



DS24 Series Belt Sanders Instruction Manual

www.kalamazooind.com

Kalamazoo Industries, Inc.
6856 East K Avenue
Kalamazoo, MI 49048
Phone 269-382-2050

GENERAL POWER TOOL SAFETY WARNINGS



WARNING: TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN, LIQUID, OR MOISTURE.

READ AND SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

PRECAUTIONS

- Always wear safety glasses when operating power tools.
- Keep work area clean and well lit.
- Do not operate power tools in explosive atmospheres, such as the presence of flammable liquids, gases or dust.
- Keep children and bystanders away while operating a power tool.
- Keep long hair tied back or covered and never wear loose fitting clothing near a running machine.
- Additional precautions may be necessary when grinding materials that are flammable or have other hazardous properties. Consult manufacturer of materials for safe grinding and handling.

OPERATING INSTRUCTIONS

- Disconnect power before making any adjustments
 - Disc rotation is counterclockwise.
 - V-belt adjustment/replacement — Loosen motor-mount fasteners (21), set belt tension to $\sim\frac{1}{4}$ in (6 mm) deflection at mid-span under moderate thumb pressure, then retighten fasteners (21).
 - Examine the abrasive disc carefully before use. Never use an abrasive belt with a nicked or cut edge, crease, or handling damage.
 - If you are using a dust collector, bin should be emptied, and the filter should be changed frequently during use to maintain efficiency and prevent buildup of combustible materials.
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DS24 Maintenance Checklist

Daily (Operator)

- Inspect work area and machine for cleanliness; remove dust/debris.
- Check disc surface condition for wear, loading, or damage.
- Verify sanding disc is securely adhered and not peeling.
- Inspect guards and covers — ensure in place and undamaged.
- Run machine briefly to check for unusual noise or vibration.

Weekly (Operator / Maintenance)

- Check V-belt condition for wear or cracks.
- Adjust belt tension to ~¼ in (6 mm) deflection under moderate thumb pressure.
- Inspect motor mount fasteners (21) and tighten if loose.
- Check disc alignment and table squareness to disc face.
- Vacuum/clean motor cooling vents.

Monthly (Maintenance)

- Inspect disc arbor for runout or play.
- Check motor amperage draw under load — compare to nameplate rating.
- Verify electrical connections are tight (inside junction box).
- Inspect power cord/plug for wear or damage.

Annual (Maintenance / Service)

- Replace V-belt if worn, frayed, or glazed.
- Replace sanding disc if backing is worn or adhesion fails.
- Inspect disc flange and fasteners for cracks or wear.
- Verify machine base mounting and floor anchoring.

