

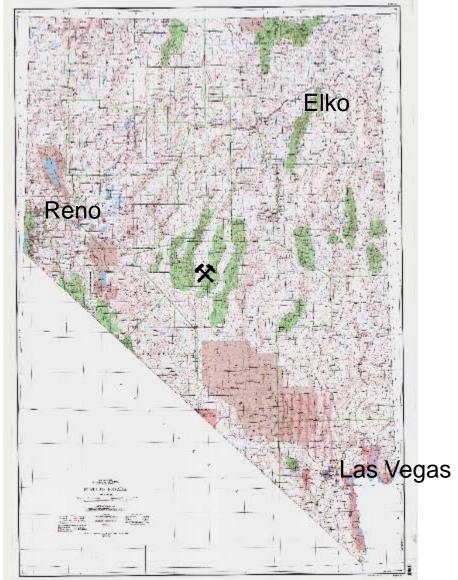
Vertical Carbon-in-Column Plant at the

Round Mountain Mine



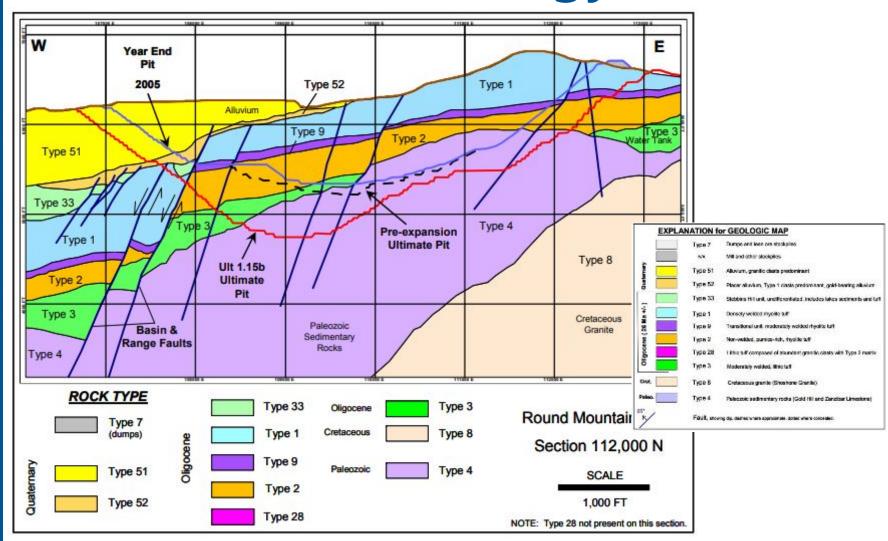


Let's Get Oriented...





