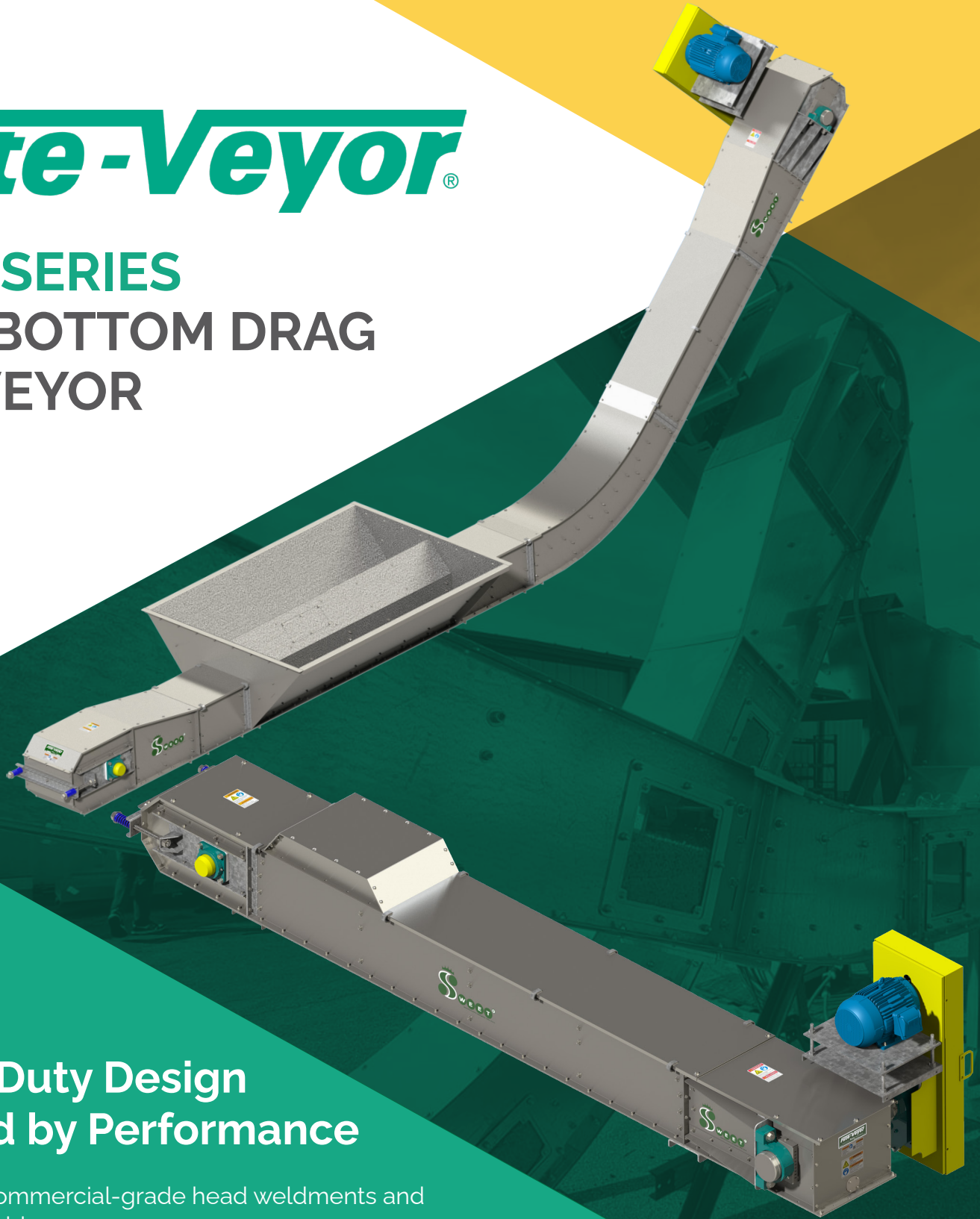


Flite-Veyor®

QL 17 SERIES FLAT BOTTOM DRAG CONVEYOR



Heavy-Duty Design Inspired by Performance

Heavy-duty commercial-grade head weldments and take up assembly

Available with 15° to 60° curve for inclined application

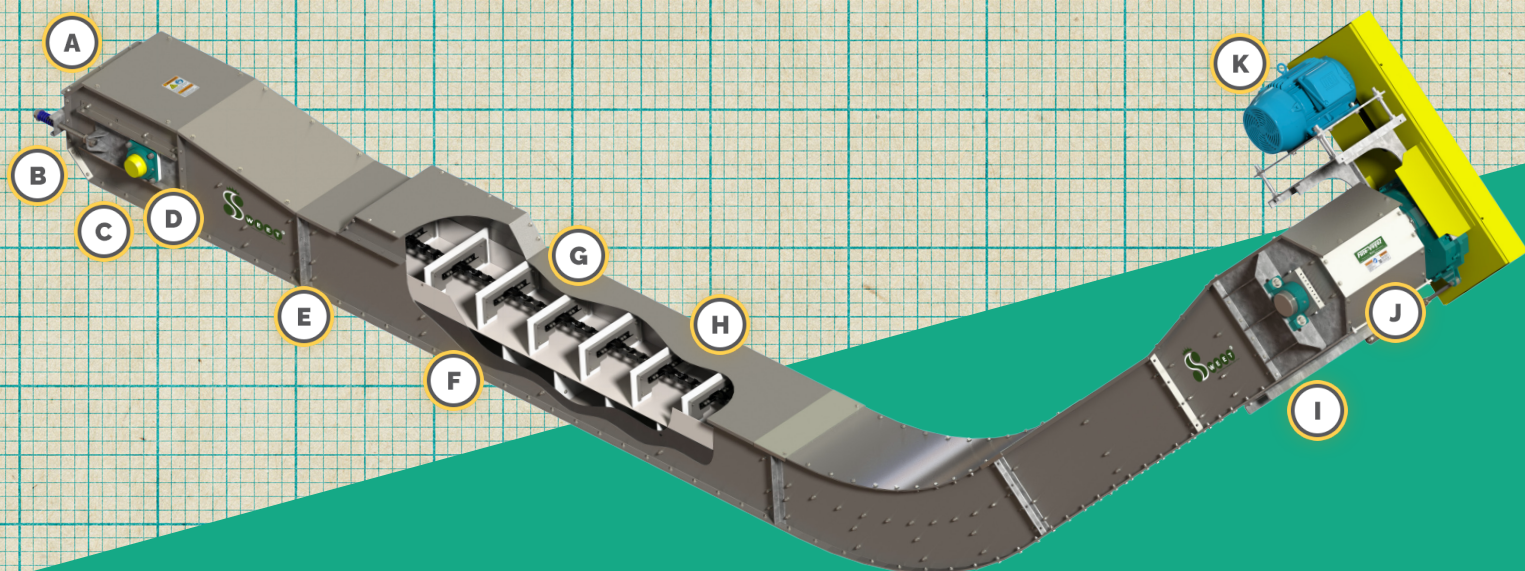
No metal to metal contact from chain to trough

Built-to-Last. Constructed with G140 USA Prime Steel


MANUFACTURING COMPANY



QL 17 SERIES INCLINE FLAT BOTTOM DRAG CONVEYOR (IFV)



TAIL

- A** 10-gauge galvanized steel contoured to minimize material build-up.

Heavy-duty take-up plate weldments.

- B** ACME take-up screws.
- C** Shaft and bearing seal.
- D** Fully guarded shaft.

HEAD

3/16" galvanized steel.

Removable head components allow for easy access to the sprocket and shaft.

Heavy-duty bearing mounting angles.

- I** Shaft & bearing seal.
- J** Fully guarded shaft.
- K** V-belt or gearmotor drives available.

TROUGH

10-gauge galvanized sides and bottom standard.

Preassembled trough sections to reduce installation time.

No metal-to-metal contact of chain to trough.

