



WEAVER CONSTRUCTION MANAGEMENT, INC.
 3679 S. Huron St., Suite 404
 Englewood, CO 80110
 Phone: (303) 789-4111 FAX: (303) 789-4310

SUBMITTAL TRANSMITTAL

November 7, 2011

WGC Submittal No: 15400-001.A

PROJECT: **Harold Thompson Regional WRF**
 Birdsall Rd.
 Fountain, CO 80817
 Job No. 2908

ENGINEER: **GMS, Inc.**
 611 No. Weber St., #300
 Colorado Springs, CO 80903
 719-475-2935 Roger Sams

OWNER: **Lower Fountain Metropolitan
 Sewage Disposal District**
 901 S. Santa Fe Ave.
 Fountain, CO 80817
 719-382-5303 James Heckman

CONTRACTOR: **Always Plumbing & Heating**
 P.O. Box 25215
 Colorado Springs, Colorado 80936
 719-532-1344 Ed Buss
 info@alwaysph.com

SUBJECT: Resubmittal of Floor Drains for Head Works Building - Submittal review comments letter and product data

SPEC SECTION: 15400 - Plumbing 15400.2.1.D Floor Drain

PREVIOUS SUBMISSION DATES: None

DEVIATIONS FROM SPEC: ___ YES X NO

CONTRACTOR'S STAMP: This submittal has been reviewed by Weaver General Construction and approved with respect to the means, methods, techniques, & safety precautions & programs incidental thereto. Weaver General Construction also warrants that this submittal complies with contracted documents and comprises on deviations thereto:

Contractor's Stamp:

Date: 11/07/11
 Reviewed by: H.C. Myers
 (X) Reviewed Without Comments
 () Reviewed With Comments

Engineer's Stamp:

**ENGINEER'S
 COMMENTS:** _____



Project: HDTWRF Project

Location: Fountain, CO

Supplier: Always Plumbing

Date: 11/4/11

Submittal Review Comments 15400-1.A

1.a. The 6-inch pipe size floor drain has a grate diameter of 12 ½ - inches. This drain is identified as 12" on Sheet HW20 at the bottom of the steps on the Pump Level.

3. The original submittal did include 8-inch and 12-inch floor drains. The product data provided in the original submittal (attached again) includes information for a 8-inch floor drain (actual grating diameter) to accommodate a 4-inch pipe, and we included a 12-inch floor drain (actual grating diameter) to accommodate a 6-inch pipe.



ALWAYS PLUMBING & HEATING, INC
PO BOX 25215
COLORADO SPRINGS, CO 80936
PHONE/FAX (719) 532-1344

FROM: Ed Buss
Always Plumbing
PO BOX 25215
Colorado Springs 80936

Re-submittal for 15400-001
Date: Nov 2 2011
Project Title: Harold Thompson Headworks Building Floor Drains
Project #: 9103
Original Submittal Date: October 19,2011
Specification Section: 15400
Manufacturer: Watts

TO: Wes Weaver
John Jacob
Jeff Burst
Weaver Construction Management Inc.

SUBJECT:

- 1) DESCRIPTION: Headworks 4ö & 6ö drain pipe size Floor Drain Submittal
- 2) SPEC REF: Headworks Building sheet HW20, 8ö and 12ö floor drain per drawings
- 3) DWG REF: Headworks Building Drain and Vent plan HW20

DESCRIPTION:

Your prompt review and response is requested by: _____

Signed: _____

Please call me with any questions.

REPLY: __ In reference to the Oct 25 letter

From David R Frisch, P.L.S. From GMS, INC. to submit on the sizes of 8ö and 12ö floor drains as shown on the drawings. _When I submitted the drains from the HW20 plans sheet I submitted drains that had a top cross sectional surface / sump inlet surface (8ö & 12ö) the size as designated on the plans. The plumbing drain pipe size that the floor drains would need to connect to is 4ö and 6ö. That is what I thought was intended.

