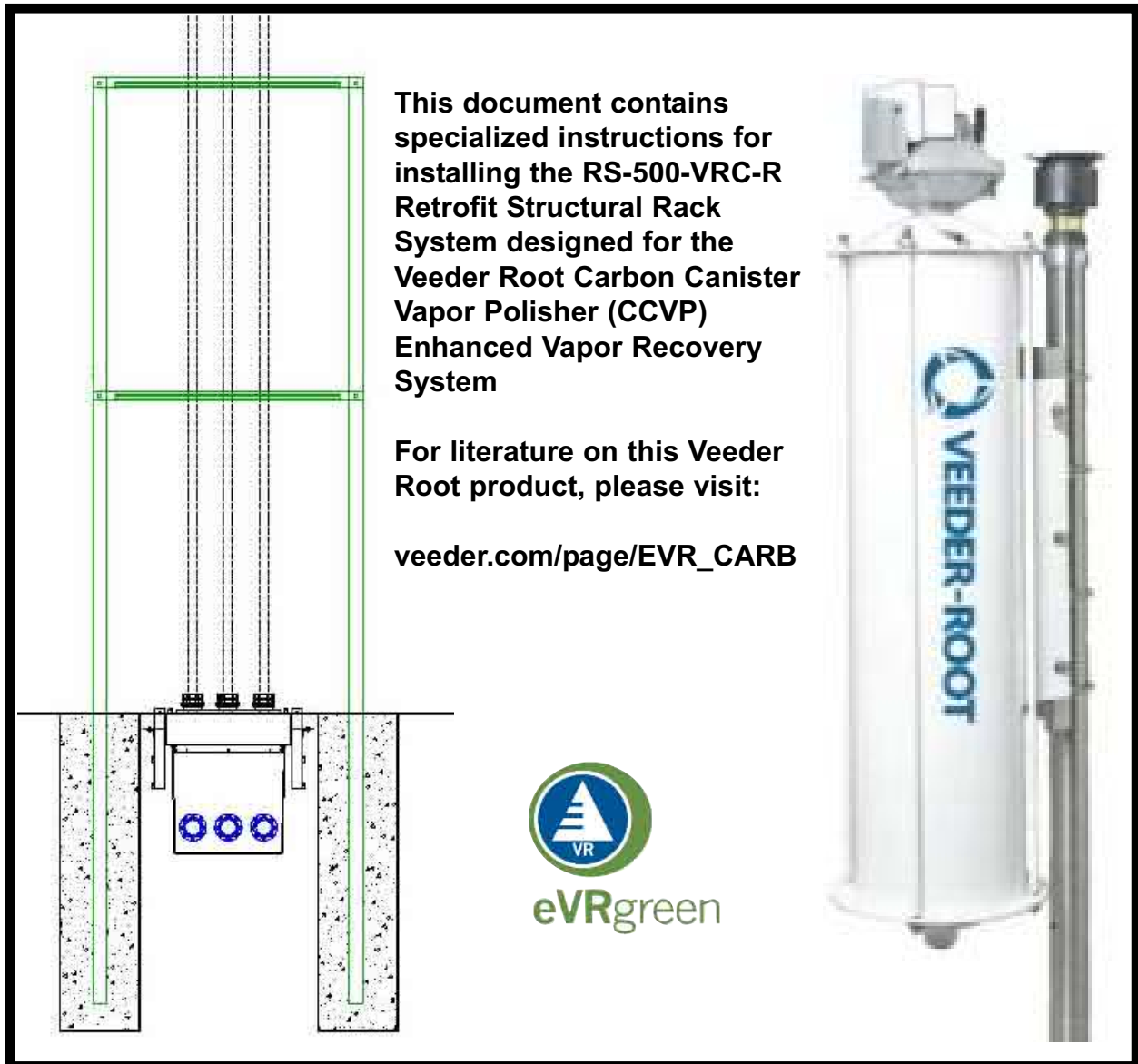


# INSTRUCTIONS FOR ABOVE GROUND RETROFIT RS-VRC-R

FOR EXISTING B500-B600 TRANSITION SUMPS

## *DETAILS RS-VRC-R INSTALLATION*



S. Bravo Systems, Inc.  
2929 Vail Ave. - Commerce, CA 90040  
(323) 888-4133 - FAX: (323) 888-4123  
Info@SBravo.com - www.SBravo.com



