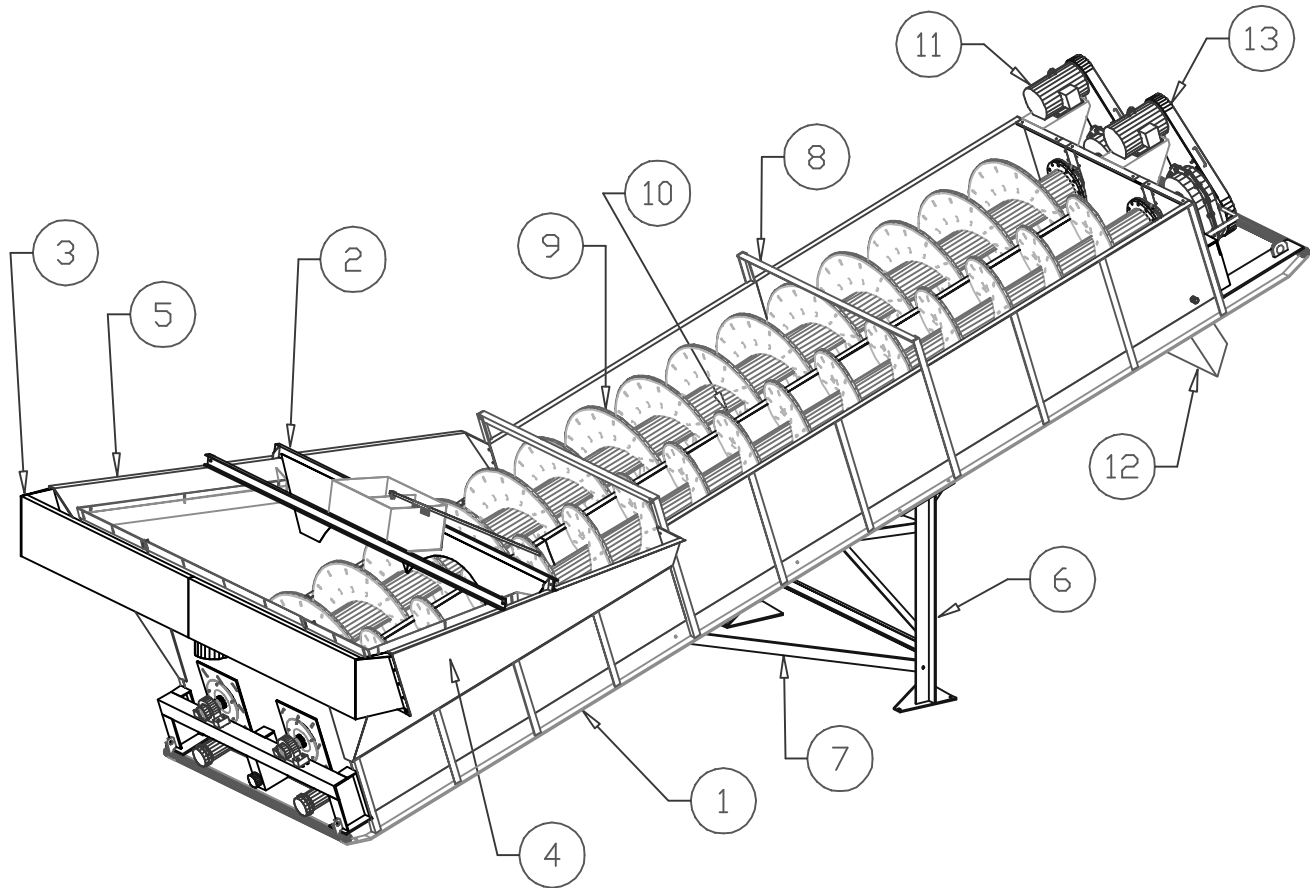


PROJECT:  
44" X 32' TWIN FINE SCREW

**GreyStone**

DESCRIPTION:  
OVERALL ASSEMBLY



REF. NUMBER	PART NUMBER	PART NAME	QUANTITY	Wt.Lbs.Ea.
1	REF 10248	TUB ASSEMBLY	1	9,245
2	000003627	INFEED HOPPER ASSEMBLY	1	580
		BOLTS:		
	000010570	1/2"-13 x 1 1/4" BOLTS	4	
	000010805	1/2"-13 NUTS	5	
	000010940	1/2" LOCK WASHERS	5	
	000010578	1/2"-13 x 2" BOLTS	1	
3	000003621	OVERFLOW ASSEMBLY	1	475
		BOLTS:		
	000010570	1/2"-13 x 1 1/4" BOLTS	44	
	000010805	1/2"-13 NUTS	44	
	000010940	1/2" LOCK WASHERS	44	
	000010950	1/2" FLAT WASHERS	16	
4	000012811	WING ASSEMBLY RH	1	760
		BOLTS:		
	000010570	1/2"-13 x 1 1/4" BOLTS	42	
	000010805	1/2"-13 NUTS	42	
	000010940	1/2" LOCK WASHERS	42	
	000010950	1/2" FLAT WASHERS	6	

DWG. NUMBER: PF4432B1

DRAWN BY:

JAF

DATE: 8/30/06

REVISIONS

PAGE #

1

## PROJECT:

44" X 32' TWIN FINE SCREW

GreyStone

## DESCRIPTION:

OVERALL ASSEMBLY

REF. NUMBER	PART NUMBER	PART NAME	QUANTITY	Wt.Lbs.Ea.
5	000012808	WING ASSEMBLY LH	1	760
		BOLTS:		
	000010570	1/2"-13 x 1 1/4" BOLTS	42	
	000010805	1/2"-13 NUTS	42	
	000010940	1/2" LOCK WASHERS	42	
	000010950	1/2" FLAT WASHERS	6	
6	000003410	TIP FRAME ASSEMBLY	1	455
		BOLTS:		
	000010605	3/4"-10 x 2" BOLTS	4	
	000010810	3/4"-10 NUTS	4	
	000010945	3/4" LOCK WASHERS	4	
7	000003407	TIP FRAME KNEE BRACE	2	55
		BOLTS: (PER KNEE BRACE)		
	000010605	3/4"-10 x 2" BOLT	2	
	000010810	3/4"-10 NUTS	2	
	000010945	3/4" LOCK WASHERS	2	
8	000003515	TUB FRAME TOP MEMBER	2	55
		BOLTS: (PER CROSS MEMBER)		
	000010605	3/4"-10 x 2" BOLTS	2	
	000010810	3/4"-10 NUTS	2	
	000010945	3/4" LOCK WASHERS	2	
9	000012364	SCREW SHAFT RH ASSEMBLY	1	5,655
10	000012408	SCREW SHAFT LH ASSEMBLY	1	5,655
11		DRIVE ASSEMBLY	1	
12	000012771	DISCHARGE CHUTE ASSEMBLY (OPTIONAL)	1	350
		BOLTS:		
	000010580	1/2"-13 X 2 1/2" BOLT	2	
	000010805	1/2"-13 NUT	2	
	000010940	1/2" LOCK WASHER	2	
	000010950	1/2" FLAT WASHER	4	
13	000001360	MOTOR GUARD ASSEMBLY	2	85
		BOLTS:		
	000004719	1/2"-13 X 3 1/2" BOLT	1	
	000010572	1/2"-13 X 1 1/2" BOLT	2	
	000010805	1/2" - 13 NUT	3	
	000010940	1/2" LOCK WASHER	3	
	000010950	1/2" FLAT WASHER	3	
---	000005588	PIPE CAP 6" PVC	2	
---	000016060	PIPE PLUG 4" PVC	1	
---	000015010	SILICONE CAULKING (TUBE)	5	

SCREW TOTAL ESTAMATED WEIGHT 32,000 lbs.

DWG. NUMBER: PF4432B1

DRAWN BY:

JAF

DATE:

8/30/06

REVISIONS

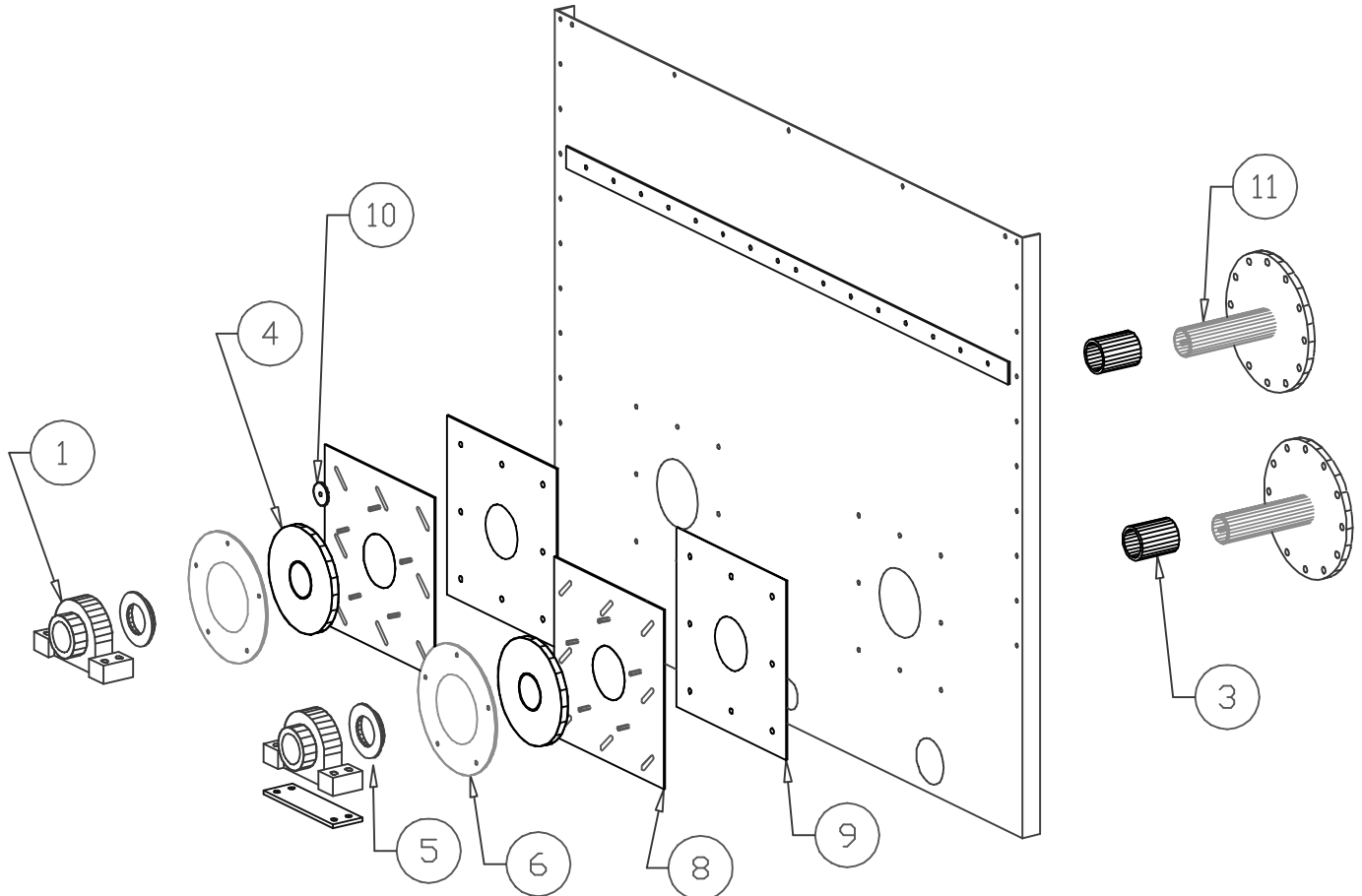
PAGE #

2

PROJECT:  
44" X 32' TWIN FINE SCREW

**GreyStone**

DESCRIPTION:  
LOWER END ASSEMBLY



REF. NUMBER	PART NUMBER	PART NAME	QUANTITY	Wt.Lbs.Ea.
1	000012084	BEARING	2	65
		BOLTS:		
	000010620	3/4"-10 x 5" BOLTS	8	
	000010810	3/4"-10 NUTS	8	
	000010945	3/4" LOCK WASHERS	8	
	000010955	3/4" FLAT WASHERS	16	
2	000031655	BEARING SHIM (OPTIONAL) (NOT SHOWN)	2	10
3	000035320	WEAR SLEEVE	2	7
4	000035290	LOWER STUB SHAFT SEAL	2	7
5	000035221	SLINGER w/COLLAR	2	3
6	000035140	SEAL RETAINER PLATE	2	20
		NUTS:		
	000010805	1/2"-13 NUTS	10	
8	000035190	LOWER SEAL ADJUSTMENT PLATE	2	40
9	000035162	ADJUSTMENT PLATE GASKET	2	7
10	000030420	ADJUSTMENT PLATE WASHER	16	
		BOLTS:		
	000010578	1/2"-13 x 2" BOLTS	16	
	000010805	1/2"-13 NUTS	16	
	000010900	1/2" WASHERS (RUBBER BACKED)	16	
11	000015883	LOWER STUB SHAFT W/O SLEEVE	2	205
	000039026	LOWER STUB SHAFT W/SLEEVE	2	205

DWG. NUMBER: PF4432B2

DRAWN  
BY:

JAF

DATE: 8/30/06

REVISIONS

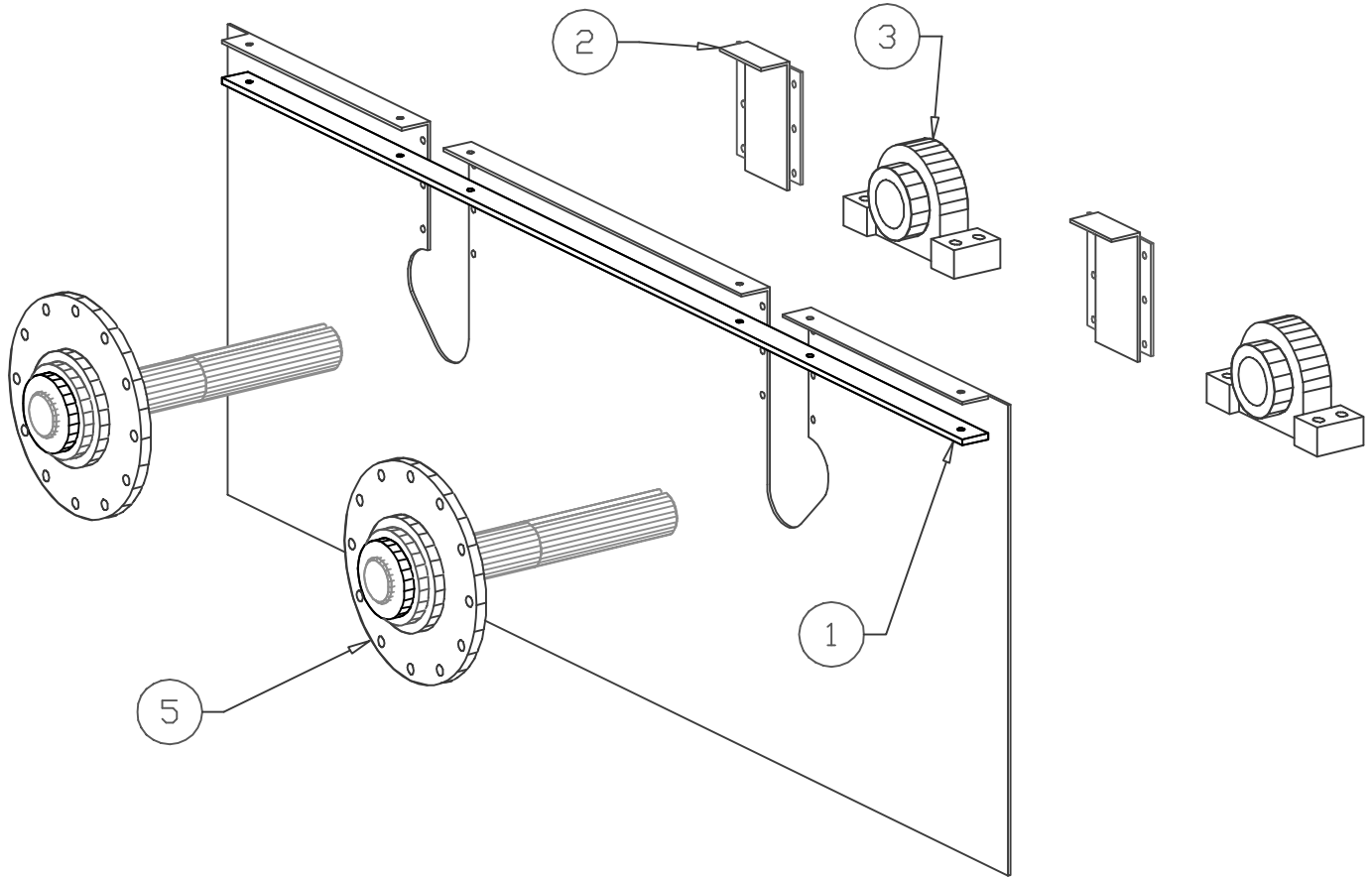
PAGE #

1

PROJECT:  
44" X 32' TWIN FINE SCREW

*Greystone*

DESCRIPTION:  
UPPER END ASSEMBLY



REF. NUMBER	PART NUMBER	PART NAME	QUANTITY	Wt.Lbs.Ea.
1	000003573	TUB UPPER END STIFFENER	1	40
		BOLTS:		
	000010572	1/2"-13 x 1 1/2" BOLTS	6	
	000010805	1/2"-13 NUTS	6	
	000010940	1/2" LOCK WASHERS	6	
2	000010353	TUB UPPER END FILLER ASSEMBLY	2	10
		BOLTS:		
	000010572	1/2"-13 x 1 1/2" BOLTS	12	
	000010805	1/2"-13 NUTS	12	
	000010940	1/2" LOCK WASHERS	12	
3	000012049	BEARING	2	65
		BOLTS:		
	000010620	3/4"-10 x 5" BOLTS	8	
	000010810	3/4"-10 NUTS	8	
	000010945	3/4" LOCK WASHERS	8	
	000010955	3/4" FLAT WASHERS	16	
4	000031655	BEARING SHIM (OPTIONAL) (NOT SHOWN)	2	10
5	000039027	UPPER STUB SHAFT ASSEMBLY	2	275

