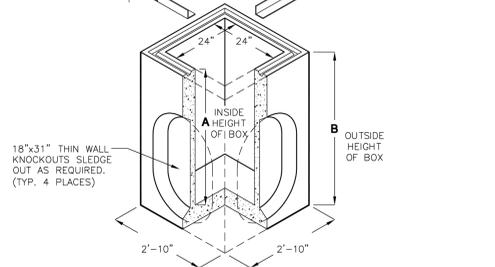


### 24"x24" DROP INLET

DROP INLET			
MODEL NO.	A	B	WEIGHT
DI242436	36"	42"	1900 LBS.
DI242448	48"	54"	2500 LBS.

\*BOX ONLY



EXTENSION		
MODEL NO.	C	WEIGHT
RS242406	6"	300 LBS.
RS242412	12"	600 LBS.

BOX DESIGN LOAD:  
H=20 TRAFFIC

FOR COMPLETE DESIGN AND PRODUCT INFORMATION, CONTACT JENSEN PRECAST.

9/23/02  
02/24/04  
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24X24 CATCH BASIN  
N.T.S.

#### 1212 CAST IRON GRATE

PARKWAY ONLY 28 lbs.

#### 1212 STEEL GRATES

PARKWAY 16 lbs.  
TRAFFIC 18 lbs.

#### 1212 STEEL COVER

PARKWAY 22 lbs.  
TRAFFIC 25 lbs.

#### 1212 TOP SECTION (WITH GALVANIZED FRAME)

#### 1212 LOWER SECTION (NO FRAME)

NOTE: USE 12", 18", 24", 28" LOWERS TO INCREASE DEPTH UP TO A MAXIMUM OF 72"

#### 1212 BASE

WT. 165 lbs.

TOP SECTION	HT.	LBS.	KNOCK-OUT
1212 T6	6"	110	NONE
1212 T12	12"	275	(4) 5" x 10"
1212 T18	18"	270	(4) 8" x 12"
1212 T24	24"	430	(4) 8" x 15"
1212 T28	28"	380	(4) 8" x 22"

EXTENSION SECTION	HT.	LBS.	KNOCK-OUT
1212 E6	6"	170	NONE

LOWER SECTION	HT.	LBS.	KNOCK-OUT
1212 L12	12"	275	(4) 5" x 10"
1212 L18	18"	270	(4) 8" x 12"
1212 L24	24"	430	(4) 8" x 15"
1212 L28	28"	380	(4) 8" x 22"

12" x 12" CATCH BASIN

**JENSEN PRECAST** EST. 1968

**BROOKS 1212 CB**

REV. 04-20-05    REV. 02-14-20

12X12 CATCH BASIN  
N.T.S.

#### SPECIFIER CHART

MODEL	INLET ID	GRATE OD	COMMENTS
FF-12D	12" X 12"	15" X 15"	GRATED INLET
FF-18D	18" X 18"	18" X 18"	GRATED INLET
FF-18D	18" X 18"	20" X 20"	GRATED INLET
FF-1836SD	18" X 36"	18" X 40"	GRATED INLET
FF-1836DGO	18" X 36"	18" X 40"	COMBINATION INLET
FF-24D	24" X 24"	26" X 26"	GRATED INLET
FF-2436SD	24" X 36"	24" X 40"	GRATED INLET
FF-24DGO	24" X 24"	18" X 28"	COMBINATION INLET
FF-2436DGO	24" X 36"	24" X 40"	COMBINATION INLET
FF-36D (2 PIECE)	36" X 36"	36" X 40"	GRATED INLET
FF-3648D (2 PIECE)	36" X 48"	40" X 48"	GRATED INLET

OPTIONAL FOSSIL ROCK ABSORBENT POUCHES FOUR EACH.

STAINLESS STEEL FILTER FRAME WITH RUBBER GASKET.

POLYPROPYLENE GEOTEXTILE FILTER ELEMENT.

