



S660MW Wet Belt Sanders Instruction Manual

S660MW– 6" x 48" Wet Belt Sanders

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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
 - Abrasive belt rotation is counterclockwise. If the abrasive belt is lap spliced, be sure of correct rotation. Butt spliced belts are bi-directional.
 - Belt tension is pre-set with tension spring (28) No belt tension adjustment is needed.
 - Belt Changing – Disconnect power. Open the guard door (53), then pull down the tension lever (29) to release belt tension. Remove the old belt, install the new one, and push the lever back up to reapply tension. Track sanding belt.
 - Belt tracking - With power disconnected, rotate the belt by hand to center it. Loosen hex nut and adjust tracking knob (41) in or out to track the belt. Re-tighten hex nut on tracking knob to lock the setting. Close guard door (53) and reconnect power.
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- Examine the abrasive belt carefully before use. Never use an abrasive belt with a nicked or cut edge, crease, or handling damage.
 - Coolant Use a rust-inhibiting coolant. Consult your dealer for specifications.
 - Adjust sanding head position (S660MW): Power off and lock out. Support the sanding head, then slightly loosen—do not remove—bolts (47) on frame (18). Reposition the head to the desired angle/height, keeping belt tracking and guard clearances in mind. Tighten bolts (47) on frame (18) evenly, verify alignment by rotating the belt by hand, then restore power and test tracking.

Maintenance:

- Keep the coolant tank clean. Direct coolant line into a container to drain.
- Wipe out swarf from the tank bottom.
- Vary sanding area to prevent wear on the sanding frame.
- Replace drive pulley if crown is worn flat.
- Replace idler pulley if bearing fail.

V – belt Inspection:

- Inspect the V-belt (cracks/glaze/fray) and verify pulley alignment.
 - Tension check: At the midpoint, pinch the belt—aim for about 1/4" squeeze. More = too loose; less = too tight.
 - Adjust: Loosen hexnuts (7,8) motor mount brackets (10), adjust up or down to set belt tension then retighten hexnuts (7,8). Run briefly, power down, and recheck.
 - New belts stretch—re-tension after the first hour and periodically. Loose belts slip/wear fast; overtight belts stress bearings.
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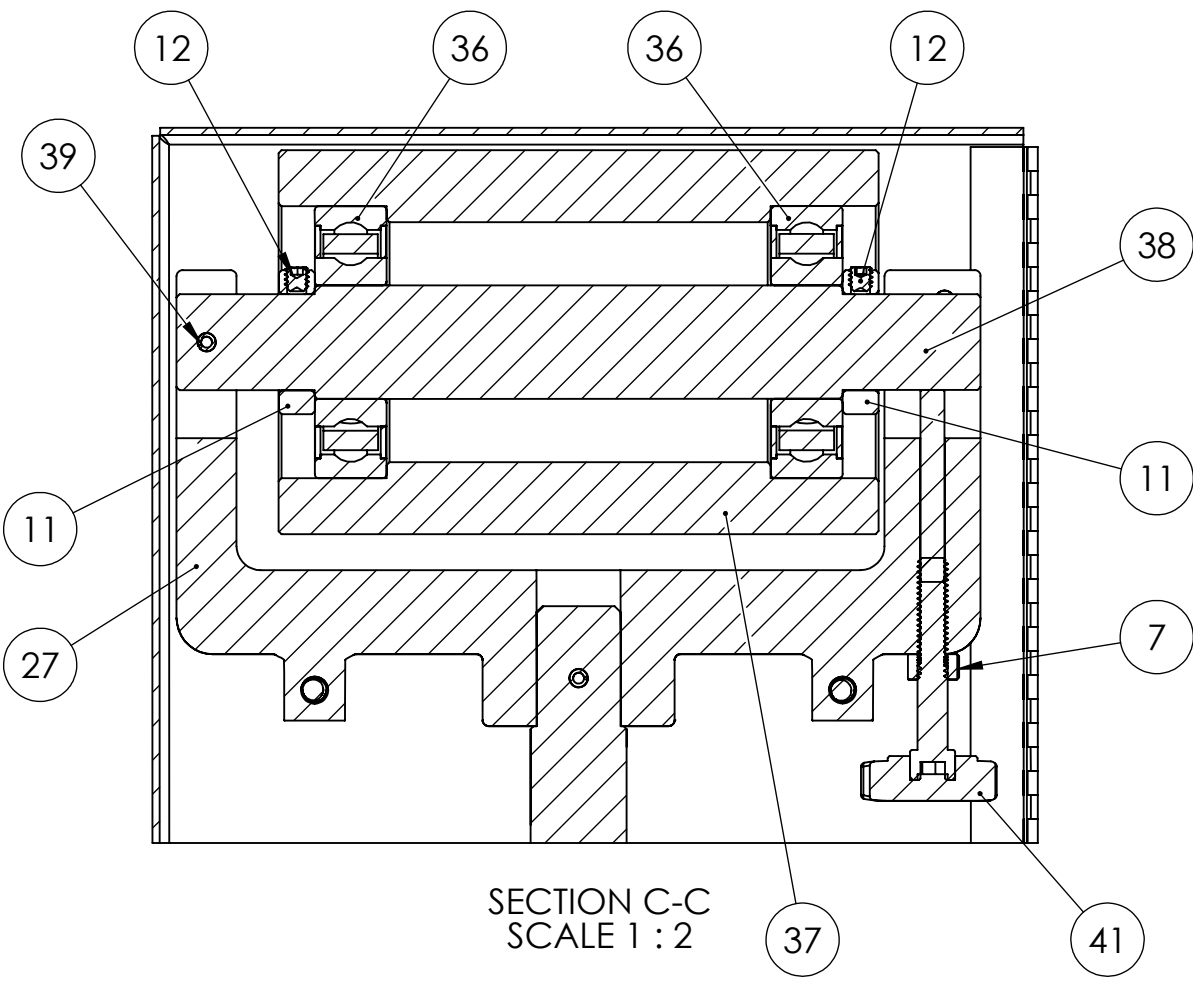
WARRANTY: All products are guaranteed for a period of one year to the original purchaser, against defects in material workmanship under normal use. Exclusions may apply.

