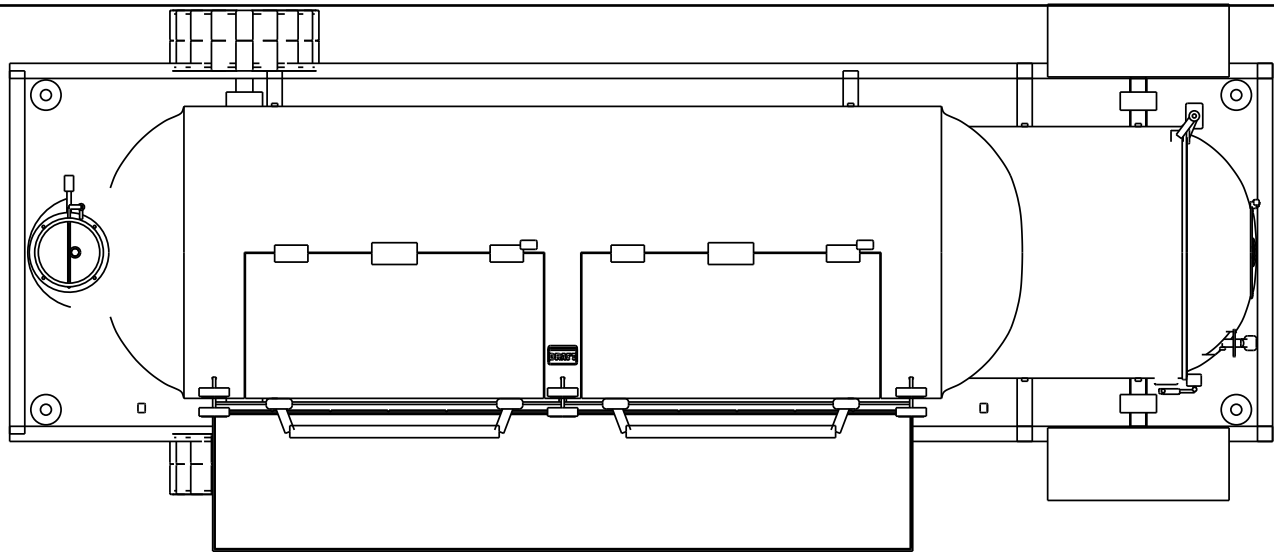


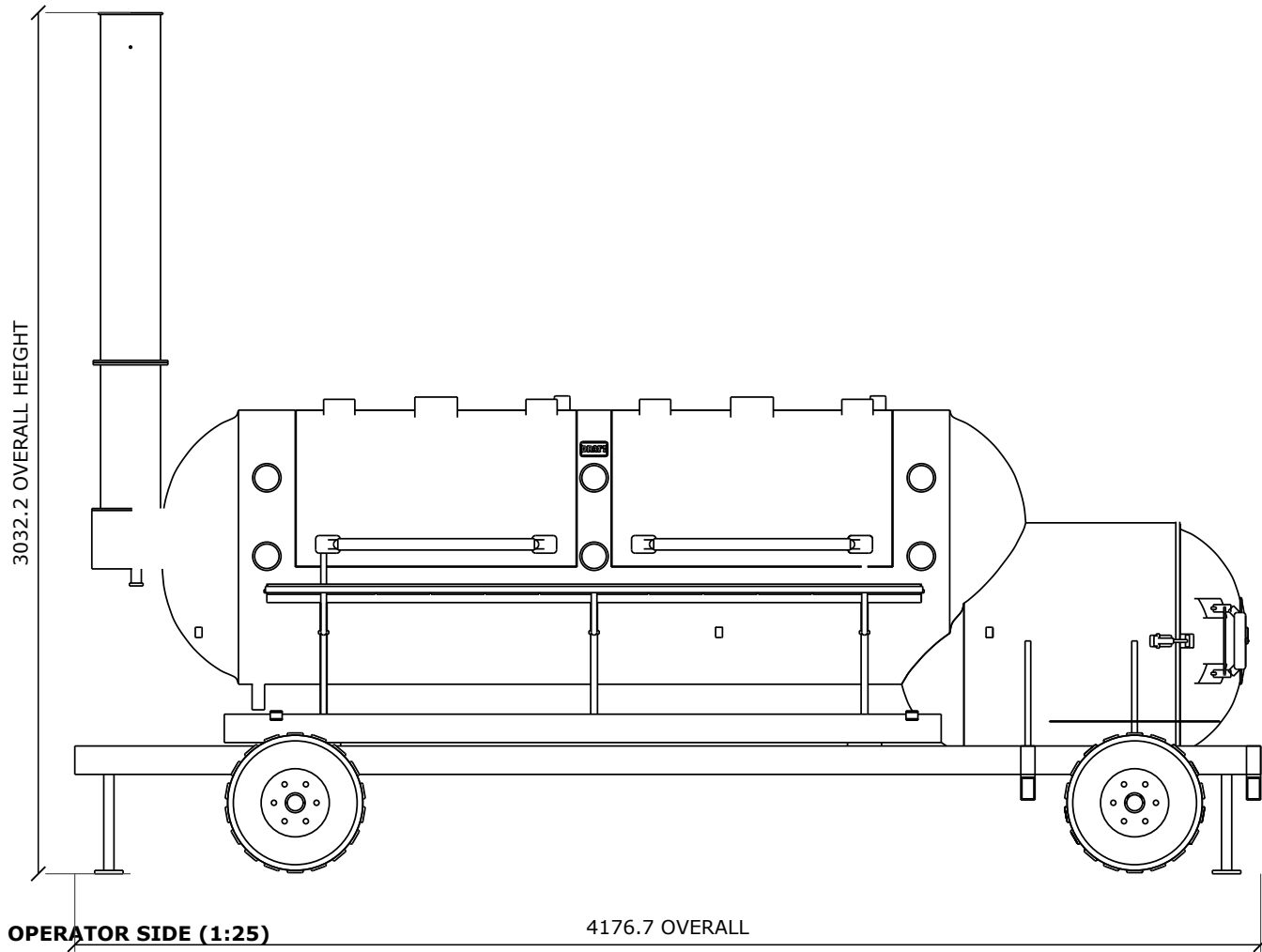
GENERAL ARRANGEMENT

WO500-GA001 / REV V

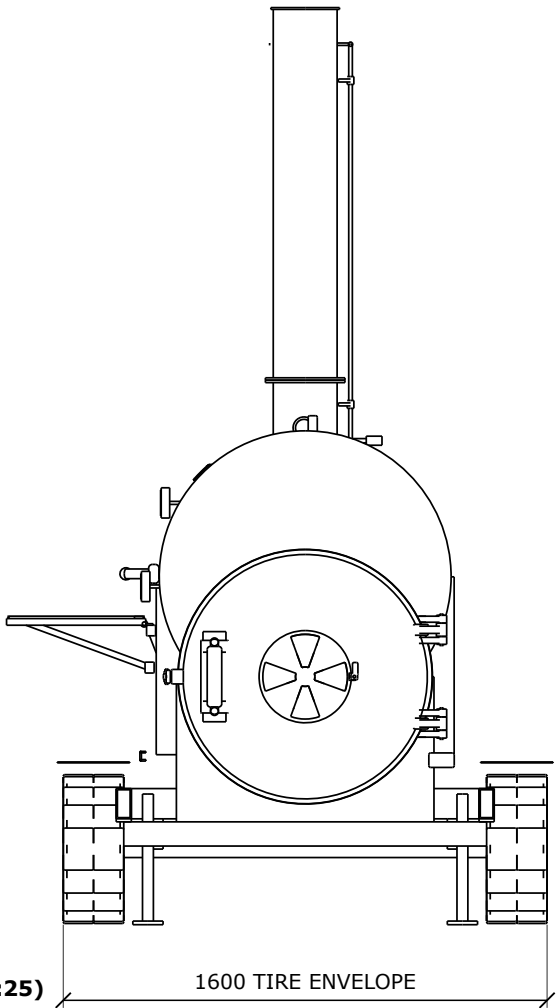


TOP / ALIGNED WITH FRONT (1:25)

- 1. 500 US gal nominal main-chamber reference.
- 2. Firebox right; compact exhaust left.
- 3. Six probes 38.1 above two grate elevations.
