

# Digitize any Concrete

SpaceCrete  
TECHNOLOGIES



World of Concrete  
Innovation of the Year

Patent or Pending = ●



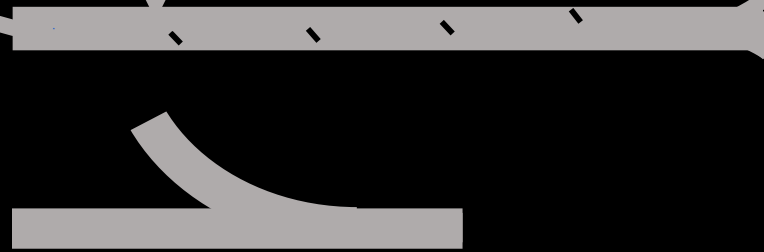
3D-Admix



← 0.05% to 0.5%



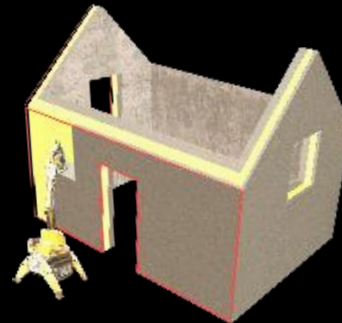
Inline Mixer



Mudulator



Digital  
Layering



Digitally  
Extrude



3D-Print



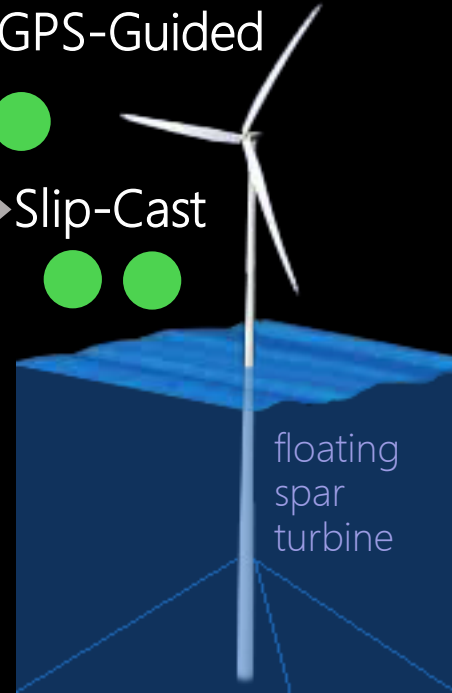
2D-Print



GPS-Guided



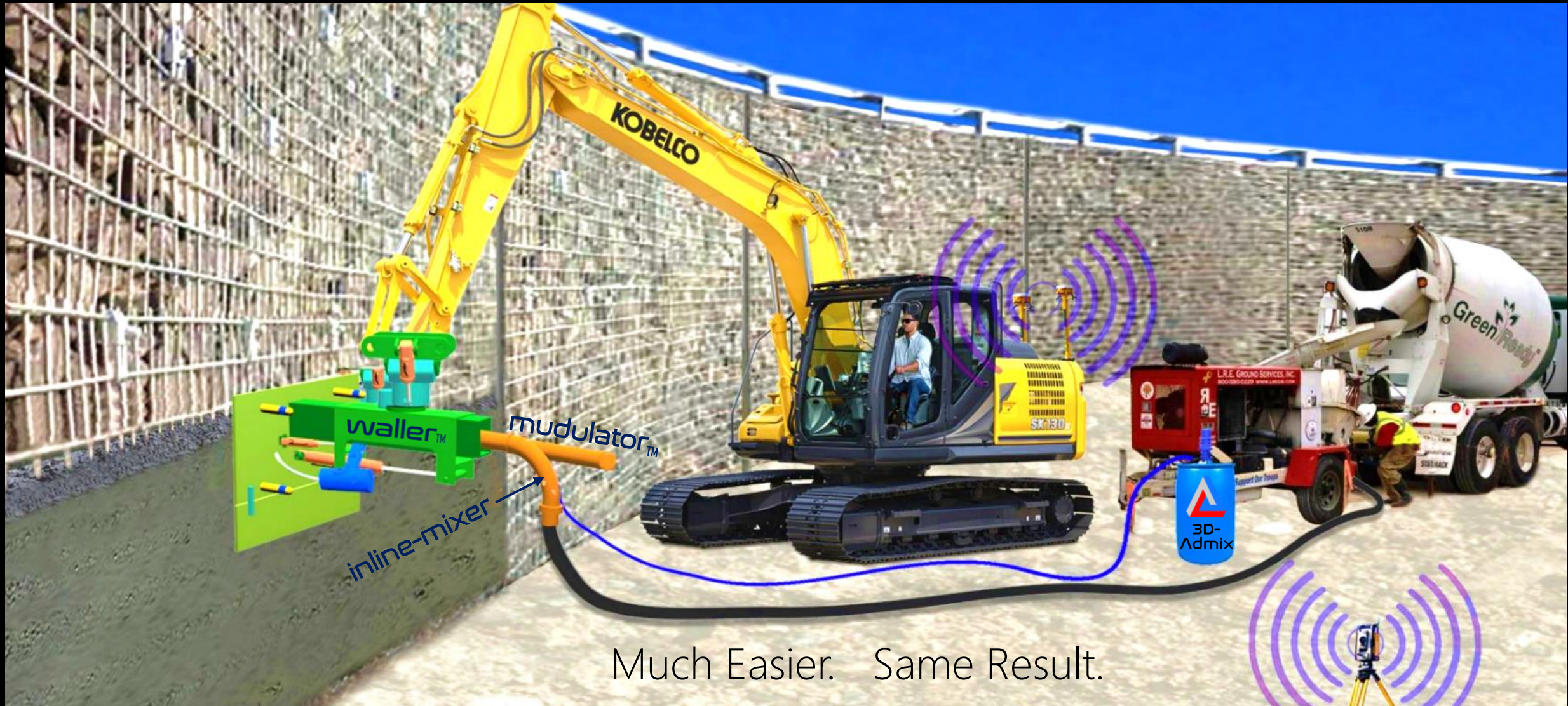
Slip-Cast



floating  
spar  
turbine



## Example: Typical Excavator with GPS











The boxes are for waste concrete.









MINNIC

nox-c

nox-c

nox-c

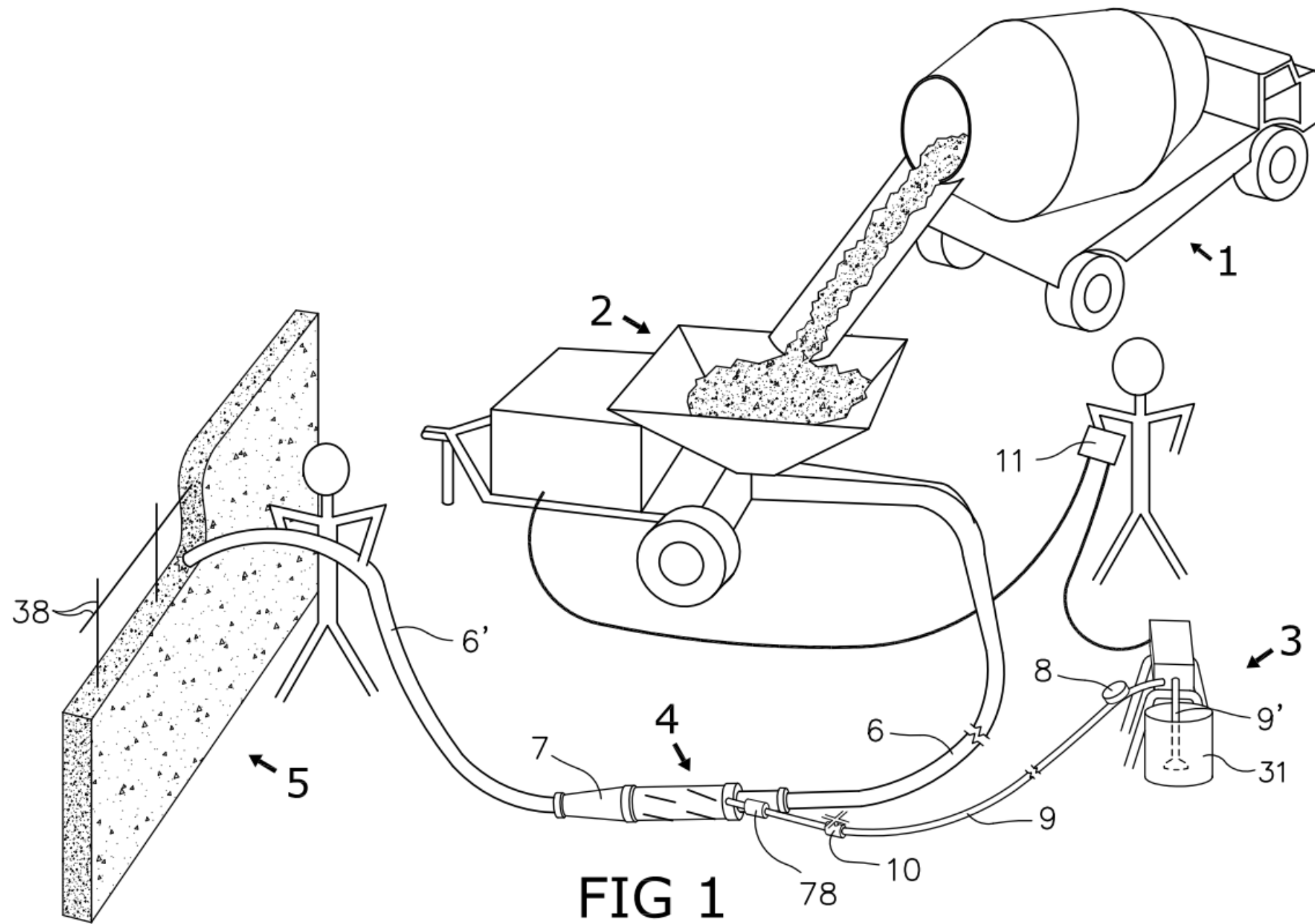




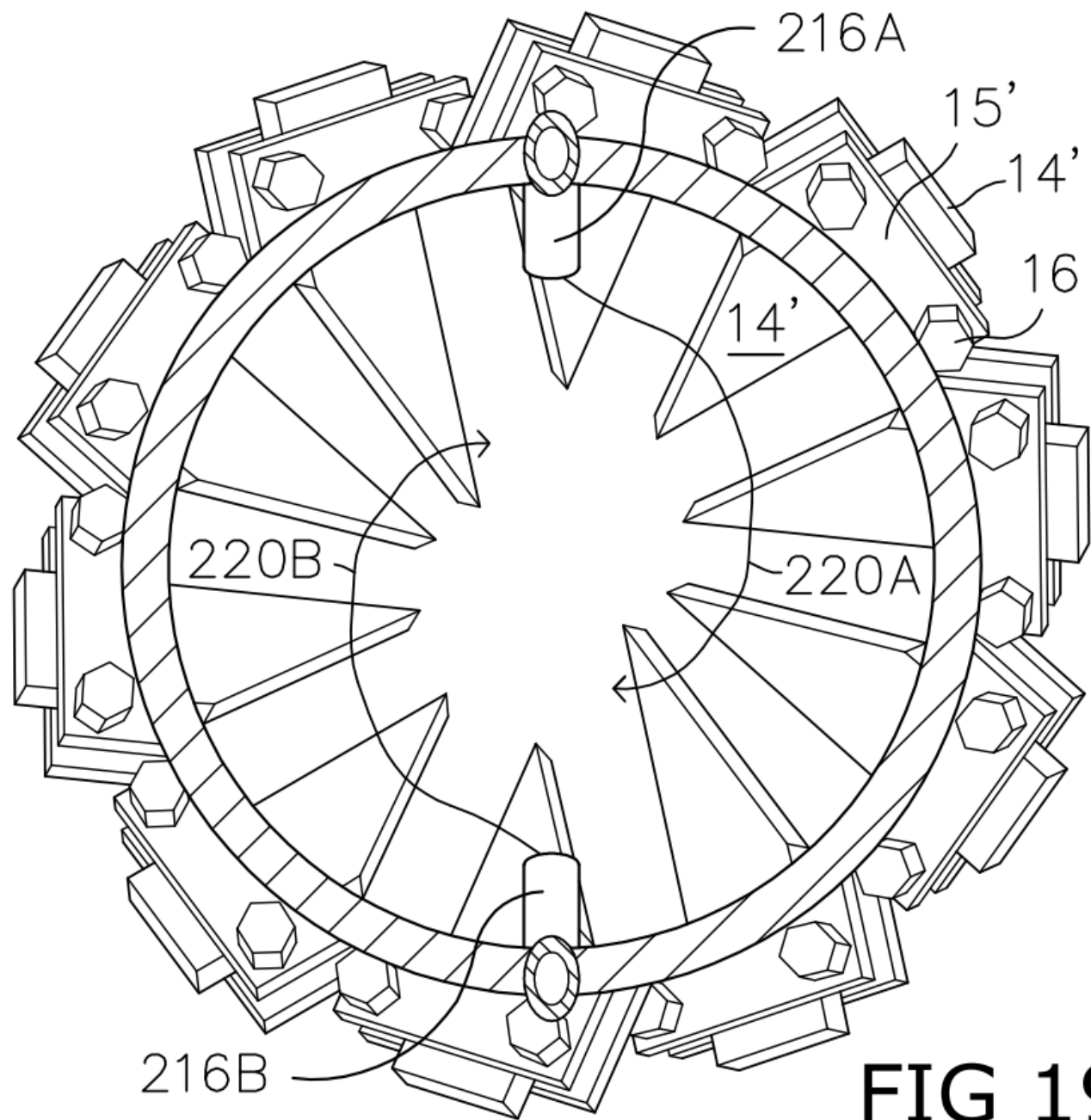
# Many Favorable Applications

	infrastructure	industrial	commercial	housing	other
process replaced ↓ shotcrete	retn walls canals tunnels	basements power plants	basements retn walls	retn walls one-coat stucco hardscape	digital: skateparks pools
	vent shafts	vaults	barriers	3D-print	faux stone
forming	wind turbine towers floating wind arrays	silos / chimneys towers / shafts	towers elev shafts	multistory elev shafts high rise	sound walls disaster support military deployment
\$120b ←	\$22b	\$24b	\$14b	\$40b	\$20b