STAINLESS STEEL SUPPORT HOOK, FOUR EACH.

#### SPECIFIER CHART

MODEL NO.	Curb Opening	Storage Capacity (cu ft)	Filtered Flow Rate (gpm)	Bypass Flow Rate (gpm)
FGP-24C1	24" (24")	35	338 / 75	2,513 / 5.6
FGP-30C1	24" (30")	1,30	480 / 100	3,008 / 6.7
FGP-36C1	30" (36")	1,50	563 / 125	3,547 / 7.9
FGP-42C1	36" (42")	1,80	675 / 150	3,951 / 8.8
FGP-48C1	42" (48")	2,10	788 / 176	4,445 / 9.9
FGP-60C1	60" (60")	2,40	920 / 200	5,291 / 11.6
FGP-60C1	60" (72")	3,05	1,126 / 251	6,196 / 13.8
FGP-72C1	72" (72")	3,05	1,320 / 291	7,139 / 15.9
FGP-84C1	84" (84")	4,25	1,573 / 351	8,862 / 19.9
FGP-100C1	100" (100")	4,85	1,800 / 401	9,833 / 21.9
FGP-120C1	120" (144")	6,10	2,252 / 502	11,764 / 26.2
FGP-140C1	140" (168")	7,30	2,700 / 602	13,515 / 30.1
FGP-160C1	160" (192")	8,50	3,152 / 702	15,469 / 34.4
FGP-180C1	180" (216")	9,45	3,450 / 776	17,152 / 38.2
FGP-210C1	210" (252")	10,95	4,050 / 902	19,891 / 44.3
FGP-260C1	260" (328")	14,90	5,400 / 1,205	26,311 / 58.5

FLOCARD  
N.T.S.

### ZURN Z550

9" (229) DIAMETER TOP MEDIUM-DUTY DRAIN

A	Approx. Wt.	Grate Open Area	ENGINEERING SPECIFICATION: ZURN Z550
Pipe Size [in (mm)]	[Lbs. (kg)]	[Sq. In. (cm²)]	9" (229mm) Diameter top drain, Dura-Coated cast iron body with bottom outlet, seepage pan and combination membrane flashing clamp and frame with integrated trap primer and plug for medium-duty cast iron heel-proof slotted duresit grate.
2, 3, 4 [51, 76, 102]	28 [13]	18 [116]	
6 [152]	30 [14]		

OPTIONS (Check/specify appropriate options)

PIPE SIZE

3, 4 [76, 102]	IC Inside Cast Iron	3-3/4 [95]
3, 4 [76, 102]	IG Inside Gasket	3-3/4 [95]
3, 4 [76, 102]	IP Threaded	2-3/4 [70]
2, 3, 4 [51, 76, 102]	NH No-Hub	4-3/4 [121]
6 [152]	NH No-Hub	5-1/4 [133]
2, 3, 4 [51, 76, 102]	NL Neo-Loc	3-1/2 [89]

OUTLET (Specify size/type)

IC Inside Cast Iron	3-3/4 [95]
IG Inside Gasket	3-3/4 [95]
IP Threaded	2-3/4 [70]
NH No-Hub	4-3/4 [121]
NH No-Hub	5-1/4 [133]
NL Neo-Loc	3-1/2 [89]

PREFIXES

Z D.C.C.I. Body and Top*	
ZN D.C.C.I. Body with Polished Nickel Bronze Top (Add 3/16 [5] to 2 [51] Dim. & 3/4 [20] to 9 [229] Dim.)	

SUFFIXES

-AR Acid Resisting Epoxy Coated Cast Iron	-TG Tractor Grate
-D Dome Grate	-TS Top Secured with Slotted Screw
-G Galvanized Cast Iron	-VP Vandal-Proof Secured Top
-S Secondary Strainer	-Y Sediment Bucket
-SS Stainless Mesh Liner for Bucket	-90 90° Threaded Side Outlet Body (2, 3, 4 [51, 76, 102])
-TC Neo-Loc Test Cap Gasket (2, 3, 4 [51, 76, 102] NL Bottom Outlet Only)	

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice

SPECIFICATION SHEET TAG \_\_\_\_\_

\* Regularly furnished unless otherwise specified.