- 4. Four tyre envelopes; ratings unassigned.
- 5. Upper butterfly uses a close vertical side linkage.
- 6. Third-angle view arrangement. Units mm.
- 7. Preliminary dimensions, not cut instructions.



FRONT / OPERATOR SIDE (1:25)



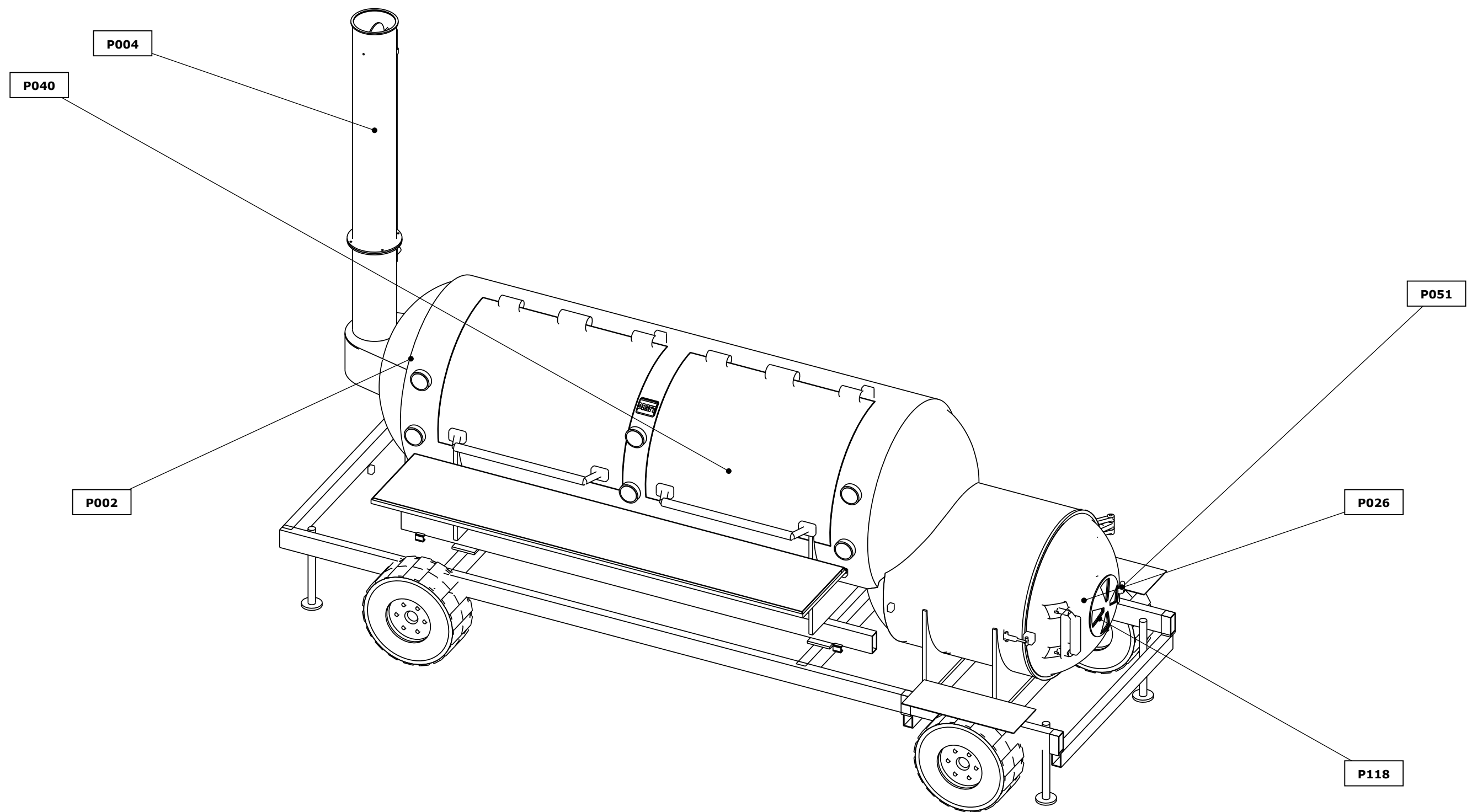
RIGHT END (1:25)

