



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

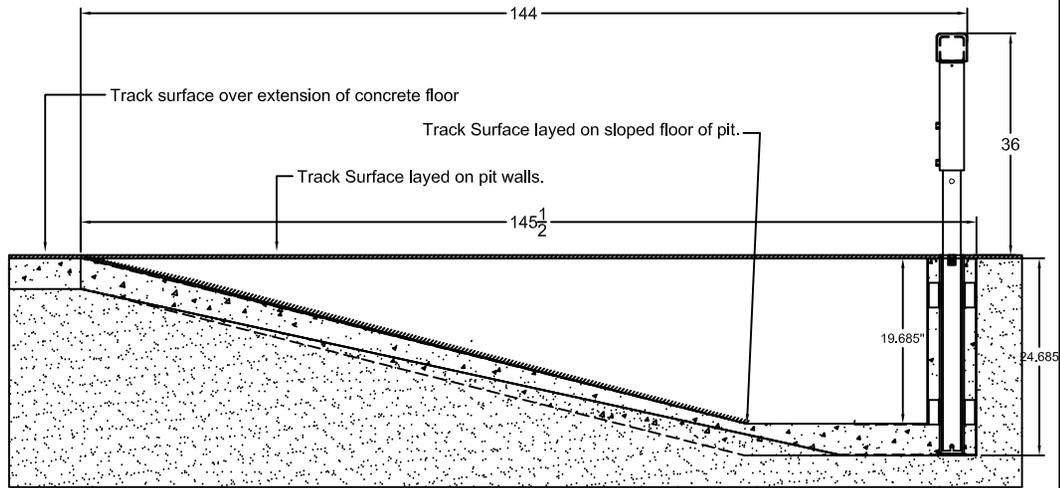
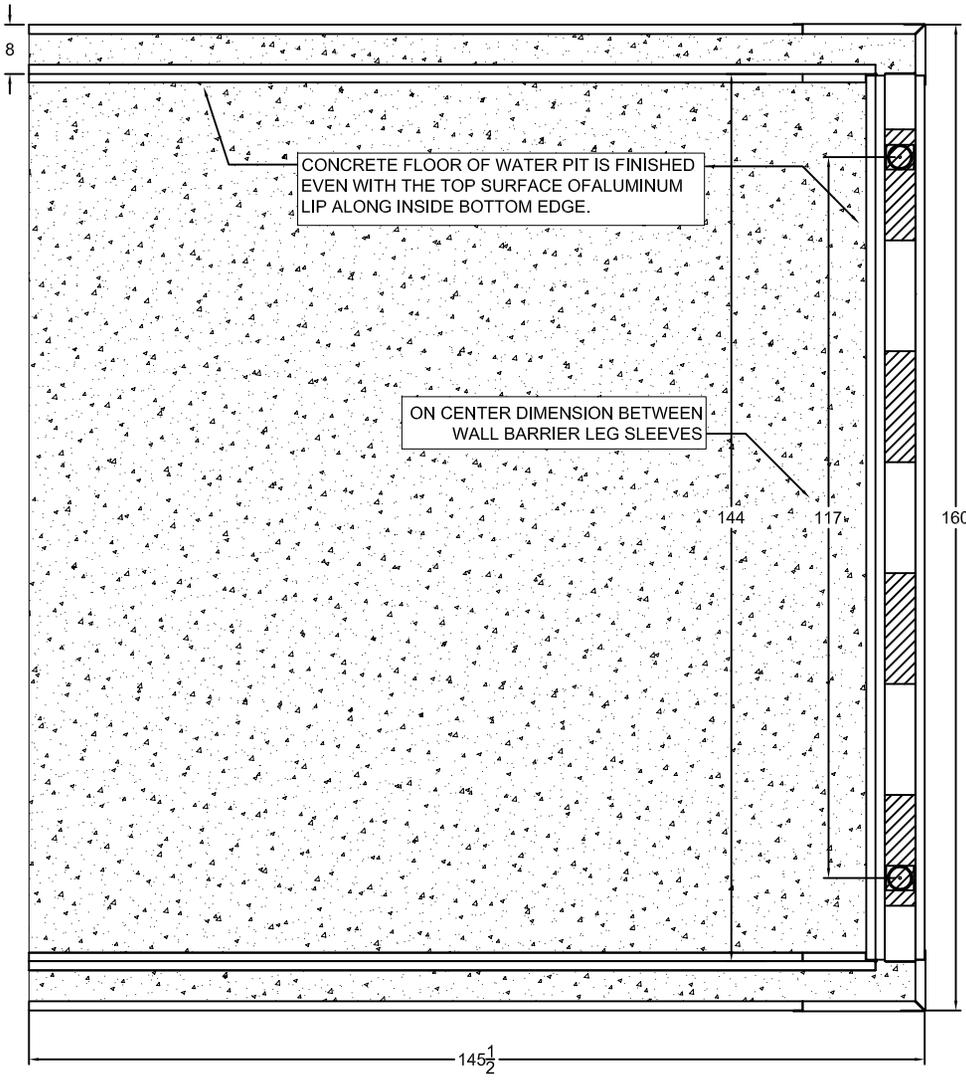
Here is a finished look at the water pit. Most of the sides and floor are covered with track surface. Please refer to track specifications and rules for surfaces to be covered with track surface material.