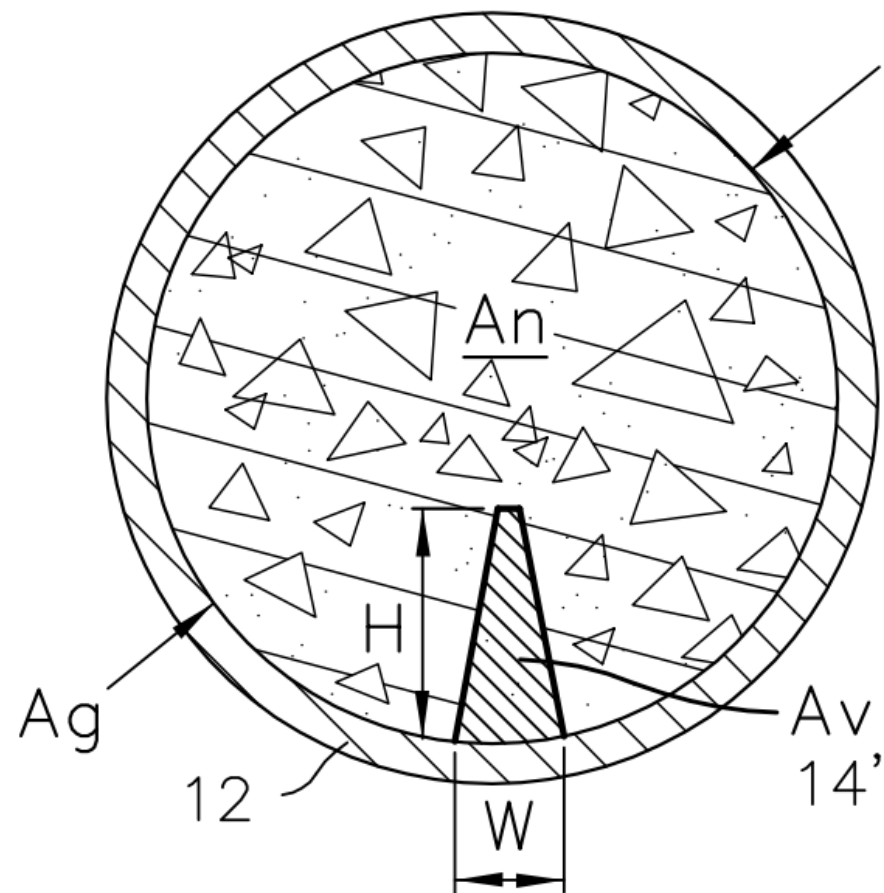






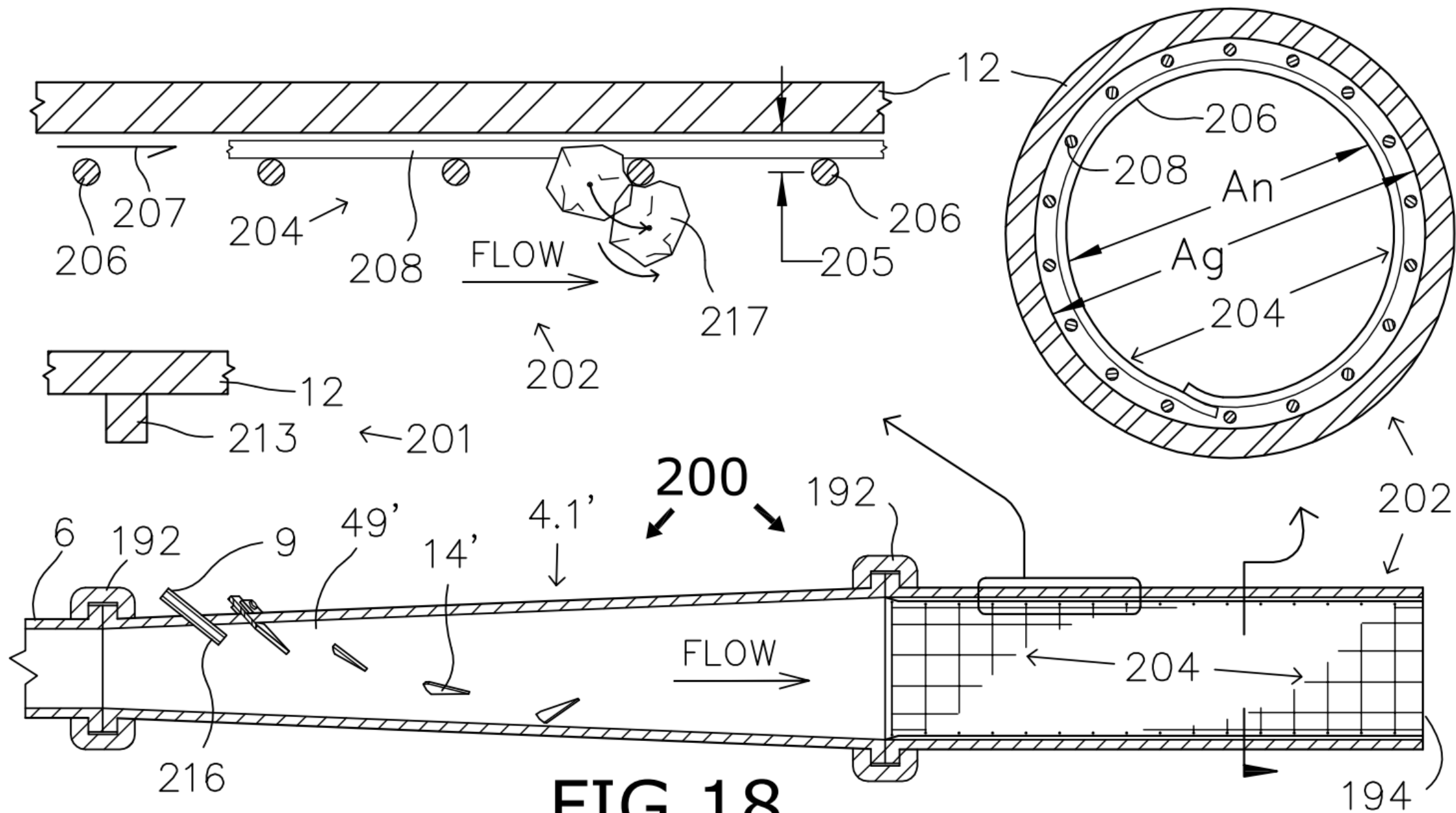


**FIG 19C**



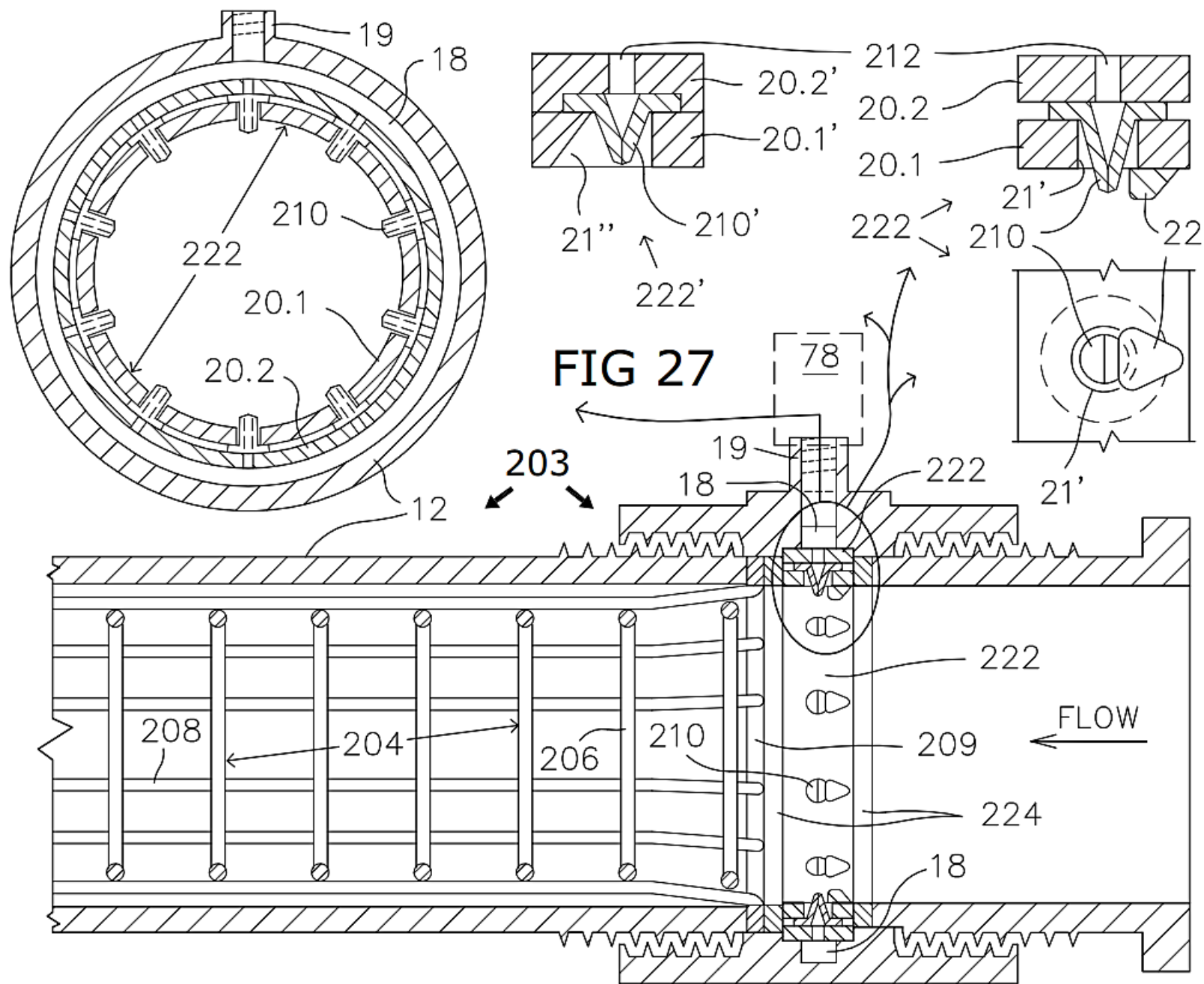
**FIG 19D**



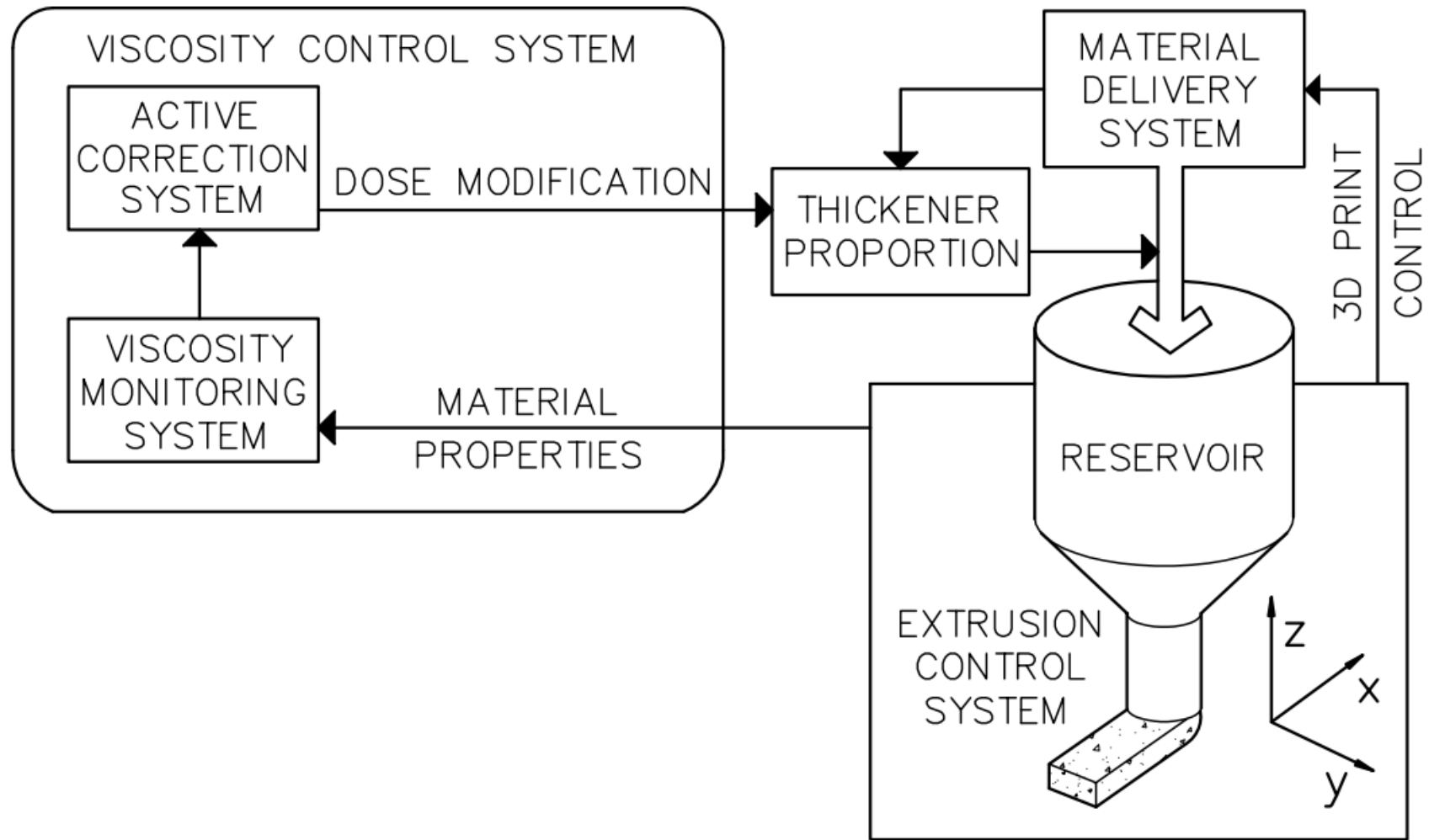


**FIG 18**



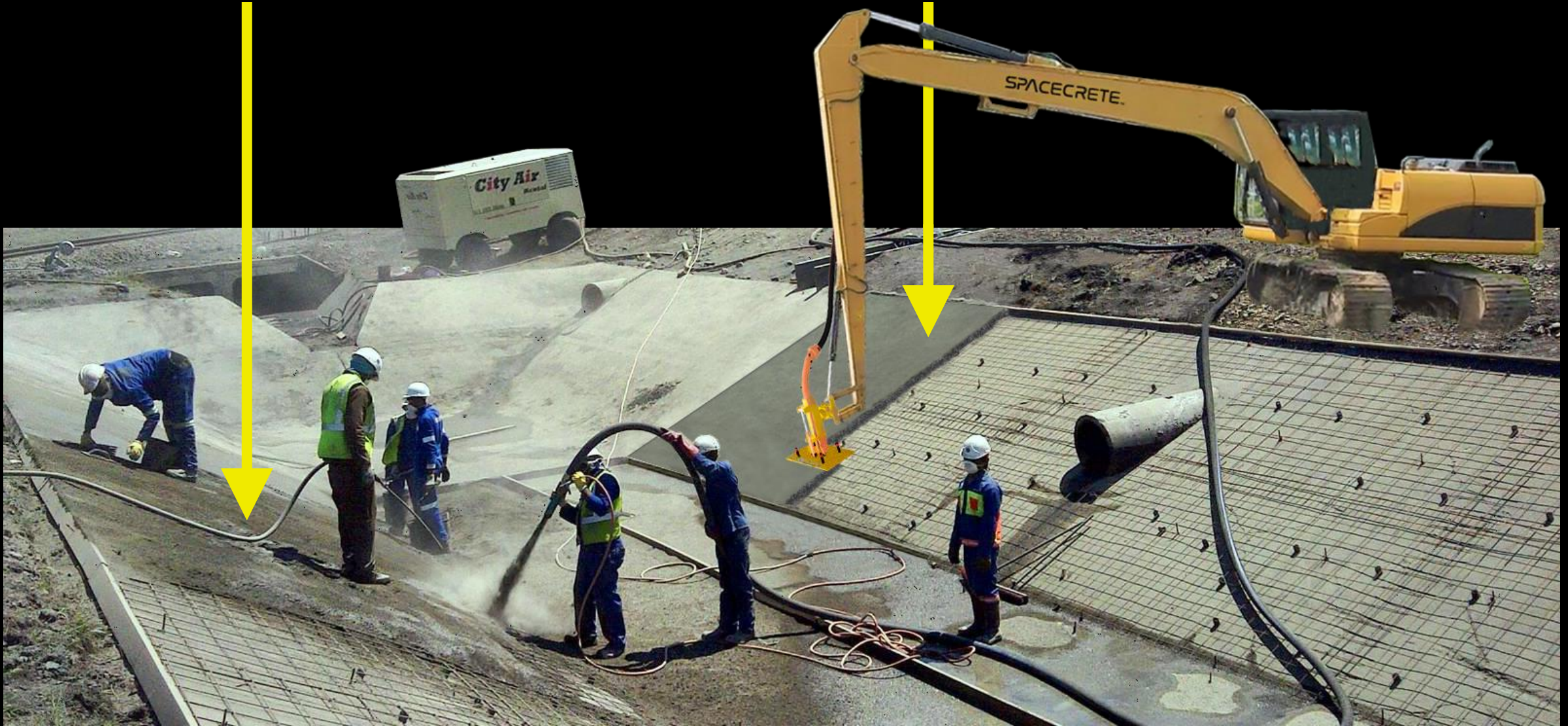




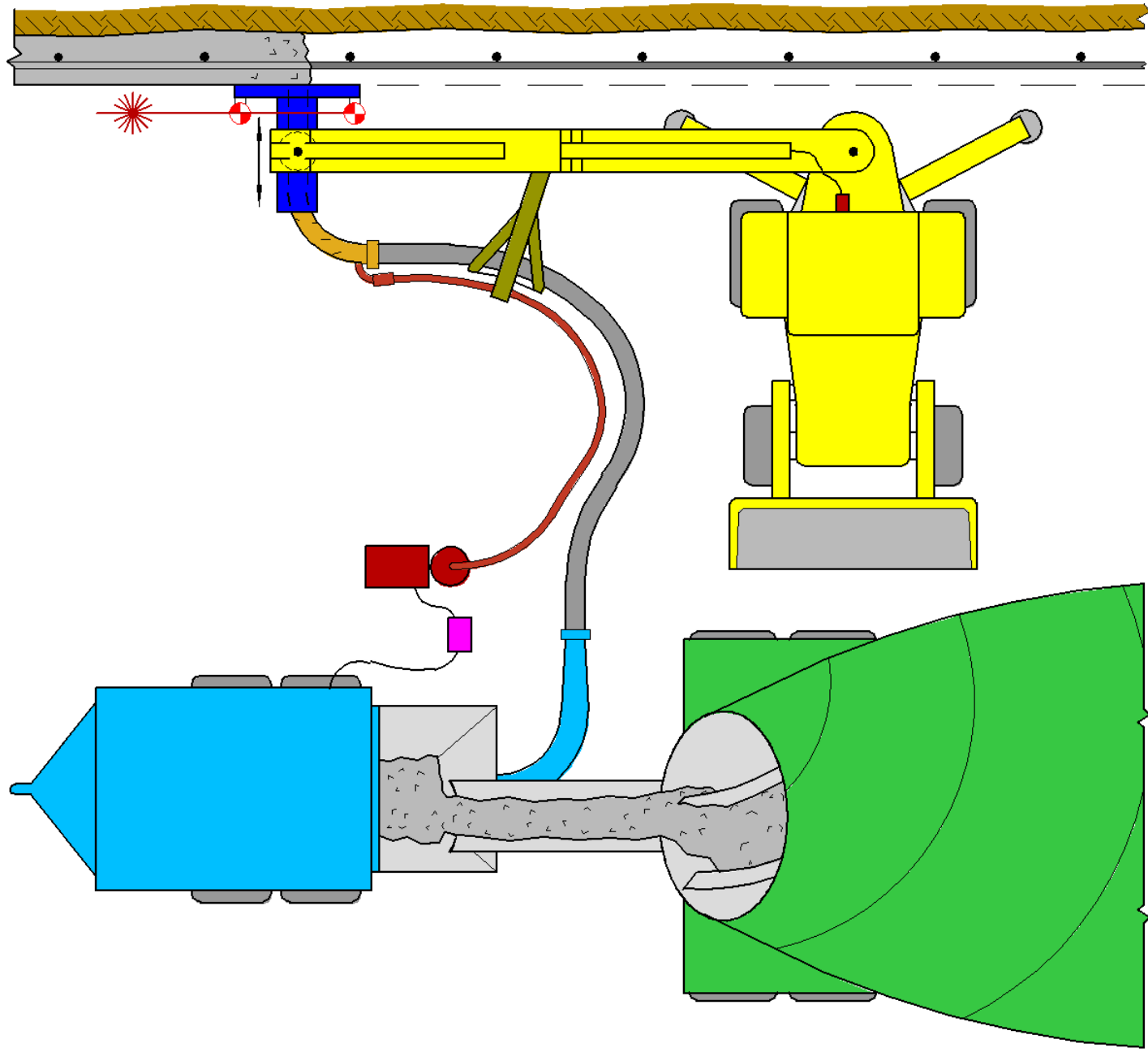