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UNITS: mm
SCALE: AS SHOWN
DATE (UTC): 2026-09-20

TOLERANCES: UNASSIGNED
CHECKED: NOT RELEASED
MATERIALS: SEE SCHEDULE

DRAWING: GA001
SHEET: 1 / 9
REVISION: V



CAD ISOMETRIC (1:20)

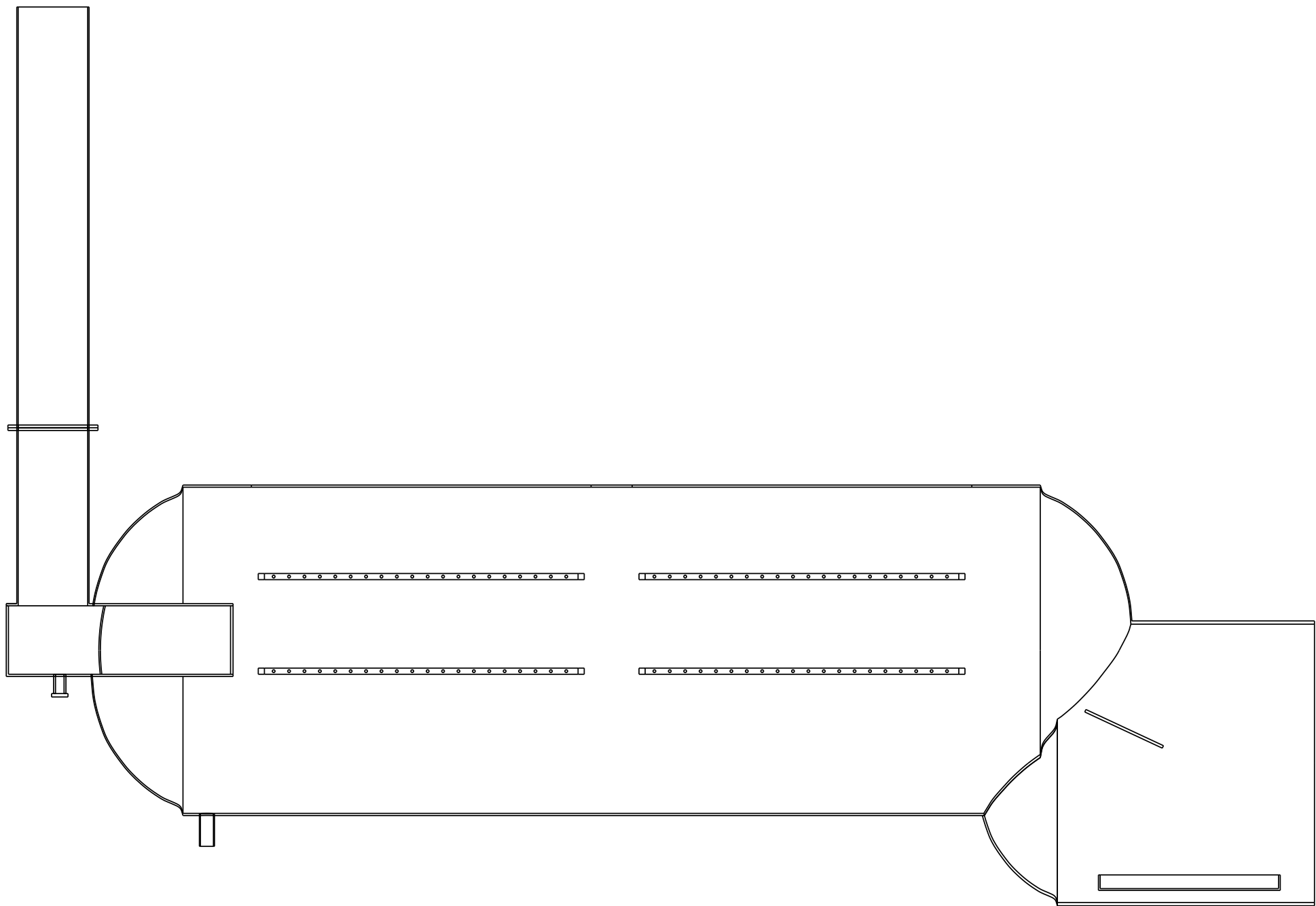
Part balloons refer to the schedule. All visible linework is projected from the native CAD geometry.

