



## **F610 Steeplechase Water Jump with Sleeves**

**Installation Guide**  
*Read all instructions before installing!!!*

### **Excavation**

Establish the proper location for the water jump pit based on plans and specs. Excavate a pit which is approximately 18' wide by 16' long, with depth of the pit being 1'0" deep at the shallow (exit) end and 3'3" at the deep (entry) end. Consider local soil conditions to be sure that the pit provides proper sub-surface drainage before installing formwork. Prepare base according to plans and specs, generally 8" or more of granular material.

### **Assembly**

The wall form is designed to be filled with concrete, in effect, acting as a 'stay-in-place' form. Place the front panel in position inside the pit on support blocks placed under the lowest surface of the formwork. The uppermost edge of the form should be at finished grade less the thickness of the artificial track surface to be installed. Establish the final location of the pit then secure the form into position with rebar stakes driven into the sub grade alongside the form. Position the side and corner panels as per drawing "F600A ASSY" and assemble with stainless steel hardware provided. The mounting flanges on the side wall inner panels are fastened behind the ends of the front wall inner panel. When all five panels are assembled, level the entire form by shimming at the support blocks until the uppermost surface of the structure is at the proper grade, while also squaring up the assembly by measuring corner to

corner (diagonal) dimensions and adjusting until these are equal. Alternately, the five panels can be bolted together first and then placed in position on the leveling blocks inside the pit, then leveled and squared. The ground sleeves are welded in place in the front wall form. To properly orient the lower legs of the water jump barrier, there is a ½" thru bolt in the base of each sleeve. Before pouring concrete, verify these bolts are in place. The sleeves extend ½" above the form to be even with the finished track surface at this point. Proper barrier height requires ½" of track surface over the top of the finished pit walls.

### **Concrete Placement**

Place reinforcing steel or wire mesh in the pit floor. Concrete can now be placed for the entire structure in either one pour or two. Take care that concrete does not get into the sleeve tubes. Finish concrete inside the wall forms to the top of the double wall structure. If two pours are used, concrete for the floor is then placed and finished as usual. After the concrete has set hard, backfill the entire structure according to plans and specifications. Check the width of the structure before concrete sets to insure a proper dimension for the pit covers. Maintain vertical as well as horizontal squareness.

Synthetic track surfacing will be finished to the uppermost surface of the form, covering the entire wall structure, and down the sloped floor of the pit to a distance specified in the track plans.



### **F600 Steeplechase**

Set the form in the dug out area for the pit. Include panel for support for the floor. Level to finished grade, square by measuring diagonal and insert 12' supports.



Pour concrete into form and level off. Use ledges on the side walls and front wall to level off the floor.