Site Geology



MT Tech 2018

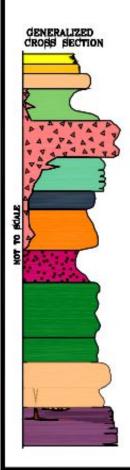
3



Site Geology

ROUND MOUNTAIN GOLD CORPORATION SMOKY VALLEY COMMON OPERATION

ROUND MOUNTAIN PIT STRATIGRAPHIC SECTION



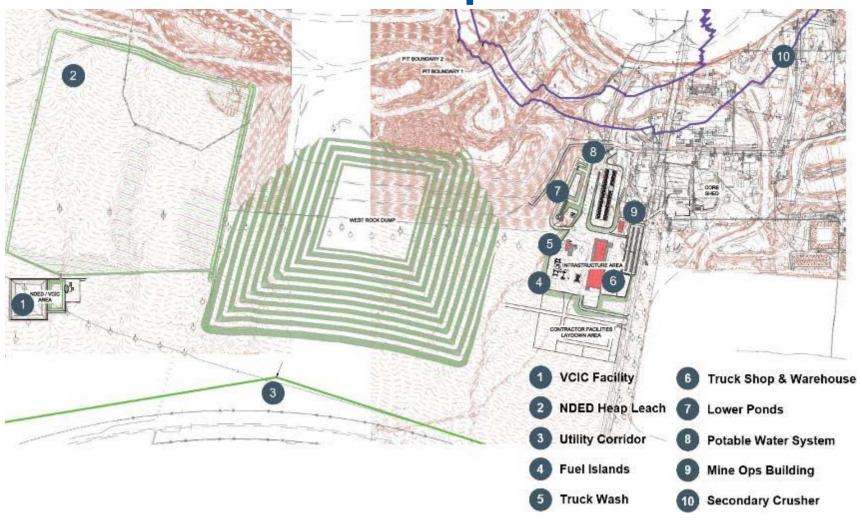
MINE DESIGNATION (ROCK TYPE)	INFORMAL NAME	DESCRIPTION

51	ALLUVIUM	Alberium deminated by granite clasts.
52	PLACER	Alluvium/plope wash dominated by eroded, mineralized Type 1 (>60%) clasts.
54	TUFF OF BIG SMOKY VALLEY	Densisty webset ash-flow tuff with a distinct red color and fresh black bioliss. Dated 26.07 Ma with a thickness up to 90°.
33	STEBBINS HILL SEQUENCE	Younger volcanic requence composed of despity webled air fall tuffs, air fall tuffs in- to lakes and revorked lake shore tuffs. The lacustrine tuffs are altered to thick doubli clays. All three are interclated and preserved in the down-dropped basin & range blocks. The Stebbins Hill Sequence is up to 275° thick.
нв	HYDROTHERMAL BRECCIA	A early premisered event from the North Peeder that brecciated and often silicified from the first part of the first that the first part of the first part of the first fank of found flowester. Extensive vertical transport, rounding, mixing of all rook types (including Type 8 and unknown rook types) with extensive silicification and brecciation in Type 1. Applicated clastic dikes and collage breccias are seen.
1	DENSELY WELDED TUFF	A despity welded rhyelitic tuff with pussice ratios averaging 18:1. Type I straddles the primary ring fracture and leps onto the the Phoshone Granite to the cast and the Type 4 highlands to the north. This unit is a Upper Member of the Tuff of Round bloomtain and is dated 20:50 Me and 660 thick.
9	TRANSITION ZONE	A moderately welded rhyolitic tail with pumice rating of 4:1 to 9:1. This unit is the transition between Type 1 and Type 2 and has a nominal thickness of 90'.
2	POORLY WELDED TUFF	A poorly wedded rhyselfile tuff with sparse lithing at the base of the unit. Pussion ratio of it to St and a everage pussion size of 1/4. This unit strading the primary ring fracture and lapse sorts the Shoshone Grantte to the east and the Type 4 highlands to the north. Type 2 is a Upper Hember of the Tuff of Rousel Moustain and \$6 deted 28.52 ha and ~630 thick.
28	GRANITE RICH POORLY WELDED TUFF	Initial outflow of Type 2 onto the steep hillsides of the Shoshone Granite caused avalant and subsequent deposits beck into the calders. This unit is Type 2 with up to 80% rounded granite classe and comprises over 350° of the southeastern highwall. It primari occurs in the southeastern highwall. It primari occurs in the southeastern beginning of the pit adjacent to the Shoshone Granite.
3	BOREHOLE TUFF	A moderately websed rhysikle tuff with a variable palacassic lithic conclust (6 in 1851) and stead C-1/107 pumics. This tuff, sick known as the bovehole tuff, was the initial outflow sequence from the Round Mountain magma chamber. Calders formation took place during this certifier, regulating in large (up to 1007) rathed belocks of palacacions and the baperment adjacent to the primary ring fracture. This unit is possed in the calde with a little overlap past the primary ring fracture. This unit is possed in the calde with a little overlap past the primary ring fracture. Africal is seen at the tap of this unit having an age of 26.03 bit and thistospi >1,500°.
31	TUFF OF DRY CANYON (WATERTANK TUFF)	A large numice (up to ~1.5°) lithic sph-flow tuff (dated 32.18 \$a) formed in the Bry Canyon Calders. Large Rype 4 megabrecolog dominate the ring margin with the overall tuff having abundant large pusite and numerous large biotiles.
61/62	FELSIC & INTERMEDIATE DIKES and SILLS	Felglic and intermediate dikes and slike (dated 34 to 37 Ma) that intrude the Shoshone Granite and Paleousic basessent is locat of the dikes and slike in Sype 4 are located in the eastern portion of the pit under Rouse Bloustain.
8	SHOSHONE GRANITE	Gretaceous age (dated ~95 Ma) granite pluton that intruded the paleozoic basement an underlies the southeast quadrant of the pit.
42-49	PALEOZOIC BASEMENT ROCKS	Correlates with the Gold Hill Formation (Cambrian), Zassibar Limestone (Ordovicion) and Mayflower pickist (Ordovicion). Type 4 underlies the northern and northeastern portions of the pil. Sandatones, stitutions and motisteness are all locally by the Shoshone Granite to quartaites, argillites, physites and knotted physites. Extensi threating is seen throughout this rock type.