Are the floor drains to be sized as 8ö with reducers and reduced down to connect to the 4ö drain pipe and the 12ö floor drain with reducers to reduce down to connect to the 6ö drain pipe? The receiver surface inlet of the floor drains I submitted on are twice the size of the connecting drain pipes. If we increase the size of the floor drain itself, what size do you want the inlet receivers to be? These types of products are usually ordered by connecting pipe size first, type of material and type and size of drain top/with the type of finish.

Signed: Ed Buss

Date: 11-2-11

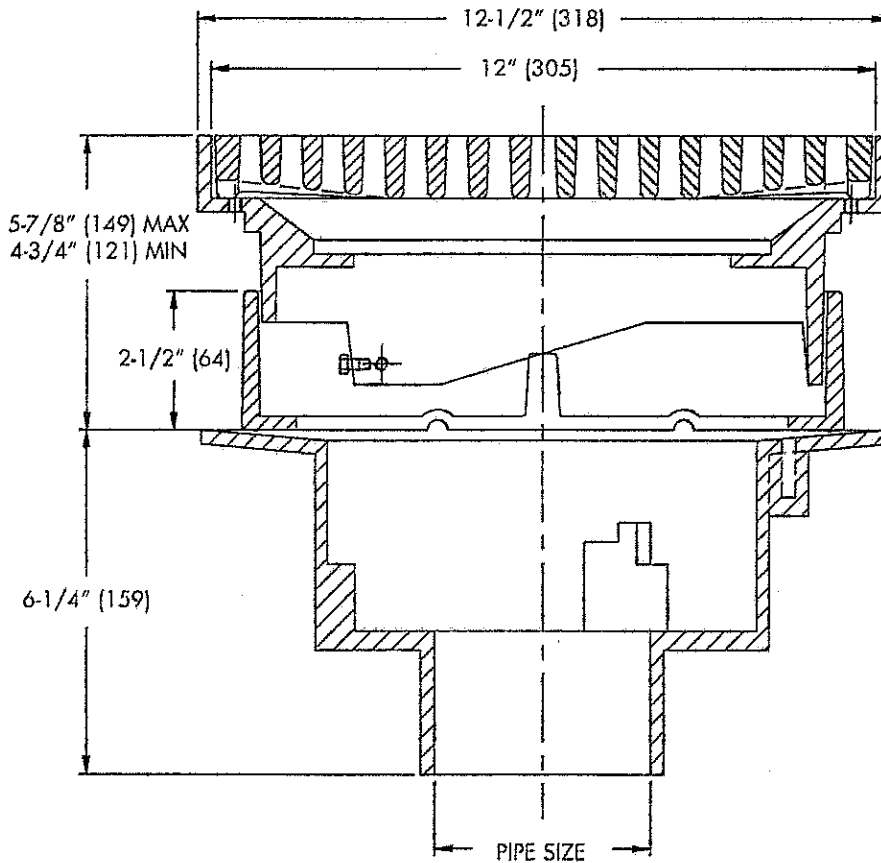


FD-340

Tag: _____

Area Drain with
12" Adjustable Top

SPECIFICATION: Watts Drainage FD-340 epoxy coated cast iron area drain with anchor flange, body collar with weepholes, 12-1/2" (318) diameter adjustable top with ductile iron grate, and no hub (standard) outlet.



Load Rating & Free Area

Load Rating	Free Area Sq. In.
*XHD	37

* The load classifications are in accordance with the American National Standards ASME A112.21.1M. ASME Ratings are as follows:
XHD - Safe Live Load 7500-10000 lbs. (3275-4500kg)
The above categories are given as a guide only. Please consult factory.