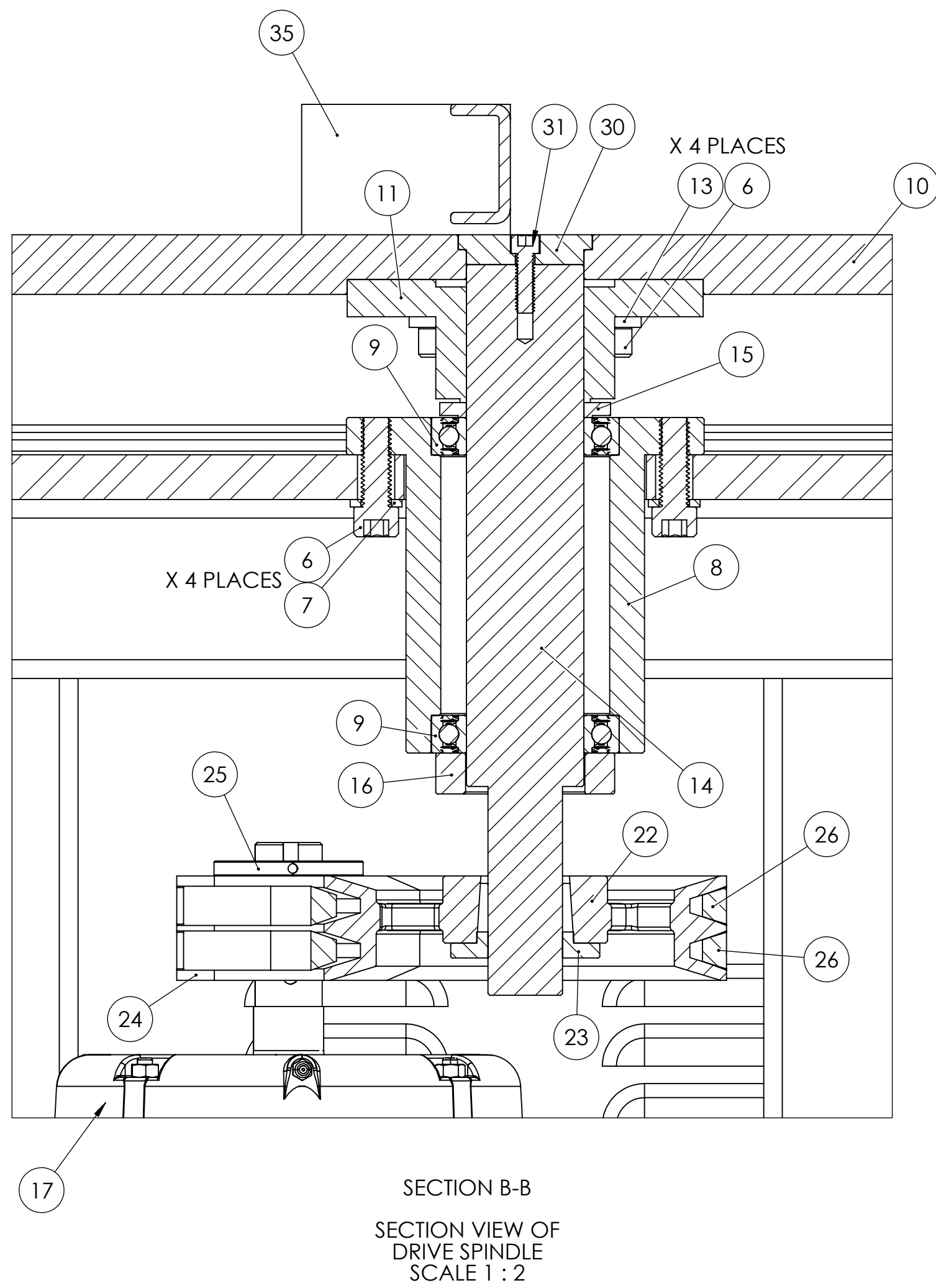
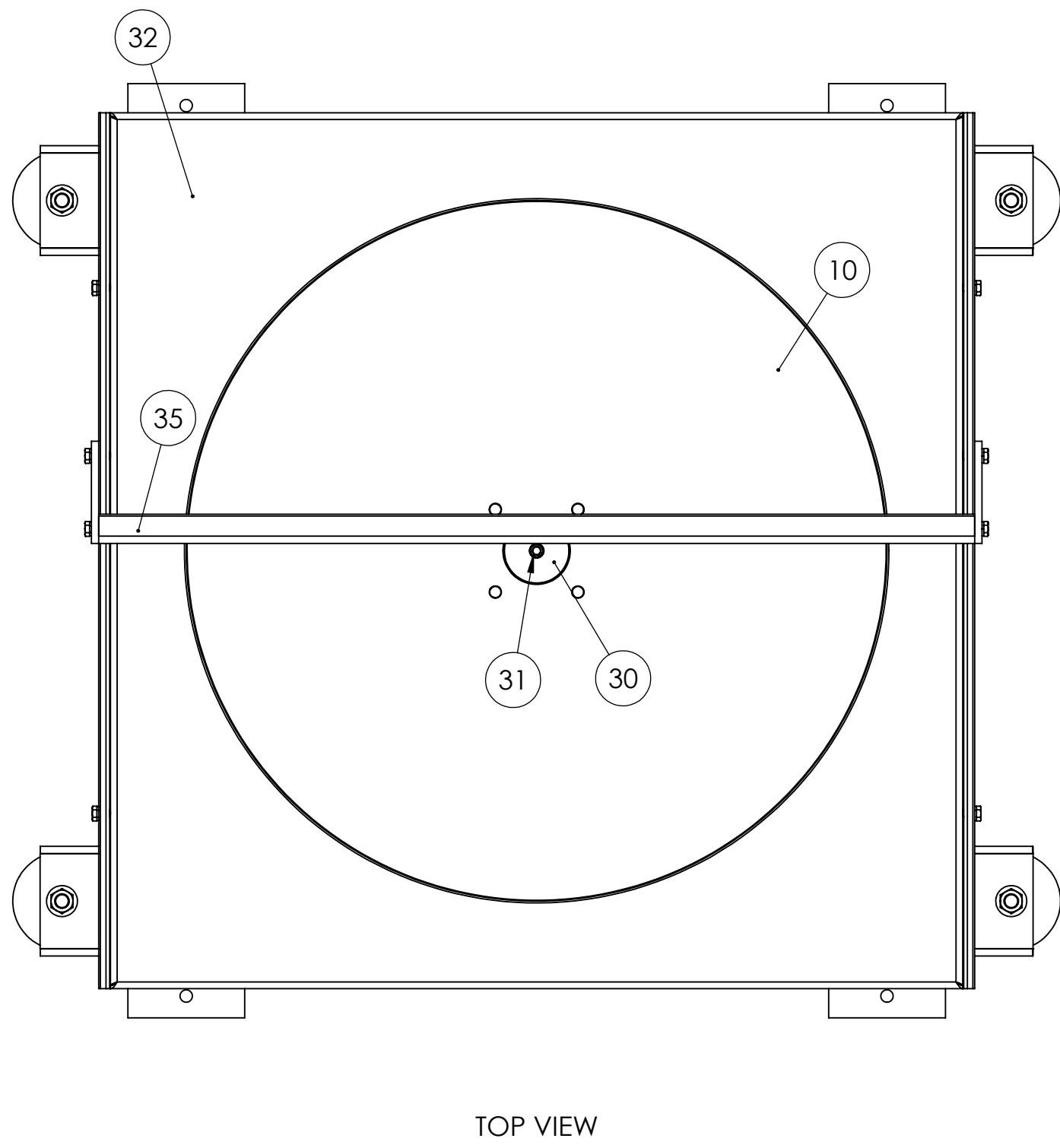
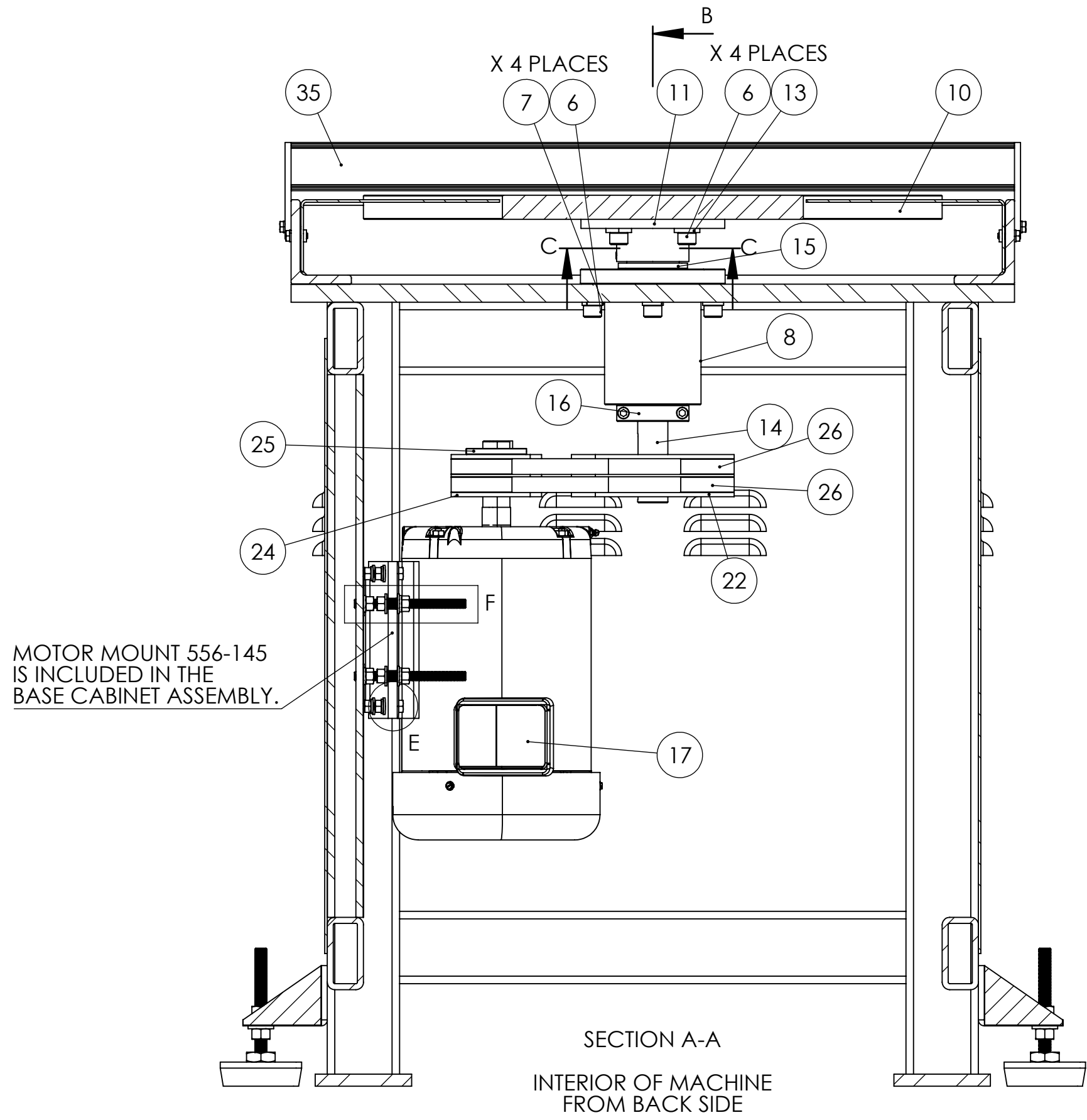
Safety Note: Always lock out power before performing maintenance. Recheck belt tension, fasteners, and alignment after any adjustments.