### **F600 Steeplechase Water Jump Form**

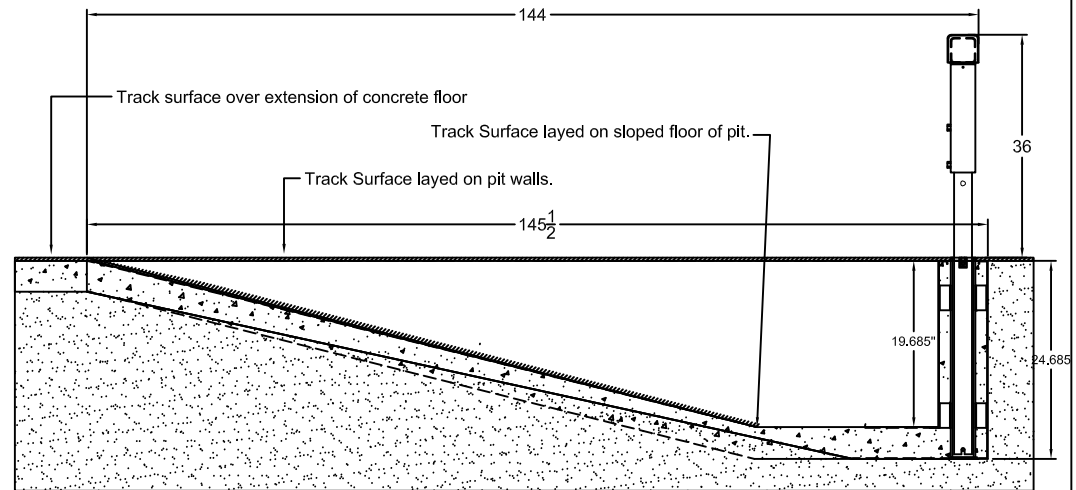
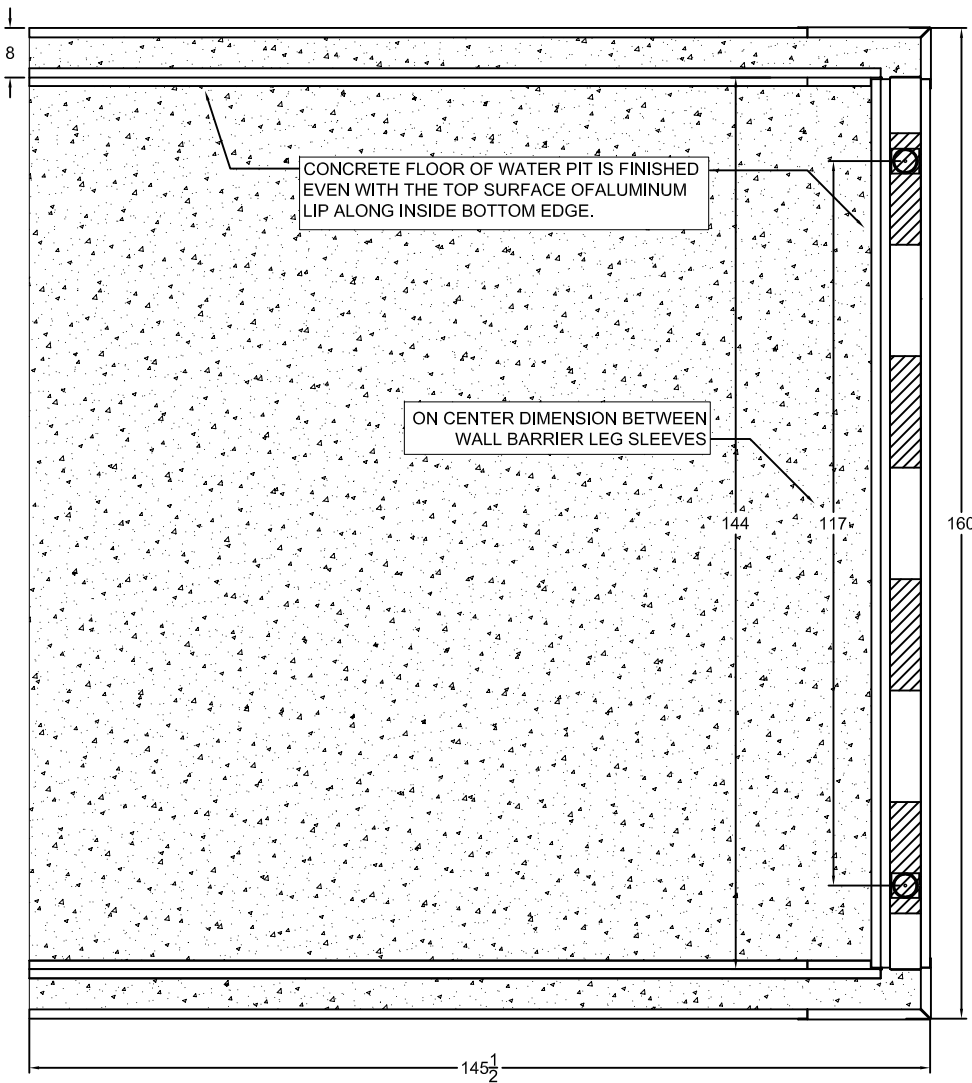
Here is a finished look at the water pit. Most of the sides and floor are covered with track surface. Please refer to track specifications and rules for surfaces to be covered with track surface material.



THIS WARNING IS GIVEN IN COMPLIANCE  
WITH CALIFORNIA'S PROPOSITION 65:

**WARNING**

This product contains chemicals known to the  
State of California to cause cancer, birth defects  
or other reproductive harm.