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.

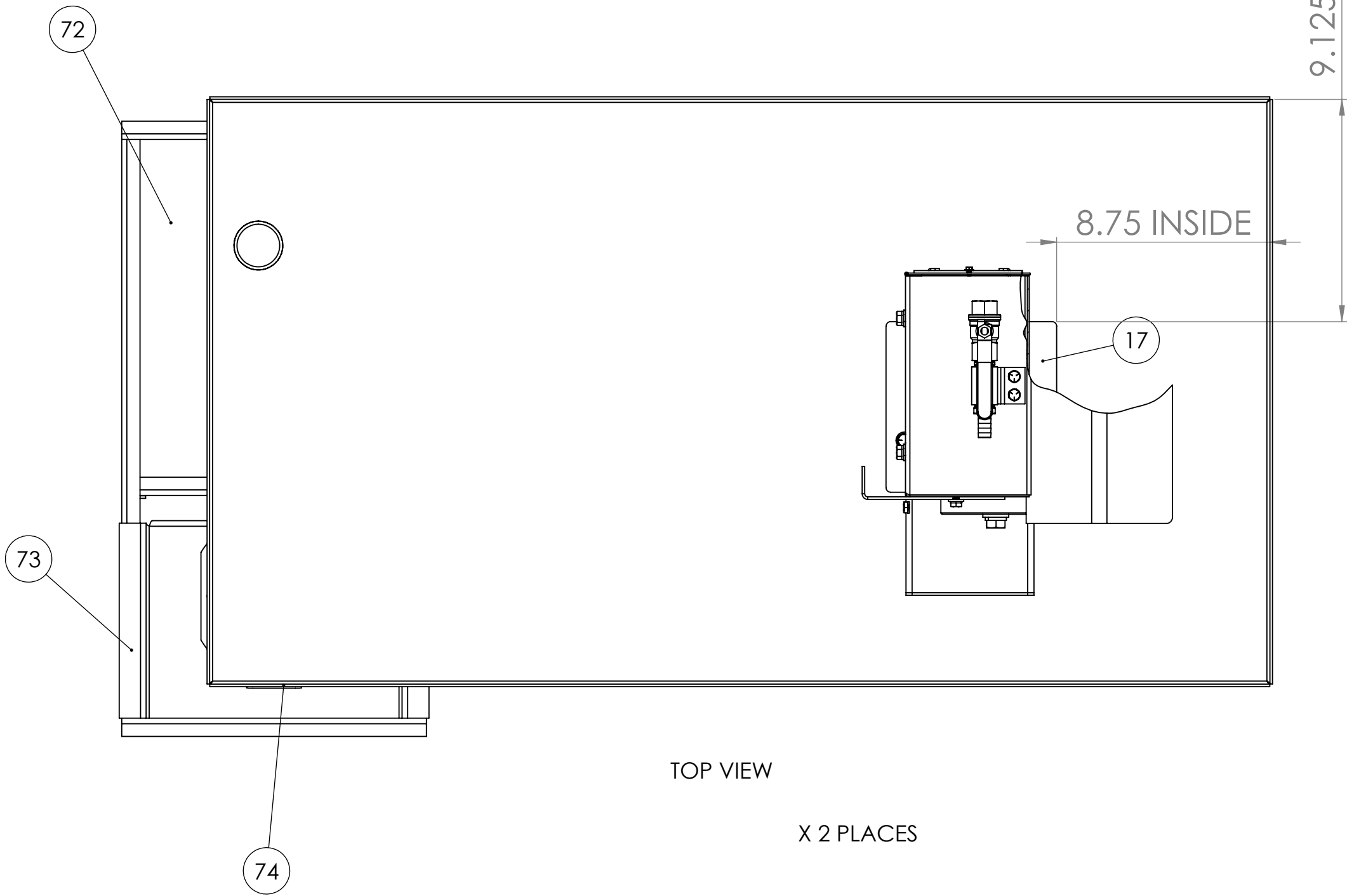
BELT SANDER SAFETY:

- 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.