Zurn Industries, LLC | Specification Drainage Operation  
1801 Pittsburgh Avenue, Erie, PA 16502, Ph. 855-663-8676, Fax 814-454-7929  
In Canada: Zurn Industries Limited  
7900 Gateway Drive, Unit 10, Brampton, Ontario L6T 6W6, Ph. 877-892-5218  
www.zurn.com

Rev. K  
Date: 10/05/2020  
C.N. No. 143083  
Prod. | Dwg. No. Z550

AREA DRAIN  
N.T.S.

MAX W	MAX V	l	l <sub>f</sub>	REINFORCEMENT REQUIRED IN
FRONT WALL	REAR WALL	SLAB	END WALL	
3.6' (1.0 m)	8' (2.4 m)	8' (200 mm)	8' (200 mm)	FRONT WALL, REAR WALL, SLAB, END WALL
5.4' (1.6 m)	12' (3.6 m)	8' (200 mm)	8' (200 mm)	FRONT WALL, REAR WALL, SLAB, END WALL
7' (2.0 m)	8' (2.4 m)	8' (200 mm)	8' (200 mm)	FRONT WALL, REAR WALL, SLAB, END WALL
7' (2.0 m)	12' (3.6 m)	8' (200 mm)	8' (200 mm)	FRONT WALL, REAR WALL, SLAB, END WALL
14' (4.0 m)	8' (2.4 m)	8' (200 mm)	8' (200 mm)	FRONT WALL, REAR WALL, SLAB, END WALL
14' (4.0 m)	12' (3.6 m)	8' (200 mm)	8' (200 mm)	FRONT WALL, REAR WALL, SLAB, END WALL
8' (2.4 m)	8' (2.4 m)	8' (200 mm)	8' (200 mm)	FRONT WALL, REAR WALL, SLAB, END WALL
8' (2.4 m)	12' (3.6 m)	8' (200 mm)	8' (200 mm)	FRONT WALL, REAR WALL, SLAB, END WALL
10' (3.0 m)	8' (2.4 m)	8' (200 mm)	8' (200 mm)	FRONT WALL, REAR WALL, SLAB, END WALL
10' (3.0 m)	12' (3.6 m)	8' (200 mm)	8' (200 mm)	FRONT WALL, REAR WALL, SLAB, END WALL

NOTES:

- WHERE THE BASIN IS TO BE CONSTRUCTED WITHIN THE LIMITS OF EXISTING OR PROPOSED SIDEWALK OR IS CONTIGUOUS TO SUCH SIDEWALK, THE TOP SLAB OF THE BASIN MAY BE POURED EITHER MONOLITHIC WITH THE SIDEWALK OR SEPARATELY, USING THE SAME CLASS OF CONCRETE AS IN THE BASIN. WHEN POURED MONOLITHICALLY, THE SIDEWALK SHALL BE PROVIDED WITH A WEARED PLANE OF AT LEAST 1/2" (12.5 mm) DEEP SAWN CONTINUOUSLY AROUND THE EXTERNAL PERIMETER OF THE CATCH BASIN WALLS, INCLUDING ACROSS THE FULL WIDTH OF THE SIDEWALK, SUBSEQUENT TO ALL EXPOSED CONCRETE SHALL CORNER IN SLOPE, GRADE OF COLOR, FINISH, AND SCORING TO EXISTING OR PROPOSED CURB AND WALK ADJACENT TO THE BASIN.
- ALL CURVED CONCRETE SURFACES SHALL BE FORMED BY CURVED FORMS, AND SHALL NOT BE SHAPED BY PLASTERING.
- FLOOR OF BASIN SHALL BE GIVEN A STEEL TROWEL FINISH AND SHALL HAVE A LONGITUDINAL AND LATERAL SLOPE OF 1/16" MINIMUM AND 1/3" MAXIMUM EXCEPT WHERE THE GUTTER GRADE EXCEEDS 8% IN WHICH CASE THE LONGITUDINAL SLOPE OF THE FLOOR SHALL BE THE SAME AS THE GUTTER GRADE. SLOPE FLOOR FROM ALL DIRECTIONS TO THE OUTLET.
- DIMENSIONS:  
B = 3'-2" (970 mm)  
V = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT OF THE CATCH BASIN AT THE OUTLET = 4.5" (115 mm).  
V<sub>in</sub> = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT AT THE UPSTREAM END OF THE BASIN, AND SHALL BE DETERMINED BY THE REQUIREMENTS OF NOTE 3, BUT SHALL NOT BE LESS THAN CURB FACE PLUS 1/2" (12.5 mm).  
V<sub>in</sub> = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT OF THE INLET, NOTED ON THE PLANS.  
H = NOTED ON THE PLANS.  
W = NOTED ON THE PLANS.  
A = THE ANGLE, IN DEGREES, INTERCEPTED BY THE CENTERLINE OF THE CONNECTOR PIPE AND THE CATCH BASIN WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED.
- PLACE CONNECTOR PIPES AS INDICATED ON THE PLANS, UNLESS OTHERWISE SPECIFIED, THE CONNECTOR PIPE SHALL BE LOCATED AT THE DOWNSTREAM END OF THE BASIN. WHERE THE CONNECTOR PIPE IS SHOWN AT A CORNER, THE CENTERLINE OF THE PIPE SHALL INTERSECT THE INSIDE CORNER OF THE BASIN. THE PIPE MAY BE CUT AND TRIMMED AT A SLOPE NECESSARY TO INSURE MINIMUM 2" (50 mm) PIPE CLEARANCE TO THE CORNER WITHIN THE CATCH BASIN WALL AND 1/2" (12.5 mm) RADIUS OF ROUNDING OF STRUCTURE CONCRETE. ALL ANGLE, ADVANCED TO THE CORNER OF THE CATCH BASIN. CONNECTOR PIPE SHALL BE USED TO JOIN THE CONNECTOR PIPE TO THE CATCH BASIN WHENEVER ANGLE "A" IS LESS THAN 70° OR GREATER THAN 110°, OR WHENEVER THE CONNECTOR PIPE IS LOCATED IN A CORNER. THE OPTIONAL USE OF A MONOLITHIC CATCH BASIN CONNECTION IN ANY CASE IS PERMITTED. MONOLITHIC CATCH BASIN CONNECTIONS MAY BE CONSTRUCTED TO AVOID CUTTING STANDARD LENGTHS OF PIPE.
- STEPS SHALL BE LOCATED AS SHOWN. IF THE CONNECTOR PIPE INTERFERES WITH THE STEPS, THEY SHALL BE LOCATED AT THE CENTERLINE OF THE DOWNSTREAM END WALL. STEPS SHALL BE SPACED 12" (300 mm) APART. THE TOP STEP SHALL BE 7" (175 mm) BELOW THE TOP OF THE MANHOLE AND PROJECT 2-1/2" (65 mm). ALL OTHER STEPS SHALL PROJECT 5" (130 mm).
- DOWELS ARE REQUIRED AT EACH CORNER AND AT 7' (2 m) ON CENTER (MAXIMUM) ALONG THE BACKWALL.
- THE FOLLOWING SPWVC ARE INCORPORATED HEREIN:  
308 MONOLITHIC CATCH BASIN CONNECTION  
309 CATCH BASIN REINFORCEMENT  
310 CATCH BASIN FACE PLATE ASSEMBLY AND PROTECTION BAR  
312 CATCH BASIN MANHOLE FRAME AND COVER  
6.30 STEEL STEP  
6.36 POLYPROPYLENE PLASTIC STEP

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PRODUCED BY THE PUBLIC WORKS STANDARD PLAN COMMISSION

**CURB OPENING CATCH BASIN 300-3**

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN 300-3 SHEET 1 OF 2

CURB OPENING CATCH BASIN  
N.T.S.