DWG. NUMBER: PF4432B3

DRAWN BY: JAF

DATE: 8/30/06

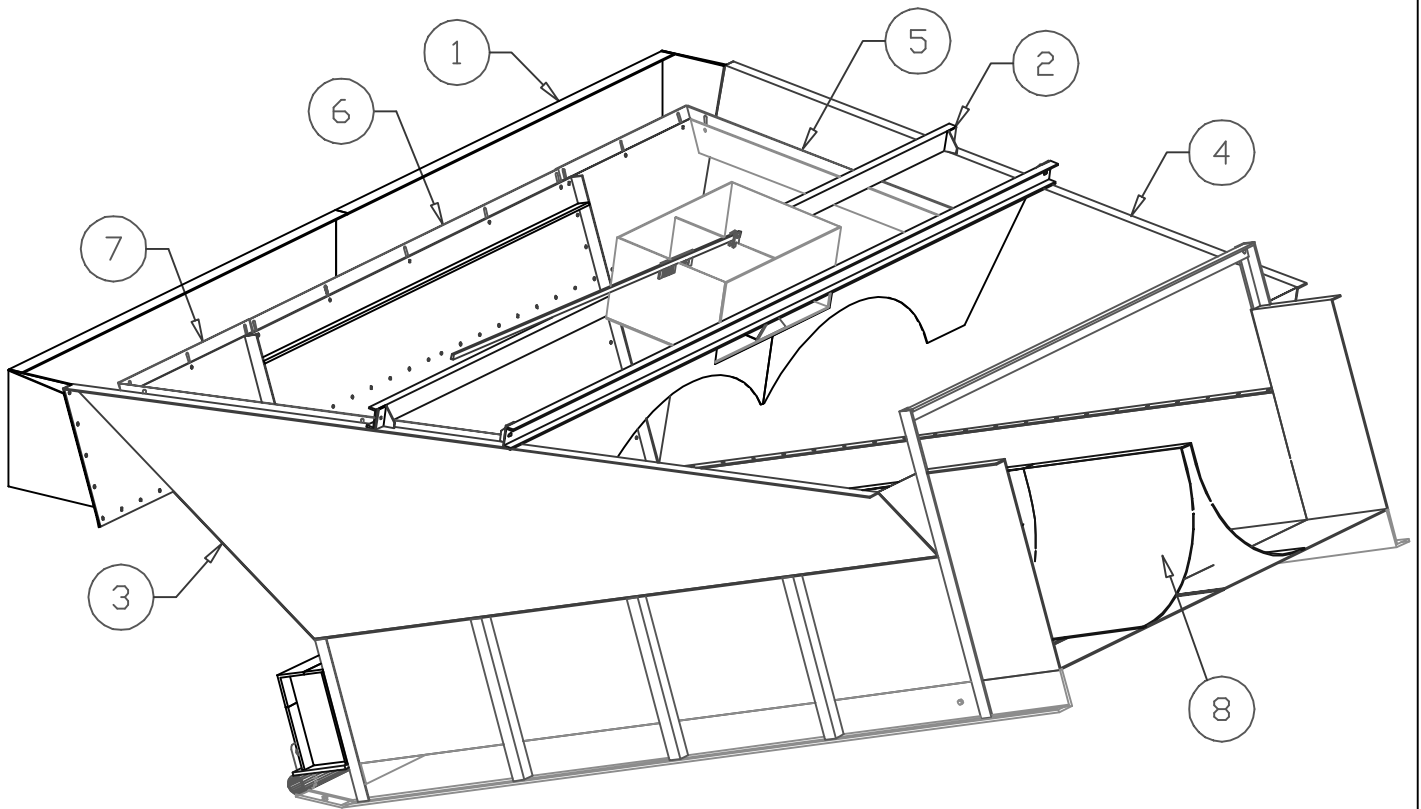
REVISIONS

PAGE # 1

PROJECT:  
44" X 32' TWIN FINE SCREW

*GreyStone*

DESCRIPTION:  
POOL AREA



REF. NUMBER	PART NUMBER	PART NAME	QUANTITY	Wt.Lbs.Eq.
1	000003621	OVERFLOW ASSEMBLY	1	475
2	000003627	INFEED HOPPER ASSEMBLY	1	500
3	000012811	WING ASSEMBLY RH	1	760
4	000012808	WING ASSEMBLY LH	1	760
5	000012804	OVERFLOW ADJUSTMENT PLATE WING SIDE	2	25
		BOLTS: PER WEIR		
	000010570	1/2"-13 x 1 1/4" BOLTS	3	
	000010805	1/2"-13 NUTS	3	
	000010940	1/2" LOCK WASHERS	3	
	000010950	1/2" FLAT WASHERS	3	
6	000012361	OVERFLOW ADJUSTMENT PLATE TUB	1	30
		BOLTS:		
	000010570	1/2"-13 x 1 1/4" BOLTS	5	
	000010805	1/2"-13 NUTS	5	
	000010940	1/2" LOCK WASHERS	5	
	000010950	1/2" FLAT WASHERS	5	

DWG. NUMBER: PF4432B4

DRAWN BY: JAF

DATE: 8/30/06

REVISIONS

PAGE #

1

## PROJECT:

44" X 32' TWIN FINE SCREW

*GreyStone*

## DESCRIPTION:

POOL AREA

<u>REF. NUMBER</u>	<u>PART NUMBER</u>	<u>PART NAME</u>	<u>QUANTITY</u>	<u>Wt.Lbs.Eq.</u>
7	000012805	OVERFLOW ADJUSTMENT PLATE WING END	2	15
		BOLTS: PER WEIR		
	000010570	1/2"-13 x 1 1/4" BOLTS	3	
	000010805	1/2"-13 NUTS	3	
	000010940	1/2" LOCK WASHERS	3	
	000010950	1/2" FLAT WASHERS	3	
8	000039075	BELLYPAN SECTION #1 R.H.	1	370
	000039073	BELLYPAN SECTION #2 R.H.	1	370
	000039076	BELLYPAN SECTION #1 L.H.	1	395
	000039074	BELLYPAN SECTION #2 L.H.	1	395
	000039077	BELLYPAN SECTION #3 R.H.	1	330
	000039078	BELLYPAN SECTION #3 L.H.	1	330
	000030435	BELLYPAN DIVIDER	3	25

DWG. NUMBER: PF4432B4

DRAWN  
BY:

JAF

DATE:

8/30/06

REVISIONS

PAGE #

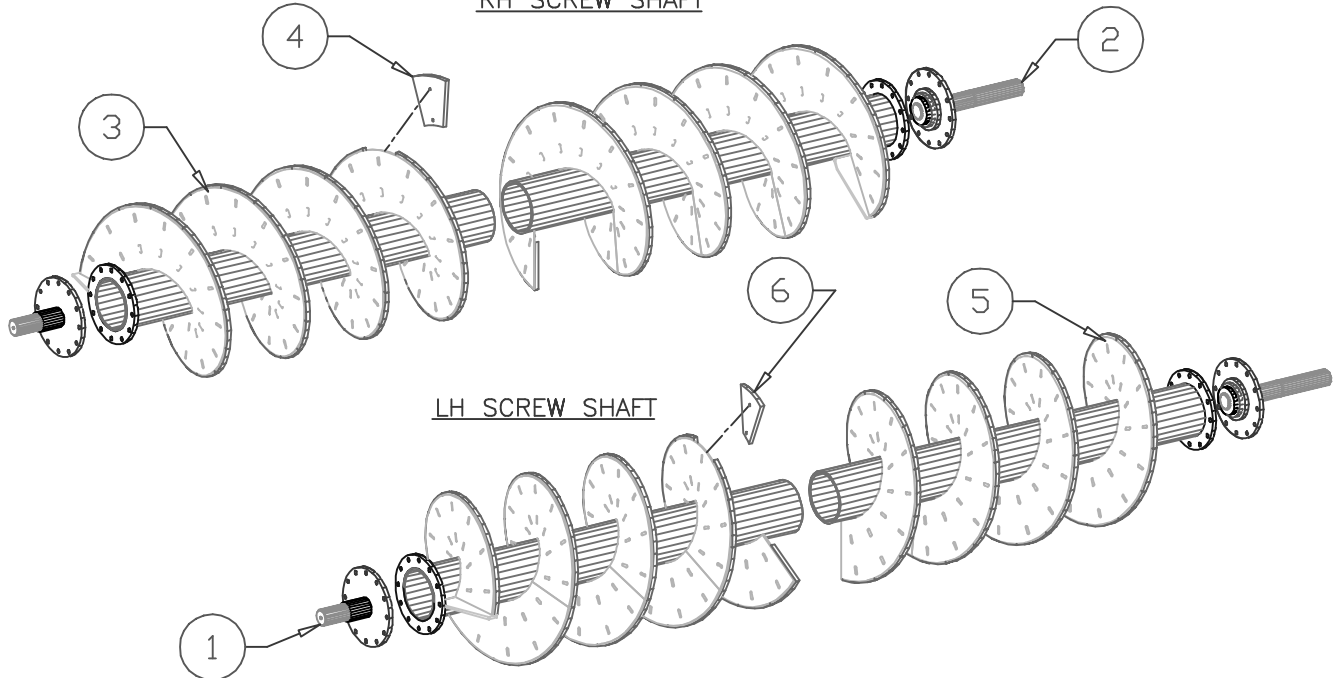
2

PROJECT:  
44" X 32' TWIN FINE SCREW

**GreyStone**

DESCRIPTION:  
SCREW SHAFTS

RH SCREW SHAFT



LH SCREW SHAFT

<u>REF. NUMBER</u>	<u>PART NUMBER</u>	<u>PART NAME</u>	<u>QUANTITY</u>	<u>Wt.Lbs.Eq.</u>
1	000039026	LOWER STUB SHAFT w/WEAR SLEEVE	2	212
2	000039027	UPPER STUB SHAFT ASSEMBLY	2	235
		BOLTS:		
	000010720	7/8"-14 x 3 1/2" BOLTS Gr. 8	48	
	000010860	7/8"-14 NUTS Gr. 8	48	
	000010947	7/8" LOCK WASHERS	48	
	000039029	SCREW SHAFT ASM RH w/FLIGHTS	1	4,060
3	000033140	RH FLIGHT	16	2,000
4	000035580	WEAR SHOES (RUBBER)	192	1,155
	000039109	SCREW SHAFT ASM LH w/FLIGHTS	1	4,060
5	000033142	LH FLIGHT	16	2,000
6	000035580	WEAR SHOES (RUBBER)	192	1,155
		BOLTS WEAR SHOES:		
	000010570	1/2"- 13 x 1 1/4" BOLTS	768	
	000010805	1/2"-13 NUTS	768	
	000010940	1/2" LOCK WASHERS	768	
	000010950	1/2" FLAT WASHERS	768	
	000012364	<u>SCREW SHAFT RH COMPLETE ESTIMATED WEIGHT</u>		5,655
	000012408	<u>SCREW SHAFT LH COMPLETE ESTIMATED WEIGHT</u>		5,655

DWG. NUMBER: PF4432B5

DRAWN  
BY:

JAF

DATE:

8/30/06

REVISIONS

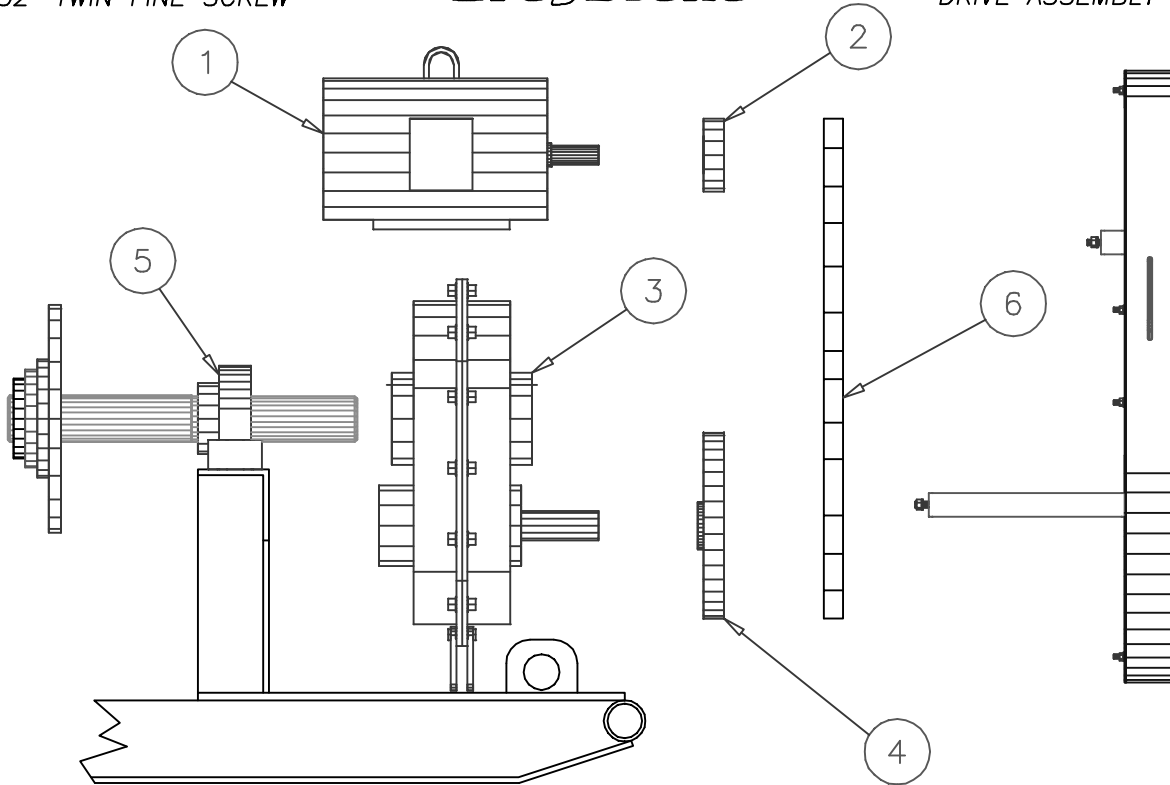
PAGE #

1

PROJECT:  
44" X 32' TWIN FINE SCREW

*GreyStone*

DESCRIPTION:  
DRIVE ASSEMBLY



17 RPM SCREW SPEED

REF. NUMBER	PART NUMBER	PART NAME	QUANTITY	Wt.Lbs.Eq.
1		MOTOR 20HP/1750RPM/256T	2	
		BOLTS: (PER MOTOR)		
	000010572	1/2"-13 x 1 1/2" BOLT	4	
	000010805	1/2"-13 NUT	4	
	000010940	1/2" LOCK WASHER	4	
2	000000009	MOTOR SHEAVE 2B-5.8 QD	2	7
	000016830	MOTOR SHEAVE BUSHING SDS 1 5/8"	2	2
3	000012731	GEAR REDUCER BRAND/MODEL DODGE TA7315H40	2	500
	000007282	GEAR BOX BUSHING TA7315TB 3 15/16"	2	27
	000012726	TORQUE ARM ASSEMBLY TA7315RA	2	45
		BOLTS:		
	000010615	3/4"-10 X 4" BOLT	2	
	000010810	3/4"-10 NUT	2	
	000010945	3/4" LOCK WASHER	2	
4	000001234	GEAR BOX SHEAVE 2B-15.4 QD	2	22
	000016852	GEAR BOX SHEAVE BUSHING SK 2 7/16"	2	3
5	000012049	UPPER BEARING	2	65
6	000000000	BELT SIZE B-	4	2

DWG. NUMBER: PF4432B6

DRAWN BY: JAF

DATE: 8/30/06

REVISIONS

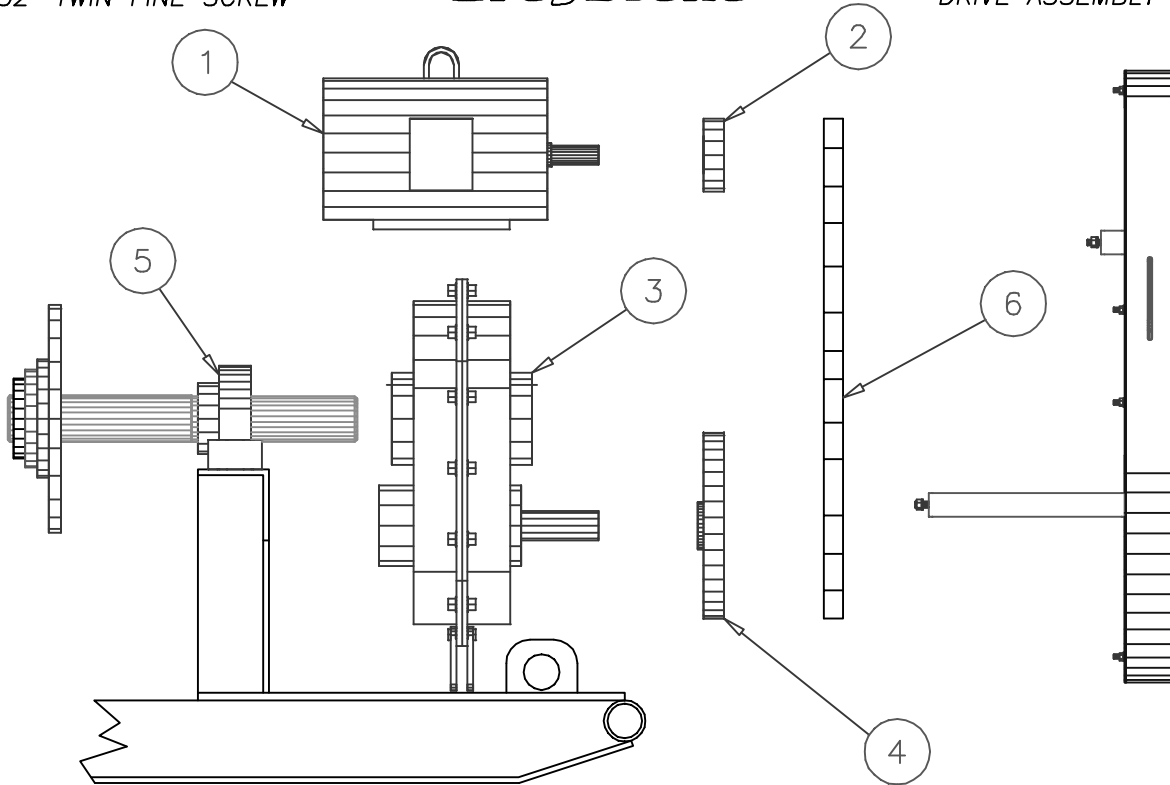
PAGE # 1



PROJECT:  
44" X 32' TWIN FINE SCREW

*GreyStone*

DESCRIPTION:  
DRIVE ASSEMBLY



14 RPM SCREW SPEED

REF. NUMBER	PART NUMBER	PART NAME	QUANTITY	Wt.Lbs.Eq.
1		MOTOR 15HP/1750RPM/254T	2	
		BOLTS: (PER MOTOR)		
	000010572	1/2"-13 x 1 1/2" BOLT	4	
	000010805	1/2"-13 NUT	4	
	000010940	1/2" LOCK WASHER	4	
2	000014661	MOTOR SHEAVE 2B-4.8 QD	2	5
3	000016830	MOTOR SHEAVE BUSHING SDS 1 5/8"	2	2
	000012731	GEAR REDUCER BRAND/MODEL DODGE TA7315H40	2	500
	000007282	GEAR BOX BUSHING TA7315TB 3 15/16"	2	27
	000012726	TORQUE ARM ASSEMBLY TA7315RA	2	45
		BOLTS:		
	000010615	3/4"-10 X 4" BOLT	2	
	000010810	3/4"-10 NUT	2	
	000010945	3/4" LOCK WASHER	2	
4	000001234	GEAR BOX SHEAVE 2B-15.4 QD	2	22
	000016852	GEAR BOX SHEAVE BUSHING SK 2 7/16"	2	3
5	000012049	UPPER BEARING	2	65
6	000000000	BELT SIZE B-	4	2