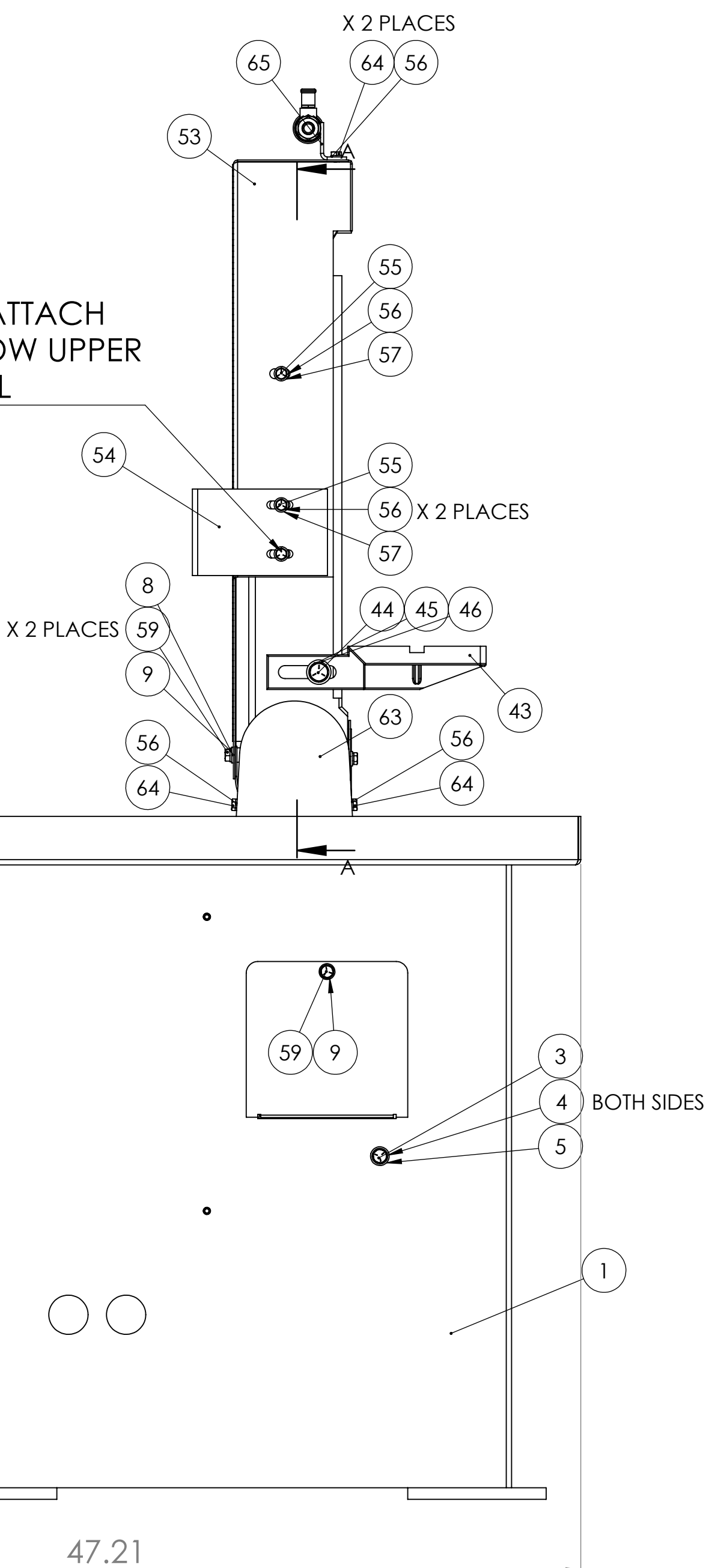
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
F3	1	HARDWARE REPLACED. BOLT ORIENTATION REVERSED. FLAT WASHER REPLACED WITH LOCK WASHER. ADDED SPRING WASHER	4/4/2024	



