with viton band.
2. Tail Pulley
 - A. P.V.C. housing and pulley; cage type housing with weight per application.

1.03 Motor

1. 1/20 H.P. 115 Volt, 60Hz. @ 30 RPM 1.4 Amp shaded pole gear motor, TEFC U.L. and C.S.A. approved.

1.04 Guard

1. Standard steel drive pulley area cover, bolt in place.

1.05 Belt Material and Length

1. Standard Material (2" wide): choice of LFO "Fuzzy" or Poly.
2. Length: As required up to 110'.

1.06 Wiper Blades

1. Standard Material: Hybrid.
 - A. Adjustable wiper: screw type for tensioning, with single wiper insert.
 - B. Fixed: in place to center belt, with single wiper insert.

1.07 Oil Discharge Outlet

1. Dual troughs discharging into a single 1-1/4" N.P.T. coupling.

1.08 Standard Mounting Arrangement

1. Two 7/16" clearance holes for mounting on flat surface.

1.09 Weight and Size

1. Weight of unit with gear motor is 34 lbs. for 2" unit.
2. Overall size of unit: 12-3/8"L x 7-3/4"W x 12"H

1.10 Mounting Requirements

1. Pipe opening size for Tail Pulley: 4" well casing - minimum.
2. Minimum Mounting Height: 12" from base to top of skimmer.

1.11 Power Requirements

1. 3 - prong grounded outlet. Unit comes with 8' cord for standard motor configuration.
2. Optional motors, e.g. explosion proof, are to be hard wired.

1.12 Optional Mounting Arrangements

1. PetroXtractor Stand: 48" tall, for mounting any skimmer, OC-110 Concentrator, and other optional equipment.
2. Drum mount, for operating skimmer and one OC-110 Concentrator on a 55 gallon drum.
3. Below grade mounting in manway.
4. Vapor Tight Enclosure well skimmer system.

Skimmer Specification Sheet

PART 1: GENERAL

1.01 Construction

1. Solid welded carbon steel with a baked on powder coat finish. (except as specified below)
2. Color: RAL5005 or equivalent (Dark Blue).
3. Optional: 316 Stainless Steel

1.02 Pulley Types

1. Drive Pulley (Head Pulley)
 - A. Head Pulley with nitrile lagging.
 - B. Additional traction wheel with viton band.
2. Tail Pulley
 - A. P.V.C. housing and pulley; cage type housing with weight per application.

1.03 Motor

1. 1/20 H.P. 115 Volt, 60Hz. @ 30 RPM 1.4 Amp shaded pole gear motor, TEFC U.L. and C.S.A. approved.

1.04 Guard

1. Standard steel drive pulley area cover, bolt in place.

1.05 Belt Material and Length

1. Standard Material (4" wide): choice of LFO "Fuzzy" or Poly.
2. Length: As required up to 110'.

1.06 Wiper Blades

1. Standard Material: Hybrid.
 - A. Adjustable wiper: screw type for tensioning, with single wiper insert.
 - B. Fixed: in place to center belt, with single wiper insert.

1.07 Oil Discharge Outlet

1. Dual troughs discharging into a single 1-1/4" N.P.T. coupling.

1.08 Standard Mounting Arrangement

1. Two 7/16" clearance holes for mounting on flat surface.

1.09 Weight and Size

1. Weight of unit with gear motor is 36 lbs. for 4" unit.
2. Overall size of unit: 14-3/8"L x 7-3/4"W x 12"H

1.10 Mounting Requirements

1. Pipe opening size for Tail Pulley: 6" well casing - minimum.
2. Minimum Mounting Height: 12" from base to top of skimmer.

1.11 Power Requirements

1. 3 - prong grounded outlet. Unit comes with 8' cord for standard motor configuration.
2. Optional motors, e.g. explosion proof, are to be hard wired.

1.12 Optional Mounting Arrangements

1. PetroXtractor Stand: 48" tall, for mounting any skimmer, OC-110 Concentrator, and other optional equipment.
2. Drum mount, for operating skimmer and one OC-110 Concentrator on a 55 gallon drum.
3. Below grade mounting in manway.
4. Vapor Tight Enclosure well skimmer system.

ABANAKI

Electric Motor List

PetroXtractor[®]:1", 2", 4" Belt Units

Standard gear motor 60 Hz:

1/20 H.P. 1 PH 60 Hz TEFC
30 RPM
115 Volt
1.4 Amp

Optional 50Hz gear motor:

1/15 H.P. 1 PH 60/50 Hz TEFC
15/12.5 RPM
115/230 - 110/220 Volt
1.3/.65 - 1.2/.61 Amp

Optional Explosion-Proof Motors 50 & 60 Hz:

Note: These are 56 C-Face motors

1/3 H.P. 1 PH 60 Hz EXP.
1725 RPM 56 C-Face
115/208-230 Volt
6 / 3.2 / 3 Amp

1/3 H.P. 3 PH 60 Hz EXP.
1725 RPM 56 C-Face
208-230/460 Volt
1.8 / 1.6 / .8 Amp

1/2 H.P. 3 PH 50 Hz EXP.
1425 RPM 56 C-Face
220/380/440 Volt
2 / 1.2 / 1 Amp

1/2 H.P. 1 PH 50 Hz EXP.
1425 RPM 56 C-Face
110/220 Volt
7.2 / 3.6 Amp

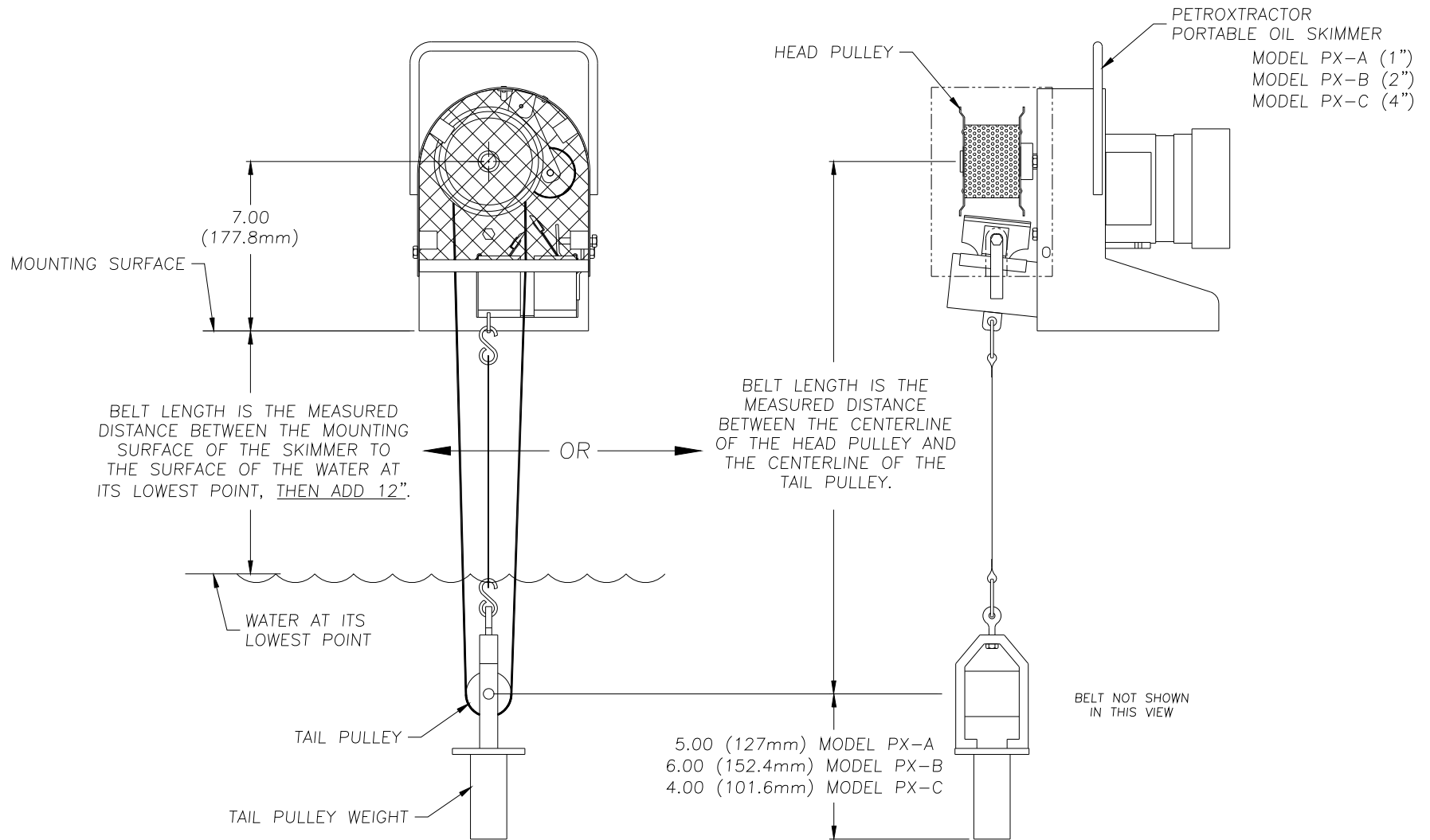
Optional 575 Volt Motors

1/3 H.P. 3 PH 60 Hz TEFC
1725 RPM 56 C-Face
575 Volt
.64 Amp

1/2 H.P. 3 PH 60Hz EXP.
1725 RPM 56 C-Face
575 Volt
.9 Amp

1/2 H.P. 3PH 60Hz TEFC
1725 RPM 56 C-Face
575 Volt
.8 Amp

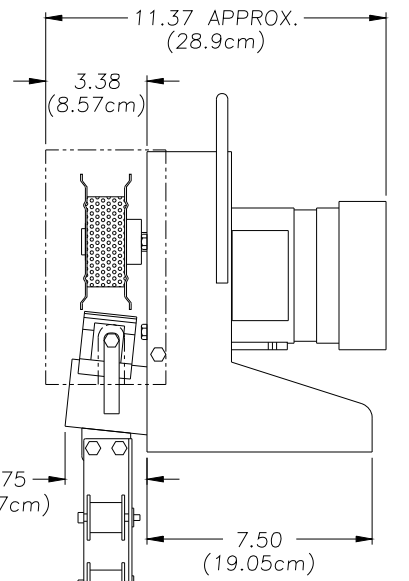
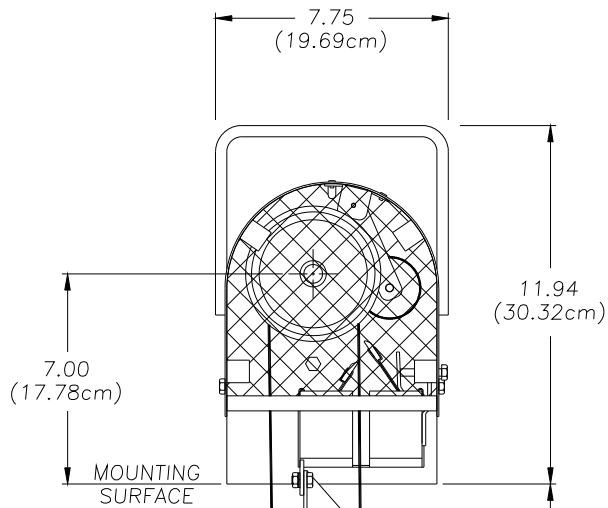
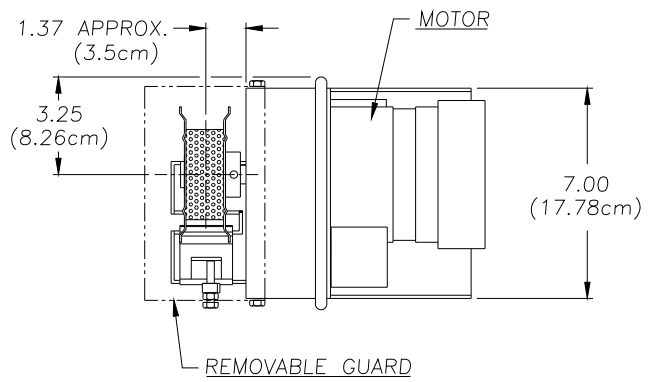
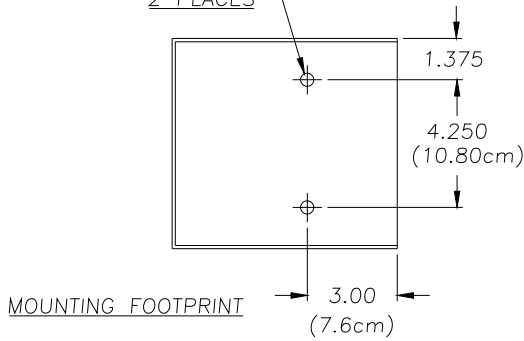
- Gear Reducers: Various ratios are available upon request, per customer specification. Consult factory for more information. Some of the available ratios are 50:1, 75:1, 150:1, 300:1.



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES:		ABANAKI CORPORATION Chagrin Falls, Ohio 44023 (440) 543-7400	
DECIMALS	ANGULAR	PETROTRACTOR PORTABLE OIL SKIMMER BELT LENGTH LAYOUT DRAWING	
.XX ± .05	± 0.5°		
.XXX ± .010			
DO NOT SCALE DRAWING		SIZE	REV
DRAWN BY: Ken Fagan		D	0
PRINT ISSUED ON: 12/14/98		DATE:	12/14/98
		SHEET	1 of 1

REV	DESCRIPTION	DATE	APPROVED
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7/16" DIA. THRU HOLE
2 PLACES



2.00" WELL CASING
MINIMUM

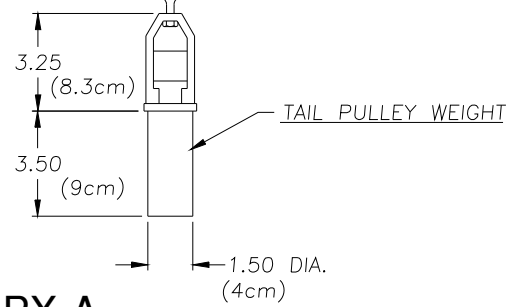
1" WIDE CONTINUOUS BELT
STD. LENGTH 5'-0"
OPTIONAL LENGTHS
UP TO 100'

RETAINING CABLE

TAIL PULLEY

1.75 DIA.
(4.4cm)

(BELT NOT SHOWN)



MODEL PX-A

2	ADDED MOUNTING FOOTPRINT	01/12/98	
1	UPDATED WEIGHT DIMENSIONS	04/17/97	
REV	DESCRIPTION	DATE	APPROVED
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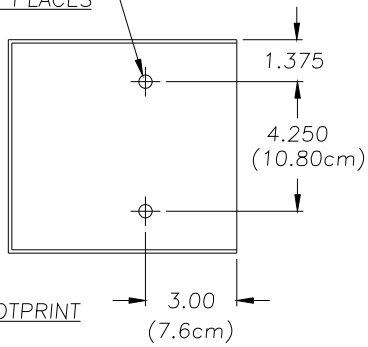
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DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS .XX ± .05
.XXX ± .010
DO NOT SCALE DRAWING

PETROTRACTOR 1"
OVERALL
DRAWING

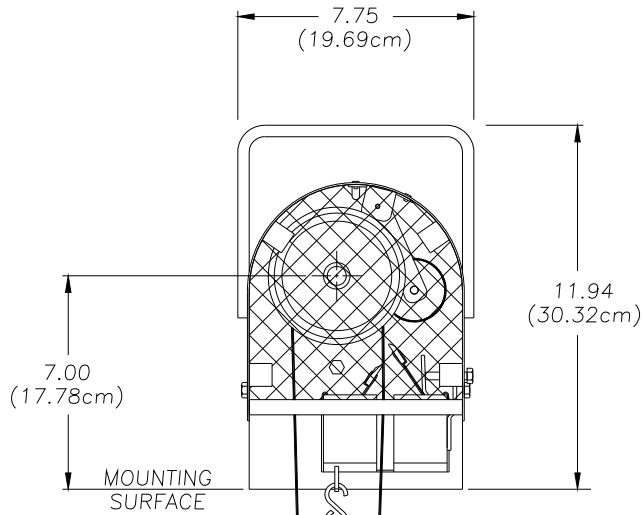
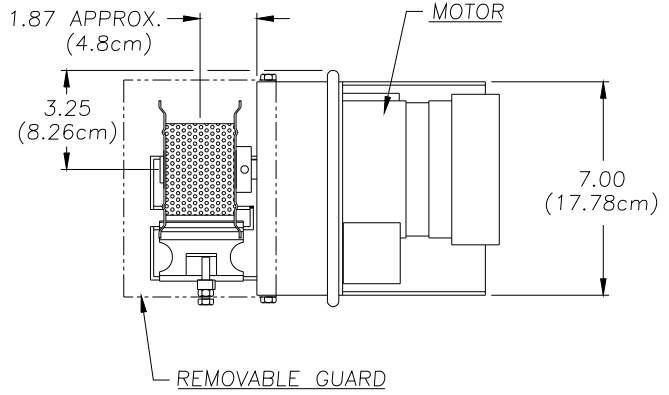
DRAWN BY: Ken Fagan
PRINT ISSUED ON: 01/12/98

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SIZE: D	SCALE: -	ENG. NO.: PET1-DIM	REV: 2
DATE: 10/09/96		SHEET: 1 of 1	

7/16" DIA. THRU HOLE
2 PLACES



MOUNTING FOOTPRINT

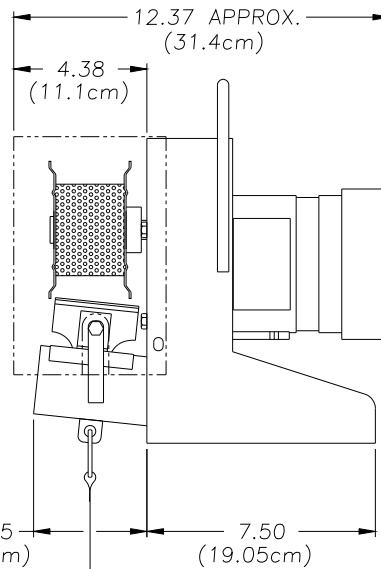


4.00" WELL CASING
MINIMUM

TAIL PULLEY

3.00 DIA.
(7.6cm)

2" WIDE CONTINUOUS BELT
STD. LENGTH 5'-0"
OPTIONAL LENGTHS
UP TO 100'



RETAINING CABLE

(BELT NOT SHOWN)

4.88
(12.4cm)

TAIL PULLEY WEIGHT

3.50
(9cm)

1.50 DIA.
(4cm)

MODEL PX-B

2	ADDED MOUNTING FOOTPRINT	01/12/98	
1	UPDATE WEIGHT DIMENSIONS	04/17/97	
REV	DESCRIPTION	DATE	APPROVED

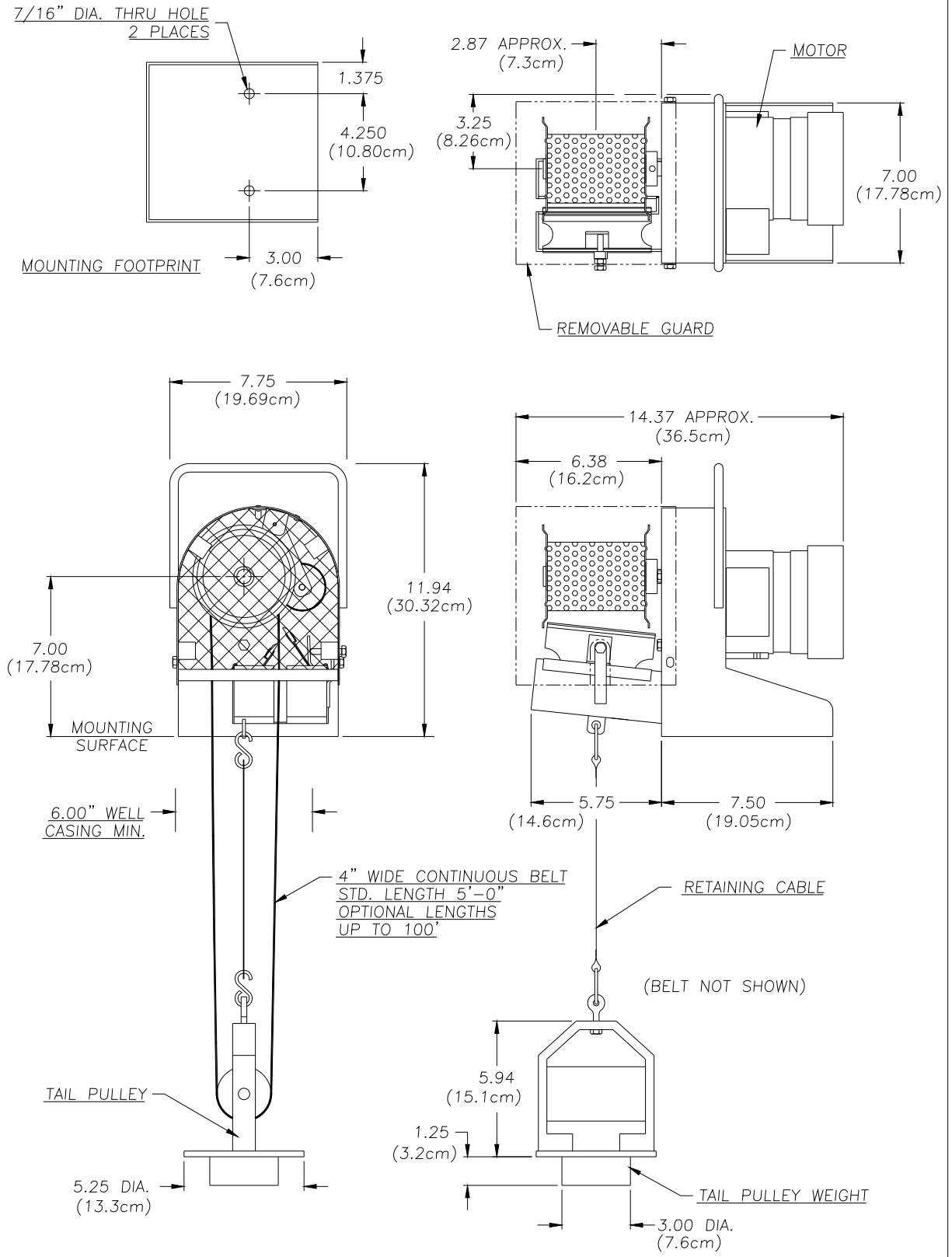
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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS .XX ± .05 ANGLAR ± 0.5°
.XXX ± .010
DO NOT SCALE DRAWING

PETROTRACTOR 2"
OVERALL
DRAWING

DRAWN BY: Ken Fagan
PRINT ISSUED ON: 01/12/98

ABANAKI CORPORATION
17387 Munn Rd., Chagrin Falls, Ohio 44023 (440) 543-7400
SCALE: D
SHEET NO.: PET2-DIM
REV: 2
DATE: 10/09/96 SHEET: 1 of 1



MODEL PX-C

2	ADDED MOUNTING FOOTPRINT	01/12/98	
1	UPDATE WEIGHT DIMENSIONS	04/17/97	
REV	DESCRIPTION	DATE	APPROVED

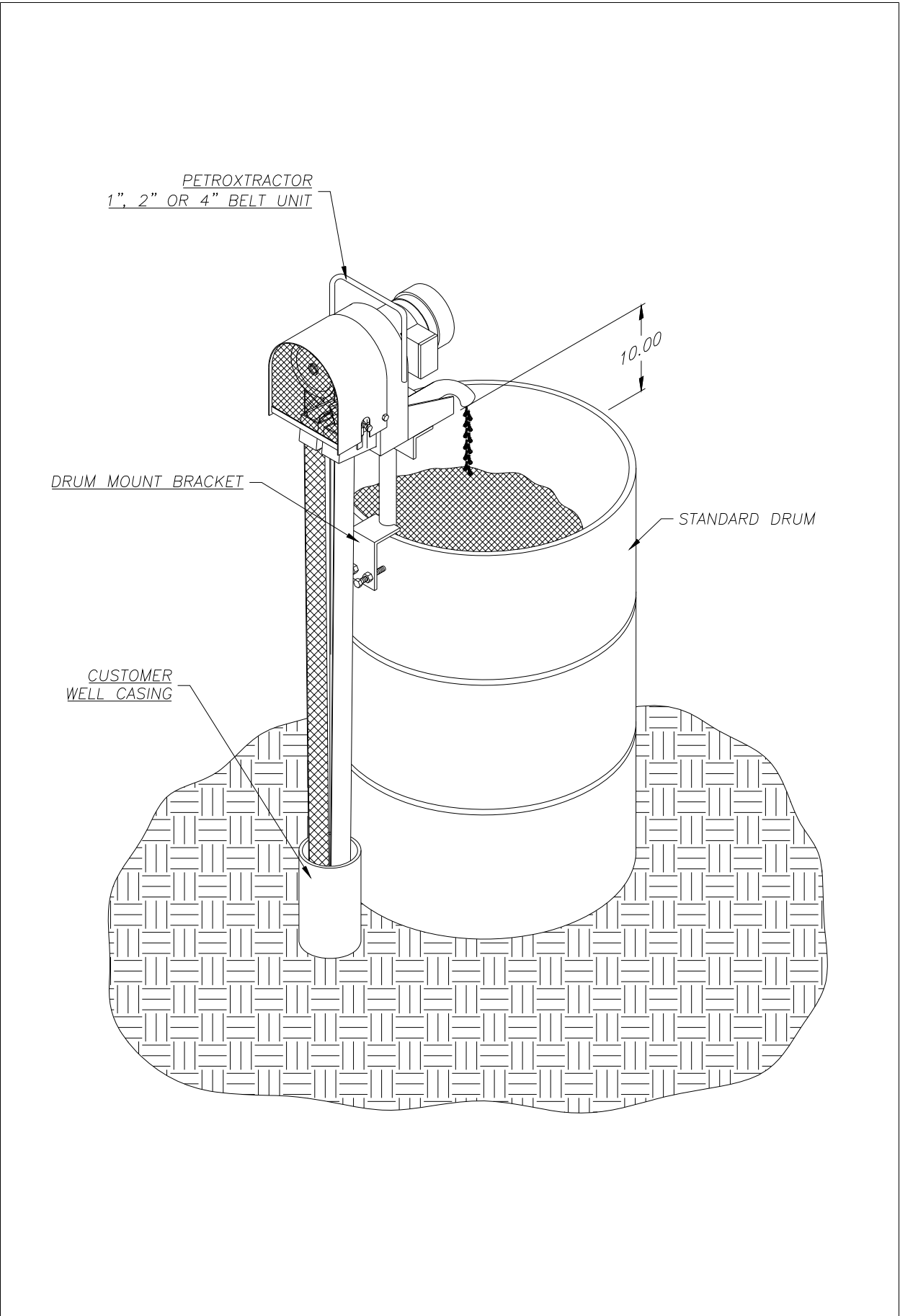
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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS .XX ± .05 ANGULAR ± 0.5°
XXX ± .010
DO NOT SCALE DRAWING

PETROTRACTOR 4"
OVERALL
DRAWING

DRAWN BY: Ken Fagan
PRINT ISSUED ON: 01/12/98

ABANAKI CORPORATION		Chagrin Falls, Ohio 44023 (440) 543-7400	
SIZE	SCALE	DWG NO.	REV
D	-	PET4-DIM	2
DATE	10/09/96	SHEET	1 of 1



PETROTRACTOR
1", 2" OR 4" BELT UNIT

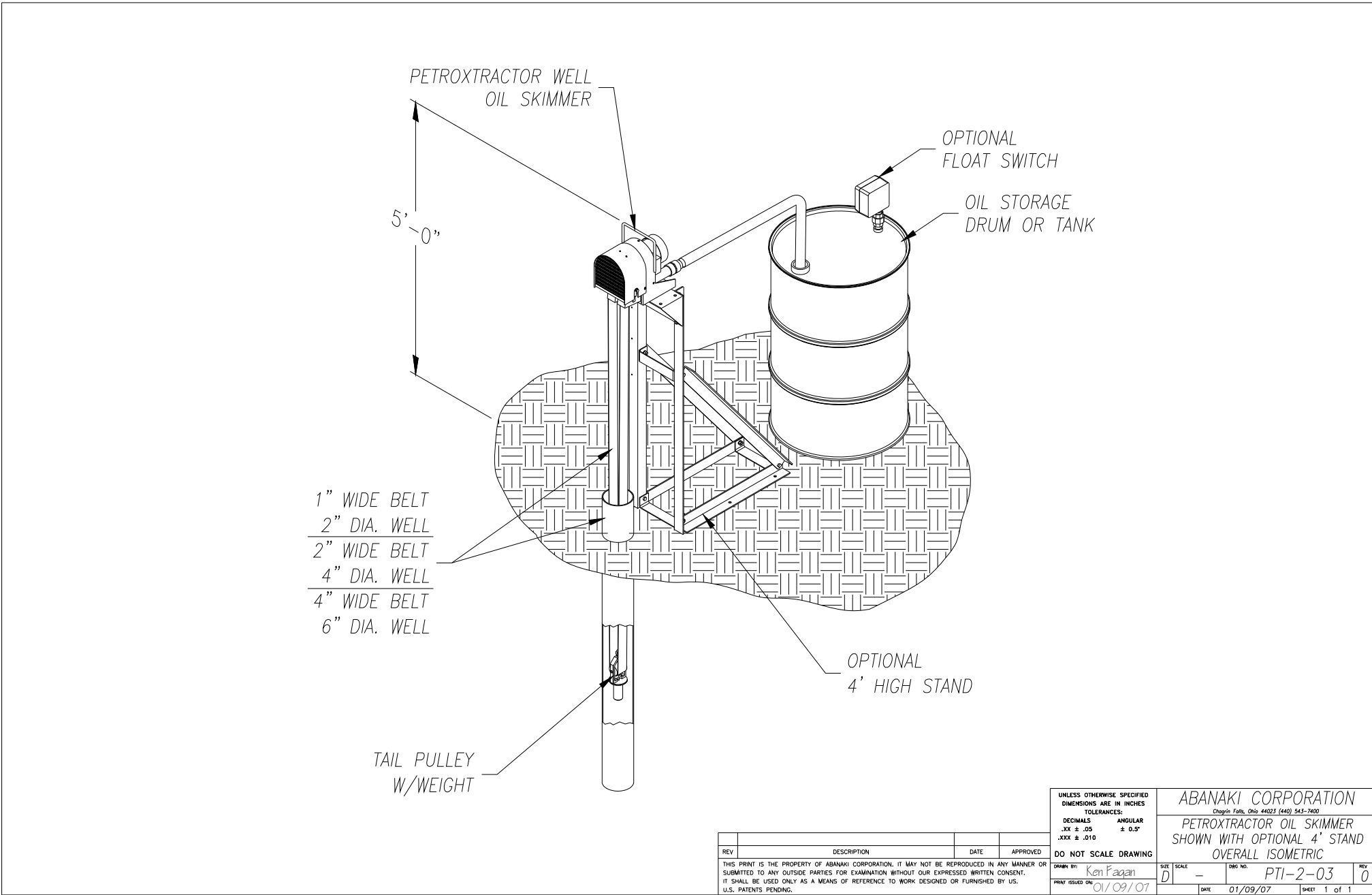
10.00

DRUM MOUNT BRACKET

STANDARD DRUM

CUSTOMER
WELL CASING

REV	DESCRIPTION	DATE	APPROVED	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: DECIMALS .XX ± .05 XXX ± .010 ANGULAR ± 0.5° DO NOT SCALE DRAWING	PETROTRACTOR (PX-A, PX-B, PX-C) DRUM MOUNT ISOMETRIC DRAWING	DRAWN BY: Ken Pagan PRINT ISSUED ON: 06/10/98	ABANAKI CORPORATION Chagrin Falls, Ohio 44023 (440) 543-7400	SIZE: D SCALE: - DATE: 06/10/98	DWG NO.: PT-DRMT4 SHEET: 1 of 1	REV: 0
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1" WIDE BELT
2" DIA. WELL
2" WIDE BELT
4" DIA. WELL
4" WIDE BELT
6" DIA. WELL

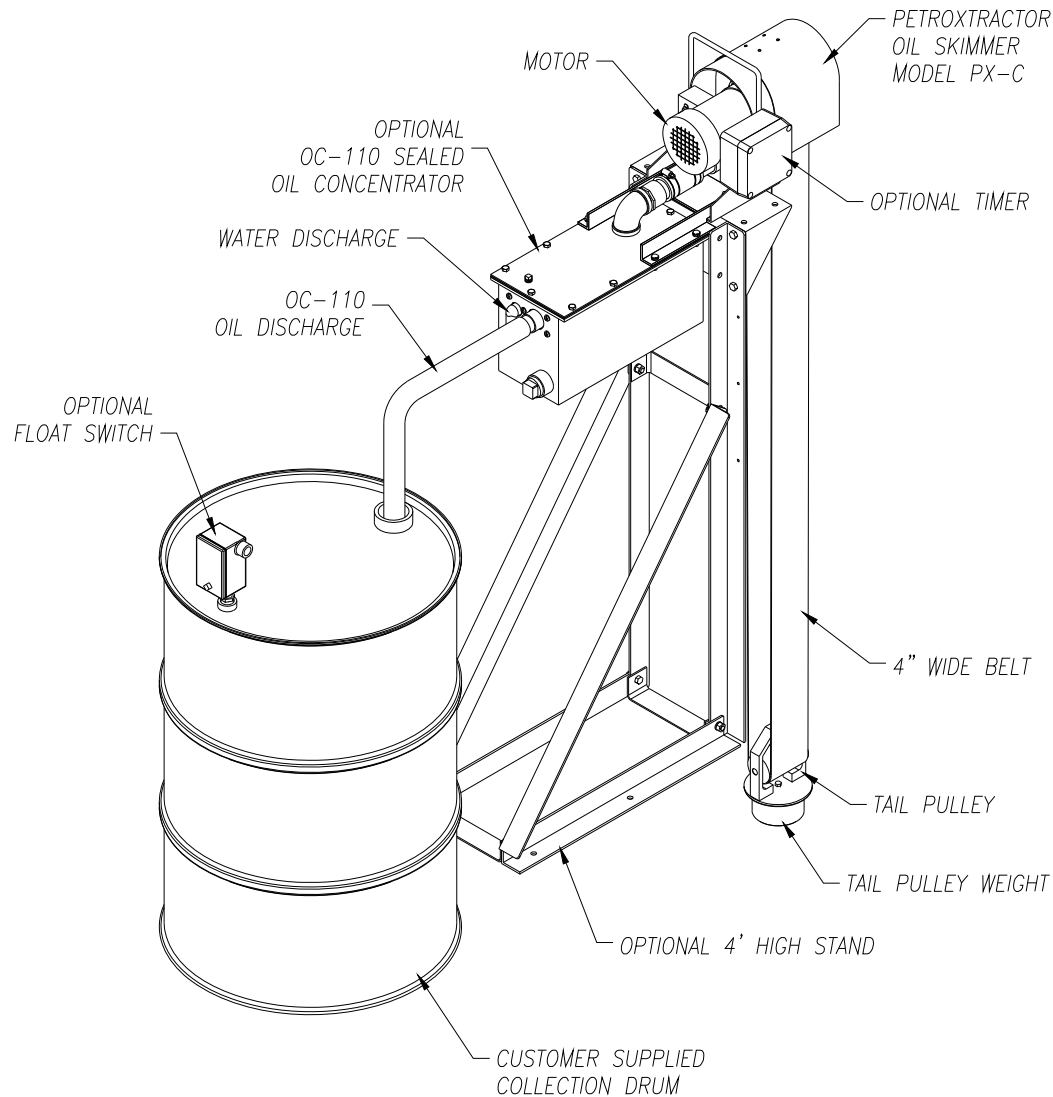
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS .XX ± .05
ANGULAR ± 0.5°
.XXX ± .010