2-22-06



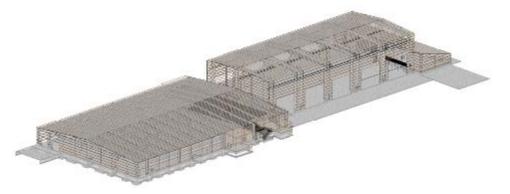
Phase W Expansion



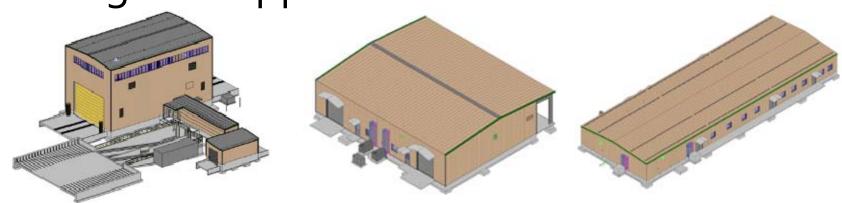


Phase W Packages

Package 1: Truck Shop and Warehouse



Package 2: Support Infrastructure

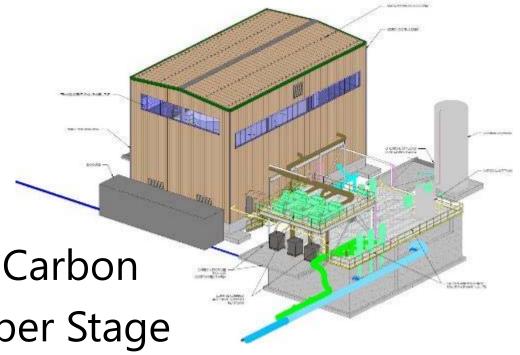


Package 3: NDED VCIC



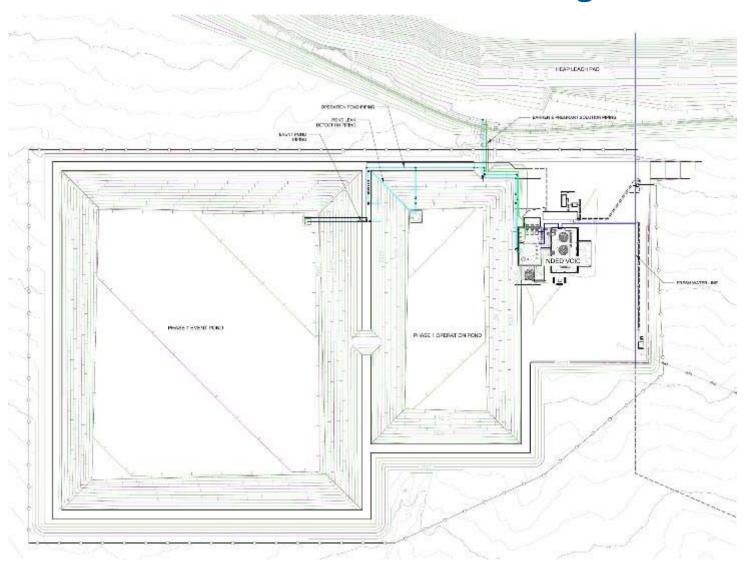
NDED VCIC Design Criteria

- 9,000 gpm
- 3 Tanks
- 6 Stages
- 6x12 Activated Carbon
- 4 tons Carbon per Stage
- Carbon Safety Screens
- Automated Carbon Transfer/Advance