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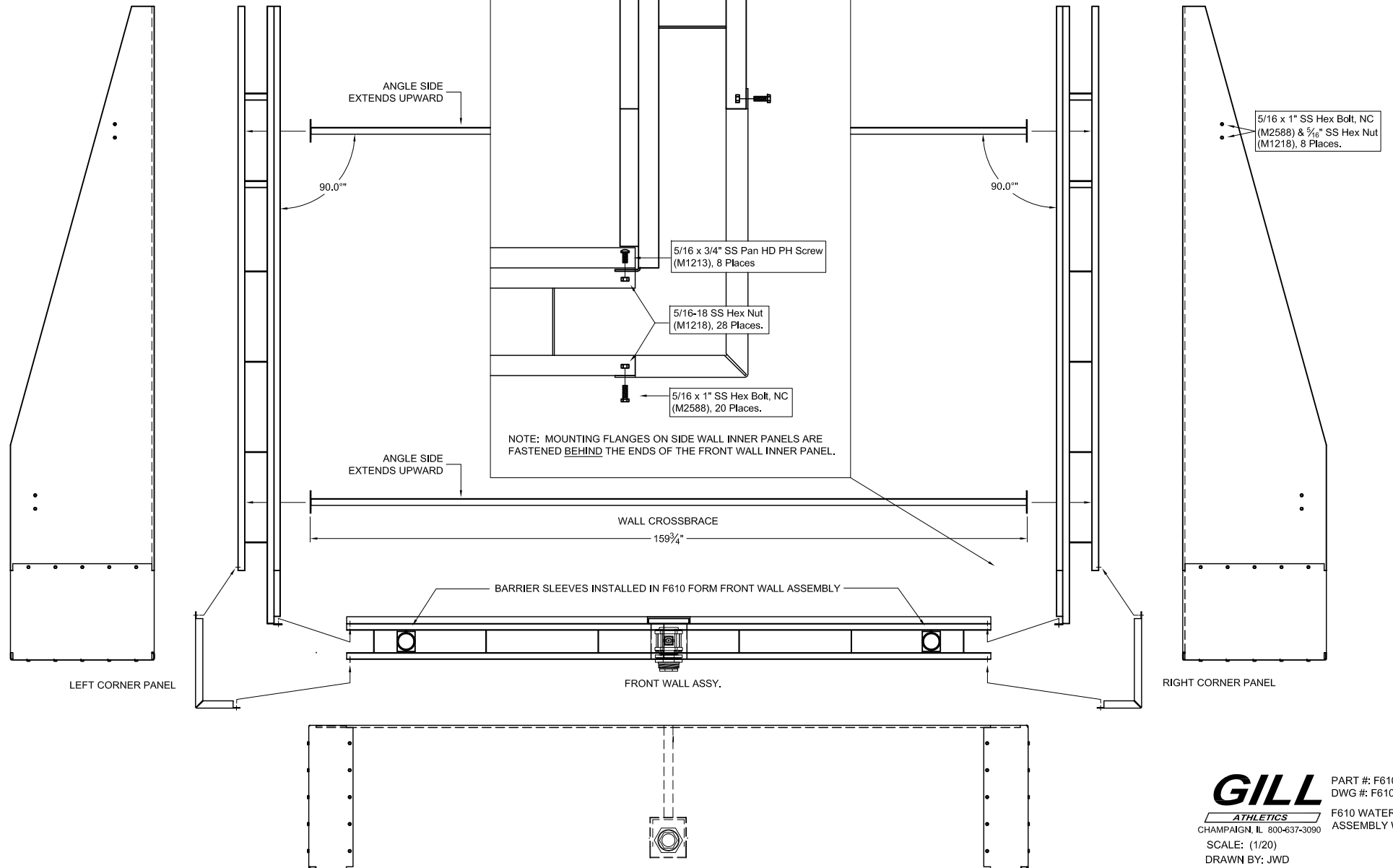
Champaign, IL 800-637-3090

PART #: F610  
DWG #: F610A Spec  
Ground Sleeve Water  
Jump Form

SCALE: (1/20)  
DRAWN BY: JWD  
DATE:

LEFT SIDEWALL ASSY.