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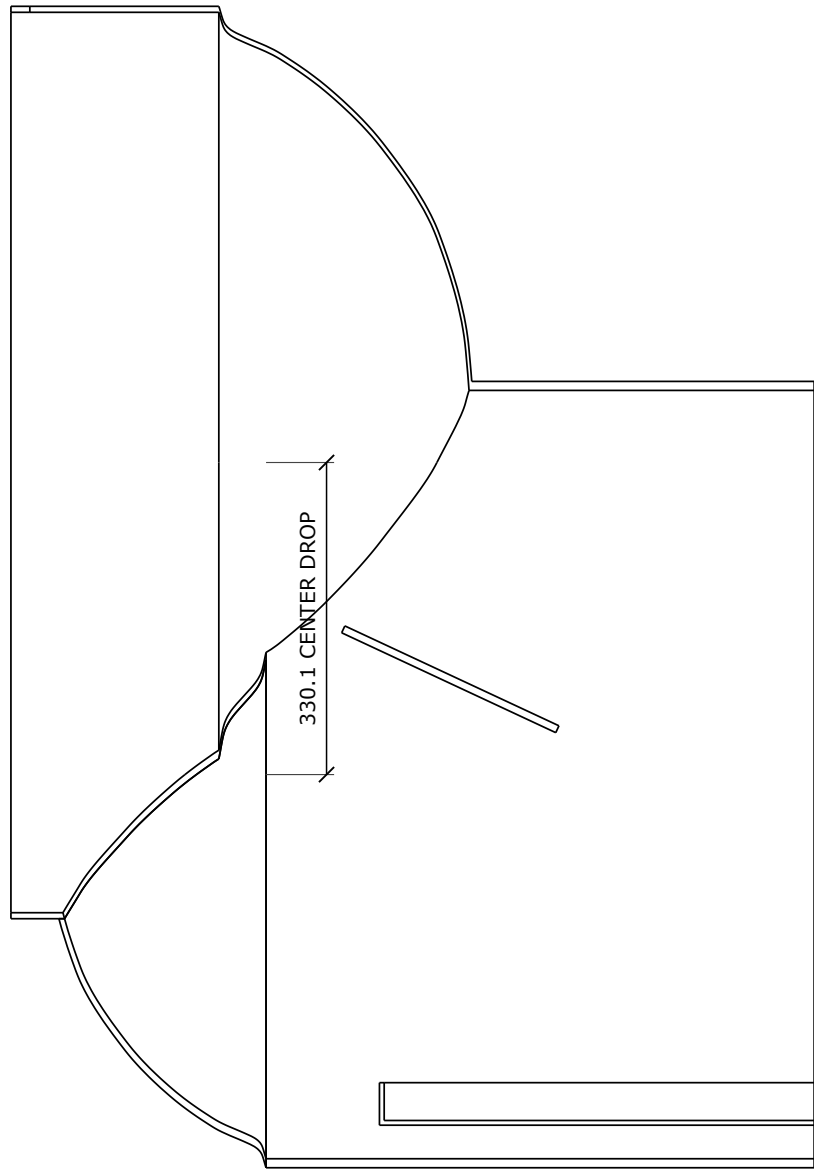
TOLERANCES: UNASSIGNED
CHECKED: NOT RELEASED
MATERIALS: SEE SCHEDULE

DRAWING: GA002
SHEET: 2 / 9
REVISION: V



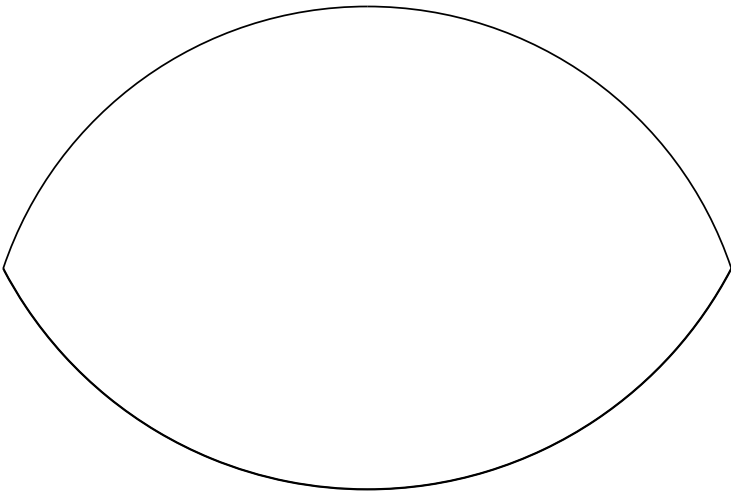
CUTAWAY AT Y = 0 (1:15)

Front half removed. Main chamber, grates, collector, throat and firebox are actual cut CAD solids.
Cutaway is for design review, not a weld-preparation section. Closed-door combustion remains unverified.



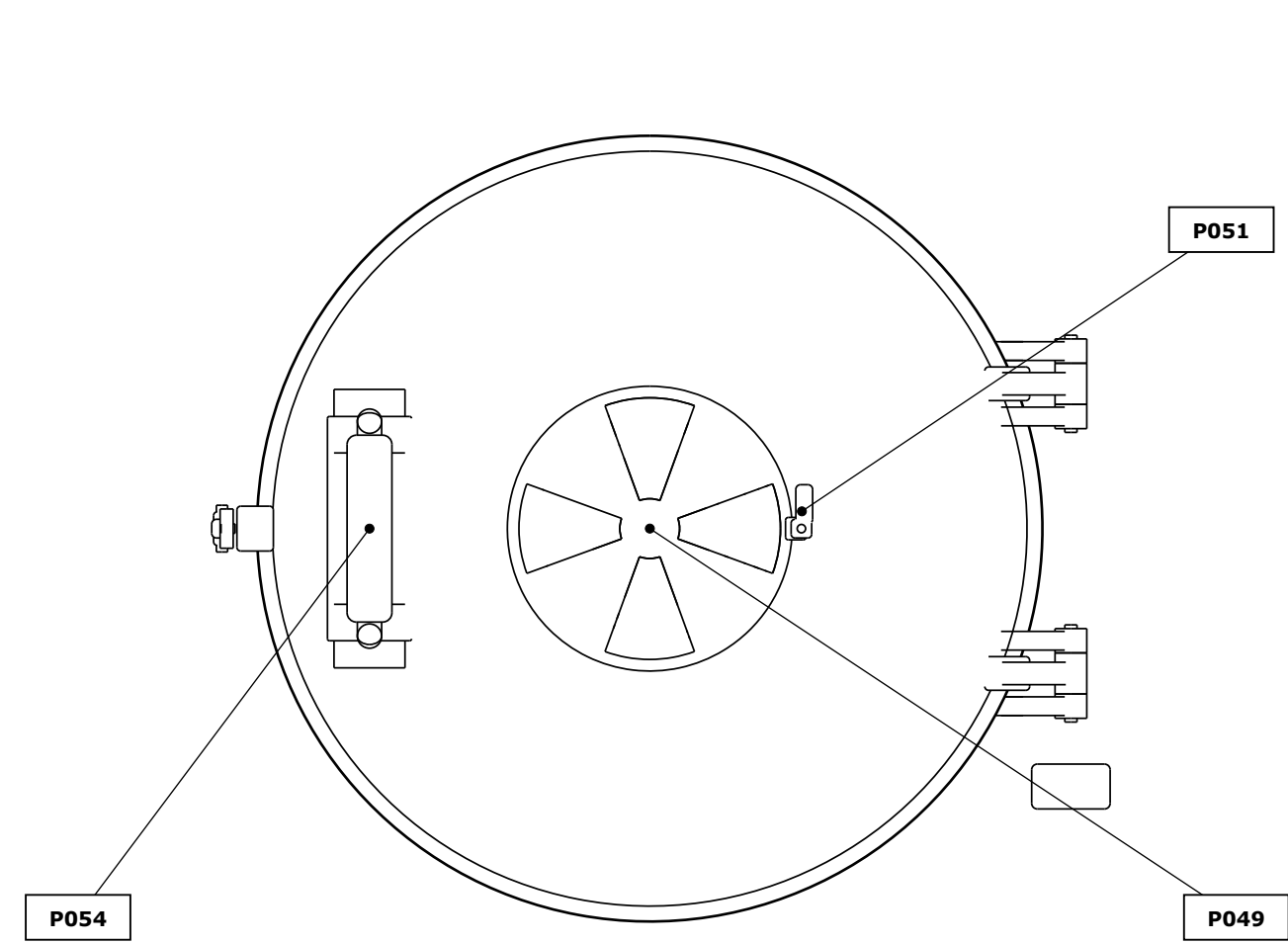
LOCAL CUTAWAY / NO REDUCER (1:8)