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

WARNING

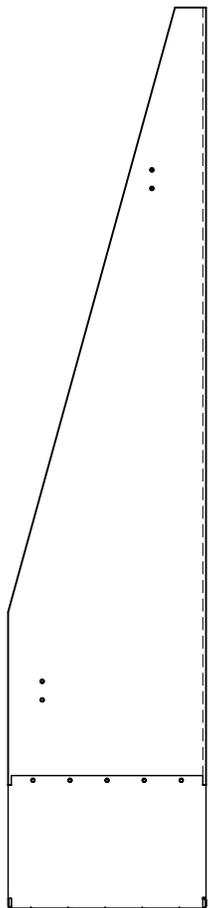
This product contains chemicals known to the
State of California to cause cancer, birth defects
or other reproductive harm.



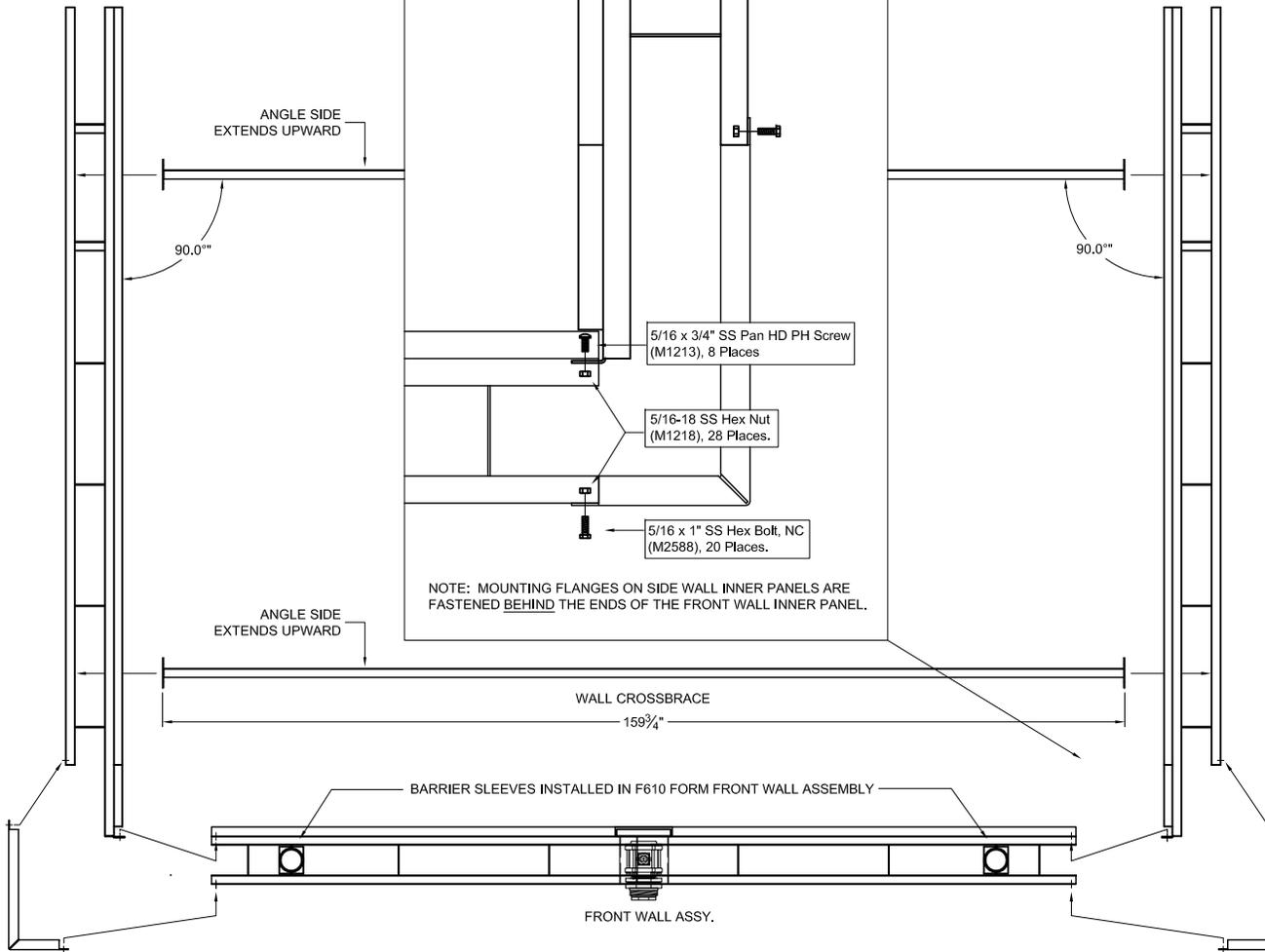
GILL PART #: F610
 ATHLETICS DWG #: F610A Spec
 Champaign, IL 800-637-3090 Ground Sleeve Water
 Jump Form
 SCALE: (1/20)
 DRAWN BY: JWD
 DATE:

LEFT SIDEWALL ASSY.

RIGHT SIDEWALL ASSY.



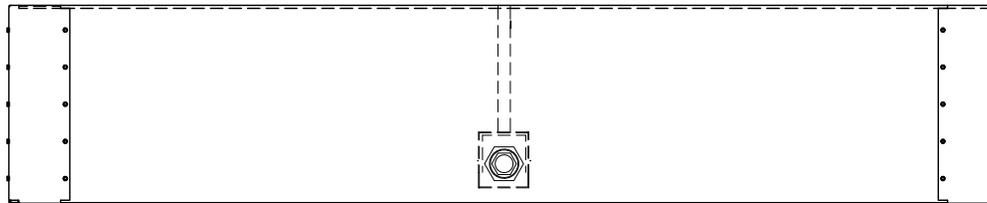
LEFT CORNER PANEL



WALL CROSSBRACE
159 3/4"

BARRIER SLEEVES INSTALLED IN F610 FORM FRONT WALL ASSEMBLY

FRONT WALL ASSY.



ANGLE SIDE
EXTENDS UPWARD

90.0"

ANGLE SIDE
EXTENDS UPWARD

5/16 x 3/4" SS Pan HD PH Screw
(M1213), 8 Places

5/16-18 SS Hex Nut
(M1218), 28 Places.

5/16 x 1" SS Hex Bolt, NC
(M2588), 20 Places.

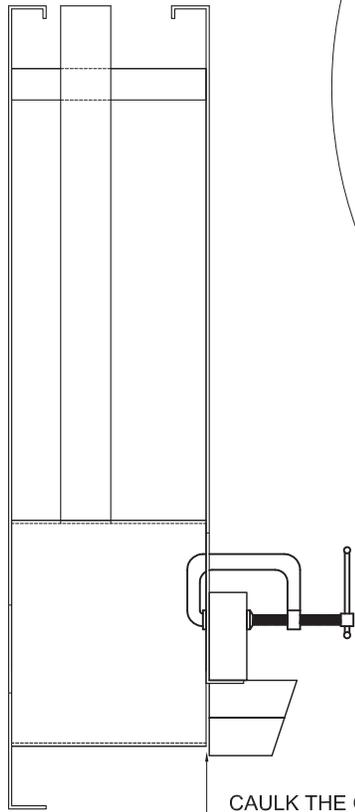
NOTE: MOUNTING FLANGES ON SIDE WALL INNER PANELS ARE
FASTENED BEHIND THE ENDS OF THE FRONT WALL INNER PANEL.

5/16 x 1" SS Hex Bolt, NC
(M2588) & 5/16" SS Hex Nut
(M1218), 8 Places.