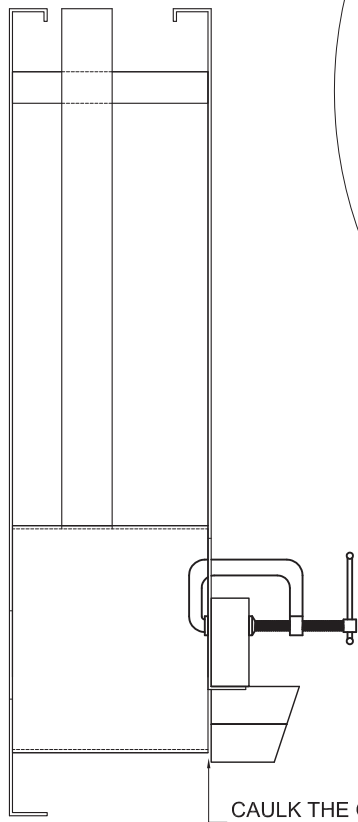
RIGHT SIDEWALL ASSY.



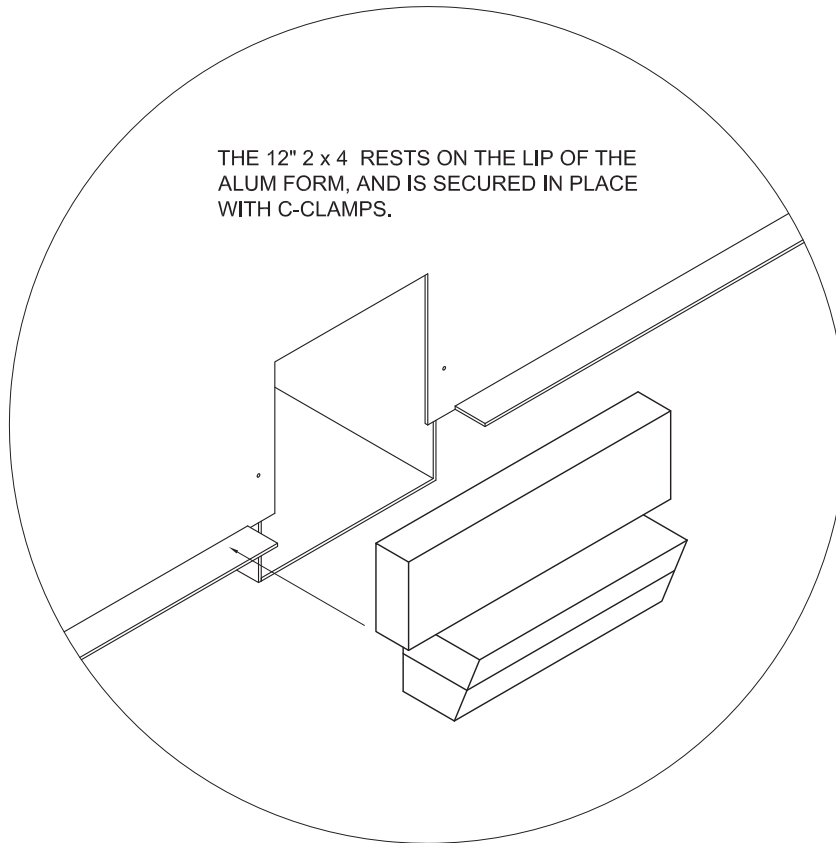
**GILL**  
ATHLETICS  
CHAMPAIGN, IL 800-637-3090

PART #: F610  
DWG #: F610A ASSY  
F610 WATER JUMP FORM  
ASSEMBLY W/SLEEVES

SCALE: (1/20)  
DRAWN BY: JWD  
DATE: 04/07/08



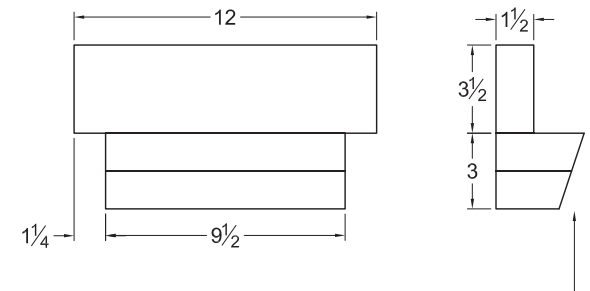
CAULK THE GAPS BETWEEN  
THE WOOD AND VALVE BOX



THE 12" 2 x 4 RESTS ON THE LIP OF THE  
ALUM FORM, AND IS SECURED IN PLACE  
WITH C-CLAMPS.