# NOTICE

- ***Closely adhere to all directions and warnings indicated on the product or contained in these instructions.***
- ***Warranty is void if there is any evidence of modification, abuse, tampering, negligence or improper installation.***
- ***For assistance please call Bravo for technical support at (800) 28-BRAVO. Outside the U.S.A. please call (323) 888-4133.***

## TABLE OF CONTENTS

Concrete Footing Profiles and Dimensions.....p. 3 - 4

A) Removing Existing Rack..... p. 5

B) Drilling/Coring holes for Concrete Footing..... p. 5

C) Rack Placement..... p. 5

D) Concrete Fill..... p. 5

E) Veeder CCVP Installation..... p. 6

***SAFETY FIRST! S. Bravo Systems, Inc. urges you to carefully adhere to the normal safety procedures and precautions followed by your company. Please follow the mandates and compliances decreed by OSHA, local, State and federal regulations regarding the use of this product.***

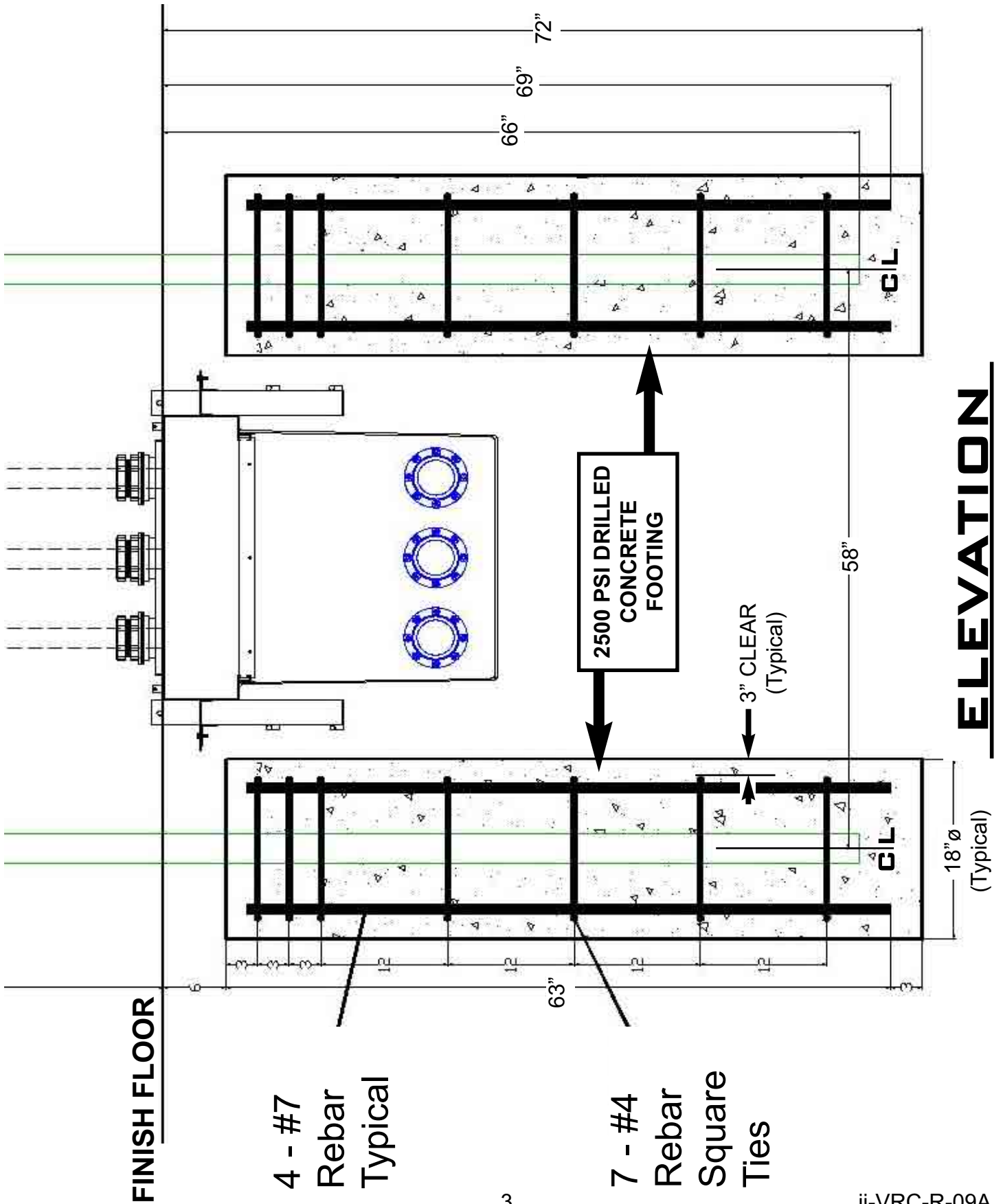
### WARRANTY

All containment systems sold by S. Bravo Systems, Inc. are warranted to be free from defects in material and workmanship for a period of one year from date of purchase. This warranty will be limited to the repair and replacement of Bravo parts only and will exclude all claims for labor or consequential damage. No other express warranties given and no affirmation of S. Bravo Systems, Inc., or its agents and/or representatives, by words or action, will constitute a warranty. IT IS EXPRESSLY AGREED THAT THIS WARRANTY WILL BE IN LIEU OF ALL WARRANTIES OF FITNESS AND IN LIEU OF THE WARRANTY OF MERCHANTABILITY.

This warranty is void if there is any evidence of modification, abuse, negligence, or improper installation. If any fittings or components, other than S. Bravo Systems approved fittings or components, are used in conjunction with any S. Bravo Systems product, the warranty pertaining to these products is immediately void.