DIRECT DOME-TO-HEAD ATTACHMENT
Left firebox head: fixed, coped and welded.
Right firebox lid: hinged, opens sideways.
No lofted fairing, cone or adapter tube.

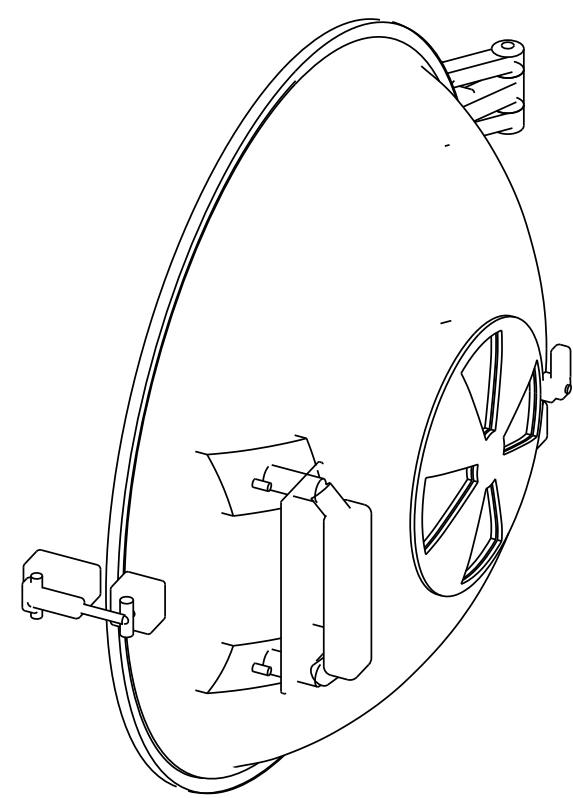


NATURAL OPENING SECTION (1:8)

CAD area: 284,263 mm2
Reference area: 165,666 mm2
Area measured through a 1 mm section.
Weld details and structural ratings unassigned.

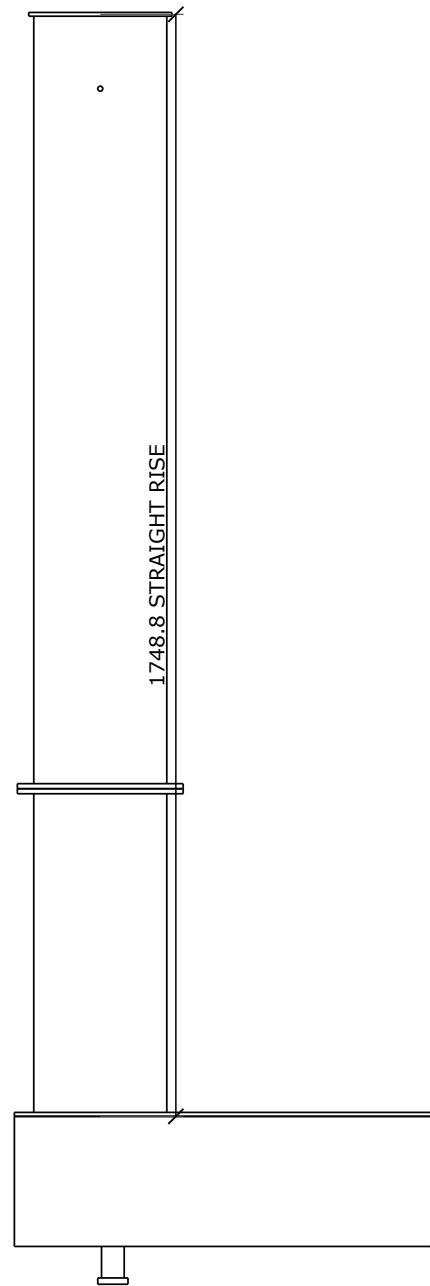


OUTWARD END / HANDLE LEFT (1:8)