MINIMUM CEMENTITIOUS MATERIAL CONTENT = 605 LB / CU YD  
1 601 CU FT / LF  
1 CU YD = 16.80 LF

NOTES:

- RELATIVE COMPACTION OF SUBGRADE UNDER CURB AND GUTTER SHALL BE 95% MINIMUM.
- WHEN ABUTTING SOIL HAS A HIGH SULFATE CONTENT, USE A MODIFIED CONCRETE MIX AND PLACE 6" MIN CLASS 2 AGGREGATE BASE AND 6 MIL PLASTIC SHEETING UNDER AND AROUND ALL SIDES OF CONCRETE IMPROVEMENTS. FOR EXPANSIVE SOIL, PLACE 6" MIN CLASS 2 AGGREGATE BASE UNDER CONCRETE IMPROVEMENTS AS DIRECTED BY THE ENGINEER. SEE SPECIFICATIONS SECTIONS 16.03 & 16.04 AND STANDARD NO. 401 FOR REFERENCE.

NOT TO SCALE

PREPARED UNDER THE SUPERVISION OF:  
*Mark Lancaster*  
DIRECTOR OF TRANSPORTATION  
MARK LANCASTER, P.E.

11/30/22 DATE  
C84048 COUNTY OF RIVERSIDE  
EG-01-27 CIVIL  
STATE OF CALIFORNIA

REVISION NO. DESCRIPTION DATE

CITY OF RIVERSIDE 6" CURB AND GUTTER DETAIL

N.T.S.

CITY OF RIVERSIDE 6" CURB AND GUTTER DETAIL  
N.T.S.

# HKS

**OWNER**  
HOSPITAL CORPORATION OF AMERICA (HCA)  
2645 PARK PLAZA, BUILDING 3-2  
NASHVILLE, TN 37203

**FACILITY**  
RIVERSIDE COMMUNITY HOSPITAL  
4445 MAGNOLIA AVENUE  
RIVERSIDE, CA 92501

**ARCHITECT/ INTERIOR DESIGNER**  
HKS ARCHITECTS, INC.  
10880 WILSHIRE BLVD, #1850  
LOS ANGELES, CA 90024

**CIVIL ENGINEER/ LANDSCAPE ARCHITECT**  
KIMLEY-HORN AND ASSOCIATES, INC.  
1100 W. TOWN & COUNTRY ROAD, SUITE 700  
ORANGE, CA 92666

**STRUCTURAL ENGINEER**  
KPFF  
700 S. FLOWER STREET, SUITE 2100  
LOS ANGELES, CA 90017

**MEP/LOW VOLTAGE ENGINEER**  
WSP USA  
3102 OAK LAWN AVE, SUITE 450  
DALLAS, TX 75219

**PARKING CONSULTANT**  
HVA PARKING  
9600 GREAT HILLS TRAIL, SUITE 150W  
AUSTIN, TX 78759

**HCA DESIGN MANAGER**  
ZACH WIDEMAN

**HCA CONSTRUCTION MANAGER**  
RUSSELL MAASS

**NEW BROCKTON PARKING GARAGE**

**HCA Healthcare**

**RIVERSIDE Community Hospital**

**PROFESSIONAL ENGINEER**  
NIKKI D. KERRY  
RICE NO. 58449  
STATE OF CALIFORNIA

REVISION NO. DESCRIPTION DATE

DATE: 12/18/2024

**CONSTRUCTION DOCUMENTS - ISSUE FOR PERMIT**

SHEET TITLES

SHEET NO.

**C8.2**

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