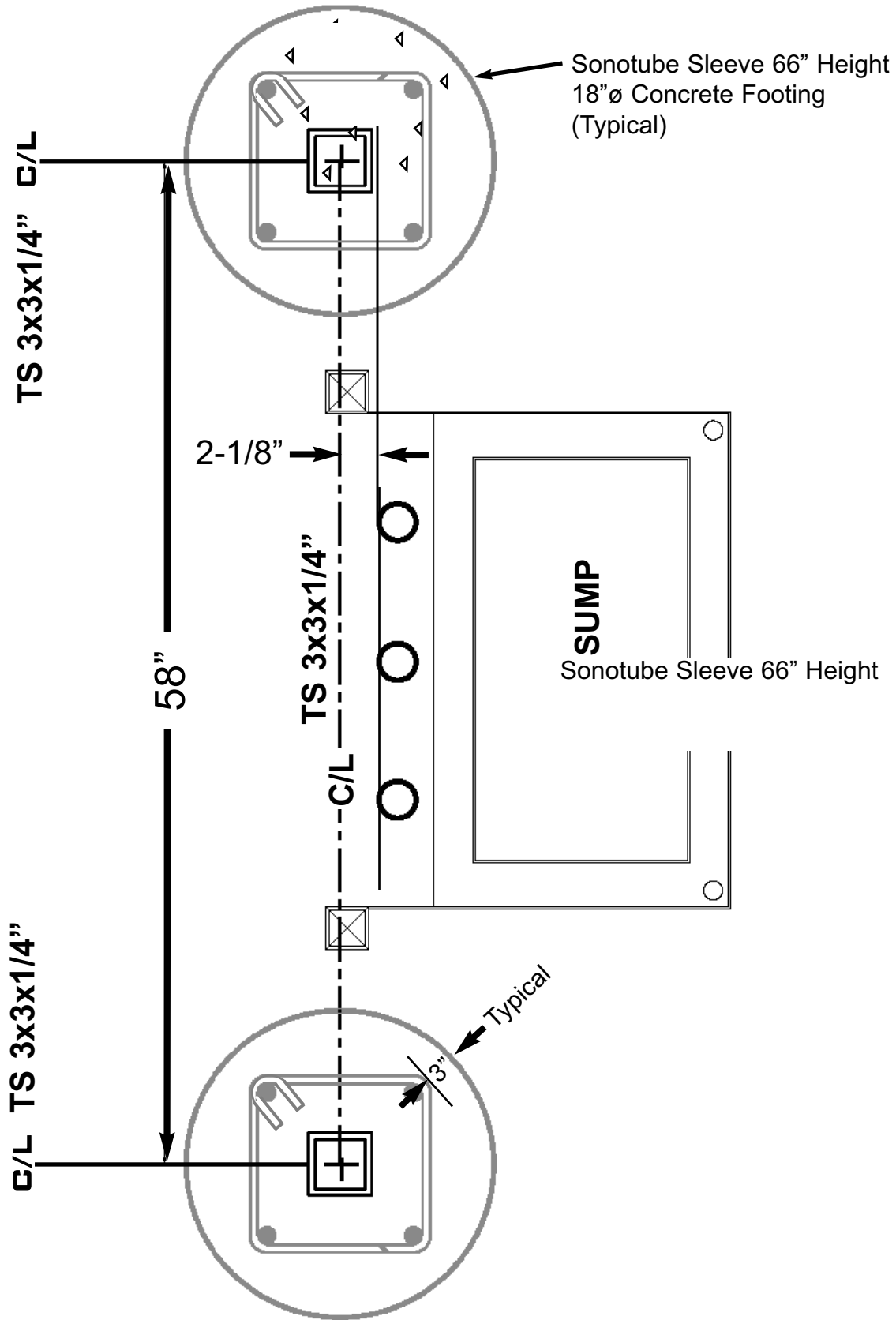
# CONCRETE FOOTING PROFILE

DETAILS ARE ON PAGE 5



# CONCRETE FOOTING TOP VIEW

DETAILS ARE ON PAGE 5



**PLAN**

## A) REMOVING EXISTING RACK

If removing existing Rack from Transition Sump, cap off rack sleeves and seal tops with Vulkem 116 (Black) Polyurethane sealant.

## B) DRILLING/CORING HOLES FOR NEW VRC RACK CONCRETE FOOTINGS and REINFORCEMENT



**DO NOT DRILL/CORE OVER OR NEAR EXISTING POWER, SEWER, WATER, GAS, DRAINAGE OR OTHER UTILITY LINES AND EXISTING STRUCTURAL FOUNDATIONS. CHECK ORIGINAL OR EXISTING SITE PLANS OR LOCAL UTILITIES**

Center and mark your penetration locations based on the dimensions shown on Page 3 & 4. The center of your penetrations should be 2-1/8" behind the 2" risers and spaced exactly 58" from center to center.

Drill / Core 18" diameter holes 6 Feet (72") deep aligned with the previous rack system location.

Insert a 18" diameter x 66" tall sonotube sleeve to the bottom of your 72" hole.

A rebar Reinforcement cage must be placed in the ground and secured to be centered within the sonotube sleeve, and suspended 3" above the bottom of the hole, approximately 69" down from the finish floor.

## C) RACK PLACEMENT

Align the new VRC rack with the existing risers and offset the centerline of the vertical TS 3x3x1/4" tubing back 2-1/8" from the backside of the risers. The VRC rack must be absolutely vertical and plumb. The new rack must be centered within the rebar reinforcement cage. Secure in place so that the rack cannot be moved during concrete fill.

## D) CONCRETE FILL

Refer to Page 3 & 4 for all concrete dimensions and specifications.

**2500 PSI** Concrete mix will then be poured to fill the entire cavity until the level has reached 6" below the finish floor. **A 6" SPACE MUST BE LEFT ABOVE THE CONCRETE FILL.**

**To match the existing finish of the concrete pad or surrounding grade, fill the 6" cavity around each post as necessary.**

# E) VEEDER CARBON CANISTER VAPOR POLISHER INSTALL

Follow Manufacturer's Installation directions.

For installation documentation on this unit, please visit: [www.veeder.com/page/evr\\_carb](http://www.veeder.com/page/evr_carb)

**E.1** - After your vent risers (piping) have been installed and securely installed to the rack, mount your CCVP bracket to the appropriate riser pipe.