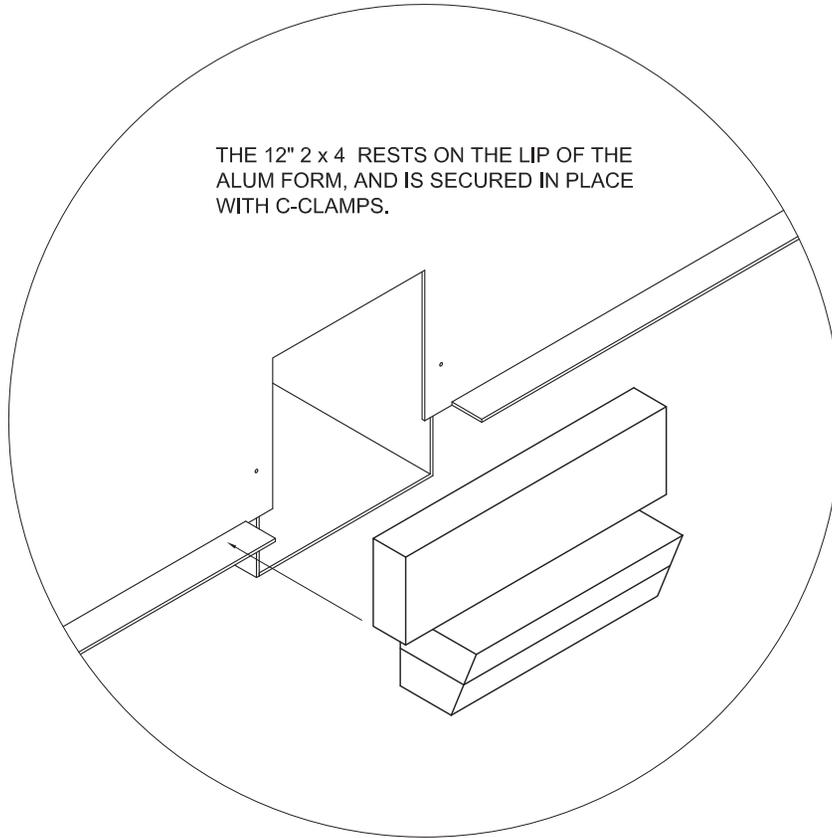
90.0"

RIGHT CORNER PANEL

GILL PART #: F610
 ATHLETICS DWG #: F610A ASSY
 CHAMPAIGN, IL 800-637-3090 F610 WATER JUMP FORM
 ASSEMBLY W/SLEEVES
 SCALE: (1/20)
 DRAWN BY: JWD
 DATE: 04/07/08



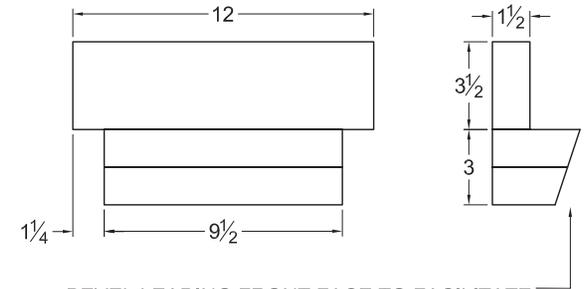
CAULK THE GAPS BETWEEN THE WOOD AND VALVE BOX