Components			
E2	FD-340	FC	B2-CB

Pipe Sizing (Select One)			
Suffix	Description		
2	2" (51) Pipe Size	<input type="checkbox"/>	
3	3" (76) Pipe Size	<input type="checkbox"/>	
4	4" (102) Pipe Size	<input type="checkbox"/>	
5	5" (127) Pipe Size (NH Only)	<input type="checkbox"/>	
6	6" (152) Pipe Size	<input checked="" type="checkbox"/>	
8	8" (203) Pipe Size (NH Only)	<input type="checkbox"/>	

Outlet Type (Select One)			
Suffix	Description		
NH	No Hub (MJ)	<input checked="" type="checkbox"/>	
P	Push On	<input type="checkbox"/>	
T	Threaded Outlet	<input type="checkbox"/>	
X	Inside Caulk	<input type="checkbox"/>	

Options (Select One or More)			
Suffix	Description		
-1	Nickel Bronze Top	<input type="checkbox"/>	
-5	Sediment Bucket	<input type="checkbox"/>	
-6	Vandal Proof	<input type="checkbox"/>	
-7	Trap Riser Tapping	<input type="checkbox"/>	
-8	Backwater Valve (2, 3, 4" Only)	<input type="checkbox"/>	
-13	Galvanized Body	<input type="checkbox"/>	
-21	Secondary Strainer	<input type="checkbox"/>	
-34	Closure Plug	<input type="checkbox"/>	
-F4-50	4" Round Cast Iron Funnel	<input type="checkbox"/>	
-F4-1	4" Round Nickel Bronze Funnel	<input type="checkbox"/>	
-F6-1	6" Round Nickel Bronze Funnel	<input type="checkbox"/>	
-G-50	4 1/2" Oval Cast Iron Funnel	<input type="checkbox"/>	
-G-1	4 1/2" Oval Nickel Bronze Funnel	<input type="checkbox"/>	
-S1	Side Outlet (2, 3, 4" Only)	<input type="checkbox"/>	
-E	Elastomeric Flange	<input checked="" type="checkbox"/>	

Optional Body Material			
Suffix	Description		
-60	PVC Body (2, 3, 4" Only)	<input type="checkbox"/>	
-61	ABS Body (2, 3, 4" Only)	<input type="checkbox"/>	

Job Name _____ Contractor _____

Job Location _____ Contractor's P.O. No. _____

Engineer _____ Representative _____

WATTS Drainage reserves the right to modify or change product design or construction without price notice and without incurring any obligation to make similar changes or modifications to products previously or subsequently sold. See your WATTS Drainage representative for any clarification. Dimensions are subject to manufacturing tolerances.



Specification Drainage Products

USA: 100 Watts Road, Spindale, NC, 28160-2298; TEL: 828-288-2179 TOLL-FREE: 1-800-338-2521 www.watts.com



Tag: **FD-320**

**Area Drain with
8" Adjustable Top**

SPECIFICATION: Watts Drainage FD-320 epoxy coated cast iron area drain with anchor flange, body collar with weepholes, 8"(203) diameter adjustable top with ductile iron grate, and no hub (standard) outlet.