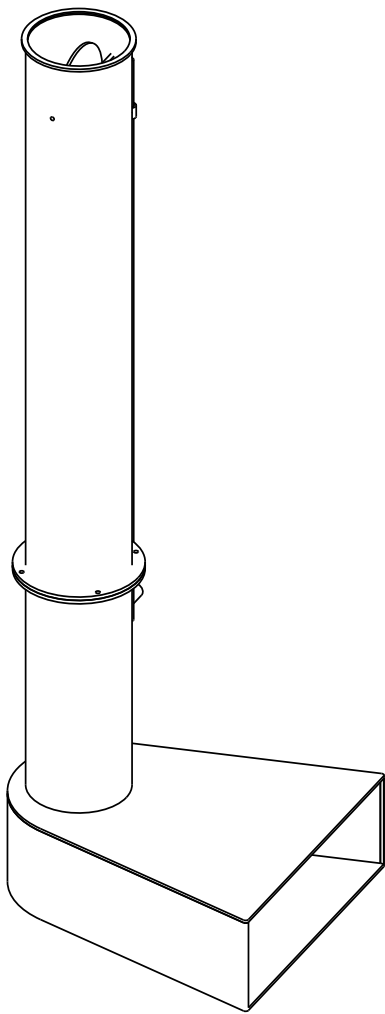


DOOR ISOMETRIC (1:8)

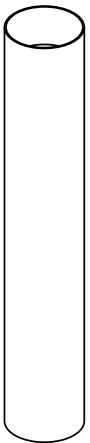
Vent circle: 304.8
Pull: 280 tall; 95 stand-off.
Wood grip, black return arms and black mounting bezels.
Right vertical hinges; horizontal swing only.
Hinges, latch and heat exposure not rated.



EXHAUST / DAMPER OPEN (1:12)



BLADE, SHAFT AND SIDE LINKAGE (1:15)

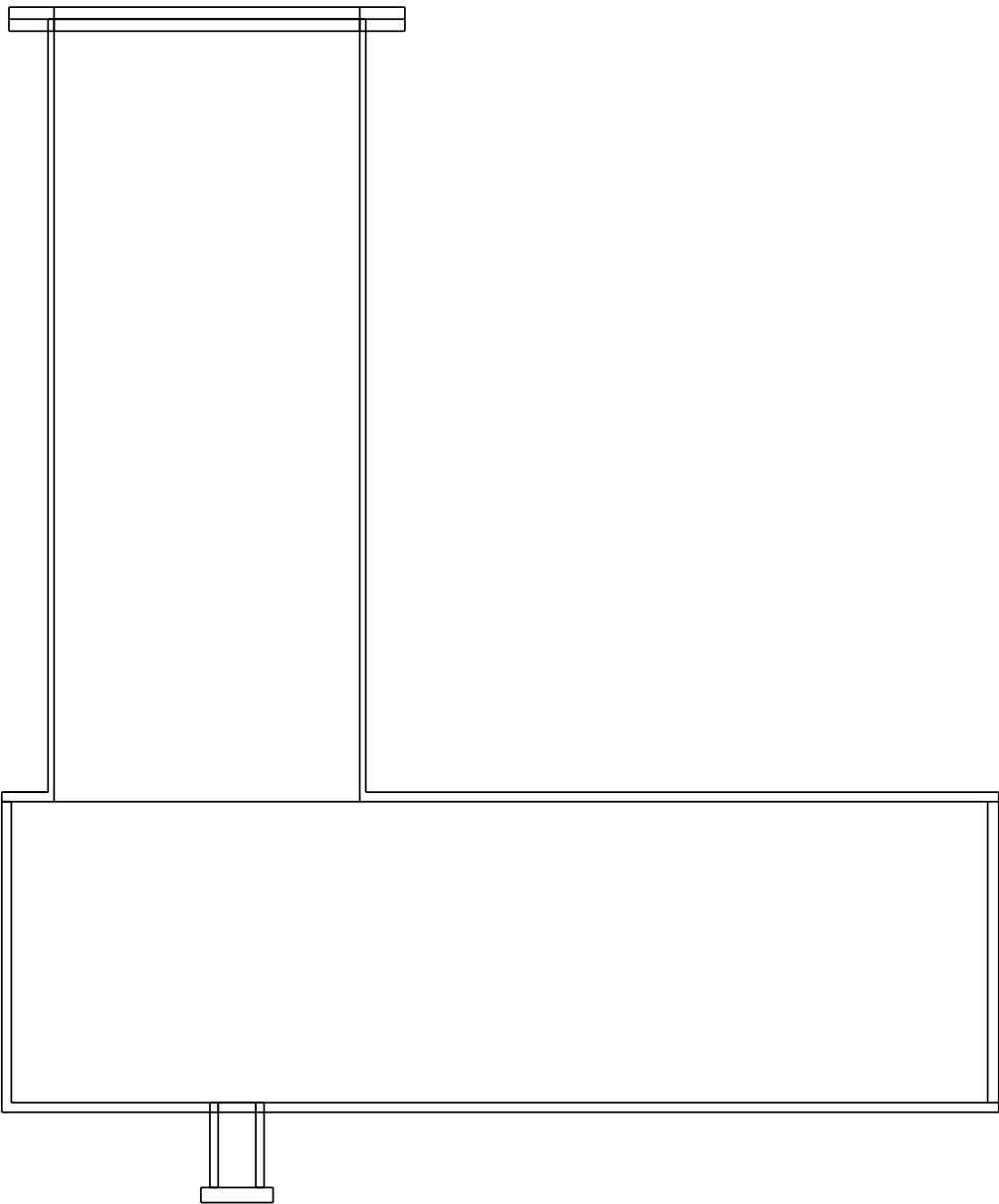
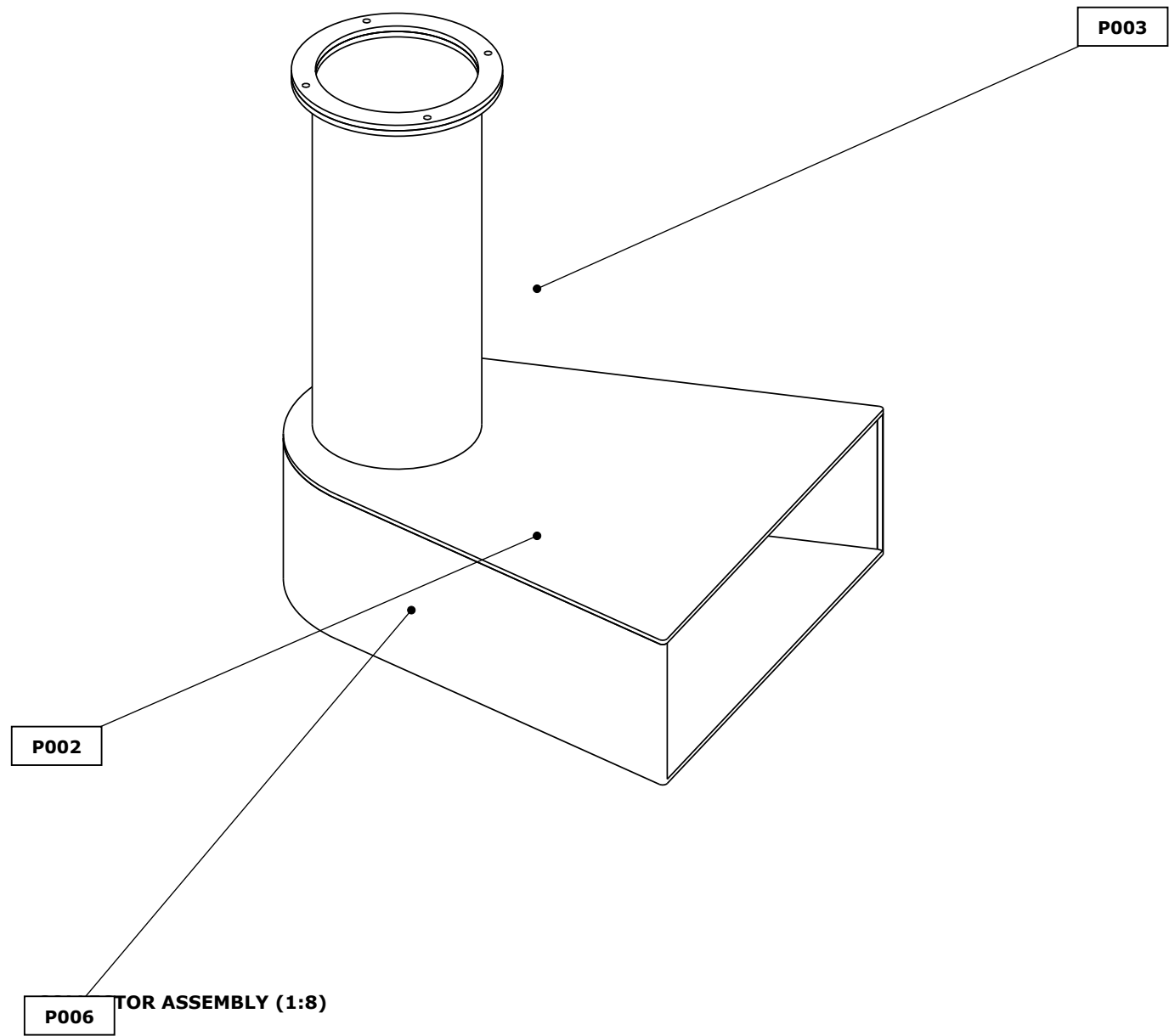