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

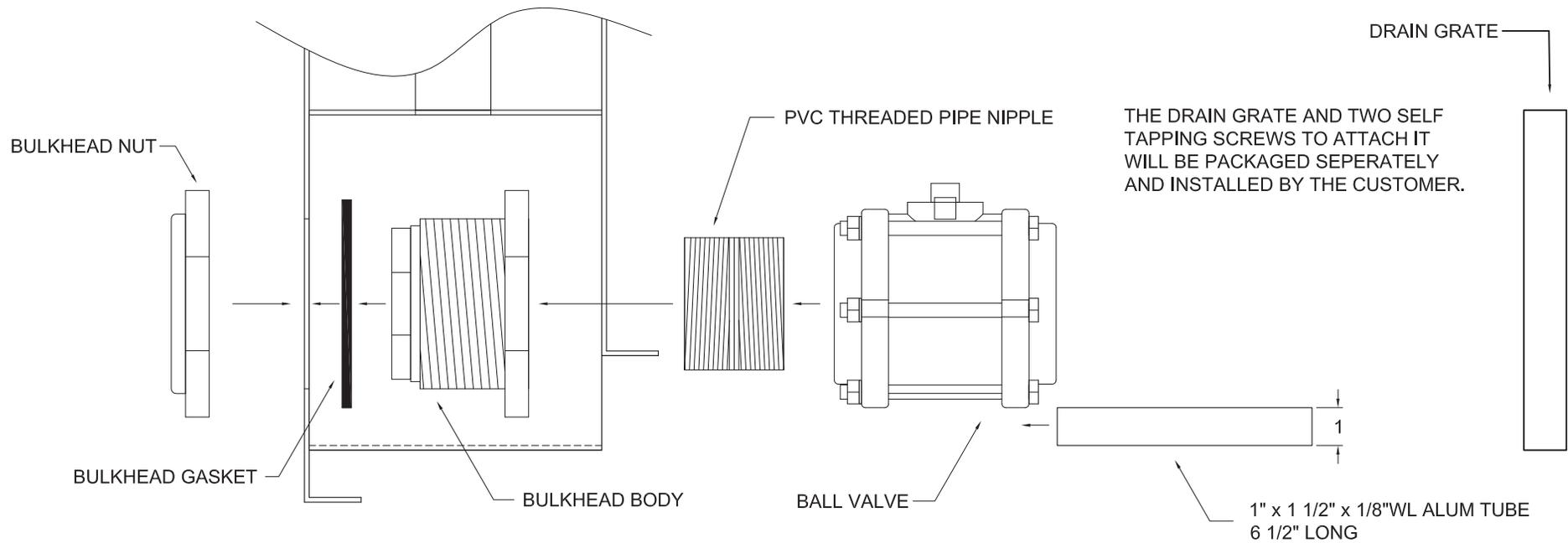
REVISIONS	

GILL
ATHLETICS

CHAMPAIGN, IL 800-637-3090

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

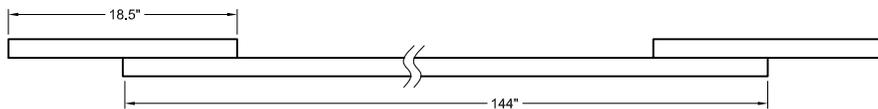
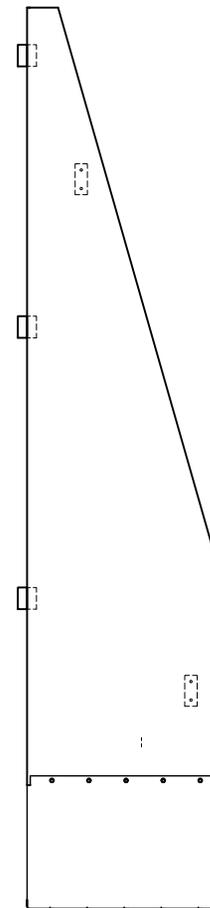
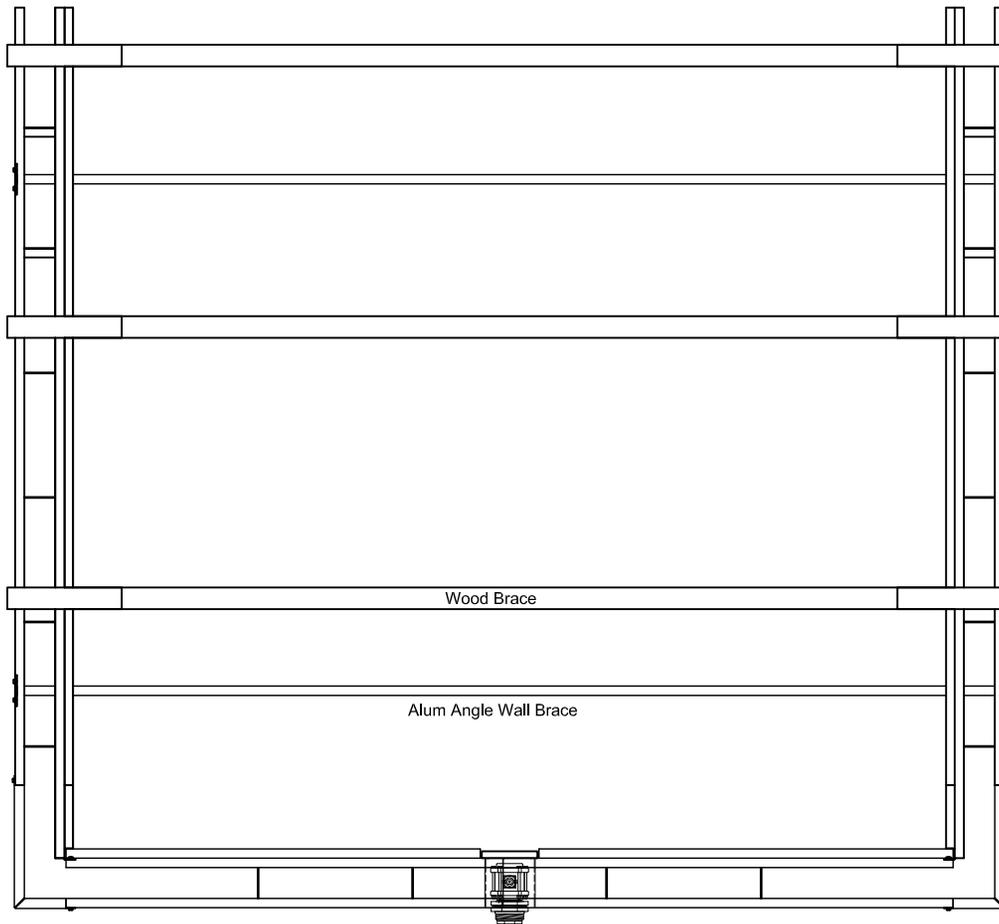
M745
BULKHEAD FITTING, PVC, FEMALE
NPT x FEMALE NPT, 3" PIPE SIZE
36895K127

