

**Power Train System**

Engine: Deutz 3.6T T4F 75Hp @ 2200 Rpm Water cooled.

Fuel Capacity: 28 U.S. Gallons

**TRANSMISSION: T-18**

**RATIOS**

- 1st Gear 6.32:1
- 2nd Gear 3.09:1
- 3rd Gear 1.69:1
- 4th Gear 1.00:1
- Reverse 7.44:1

**Planetary Gearbox Ratio 54:1** Fairfield S20 Gear Box

Auger Drive: 3" or 4" Hex & 5" Hex

Working Range: 12" to 36" Earth Boring ; Pipe Jacking

**Machine Torque values below are at 2200 RPM**

**(Max engine torque is at 1700 rpm for a 22% torque rise over figures below)**

Transmission Ratios	Planet Drive Ratio	Max Torque Ft-Lbs	Max Torque In-Lbs	Output Rpm
1st Gear 6.32	54	64,843	778,118	7.6
2nd Gear 3.09	54	31,703	380,440	13.2
3rd Gear 1.69	54	17,339	208,073	24.1
4th Gear 1.00	54	10,260	123,120	40.7
Reverse 7.44	54	76,334	916,012	5.5

**D36-500**

**MICHAEL BYRNE MANUFACTURING**

1855 EARTH BORING RD., PO BOX 444 MANSFIELD, OH 44901

www.byrnegroup.com

Office: (419)525-1214

Toll Free: (800) 613-7206

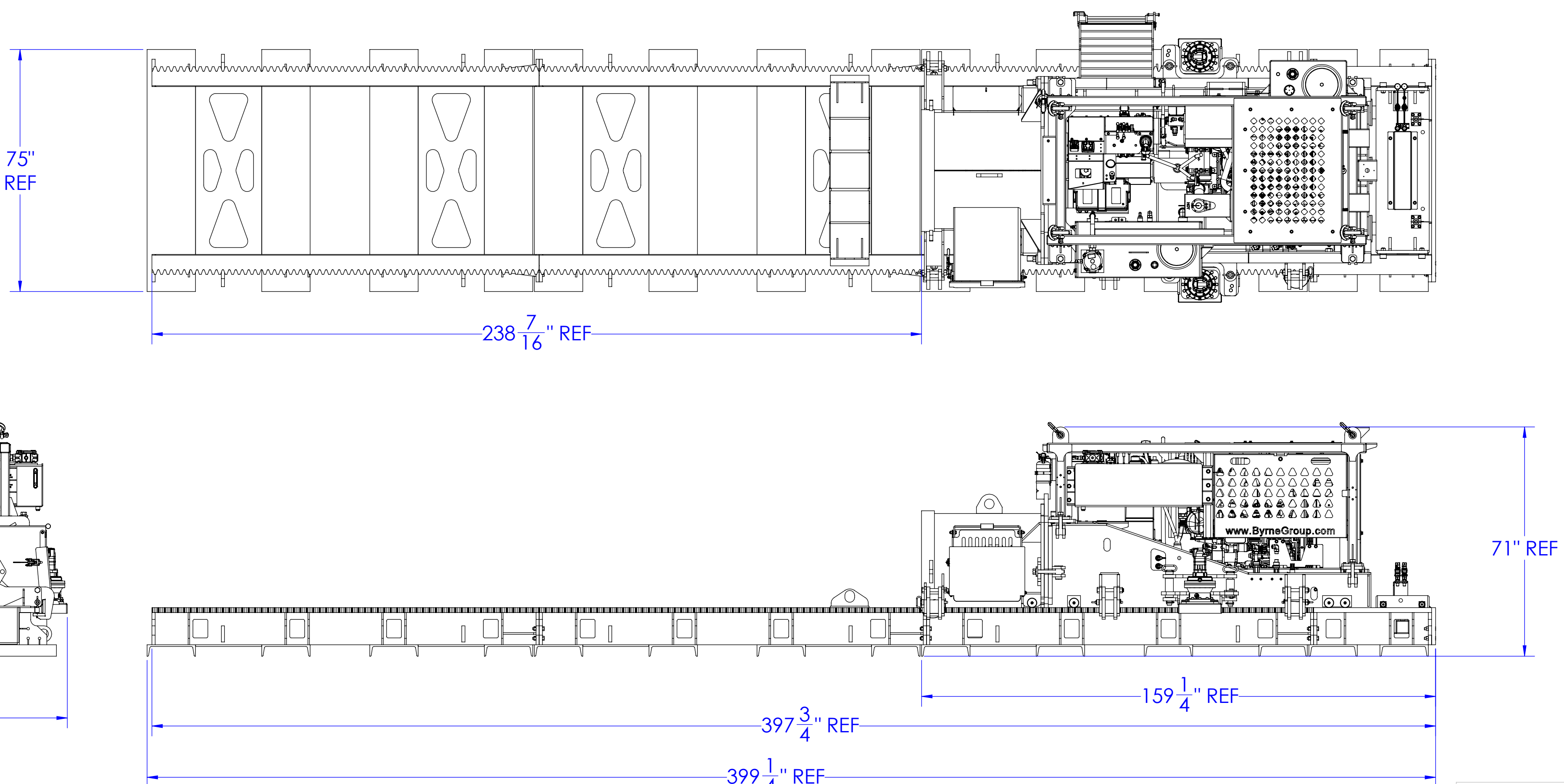
Fax: (419)525-2389

**Weights**

- Top Base : 7,500 Lbs
- Bottom Base : 6,200 Lbs
- Master Track : 3,300 Lbs
- Extra Track: 2,100 Lbs
- Master Ring : 2,300 Lbs
- Master Saddle: 340 Lbs

**Hydraulic System**

- Pressure 4,350 PSI