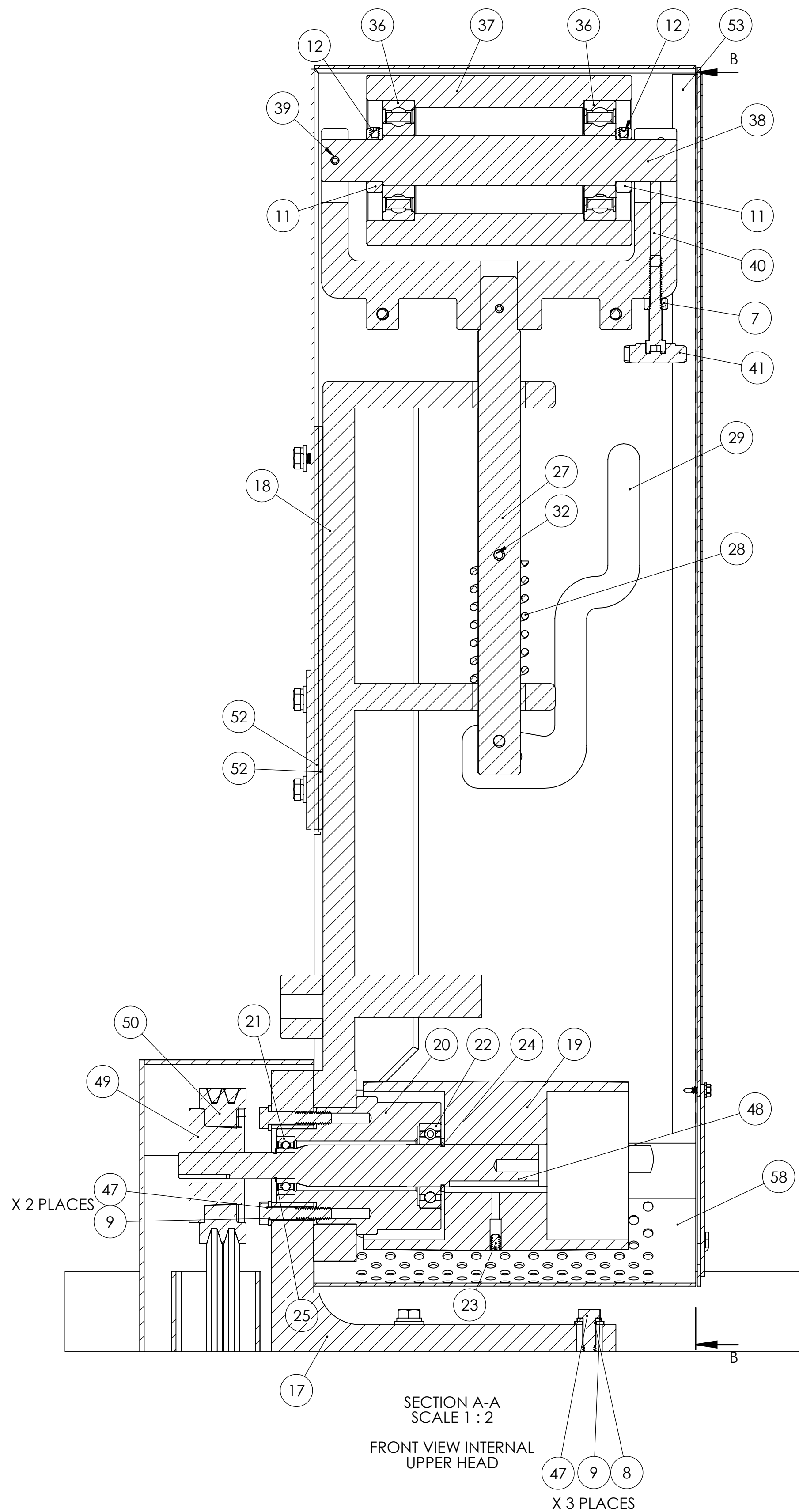
SECTION C-C
SCALE 1 : 2
SECTION VIEW OF
IDLER PULLEY COMPONENTS