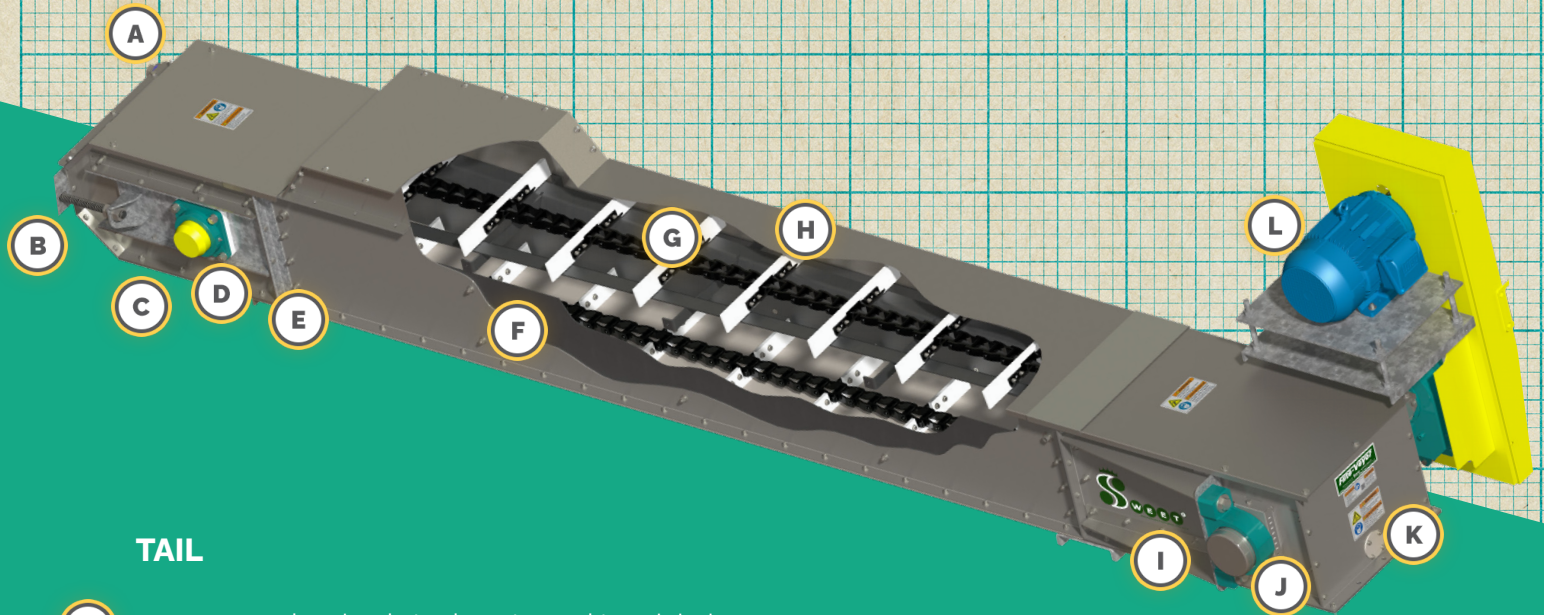
- E** Jig welded 3/16" connecting flanges for alignment.
- F** 10-gauge, 3/16" and 1/4" AR 200 liner and 3/16" and 1/4" AR 400 liner available.
- G** UHMW replaceable flights.
- H** Pan return.

Removable bottom for easy replacement of liners and servicing.



Flite-Veyor®

QL 17 SERIES HORIZONTAL FLAT BOTTOM DRAG CONVEYOR (HFV)



TAIL

- A** 10-gauge galvanized steel contoured to minimize material build-up.

Heavy-duty take-up plate weldments.

- B** ACME take-up screws.
- C** Shaft and bearing seal.
- D** Fully guarded shaft.

HEAD

3/16" galvanized steel.

Removable head components allow for easy access to the sprocket and shaft.

Heavy-duty bearing mounting angles.

- I** Shaft & bearing seal.
- J** Fully guarded shaft.
- K** Built-in sensor port.
- L** V-belt or gearmotor drives available.

TROUGH

10-gauge galvanized sides and bottom standard.

Preassembled trough sections to reduce installation time.

No metal-to-metal contact of chain to trough.