ABANAKI CORPORATION
Chagrin Falls, Ohio 44023 (440) 543-7400
PETROTRACTOR OIL SKIMMER
SHOWN WITH OPTIONAL 4' STAND
OVERALL ISOMETRIC

REV	DESCRIPTION	DATE	APPROVED

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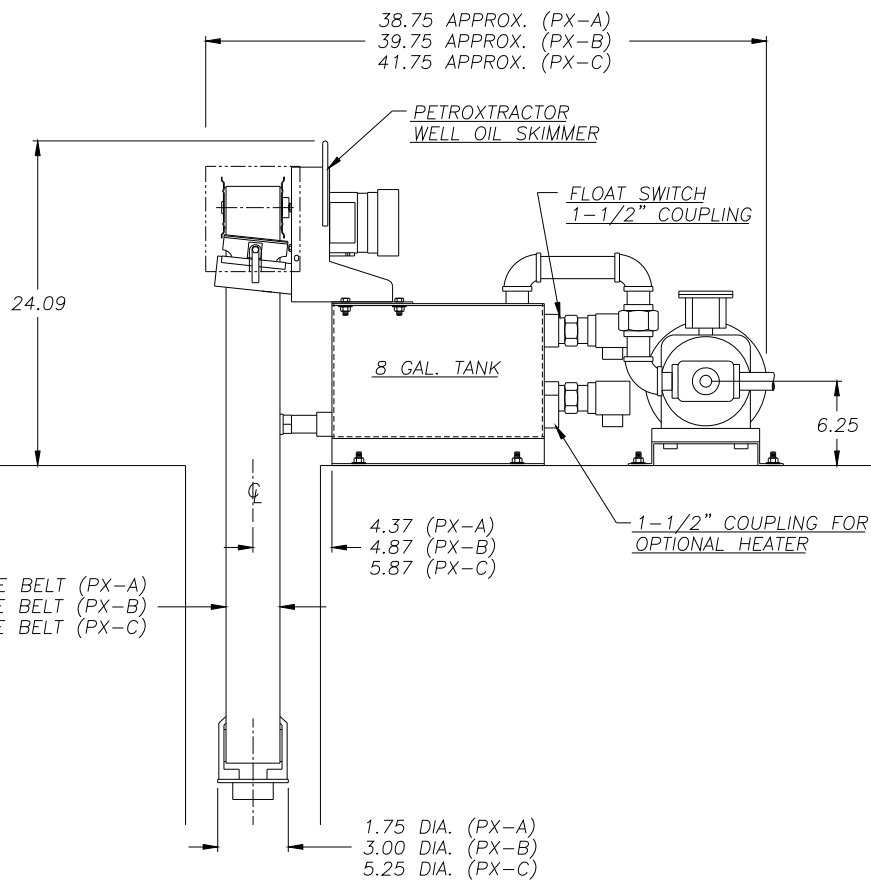
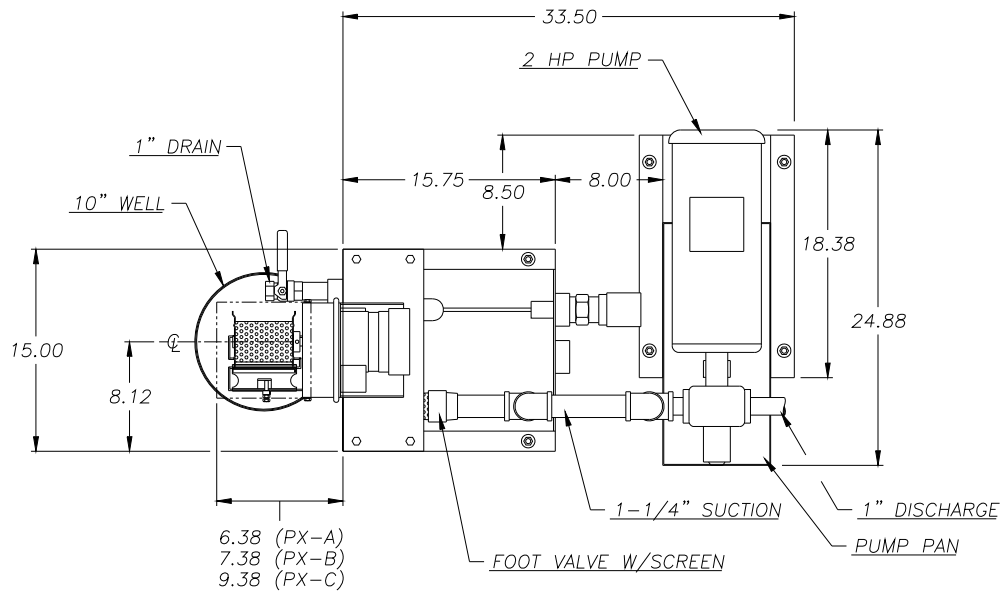
DO NOT SCALE DRAWING	SIZE: D	SCALE: -	DWG. NO.: PTI-2-03	REV: 0
DRAWN BY: Ken Fagan	PRINT ISSUED ON: 01/09/07	DATE: 01/09/07	SHEET: 1 of 1	



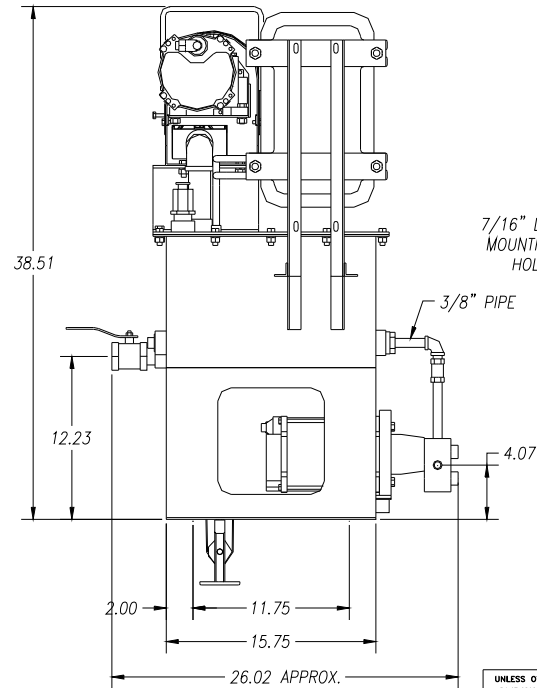
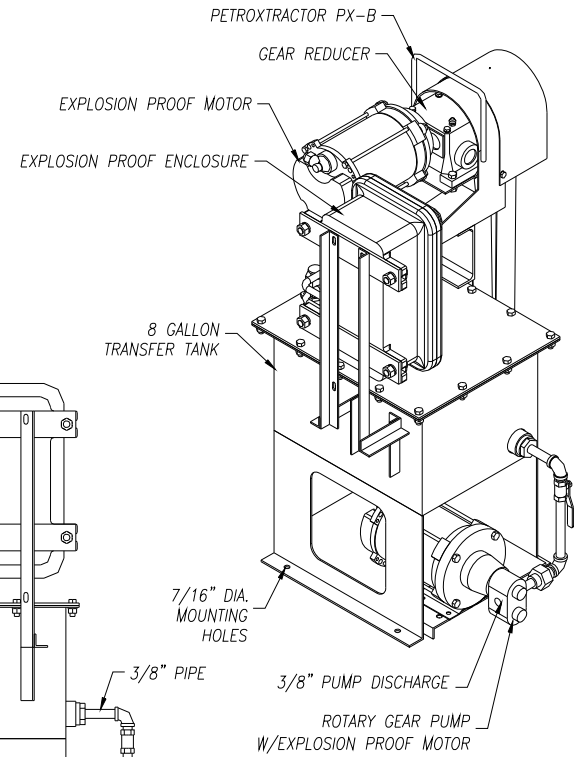
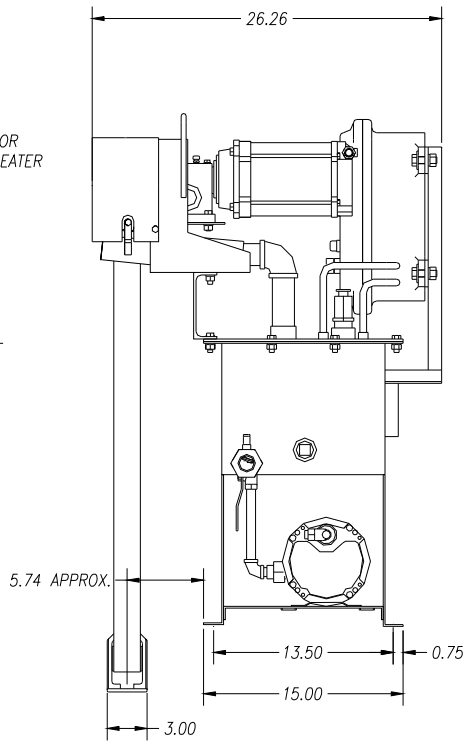
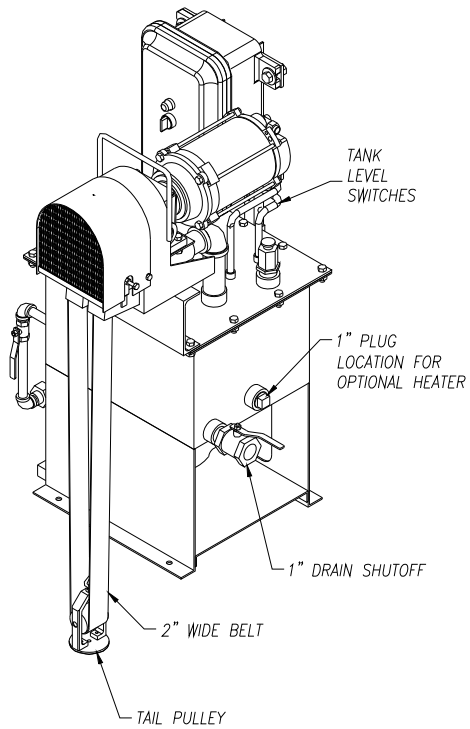
REV	DESCRIPTION	DATE	APPROVED

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ABANAKI CORPORATION <small>Chopin Falls, Ohio 44023 (440) 543-7400</small>	
TOLERANCES:		PETROTRACTOR PX-C W/STAND & OC-110 SEALED OIL CONCENTRATOR OVERALL ISOMETRIC	
DECIMALS	ANGULAR	SIZE	SCALE
.XX ± .05	± 0.5°	D	-
.XXX ± .010		DWG NO.	PETRO4_8
DO NOT SCALE DRAWING		DATE	01/09/07
DRAWN BY: <i>Ken Fagan</i>		SHEET	1 of 1
PRINT ISSUED ON: 01/09/07		REV	0



REV	DESCRIPTION	DATE	APPROVED	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	PETROTRACTOR PX-A, B, C		ABANAKI CORPORATION	
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					DRAWN BY: Ken Fagan	SIZE: D	SCALE: 1" = 1"	DATE: 01/30/98
					PRINT ISSUED ON: 01/30/98	DWG. NO.: WELL-008		REV: 0
					SHEET 1 of 1			



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS ANGULAR
.XX ± .05 ± 0.5°
.XXX ± .010

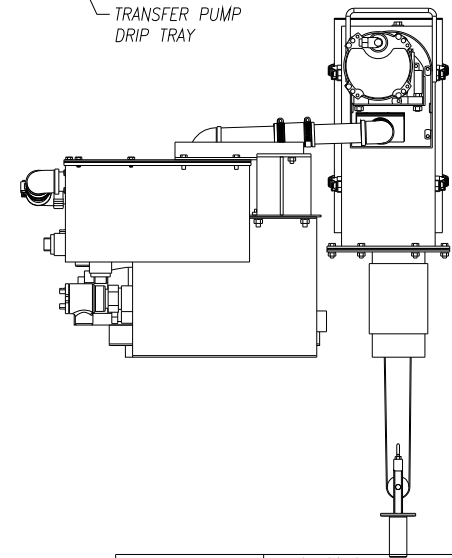
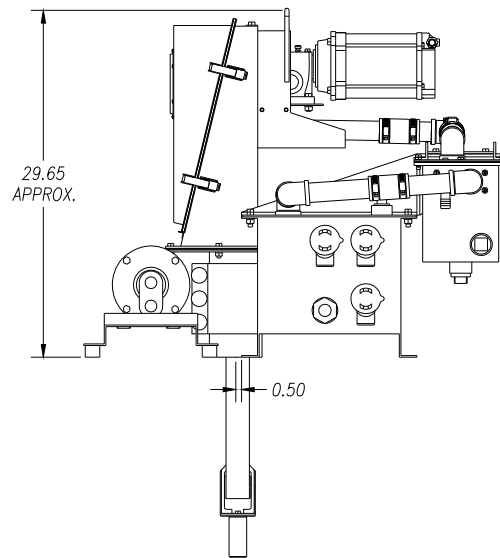
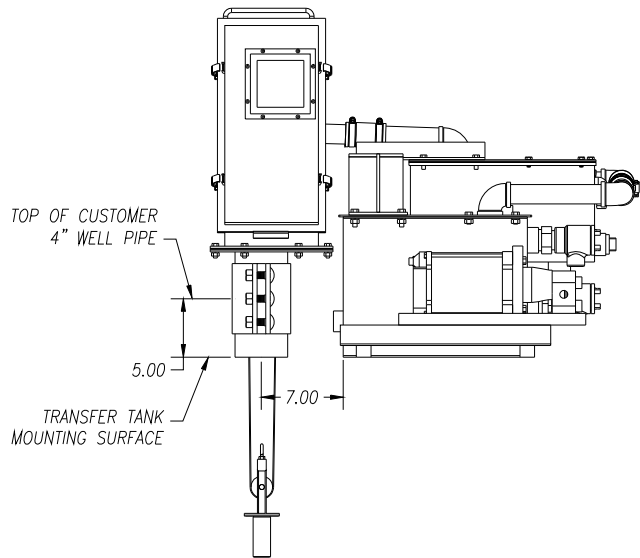
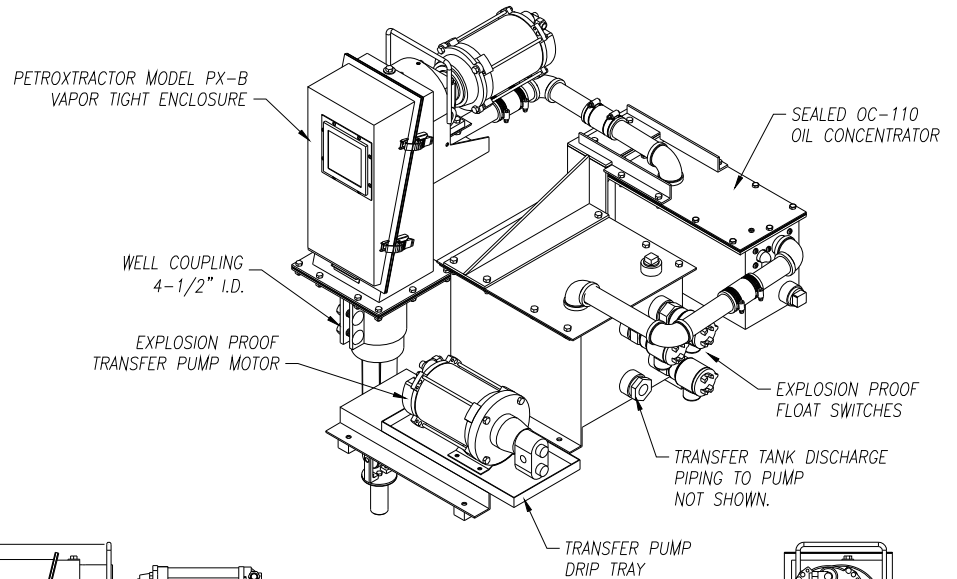
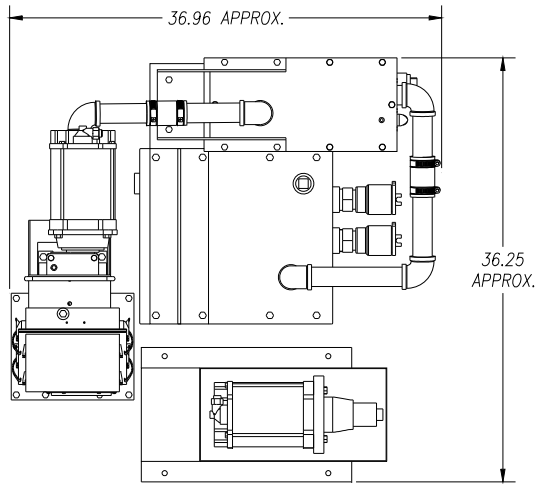
ABANAKI CORPORATION
Chagrin Falls, Ohio 44133 (440) 543-7400
PETROTRACTOR PX-B
EXP. TRANSFER PACKAGE
OVERALL DRAWING

REV	DESCRIPTION	DATE	APPROVED

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DO NOT SCALE DRAWING
DRAWN BY: Ken Fagan
PRINT ISSUED ON: 04/11/00

SIZE SCALE: D -
DWG. NO.: PETR02_4_L2
REV: 0
DATE: 04/11/00 SHEET 1 of 1



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS .XX ± .05 ANGULAR ± 0.5°
.XXX ± .010

ABANAKI CORPORATION
Chagrin Falls, Ohio 44023 (440) 543-7400

**PETROTRACTOR PX-B TRANSFER PACKAGE
W/OC-110 DECANTER & TRANSFER PUMP
OVERALL DRAWING**

REV	DESCRIPTION	DATE	APPROVED

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DO NOT SCALE DRAWING

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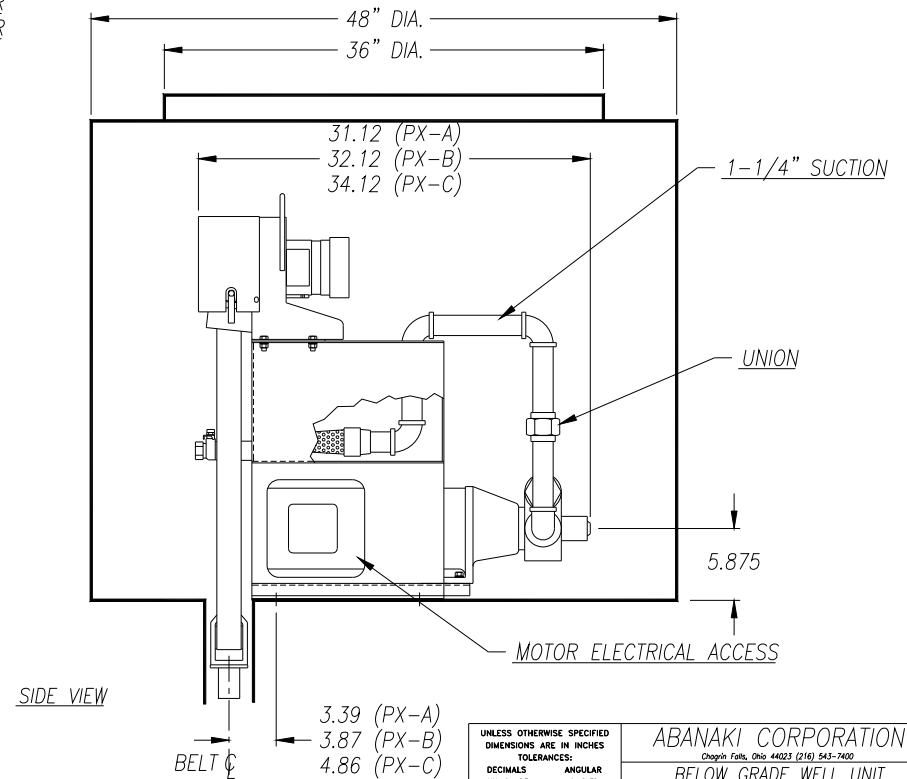
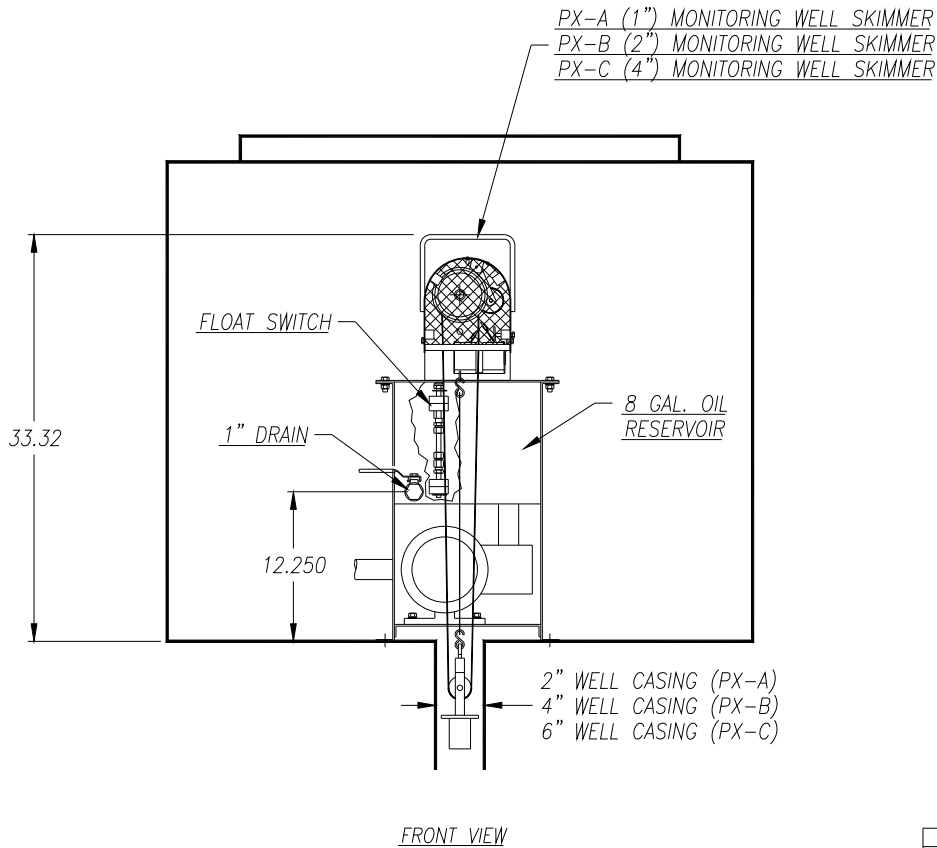
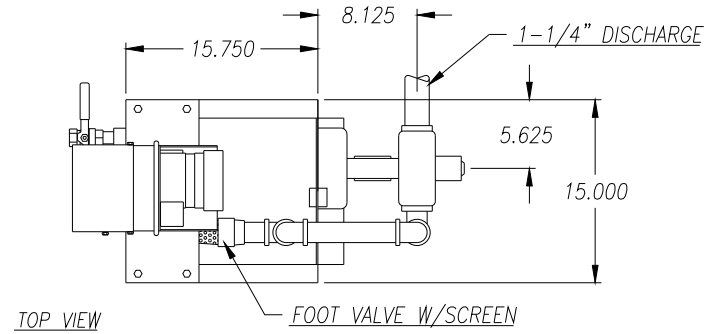
PRINT ISSUED ON: **05/30/01** REPLACES: DATE: **05/30/01** SHEET **1** of **1**

BLACKMER PUMP (XF1P 1-1/2HP)

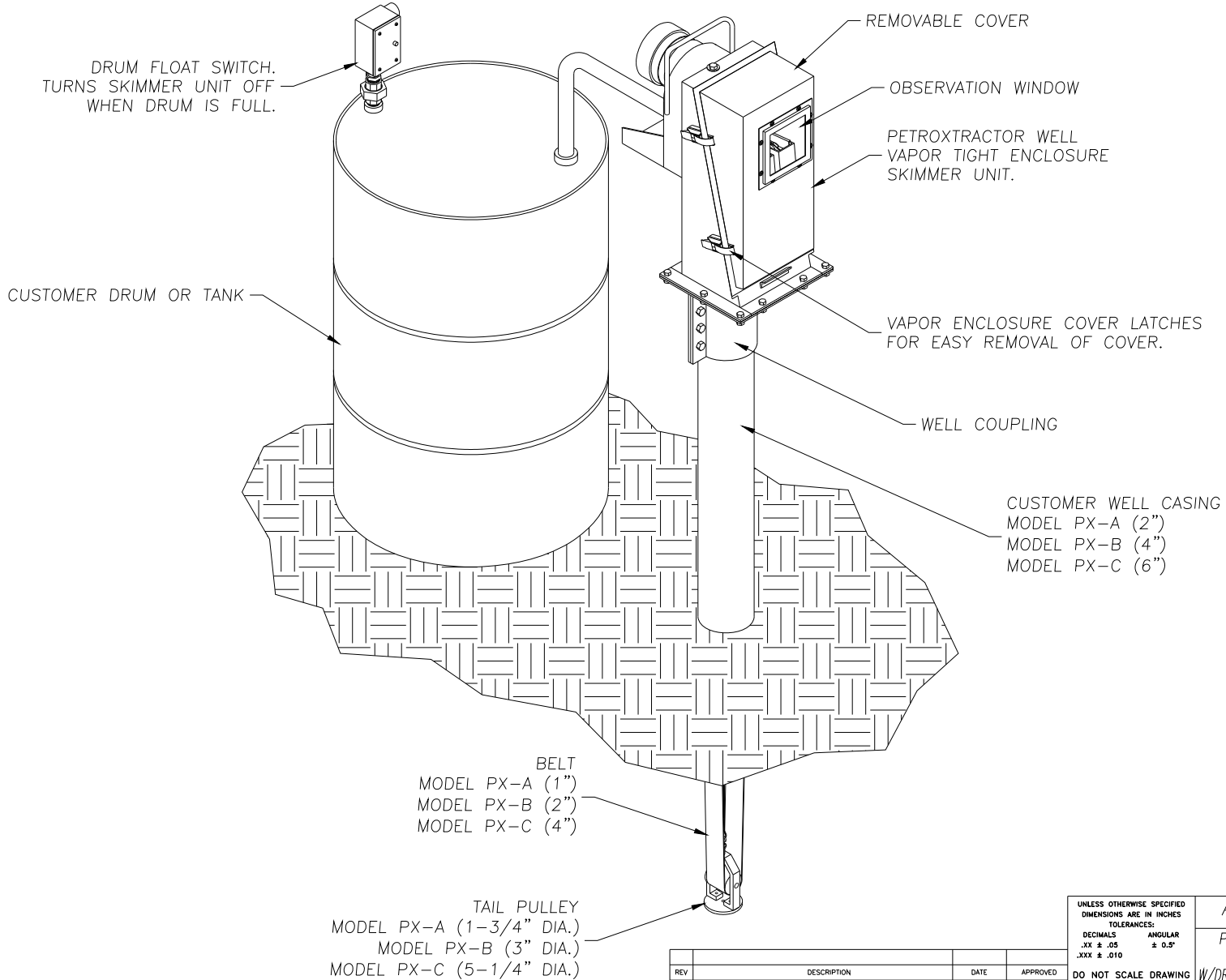
BASE MOUNTED CLOSED COUPLED
 ROTARY VANE PUMP CAST IRON
 HOUSING 1-1/4" NPT INTAKE
 AND DISCHARGE VITON FITTED.
 MECHANICAL SEAL. No XRLF- 1-1/4"
 1-1/2 H.P. TEFC 1PH 60Hz MOTOR
 110-220 VOLT
 PUMP RATED 500 SSU MAX
 15 GPM @ 50 PSI MAX.

NOTES:

1. SKIMMER MOTOR 110 VOLT
 1PH; 60Hz; 1.4 AMP
2. PUMP DISCHARGE PIPE TO STORAGE TANK
 SHOULD BE 1-1/4" FURNISHED BY CUSTOMER
3. REF. DRAWING #WELL-004 FOR TANK DETAIL
4. REF. DRAWING #PHM-25 FOR FLAT MOUNT MOUNTING PLATE
 FOR MOUNTING SKIMMER TO TANK



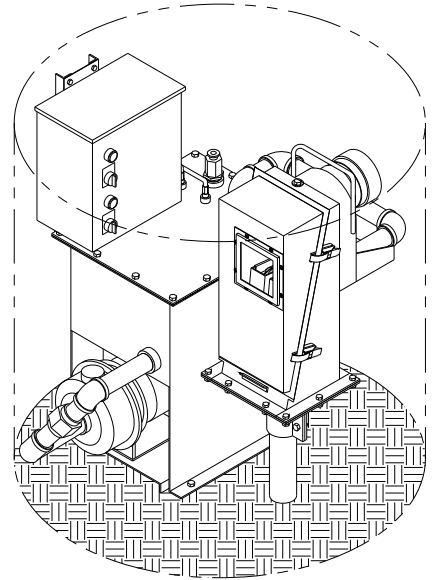
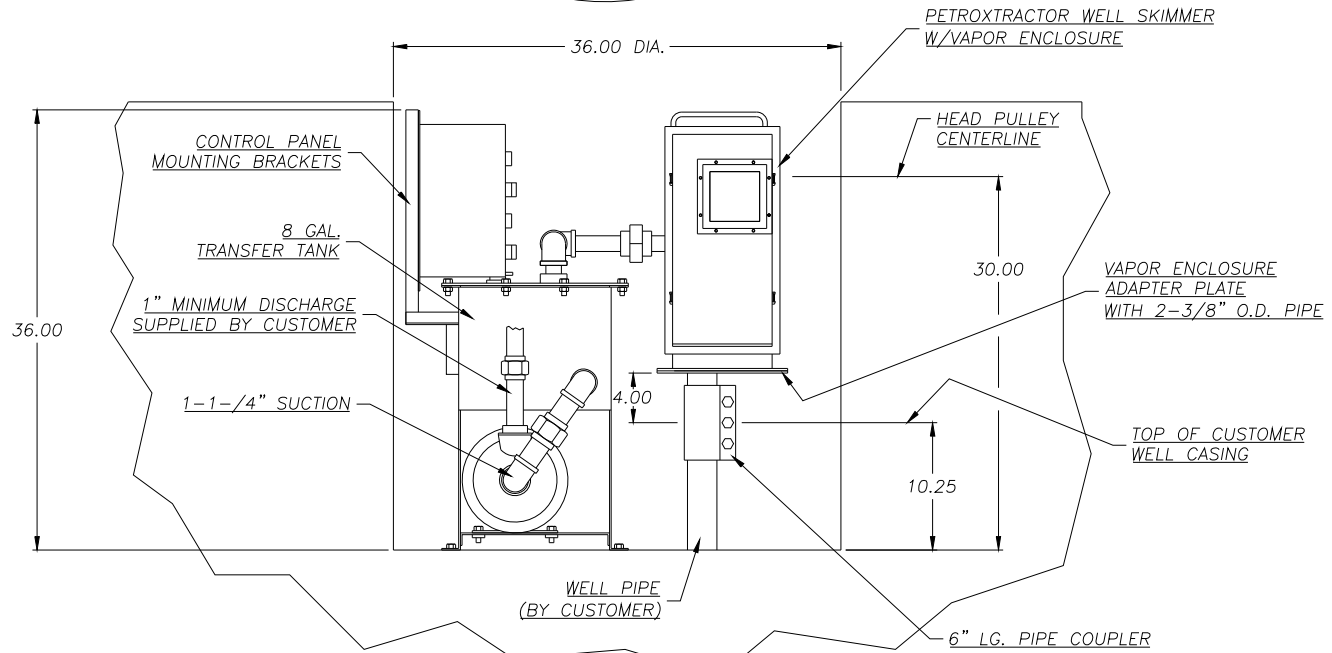
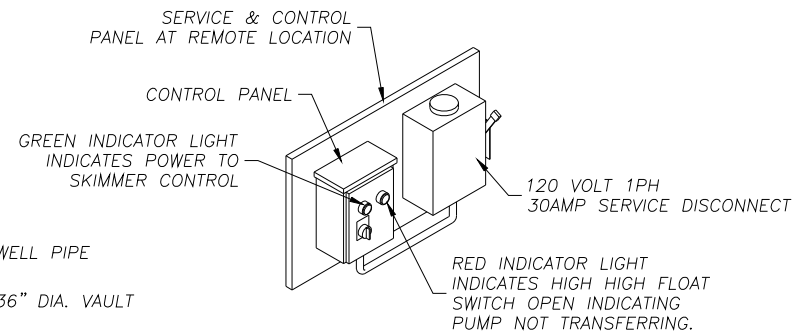
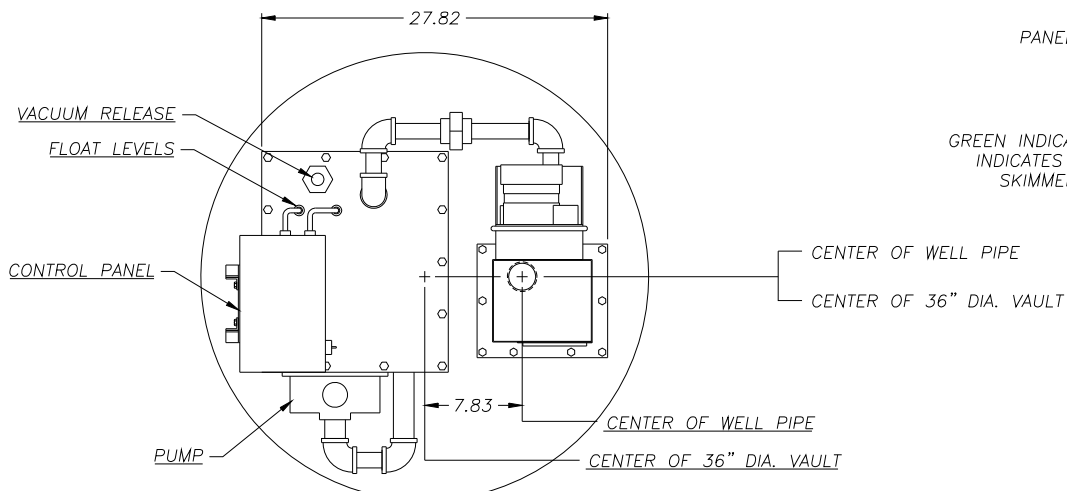
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				ABANAKI CORPORATION <small>Chagrin Falls, Ohio 44023 (216) 543-7400</small>	
TOLERANCES:				BELOW GRADE WELL UNIT	
DECIMALS .XX ± .05				PETROTRACTOR 1", 2" & 4"	
ANGULAR .XXX ± .010				OVERALL DRAWING	
DO NOT SCALE DRAWING				DRAWN BY: Ken Fagan	
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DATE: 01/06/97				REV: 0	