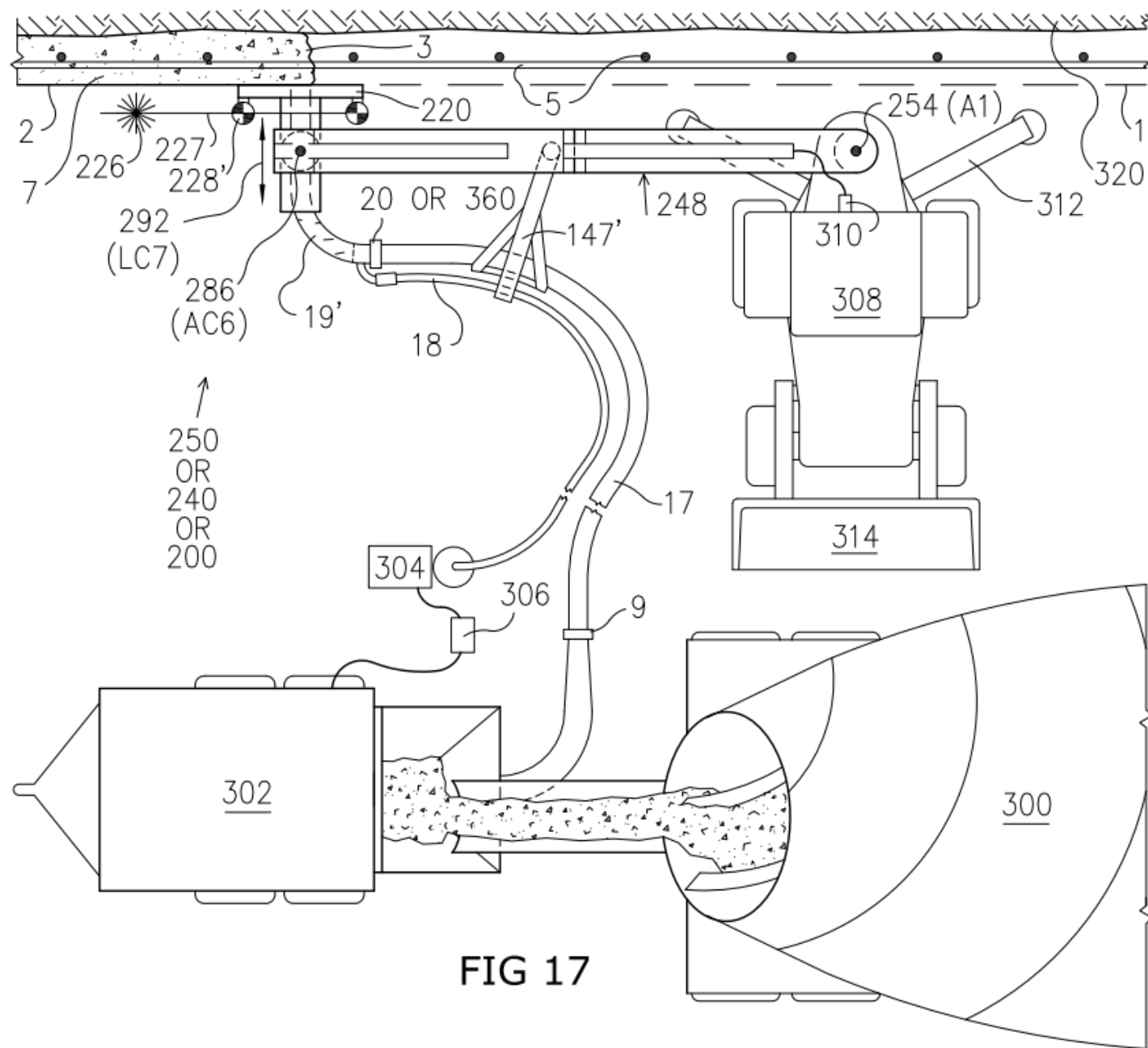
1907-2024

2025+

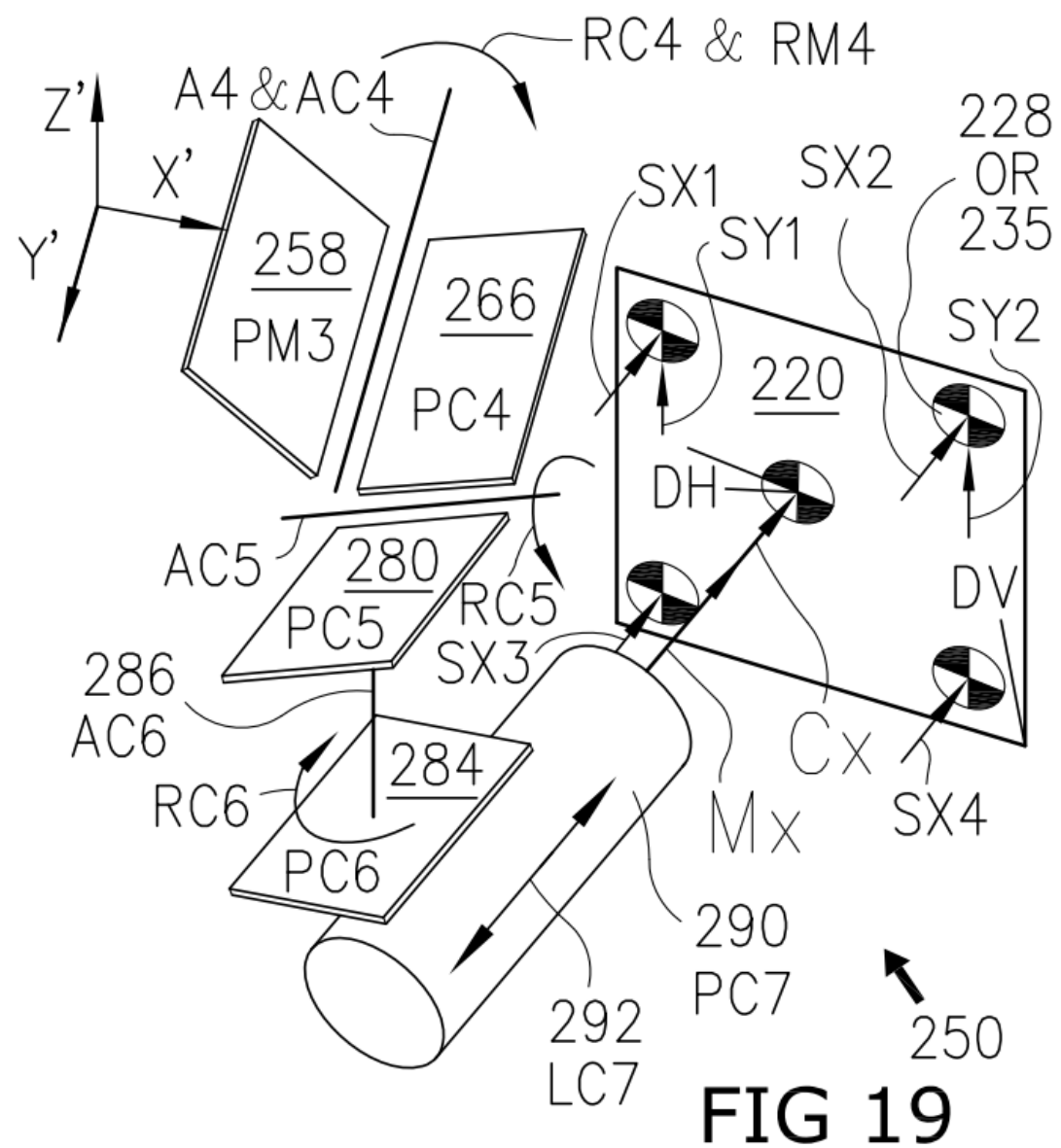
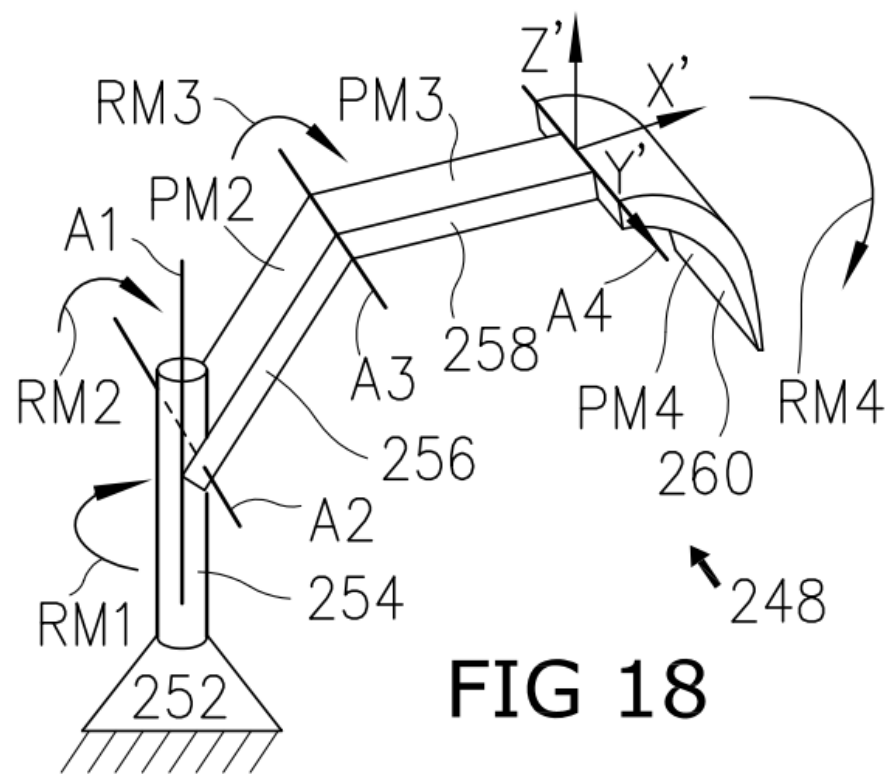












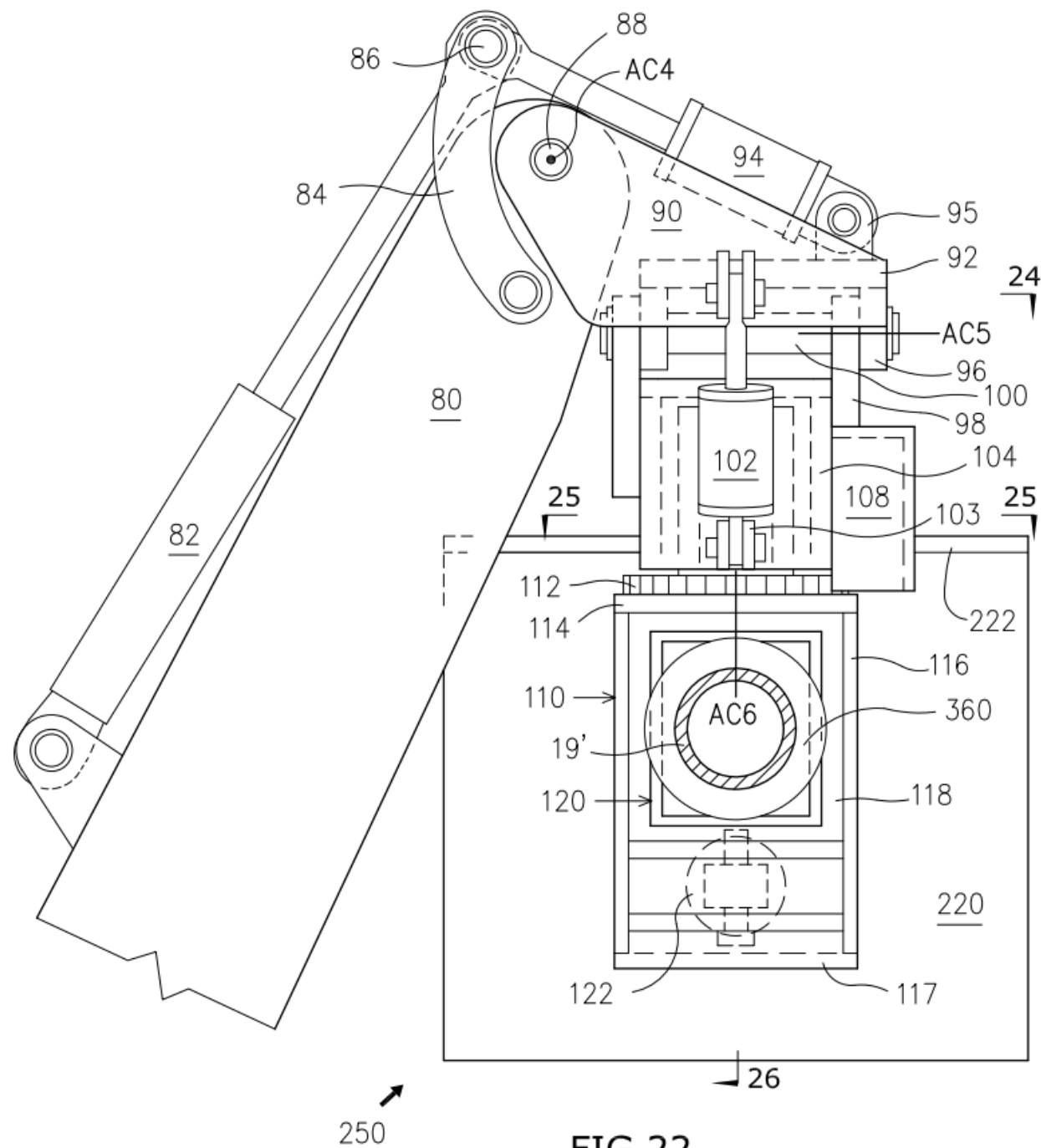
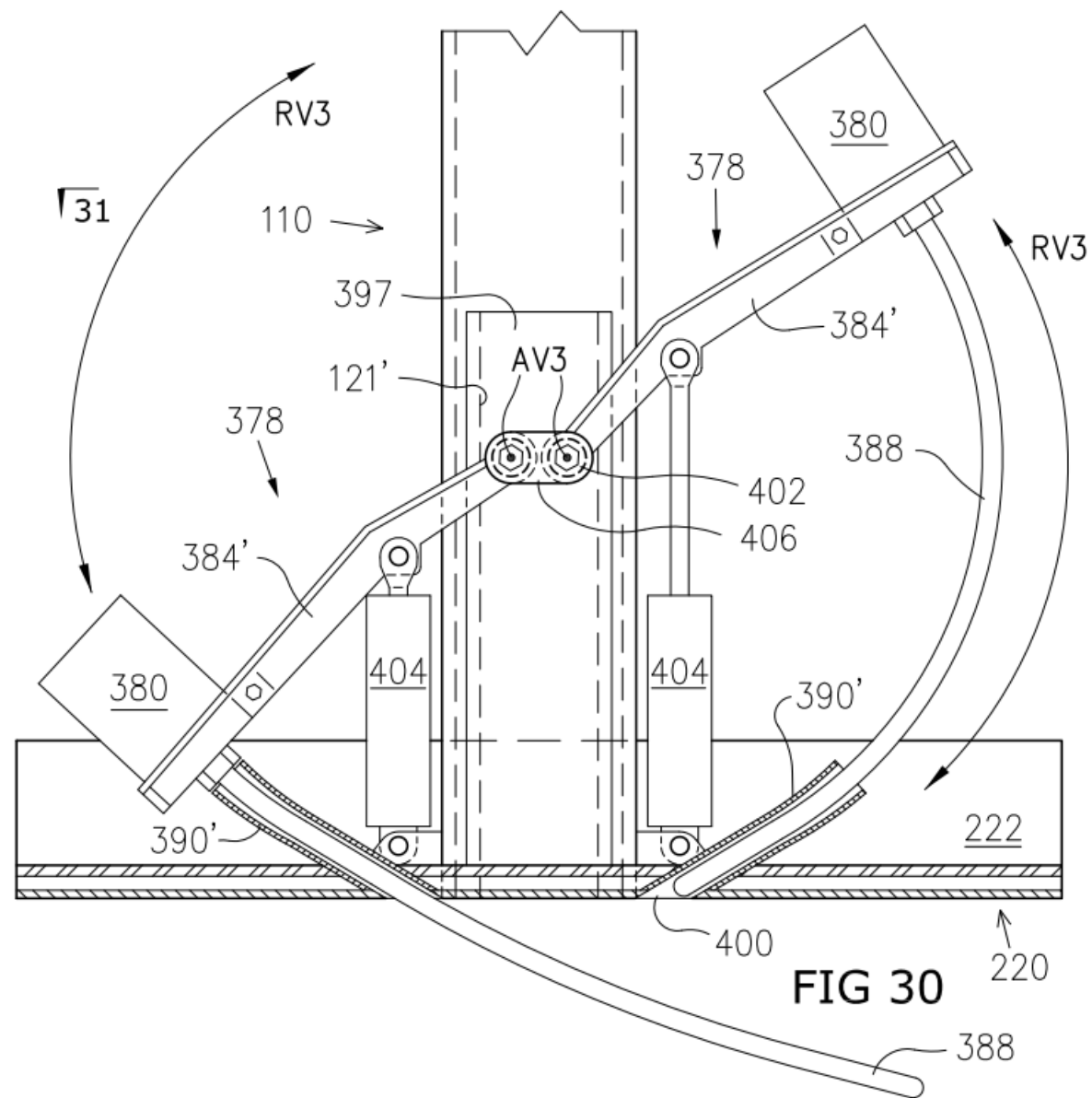
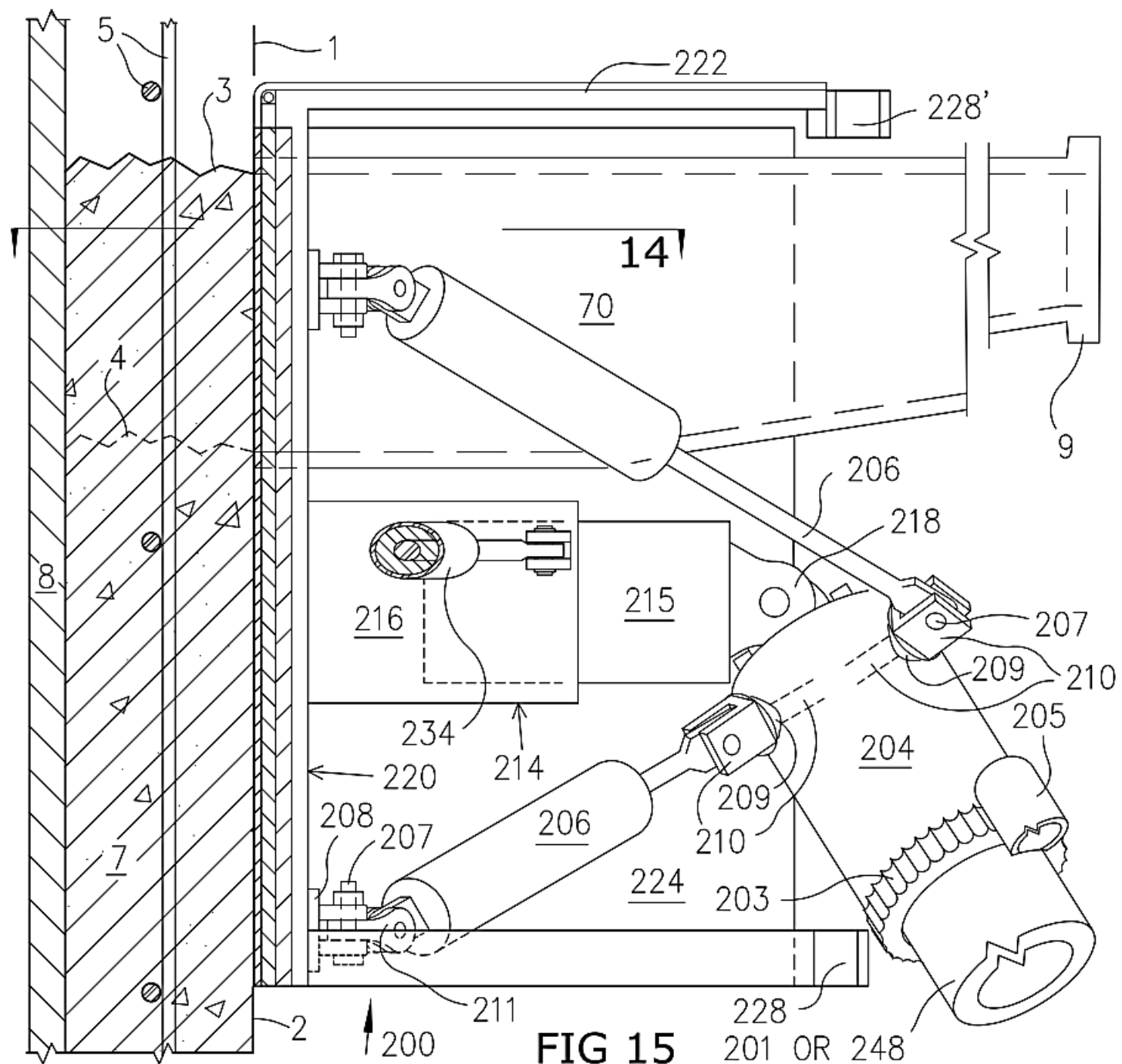