WARRANTY: All products are guaranteed for a period of one year to the original purchaser, against defects in material workmanship under normal use. Exclusions may apply.

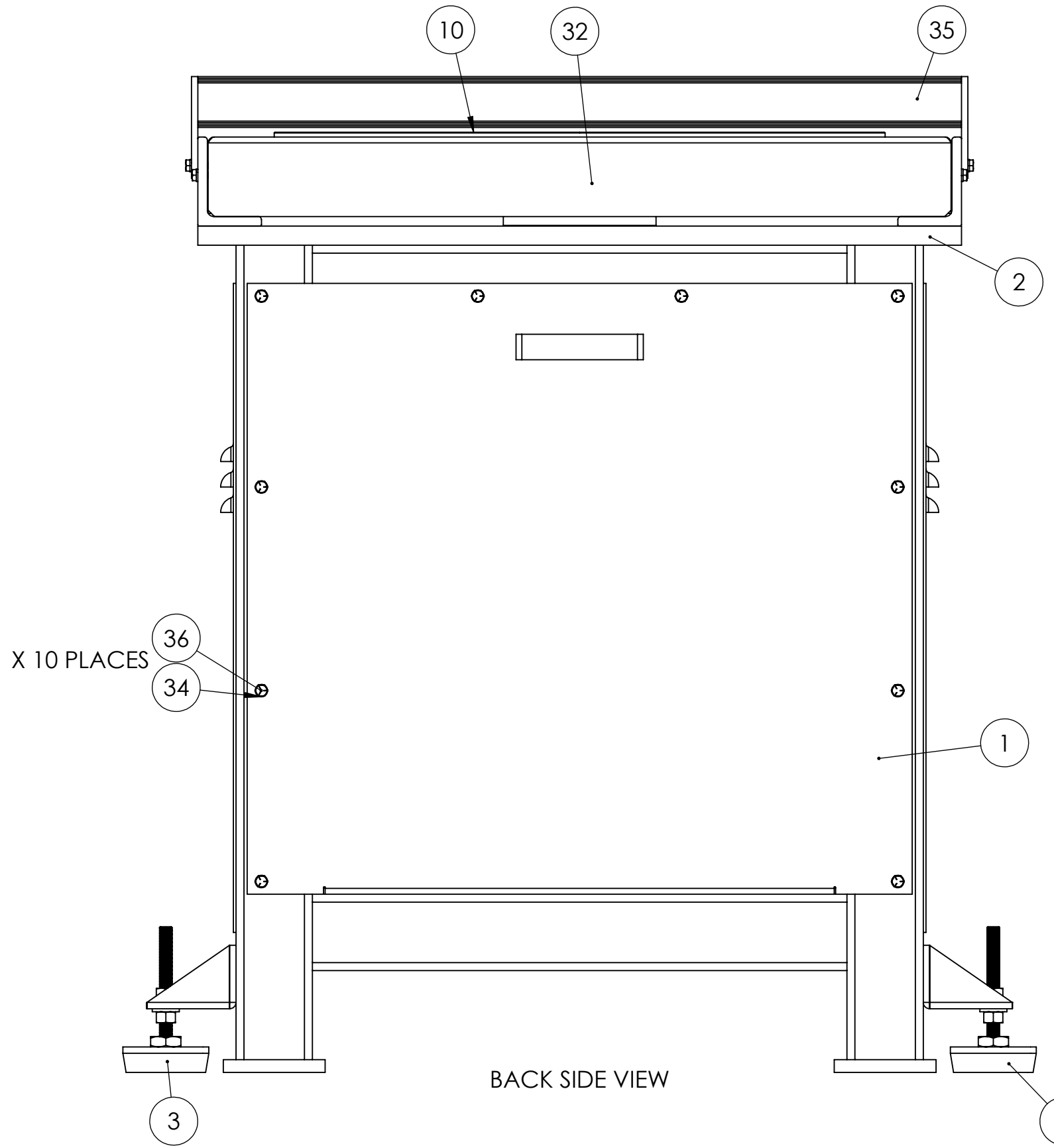