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TOLERANCES:		PETROTRACTOR WELL SKIMMER VAPOR ENCLOSURE	
DECIMALS	ANGULAR	W/DRUM & FLOAT SWITCH/OVERALL DRAWING	
.XX ± .05	± 0.5°	DRAWN BY: Ken Fagan	REV 0
.XXX ± .010		DATE: 10/14/98	REPLACES: PETVAC-3
DO NOT SCALE DRAWING		PRINT ISSUED ON: 10/14/98	DATE: 10/14/98 SHEET 1 of 1

REV	DESCRIPTION	DATE	APPROVED

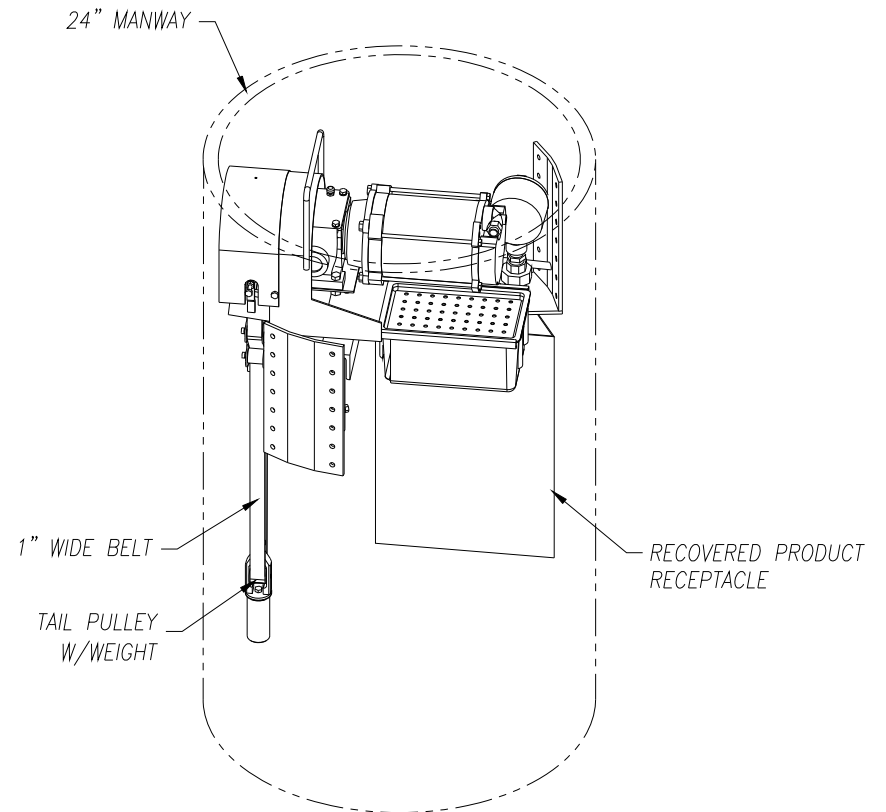
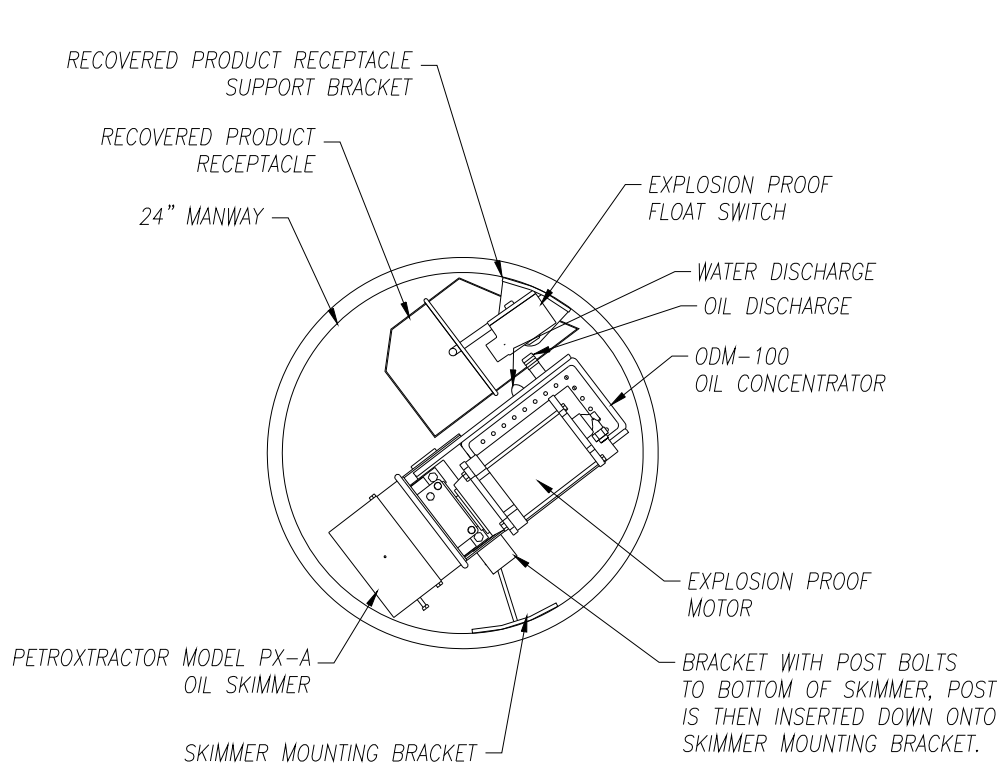
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3	ADD 30.00 DIMENSION	11/22/99	
2	UPDATE	04/23/98	
1	ROTATED SKIMMER 90°	04/03/98	
REV	DESCRIPTION	DATE	APPROVED

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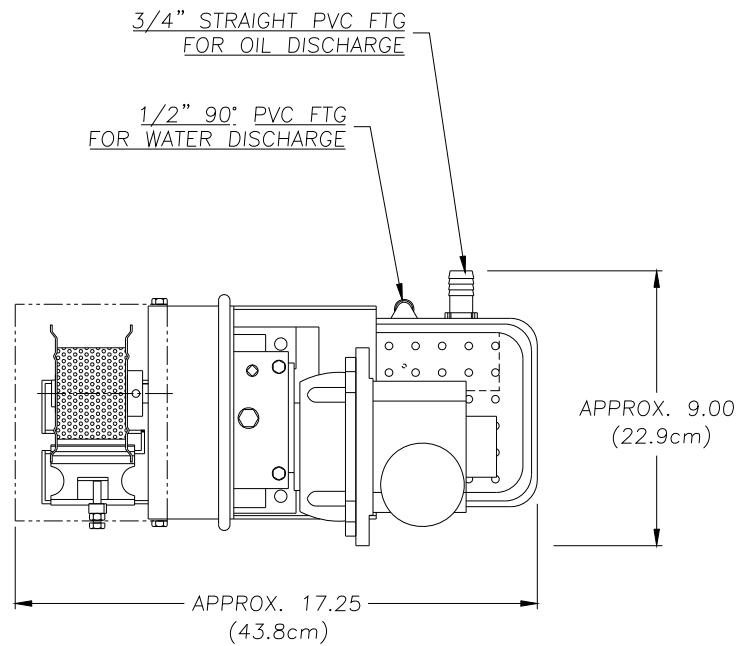
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ABANAKI CORPORATION <small>Chagrin Falls, Ohio 44023 (440) 543-7000</small>	
TOLERANCES:		PETROTRACTOR VAPOR ENCLOSURE	
DECIMALS	ANGULAR	2" WELL PIPE IN 36" DIA. VAULT	
.XX ± .05	± 0.5°	(110V) OVERALL DRAWING	
.XXX ± .010			
DO NOT SCALE DRAWING		DWG. NO.	REV
DRAWN BY: Ken Fagan		D	3
PRINT ISSUED ON: 11/22/99		SCALE	
		DATE	04/02/98
		SHEET	1 of 1



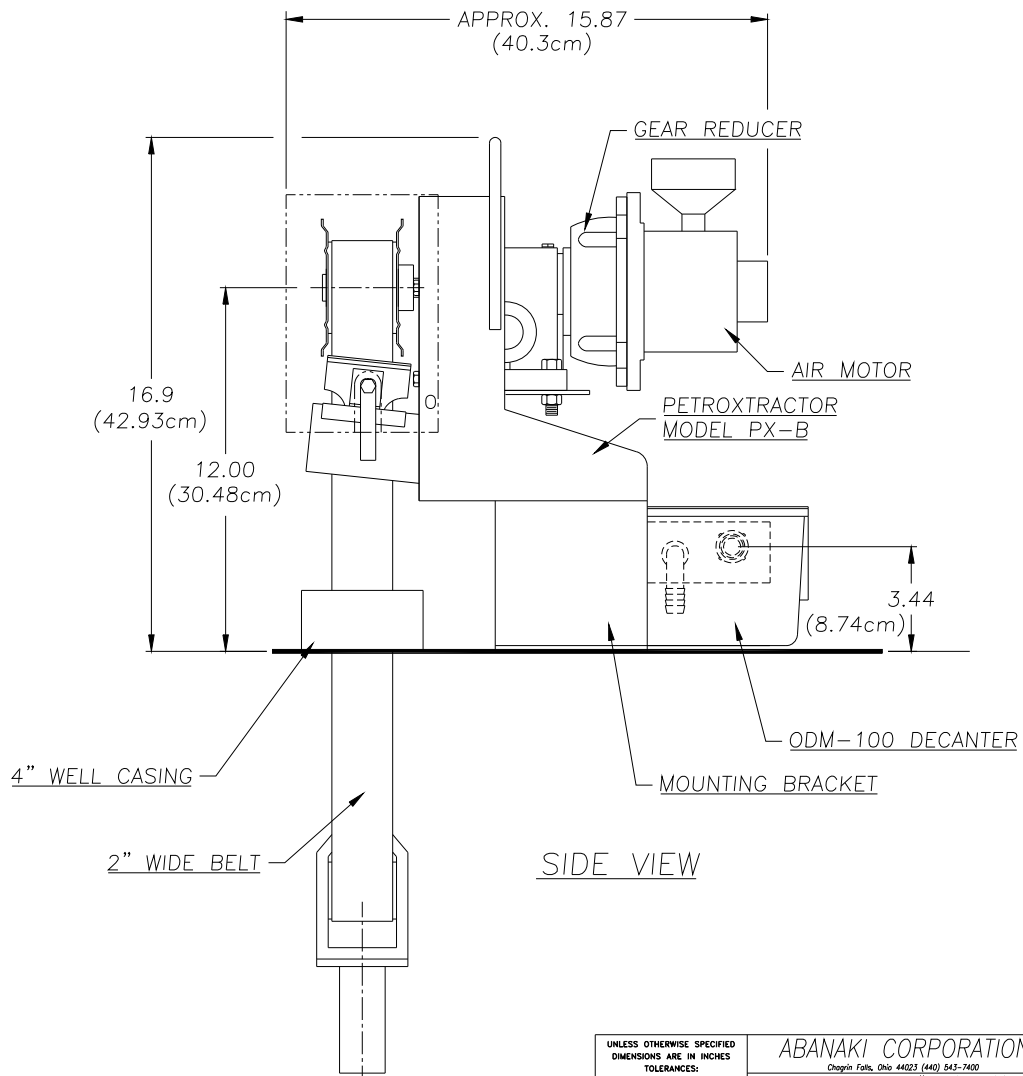
REV	DESCRIPTION	DATE	APPROVED
1	UPDATED BRACKETS ADD XP FLOAT SWITCH	07/21/00	

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ABANAKI CORPORATION Chagrin Falls, Ohio 44023 (440) 543-7400	
TOLERANCES:			
DECIMALS	ANGULAR		
.XX ± .02	± 0.5°	PETROTRACTOR PX-A W/ODM-100 & XPV MOTOR, INSIDE 24" MANWAY OVERALL DRAWING	
.XXX ± .010			
DO NOT SCALE DRAWING		DRW BY: Ken Fagan	REV 1
SIZE: D	SCALE: -	DRG NO: PETR01_MANWAYASSY_01_L1	DATE: 07/12/00
PRINT ISSUED ON: 07/21/00		REPLACES: SHEET 1 OF 1	



TOP VIEW

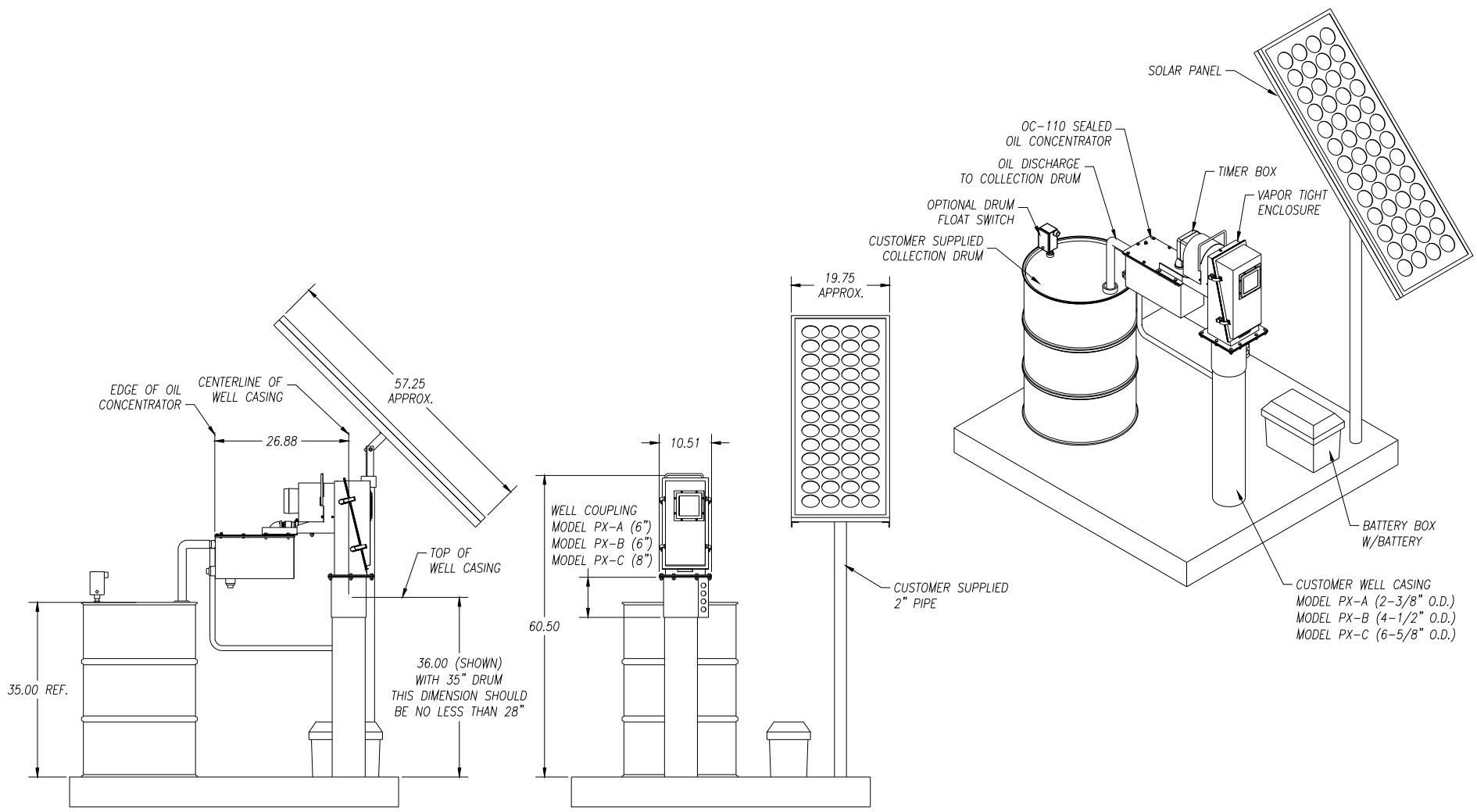


SIDE VIEW

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES:		ABANAKI CORPORATION Chagrin Falls, Ohio 44023 (440) 543-7400	
DECIMALS	ANGULAR			PETROTRACTOR 2" W/AIR MOTOR & ODM-100 DECANTER OVERALL DRAWING	
.XX ± .05	± 0.5°			SIZE	REV
.XXX ± .010				D	0
DO NOT SCALE DRAWING		DATE	06/12/98	DATE	06/12/98
DRAWN BY: Ken Fagan		DATE	06/12/98	DATE	06/12/98
PRINT ISSUED ON: 06/12/98		DATE	06/12/98	DATE	06/12/98
U.S. PATENTS PENDING.		DATE	06/12/98	DATE	06/12/98

REV	DESCRIPTION	DATE	APPROVED

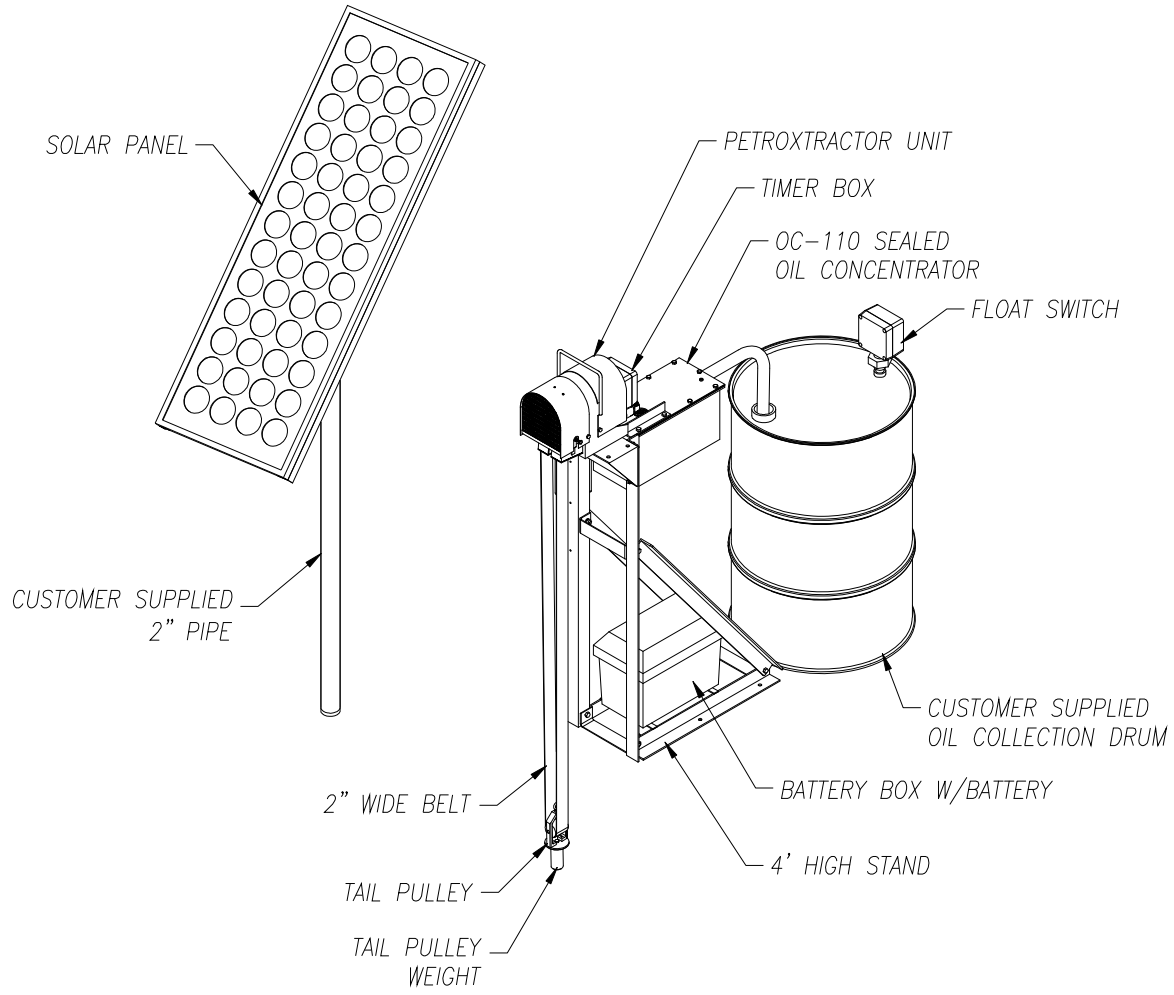
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TOLERANCES:		PETROTRACTOR VAPOR TIGHT ENCLOSURE W/OC-110, SOLAR PANEL & FLOAT SWITCH OVERALL DRAWING	
DECIMALS	ANGULAR	REV NO. 0	
.XX ± .05	± 0.5°	SIZE	SCALE
.XXX ± .010		D	-
DO NOT SCALE DRAWING		DATE	11/09/01
DRAWN BY: Ken Fagan		DATE	11/09/01
PRINT ISSUED ON: 11/09/01		REPLACES:	

REV	DESCRIPTION	DATE	APPROVED

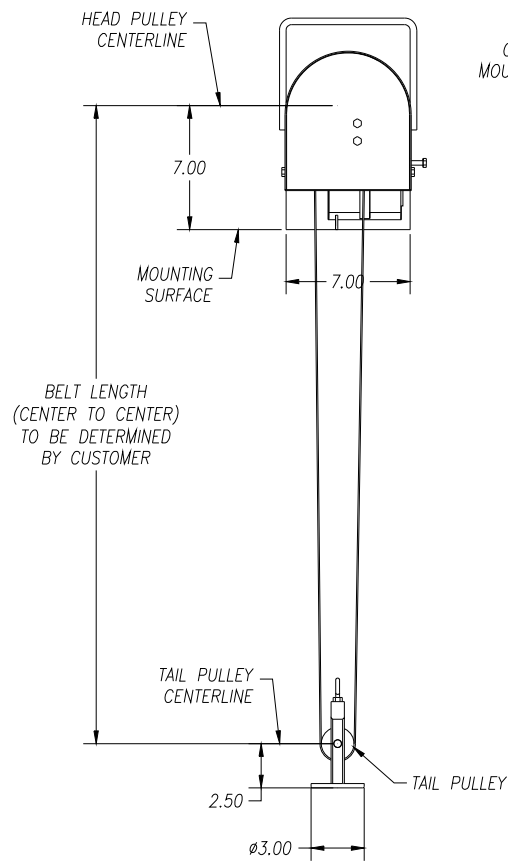
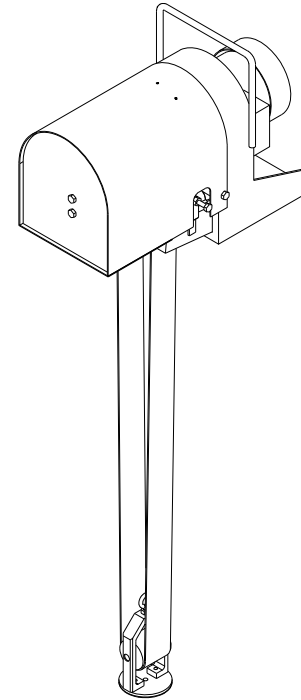
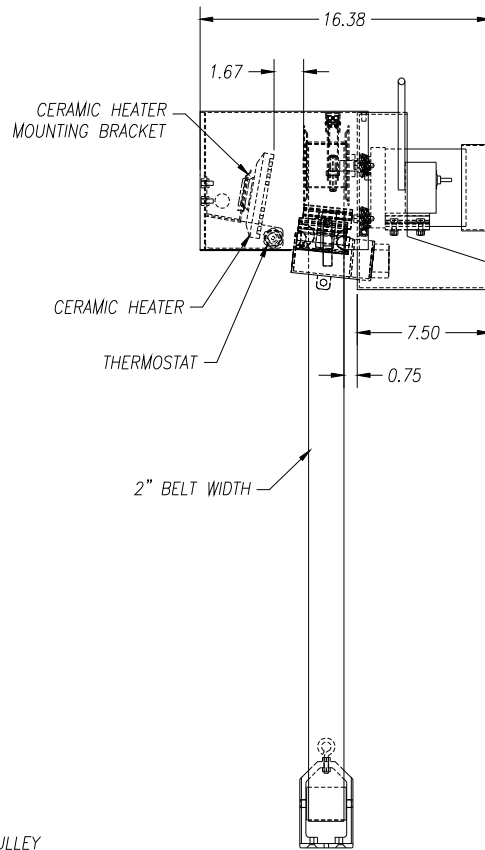
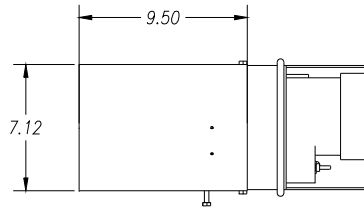
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TOLERANCES:		PETROTRACTOR PX-B SOLAR UNIT W/STAND & OC-110 SEALED CONCENTRATOR OVERALL DRAWING	
DECIMALS	ANGULAR	SCALE	DWG NO.
.XX ± .05	± 0.5°	D	PETRO2ASSY_12VOLT-06
.XXX ± .010			REV 0
DO NOT SCALE DRAWING		DATE	SHEET
DRAWN BY: Ken Fagan		01/09/07	1 of 1
PRINT ISSUED ON: 01/09/07		DATE	
		01/09/07	

REV	DESCRIPTION	DATE	APPROVED

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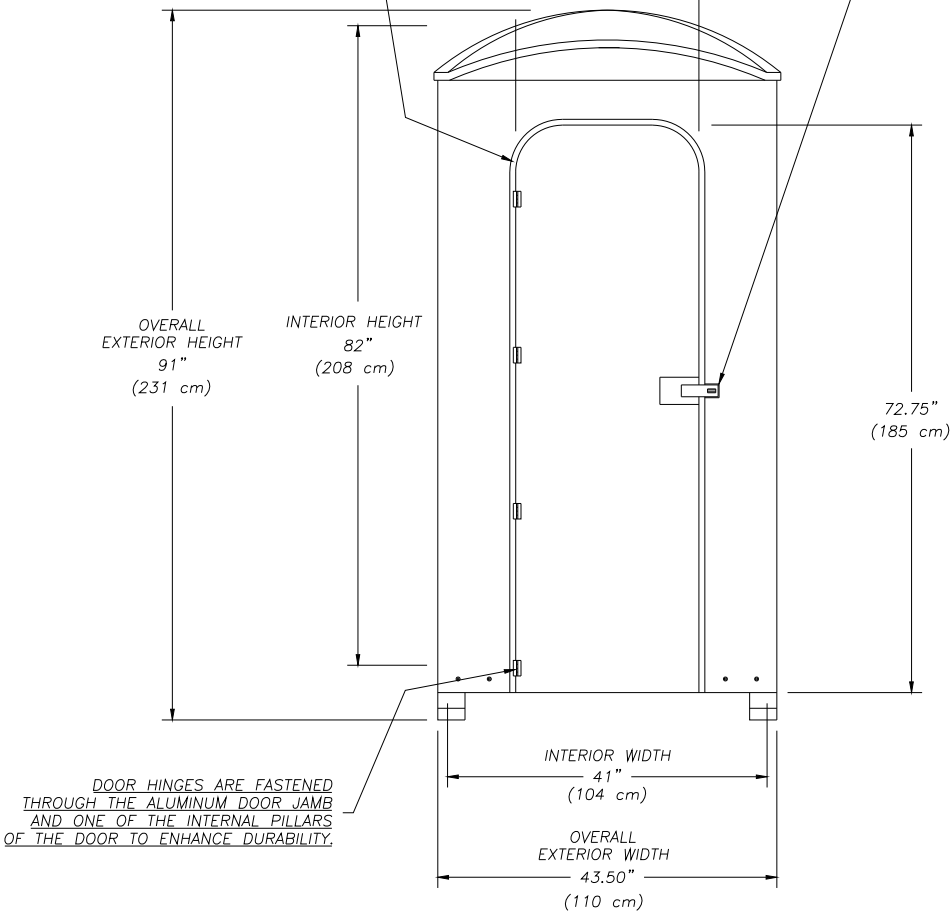
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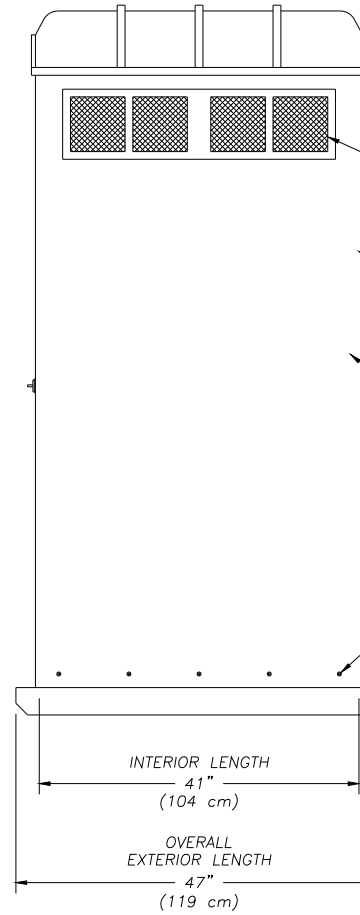
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES:		ABANAKI CORPORATION Chagrin Falls, Ohio 44022 (440) 543-7400	
DECIMALS	ANGULAR			PETROTRACTOR PX-B	
.XX ± .05	± 0.5°			W/CERAMIC HEATER	
.XXX ± .010				OVERALL DRAWING	
DO NOT SCALE DRAWING				SIZE	SCALE
DRAWN BY: Ken Fagan				D	-
PRINT ISSUED ON: 06/27/00				DWG NO.	PETRO2HT_1_L1
REPLACES:				DATE:	06/27/00
				SHEET	1 of 1

THE FRONT PANEL FEATURES AN ALUMINUM DOOR JAMB CONTINUOUS EXTRUSION.

LOCKING SAFETY HASP



DOOR HINGES ARE FASTENED THROUGH THE ALUMINUM DOOR JAMB AND ONE OF THE INTERNAL PILLARS OF THE DOOR TO ENHANCE DURABILITY.



VENTILATION SCREENS KEEP RAIN & MOISTURE OUT.

INSIDE CORNERS ARE REINFORCED WITH WOOD.

HIGH DENSITY POLYETHYLENE IS RESILIENT, IMPACT RESISTANT AND STANDS UP TO EXTREME WEATHER.

ALUMINUM RIVETS AND STAINLESS STEEL FASTENERS DO NOT RUST OR CORRODE IN EXTREME WEATHER.

ONE PIECE ROTOMOLDED BASE AND 1/2" THICK, RECYCLED PLASTIC FLOOR.

COLORS: EVERGREEN OR TAN

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES:

DECIMALS .XX ± .05 .XXX ± .010 ANGULAR ± 0.5°

ABANAKI CORPORATION

Chagrin Falls, Ohio 44023 (440) 543-7400

OIL SKIMMER POLYSHELTER OVERALL DRAWING

REV	DESCRIPTION	DATE	APPROVED

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DO NOT SCALE DRAWING
DRAWN BY: Ken Faagan
PRINT ISSUED ON: 01/01/02

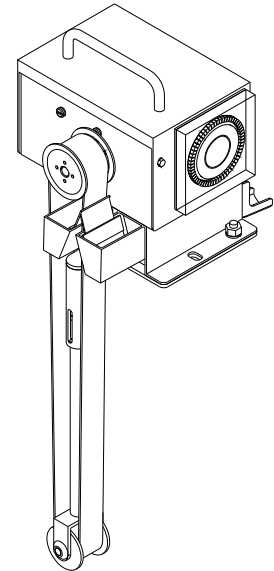
SIZE	SCALE	DWG NO.	REV
D	-	PS-002	0
DATE	01/01/02		SHEET 1 of 1

ABANAKI

Mighty Mini[®] Stainless Steel w/Timer Portable Oil Skimmer: 1", 2"

Quick Summary:

A low cost oil skimmer for light duty applications. The Mighty Mini offers features found on our larger models such as a dual wiper blade system and a self-tensioning pulley system along with four standard sizes. The Mighty Mini currently operates in the following types of locations: production machines (CNC, lathes, milling operations); parts washers; marine craft (pleasure boats, tug boats); as well as on a 55-gallon drum.



Highlights:

1. A 1" or 2" continuous belt of corrosion resistant steel or elastomer.
2. Oil discharge via a 3-foot 3/4-inch diameter clear plastic hose with clamp.
3. Deep removable trough.
4. 316 S.S. Glass Beaded Finish.
5. 24 hour timer.
6. 8-foot grounded power cord w/plug.
7. Fractional fan-cooled gear motor.
8. Removes one or two gallons of medium weight oil per hour.