FIG 22









Connect Two Worlds

digital systems



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ANY concrete









# Pulsation

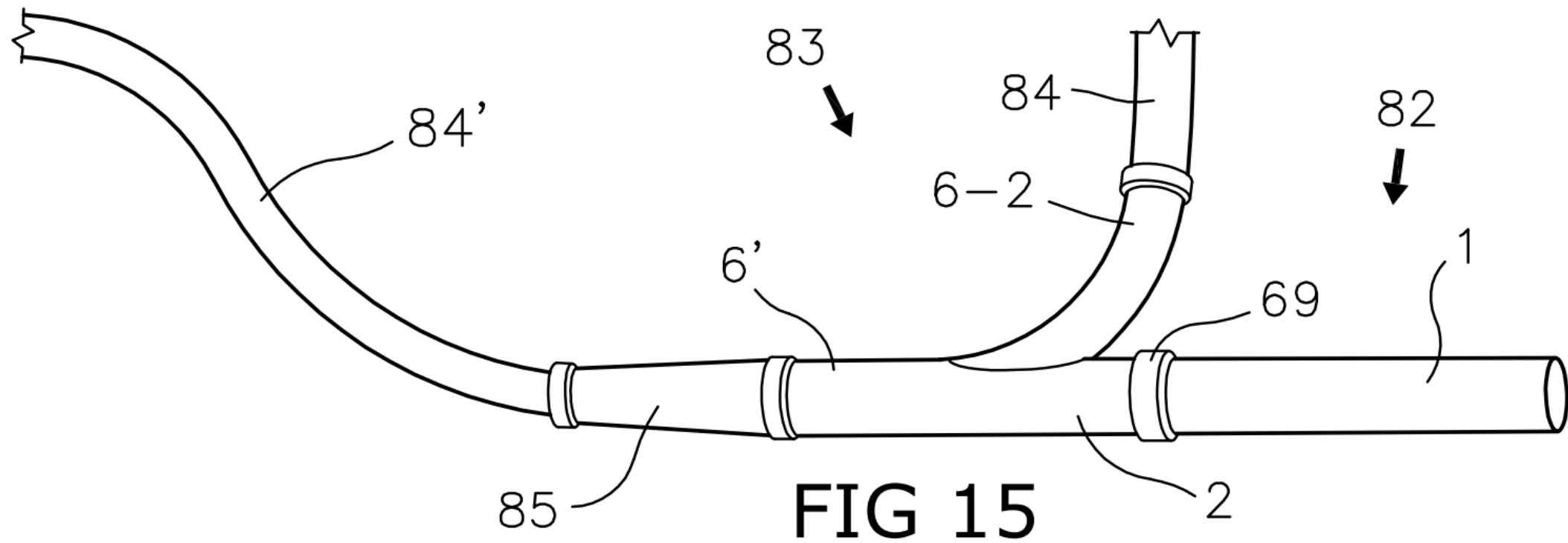
## Interruption in the concrete flow/stream

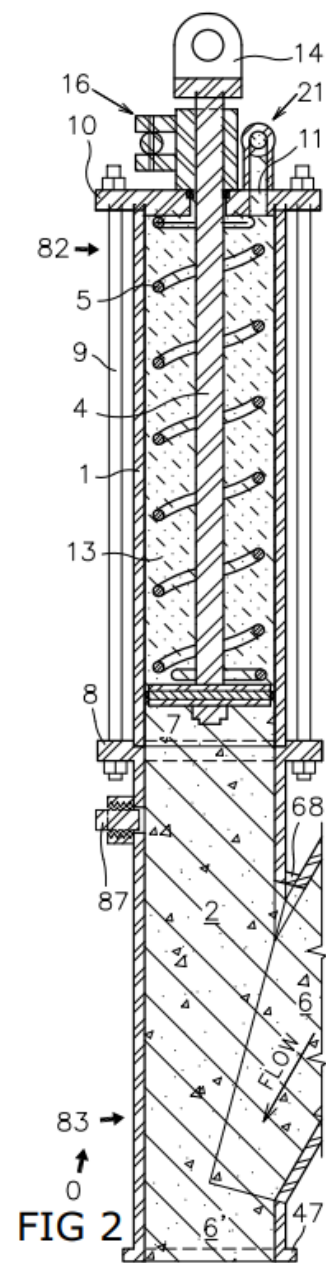
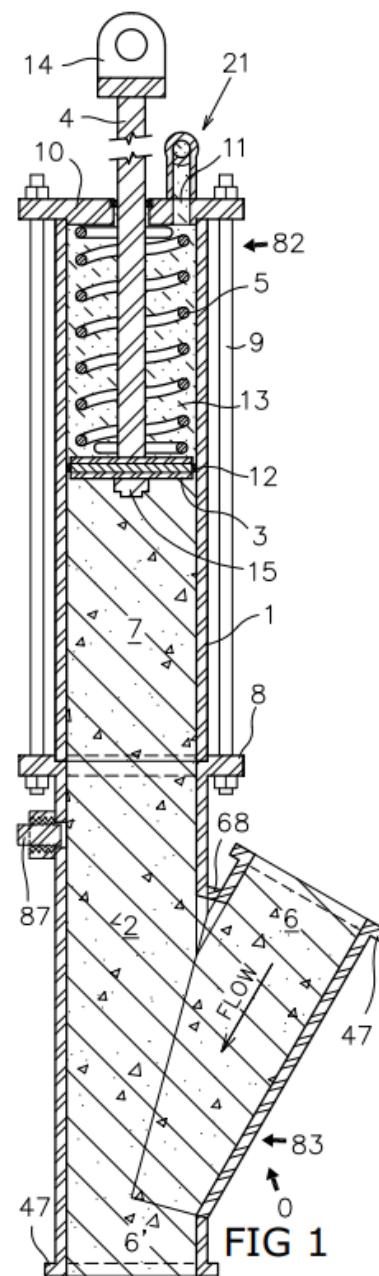
### Pulsation will result in

- Sagging and slip off/drop outs of concrete during application.
- Layering effect in the applied sprayed concrete.
- Reduced durability due to the negative effect of the Sprayed Concrete from over-dosage of accelerator.
- Reduced strength and safety, due to the entire thickness not acting as one uniform layer.



**Layering**







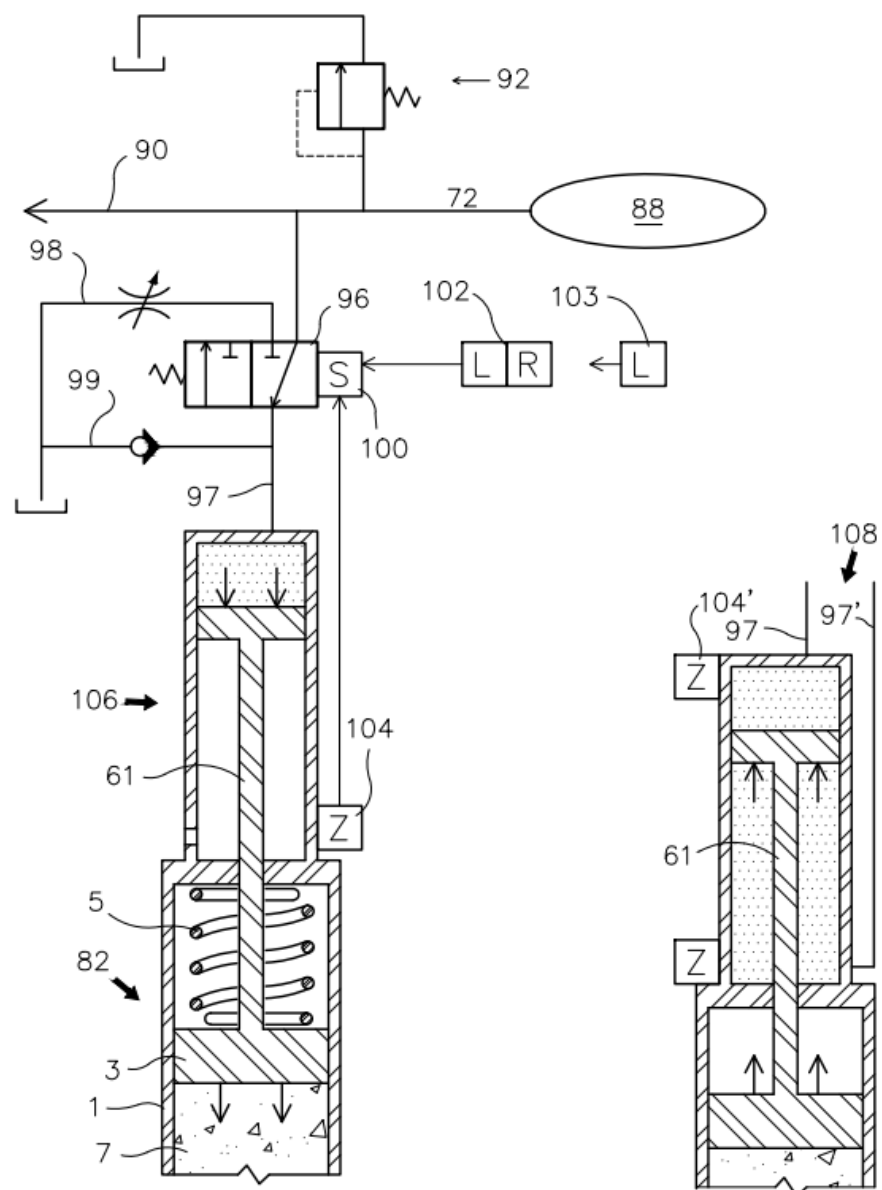


FIG 20A

FIG 20B

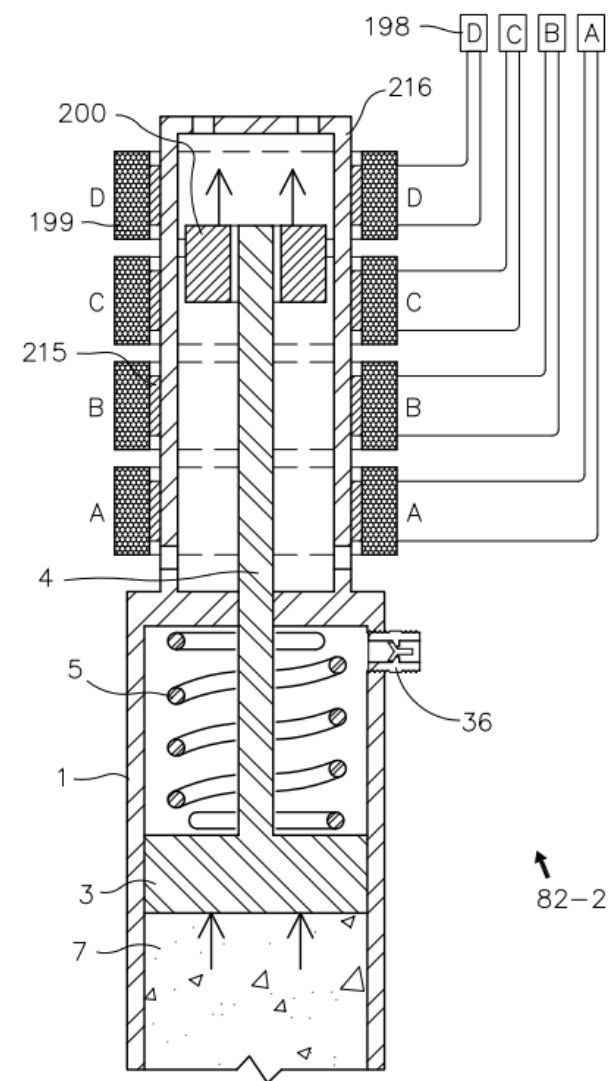
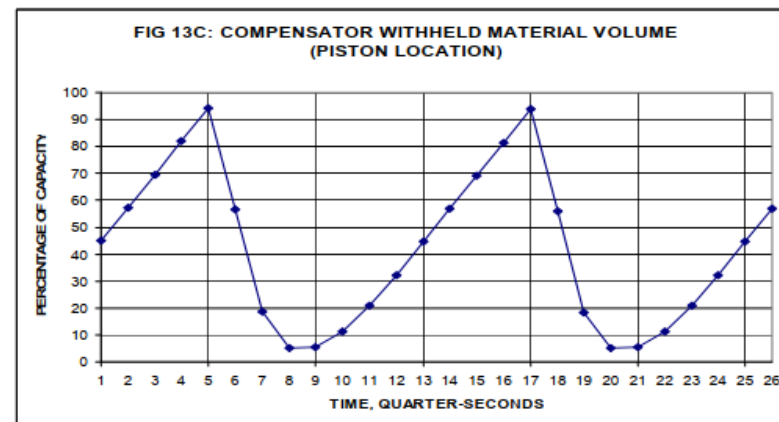
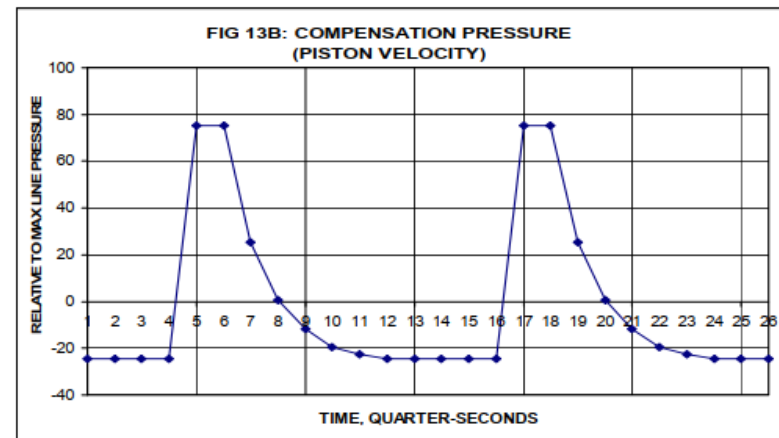
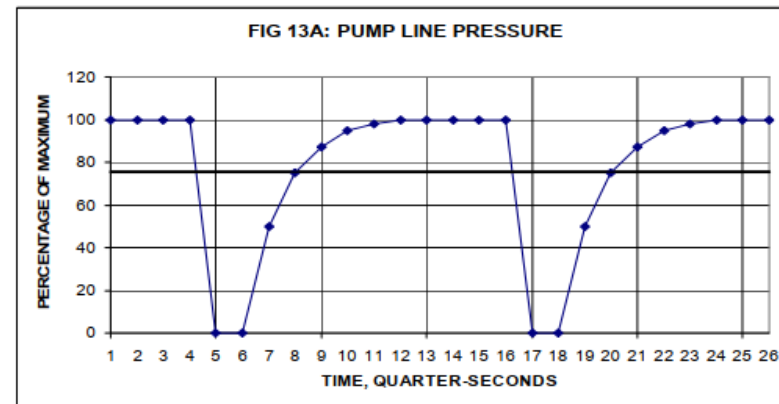


FIG 28C



**FIGURE13**

# Old

Slow • Rebounded • Wasted

# New

Fast • Vibrated • Consolidated



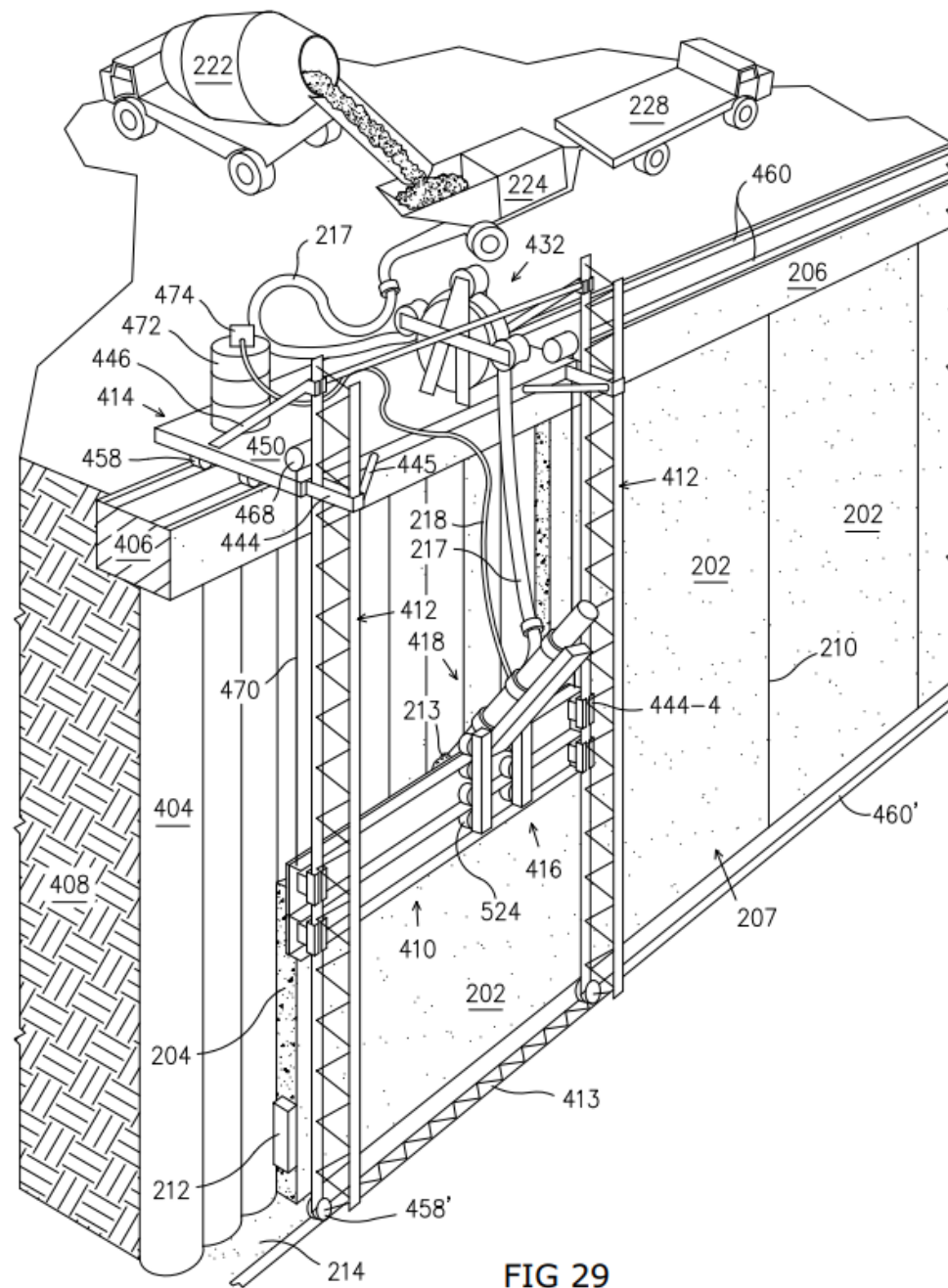
**⚠ DANGER**

Respirable crystalline silica.  
May cause cancer.  
Causes damage to lungs.  
Wear respiratory protection  
in this area.  
Authorized personnel only.