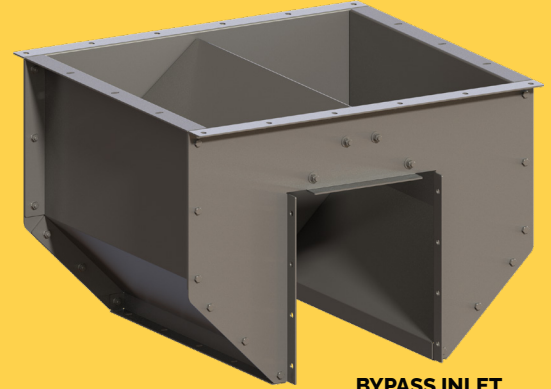
- E** Jig welded 3/16" connecting flanges for alignment.
- F** 10-gauge, 3/16" and 1/4" AR 200 liner and 3/16" and 1/4" AR 400 liner available.
- G** UHMW replaceable flights.
- H** Angle rail returns.
- H** Removable bottom for easy replacement of liners and servicing.

EXTRA STANDARD INLET

Standard inlets are recommended for use in applications where material flow is controlled before entering the conveyor.

BYPASS INLET

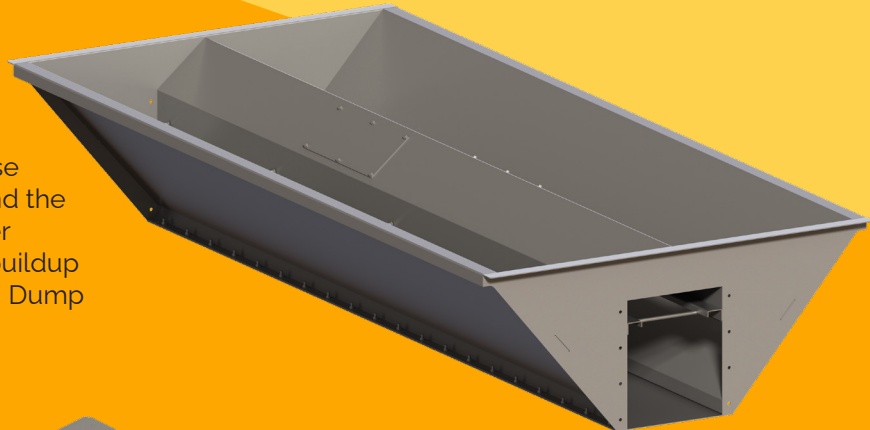
Bypass inlets funnel material directly into the lower portion of the trough. This feeding method provides automatic flow control into the conveyor, preventing pressure buildup on the chain. Bypass inlets are recommended when flow control is not provided before entering the conveyor.



BYPASS INLET

DUMP HOPPER

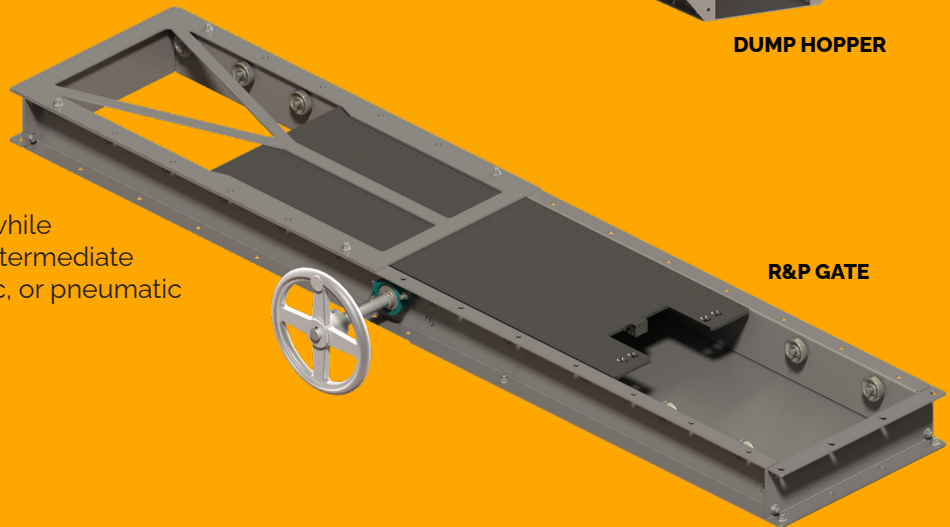
Dump hoppers replace a section of the trough for use in pit applications. The hopper diverts material around the return chain and provides an even flow into the lower portion of the Flite-Veyor®. This prevents pressure buildup on the chain and reduces horsepower requirements. Dump hoppers are available in standard 10'.