Quick Chart:

CAP. GAL.	MODEL	BELT WIDTH	BELT LENGTH	STANDARD MOTOR			OPTIONAL MOTOR	
				RPM AMPS	VOLTS Hz	PHASE	RPM AMPS	VOLTS Hz
1	MM100ST-06	1"	6"	30 RPM 1.5 - 2.0A	115 60Hz	1 PH	30 RPM 1.5 - 2.0A	260 50Hz
1	MM100ST-12	1"	12"	30 RPM 1.5 - 2.0A	115 60Hz	1 PH	30 RPM 1.5 - 2.0A	260 50Hz
1	MM100ST-18	1"	18"	30 RPM 1.5 - 2.0A	115 60Hz	1 PH	30 RPM 1.5 - 2.0A	260 50Hz
1	MM100ST-24	1"	24"	30 RPM 1.5 - 2.0A	115 60Hz	1 PH	30 RPM 1.5 - 2.0A	260 50Hz
2	MM200ST-06	2"	6"	30 RPM 1.5 - 2.0A	115 60Hz	1 PH	30 RPM 1.5 - 2.0A	260 50Hz
2	MM200ST-12	2"	12"	30 RPM 1.5 - 2.0A	115 60Hz	1 PH	30 RPM 1.5 - 2.0A	260 50Hz
2	MM200ST-18	2"	18"	30 RPM 1.5 - 2.0A	115 60Hz	1 PH	30 RPM 1.5 - 2.0A	260 50Hz
2	MM200ST-24	2"	24"	30 RPM 1.5 - 2.0A	115 60Hz	1 PH	30 RPM 1.5 - 2.0A	260 50Hz

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17387 Munn Road Chagrin Falls, Ohio 44023 U.S.A.
Phone: 1-800-358-SKIM Fax: (440) 543-7404

ABANAKI

Stainless Steel Mighty Mini[®] 1" *Skimmer Specification Sheet*

PART 1: GENERAL

1.01 Construction

1. 316 Stainless Steel with glass beaded finish.

1.02 Pulley Types

1. Drive Pulley (Head Pulley)
 - A. Splined drive pulley for belt traction.
2. Tail Pulley (Solid drum type)
 - A. Spring loaded tension bar for automatic tensioning on belt.

1.03 Motor

1. Standard: 115 Volt, 60Hz. @ 30 RPM, fan cooled gear motor, U.L. and C.S.A. approved.
 - A. Optional: 260 Volt, 50Hz. @ 30 RPM, fan cooled gear motor, U.L. and C.S.A. approved.

1.04 Guard

1. Stainless Steel motor area cover, bolt in place with handle.

1.05 Belt Material and Length

1. Corrosion Resistant Steel
 - A. Lengths: 6", 12", 18", 24" - measured from mounting surface to bottom of tail pulley + 3/4".
 - B. Optional material: Elastomer, Poly, Poly-HT, and LFO "Fuzzy".

1.06 Wiper Blades

1. Standard Material: Pretension Elastomer.
 - A. Single wiper insert for front and rear wiper.

1.07 Oil Discharge Outlet

1. Dual troughs discharging into a trough outlet with 3/4" dia. x 3' clear hose fastened with clamp.

1.08 Standard Mounting Arrangement

1. Two 5/16" x 1/2" slotted holes for mounting on flat surface.

1.09 Weight and Size

1. Weight of unit with gear motor is 7 lbs. for 1" unit.
2. Overall size of unit: 7.50"L x 6.68"W x 6.75"H

1.10 Mounting Requirements

1. Sump Opening size for Tail Pulley: 2" Dia.
2. Minimum Mounting Height: 6.81"
3. Approximate Overall Height (Unit + Belt length)(Top of handle to bottom of Tail Pulley)
 - A. 6" belt - 12.06" total
 - B. 12" belt - 18.06" total
 - C. 18" belt - 24.06" total
 - D. 24" belt - 30.06" total

1.11 Power Requirements

1. 3 - prong grounded 110 volt outlet. Unit comes with 8' cord.

1.12 Optional Mounting Arrangements

1. Universal Mounting Bracket for mounting on straight wall or 90° angle.
2. ODM-100 Oil Concentrator Decanter mounting bracket for attaching ODM-100 to Mighty Mini skimmer's base.

ABANAKI Stainless Steel Mighty Mini[®] 2" Skimmer Specification Sheet

PART 1: GENERAL

1.01 Construction

1. 316 Stainless Steel with glass beaded finish.

1.02 Pulley Types

1. Drive Pulley (Head Pulley)
 - A. Splined drive pulley for belt traction.
2. Tail Pulley (Solid drum type)
 - A. Spring loaded tension bar for automatic tensioning on belt.

1.03 Motor

1. Standard: 115 Volt, 60Hz. @ 30 RPM, fan cooled gear motor, U.L. and C.S.A. approved.
 - A. Optional: 260 Volt, 50Hz. @ 30 RPM, fan cooled gear motor, U.L. and C.S.A. approved.

1.04 Guard

1. Stainless Steel motor area cover, bolt in place with handle.

1.05 Belt Material and Length

1. Corrosion Resistant Steel
 - A. Lengths: 6", 12", 18", 24" - measured from mounting surface to bottom of tail pulley + 3/4".
 - B. Optional material: Elastomer, Poly, Poly-HT, and LFO "Fuzzy".

1.06 Wiper Blades

1. Standard Material: Pretension Elastomer.
 - A. Single wiper insert for front and rear wiper.

1.07 Oil Discharge Outlet

1. Dual troughs discharging into a trough outlet with 3/4" dia. x 3' clear hose fastened with clamp.

1.08 Standard Mounting Arrangement

1. Two 5/16" x 1/2" slotted holes for mounting on flat surface.

1.09 Weight and Size

1. Weight of unit with gear motor is 7 lbs. for 2" unit.
2. Overall size of unit: 8.31"L x 6.68"W x 6.75"H

1.10 Mounting Requirements

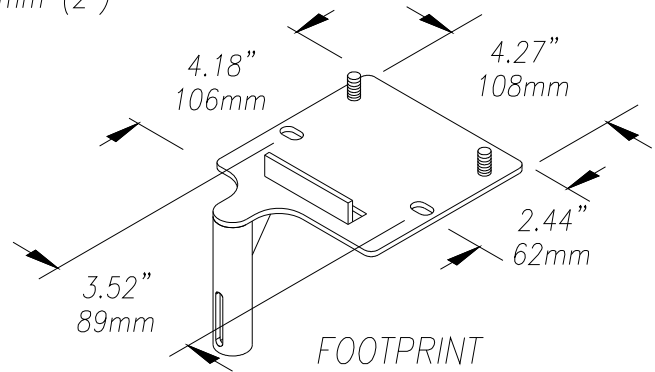
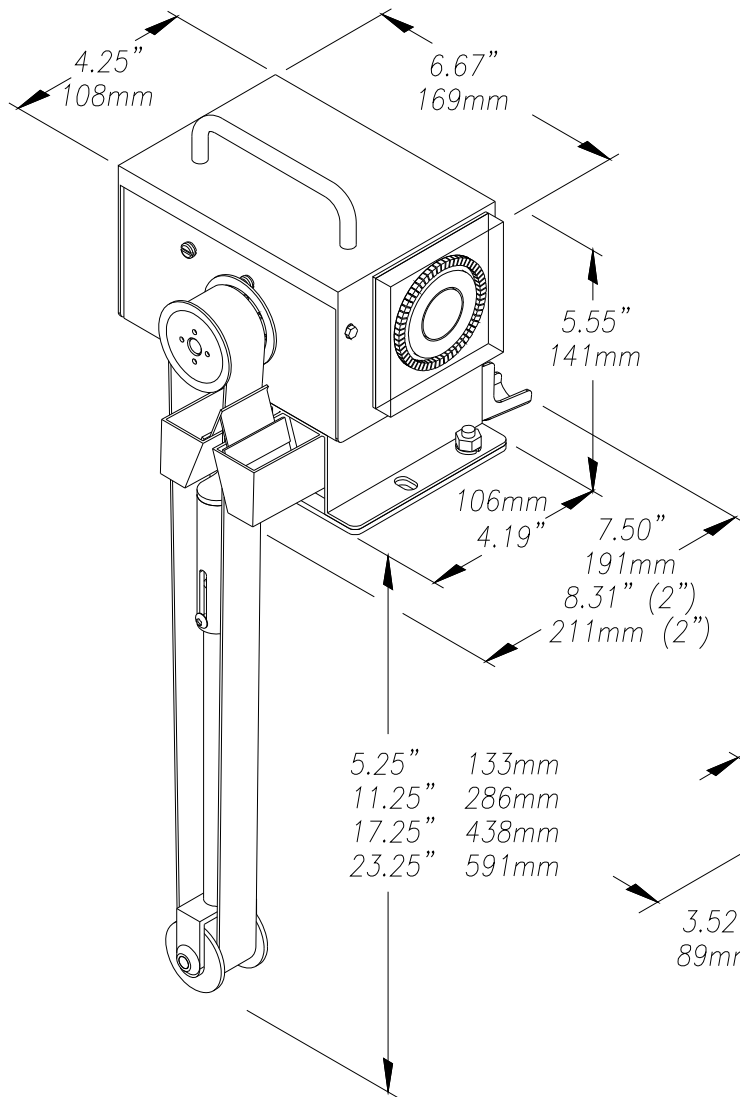
1. Sump Opening size for Tail Pulley: 2" x 3"
2. Minimum Mounting Height: 6.81"
3. Approximate Overall Height (Unit + Belt length)(Top of handle to bottom of Tail Pulley)
 - A. 6" belt - 12.06" total
 - B. 12" belt - 18.06" total
 - C. 18" belt - 24.06" total
 - D. 24" belt - 30.06" total

1.11 Power Requirements

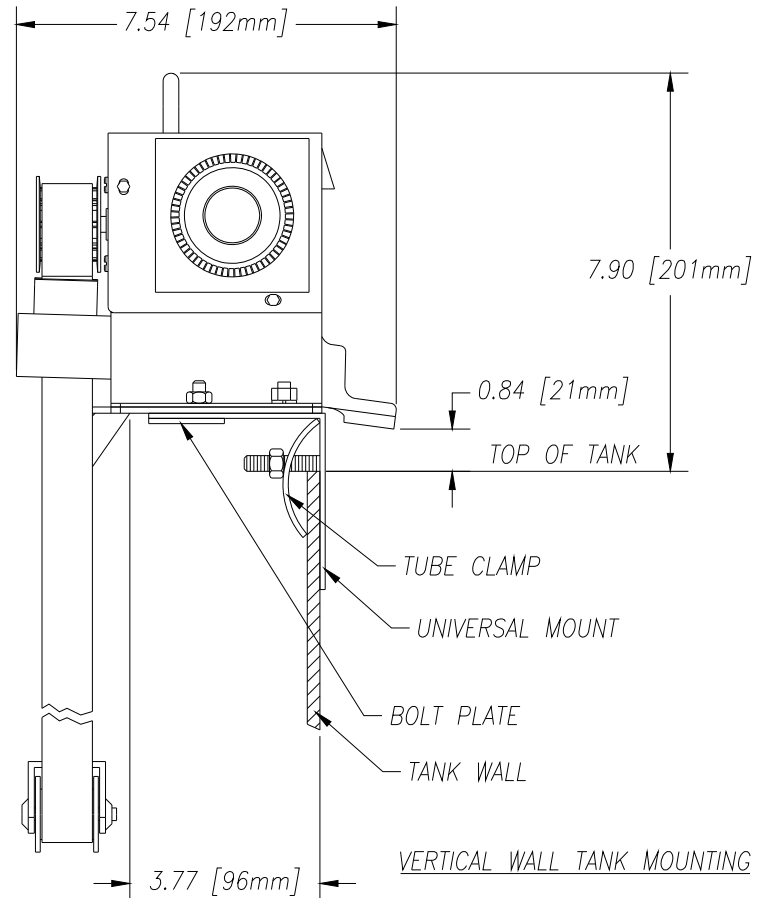
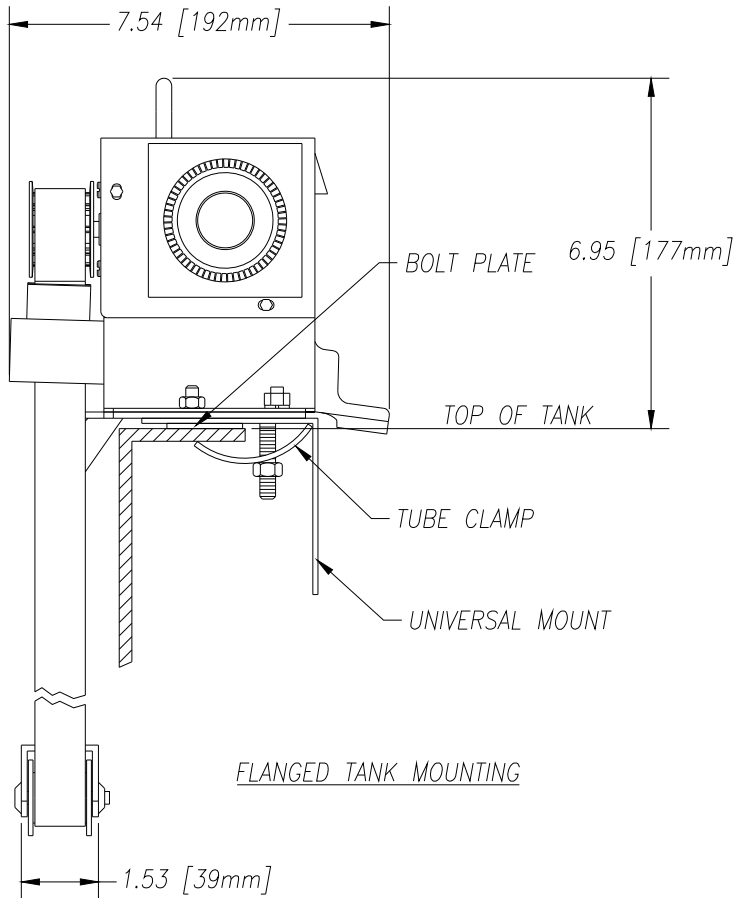
1. 3 - prong grounded 110 volt outlet. Unit comes with 8' cord.

1.12 Optional Mounting Arrangements

1. Universal Mounting Bracket for mounting on straight wall or 90° angle.
2. ODM-100 Oil Concentrator Decanter mounting bracket for attaching ODM-100 to Mighty Mini skimmer's base.

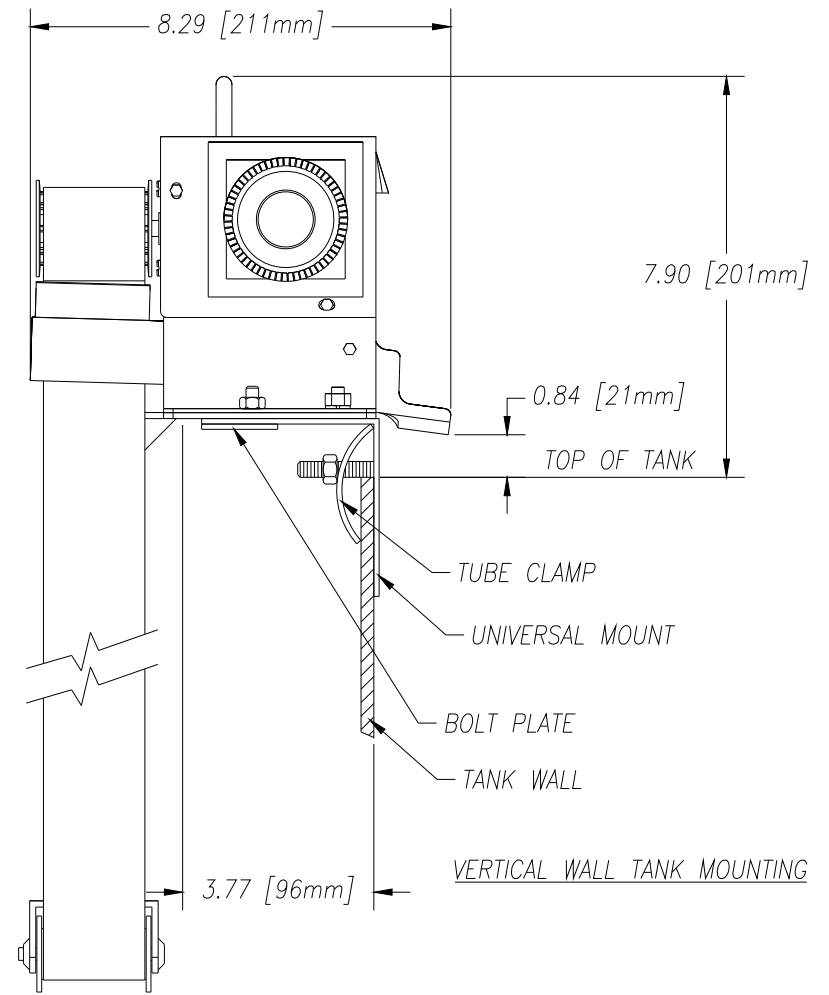
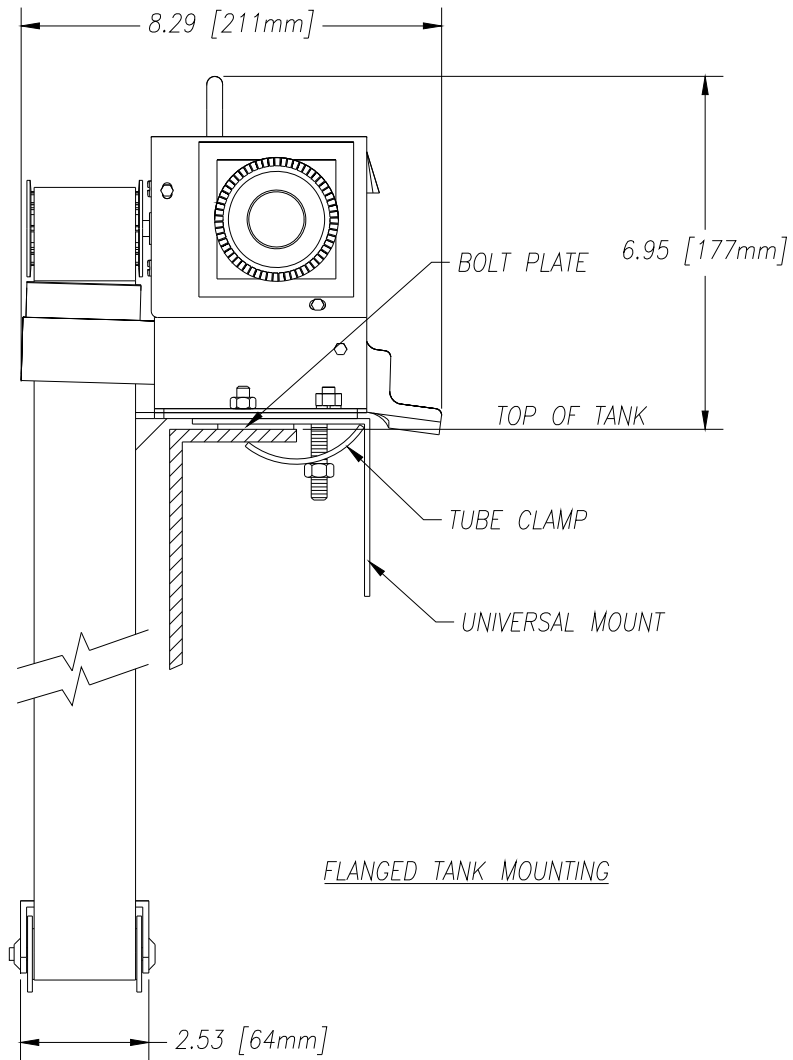


REV	DESCRIPTION	DATE	APPROVED	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES:	S.S. MIGHTY MINI 1" & 2" w/Timer OVERALL DRAWING	ABANAKI CORPORATION Chagrin Falls, Ohio 44023 (440) 543-7400	SIZE	SCALE	DWG NO.	REV
				DECIMALS .XX ± .05 ANGULAR .XXX ± .010 DO NOT SCALE DRAWING			D	-	MMLT1-12	0
					DRW'n BY: Ken Fagan					
					PRINT ISSUED On: 01/05/07				DATE: 01/05/07	SHEET 1 of 1



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ABANAKI CORPORATION <small>Original Parts, Only 44023 (440) 543-7400</small>	
TOLERANCES:		1" MIGHTY-MINI W/TIMER MOUNTING CLAMP OVERALL DRAWING	
DECIMALS	ANGULAR		
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.XXX ± .010			
DO NOT SCALE DRAWING		SIZE	SCALE
DRAWN BY: Ken Fagan		D	-
PRINT ISSUED ON: 01/08/07		DES. NO.	MMLT1-CLAMP-001
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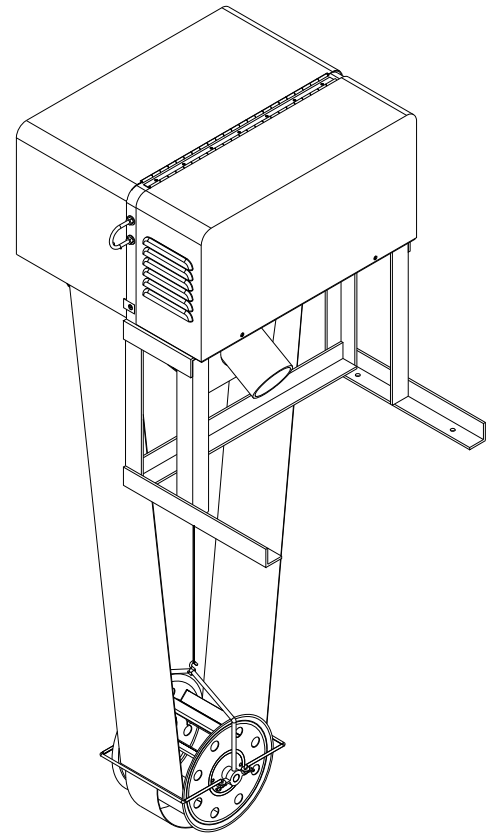


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TOLERANCES:		2" MIGHTY-MINI W/TIMER MOUNTING CLAMP OVERALL DRAWING	
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.XXX ± .010		SCALE	REPLACES:
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DRAWN BY: Ken Fagan		DATE:	01/08/07
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		SHEET	1 of 1

Grease Grabber® Systems:

Quick Summary:

The Grease Grabber®, with its patented technology, was designed and developed for the removal and discharge of non-flowing grease at ambient temperature. The main feature of this unit is a temperature controlled discharge hopper. The hopper is heated electrically to flow heavy grease for discharge. Other features for handling heavy grease are two grooved vulcanized rubber pressure drive rolls and a 4-inch SCH-40 discharge pipe nipple. An optional screw feed assembly is also available to help pull the heavy grease out of the heated discharge pipe. Safety features include: a totally enclosed drive mechanism protected by guards and a safety sensor switch which prevents accidental startup of the unit during maintenance.



Highlights:

1. An 8" continuous poly-belt up to 100 feet or more.
2. Dual safety covers for drive and motor area.
3. Safety sensor, which cuts power to motor when drive guard is removed.
4. Dual wiper blade system
5. Removes up to 160 gallons of heavy lubricating grease per hour.²
6. Electrically heated hopper.

Quick Chart:

		STANDARD MOTOR				OPTIONAL MOTOR		
CAP GPH	MODEL	BELT WIDTH	BELT LENGTH	RPM AMPS	VOLTS Hz	PHASE	RPM AMPS	VOLTS Hz
160	GR. 8	8"	UP TO 100 ft.	1725 RPM 5/2.6/2.5	115/208-230 60Hz	1 PH TEFC	1725 RPM 1.4/1.3/.65	208-230/460 3PH-60Hz

Notes:

1. Additional motors, including explosion proof, are available per customer specification. See motor spec sheet for complete listing of motors. Always consult the factory for special applications.
2. Actual removal rate will vary with application. Removal rate is based on Brooks Technology Plexelene 750™ grease and other components in ordinary water.

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17387 Munn Road Chagrin Falls, Ohio 44023 U.S.A.

Phone: 1-800-358-SKIM Fax: (440) 543-7404

www.abanaki.com

Standard Skimmer Specification Sheet

1.01 Construction

1. Solid welded carbon steel with a baked on powder coat finish.
2. Color: RAL5005 or equivalent (Dark Blue).

1.02 Pulley Types/Rolls

1. Drive Rolls
 - A. Dual grooved vulcanized rubber rolls w/1" shafts.
2. Idler Pulley
 - A. 3/4" shaft with dual bearing mount.
3. Tail Pulley
 - A. Standard yoke and chain assembly with retainer.

1.03 Motor:

1/4 H.P. 1 PH 60Hz TEFC
1725 RPM 56 C-Face
115/208-230 Volt
5 / 2.6 / 2.5 Amps

or optional

1/4 H.P. 3 PH 60Hz TEFC
1725 RPM 56 C-Face
208-230/460 Volt
1.4 / 1.3 / .65 Amp

requires magnetic starter w/3 PH control panel

1.04 Gear Reducer

1. Standard Right Angle 56C-Face
 - A. 60:1 reduction
 - B. Oil filled
 - C. Bronze gears/ball bearings

1.05 Guards

1. Standard steel motor area guard w/gas spring.
2. Standard steel guard w/power cut-off switch over drive rolls.

1.06 Hopper

1. Six 400watt electric heaters, thermostatically controlled.

1.07 Belt Material and Length

1. Standard material: 8" wide Poly
 - A. Optional material: Elastomer
2. Length as required per application.

1.08 Wiper Blades

1. Standard Material: Hybrid Ceramic
2. Top and bottom Wiper Assembly.
 - A. Fixed wiper, with single insert, preset angle for optimum wiping.

1.09 Oil Discharge Outlet

1. Double walled, thermostat controlled hopper with 4" SCH-40 pipe nipple x 6" long for flange or coupling mounting and/or discharge.

1.10 Mounting Arrangements

1. 2" steel angle frame 18" high for minimum clearance for flat surface mounting and shipping.

1.11 Weights and Size

1. Weight of skimmer without belt and tail pulley: 240 lbs. (109kg)
 - A. Skimmer has two lift hooks for lifting straps.
 - B. Add 10 lbs. (4.5kg) for Tail Pulley weight.
2. Overall size of unit: 31-1/2"L x 24"W x 14-3/16"H
 - A. Does not include minimum mounting height.

1.12 Mounting Requirements

1. Sump Opening size for Tail Pulley: 12" x 24"
2. Minimum Mounting Height will be determined by oil discharge requirements.

1.13 Power Requirements

1. 1 PH 110volt 60Hz
2. 3 PH requires control panel.

1.14 Optional Mounting Arrangements

1. Boom mast mount.
 - A. New or existing 6" mast.
 - B. Mast pivots for servicing.

Skimmer Systems Specification Sheet

System A: Grease Grabber Mat Buster

- Standard skimmer specifications
- Mat Buster: 24", 36" or 44" dia. blades - requires additional tail pulley clearance requirements.
 - Mat Buster weight: 10lbs. (4.5 kg)
 - 24" blade - 18" x 28" clearance
 - 36" blade - 20" x 40" clearance
 - 44" blade - 20" x 44" clearance

System B: Grease Grabber Screw Feed Discharge

- Standard skimmer specifications
- Screw Feed Discharge
 - Motor - 1/4hp, 115/208-230VAC, 1PH, 60Hz., 5/2.6-2.5amps, 56C-face, TEFC, 1725RPM
 - Gear Reducer - 48:1 right angle
 - Auger - 4" right hand helical flighting welded to 1-1/4" sch-40 pipe.

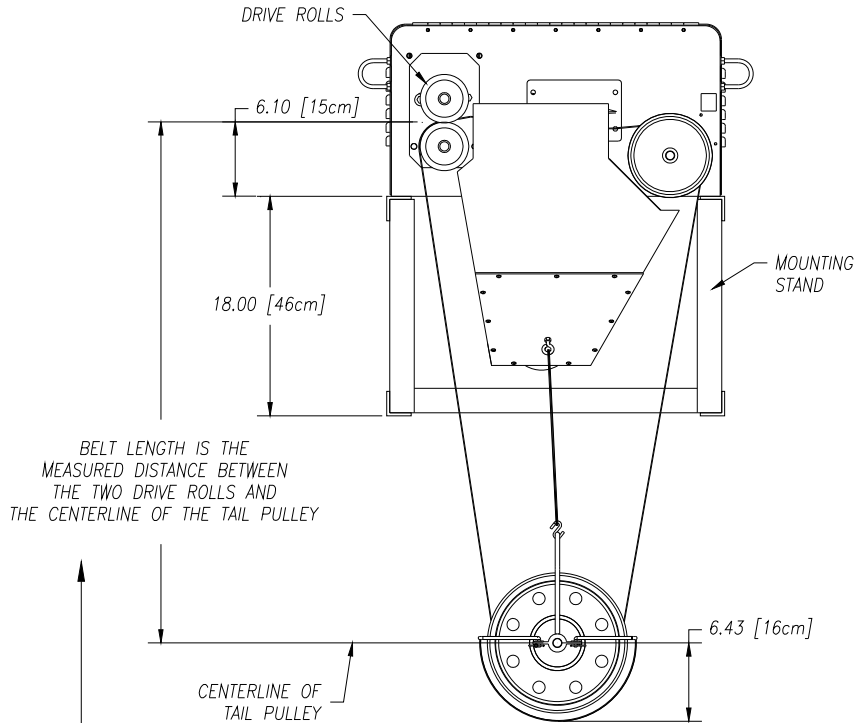
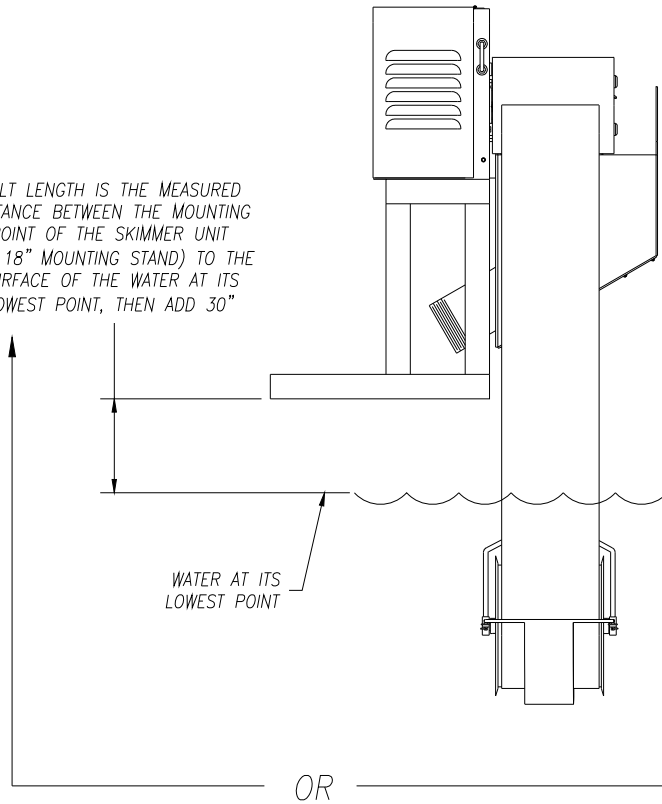
System C: Grease Grabber Transfer Package

- Standard skimmer specifications
- Transfer Package
 - Transfer Tank (volume user specified)
 - Transfer Tank Immersion Heater (sized to tank)
 - Hinged hood on tank for easy access.
 - Positive Displacement Pump
 - Transfer Tank Level Control

Note:

All systems can be adapted to your application.