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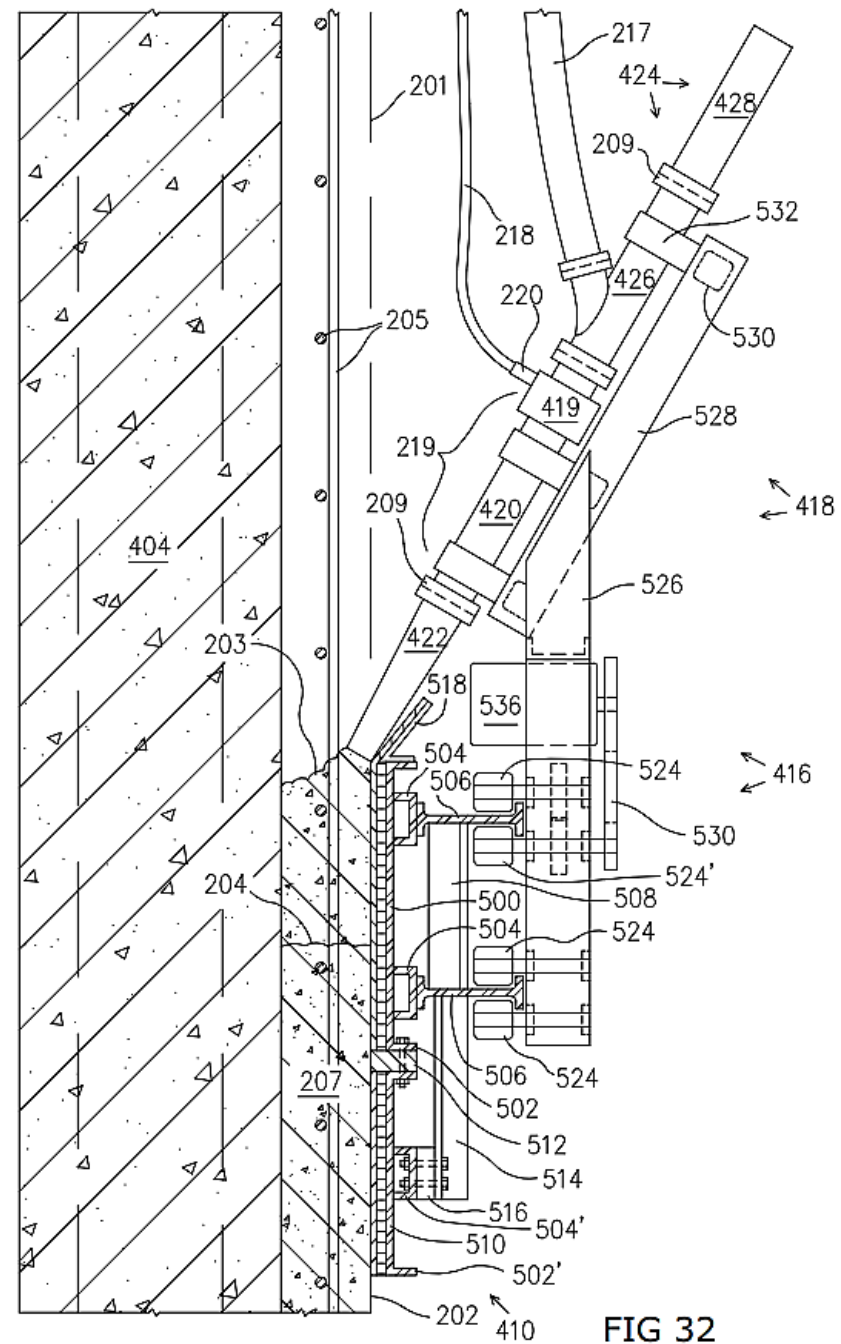


FIG 32



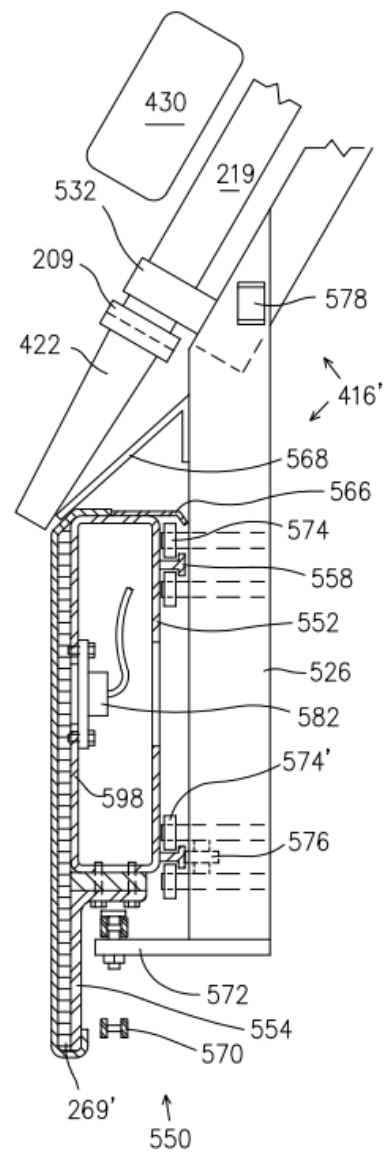


FIG 37

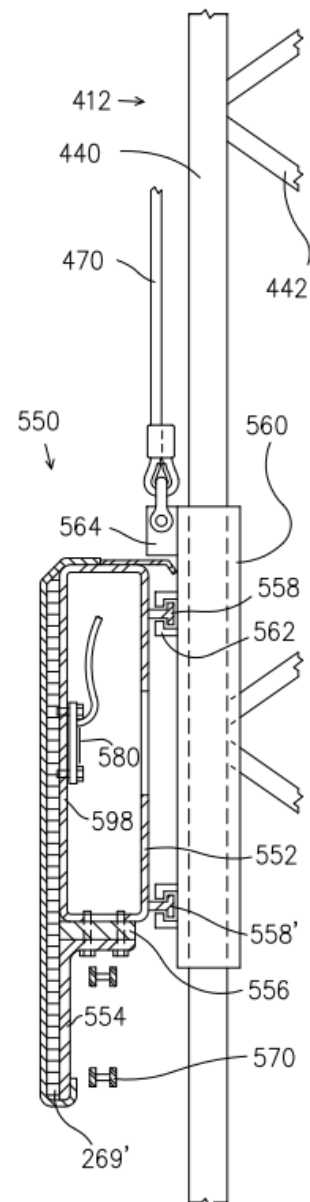


FIG 36

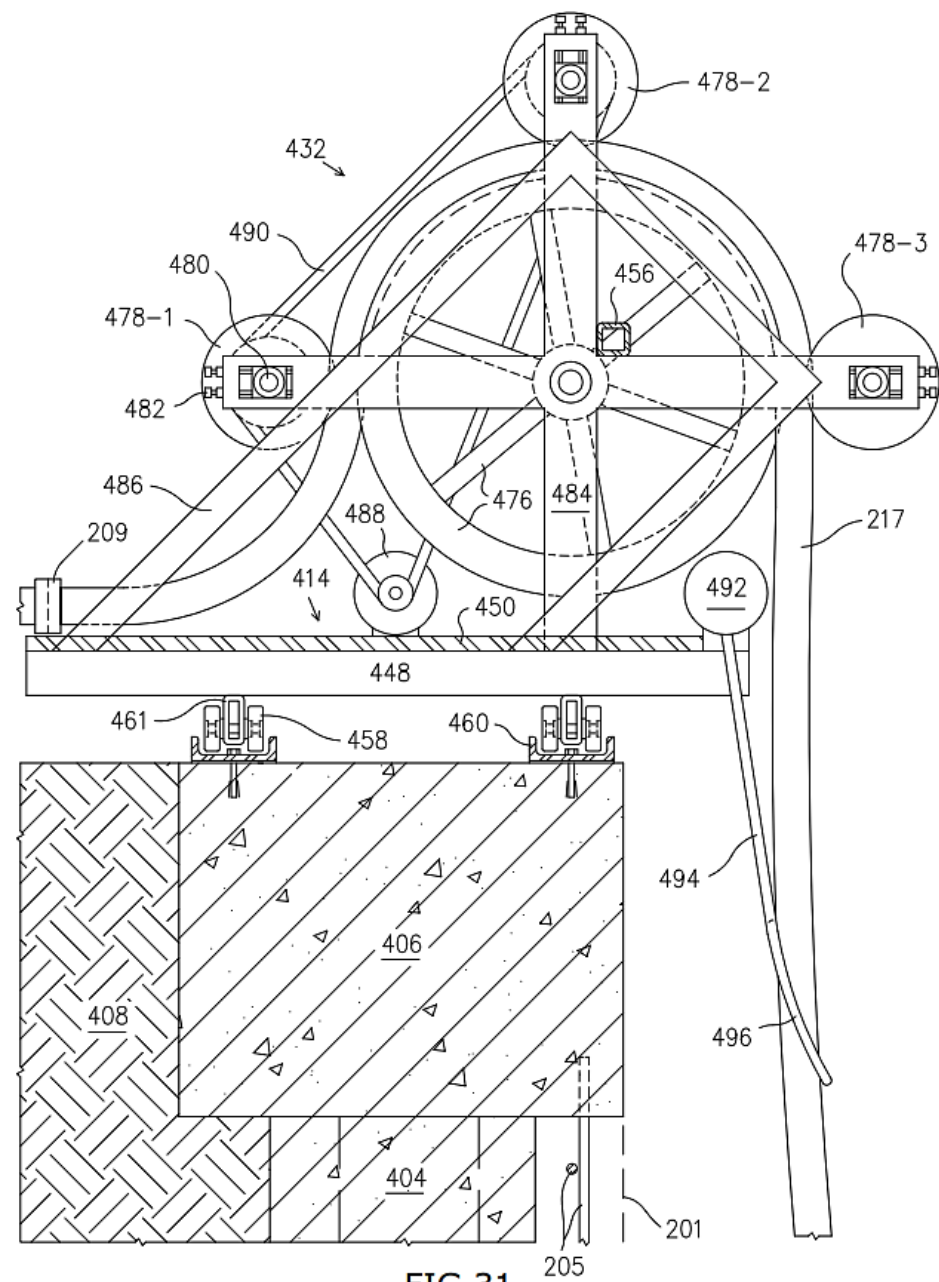


FIG 31











WWW.WIONEWS.COM



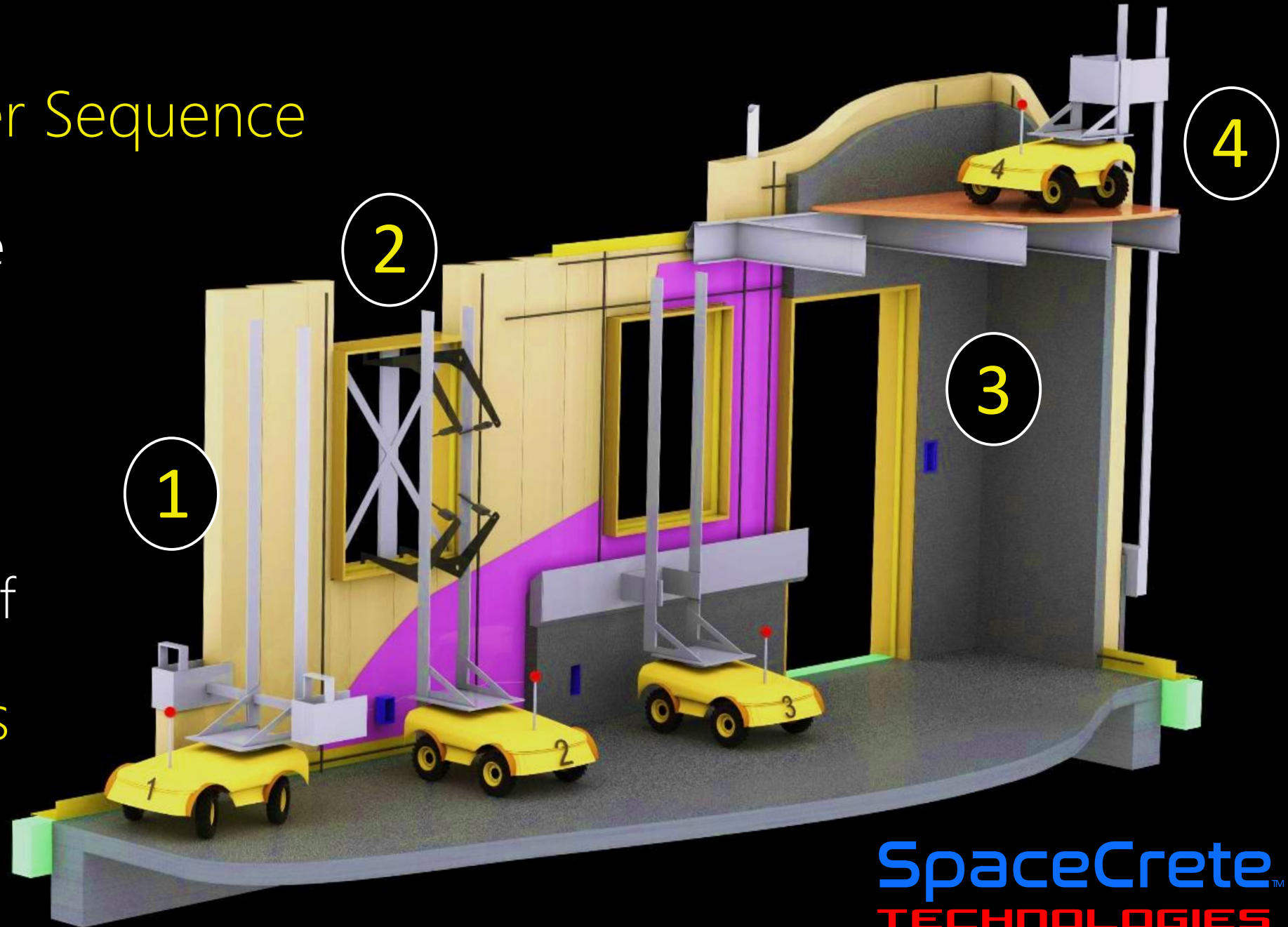




# Radical Faster Sequence

- affordable
- strong
- passive
- fireproof
- floodproof

Meets Codes



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FIG 1

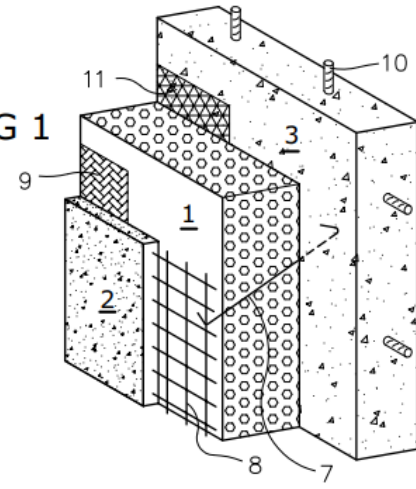
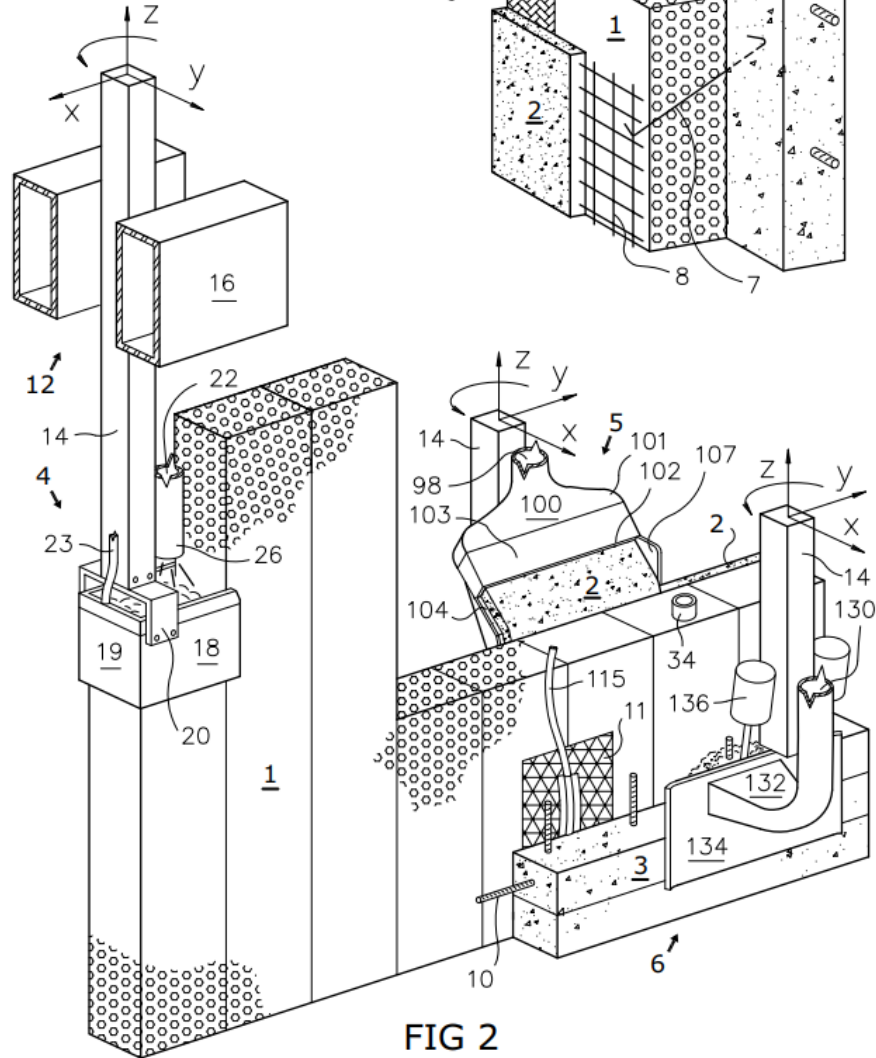
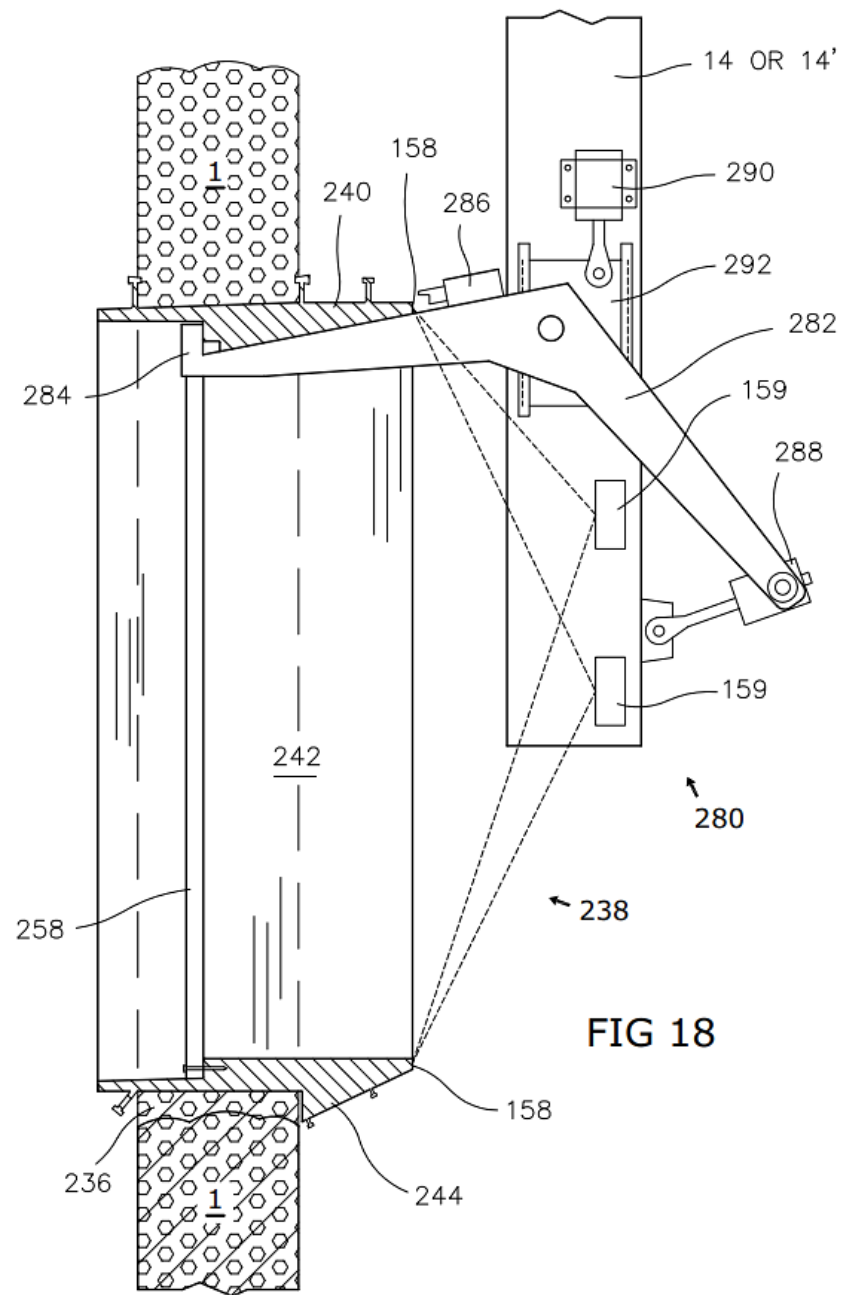