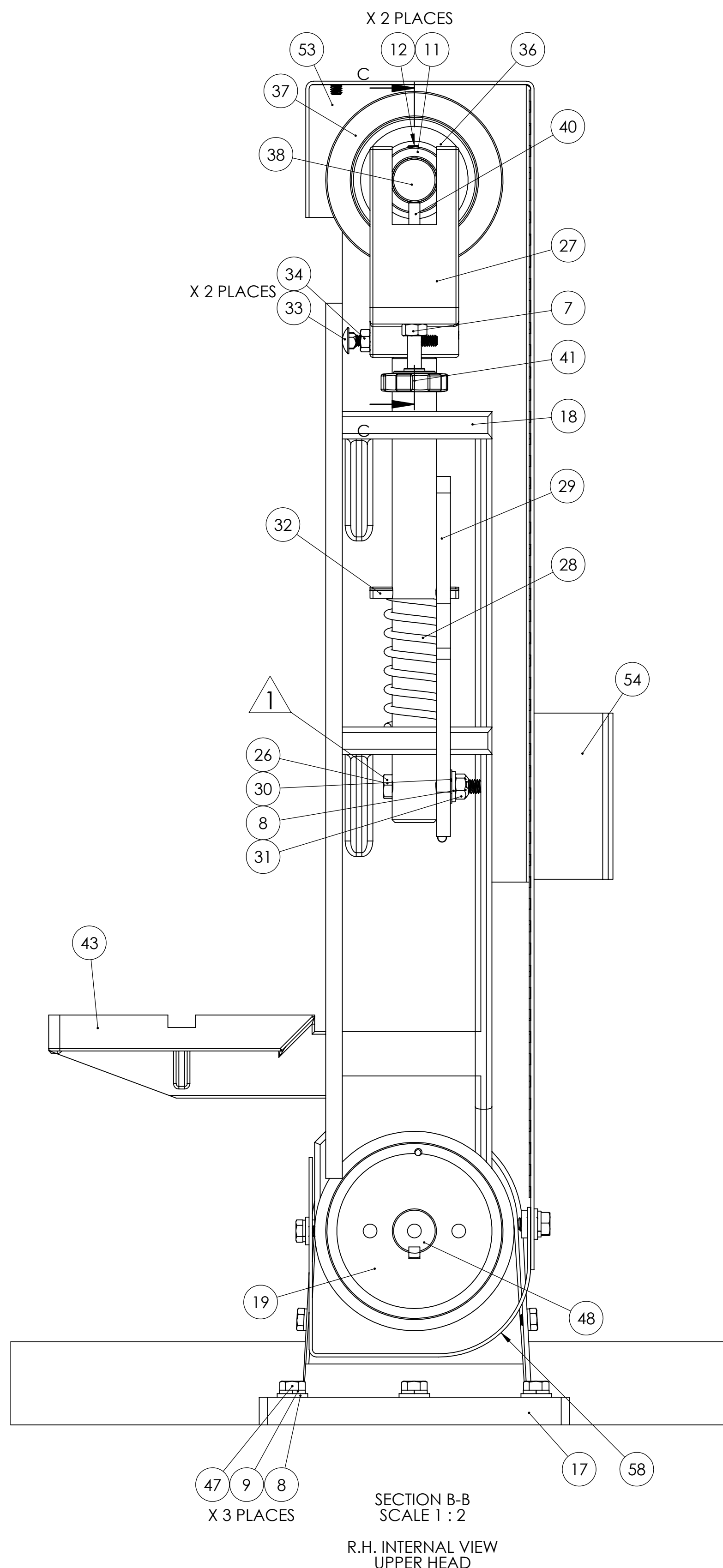
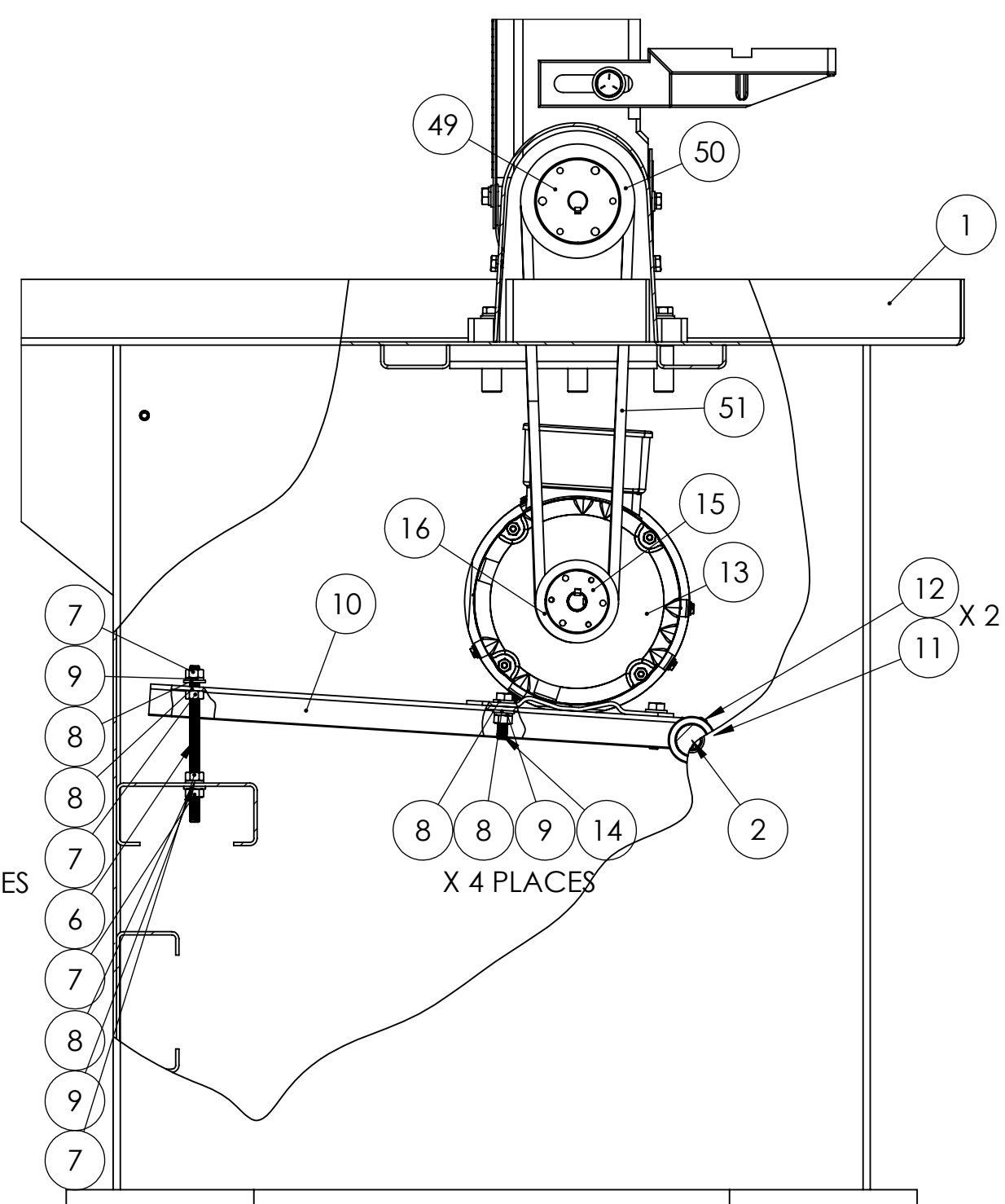