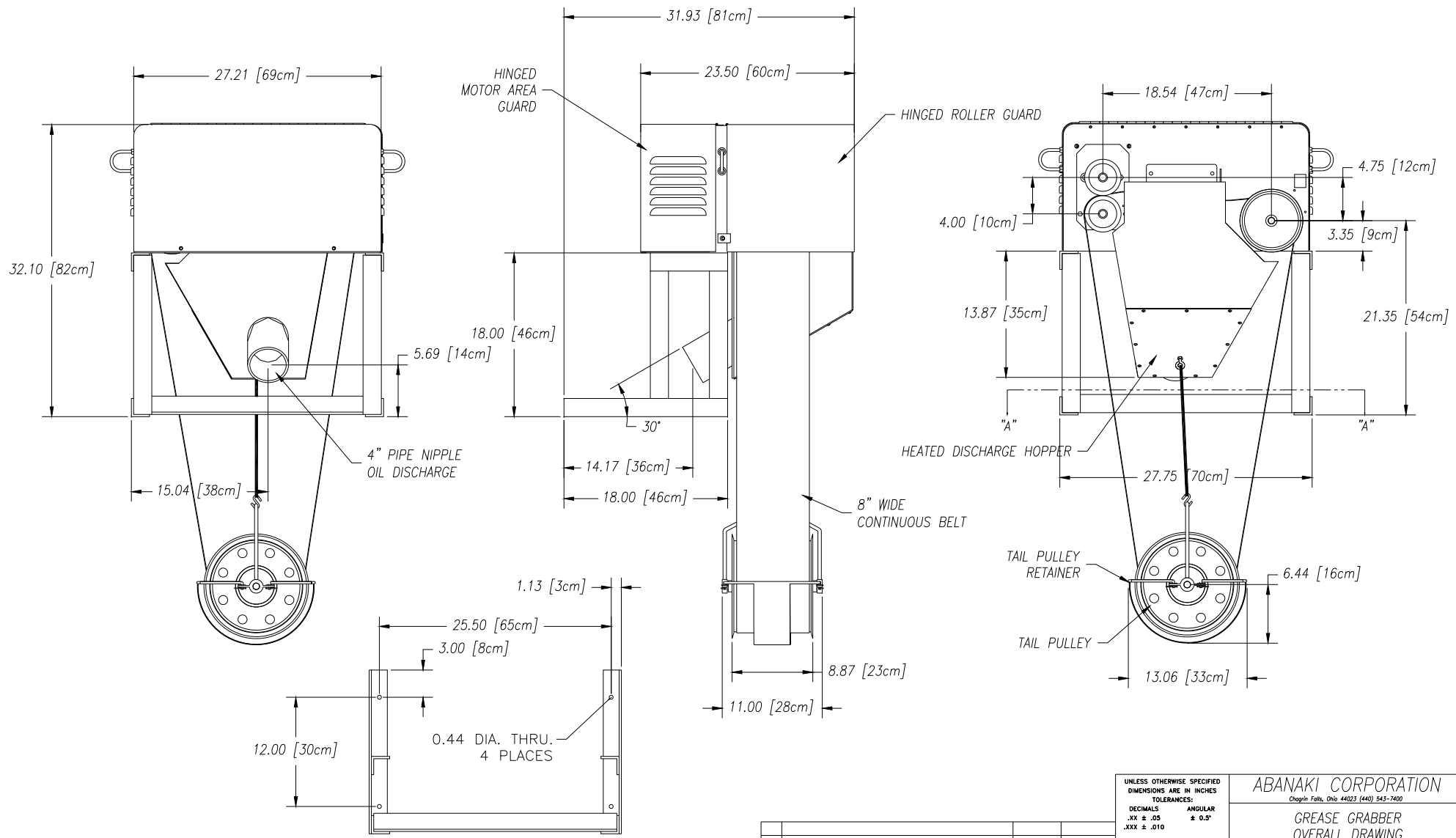
BELT LENGTH IS THE MEASURED DISTANCE BETWEEN THE MOUNTING POINT OF THE SKIMMER UNIT (ON 18" MOUNTING STAND) TO THE SURFACE OF THE WATER AT ITS LOWEST POINT, THEN ADD 30"



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ABANAKI CORPORATION	
TOLERANCES:		Chopin Falls, Ohio 44023 (440) 543-7400	
DECIMALS	ANGULAR	GREASE GRABBER	
.XX ± .05	± 0.5°	BELT LENGTH	
.XXX ± .010		LAYOUT DRAWING	
DO NOT SCALE DRAWING		SIZE	REV
DRAWN BY: Ken Fagan		D	1
PRINT ISSUED ON: 08/22/03		SCALE	
		REPLACES:	
		DATE:	10/01/99
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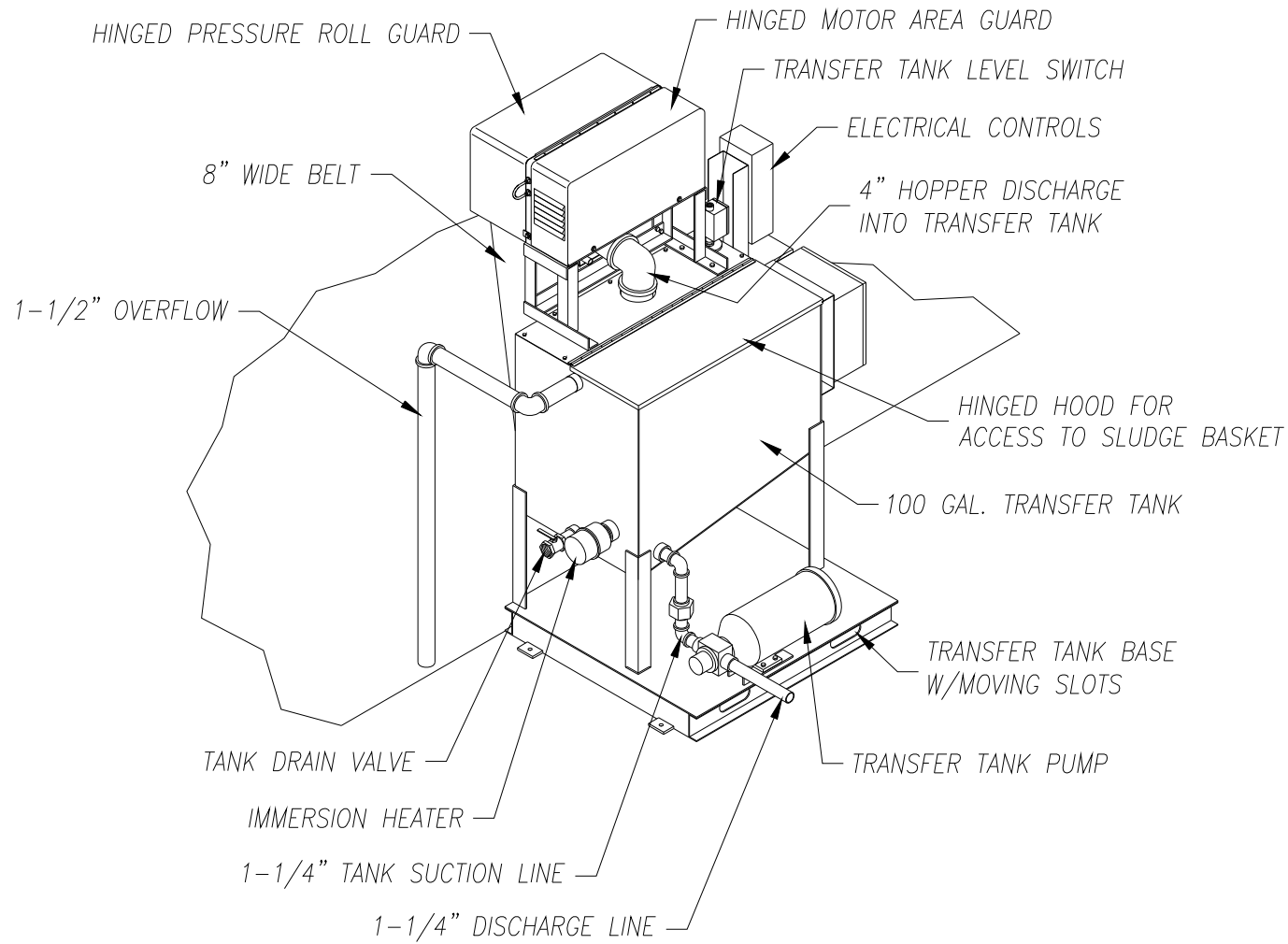


SECTION "A" - "A"
SHIPPING/MOUNTING STAND

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TOLERANCES:		GREASE GRABBER OVERALL DRAWING	
DECIMALS	ANGULAR	SIZE	DWG. NO.
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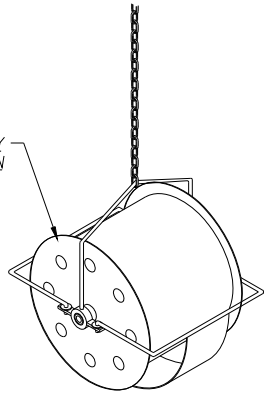


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DECIMALS	ANGULAR	GREASE GRABBER	
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.XXX ± .010		ISOMETRIC OVERALL DRAWING	
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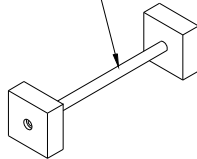
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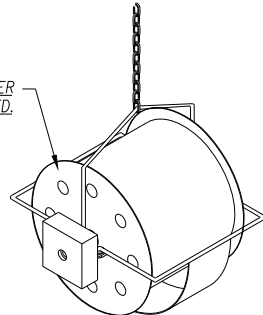
TAIL PULLEY
W/RETAINER & CHAIN



STABILIZER SHAFT ASSEMBLY

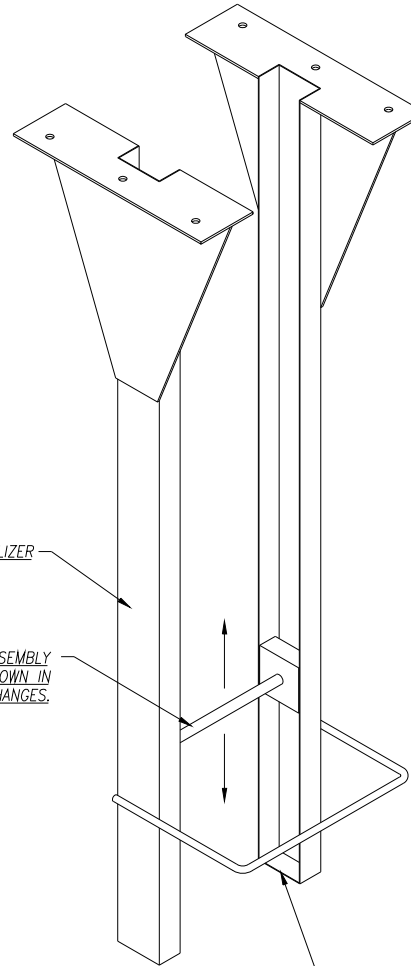


TAIL PULLEY W/RETAINER
AND SHAFT ASSEMBLED.



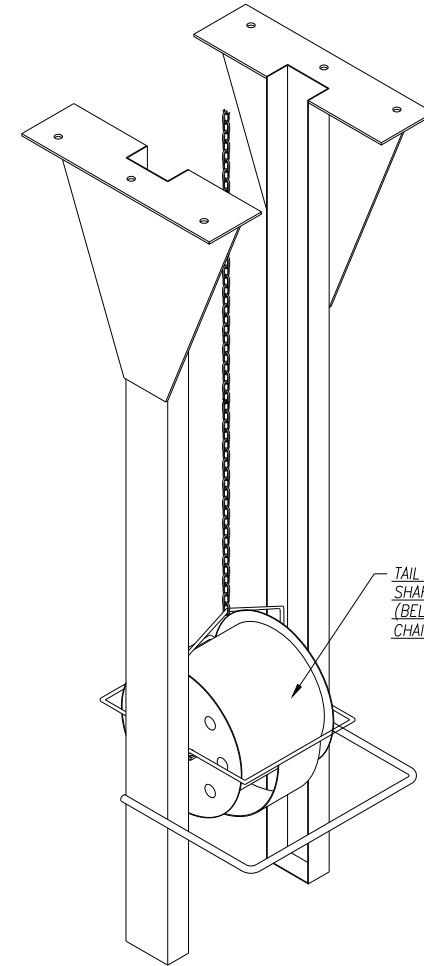
STABILIZER

STABILIZER SHAFT ASSEMBLY
FLOATS UP & DOWN IN
STABILIZER AS FLUID LEVEL CHANGES.



BOTTOM OF STABILIZER
CLOSED TO PREVENT TAIL
PULLEY FROM COMING OUT
OF STABILIZER.

TAIL PULLEY W/RETAINER AND
SHAFT FLOATS INSIDE STABILIZER.
(BELT NOT SHOWN)
CHAIN FASTENED TO OIL SKIMMER



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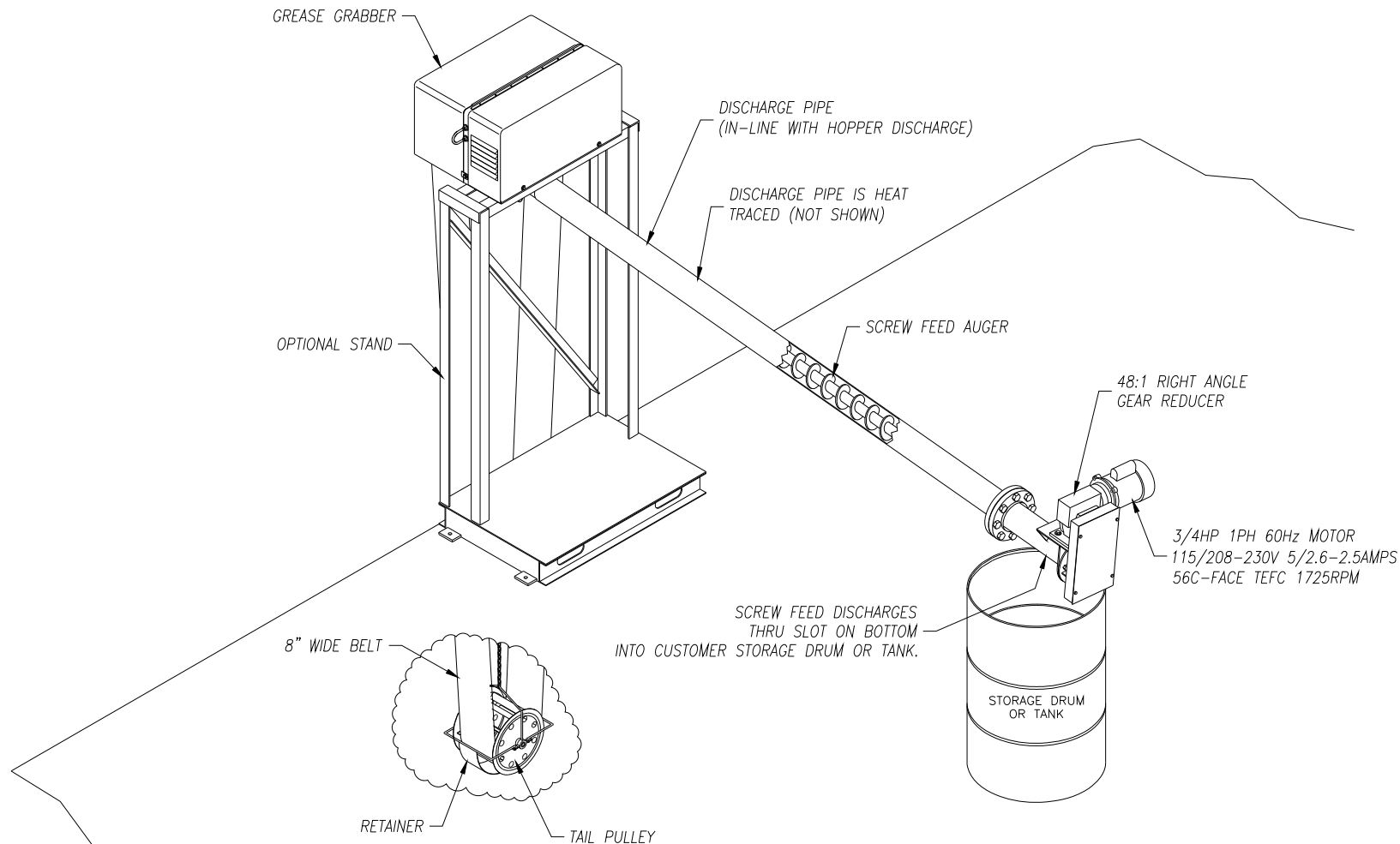
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DECIMALS .XX ± .05
.XXX ± .010
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DATE: 03/29/97

ABANAKI CORPORATION
Chagrin Falls, Ohio 44023 (440) 543-7400
GREASE GRABBER STABILIZER
& TAIL PULLEY W/RETAINER
OVERALL DRAWING

SIZE	SCALE	DWG NO.	REV
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1	NEW TEXT	12/10/98	

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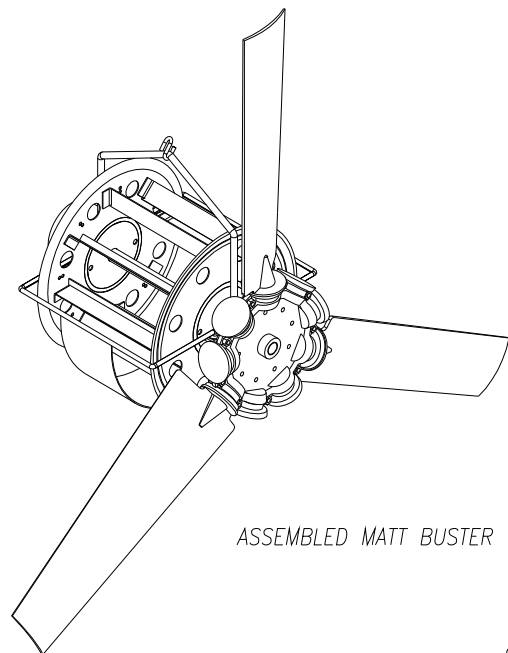
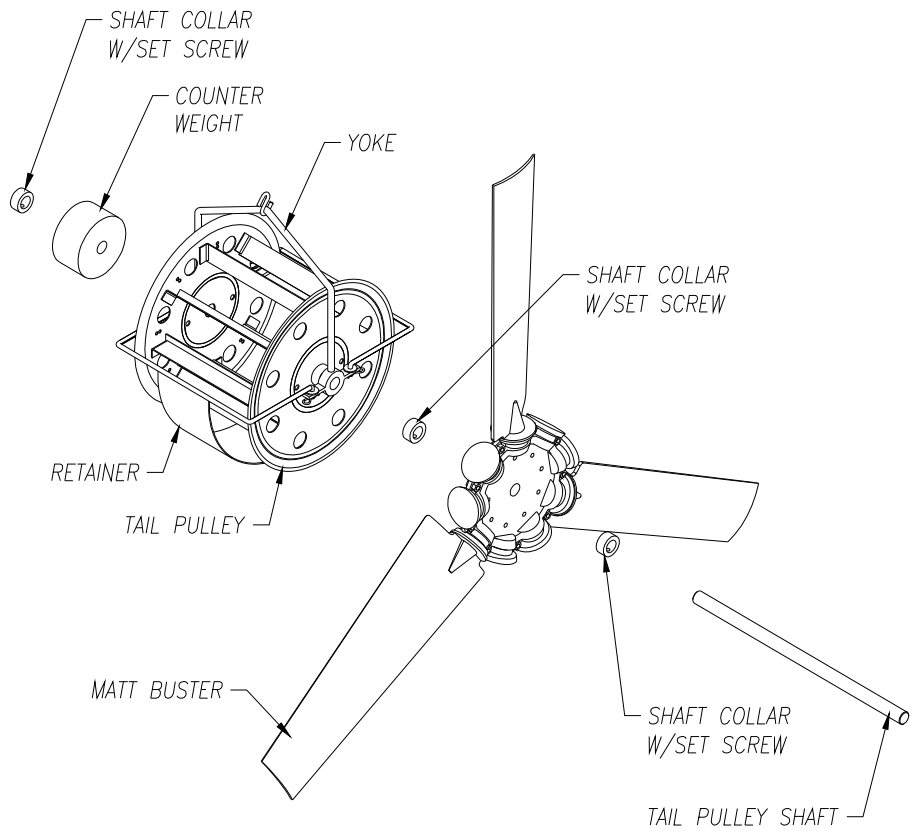
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**GREASE GRABBER
SCREW FEED
OVERALL LAYOUT DRAWING**

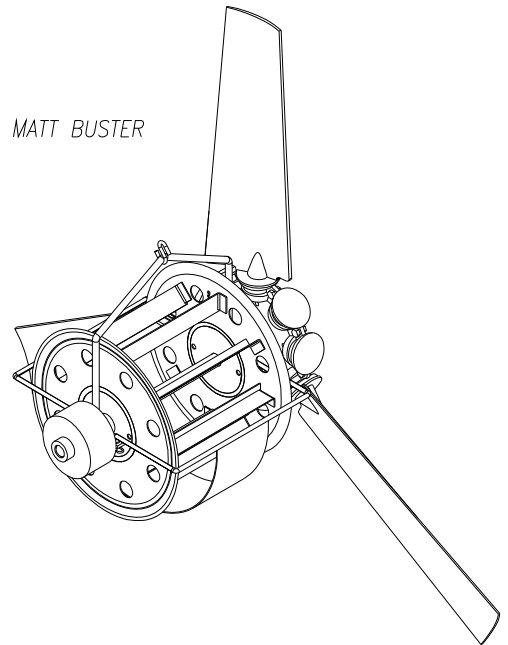
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DATE: 12/10/98

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DATE: 09/28/98 SHEET: 1 of 1



ASSEMBLED MATT BUSTER



NOTE:
 PRIOR TO MATT BUSTER ASSEMBLY,
 PLACE BELT ON TAIL PULLEY. THIS IS
 DONE BY REMOVING COTTER PINS
 AND RETAINER FROM TAIL PULLEY.
 LOOP BELT AROUND TAIL PULLEY AND
 REPLACE RETAINER & COTTER PINS.

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TOLERANCES:		GREASE GRABBER MATT BUSTER ASSEMBLY DRAWING	
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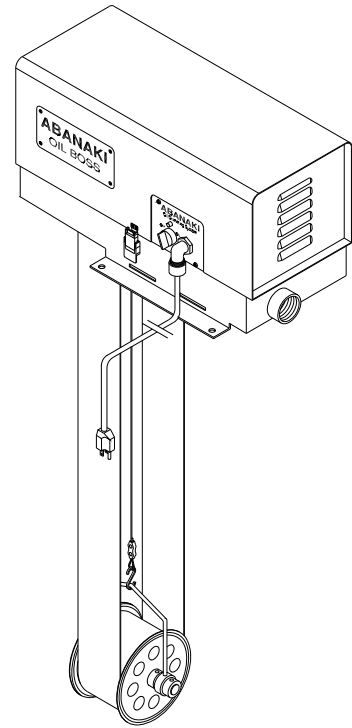
Oil Boss

Quick Summary:

A unit built to last. All stainless steel construction is built to stand up to the most punishing use and harshest environments without special maintenance or protection. Controls and electrical connections are moisture resistant, and the sealed gearmotor is fully enclosed requiring no maintenance. Applications include: nuclear power plants and installations where food grade quality is necessary.

Highlights:

1. A 4" continuous stainless steel or elastomer belt up to 100 feet.
2. One piece cover exposes entire mechanism for inspection.
3. All stainless steel construction.
4. Dual wiper blade system
5. 115v plug-in and switch-on.



Quick Chart:

		STANDARD MOTOR					OPTIONAL MOTOR	
CAP GPH	MODEL	BELT WIDTH	BELT LENGTH	RPM AMPS	VOLTS Hz	PHASE	RPM AMPS	VOLTS Hz
12	Oil Boss	4"	UP TO 100 ft.	12 RPM 1.4	115 60Hz	1 PH TEFC	15/12.5 1.2/.61amp 1.3/.65amp	115/230v 110/220v 50/60Hz

Specification Sheet

PART 1: GENERAL

1.01 Construction

1. Stainless steel construction.

1.02 Pulley Types

1. Drive Pulley (Head Pulley)
 - A. Magnetic drive pulley for metal belt.
2. Tail Pulley
 - A. Drum type w/yoke & chain.

1.03 Motor:

- 1/20H.P. 1 PH 60Hz TEFC
- 13.9 normal RPM/12 RPM at full load
- 115 Volt
- 1 amp normal/ 1.4 amp max.

1.04 Guard

1. Fully enclosed one piece stainless steel w/two easy open positive locking latches.

1.05 Belt Material and Length

1. Standard material: Stainless Steel
 - A. Optional material: Elastomer
2. Length as required per application.

1.06 Wiper Blades

1. Standard Material: Nitrile or *optional* CRV.
 - A. Fixed: with single wiper insert.
 - B. Adjustable: with screw for tensioning, with single wiper insert.

1.07 Oil Discharge Outlet

1. Dual troughs discharging to a single 1-1/2" N.P.T. coupling.

1.08 Standard Mounting Arrangement

1. Four 7/16" clearance holes for flat surface mounting.

1.09 Weight and Size

1. Weight of unit without belt and tail pulley: 50 lbs.
2. Overall size of unit: 23"L x 12"W x 12"H

1.10 Mounting Requirements

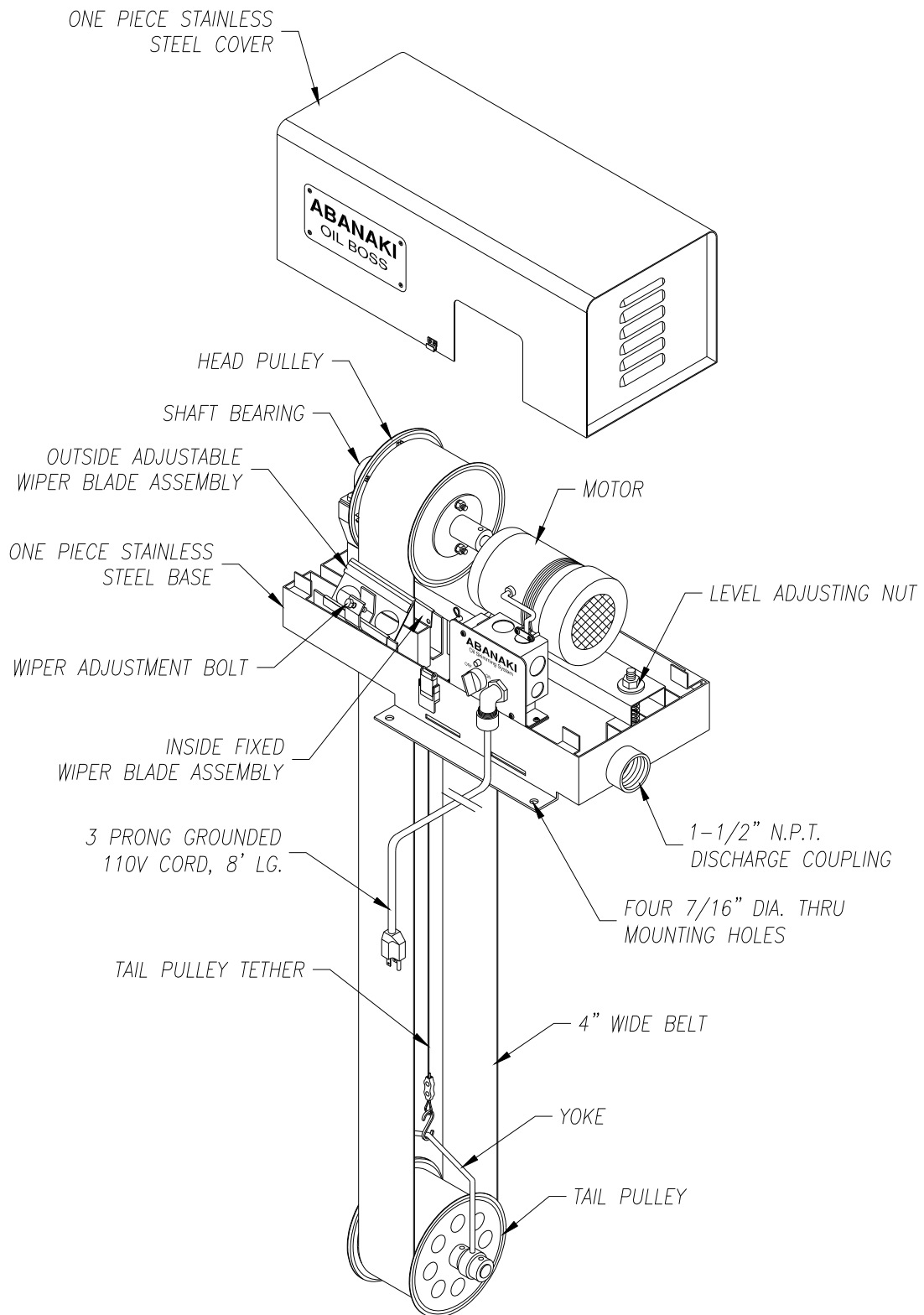
1. Sump Opening size for Tail Pulley: 6" x 12"
2. Minimum height needed from mounting surface to lift off cover: 21"

1.11 Power Requirements

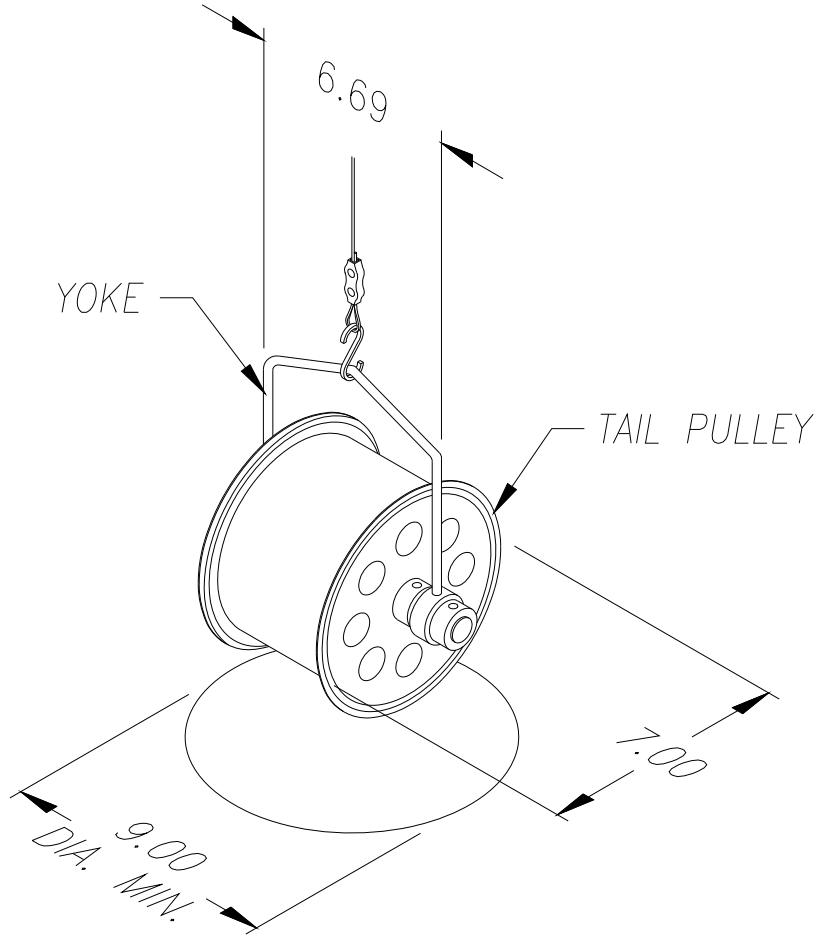
1. 3-prong grounded 110v outlet. Unit comes with 8' cord.

1.12 Optional Mounting Arrangement

1. 4' stand w/angle plate brackets.



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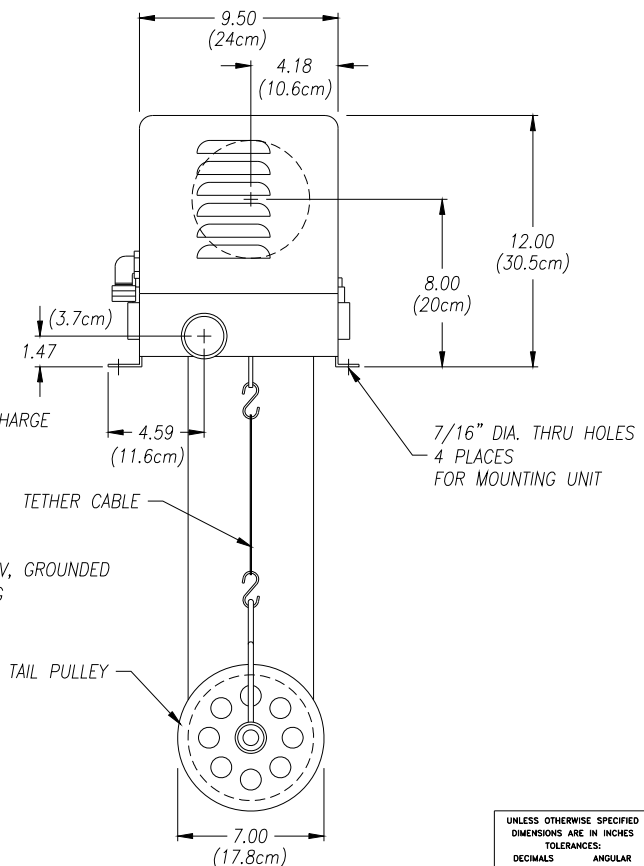
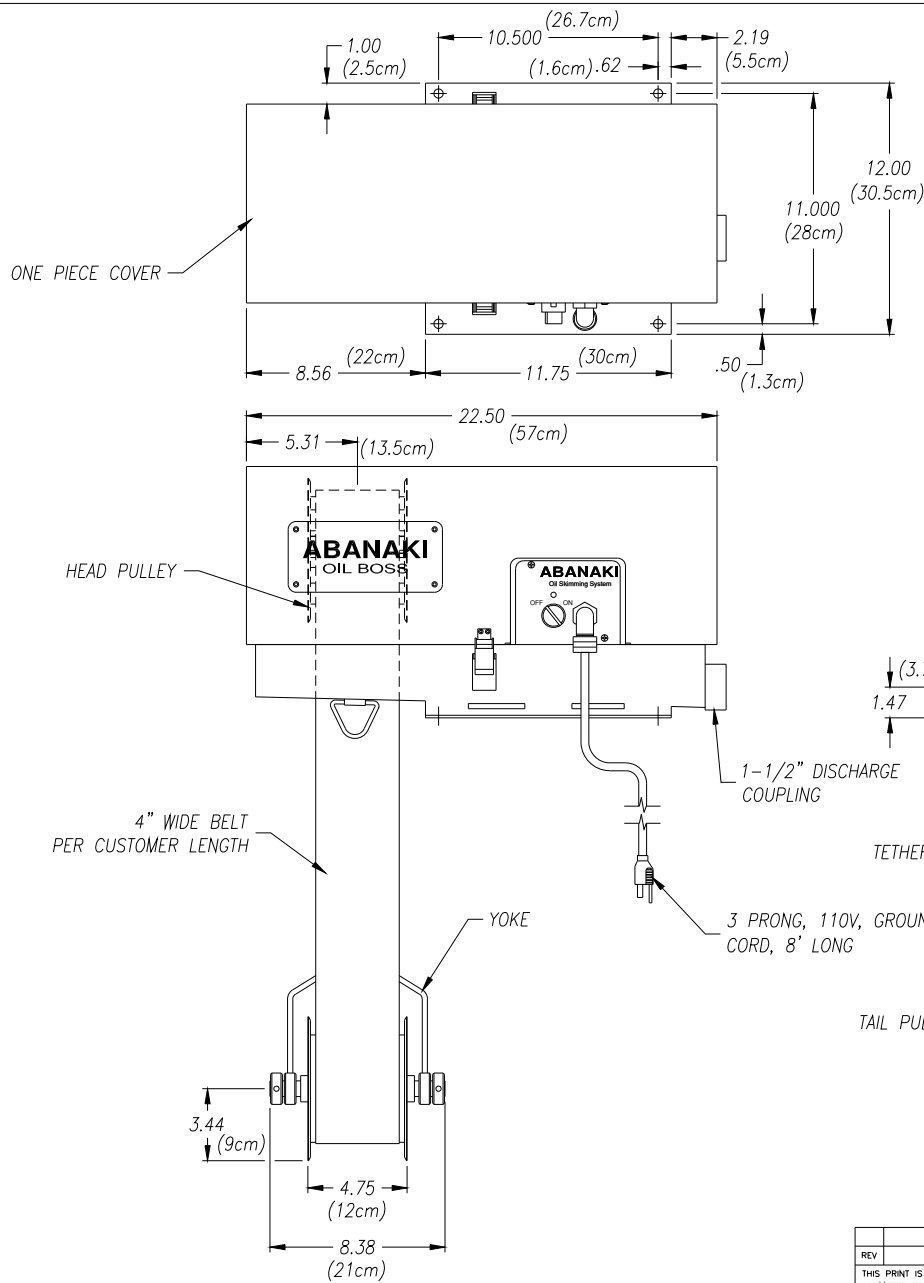


MINIMUM REQ'D OPENING

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**OIL BOSS SKIMMER
OVERALL DIMENSIONAL DRAWING**

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Oil Concentrator[®]: ODM-100, OC-110, OC-200

Quick Summary:

The Abanaki Oil Concentrator[®] offers complete oil/water separation for reuse or disposal of either liquid. Mounted at the discharge end of the oil skimmer, the Oil Concentrator receives the skimmed liquid directly from the skimmer. Based on the principle of gravity separation, water is decanted from the bottom, the lighter weight oil is removed from the top.