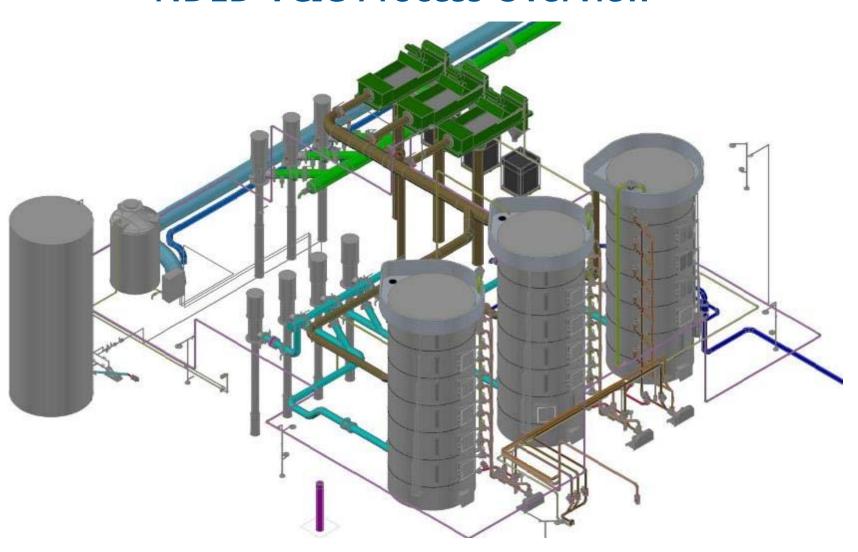


NDED VCIC Pad General Arrangement

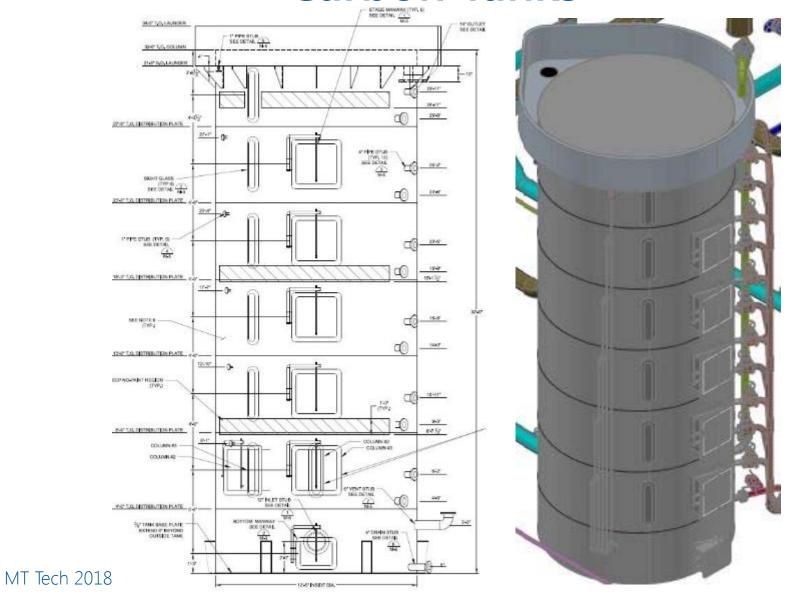




NDED VCIC Process Overview

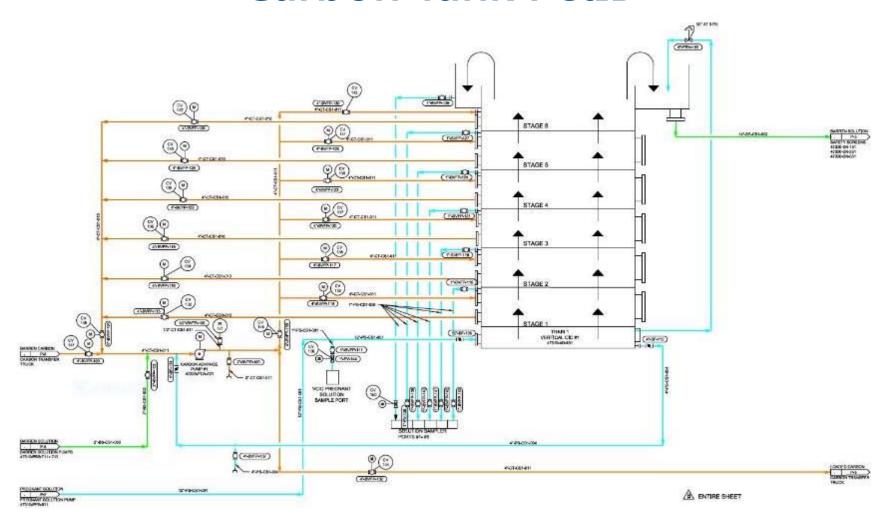






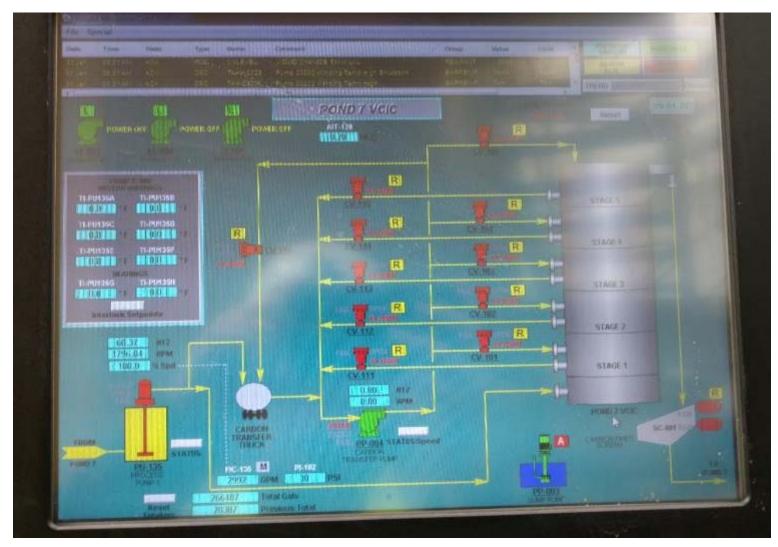