2 x 4's SCREWED TOGETHER TO MAKE  
REMOVABLE "BOX OUT" FOR THE ACCESS PANEL.

USE #6 x 2" LONG WOOD SCREWS,  
TO ASSEMBLE 2 x 4'S.



BEVEL LEADING FRONT FACE TO FACILITATE  
REMOVAL AFTER CONCRETE HAS SET. SIDES  
MUST REMAIN NEARLY VERTICAL TO PROVIDE  
GOOD CLEARANCE FOR DRAIN GRATE

REVISIONS	

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SCALE: 1/5

DRAWN BY: JWD

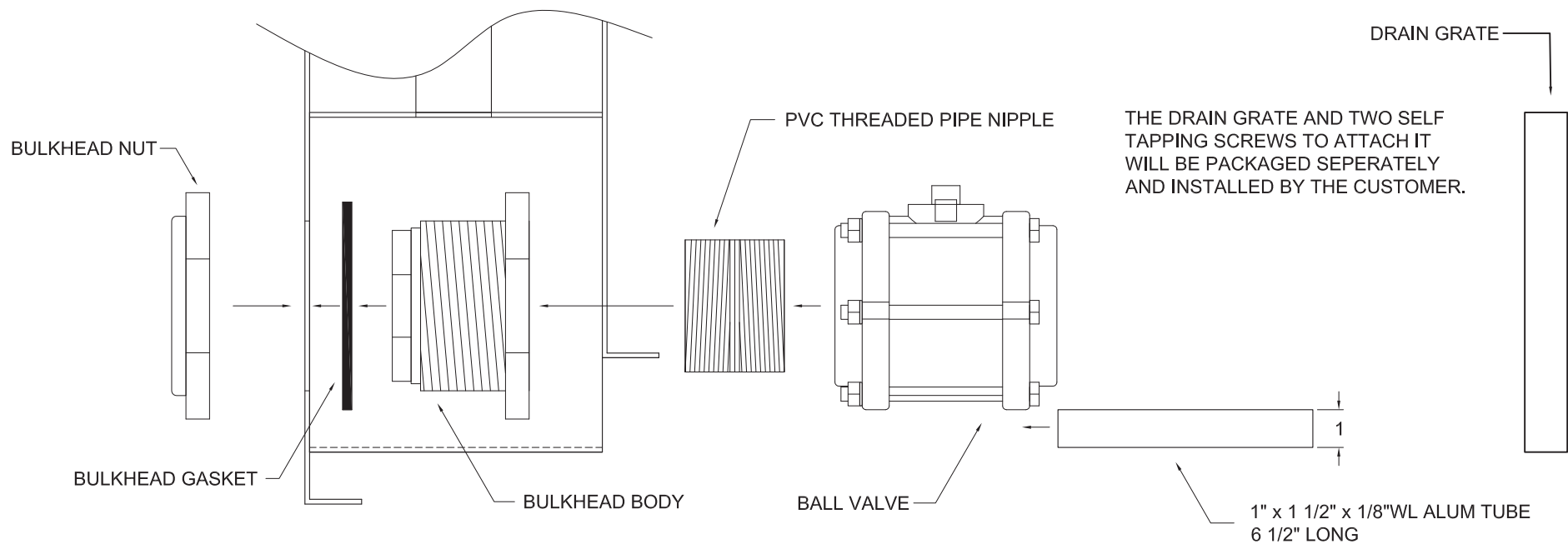
DATE: 04/07/08

PART #: F50050  
DWG #: F50050 Inst 1  
SC WJ FORM W/ VALVE OPTION  
2 x 4 BOX OUT

R & D:

PROD:

PURCH:



THE BULKHEAD IS TO BE INSTALLED IN THE OUTSIDE WALL (F50011-50) THROUGH THE Ø 4 1/2" HOLE WITH THE BODY AND GASKET PORTIONS INSIDE THE VALVE BOX AND THE NUT ON THE OUTSIDE. THE BULKHEAD SHALL BE PROPERLY TIGHTENED.