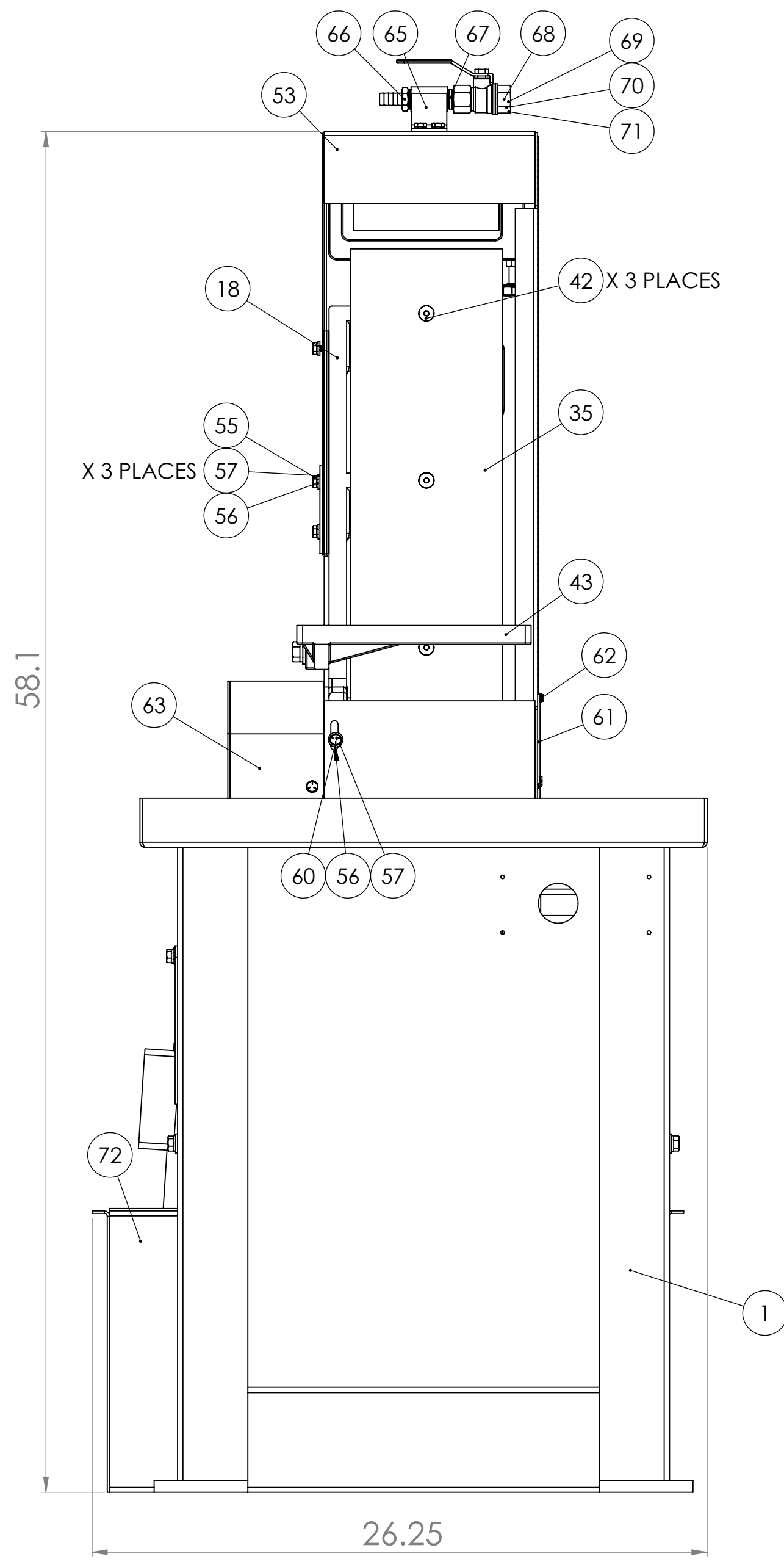
TOP VIEW
X 2 PLACES