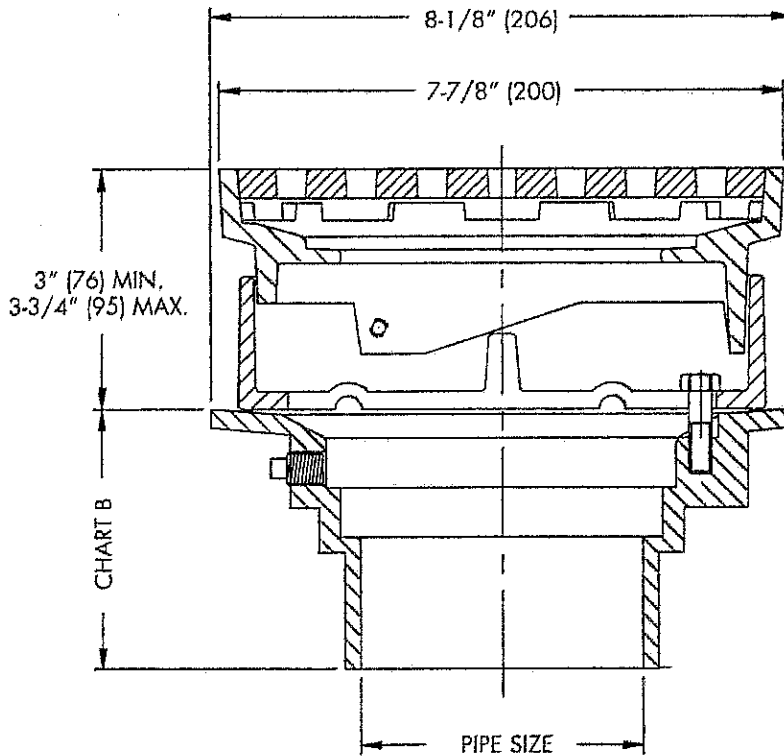


Chart B

	Std.	P	T	X	60/61
Pipe Size	No Hub	Push On	Female Thread	Inside Caulk	PVC/ABS
2" (51)	3-5/8" (92)	4-1/4" (108)	4-1/4" (108)	4-1/4" (108)	3-3/4" (95)
3" (76)	3-5/8" (92)	4-1/4" (108)	4-1/4" (108)	4-1/4" (108)	3-5/8" (92)
4" (102)	3-5/8" (92)	4-1/4" (108)	4-1/4" (108)	4-1/4" (108)	3-7/8" (94)
6" (152)	3-1/2" (89)				

Load Rating & Free Area

Load Rating	Free Area Sq. In.
*XHD	18

* The load classifications are in accordance with the American National Standards ASME A112.21.1M. ASME Ratings are as follows:
XHD - Safe live load 7500-10000 lbs. (3375-4500kg)
The above categories are given as a guide only. Please consult factory.

Components	
<input type="checkbox"/> BS	<input type="checkbox"/> BS-CE
<input type="checkbox"/> FD-320	<input type="checkbox"/> FC-1

Pipe Sizing (Select One)	
Suffix	Description
2	2" (51) Pipe Size <input type="checkbox"/>
3	3" (76) Pipe Size <input type="checkbox"/>
4	4" (102) Pipe Size <input checked="" type="checkbox"/>
6	6" (152) Pipe Size (NH Only) <input type="checkbox"/>

Outlet Type (Select One)	
Suffix	Description
NH	No Hub (NH) <input checked="" type="checkbox"/>
P	Push On <input type="checkbox"/>
T	Threaded Outlet <input type="checkbox"/>
X	Inside Caulk <input type="checkbox"/>

Options (Select One or More)	
Suffix	Description
-1	Nickel Bronze Top <input type="checkbox"/>
-5	Sediment Bucket <input type="checkbox"/>
-6	Vandal Proof <input type="checkbox"/>
-7	Trap Primer Tapping <input type="checkbox"/>
-8	Backwater Valve (2,3,4" Only) <input type="checkbox"/>
-13	Galvanized Body <input type="checkbox"/>
-21	Secondary Strainer <input type="checkbox"/>
-34	Closure Plug <input type="checkbox"/>
-F4-50	4" Round Cast Iron Funnel <input type="checkbox"/>
-F4-1	4" Round Nickel Bronze Funnel <input type="checkbox"/>
-F6-1	6" Round Nickel Bronze Funnel <input type="checkbox"/>
-G-50	4x9" Oval Cast Iron Funnel <input type="checkbox"/>
-G-1	4x9" Oval Nickel Bronze Funnel <input type="checkbox"/>
-S0	Side Outlet (2,3,4" Only) <input type="checkbox"/>
-Z	Elastomeric Flange <input type="checkbox"/>

Optional Body Material	
Suffix	Description
-60	PVC Body w/Socket Outlet <input type="checkbox"/>
-61	ABS Body w/Socket Outlet <input type="checkbox"/>

Job Name _____ Contractor _____

Job Location _____ Contractor's P.O. No. _____

Engineer _____ Representative _____

WATTS Drainage reserves the right to modify or change product design or construction without prior notice and without incurring any obligation to make similar changes and modifications to products previously or subsequently sold. See your WATTS Drainage representative for any clarification. Dimensions are subject to manufacturing tolerances.



Specification Drainage Products

USA: 100 Watts Road, Spindale, NC, 28160-2298; TEL: 828-268-2179 TOLL-FREE: 1-800-338-2581 www.watts.com