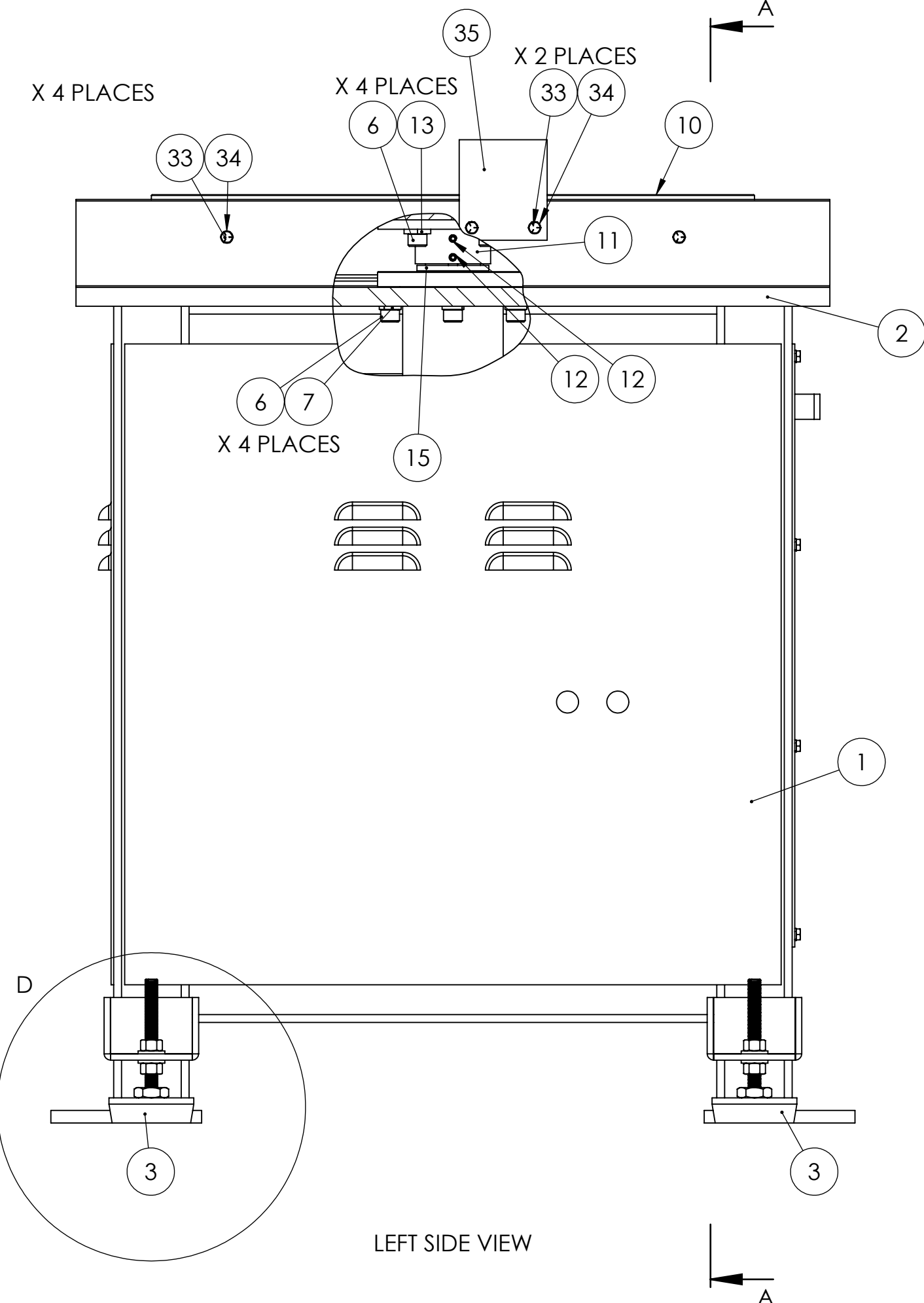
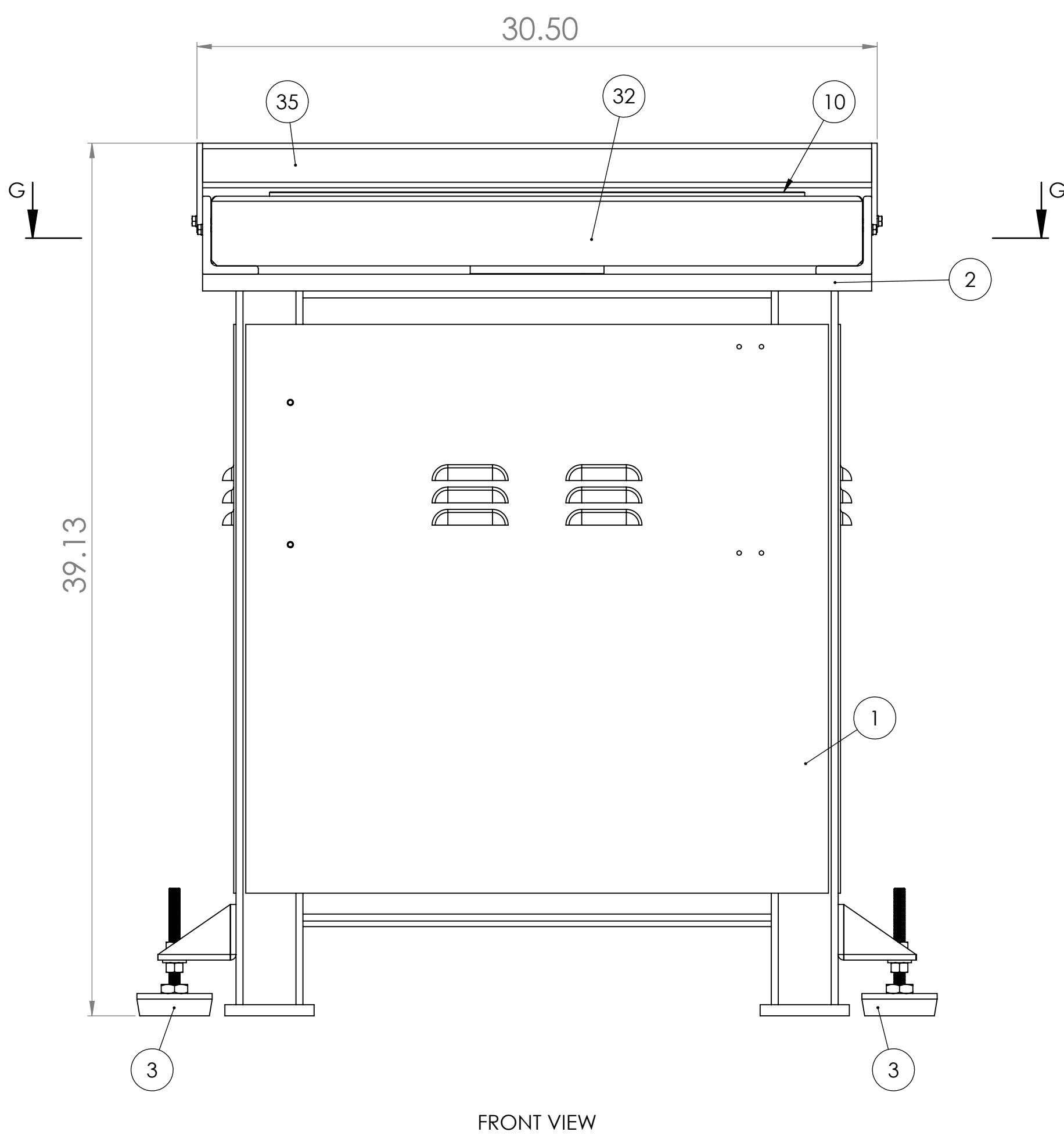
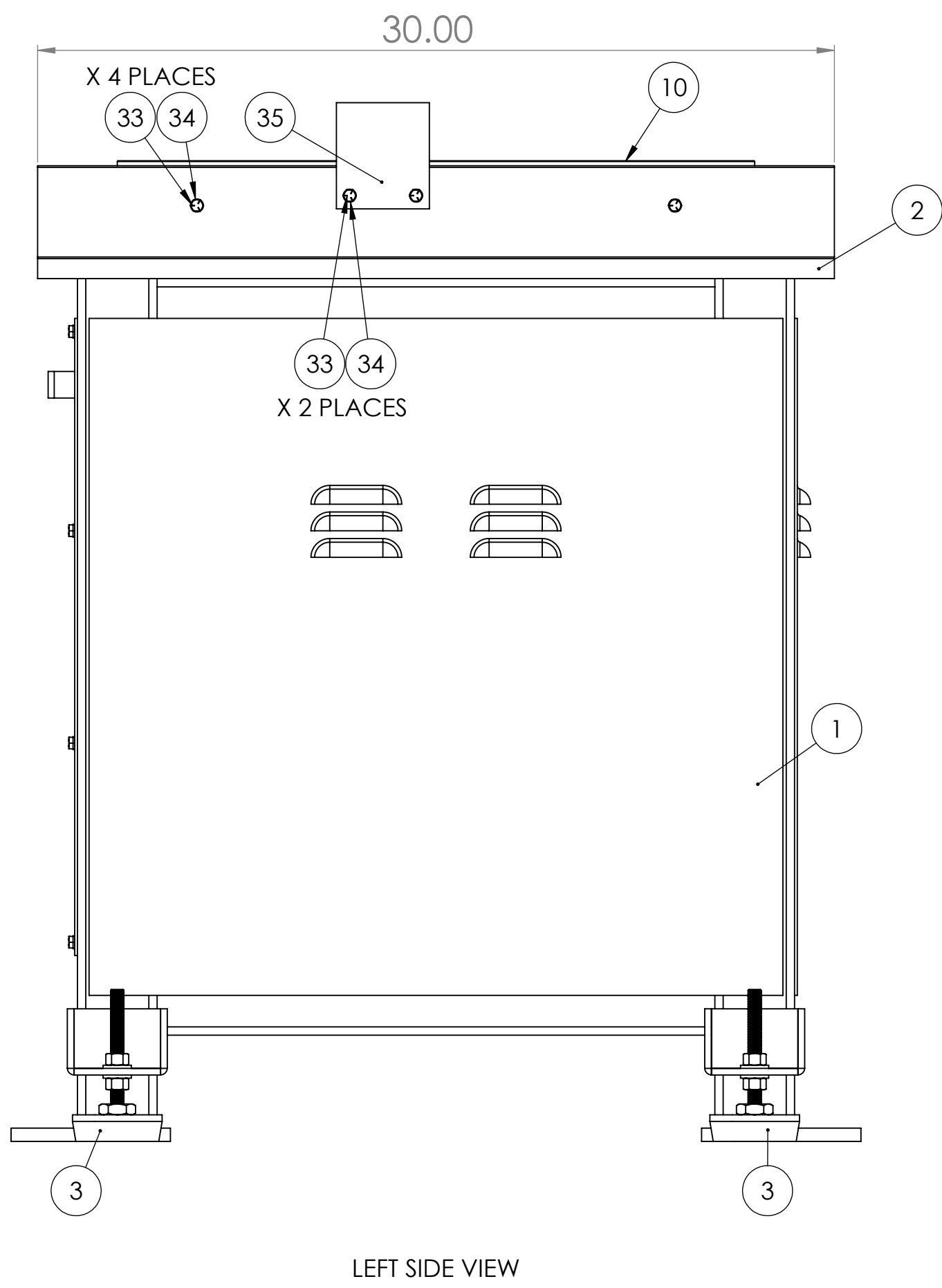
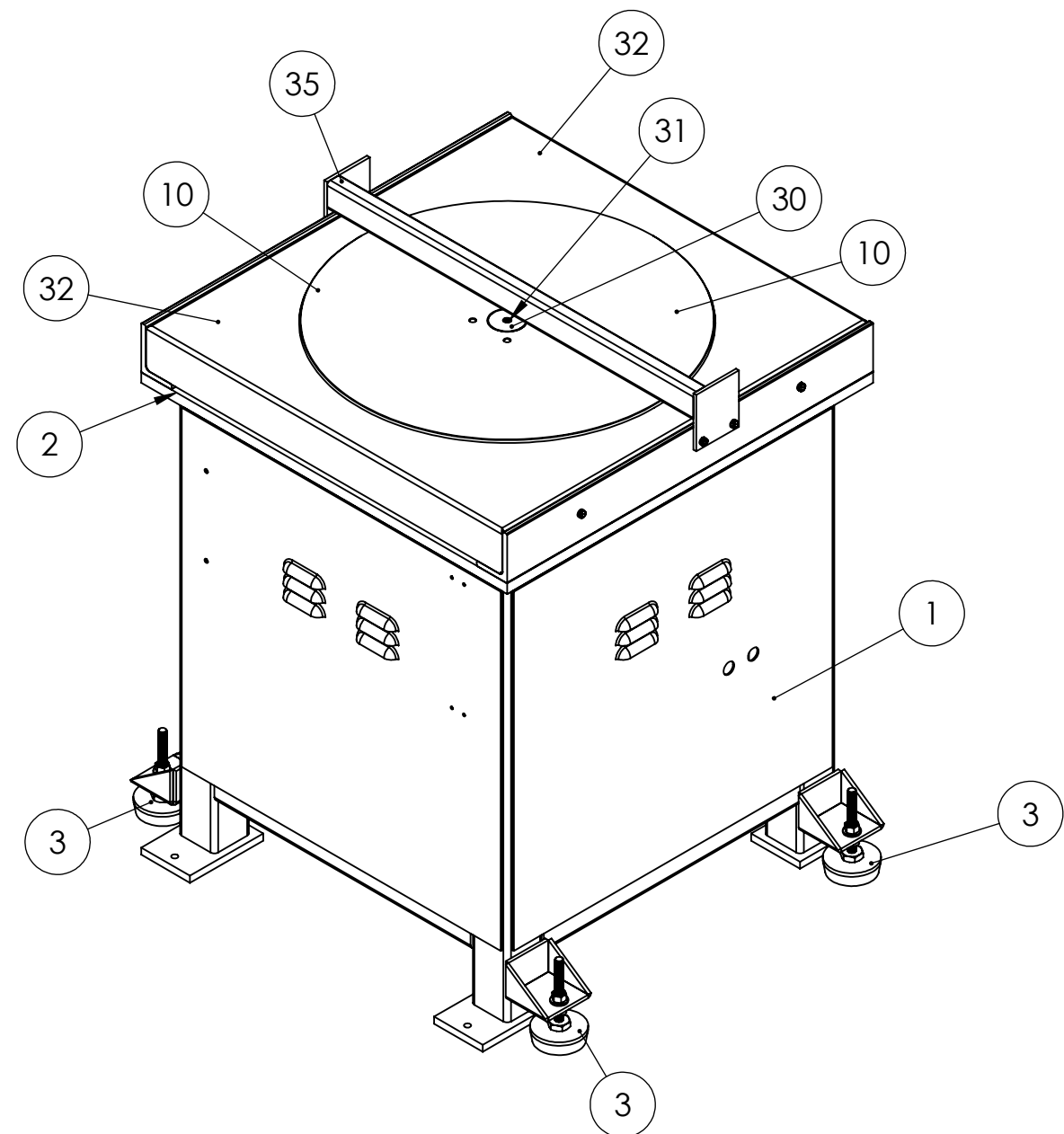
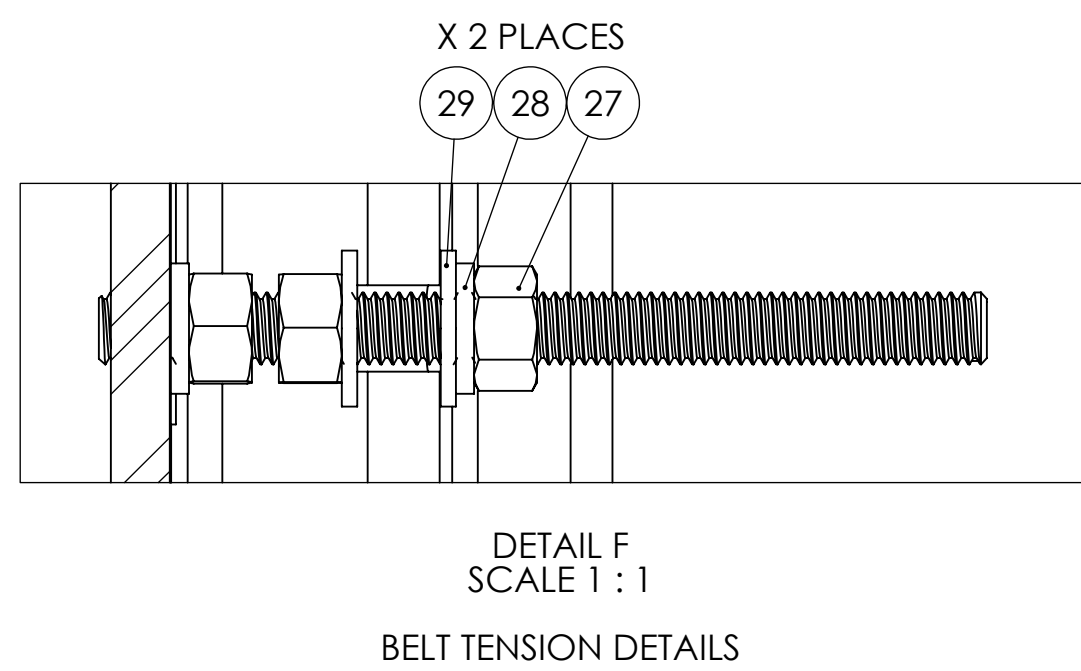