FIG 2







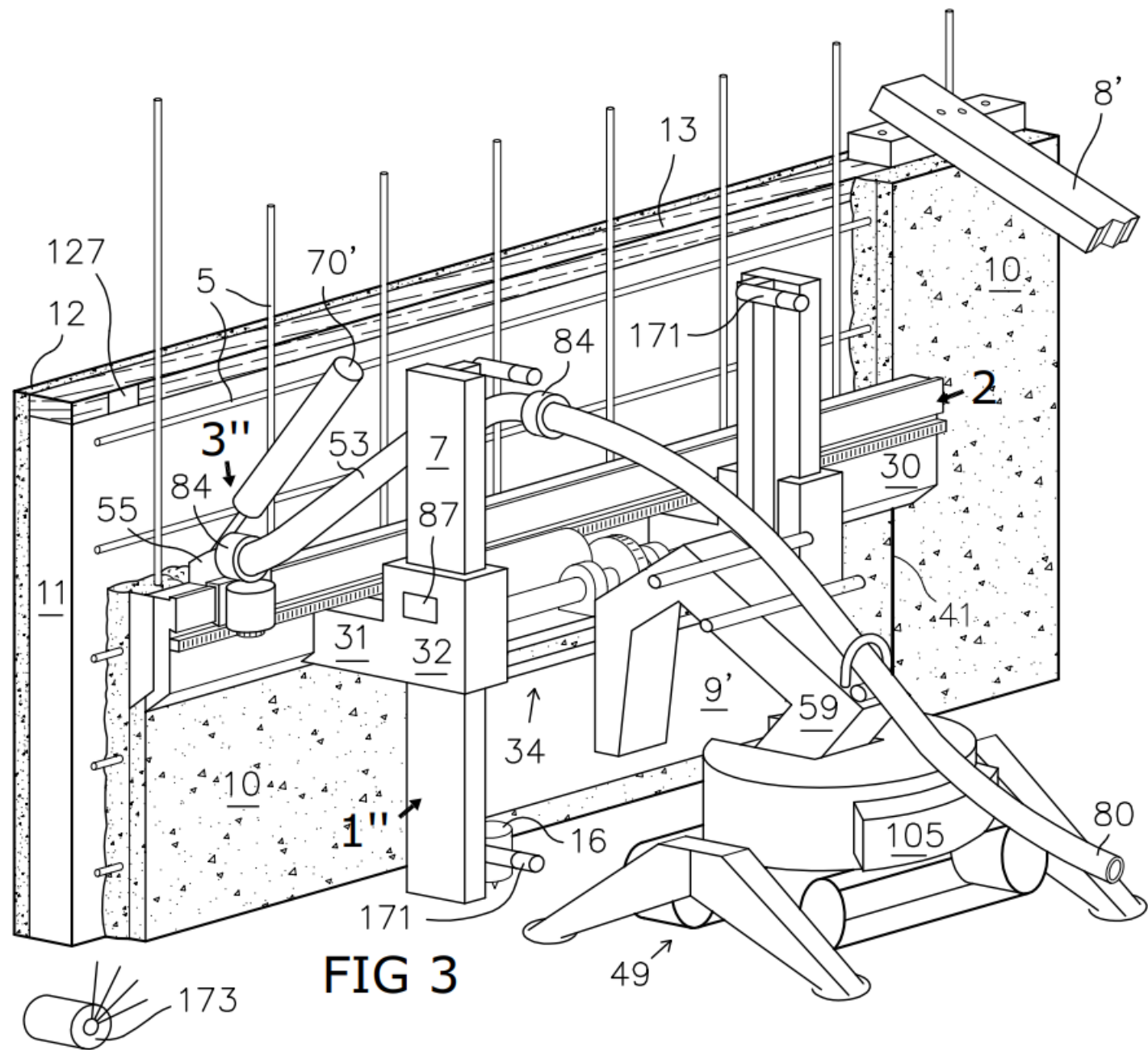
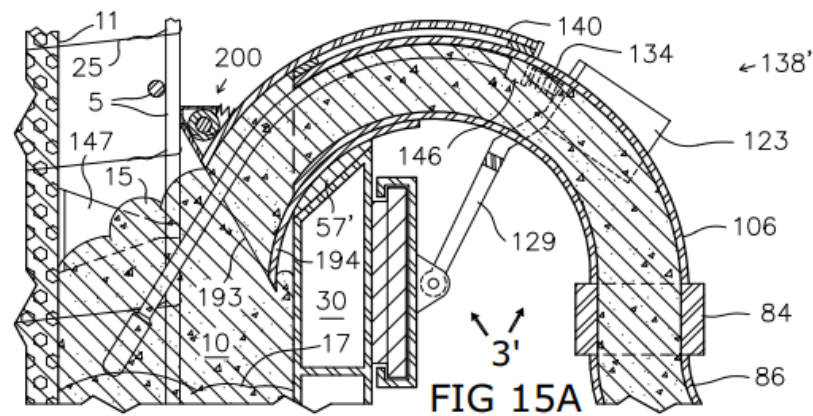
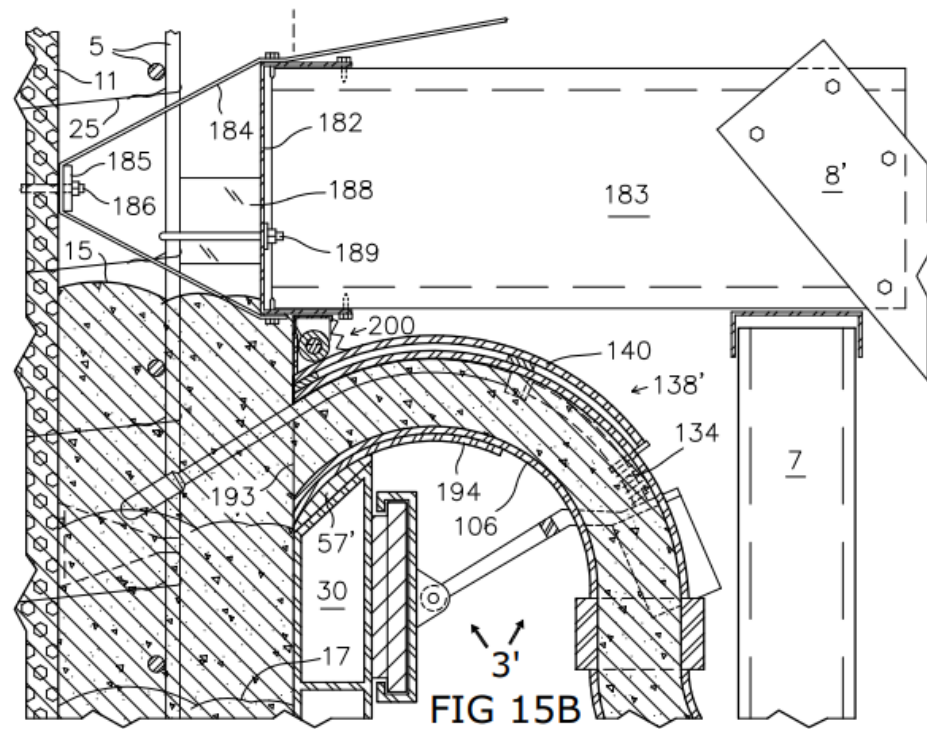


FIG 3



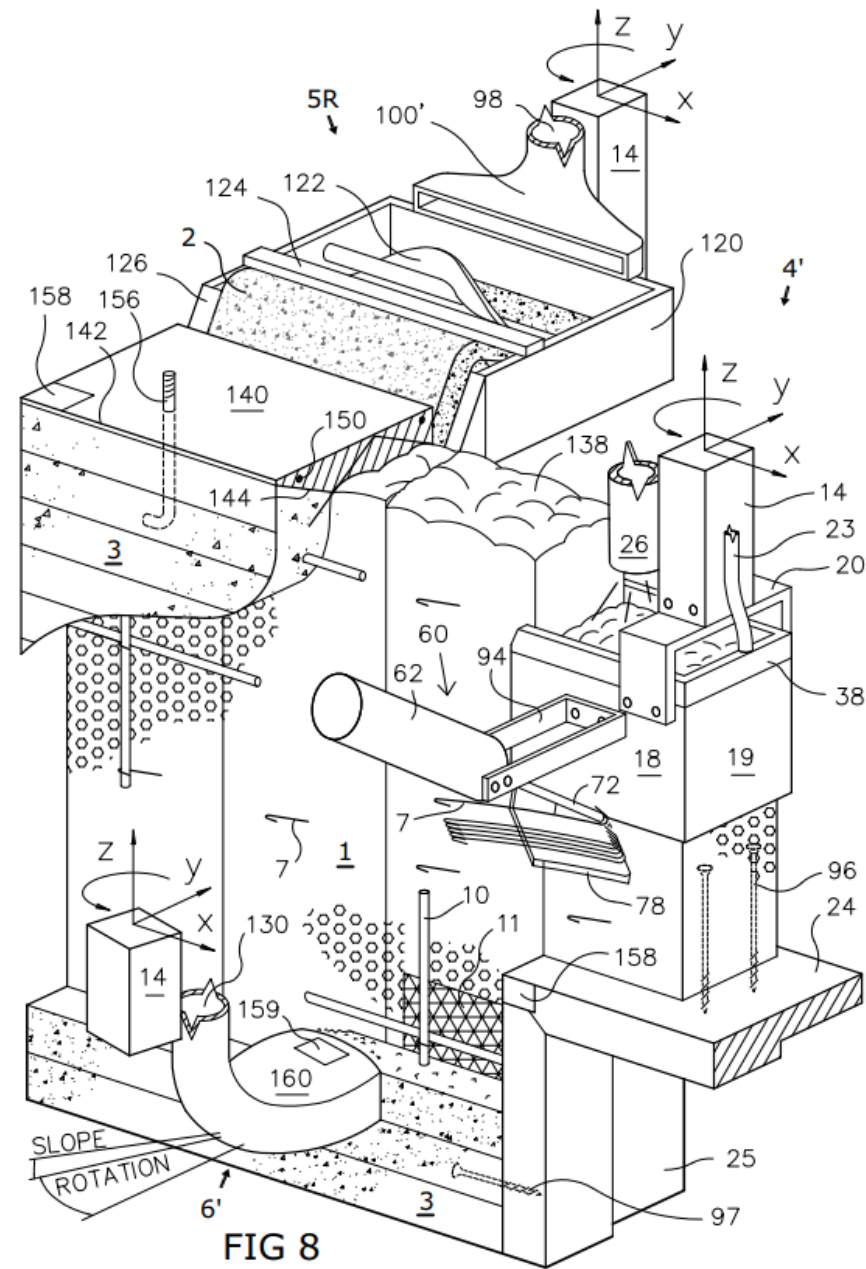
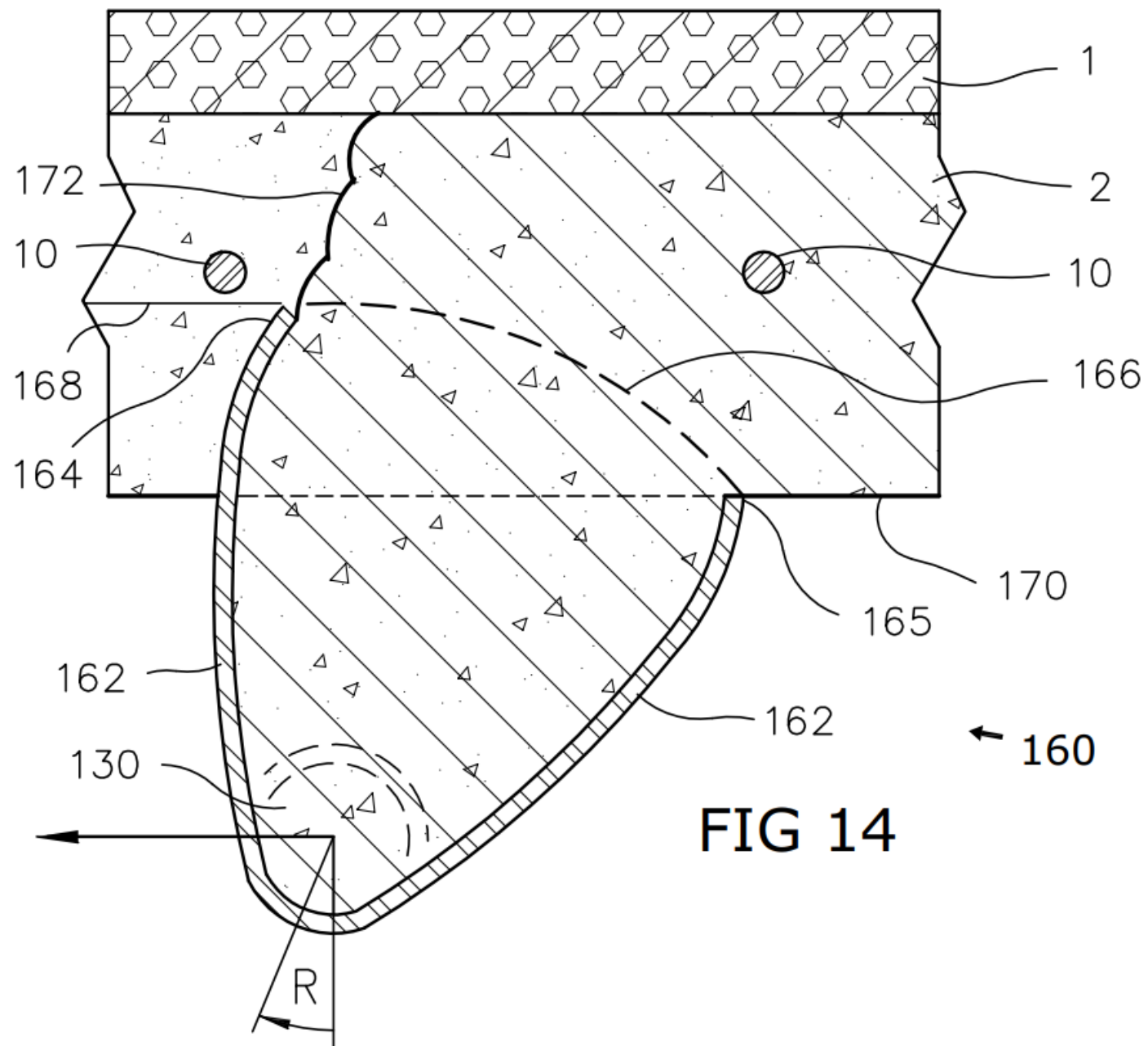
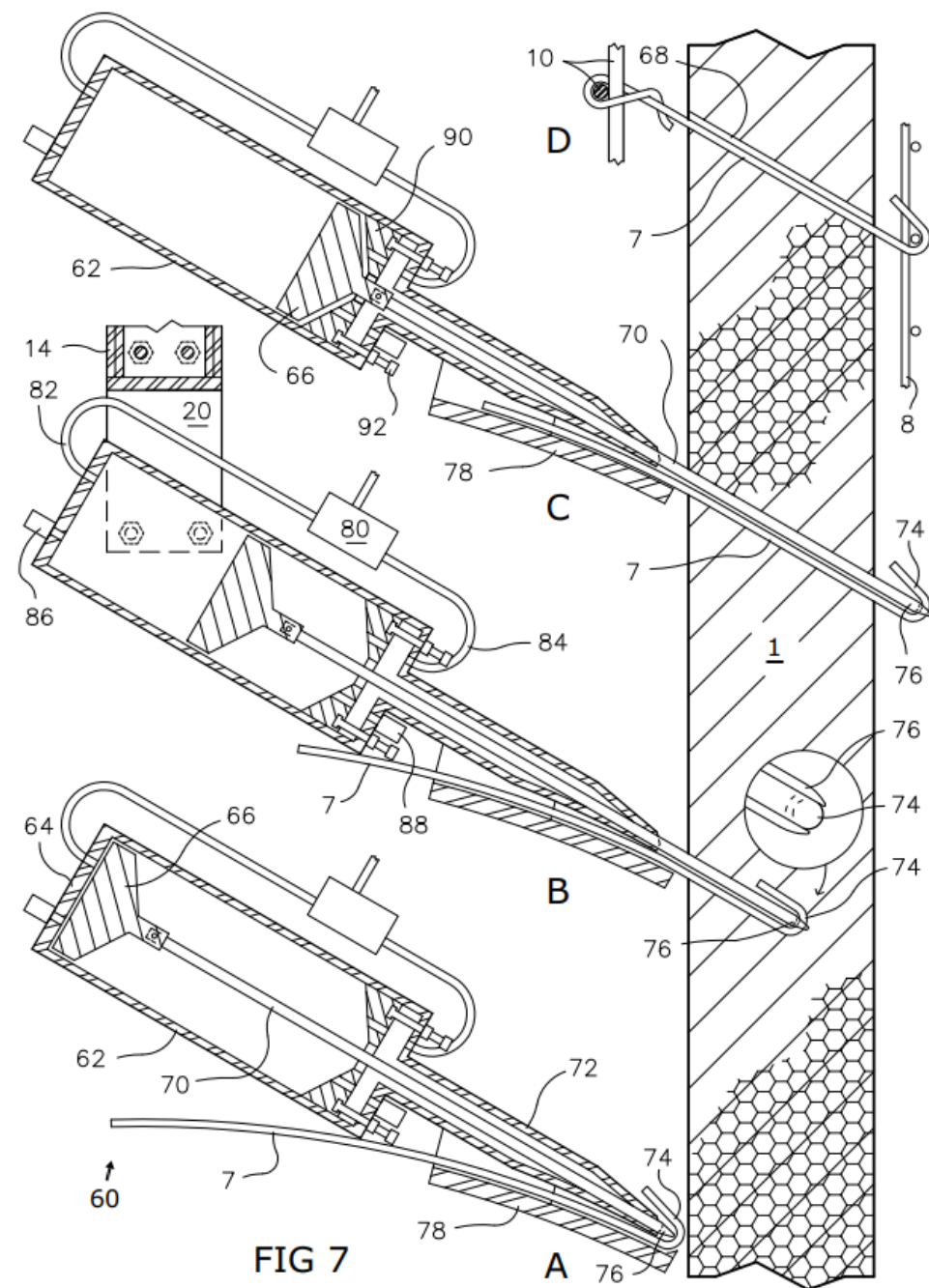
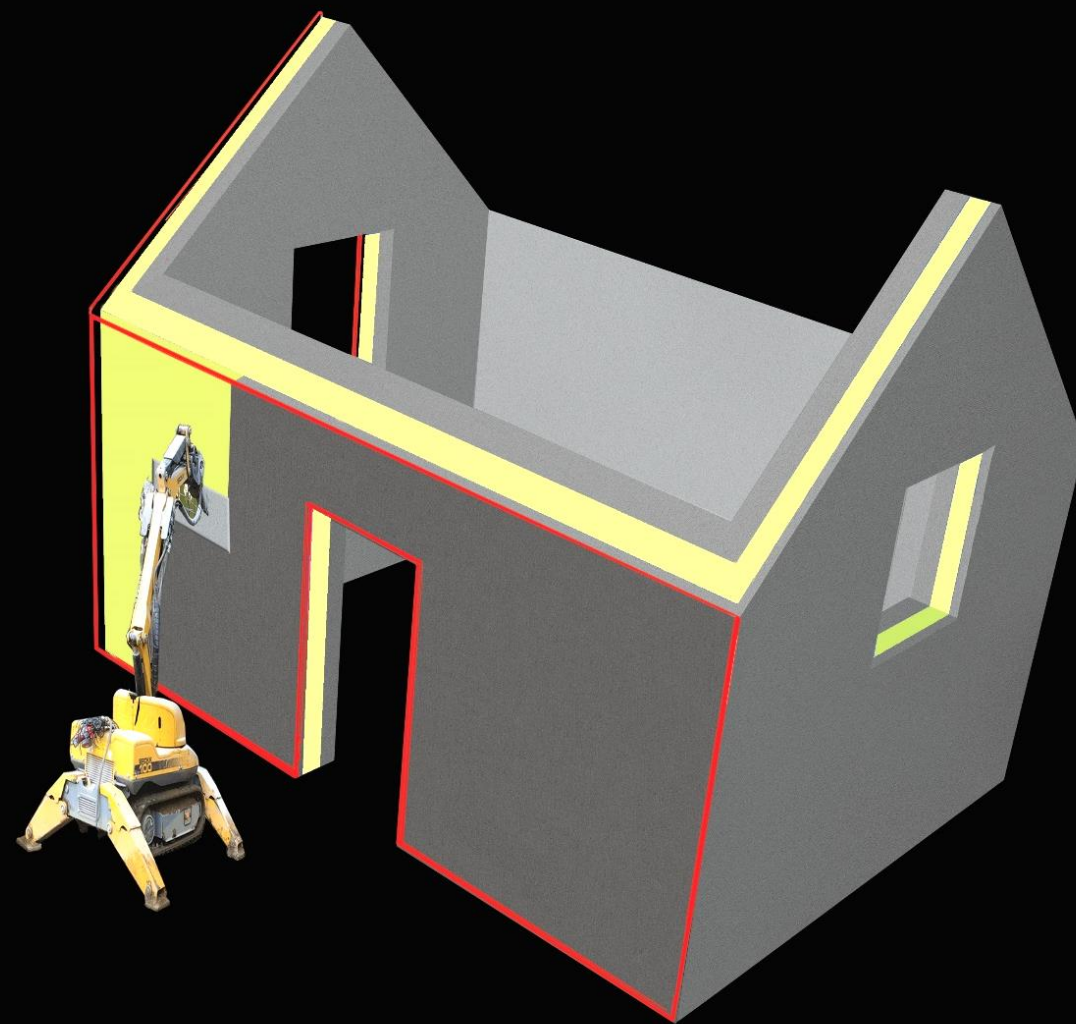
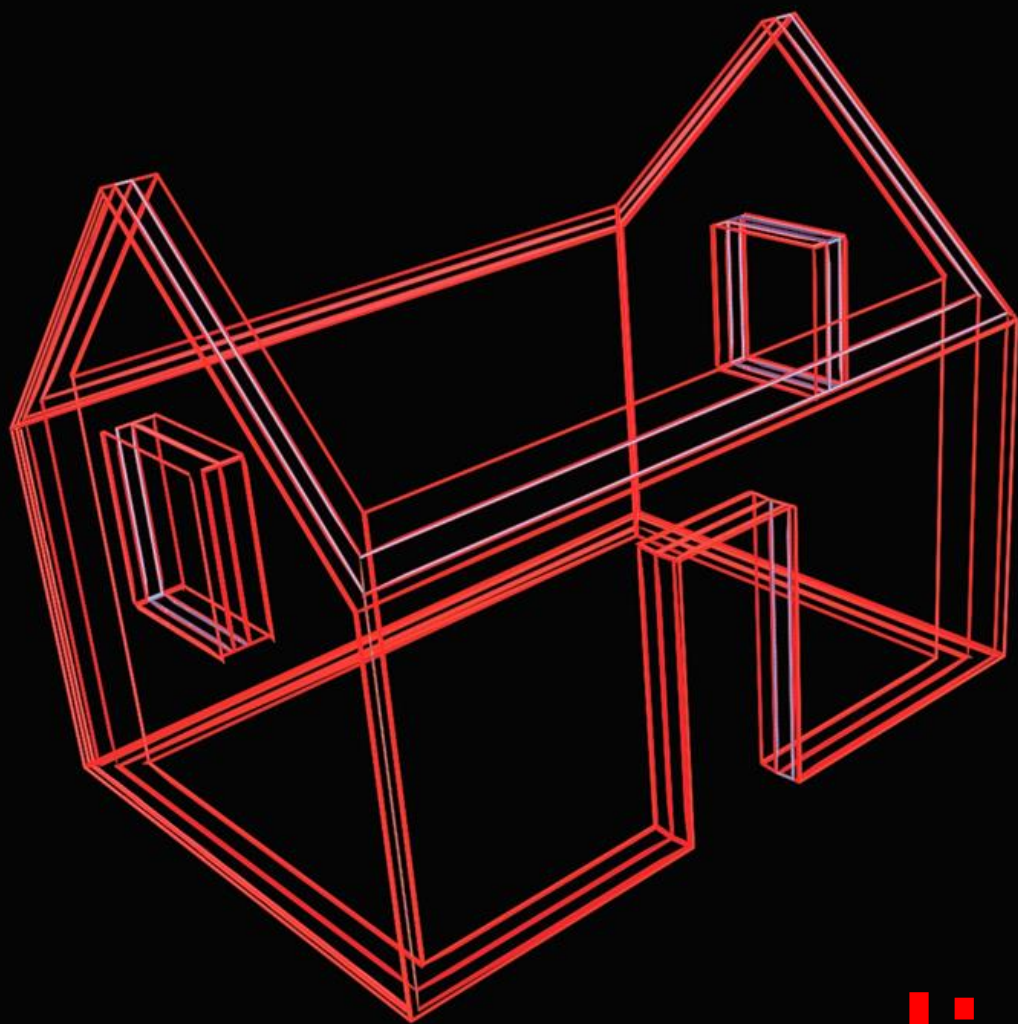