DUMP HOPPER

INTERMEDIATE DISCHARGE

Intermediate discharges have a steel cutout plate to support the chain over the opening while allowing 100% of the material to discharge. Intermediate discharges are available with manual, electric, or pneumatic controls.



R&P GATE

SENSOR KITS

Sensor Kits are available to automate monitoring of conveyor operations.



**IFV PLUGGED
DISCHARGE SWITCH**



CHAIN SLACK SWITCH

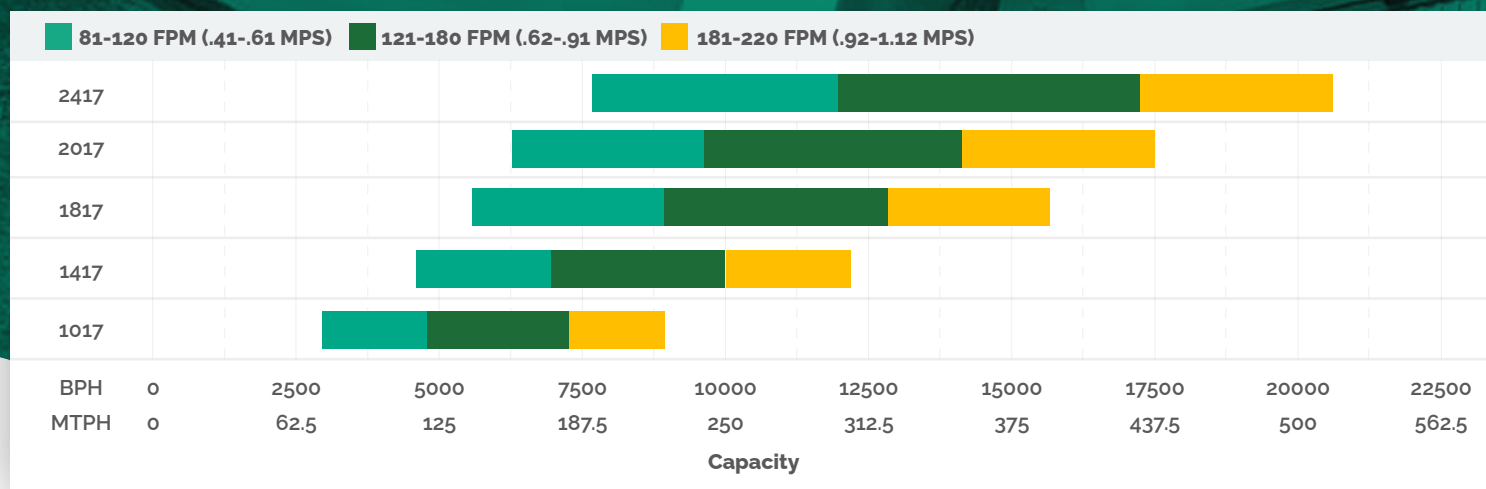


**HFV PLUGGED
DISCHARGE SWITCH**

HFV Capacity

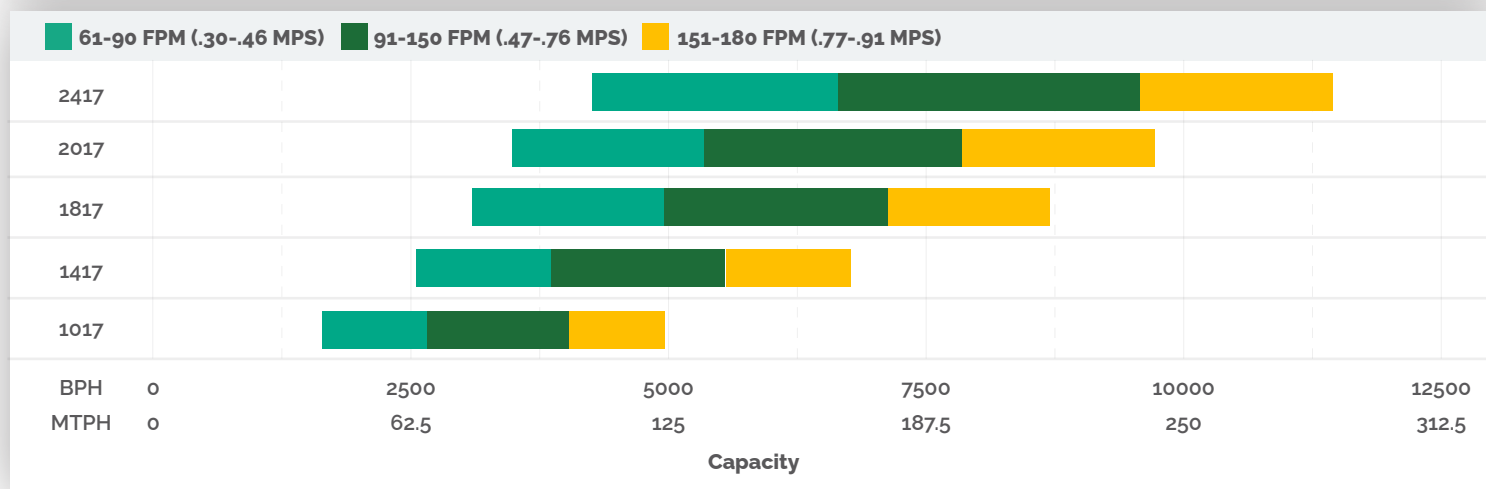


BPH					MTPH					
FPM	80	120	180	220		MPS	.41	.61	.91	1.12
2417	7654	11481	17221	21048		2417	194	292	437	535
2017	6368	9552	14327	17511		2017	162	243	364	445
1817	5725	8587	12880	15743		1817	145	218	327	400
1417	4438	6658	9986	12206		1417	113	169	254	310
1017	3152	4728	7083	8669		1017	80	120	180	220