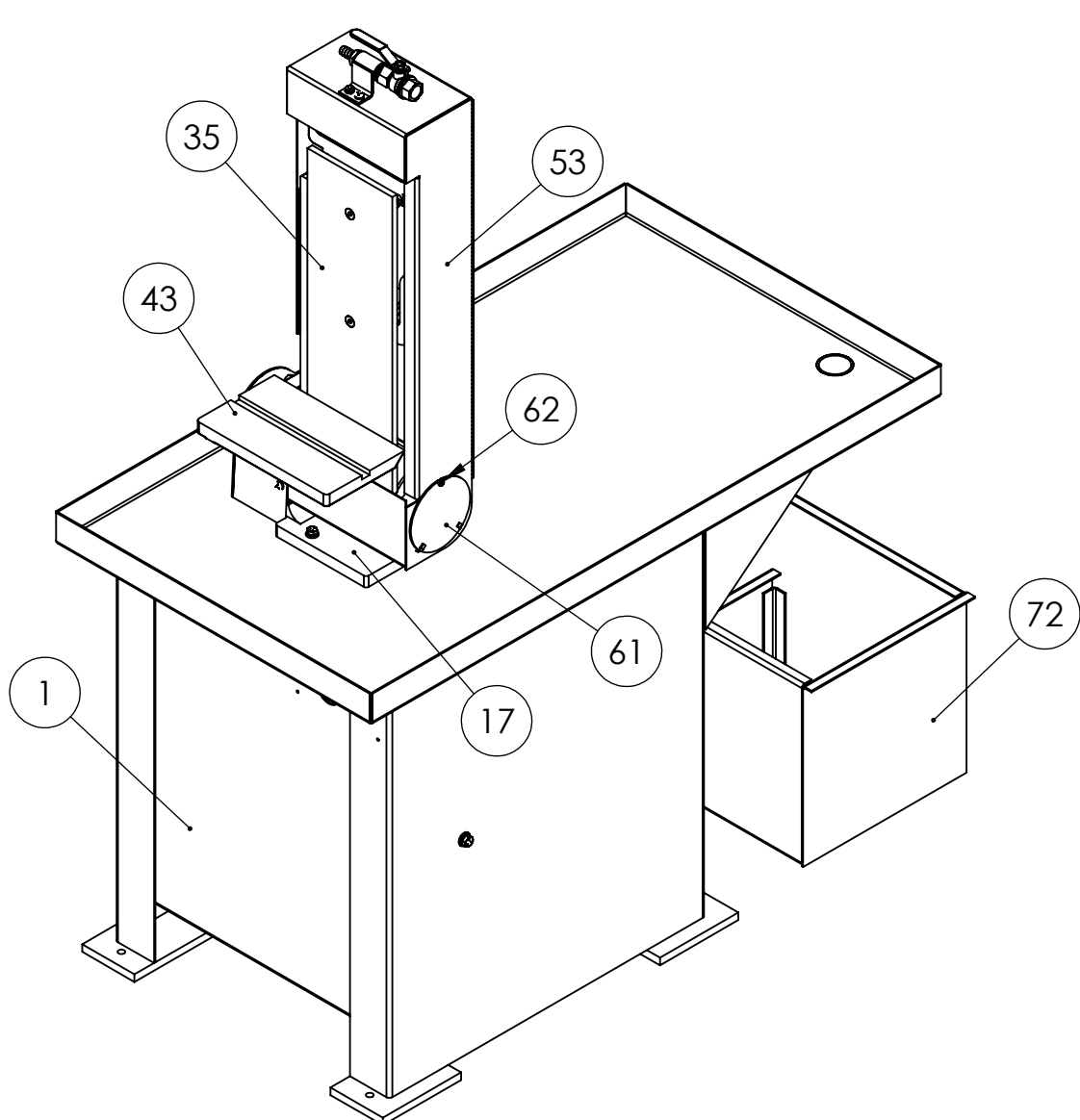
USE THESE FASTENERS TO ATTACH
BRACKET 041-115 TO ALLOW UPPER
HEAD TO LAY HORIZONTAL