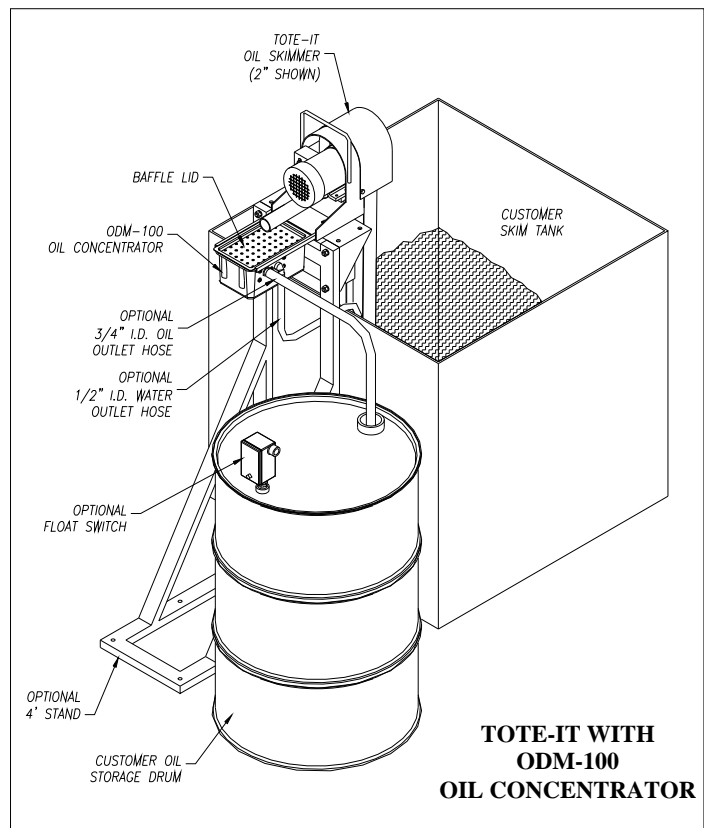
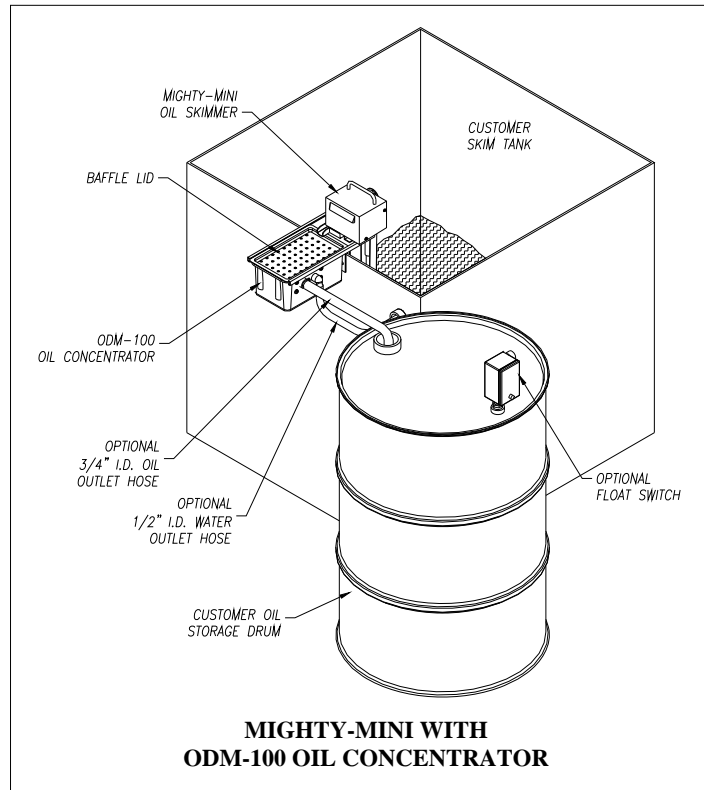
Highlights:

1. Non-electrical with no moving parts.
2. Sludge screen keeps large debris out of skimmed oil.
3. Minimal maintenance.
4. No skimmer modifications.
5. Easy mounting.
6. 3 sizes available.
7. The OC-110 offers a channel mount for indoor or outdoor applications, or a bracket mount for an open or sealed concentrator.

Quick Chart:

MODEL	CAPACITY	MATERIAL	OPTIONAL HEATER	OPTIONAL HOSE KIT	SKIMMER MODEL
ODM-100	.56 gallons 2.1 liters	Fiberglass	NO	YES	Mighty Mini 1" & 2" Tote-It 1" & 2"
OC-110	2.93 gallons 11 liters	Steel w/ corrosion- resistant coating	YES	YES	Tote-It 4" PetroXtractor PX-A, PX-B and PX-C Model 4 Model 8 ²
OC-200	16.87gallons 63.8 liters	Steel w/ corrosion- resistant coating	YES	YES	Multi-Belt Units

ABANAKI



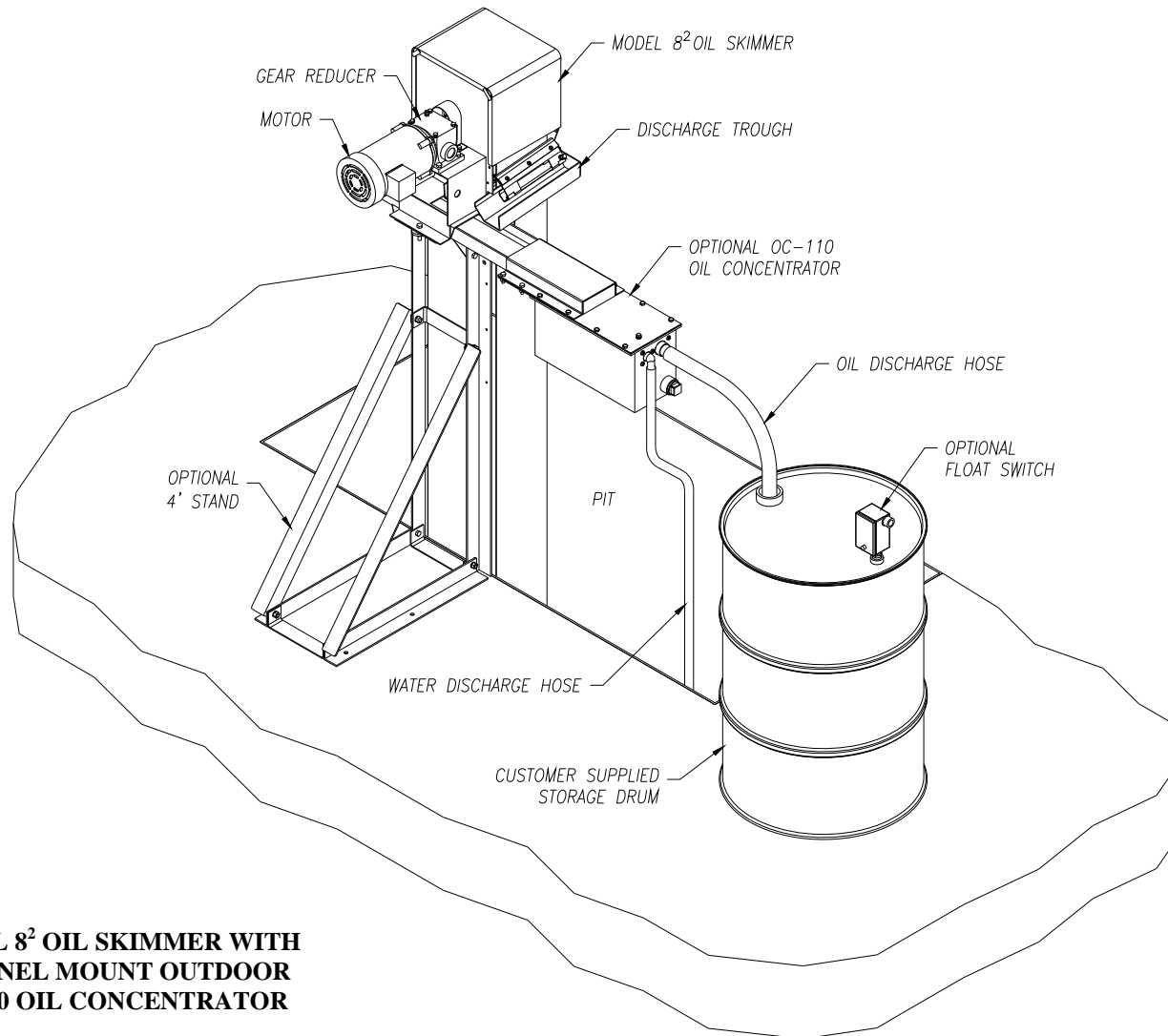
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17387 Munn Road Chagrin Falls, Ohio 44023 U.S.A.

Phone: 1-800-358-SKIM Fax: (440) 543-7404

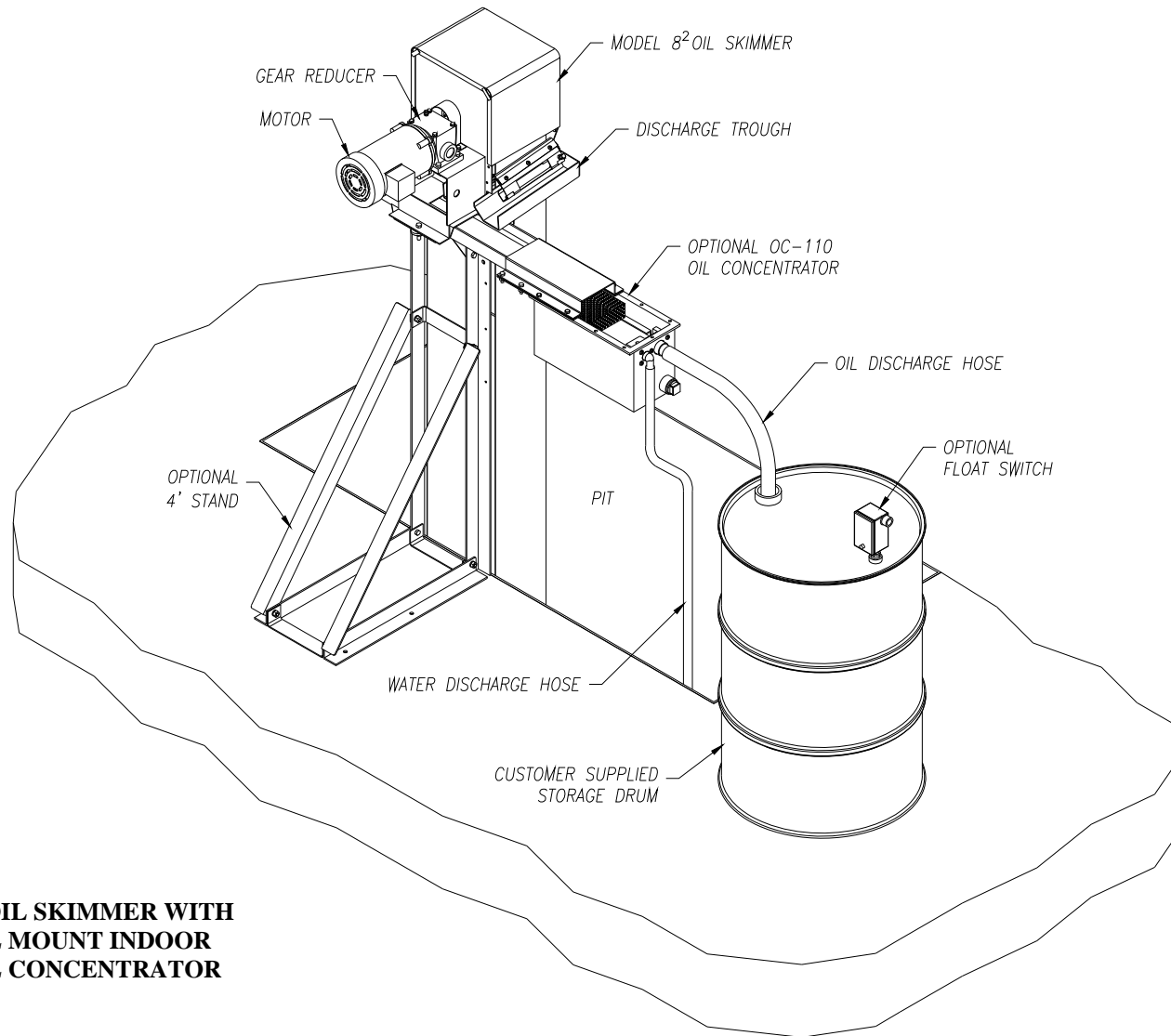
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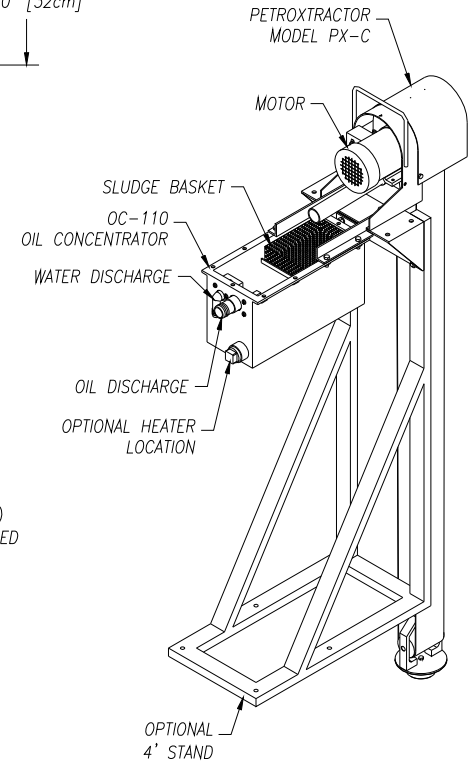
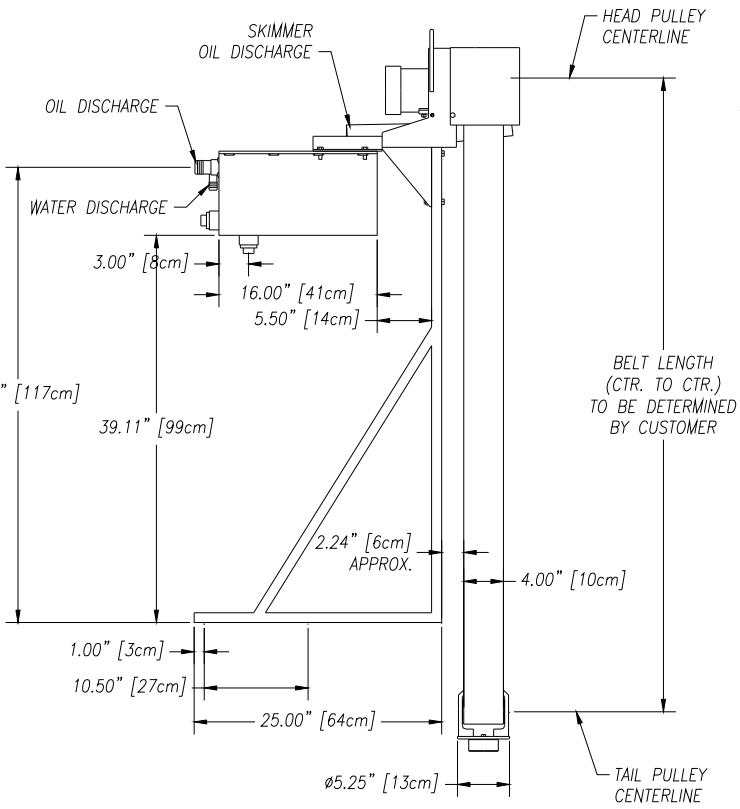
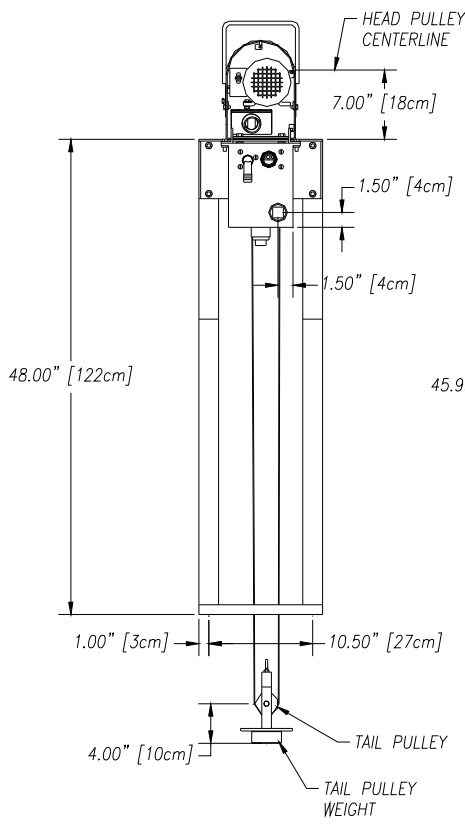
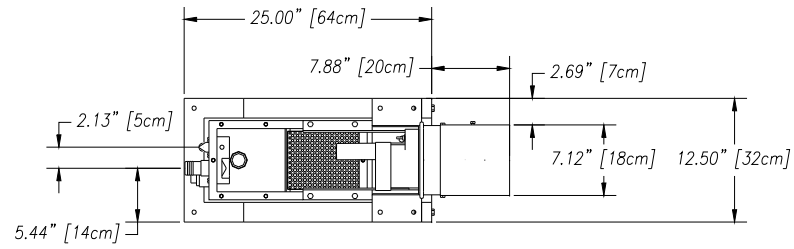


**MODEL 8² OIL SKIMMER WITH
CHANNEL MOUNT OUTDOOR
OC-110 OIL CONCENTRATOR**

ABANAKI



**MODEL 8² OIL SKIMMER WITH
CHANNEL MOUNT INDOOR
OC-110 OIL CONCENTRATOR**



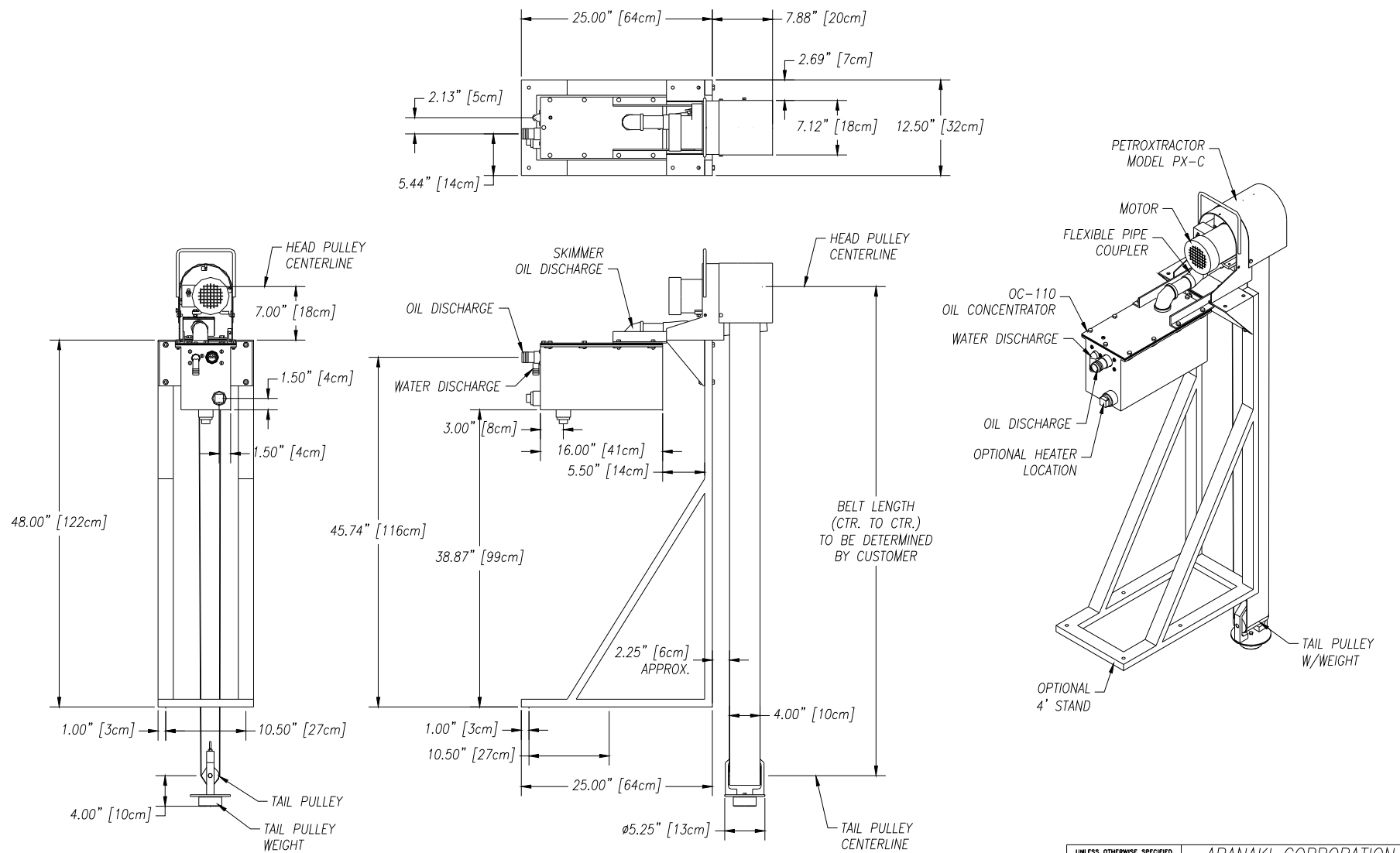
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PETROTRACTOR PX-C W/STAND
& OC-110 OPEN OIL CONCENTRATOR
OVERALL DRAWING



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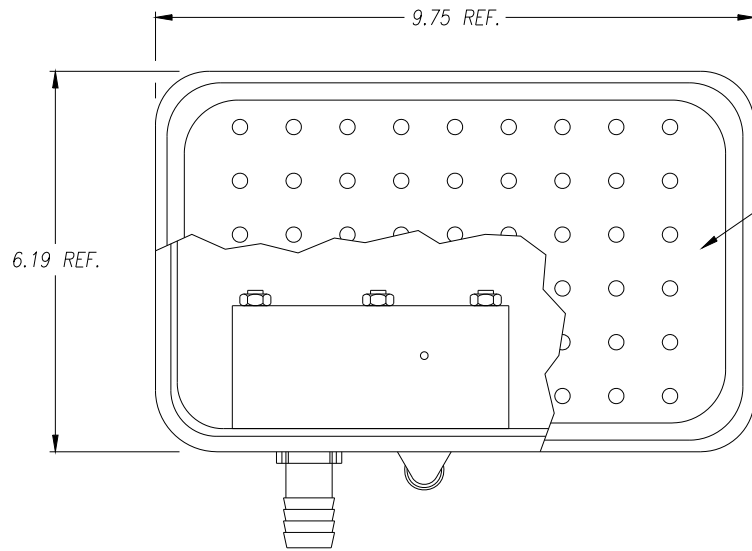
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**PETROTRACTOR PX-C W/STAND
& OC-110 SEALED OIL CONCENTRATOR
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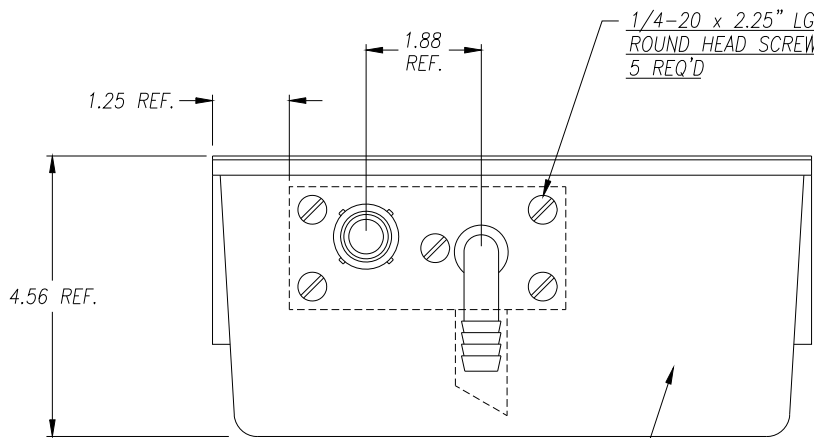
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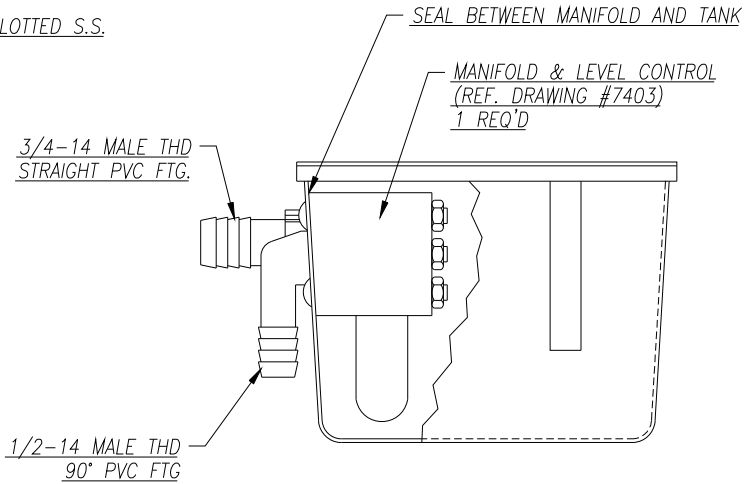
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ODM-100 MOUNTING BRACKET
(REF. DRAWING #DECAN-MT)
1 REQ'D



1/4-20 x 2.25" LG. SLOTTED S.S.
ROUND HEAD SCREW
5 REQ'D

ODM-100 DECANTER
W/HOLE PATTERN
(REF. DRAWING #MD-10)
1 REQ'D



NOTE:

DARK BLUE FIBERGLASS DECANTER TANK
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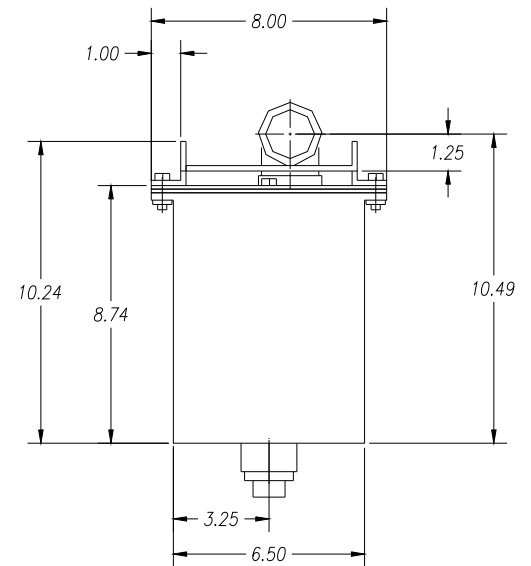
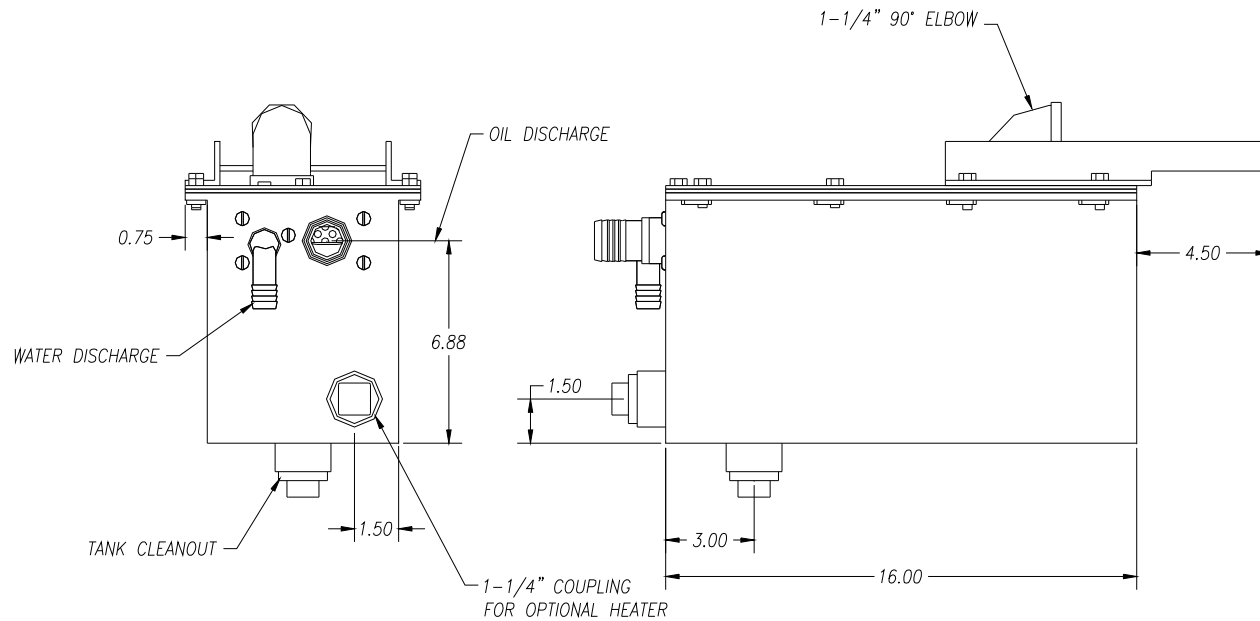
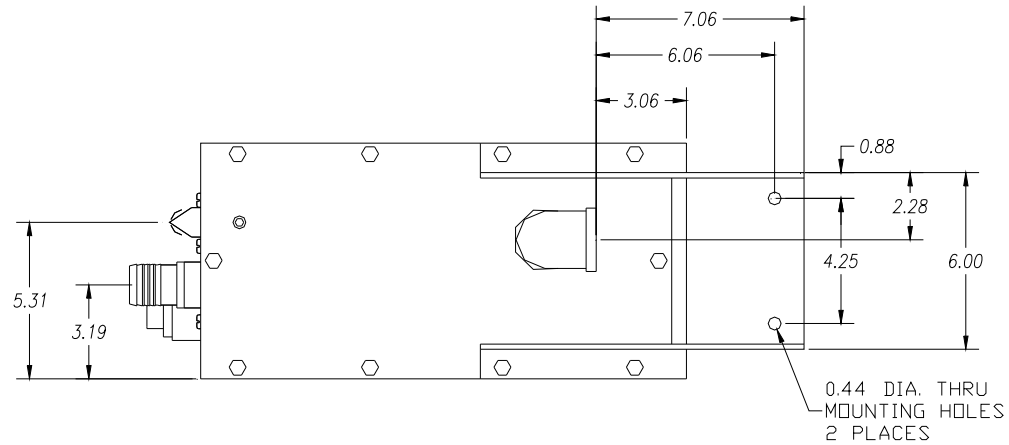
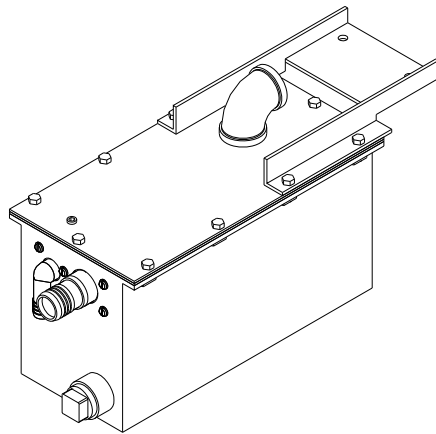
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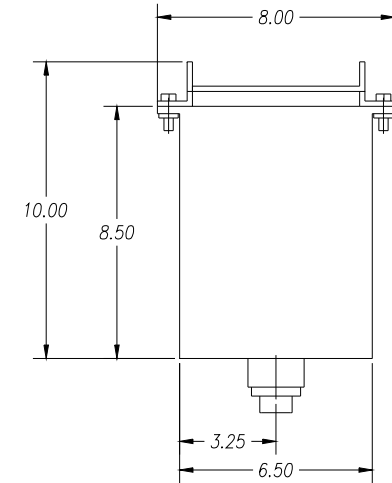
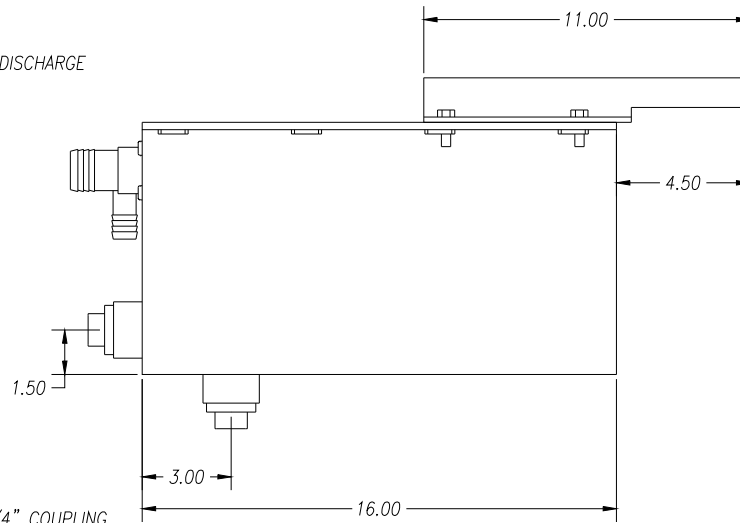
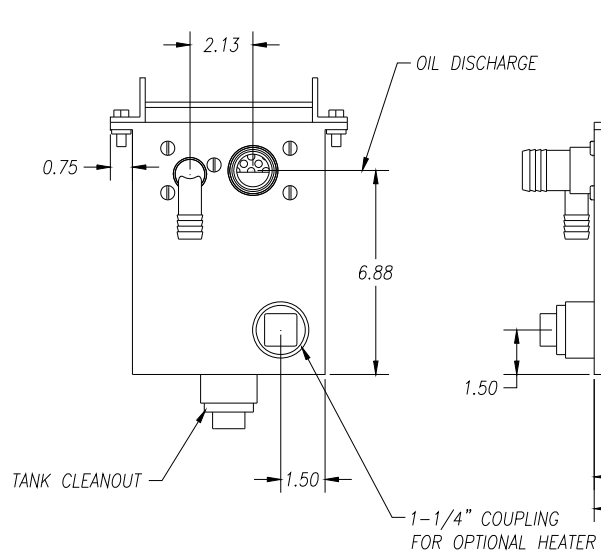
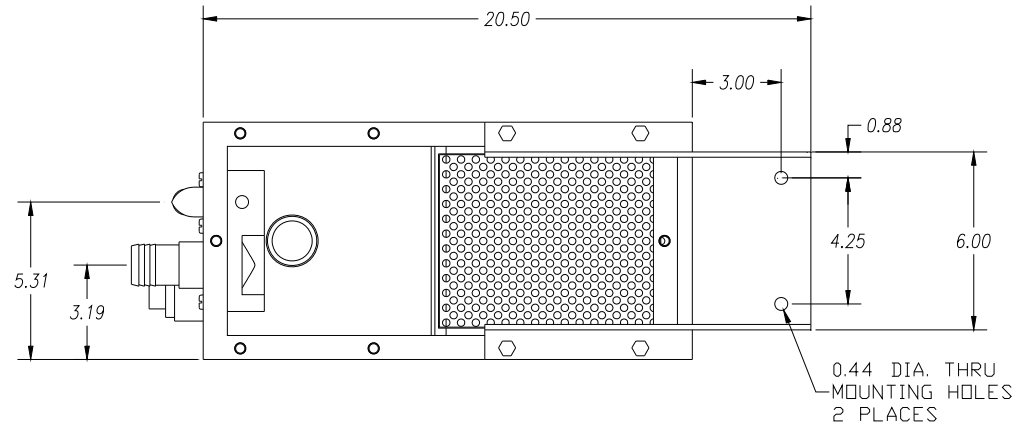
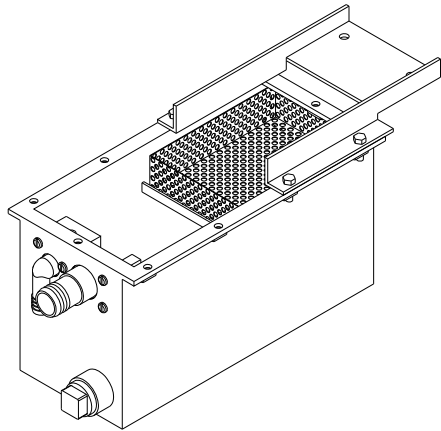
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OC-110 FLAT MOUNT
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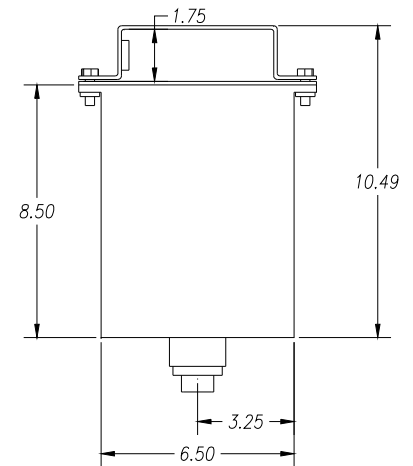
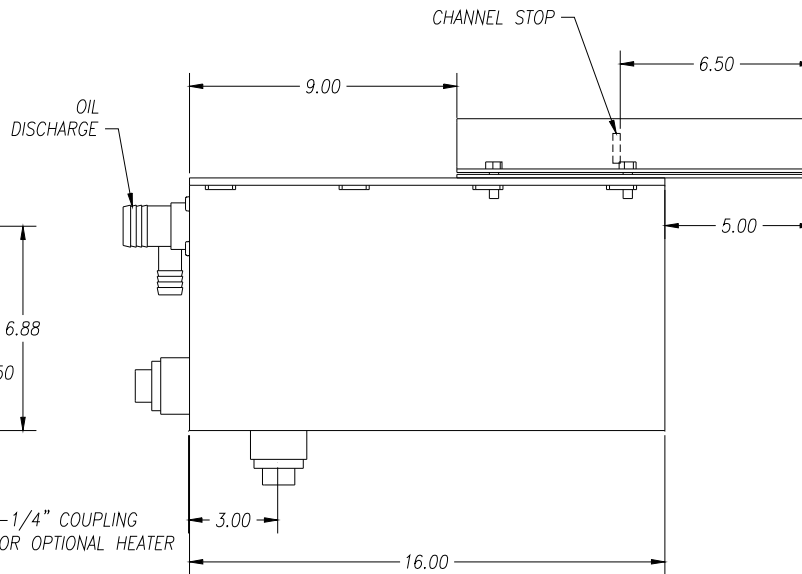
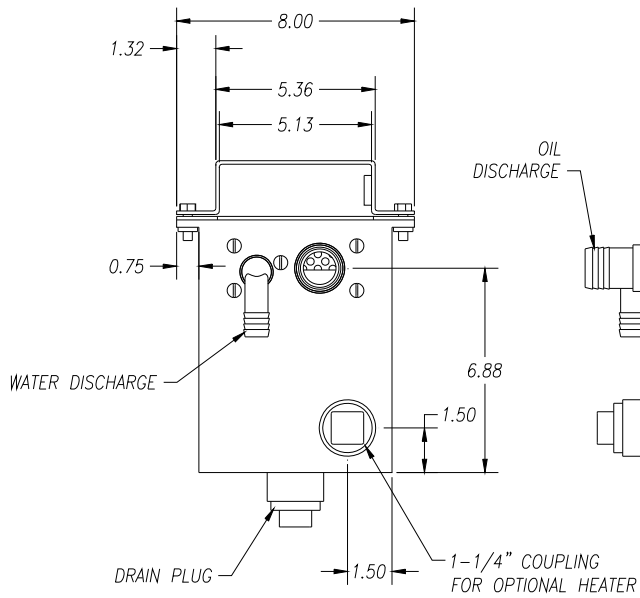
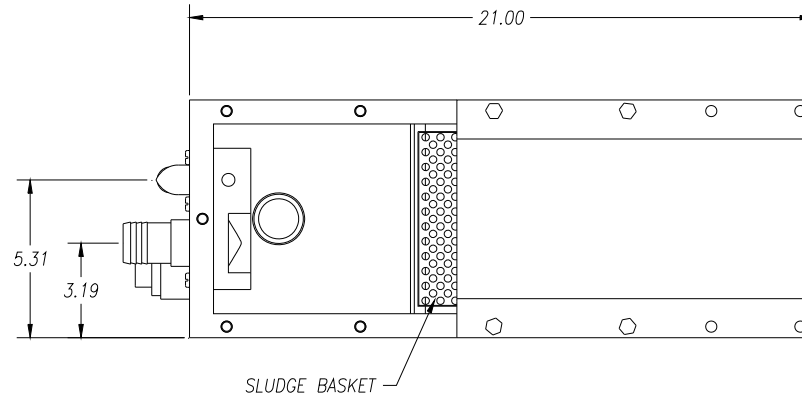
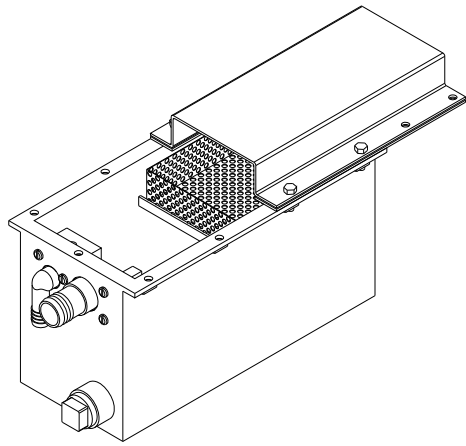
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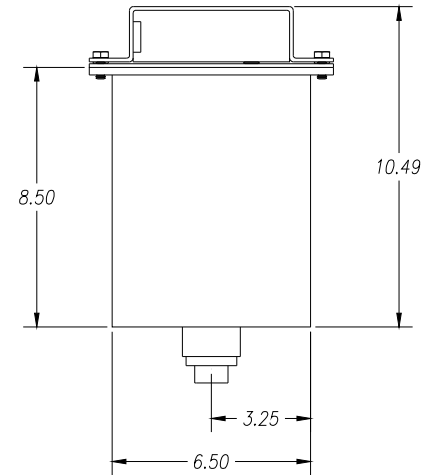
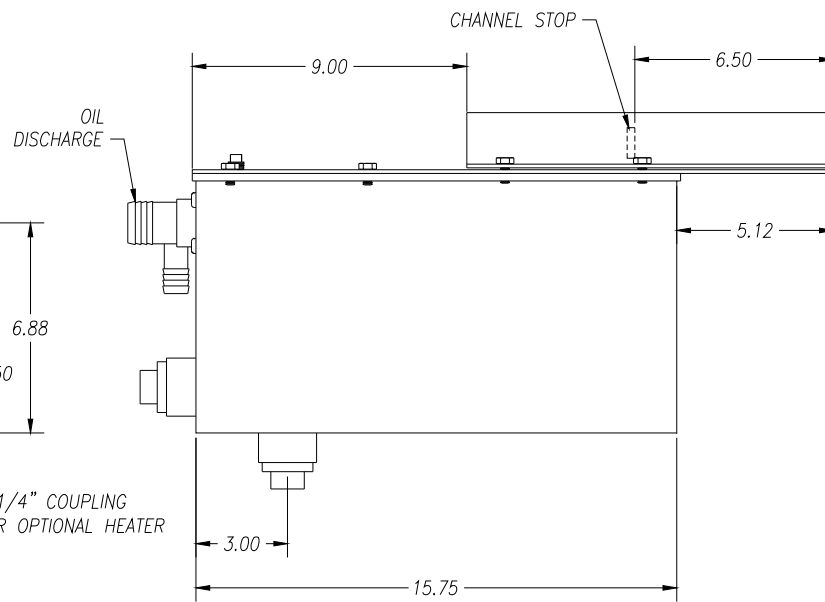
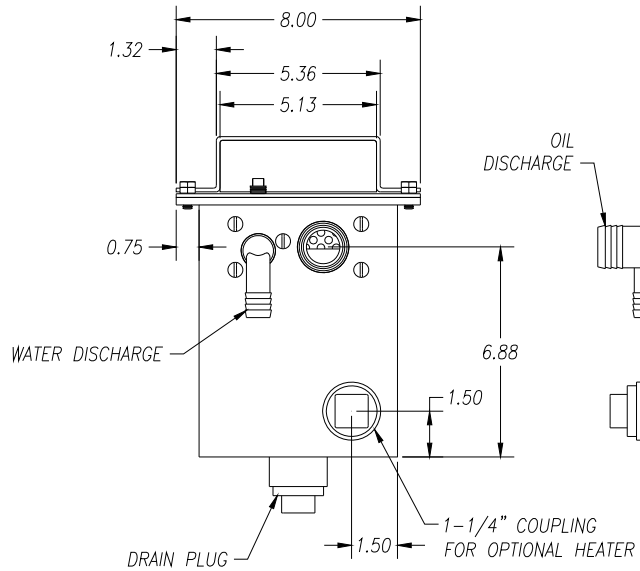
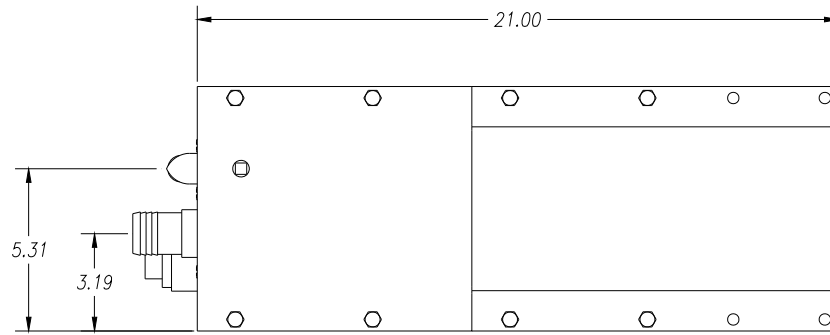
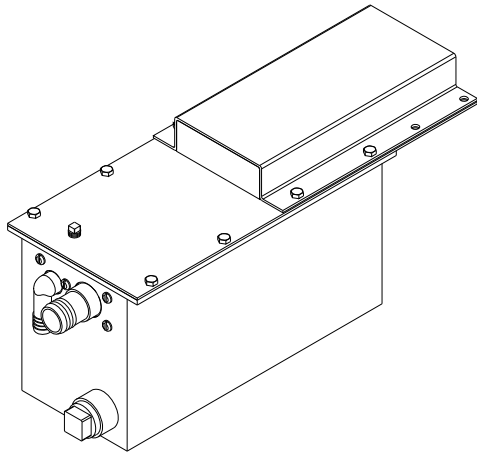
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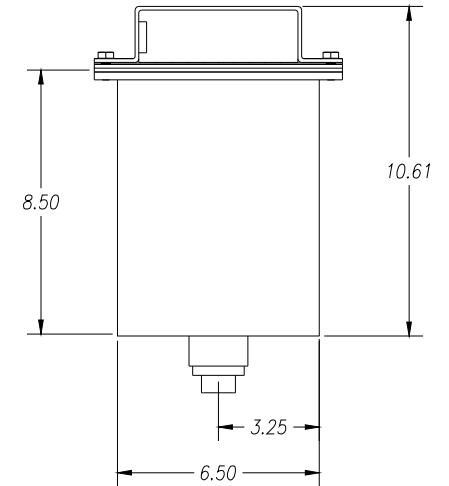
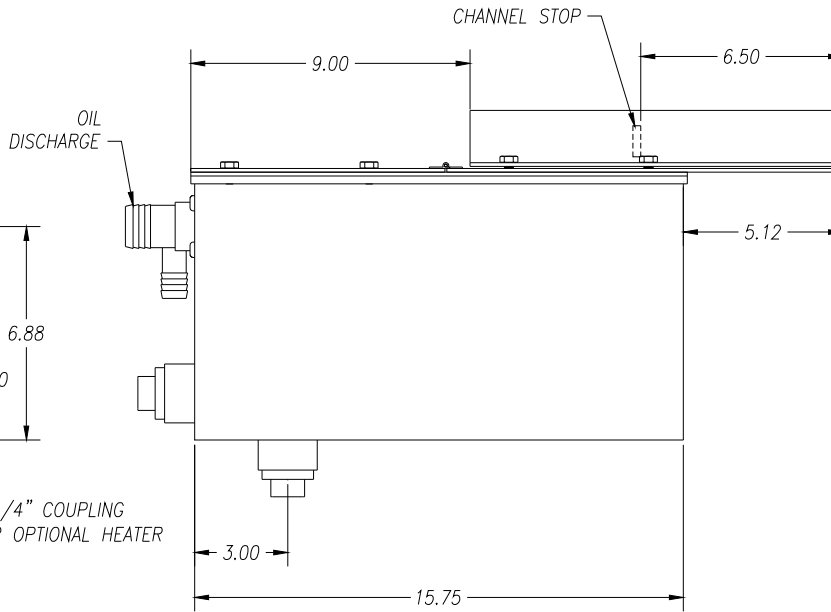
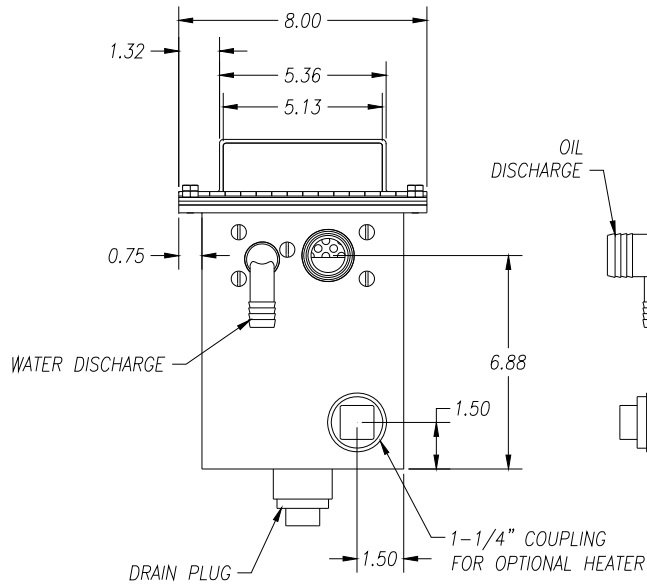
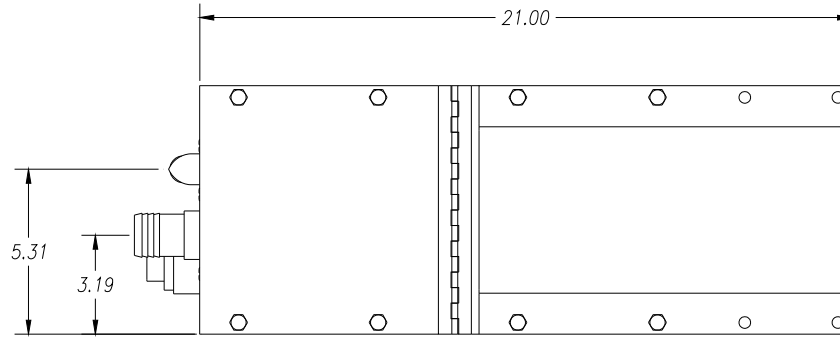
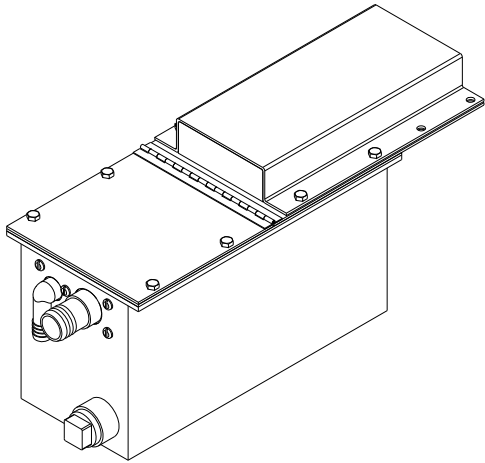
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**OC-110 OIL CONCENTRATOR
OUTDOOR CHANNEL MOUNT
OVERALL DRAWING**

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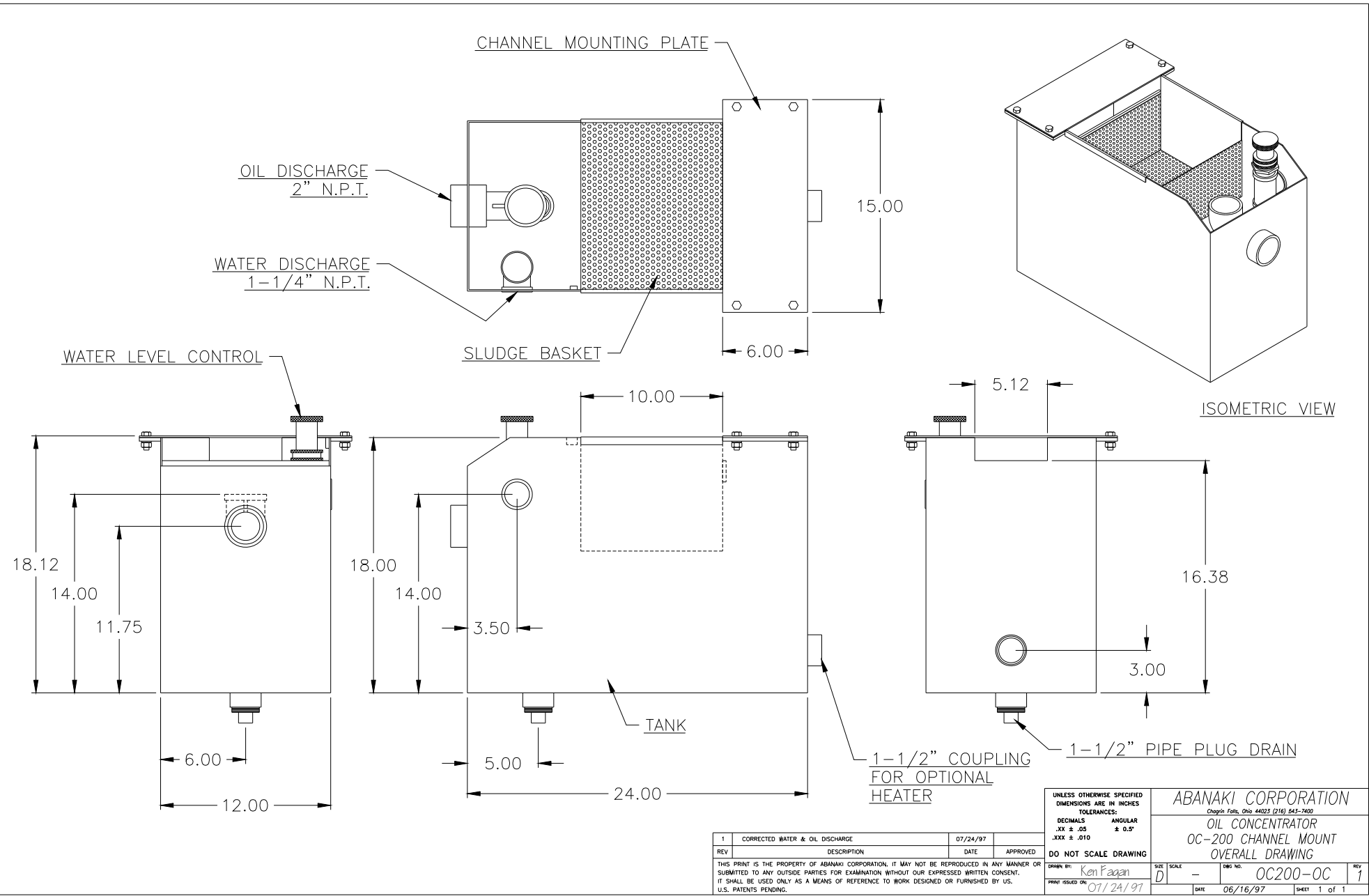
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1	CORRECTED WATER & OIL DISCHARGE	07/24/97	
REV	DESCRIPTION	DATE	APPROVED
THIS PRINT IS THE PROPERTY OF ABANAKI CORPORATION. IT MAY NOT BE REPRODUCED IN ANY MANNER OR SUBMITTED TO ANY OUTSIDE PARTIES FOR EXAMINATION WITHOUT OUR EXPRESSED WRITTEN CONSENT. IT SHALL BE USED ONLY AS A MEANS OF REFERENCE TO WORK DESIGNED OR FURNISHED BY US. U.S. PATENTS PENDING.			

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES:

DECIMALS .XX ± .05
.XXX ± .010

ANGULAR ± 0.5°

DO NOT SCALE DRAWING

DRAWN BY: Ken Fagan

PRINT ISSUED ON: 07/24/97

ABANAKI CORPORATION
Chopin Falls, Ohio 44023 (216) 843-7400

OIL CONCENTRATOR
OC-200 CHANNEL MOUNT
OVERALL DRAWING

SIZE: D

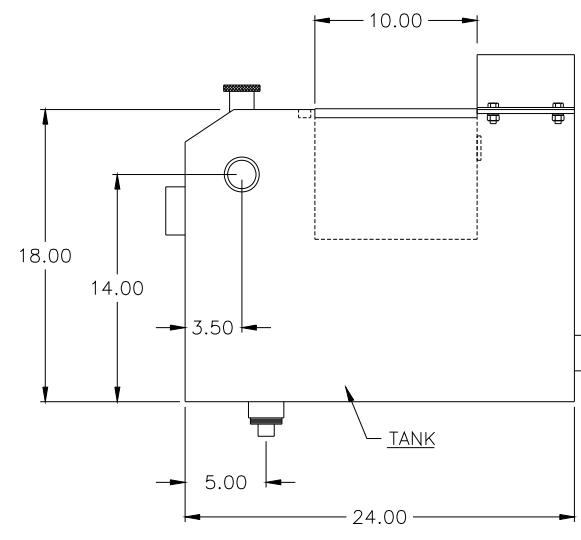
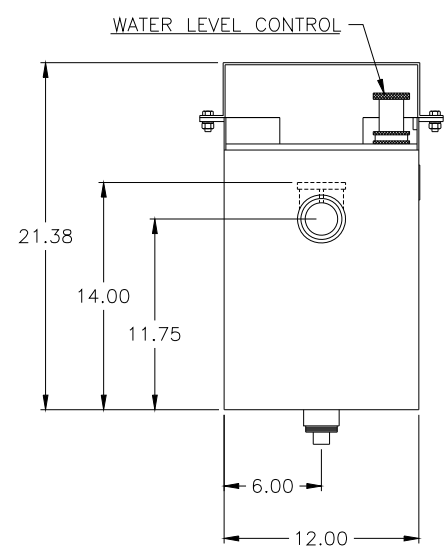
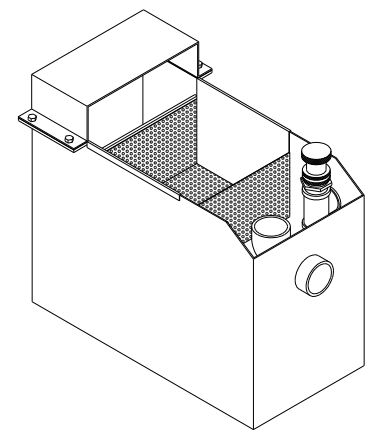
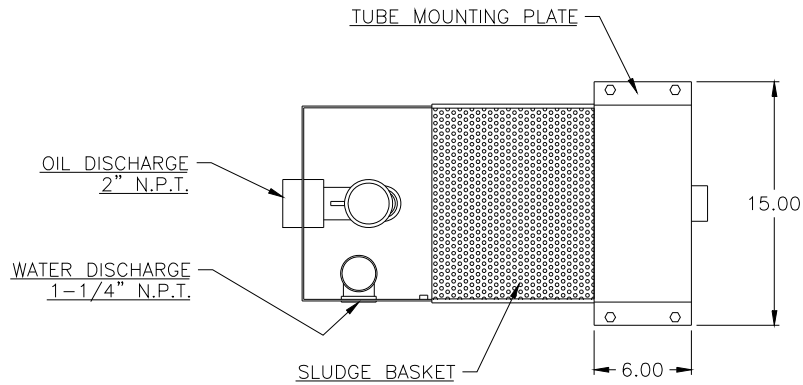
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DWG NO: OC200-OC

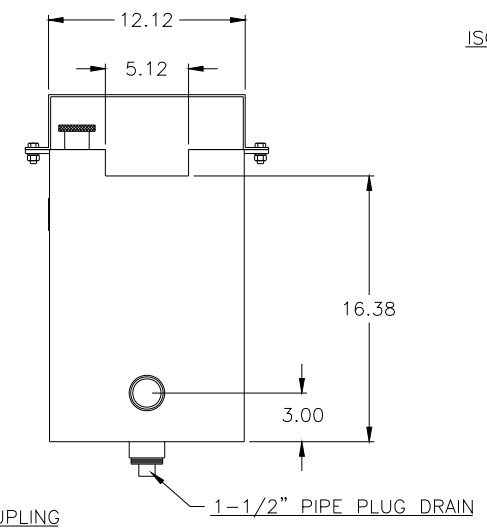
REV: 1

DATE: 06/16/97

SHEET: 1 of 1



1-1/2" COUPLING FOR OPTIONAL HEATER



REV	DESCRIPTION	DATE	APPROVED
1	CORRECTED WATER & OIL DISCHARGE	07/24/97	

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: DECIMALS .XX ± .05 .XXX ± .010		ABANAKI CORPORATION <small>Chagrin Falls, Ohio 44023 (216) 543-7400</small>	
DO NOT SCALE DRAWING		OIL CONCENTRATOR OC-200 TUBE MOUNT OVERALL DRAWING	
DRAWN BY: Ken Fagan	DATE: 07/24/97	SIZE: D	SCALE: -
PRINT ISSUED ON: 07/24/97	DATE: 06/16/97	DWG NO: OC200-OT	REV: 1
		SHEET 1 of 1	

Q-VAC™ 100

Quick Summary:

The Abanaki Q-VAC 100 Pump is a wet suction unit intended for suction of non-dusting industrial waste and is mounted directly on a standard barrel (bung barrel or ring lock barrel in cold-rolled or stainless steel plate, volume 55, 30 or 16 gallons). It is important that the barrel used is in good condition. To eliminate the risk of the barrel being sucked in by the vacuum created, the barrel must not be damaged in any way.



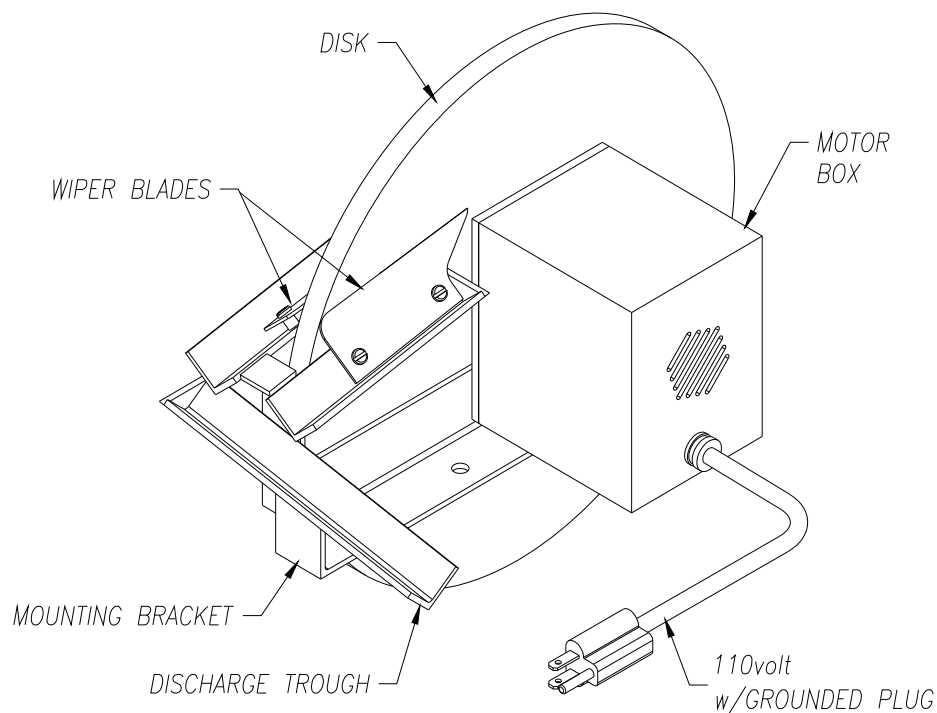
Mighty[®] Disk Skimmer

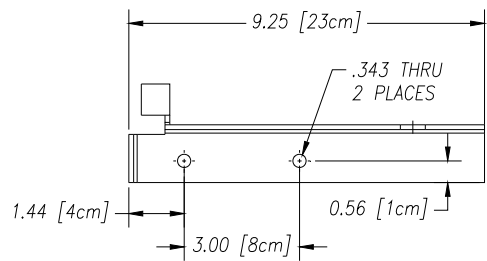
Quick Summary:

The inexpensive way to remove unwanted tramp oils from coolants and parts washers. Use it almost anywhere a flat surface is available for mounting. Weighs less than 10 pounds and installs in no time. Put it to work right out of the box, or add the optional coolant saving decanter for a more efficient skimming system.

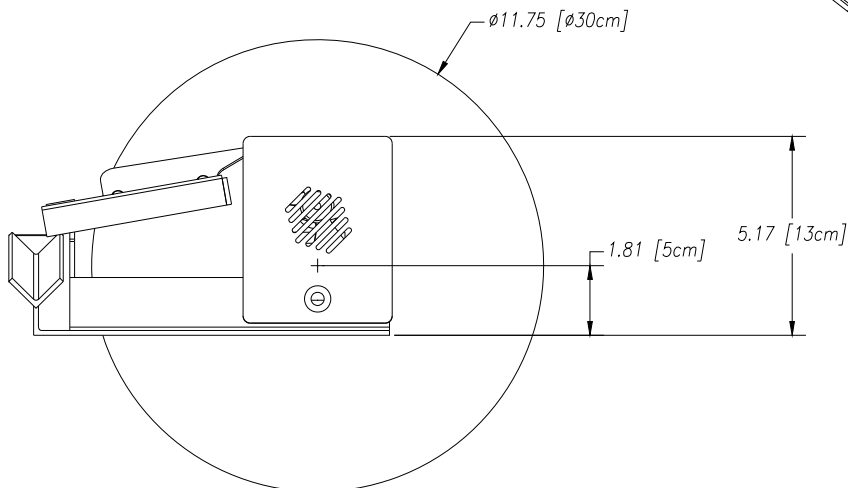
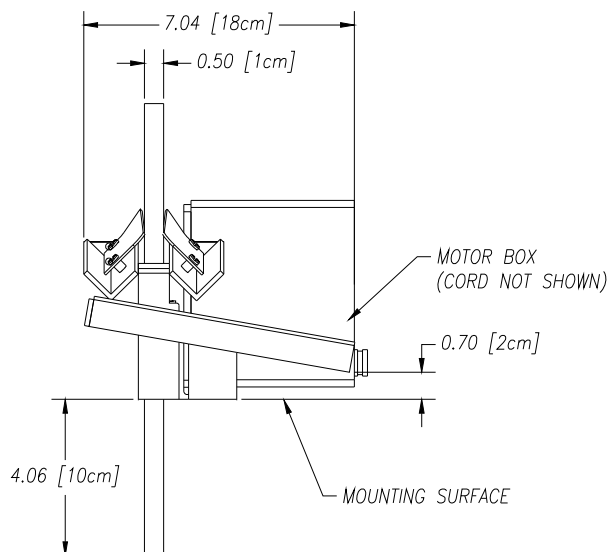
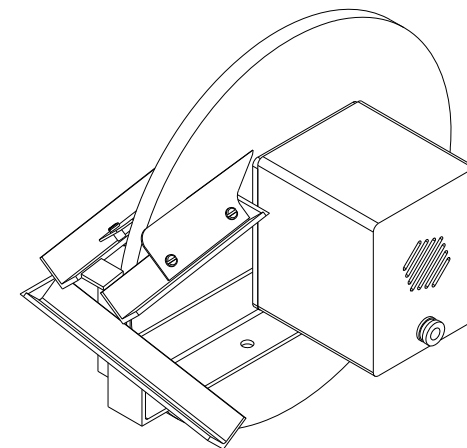
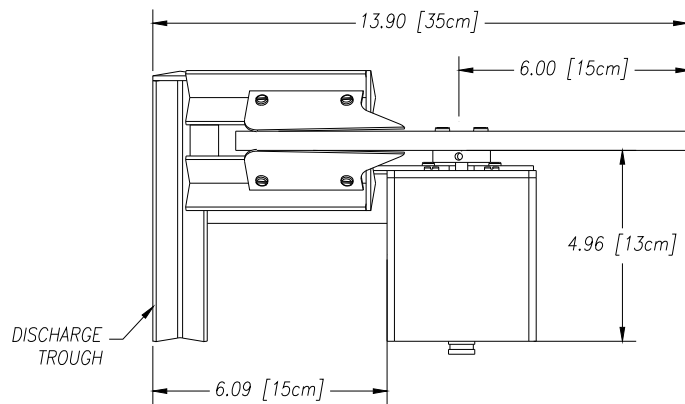
Highlights:

1. Disk available in 12" and 18" diameters.
 2. 110v 60Hz. fan-cooled motor.
 3. High temperature disk material available.
 4. Quality construction.
 5. Available in Stainless Steel with timer.
 6. Removes up to 1-1/2 gallons of medium weight oil per hour.
- Optional coolant saving decanter available.