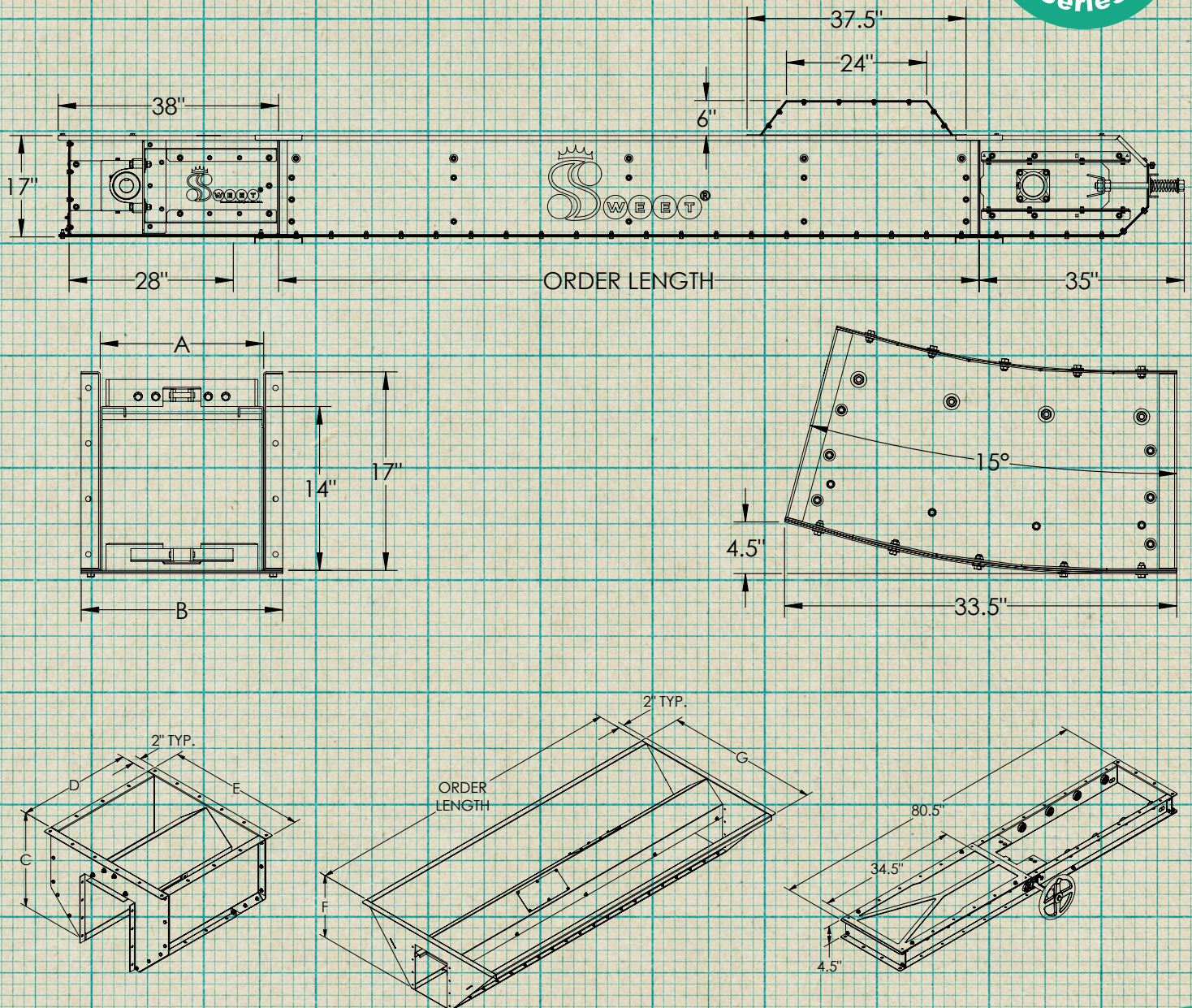


IFV Capacity

BPH					MTPH					
FPM	60	90	150	180		MPS	.30	.46	.76	.91
2417	3811	5717	9528	11433		2417	97	145	242	290
2017	3168	4752	7920	9504		2017	80	121	201	241
1817	2847	4270	7116	8540		1817	72	108	181	217
1417	2203	3305	5509	6610		1417	56	84	140	168
1017	1560	2341	3901	4681		1017	40	59	99	119