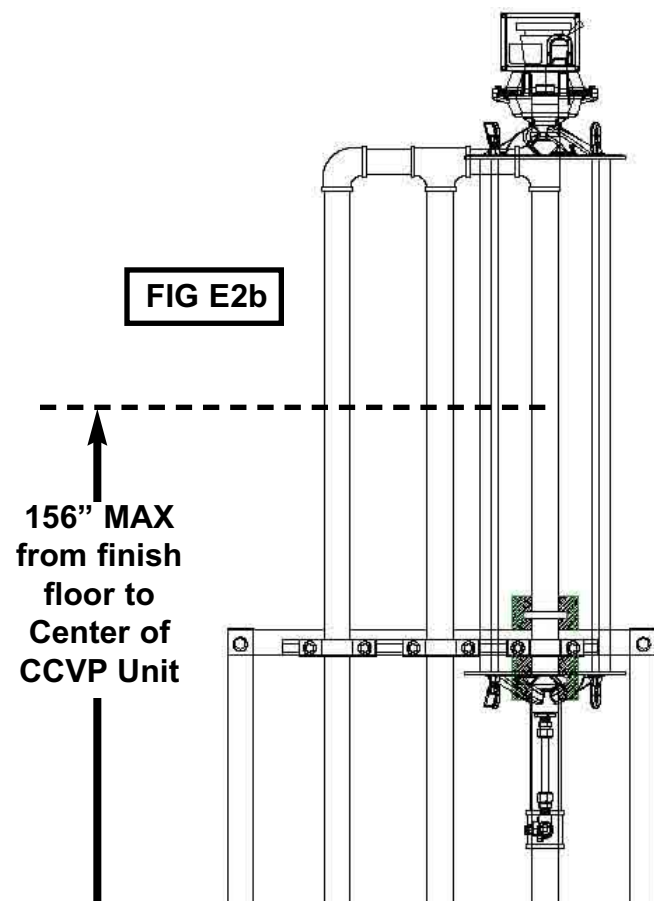
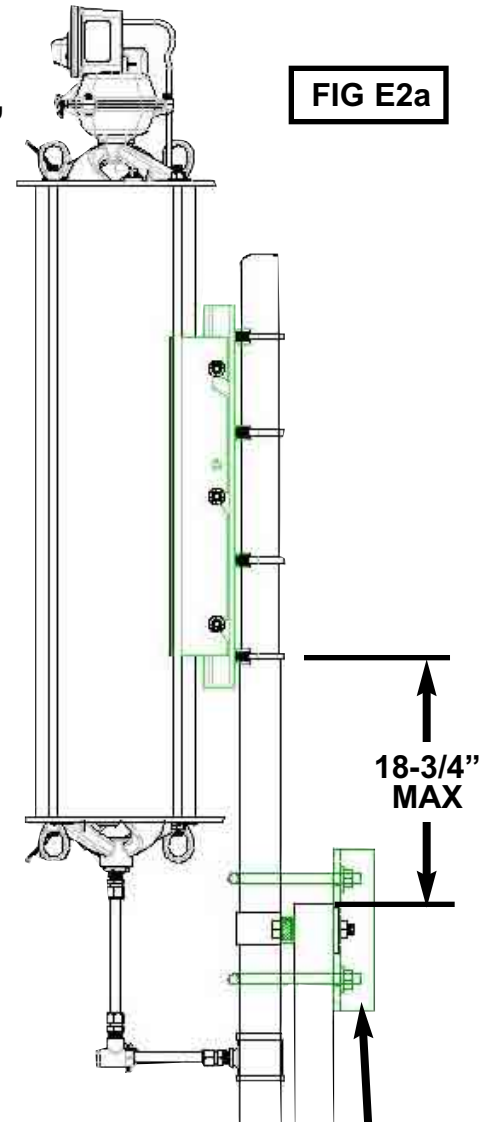
**E.2** - Two heights are critically important to this product.

**#1)** Height of lowest U-bolt on CCVP Bracket system to the top of Bravo Rack System (RS500-VRC)

This distance must not exceed 18-3/4". See Fig. E2a

**#2)** Height of CCVP Unit on the Bravo Rack System (RS500-VRC)

This distance must not exceed 156" from Finish Floor to the center of the Canister body. See Fig. E2b



## E.7 - STRUCTURAL CHANNEL

After Risers have been fastened to the C-Channel on the Cross Brace:

- 1) Hand fasten 1/2" U-Bolts to structural Channel.
- 2) Place insert into C-Channel that is attached to the Cross Brace.
- 3) Torque 1/2" U-Bolt nuts to evenly apply pressure to secure the pipe.