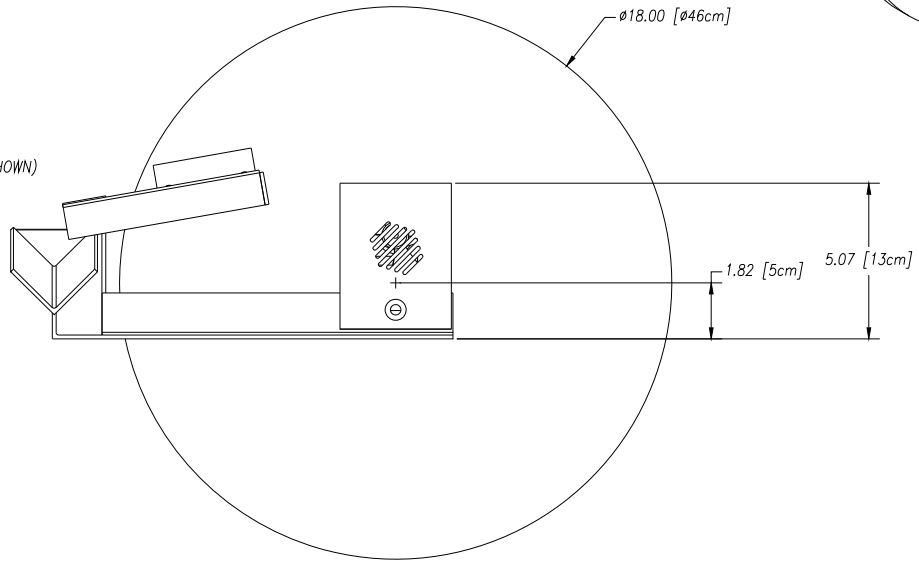
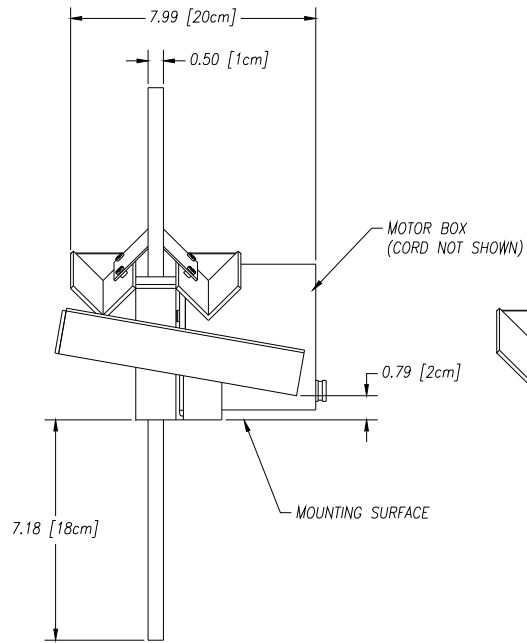
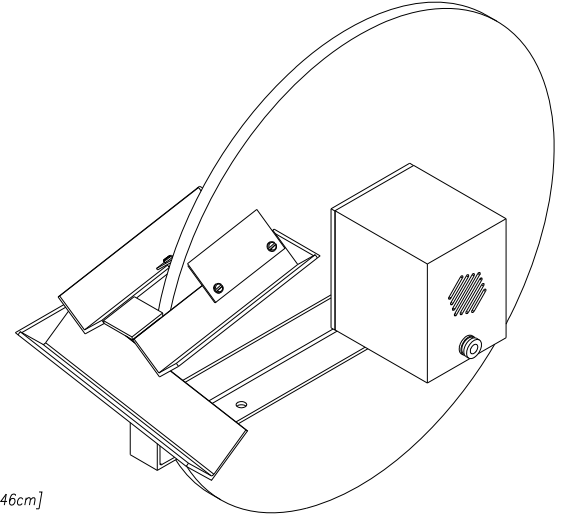
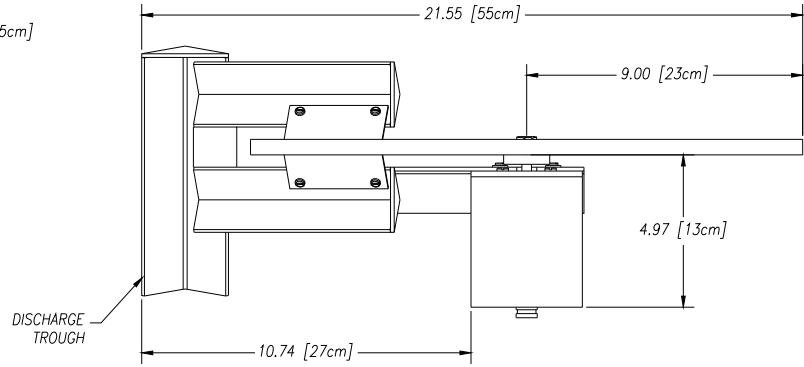
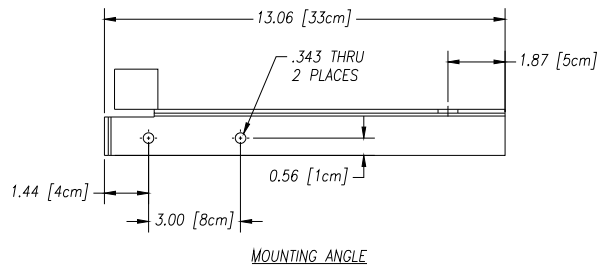


MOUNTING ANGLE



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ABANAKI CORPORATION <small>Chopin Falls, Ohio 44023 (440) 543-7400</small>	
TOLERANCES:		DISK SKIMMER	
DECIMALS	ANGULAR	12" UNIT	
.XX ± .05	± 0.5°	OVERALL DRAWING	
.XXX ± .010			
DO NOT SCALE DRAWING			
DRWN BY: Ken Fagan	SIZE: D	SCALE: -	REV NO: DISK12_ASSEMBLY02D_L2
PRINT ISSUED ON: 01/16/06	REPLACES:	DATE: 07/10/03	SHEET 1 of 1

1	11.75 WAS 12.00	01/16/06	APPROVED
REV	DESCRIPTION	DATE	APPROVED
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REV	DESCRIPTION	DATE	APPROVED

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS .XX ± .05
.XXX ± .010
ANGULAR ± 0.5°

DO NOT SCALE DRAWING

DRAWN BY: *Ken Fagan*
PRINT ISSUED ON: 07/22/03

ABANAKI CORPORATION
Chagrin Falls, Ohio 44023 (440) 543-7400

**DISK SKIMMER
18" UNIT
OVERALL DRAWING**

SIZE	SCALE	DWG. NO.	REV.
D	-	DISK18_ASSEMBLY02D_L2	0

REPLACES: DATE: 07/22/03 SHEET 1 of 1

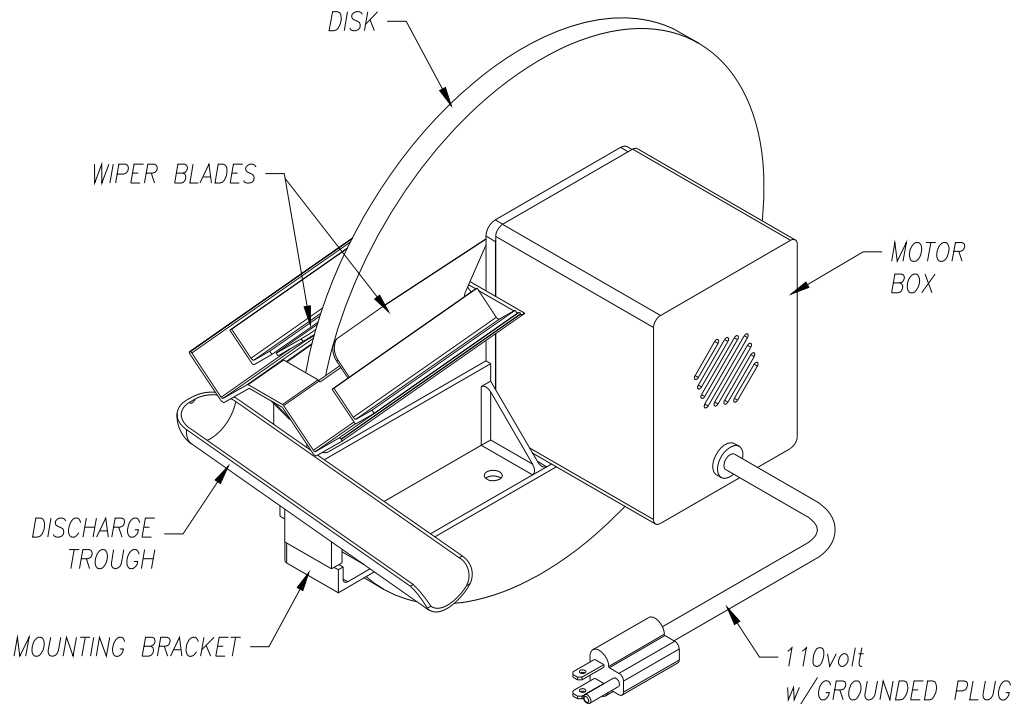
Cool Disk Skimmer

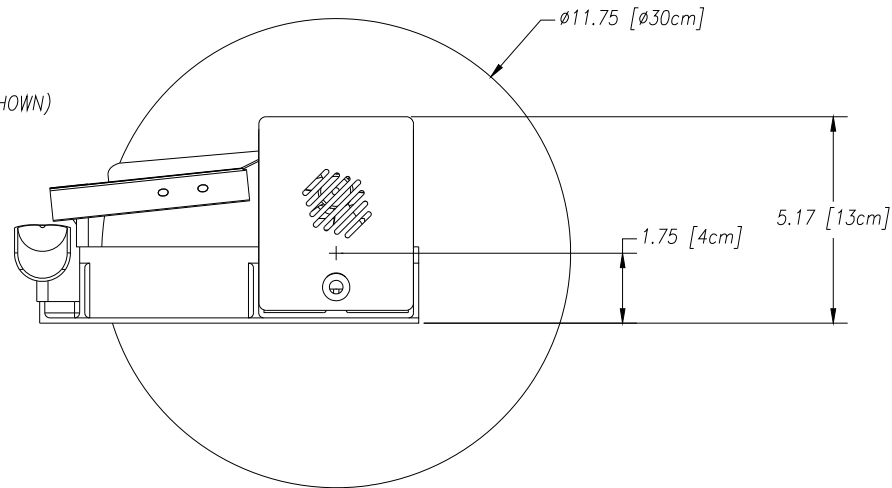
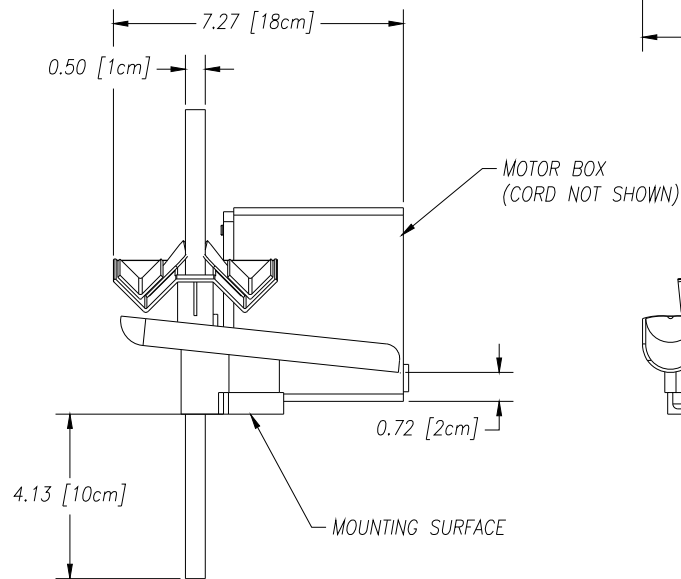
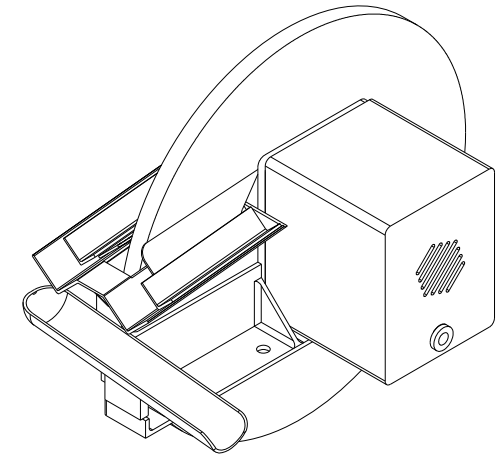
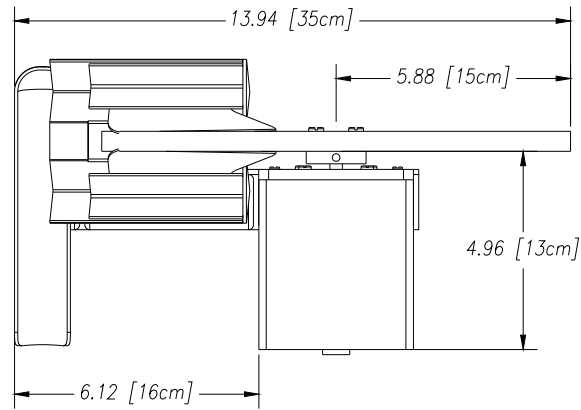
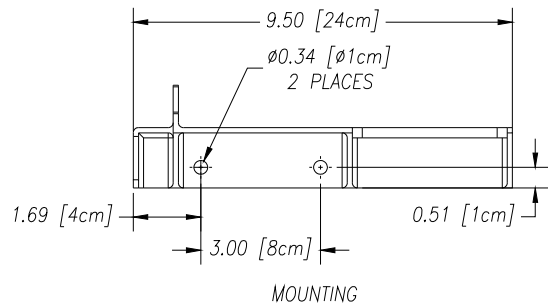
Quick Summary:

The inexpensive way to remove unwanted tramp oils from coolants and parts washers. New, sturdy, all plastic construction. Use it almost anywhere a flat surface is available for mounting. Weighs less than 9 pounds and installs in no time. Put it to work right out of the box.

Highlights:

1. Disk available in 12" and 18" diameters.
2. 110v 60Hz. fan-cooled motor.
3. High temperature disk material available.
4. Quality all plastic construction.
5. Removes up to 1-1/2 gallons of medium weight oil per hour.





UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES:
 DECIMALS .XX ± .05 ANGULAR ± 0.5°
 .XXX ± .010

ABANAKI CORPORATION
 Chagrin Falls, Ohio 44023 (440) 543-7400
 DISK SKIMMER (PLASTIC)
 12" UNIT
 OVERALL DRAWING

DO NOT SCALE DRAWING

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REV	DESCRIPTION	DATE	APPROVED

DRAWN BY: Ken Fagan
 PRINT ISSUED ON: 03/13/06
 SIZE: D
 SCALE: -
 DWG NO.: DISK12P_ASSEMBLY01_L4
 REV: 0
 REPLACES: -
 DATE: 03/13/06
 SHEET 1 of 1

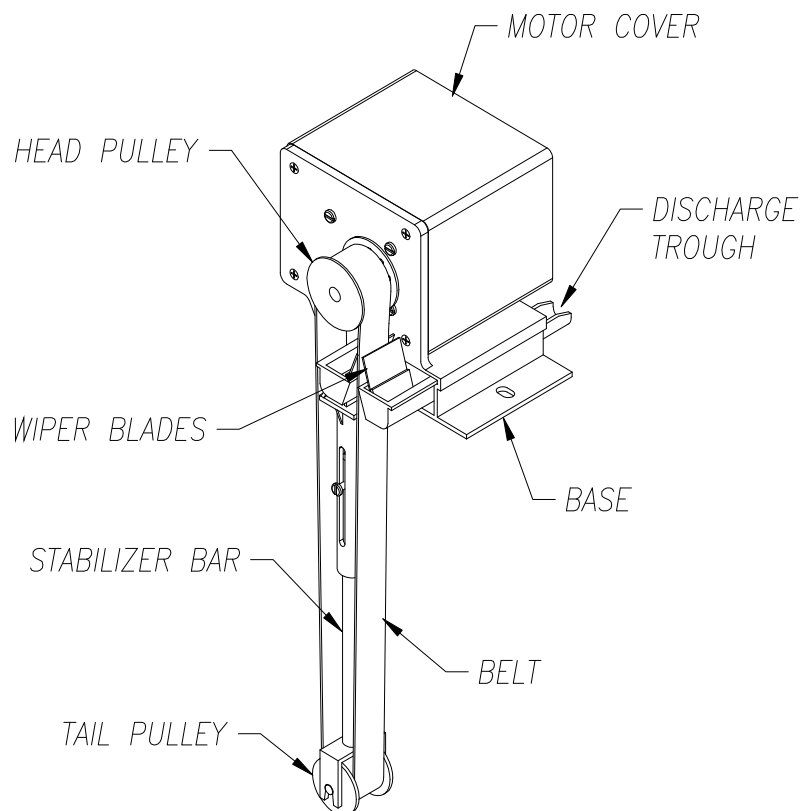
Li'l Blue Skimmer

Quick Summary:

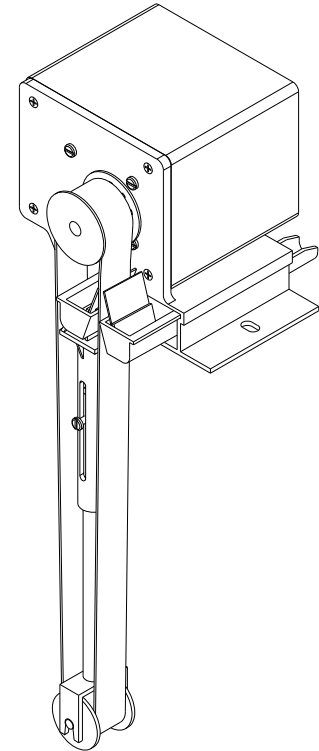
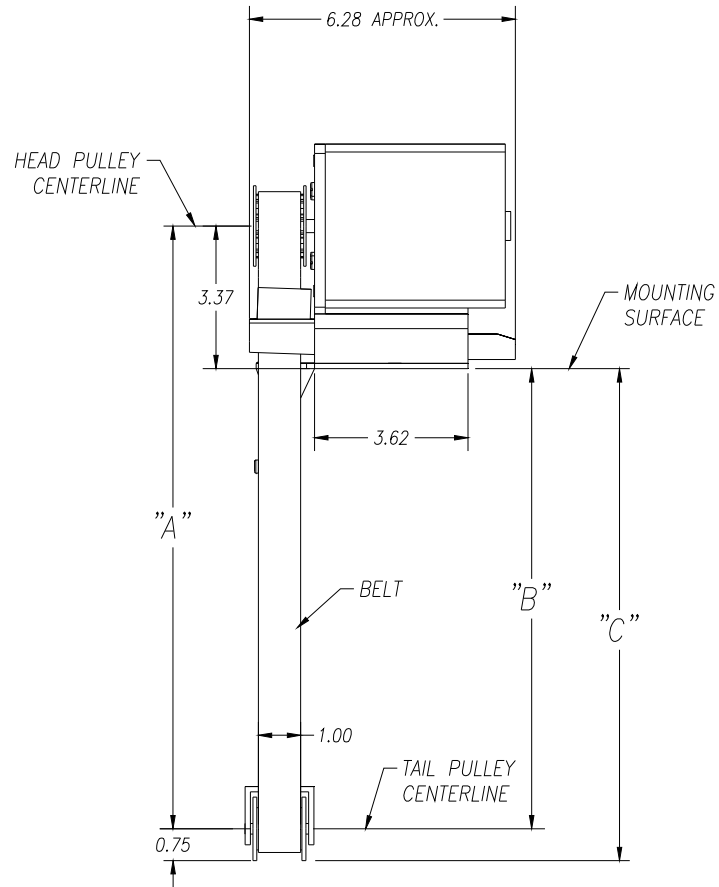
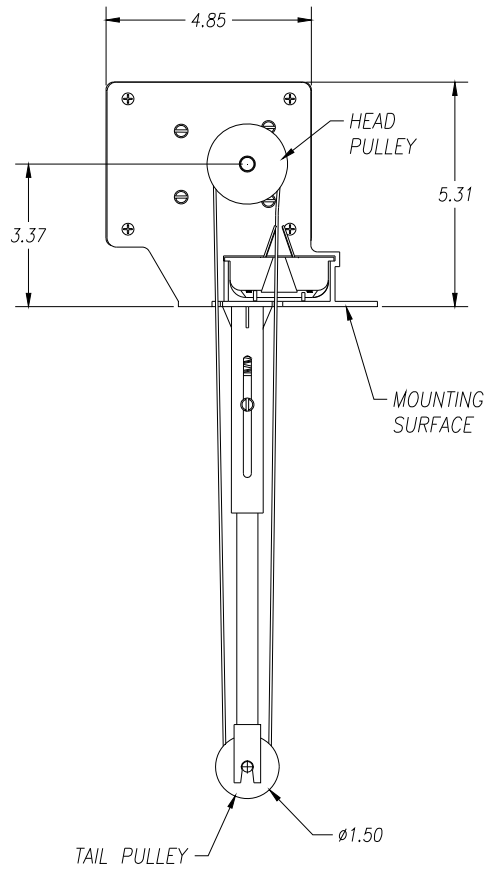
The economical solution to remove unwanted oil in coolants and parts washers. New, sturdy, polymer construction. Use it here today, there tomorrow. Weighs only 6 pounds and installs in seconds.

Highlights:

1. Fan-cooled motor.
2. 1" oleophilic belts or specially-engineered plastic belts.
3. Both sides of belt are wiped for better efficiency.
4. Engineered polymer base and housing.
5. Spring-loaded stabilizer bar
6. Weighs only 6 pounds.



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BELT LENGTH	"A"	"B"	"C"
8"	10.25	6.88	7.63
12"	14.25	10.88	11.63
18"	20.25	16.88	17.63
24"	26.25	22.88	23.63

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ABANAKI CORPORATION Chagrin Falls, Ohio 44023 (440) 843-7400	
TOLERANCES:		LIL' BLUE OIL SKIMMER	
DECIMALS	ANGULAR	BELT LENGTH	
.XX ± .05	± 0.5°	LAYOUT DRAWING	
.XXX ± .010		DO NOT SCALE DRAWING	
REV	DESCRIPTION	DATE	APPROVED
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DRAWN BY:	Ken Fagan	SIZE	SCALE
PRINT ISSUED ON:	09/17/09	D	-
REPLACES:		DEG. NO.:	REV
		MMP1-BELTDIM	0
DATE:		SHEET	
09/17/09		1 of 1	

Oil Viper Tube Skimmer

Quick Summary:

Removes floating surface oils in industrial or food processing use.

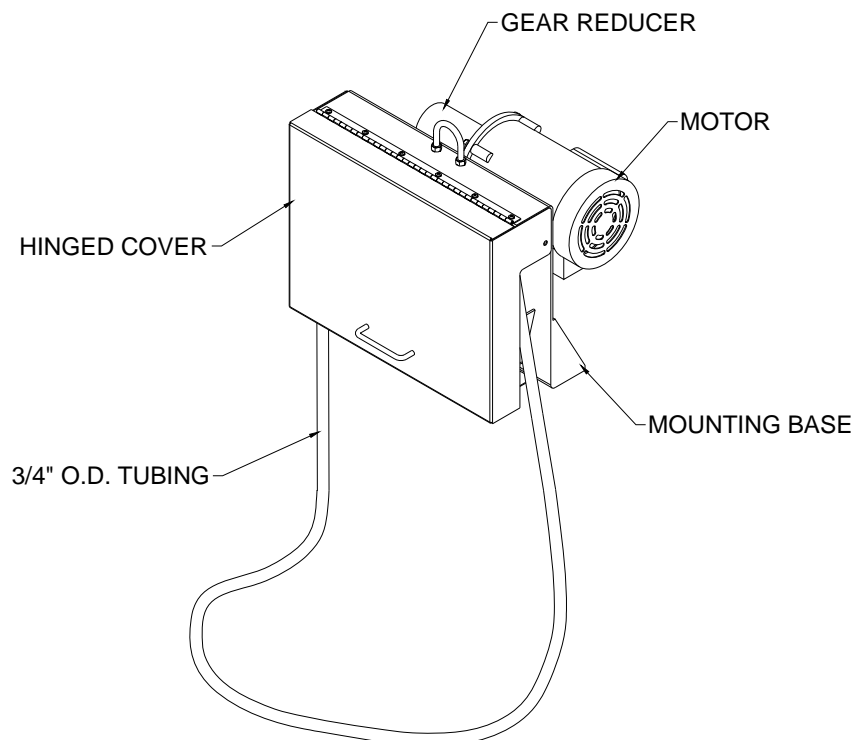
Effectively removes floating surface oils by means of a oleophilic (oil attracting) 3/4 inch diameter continuous looped tube. The tube extends out over the surface of the tank or pit and collects the free floating oils.

The Oil Viper has a specially designed method for removing the oil from the tube. It has a unique wiper combination attached to the tube itself in addition to the ceramic wiper on the skimmer.

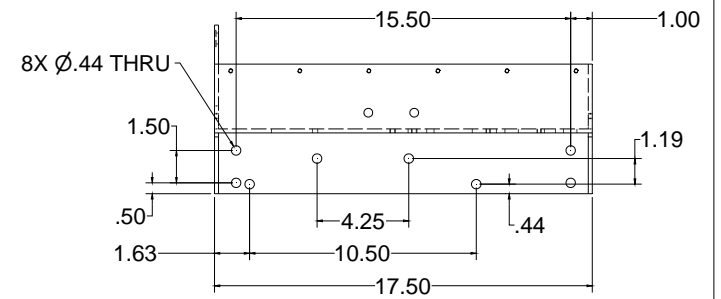
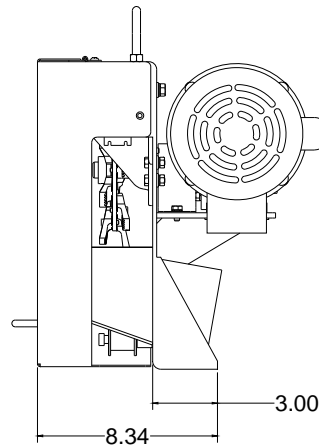
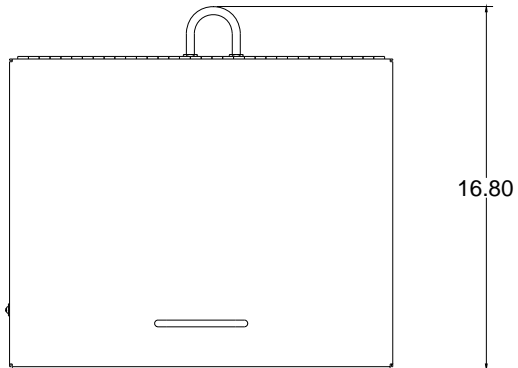
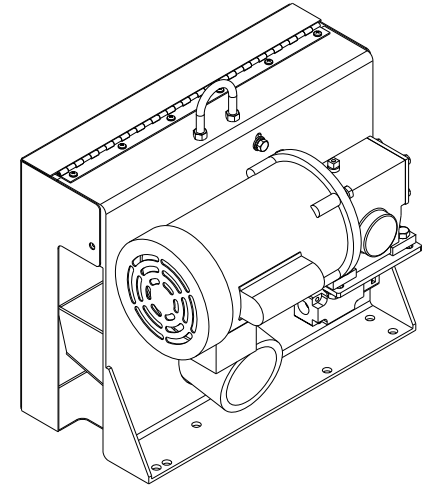
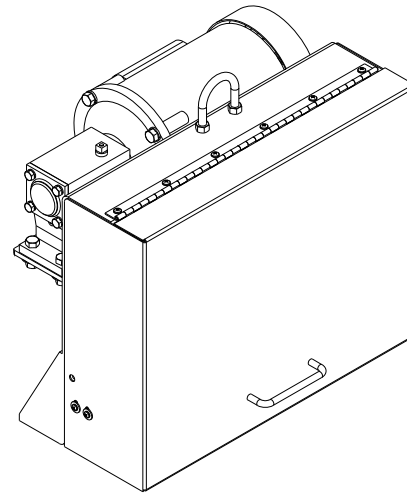
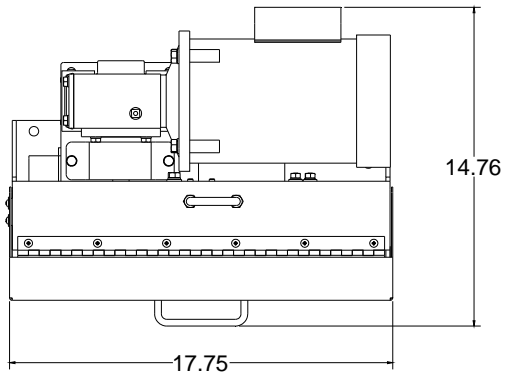
The result is a virtually oil free tube as it leaves the skimmer for quicker oil removal. Removal rates can be as high as one hundred gallons per hour.

Highlights:

1. Compact design fits almost any tank or pit.
2. Explosion Proof motors available.
3. Tubes with up to 100 ft. reach.
4. Safety shutoff switch for safe maintenance.
5. Simple and effective drive design for lasting performance.
6. Unique wiping system for more effective oil removal.



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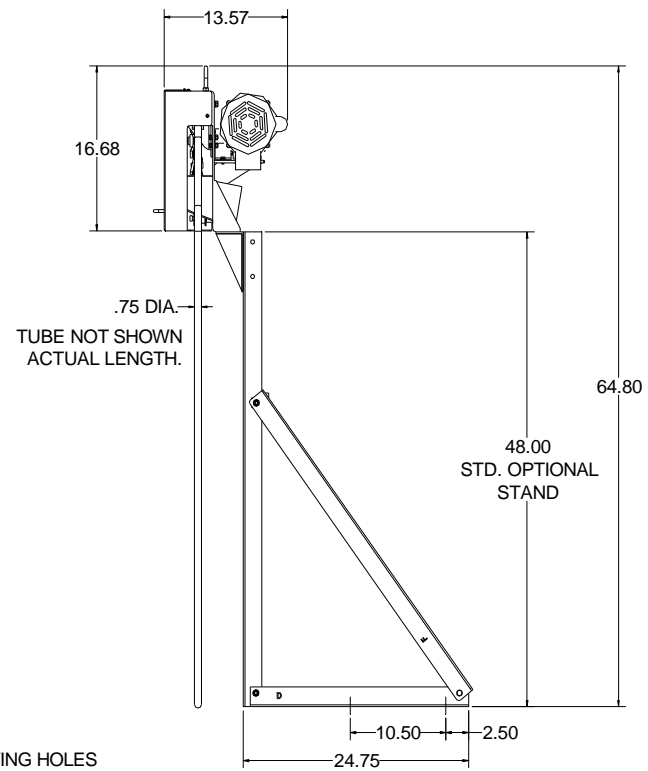
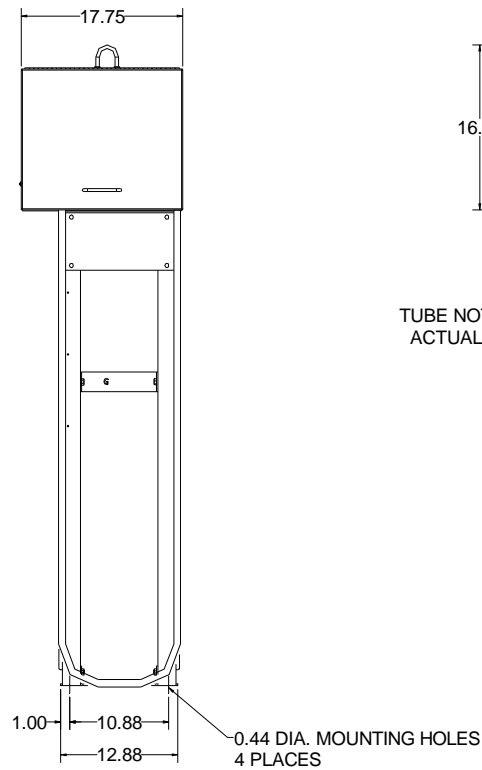
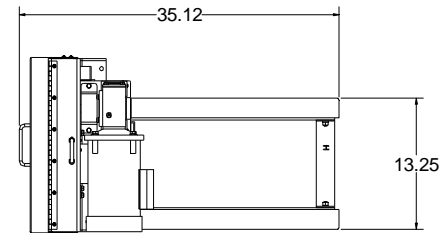
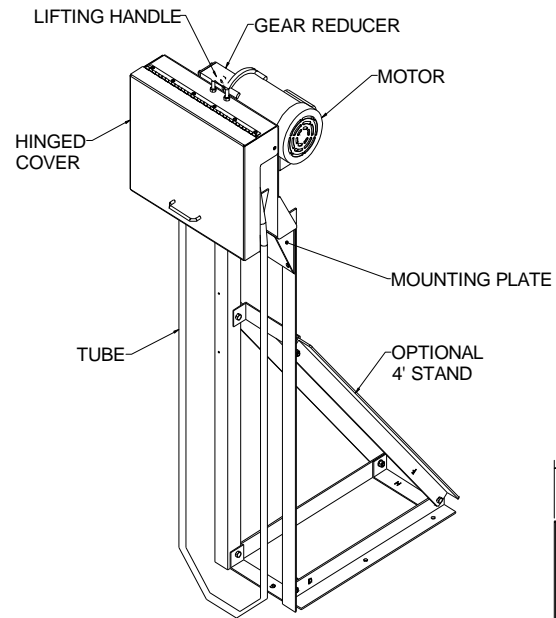


MOUNTING HOLES

3/4" O.D. TUBE NOT SHOWN

DRAWN K Fagan CHECKED	3/29/2010	ABANAKI CORPORATION 17387 Munn Rd. Chagrin Falls, Ohio 44023 (440) 543-7400	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: DECIMALS .XX ± .05 .X ± .1 .XXX ± .010 DO NOT SCALE DRAWING		TITLE Oil Viper Tube Skimmer Overall Drawing	
		SIZE Viper Tube-Assy-Main	DWG NO REV 0
		SCALE	SHEET 1 OF 2

ABANAKI



DRAWN K Fagan	3/31/2010	ABANAKI CORPORATION 17387 Mann Rd, Chagrin Falls, Ohio 44023 (440) 543-7400	
CHECKED		TITLE Oil Viper Tube Skimmer Mounted on Optional 4' High Stand Overall Drawing	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DWG NO Viper-Tube-Assy-Stand01	
TOLERANCES DECIMALS ANGULAR .XX ± .1 ±10°		SCALE	REV 0
DO NOT SCALE DRAWING		SHEET 1 OF 1	