FIG 8





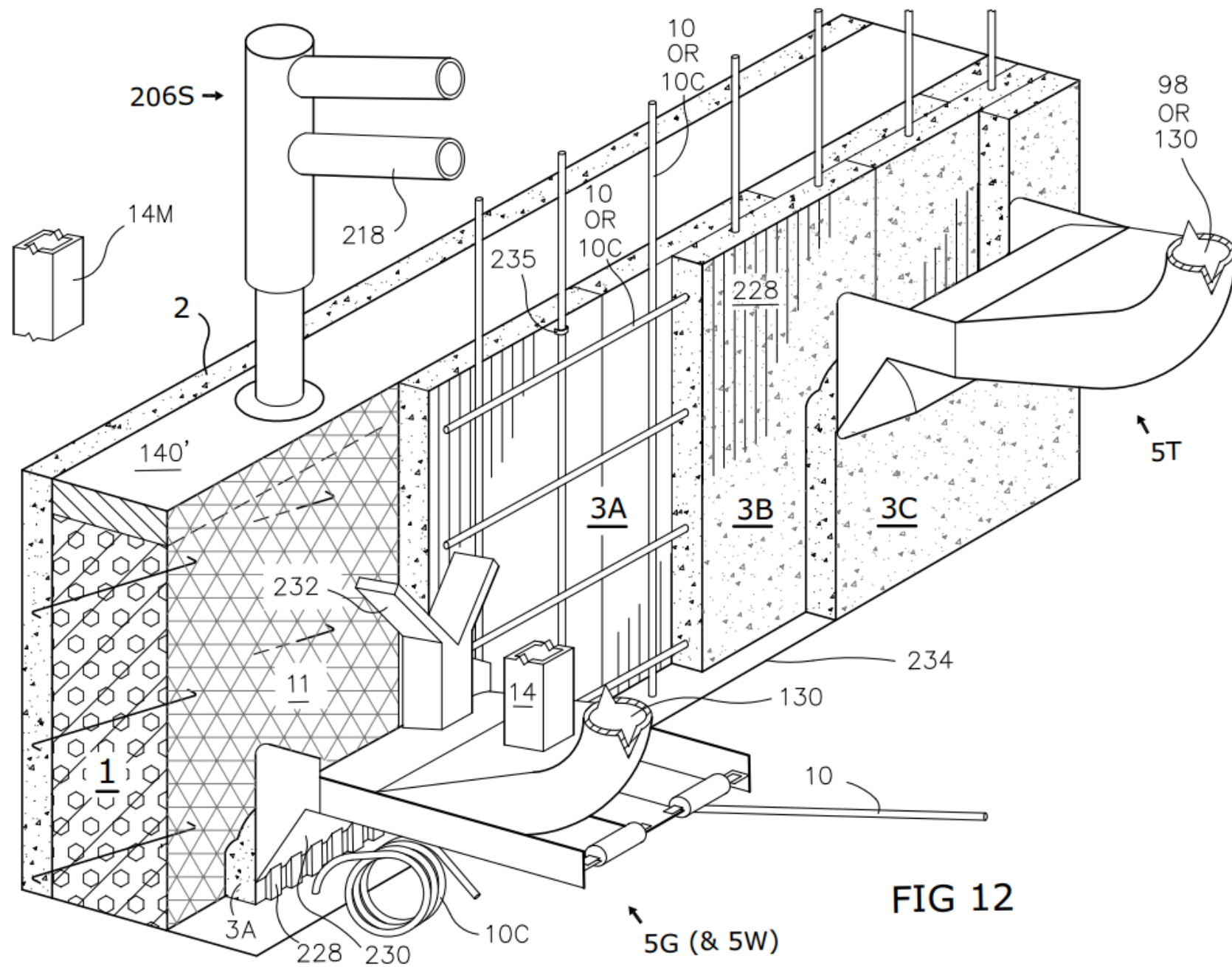


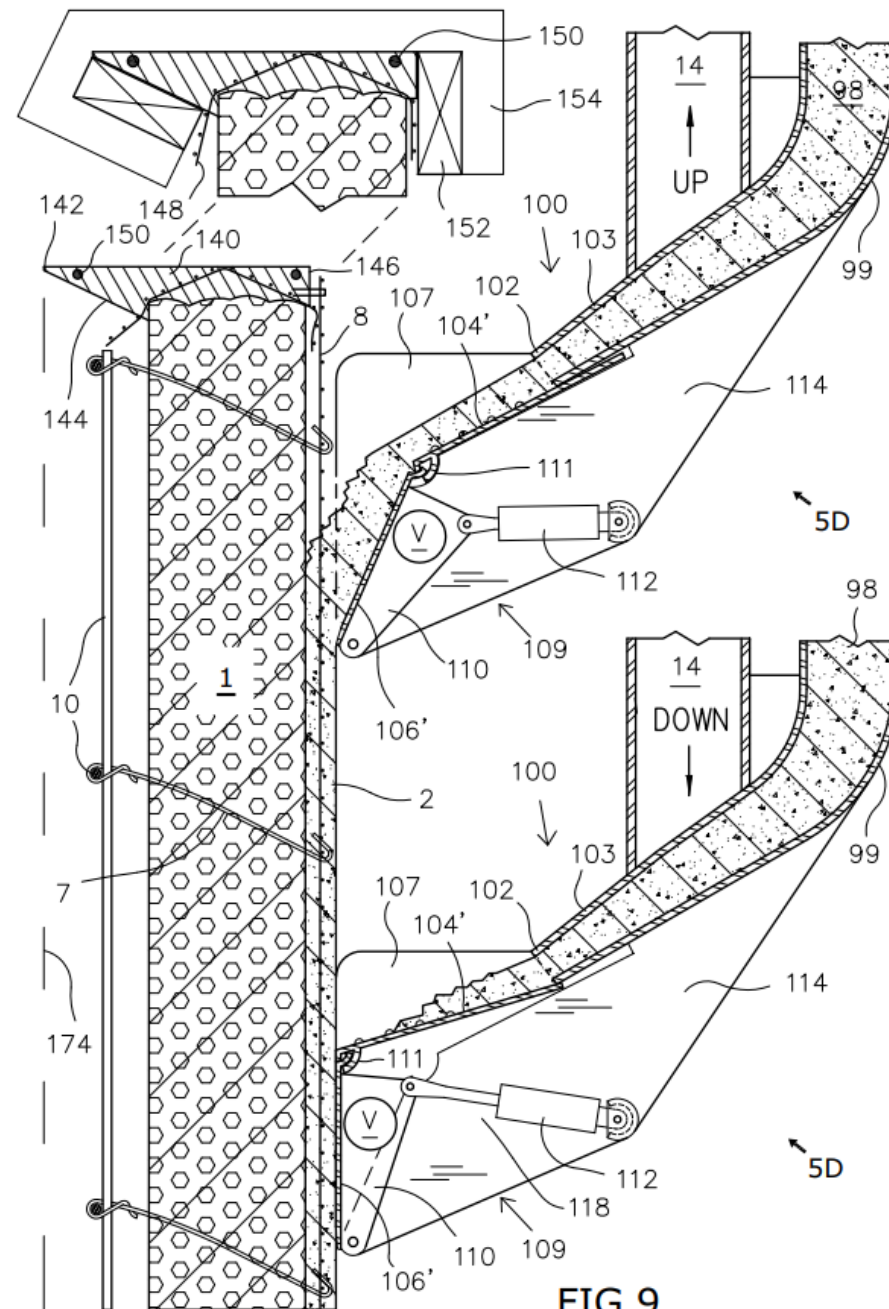


**digicon**

Automate all layers of your model.







320

324

326

328  
& 329

330

332

334

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5

7

9

18

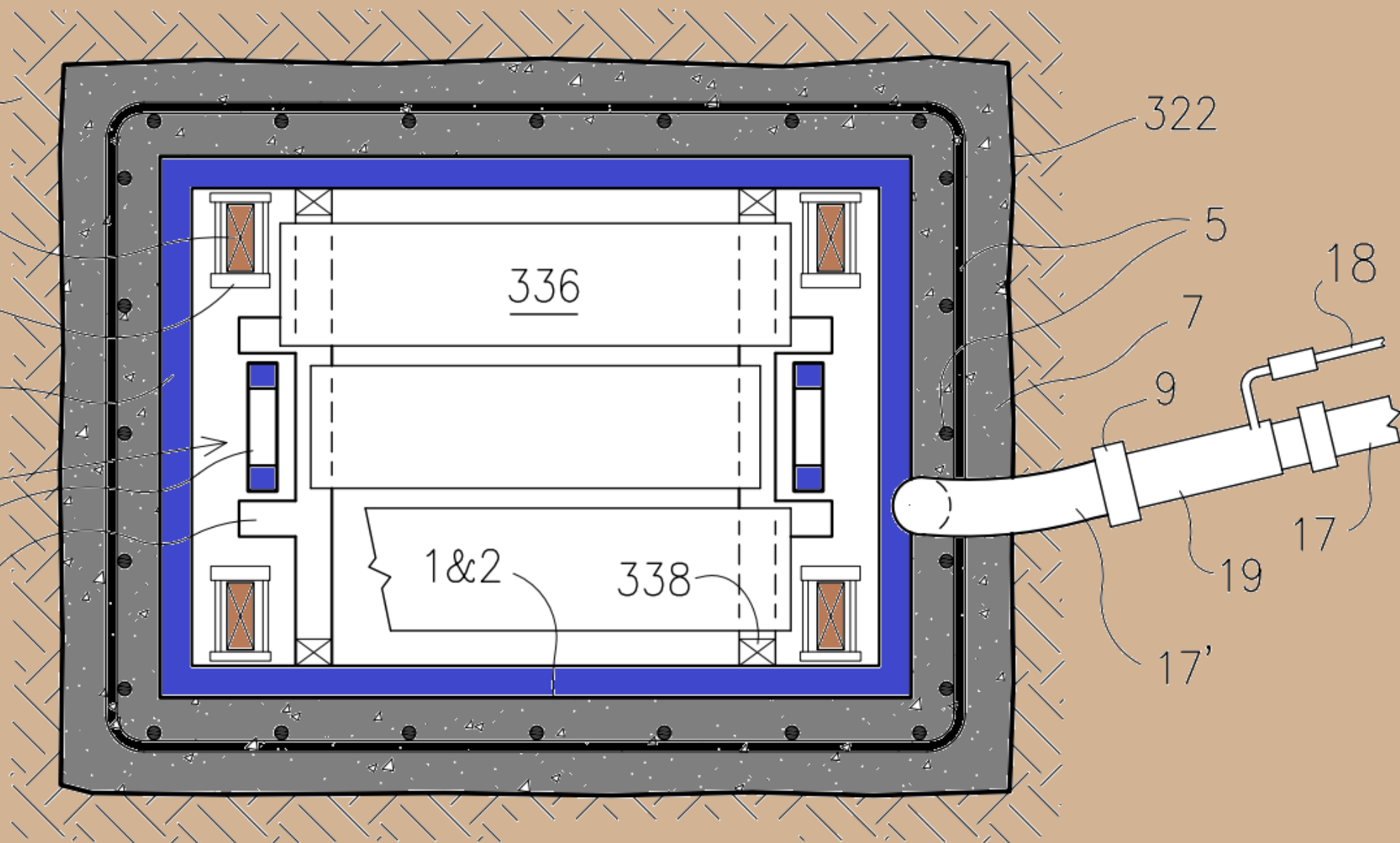
19

17'