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.

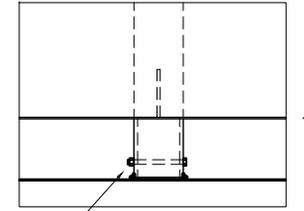
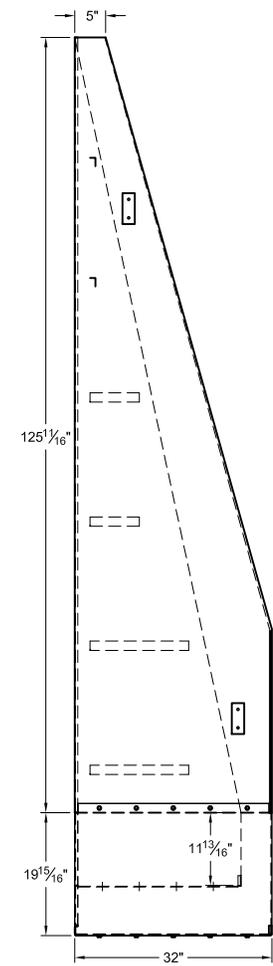
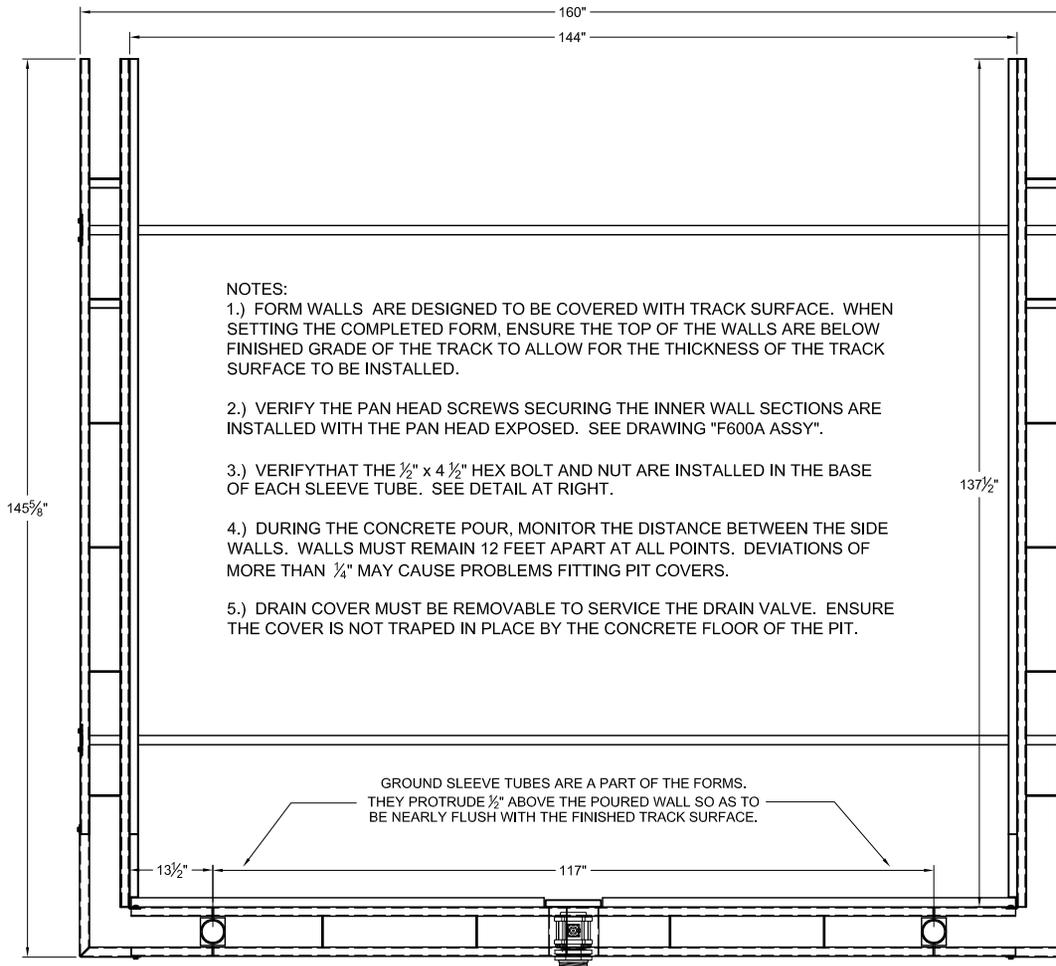
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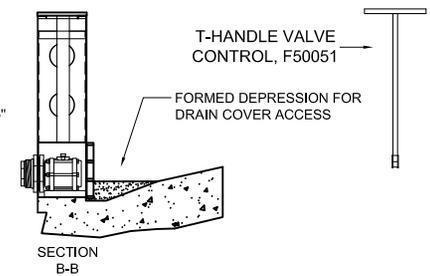
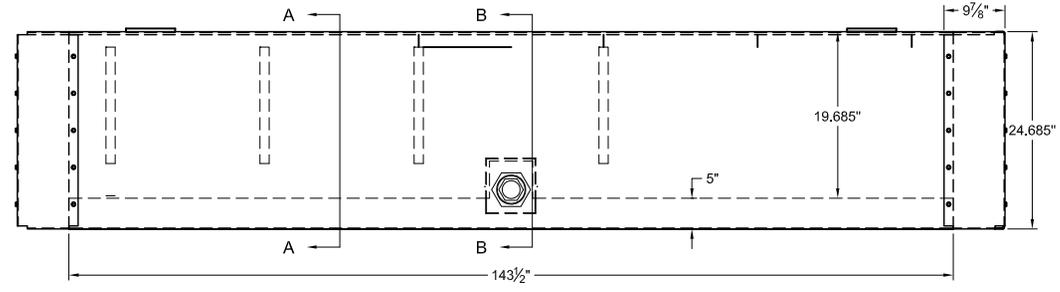
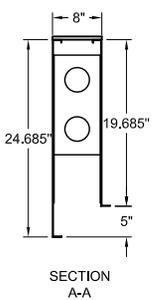
PART #: F610 & F600
DWG #: F610-bracing

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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CHAMPAIGN, IL 800-637-3090

PART #: F610A50
 DWG #: F610A50

F610A50 SLEEVED FORM WITH VALVE OPTION

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



www.gillathletics.com
800-637-3090

STEEPLE CHASE WATER JUMP PVC GROUND SLEEVE BUSHING

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



1. Remove the bolt from the bottom of the PVC ground sleeves provided with the Steeplechase Barrier. Cut an inch off the bottom of the PVC ground sleeves .

Steeple Chase Barrier lower leg

PVC ground sleeve bushing



2. Drop the PVC ground sleeve bushing into the opening of the water jump form ground sleeve. Rotate the bushing so that the slots are parallel with the edge of the water jump.

3. Slowly slide the steeple chase barrier lower leg into the PVC ground sleeve bushing. The slot at the bottom of the leg should index on the bolt at the bottom of the water jump form ground sleeve, and the pin in the leg should nest in the slots in the PVC bushing.

Water jump form
ground sleeve opening