CLOSED POSITION / BLADE HORIZONTAL (1:20)

Bore: 203.2
Blade: 196
Below outlet: 118
Equal short upper/lower cranks.
Close vertical side link.
Positive rotation stops required.

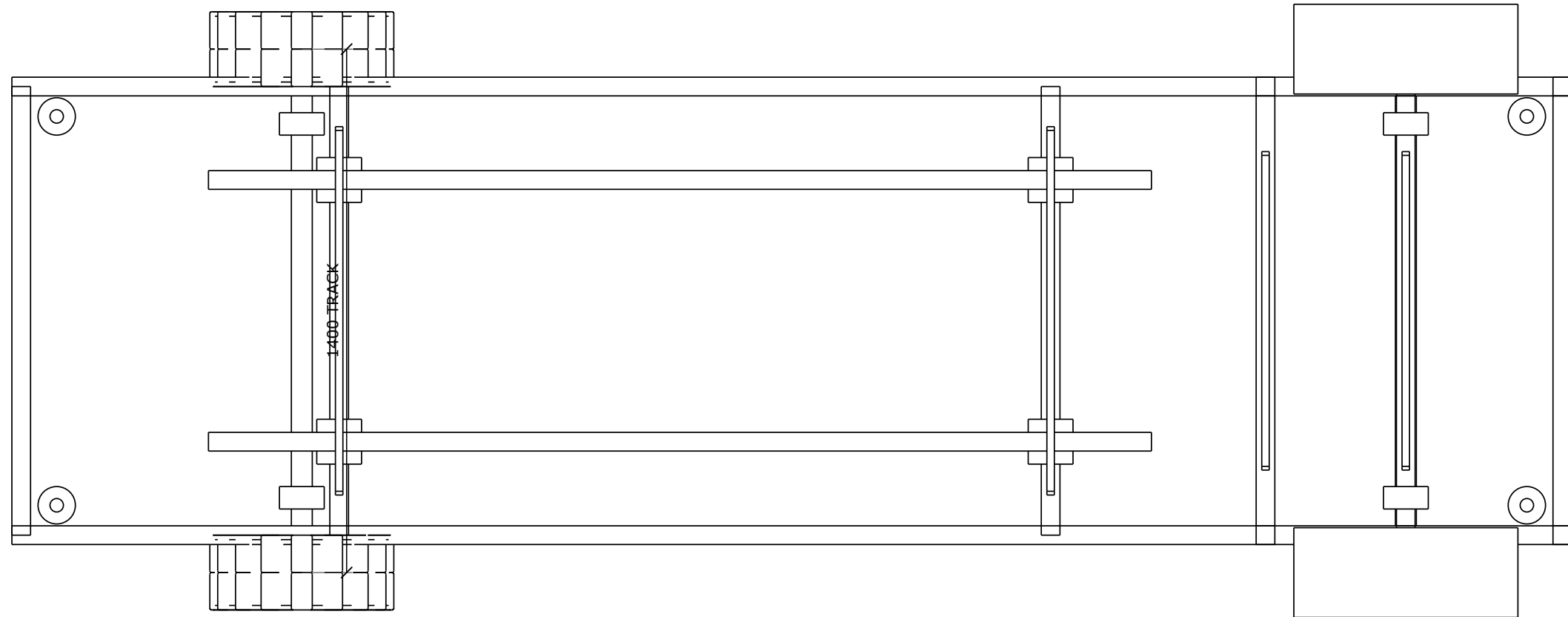
Shaft bearings, blade clearance,
thermal expansion and draft
response: VALIDATE.