THREAD THE NIPPLE INTO THE BULKHEAD AND THE VALVE ONTO THE NIPPLE. THE VALVE'S FINAL ORIENTATION SHOULD BE SUCH THAT THE BOLT FACES DIRECTLY UP THE 2" SQUARE ALUM SHAFT. CHECK FOR ALIGNMENT BY LOOKING DOWN THROUGH THE 2" SQ ALUM SHAFT.

SLIDE THE 1" x 1 1/2" ALUM TUBE UNDER THE VALVE.

M740  
POLYPROPYLENE BOLTED-BODY BALL VALVE,  
STANDARD PORT, 3" NPT FEMALE CONNECTION  
9771K36

M746  
DRAIN GRATE, 9" x 9" x 1 1/8", BLACK  
NDS 980

M744  
PVC SCH 80 THREADED PIPE NIPPLE, 3" PIPE  
SIZE x 2-5/8" LENGTH, FULLY THREADED  
4882K19

M985  
1" x 1 1/2" x 1/8"WL ALUM TUBE, 6 3/4" LONG

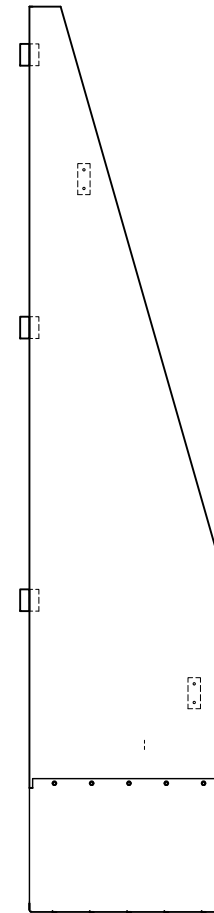
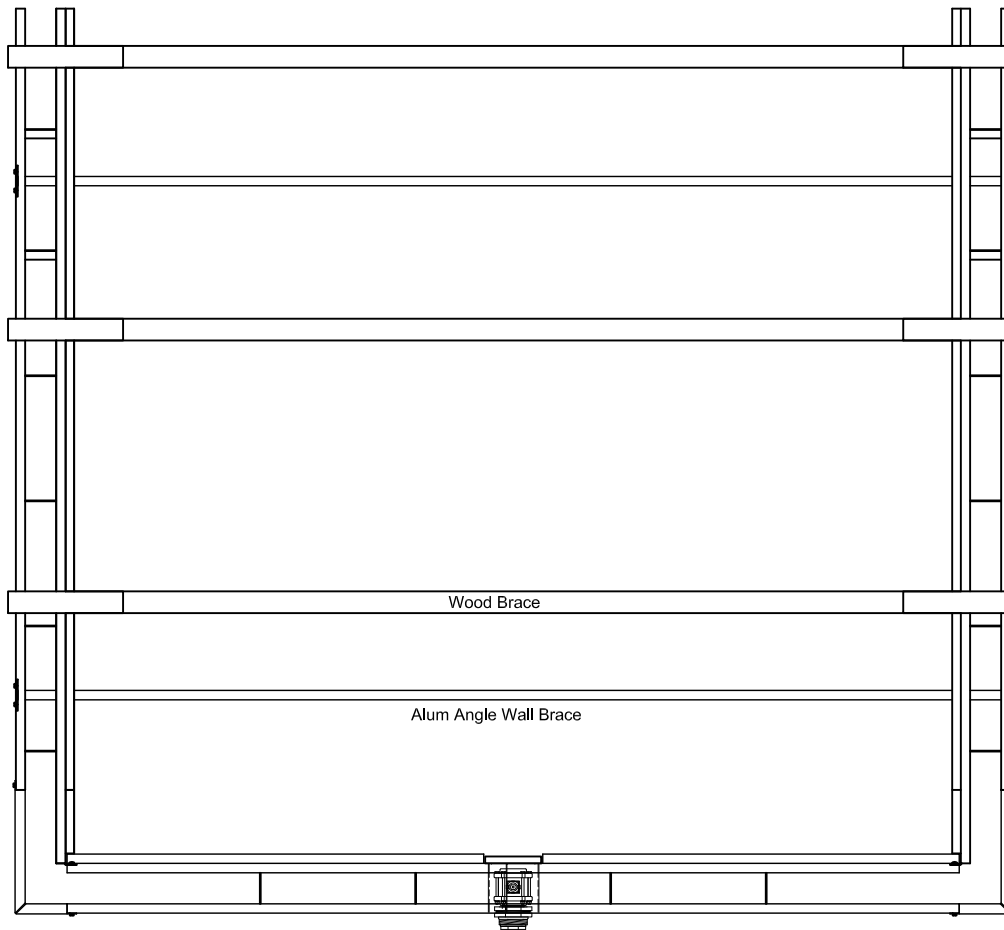
M745  
BULKHEAD FITTING, PVC, FEMALE  
NPT x FEMALE NPT, 3" PIPE SIZE  
36895K127