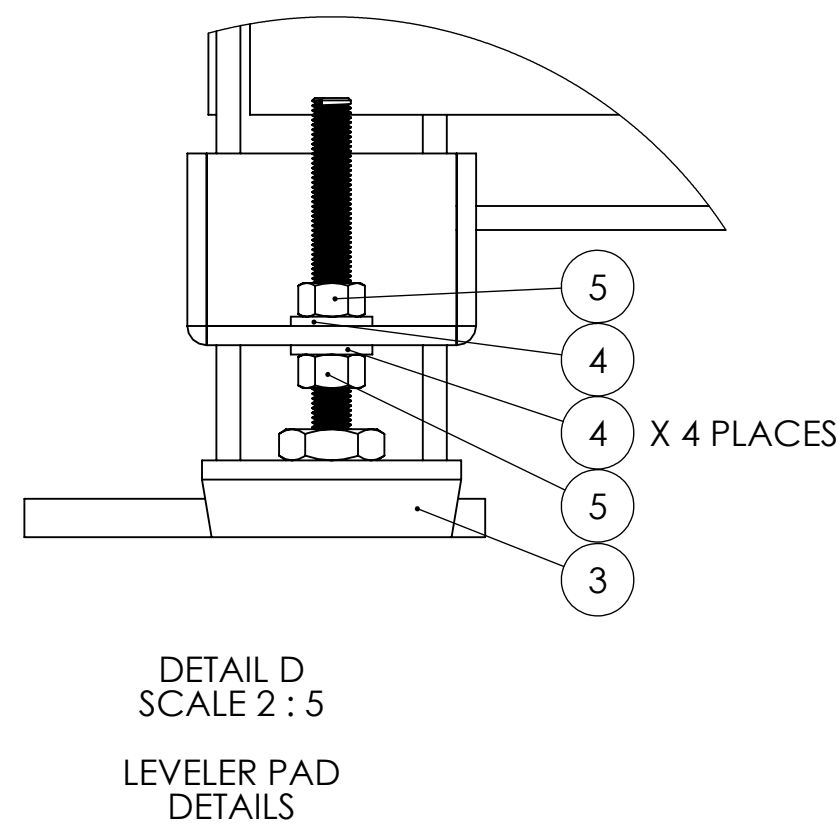
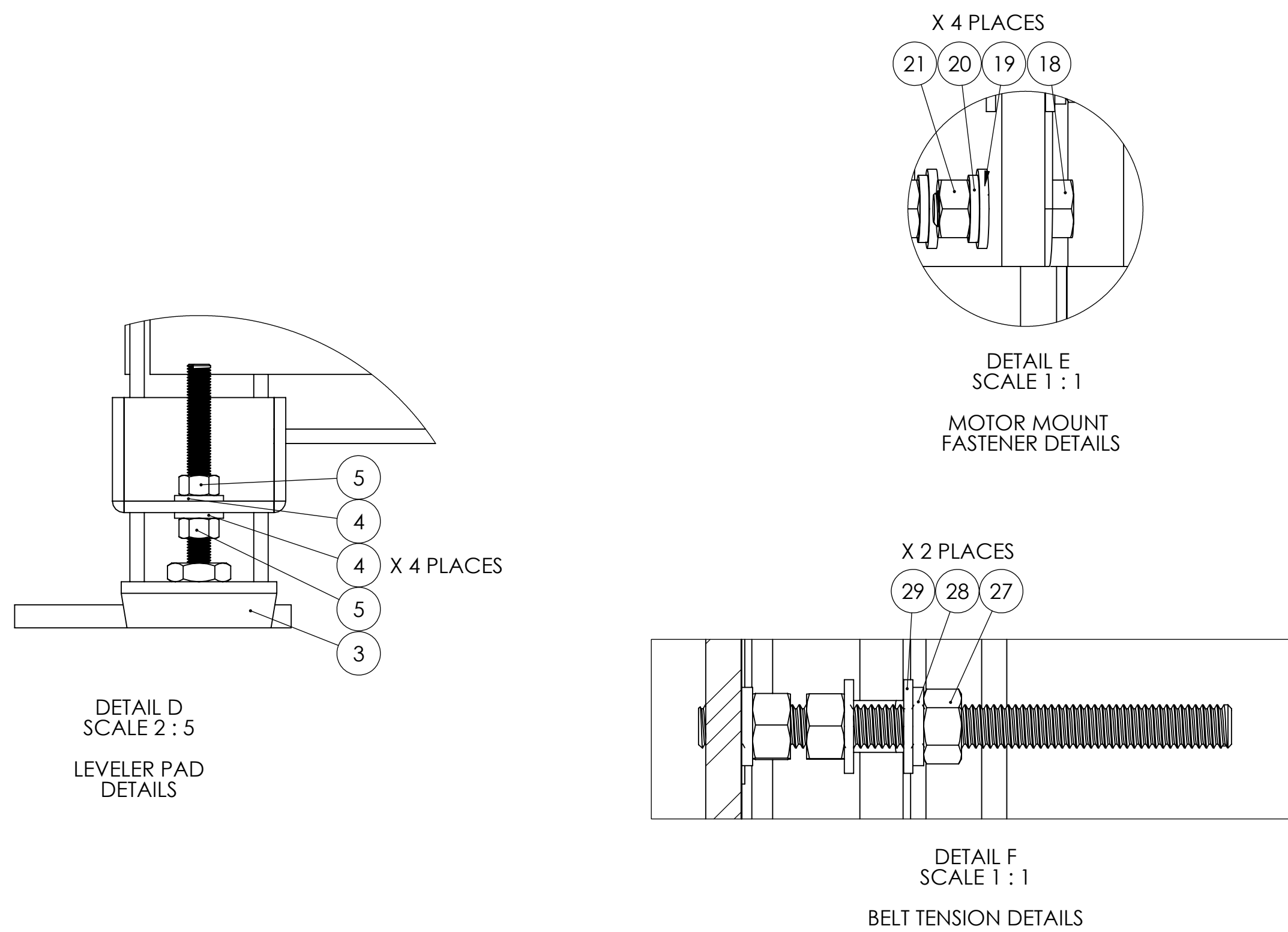
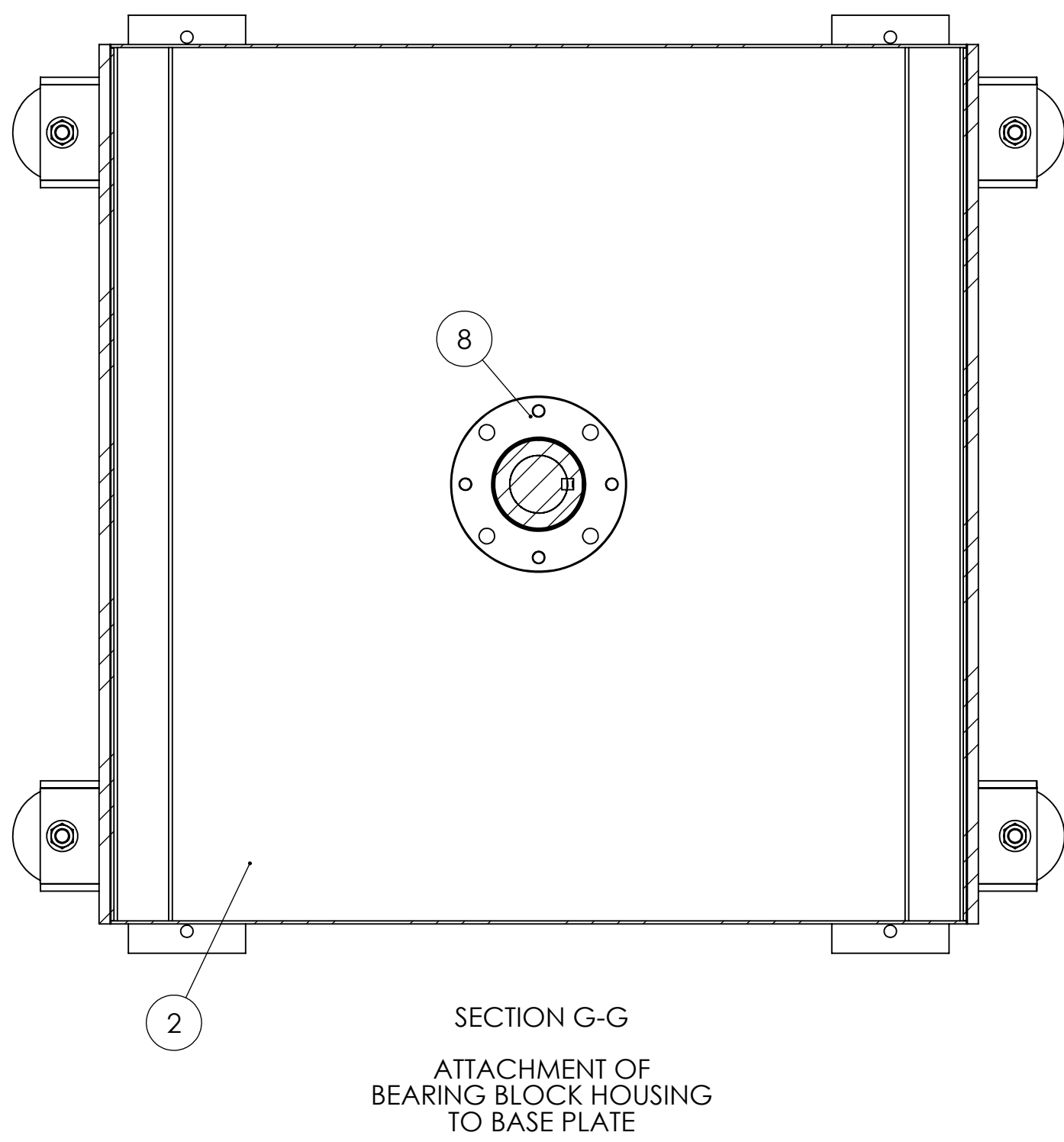
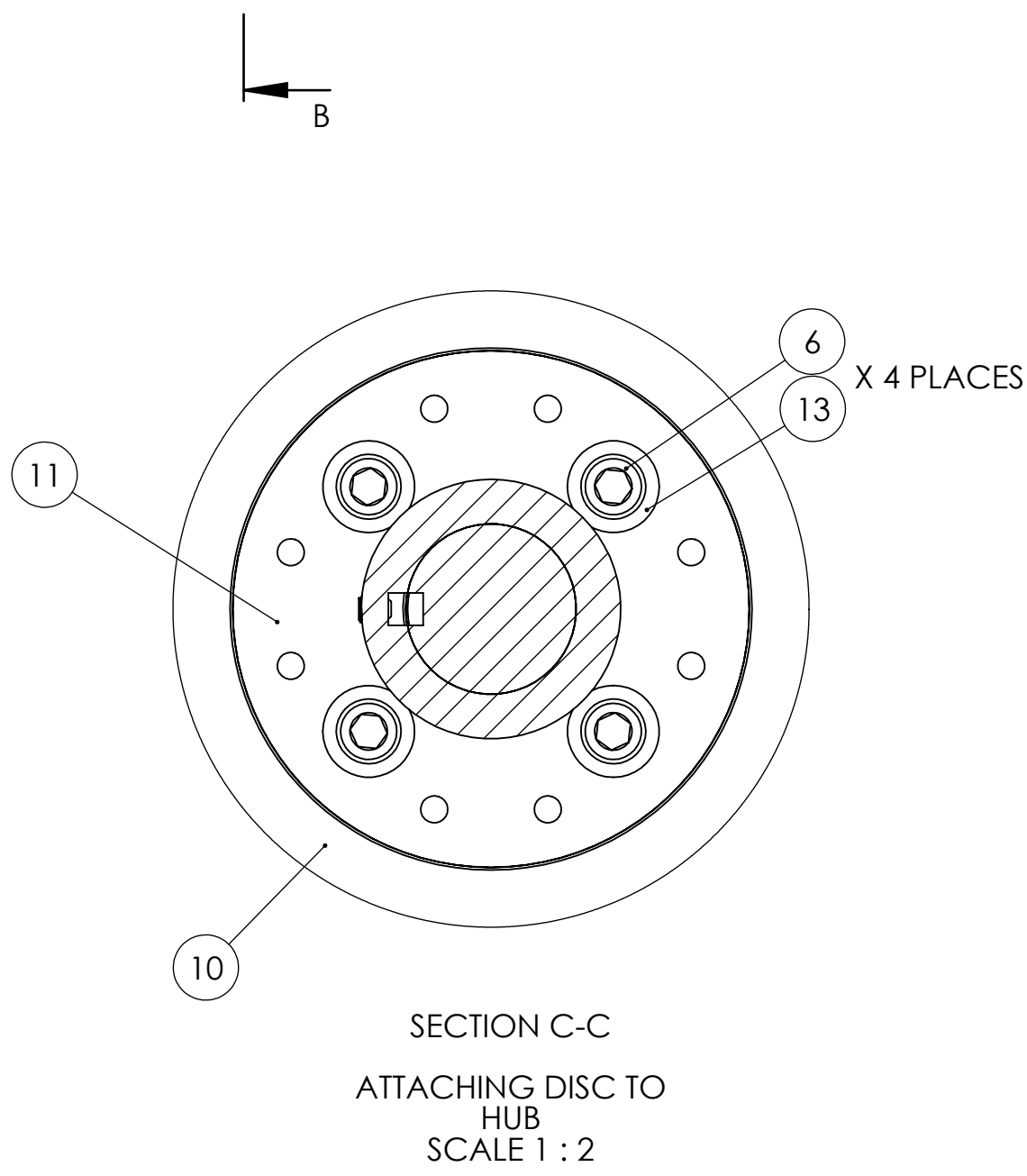
RETURN POLICY: Authorization must be obtained BEFORE returning merchandise. Contact our customer service department at 269-382-2050 for a return authorization number. Include with your return a copy of your invoice or packing slip. Materials must be sent back prepaid unless otherwise indicated. All returns will be subject to a 10% restocking charge. No returns will be accepted after one year of the invoice date.