Do not close on a
live fire.

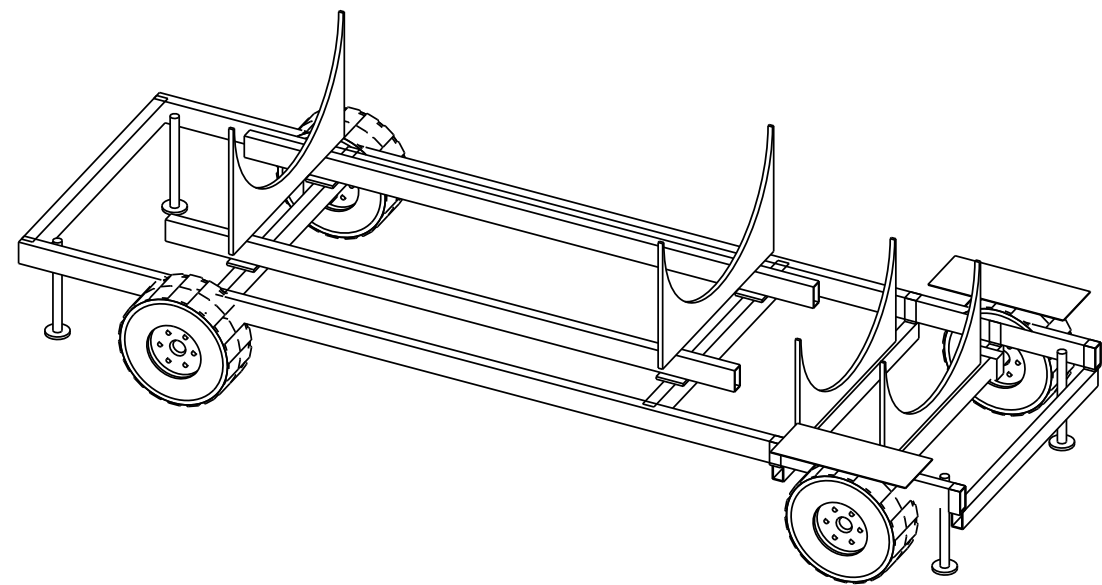


COLLECTOR SECTION / FRONT HALF REMOVED (1:5)

Shallow rounded-end collector with black finish and softened exterior details.
Flat roof/floor, rounded outer end, 203.2 bore and closed floor cleanout. No bowl or domed hood.



PLAN / FOUR WHEELS (1:15)



STAND ISOMETRIC (1:30)

COMPONENT AND QUALIFICATION SCHEDULE

WO500-PS001 / REV V

ASSEMBLY	PARTS	PART REFERENCES	DESCRIPTION / QUALIFICATION
Vessels	3	P001, P040, P044	Concept grouping; detailed material data is retained internally.
Exhaust	6	P002, P003, P004, P005, P006, P007	Concept grouping; detailed material data is retained internally.
CookDoors	10	P008, P009, P010, P011, P012, P017, P018, P019, P020, P021	2 cook-door leaves with wood grips and black return mounts.
CookDoorHardware	8	P013, P014, P015, P016, P022, P023, P024, P025	Captured hinge, torsion-assist and positive-stop envelopes.
FireboxDoor	14	P026, P027, P049, P050, P051, P052, P053, P054, P055, P056, P057 P059, P062, P069	1 lid, rotary vent, kettle-style black paddle and door pull.
Thermometers	12	P028, P029, P030, P031, P032, P033, P034, P035, P036, P037, P038 P039	6 gauges + 6 dial faces; six measurement stations.
Branding	3	P041, P042, P043	Concept grouping; detailed material data is retained internally.
Grates	2	P045, P046	2 food-grate assemblies; two removable panels per elevation.
FireboxInternals	2	P047, P048	Concept grouping; detailed material data is retained internally.
DoorHardware	9	P058, P060, P061, P063, P064, P065, P066, P067, P068	Concept grouping; detailed material data is retained internally.
ExhaustDamper	9	P070, P071, P072, P073, P074, P075, P076, P077, P078	Upper butterfly, shaft, close side linkage, guides and lower control.
Stand	22	P079, P080, P081, P082, P083, P084, P085, P086, P096, P097, P098 P100, P101, P102, P104, P105, P107, P108, P121, P122, P123, P124	Concept grouping; detailed material data is retained internally.
Cradle	10	P087, P088, P089, P090, P091, P092, P093, P094, P095, P099	Concept grouping; detailed material data is retained internally.
Wheels	18	P103, P106, P109, P110, P111, P112, P113, P114, P115, P116, P117 P118, P119, P120, P140, P141, P142, P143	4 tyres, 4 hubs, 2 axles, fasteners and shields.
Workstation	15	P125, P126, P127, P128, P129, P130, P131, P132, P133, P134, P135 P136, P137, P138, P139	Concept grouping; detailed material data is retained internally.

1. Geometric masses are estimates. Purchased hardware envelopes are not catalogue ratings.
2. Materials, formed-head thinning, weld sizes, general tolerances and fasteners require engineering.
3. Wheel load/temperature ratings, hinge loads, hot-grip temperatures and combustion are unverified.
4. No engineer's approval or fabrication release is implied by this drawing format.
5. Visit bkyhd.com/weber-offset for the concept overview.

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DRAWING: PS001

SHEET: 9 / 9

REVISION: V