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Technical Data Sheets

٥ شارع خالد بن الوليد شيراتون - القاهرة تليفون: ٠٣/٢٢٦٦٤٩٢-٢٢٦٧٥٣٣٩

موبايل: ٠١٢٢٧٩٠٥٢٤٨ - ٠١٢٢٧٣٨٩٥٢٨ - ٠١٢١١١٧٨٢٥٠ - ٠١٠١٩٥٤٢٩٤١

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Z1400-K

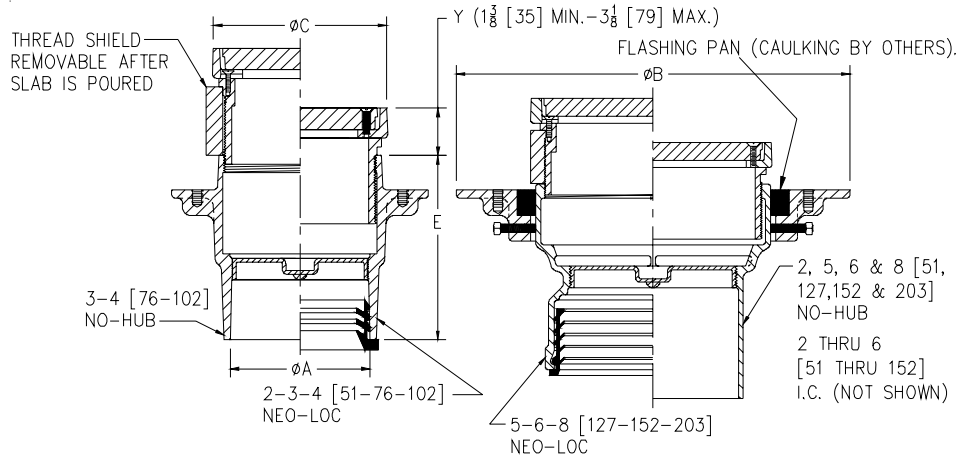
"LEVEL-TROL"

ADJUSTABLE FLOOR CLEANOUT WITH ANCHOR FLANGE

SPECIFICATION SHEET

TAG _____

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



ENGINEERING SPECIFICATION: ZURN Z1400-K "Level-Trol" Adjustable floor cleanout, Dura-Coated cast iron body, with gas and watertight ABS tapered thread plug, and round scoriated secured top (Specify finish Z, ZB, ZN, ZS) adjustable to finished floor.

Dimension In Inches				Approx. Wt. Lbs. [kg.]
A-Pipe Size	B	C	E	
Inside Caulk				
2 [51]	7 1/2 [191]	6 1/8 [156]	6 7/8 [175]	18.1 [8.2]
3 [76]	8 1/2 [216]	6 1/8 [156]	6 7/8 [175]	18.8 [8.5]
4 [102]	9 1/2 [241]	7 1/4 [184]	6 7/8 [175]	20.3 [9.2]
5 [127]	11 1/2 [292]	8 1/4 [210]	6 7/8 [175]	25.2 [11.4]
6 [152]	11 1/2 [292]	9 1/4 [235]	6 7/8 [175]	39.2 [17.8]
No-Hub				
2 [51]	7 1/2 [191]	4 1/8 [105]	7 1/2 [191]	11.3 [5.1]
3 [76]	7 1/2 [191]	4 1/8 [105]	5 3/8 [137]	10 [4.5]
4 [102]	7 1/2 [191]	5 1/8 [130]	5 3/8 [137]	12.6 [5.7]
5 [127]	11 1/2 [292]	7 1/4 [184]	7 1/2 [191]	20.2 [9.1]
6 [152]	11 1/2 [292]	8 1/4 [210]	7 1/2 [191]	29.2 [132]
8 [203]	12 1/4 [311]	9 1/4 [235]	7 1/2 [191]	37.9 [17.2]
Neo-Loc				
2 [51]	7 1/2 [191]	4 1/8 [105]	5 3/8 [137]	12.2 [5.5]
3 [76]	7 1/2 [191]	5 1/8 [130]	5 3/8 [137]	12.9 [6]
4 [102]	7 1/2 [191]	5 1/8 [130]	5 3/8 [137]	14.2 [6.4]
5 [127]	11 1/2 [292]	7 1/4 [184]	6 1/2 [165]	21.3 [9.7]
6 [152]	11 1/2 [292]	8 1/4 [210]	6 1/2 [165]	28.9 [13.1]
8 [203]	12 1/4 [311]	9 1/4 [235]	6 1/2 [165]	31.5 [14.3]