- Pump Type Piston Pump with Load Sensing
- Gallon per Minute 30 GPM
- Cylinders (3) 7" Bore x 36" Stroke 3 **Cylinder Max Thrust 500,000 Lbs.**
- 2 Cylinder max thrust 330,000**
- Suction Strainer 100 Mesh Screen
- Pressure Filter 10 Micron Replaceable Element
- Return Filter 10 Micron Replaceable Element



**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF Michael Byrne Mfg Co. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF Michael Byrne Mfg Co. IS PROHIBITED.

UNLESS OTHERWISE SPECIFIED:	DRAWN	NAME	DATE
DIMENSIONS ARE IN INCHES	CHECKED		
TOLERANCES:	ENG APPR.		
FRACTIONAL: 1/16	MFG APPR.		
ANGULAR: MATCH 5 BEND: 0.5	G.A.		
ONE PLACE DECIMAL: ±.02	MODEL:		
TWO PLACE DECIMAL: ±.01	SEE BOM		
THREE PLACE DECIMAL: ±.005	CUSTOMER		

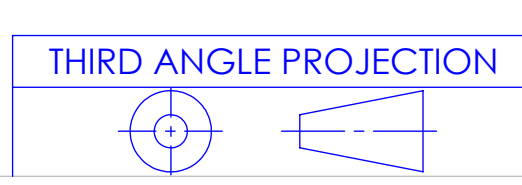
**MICHAEL BYRNE MANUFACTURING**  
**international**

**Michael Byrne Mfg Co**  
1855 Earthboring Rd.  
Mansfield, Ohio 44903  
www.byrnegroup.com  
Phone : 419-525-1214 Fax : 419-525-2386

**TITLE:**  
AUGER BORING MACHINE  
36-500 T4F

**SIZE:** D **DWG. NO.:** BMD00-0001 **REV:** A

DO NOT SCALE WEIGHT: 23328.43 SHEET 2 OF 2



Y:\Solidworks\Auger Boring Machines TA\_ABM30-36 TA MAIN ASSEMBLY\_ABM30-36 TA