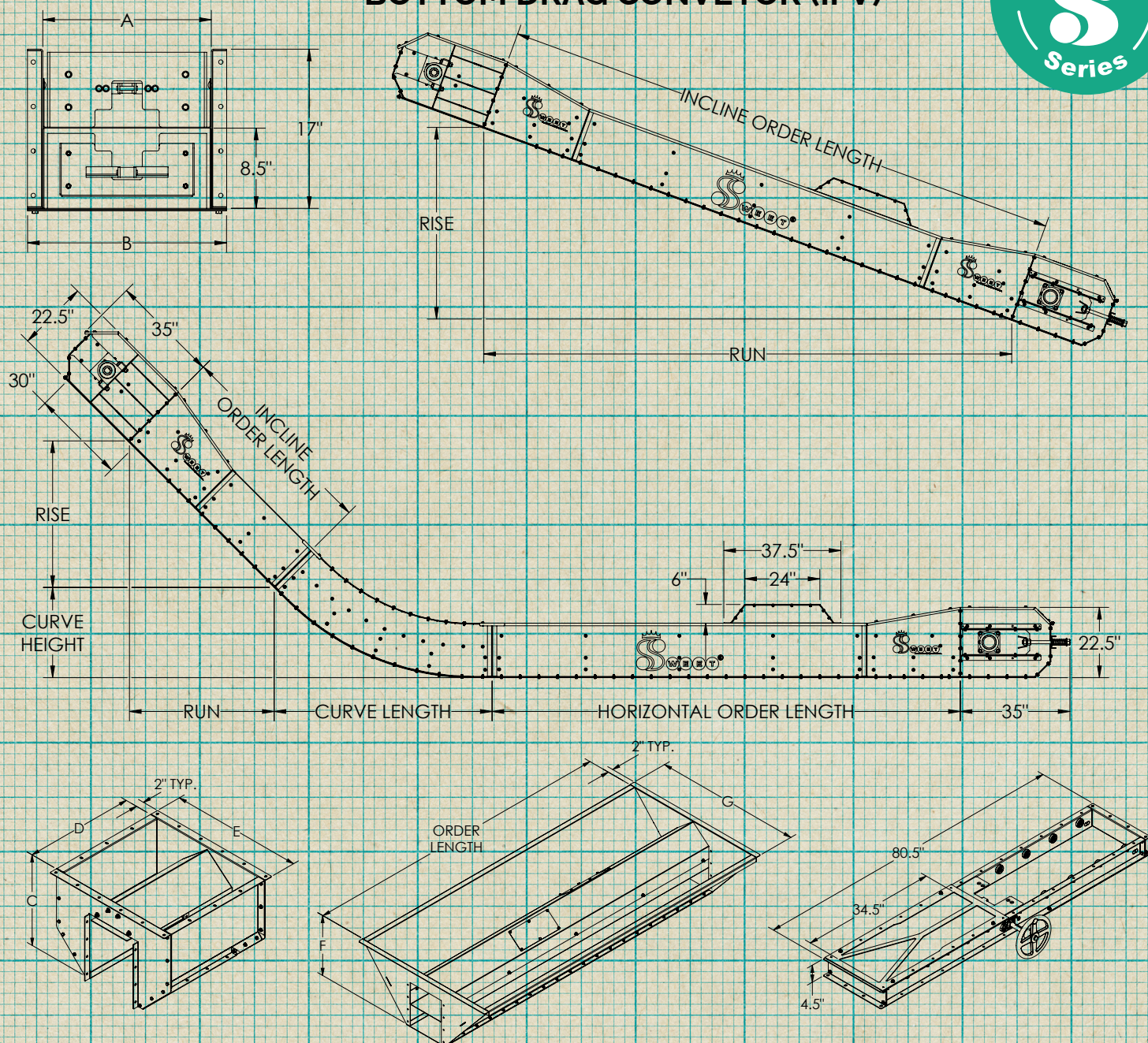
Based on 48 PCF material at 10° surcharge angle



HFV Dimensions

	A	B	C	D	E	F	G
1017	10	13.5	23.5	28	30	23.5	52.5
1417	14	17.5	23.5	28	34	23.5	56.5
1817	18	21.5	29.5	36	38	29.5	71.5
2017	20	23.5	29.5	36	40	29.5	73.5
2417	24	27.5	29.5	36	44	29.5	77.5

* To the nearest 1/2". Subject to change without notice. Measurements are given in inches.



IFV Dimensions

	A	B	C	D	E	F	G
1017	10	13.5	23.5	28	30	23.5	52.5
1417	14	17.5	23.5	28	34	23.5	56.5
1817	18	21.5	29.5	36	38	29.5	71.5
2017	20	23.5	29.5	36	40	29.5	73.5
2417	24	27.5	29.5	36	44	29.5	77.5

	15°	20°	25°	30°	35°	40°	45°	60°
Curve Height	4.5	7	10.5	14.5	18.5	23.5	29	47
Curve Length	33.5	40.5	47	53	59	64.5	69.5	82
Rise Per 10'	31	41	50.5	60	69	77	85	104
Run Per 10'	116	113	109	104	98.5	92	85	60

* To the nearest 1/2". Subject to change without notice. Measurements are given in inches.



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MADE IN AMERICA

ONE OF THE COUNTLESS REASONS WHY IT'S SWEET®.

An extraordinary service experience.

Innovative product solutions made with all galvanized construction with USA prime steel and premium components.