DWG. NUMBER: PF4432B6

DRAWN BY: JAF

DATE: 8/30/06

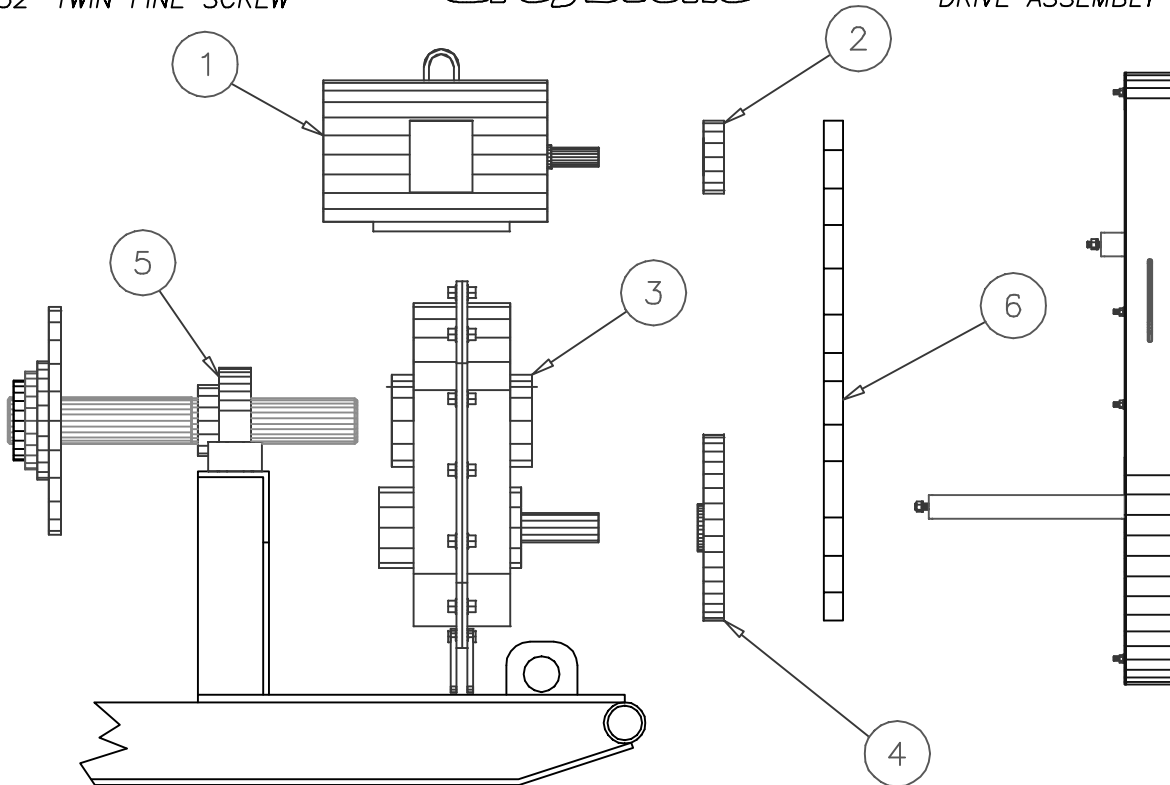
REVISIONS

PAGE # 2

PROJECT:  
44" X 32' TWIN FINE SCREW

*GreyStone*

DESCRIPTION:  
DRIVE ASSEMBLY



10 RPM SCREW SPEED

REF. NUMBER	PART NUMBER	PART NAME	QUANTITY	Wt.Lbs.Eq.
1		MOTOR 10HP/1750RPM/215T	2	
		BOLTS: (PER MOTOR)		
	000010553	3/8"-16 x 1 1/4" BOLT	4	
	000010803	3/8"-16 NUT	4	
	000010942	3/8" LOCK WASHER	4	
2	000016920	MOTOR SHEAVE 2B-3.4 QD	2	3
3	000013622	MOTOR SHEAVE BUSHING SH 1 3/8"	2	2
	000012731	GEAR REDUCER BRAND/MODEL DODGE TA7315H40	2	500
	000007282	GEAR BOX BUSHING TA7315TB 3 15/16"	2	27
	000012726	TORQUE ARM ASSEMBLY TA7315RA	2	45
		BOLTS:		
	000010615	3/4"-10 X 4" BOLT	2	
	000010810	3/4"-10 NUT	2	
	000010945	3/4" LOCK WASHER	2	
4	000001234	GEAR BOX SHEAVE 2B-15.4 QD	2	22
	000016852	GEAR BOX SHEAVE BUSHING SK 2 7/16"	2	3
5	000010418	UPPER BEARING	2	65
6	000000000	BELT SIZE BX-	4	2

DWG. NUMBER: PF4432B6

DRAWN BY: JAF

DATE: 8/30/06

REVISIONS

PAGE # 3