BELT SANDER SAFETY:

- 1) Read the operating instructions before running machine.
- 2) Always wear safety glasses or a full-face shield for protection.
- 3) Keep hands clear of the sanding area.
- 4) Never wear gloves or loose-fitting clothing when operating this machine.
- 5) Always keep hair tied back or covered.
- 6) Let machine rotation come to a full stop before changing belt.
- 7) Keep Safety guards in place. Do not alter guards or machine in any way. Any alterations to guards or machine could cause serious injury.
- 8) All belt sanders should be operated in a well-ventilated area. The dust created when some materials are sanded can be harmful. Dust masks are recommended as practical means of minimizing dust inhalation. Fumes from other sources can also cause fires when in contact with sanding sparks.
- 9) Sparks created by sanding should be directed downward and away from the face and body. Do not grind near flammable material.
- 10) Electric sanding machines are not intended for use in or near water. This includes an operator standing on a wet floor or working around containers of water or other conductive liquids.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	050-055	CABINET FOR DS24H	1
2	050-060-REV1	TOP PLATE FOR DS24H-REVISION1	1
3	455-016	LEVELER PAD ASSEMBLY	4
4	UFWZ050	1/2 USS F/W Z	8
5	FHN5050	1/2-13 FHN GR5 Z	8
6	SHCA050024	1/2-13 X 1-1/2 SHCS	8
7	SLWZ050	1/2 SPLIT L/W Z	4
8	386-016MOD-REV1	MODIFIED S8 BEARING HOUSING FOR DS24H SANDERS- REVISION 1	1
9	044-018	SPINDLE BEARING FOR DS18H AND DS24H	2
10	160-008	24" ALUMINIUM DISC FOR DS24H	1
11	292-025	FLANGE FOR DS24H SANDER	1
12	SSSA031006	5/16-18 X 3/8 SOC SET CUP PT.	2
13	SFW8050	1/2 SAE F/W GR8 YL/ZN	4
14	701-050	DRIVE SPINDLE FOR DS18H AND DS24H	1
15	699-052	SPACER, DISC FOR DS24-36H SANDERS	1
16	SC200D	SC200D 2" SPLIT COLLAR	1
17	486-024	5 HP MOTOR FOR K12-14MS-3, KM12-14W-3, KM14SC-3, 5 HP MOTOR FOR K12-14MS-3, KM12-14W-3, KM14SC-3	1
18	HHC5031016	5/16-18 X 1 HHCS GR5 Z	4
19	UFWZ031	5/16 USS F/W Z	4
20	SLWZ031	5/16 SPLIT L/W Z	4
21	FHN5031	5/16-18 FHN GR5 ZINC	4
22	560-114	SPINDLE PULLEY SHEAVE FOR DS24H DISC SANDER	1
23	049-079	SPINDLE PULLEY BUSHING FOR DS24H	1
24	560-113	MOTOR PULLEY SHEAVE FOR DS24H	1
25	049-098	MOTOR PULLEY BUSHING FOR DS24H	1
26	051-145	V BELT FOR DS24H SANDER	2
27	FHN5037	3/8-16 FHN GR5 Z	2
28	SLWZ037	3/8 SPLIT L/W Z	2
29	UFWZ037	3/8 USS F/W Z	2
30	160-011	TOP DISC HUB CAP FOR DS24-36H SANDERS	1
31	SHCA031016	5/16-18 X 1 SHCS	1
32	342-062	DISC GUARD FOR DS24H	1
33	HHC5025012	1/4-20 X 3/4 HHCS GR5 Z	8
34	SLWZ025	1/4 SPLIT L/W Z	18
35	293-028	FENCE FOR DS24H	1
36	HHC5025008	1/4-20 X 1/2 HHCS GR5 Z	10



UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES	DRAWN		
TOLERANCES:	CHECKED		
FRACTIONS < 1/8	END APPR.		
ANGULAR < 30°	INFO APPR.		
THREE PLACE DECIMAL	C.O.A.		
INTERPRET GEOMETRIC TOLERANCES PER ASME Y14.5	COMMENTS:		
NEED ADDY	USED ON	FRONT	
APPLICATION	DO NOT SCALE DRAWING		

PROPRIETARY/CONFIDENTIAL

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TITLE: DS24H 24 INCH HORIZONTAL DISC SANDER

SIZE: DWG. NO. E

SCALE: 1:1.5 WEIGHT: 1

REV SHEET 1 OF 1