M22271  
410 SS FL HD PHILLIPS SELF DRILLING SCREW  
8-18 THREAD, 1 1/4" LENGTH, DRILL POINT #2  
94195A150

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PART #: F50050  
DWG #: F50050 Inst 2  
SC WJ FORM W/ VALVE OPTION  
VALAVE INSTALLATION

SCALE: 1/3  
DRAWN BY: CEB  
DATE: 09/13/05



Fasten the short pieces of wood to the ends of the long pieces as shown (screws are not provided).

Before and during the concrete pour, ensure that the distance between the inside walls is 12 feet apart at all points. Deviations of more than  $\frac{1}{4}$ " may cause problems fitting pit covers.

Use the provided bracing.

Install the angle wall cross braces below the "floor" of the steeplechase pit.

Use the wood braces across the top of the forms.

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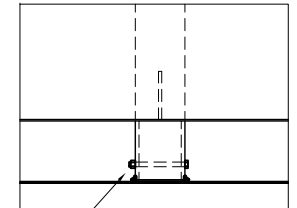
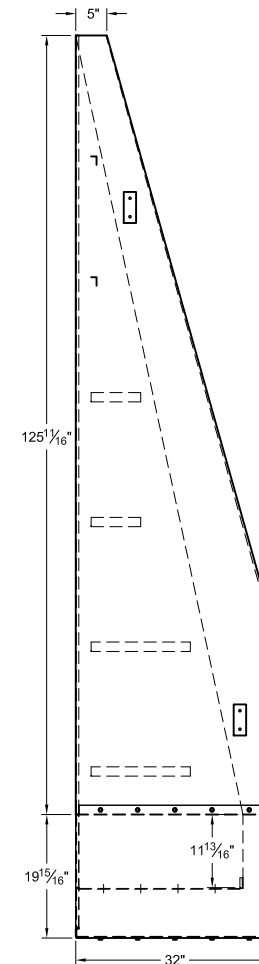
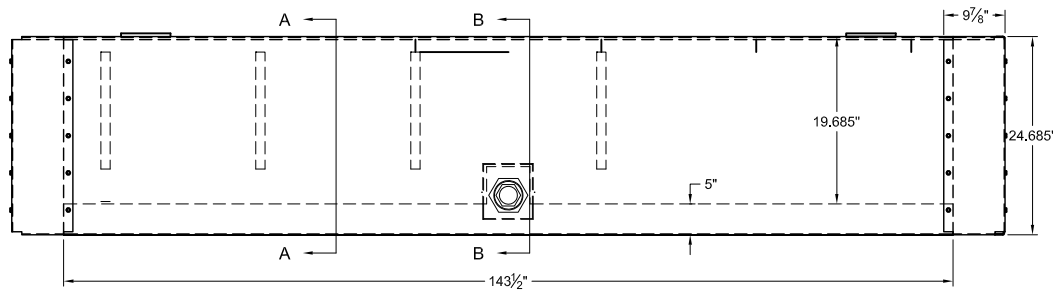
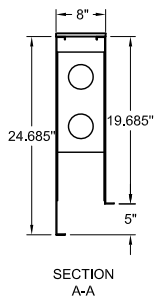
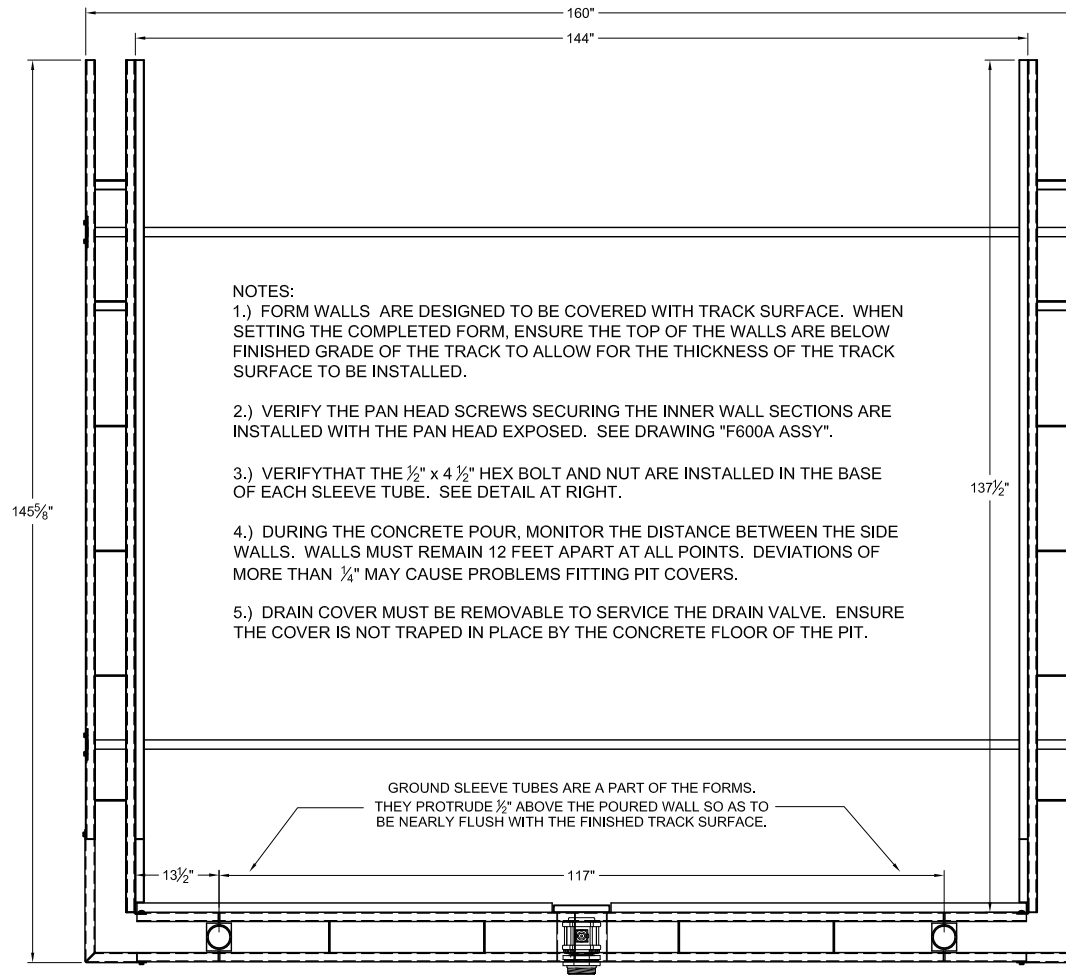
CHAMPAIGN, IL 800-637-3090

PART #: F610 & F600  
DWG #: F610-bracing

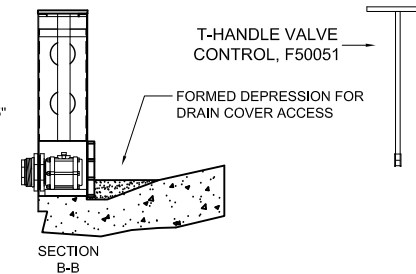
STEEPLE CHASE FORMS  
BRACING

SCALE: (1/20)  
DRAWN BY:  
DATE: 05-07-2021





VERIFY 1/2" x 4 1/2" HEX BOLT (M2270) & NUT (M2233) ARE INSTALLED IN BASE OF SLEEVES.



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PART #: F610A50  
DWG #: F610A50

F610A50 SLEEVED FORM  
WITH VALVE OPTION

SCALE: (1/20)  
DRAWN BY:  
DATE: 05/07/21



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## STEEPLE CHASE WATER JUMP PVC GROUND SLEEVE BUSHING

### Instructions for installing Steeplechase lower legs into Water Jump Form ground sleeves.