Carbon Tank P&ID



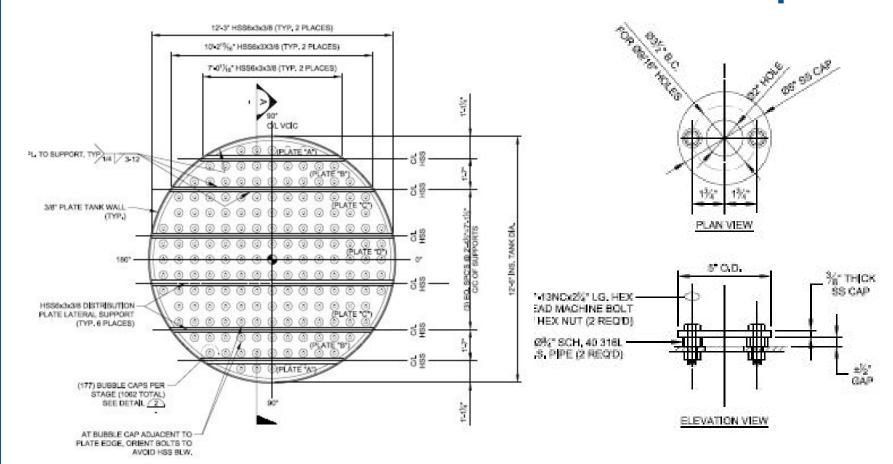


Carbon Tank Controls





Distribution Plate and Bubble Caps



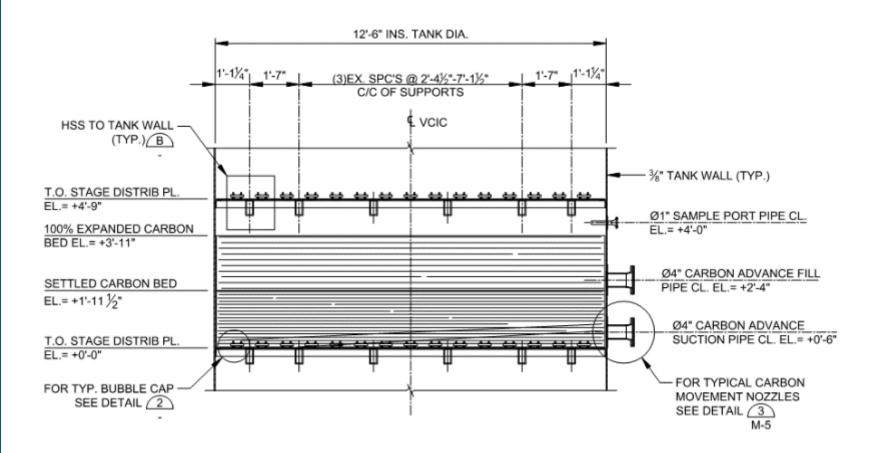


Distribution Plate and Bubble Caps