SECTION A-A
SCALE 1 : 2
FRONT VIEW INTERNAL
UPPER HEAD



SECTION B-B
SCALE 1 : 2
R.H. INTERNAL VIEW
UPPER HEAD



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	716-014W	STAND ASSEMBLY FOR S6MW AND S660MW	1
2	700-046	S6MW, S660MW MOTOR MOUNT PIVOT SHAFT	1
3	HHCS5037020	3/8-16 X 1-1/4 HHCS GR5 Z	2
4	SLW2037	3/8 SPLIT L/W Z	2
5	UFW2037	3/8 USS F/W Z	2
6	RND-0.313-18X5	5 INCHES OF 5/16-18 THREADED ROD	2
7	FHN5031	5/16-18 FHN GR5 ZINC	17
8	UFW2031	5/16 USS F/W Z	21
9	SLW2031	5/16 SPLIT L/W Z	20
10	690-014	RAIL, MOTOR MOUNT FOR S 460, S6, S8 SANDERS	2
11	123-016	S6 IDLER PULLEY LOCK COLLAR	4
12	SSKA025004	1/4-20 X 1/4 SOC SET KNURL PT.	4
13	486-007	3HP FOR K8B, K10B, KM10, BG260H, S460W, S6MW & S612	1
14	HHCS5031020	5/16-18 X 1-1/4 HHCS GR 5 Z	4
15	049-020	MOTOR PULLEY BUSHING FOR S460W, S6MW & S612	1
16	560-052	MOTOR PULLEY SHEAVE FOR S6MW, S612 AND S460W	1
17	050-025	CAST IRON BASE FOR S612V-S6MW	1
18	291-030	CAST IRON FRAME WITH BUSHINGS FOR S660 SERIES SANDERS	1
19	560-015	S6 DRIVE PULLEY	1
20	386-013	S6 BEARING HOUSING	1
21	044-007	K10 BEARING	1
22	044-001	K12 BEARING	1
23	SSHA025006	1/4-20 X 3/8 SOC SET 1/2 DOG	1
24	641-007	RETAINING RING 1" FOR S6, S460W, S612 DRIVE SPINDLE	1
25	641-016	RETAINING RING SHR-62 ST PA 5/8	1
26	HH5031032	5/16-18X2 HEX HEAD TAP BOLT GR5 ZINC	1
27	960-006W	YOKE WITH TENSION SHAFT FOR S6 WET SANDERS	1
28	697-024	SPRING, TENSION FOR BG260, S460, S6MW SANDERS, K12-14B SAW, KS390, KS490, KS690 BELT GRINDERS	1
29	455-003	TENSION RELEASE LEVER FOR S6 SANDER HEADS	1
30	BWWA031	5/16 BOWED SPRING WASHER 21/64	1
31	STN2031	5/16-18 X 3/4 FSHCS WAX	1
32	ROLA025024	1/4 X 1-1/2 ROLL PIN	1
33	CRB2025032	1/4-20 X 2 CARRIAGE BOLT ZINC PLATED	2
34	FHN5025	1/4-20 FHN GR5 Z	2
35	563-023	PLATEN FOR S660 SERIES SANDERS	1
36	044-004	K20 SPINDLE BEARING	2
37	560-016-2	S6 IDLER PULLEY- NEW STYLE	1
38	701-019N	S6 IDLER SPINDLE- NEW STYLE	1
39	ROLA018032	3/16 X 2 ROLL PIN	1
40	562-018	TRACKING SCREW PIN FOR S6 SERIES SANDERS	1
41	441-014	TRACKING KNOB ASSEMBLY	1
42	FSCA031012	5/16-18 X 3/4 FSHCS	3
43	829-012	S6 WORK TABLE	1
44	HHCS5050032	1/2-13 X 2 HHCS GR5 Z	1
45	SLW2050	1/2 SPLIT L/W Z	1
46	SFW2050	1/2 SAE F/W Z	1
47	HHCS5031024	5/16-18 X 1-1/2 HHCS GR5 Z	5
48	701-041	SPINDLE, DRIVE (8-1/2 LONG) FOR S6MW, S660MW SANDER	1
49	049-019	BUSHING FOR SPINDLE V-BELT PULLEY FOR S460W, S6MW, S612, S6272	1
50	560-051	SPINDLE PULLEY SHEAVE FOR S6MW, S6MW, S460W	1
51	051-003	3VX355 V-BELT FOR K10, KM10, S660 SERIES OSHA GUARD TO FRAME SPACER	2
52	699-050	S660 GUARD, FULL BOXED OSHA, FOR S660M, S660MW SANDERS	1
53	342-085	S6MW AND S660MW ARM SUPPORT FOR HORIZONTAL APPLICATION	1
54	041-115	1/4-20 X 1 HHCS GR5 Z	3
55	HHCS5025016	1/4 SPLIT L/W Z	8
56	SLW2025	1/4 USS F/W Z	4
57	UFW2025	PERFORATED BOTTOM PIECE FOR S6MW, S660MW OSHA GUARD	1
58	342-069PERF END	5/16-18 X 1/2 HHCS GR5 Z	3
59	HHCS5031008	1/4-20 X 3/4 HHCS GR5 Z	1
60	HHCS5025012	BLANK COVER FOR S6M SANDER OSHA GUARD	1
61	342-069C	#8 X 1/2 HWH TEKS Z	1
62	HW1Z008008	V-BELT GUARD FOR S6MW AND S660MW SANDERS	1
63	342-134	1/4-20 X 1/2 HHCS GR5 Z	4
64	HHCS5025008	COOLANT HOSE MOUNTING BRACKET ASSEMBLY	1
65	389-004	HOSE BARB 1/2H X 1/2MNTP	1
66	BN444	050CL40BLN 1/2 BLACK CLOSE NIPPLE	1
67	050CL40BLN	JOM 100-703 BRONZE BALL VALVE FULL PORT-1/2	1
68	912-030	1/2" NPT THREADED CONNECTOR FOR 1/2" LINE-LOC HOSE	1
69	8450-27	1/2" LINE-LOC HOSE SEGMENT- 12IN LONG	1
70	8450-22	2" GRAY FLARE NOZZLE FOR 1/2" LINE-LOC HOSE	1
71	8550-225	COOLANT TANK ASSEMBLY FOR S460W, S6MW, S660MW, K12-14MS, K12-14W	1
72	716-011	1/4 TO 1/2 H.P. COOLANT PUMP MOUNTING BRACKET FOR WET SANDERS	1
73	041-114	1/4HP COOLANT PUMP AND MOTOR	1
74	577-002	5/16-18 X 1 HHCS GR5 Z	4
75	HHCS5031016		

UNLESS OTHERWISE SPECIFIED:	DRAWN	NAME	DATE
DIMENSIONS ARE IN INCHES	CHECKED		
TOLERANCES:	ENG APPR.		
FRACTIONAL 1/16	INFO APPR.		
ANGULAR 30 MIN	G.A.		
DECIMAL 0.005	COMMENTS:		
THREE PLACE DECIMAL 0.005			
INTERPRET GEOMETRIC TOLERANCES PER ASME Y14.5			
NEST ASST	USED ON	FRONT	
APPLICATION	DO NOT SCALE DRAWING		

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KALAMAZOO. COMPANY NAME HERE- IS
PROHIBITED.

TITLE
**S660MW WET
BELT SANDER**
SIZE: DWG. NO.
E S660MW REV
SCALE: 1:5 WEIGHT: SHEET 1 OF 1