336

1&amp;2

338



















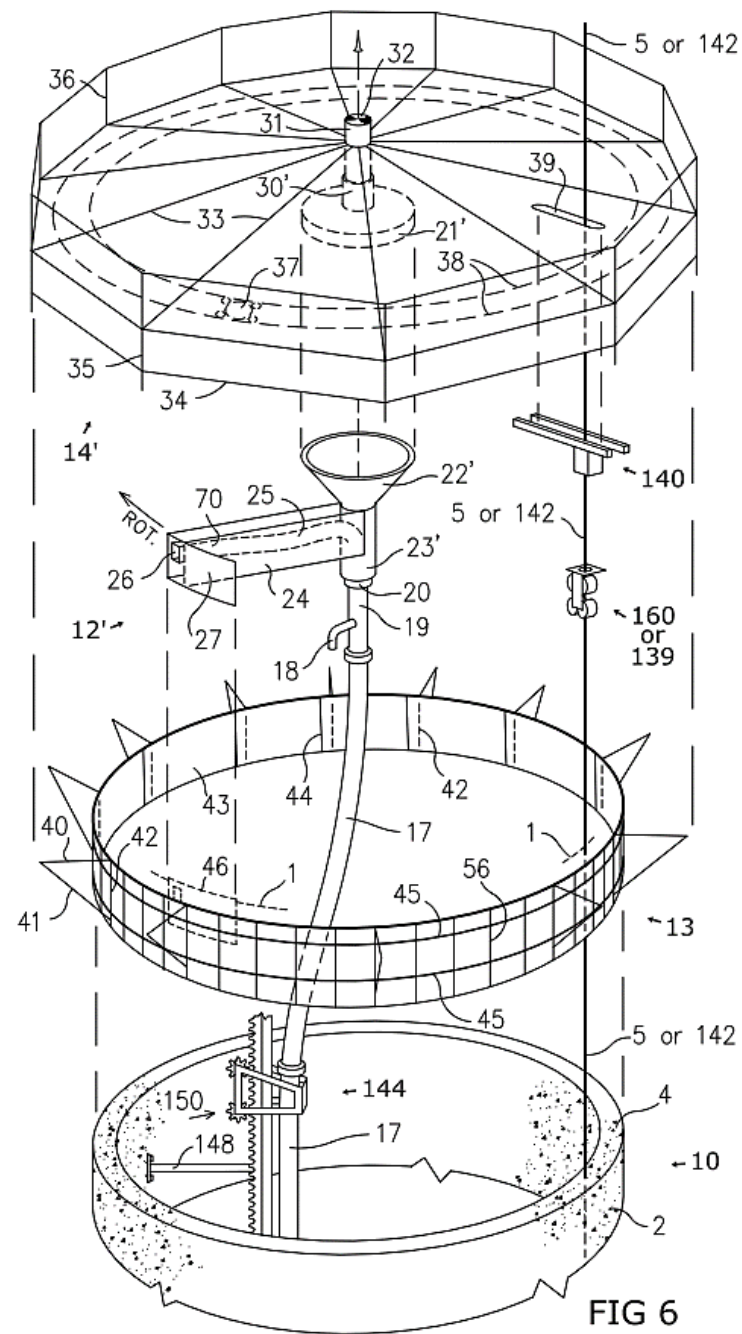


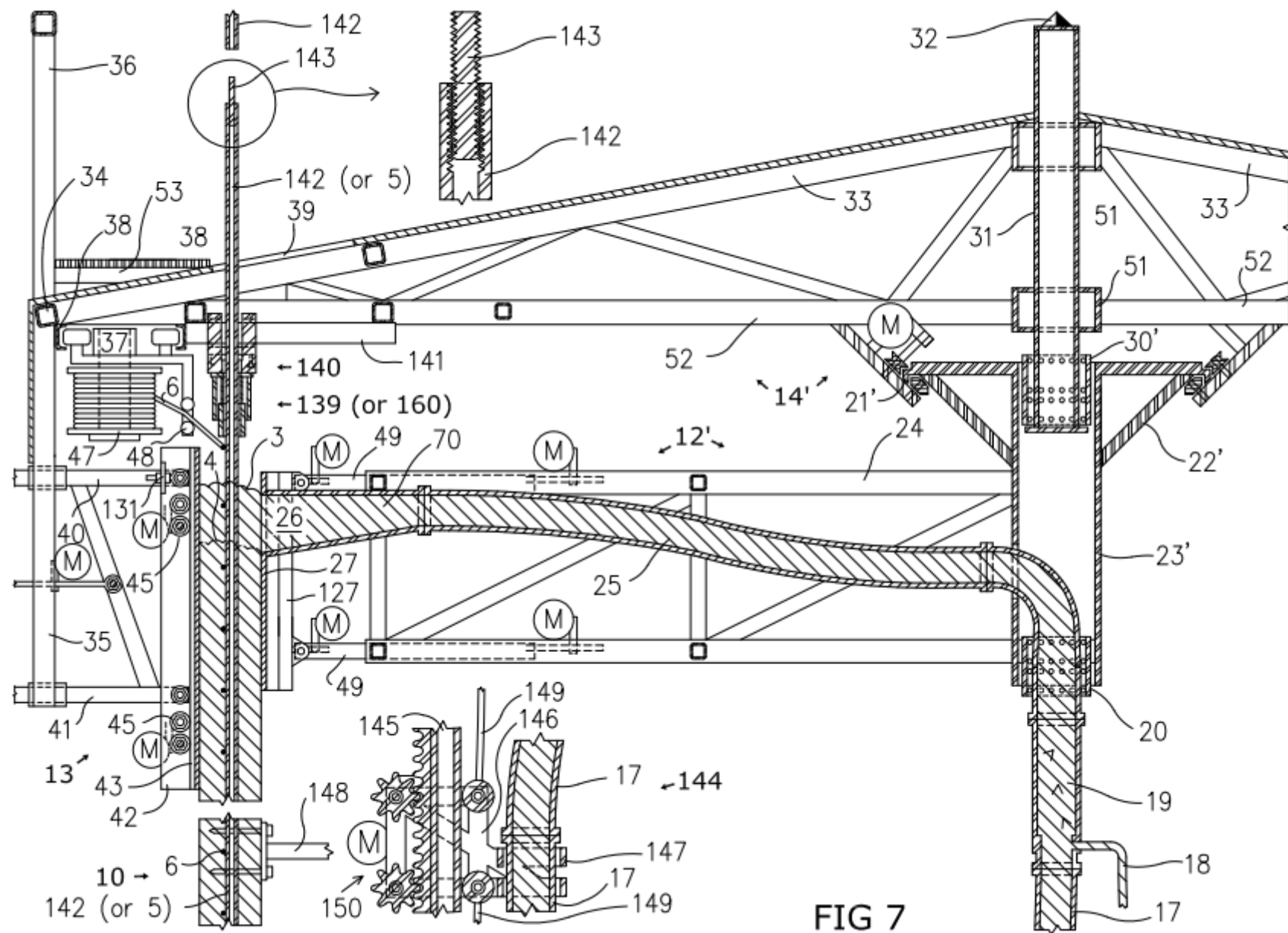




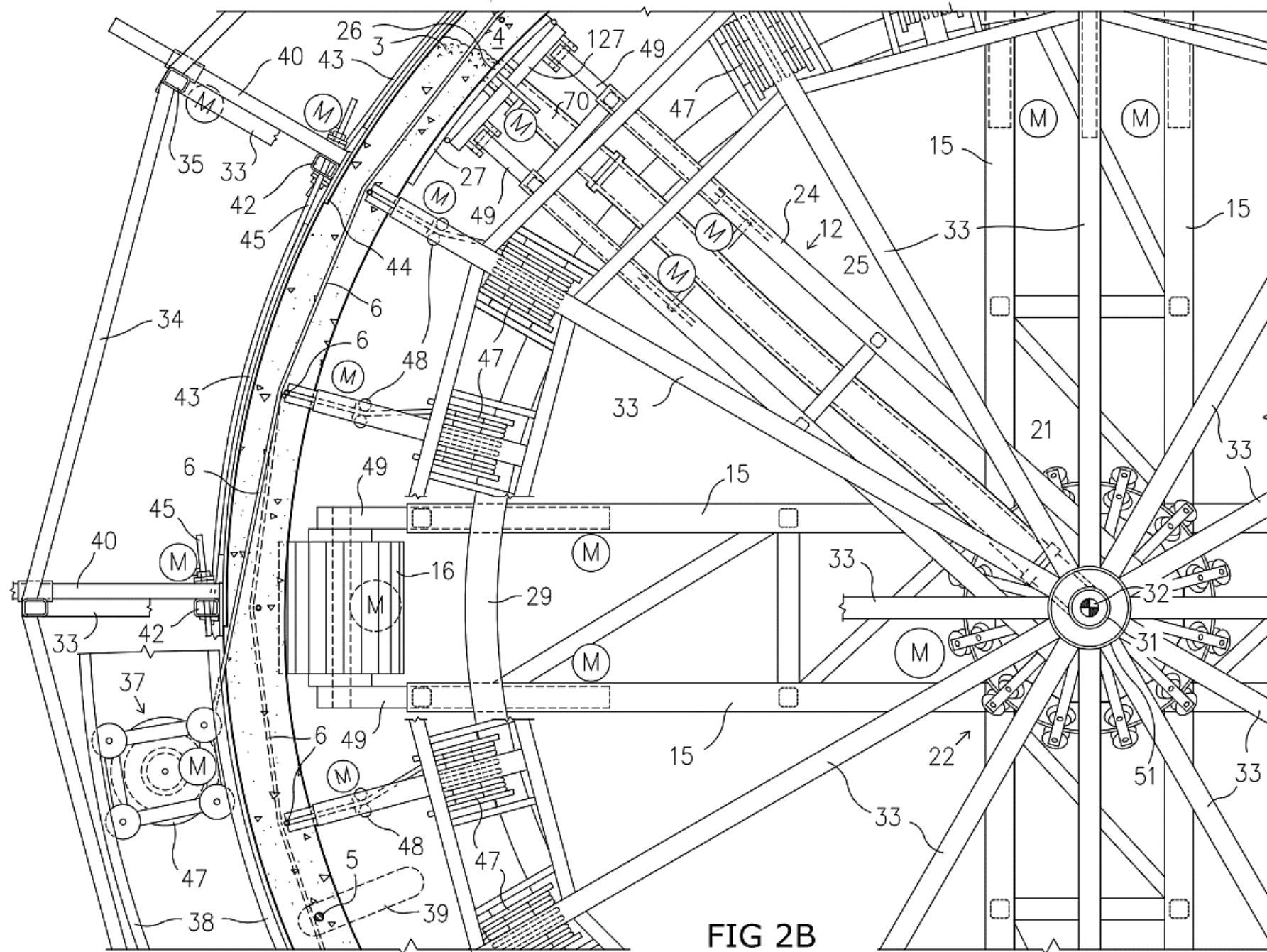


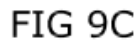










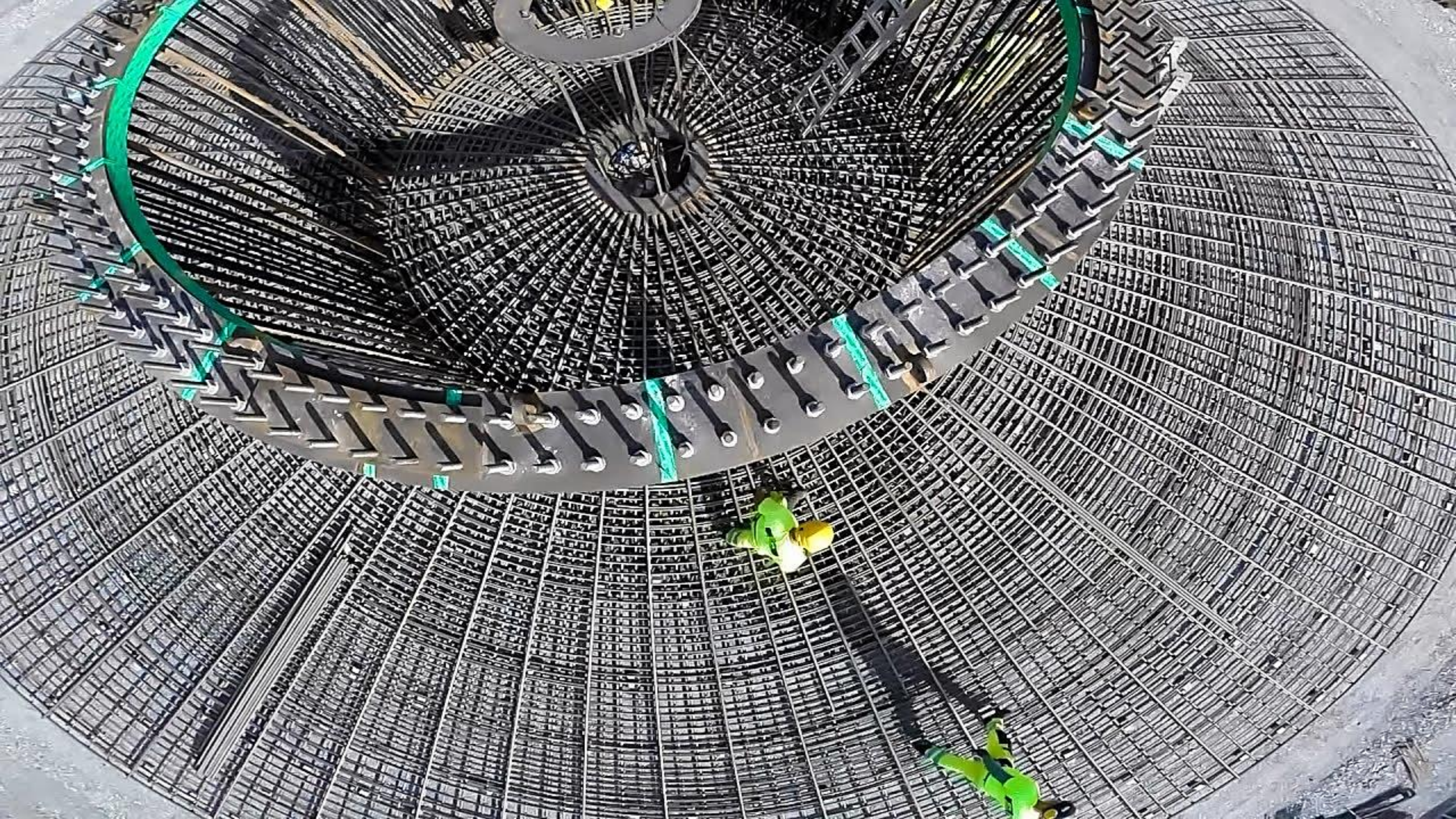






Print speed: 250 mm/s













Segment auf Segment









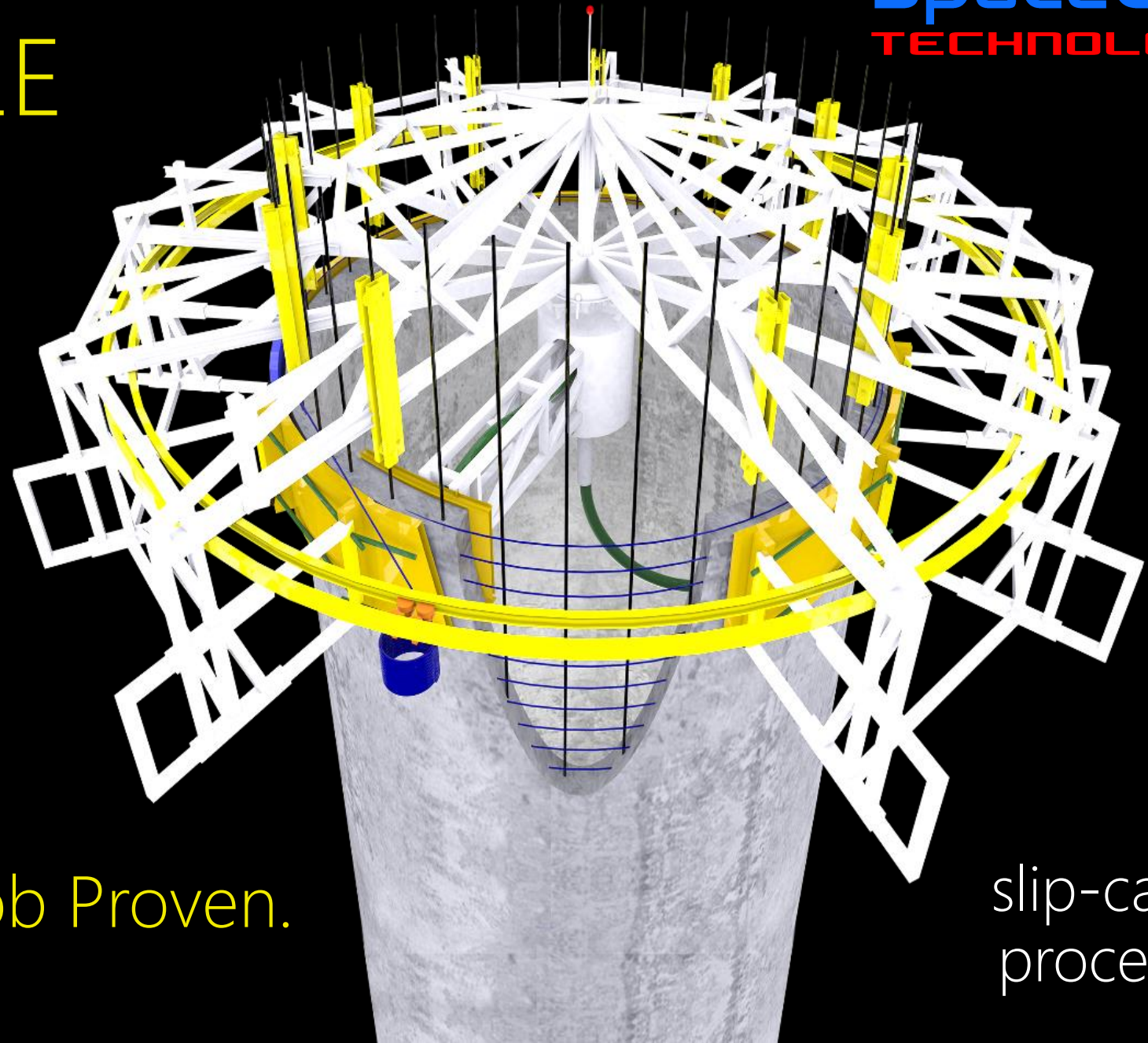
# Applications

	infrastructure	industrial	commercial	housing	other
replacing ↓ shotcrete	retn walls canals tunnels	basements power plants	basements retn walls	retn walls one-coat stucco hardscape	digital: skateparks pools
	vent shafts	vaults	barriers	3D-print	faux stone
forming	wind turbine towers floating wind arrays	silos / chimneys towers / shafts	towers elev shafts	multistory elev shafts high rise	sound walls disaster support military deployment
\$120b →	\$22b	\$24b	\$14b	\$40b	\$20b

# INEVITABLE

less time  
less labor  
less cement  
less waste  
less cost  
less CO<sub>2</sub>

Broad Patents. Job Proven.



slip-cast  
process