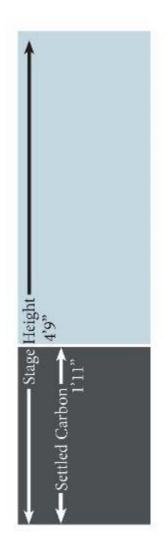


Carbon Bed Expansion





Carbon Bed Expansion



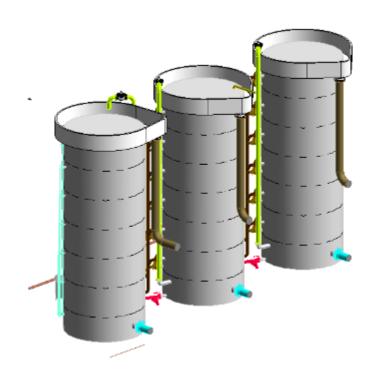


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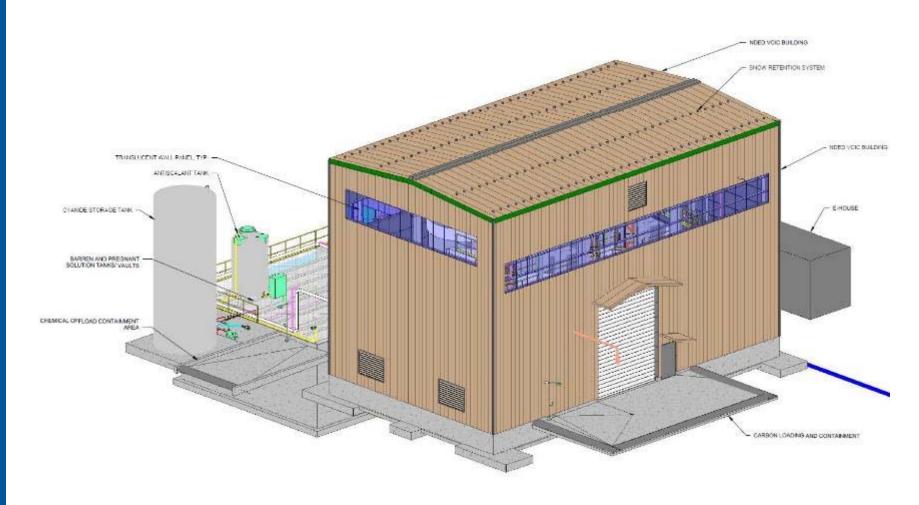
Gravity vs. Vertical





