



**WEAVER CONSTRUCTION MANAGEMENT, INC.**

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Englewood, CO 80110

Phone: (303) 789-4111 FAX: (303) 789-4310

**SUBMITTAL TRANSMITTAL**

January 4, 2012

**WCM Submittal No: 02709-003.B**

**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:** Superior Sales, Inc.  
13301 W 43<sup>rd</sup> Drive #11  
Golden, CO 80403  
303-279-3600 Jim Warner  
JimWarner@superiorsalesco.com

**SUBJECT:** Resubmittal of Neenah R4990 DX Trench Drain for Headworks Building Exterior - WCM comments letter and product data.

**SPEC SECTION:** 02709 (DL-2 of HW drawings)

**PREVIOUS SUBMISSION DATES:** 12/6/11

**DEVIATIONS FROM SPEC:** \_\_\_ YES  x  NO

**CONTRACTOR'S STAMP:** This submittal has been reviewed by WCM 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:

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**Contractor's Stamp:**

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**Engineer's Stamp:**

Date: 12/06/11

Reviewed by: H.C. Myers  
( X ) Reviewed Without Comments  
( ) Reviewed With Comments

**ENGINEER'S  
COMMENTS:** \_\_\_\_\_

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**Project: HDTWRF Project**

**Location: Fountain, CO**

**Supplier: Superior Sales**

**Date: 1/4/12**

**Submittal for: Neenah R4990 DX for Headworks exterior**

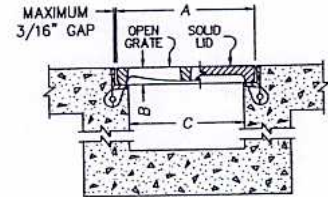
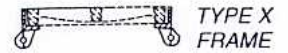
**This product is the same as specified by the engineer on DL-2 of HW drawings. Please see accompanying attachment for product specifications. Please post for engineer's review. Spec section 2709-003.**

■ Note: When specifying/ordering grates, refer to "Choosing the Proper Inlet Grate" on pages 117-118.  
 For a complete listing of FREE OPEN AREAS and WEIR PERIMETERS of all NEENAH grates, refer to pages 306-311.

## R-4990 and ~~R-4999~~ Series Heavy Duty Trench

Materials: All frames and grates/lids are furnished standard in gray iron, Class 35-B for heavy-duty use. For extra heavy-duty use or superior durability requirements, see our Airport and Port Grating Series on page 198 and our R-4993 & R-4994 Series on page 269.

Neenah recommends project designers avoid the use of light duty trench installations because it is likely that applications will be subjected to heavy delivery vehicle traffic at some time. Furthermore, the use of a site could be changed to heavy duty use patterns at some unanticipated future date.



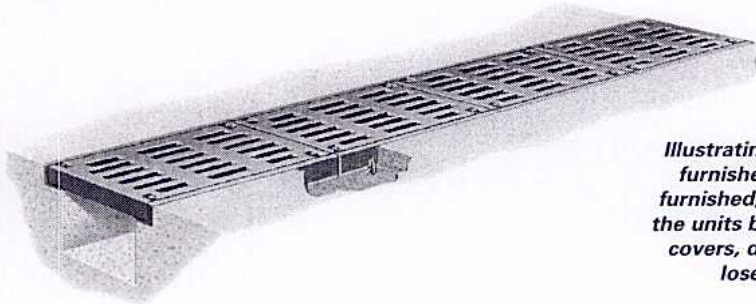
HEAVY DUTY

General schematic shown may not apply to all designs. Bar and rib depths, plate thicknesses, and seating widths vary on different sizes and styles. If your project has design restrictions, contact your sales representative or product engineering.

Dimensions in inches

Un-Bolted Catalog No.	Bolted Catalog No.	A	B	C	Type A	Type C	Type D	Type E	Type P	Type Q
R-4990-AX	<del>R-4999-AX</del>	8	1 1/2	6	x	x	x	x	x	
R-4990-BX	<del>R-4999-BX</del>	10	1 1/2	8	x	x	x	x	x	
R-4990-CX	<del>R-4999-CX</del>	12	1 1/2	10	x	x	x	x	x	x
R-4990-DX	<del>R-4999-DX</del>	14	1 1/2	12	x	x	x	x	x	x
R-4990-EX	<del>R-4999-EX</del>	17	1 1/2	15	x	x	x	x	x	
R-4990-FX	<del>R-4999-FX</del>	20	1 1/2	18	x	x	x	x	x	
R-4990-GX	<del>R-4999-GX</del>	23	1 1/2	21	x	x	x			
R-4990-HX	<del>R-4999-HX</del>	26	1 1/2	24	x	x	x	x		x
R-4990-JX	<del>R-4999-JX</del>	30	2	27	x	x	x			
R-4990-KX	<del>R-4999-KX</del>	33	2	30	x	x	x	x		
R-4990-LX	<del>R-4999-LX</del>	36	2	33	x	x	x			
R-4990-MX	<del>R-4999-MX</del>	39	2	36	x	x	x			
R-4990-NX	<del>R-4999-NX</del>	45	2	42	x	x	x			
R-4990-OX	<del>R-4999-OX</del>	51	2	48	x		x			

x - Indicates availability



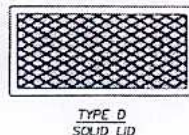
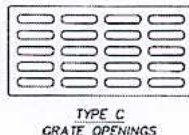
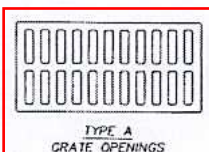
Illustrating Type C bolted trench. Bolted trench sections are furnished in 24" standard lengths. When bolted trench is furnished, they are shipped assembled – AT NO TIME should the units be disassembled during installation. When removing covers, do not mix or rotate 180 degrees as bolt holes may lose alignment and improper bearing may occur.

### Read Carefully Before Ordering

The various standard trench drains are available with a number of alternatives. It is important to examine all of the variables carefully and specify your requirements fully. Your order will be entered correctly and promptly if it includes the following information:

- Complete catalog number
- Frame end pieces, when required
- Type of Lid or Grate: A, C, D, E, P or Q
- Length of trench sections
- Angles and intersections \*
- Load requirements

\*Trenches with angles, intersections, size changes, or other special requirements require detail drawings prior to ordering. Contact your sales representative or product engineering for assistance.



TRENCH CASTINGS

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