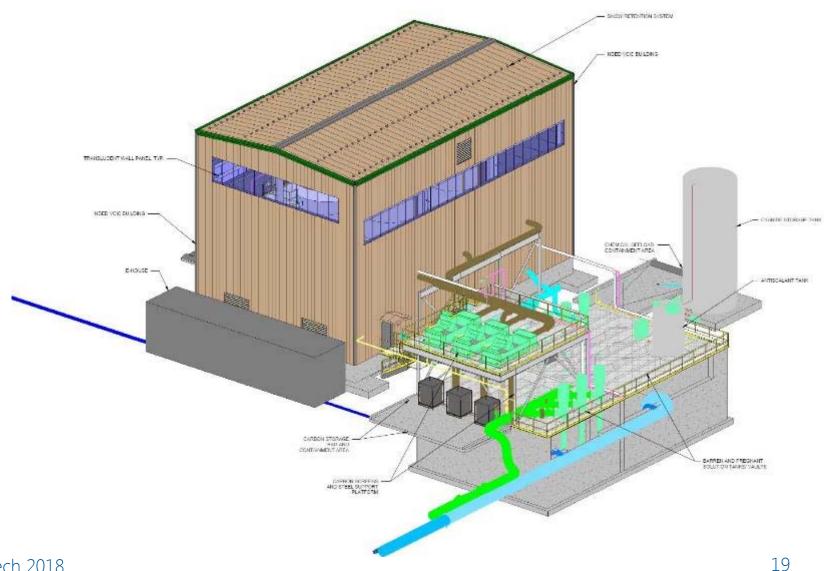


NDED VCIC Building SW View





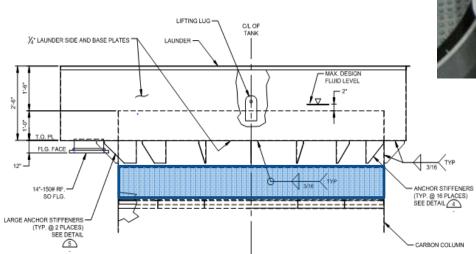
NDED VCIC Building NE View



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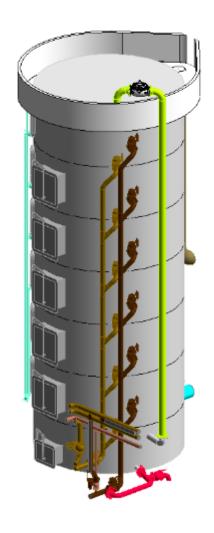


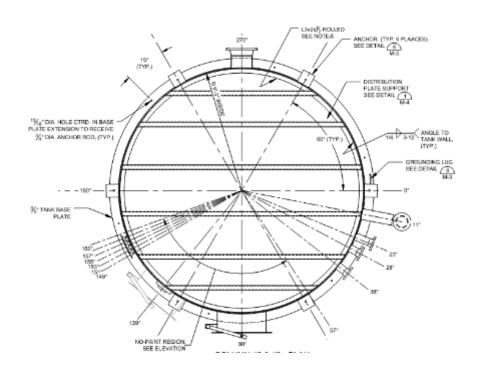




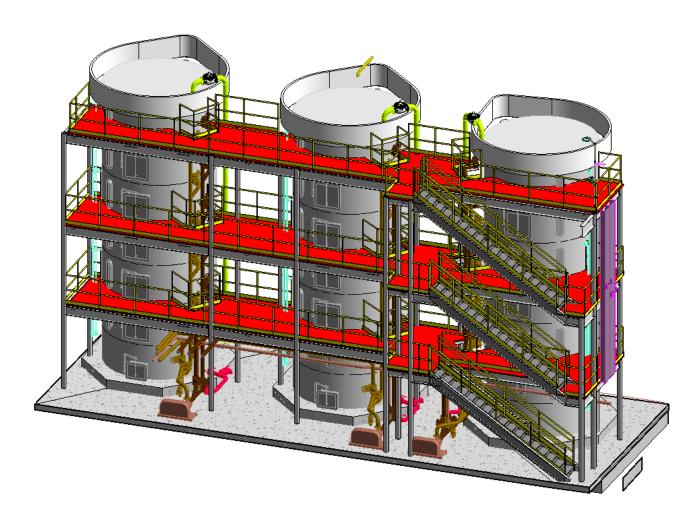






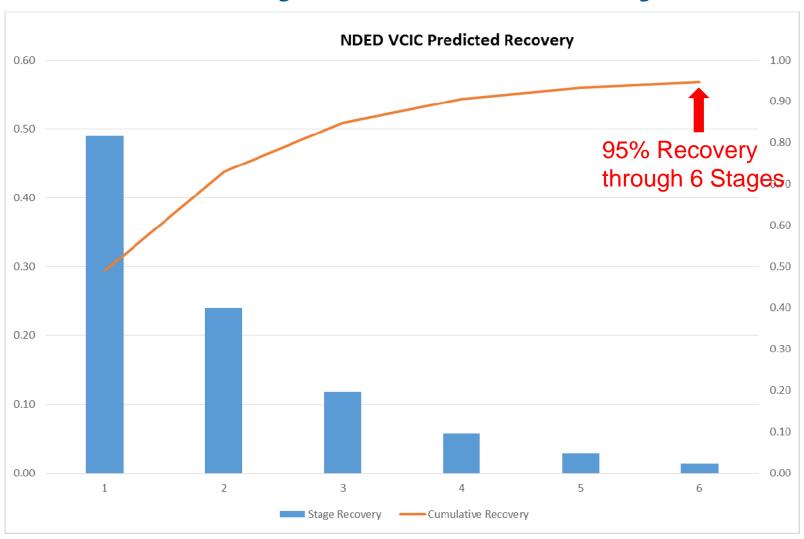








Projected Recovery





Questions?