OPTIONS (Check/specify appropriate options)**PREFIXES**

- ___ Z Dura Coated Cast Iron*
- ___ ZB D.C.C.I. w/ Polished Bronze Top
(Deduct 1/2 [13] from 'Y' Dim.)
- ___ ZN D.C.C.I. w/ Polished Nickel Bronze Top
(Deduct 1/2 [13] from 'Y' Dim.)
- ___ ZS D.C.C.I. w/ Polished Stainless Steel Top

SUFFIXES

- ___ -AR Acid Resisting Epoxy Coated Finish
- ___ -BP Bronze Plug
- ___ -C Clamp Collar
- ___ -CF Carpet Flange Cover (ZB and ZN only)
- ___ -CM Carpet Marker
- ___ -DC Duresist Cover
- ___ -DX Round ZB or ZN Top with Dex-o-tex Flange
(2 thru 4 [51 thru 102] Sizes only)
- ___ -G Galvanized Cast Iron
- ___ -HD Heavy-Duty Top (Add 1/8 [3] to 'Y' Dim.)
(ZB and ZN only)
- ___ -SA Stabilizer Assembly (See Z1035)
- ___ -SG Solid Gasketed Cover
- ___ -SM Special Marking Stamped on Top
- ___ -T Square Top
- ___ -TX Square Top Recessed for 1/8 [3] Tile
(ZB and ZN only)
- ___ -VP Vandal-Proof Screws
- ___ -X Round Top Recessed for 1/8 [3] Tile
(ZB or ZN only)
- ___ -Z Round Top Recessed for 1 1/4 [32] Terrazzo
(ZB or ZN only)

PIPE SIZE

2 thru 6 [51 thru 152]
2 thru 6-8 [51 thru 152-203]
2 thru 6-8 [51 thru 152-203]

(Specify size/type) **OUTLET**

- ___ IC Inside Caulk
- ___ NH No-Hub
- ___ NL Neo-Loc

'E' BODY HT. DIM.

See Chart
See Chart
See Chart

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

REV. A DATE: 6/3/08 C.N. NO. 98577

DWG. NO. 82525 PRODUCT NO. Z1400-K

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Floor Cleanout PHOTO





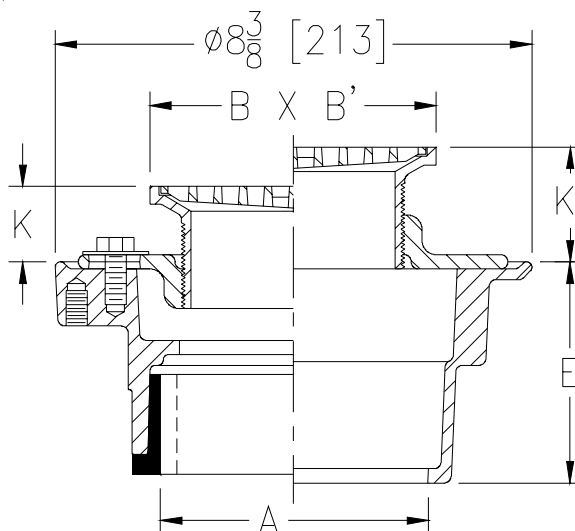
Z415S

BODY ASSEMBLY W/ "TYPE S" STRAINER

SPECIFICATION SHEET

TAG _____

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



Dimensions In Inches						Approx. Wt. Lbs. [kg]	Strainer Open Area Sq. In. [cm²]
A - Pipe Size	B x B' Strainer Top Size	K		K'			
		Min.	Max.	Min.	Max.		
2-3 [51-76]	5 x 5 [127 x 127]	7/8 [22]	1 3/4 [44]	1 1/2 [38]	2 5/8 [67]	12 [5]	9 [58]
2-3-4 [51-76-102]	6 x 6 [152 x 152]	1 [25]	1 7/8 [48]	1 5/8 [41]	2 7/8 [73]	13 [6]	13 [84]
2-3-4 [51-76-102]	7 x 7 [178 x 178]	1 1/4 [32]	2 5/8 [67]	1 5/8 [41]	3 1/2 [89]	14 [6]	21 [135]
3-4 [76-102]	8 x 8 [203 x 203]	1 1/4 [32]	2 5/8 [67]	2 [51]	3 1/2 [89]	15 [7]	28 [181]
6 [152]	9 x 9 [229 x 229]	1 1/4 [32]	2 5/8 [67]	2 [51]	3 1/2 [89]	19 [9]	28 [181]
6 [152]	10 x 10 [254 x 254]	1 1/4 [32]	2 5/8 [67]	2 [51]	3 1/2 [89]	21 [10]	28 [181]

ENGINEERING SPECIFICATION: ZURN ZN415S Floor and shower drain, Dura-Coated cast iron body with bottom outlet, combination invertible membrane clamp and adjustable collar with seepage slots and "TYPE S" polished nickel bronze square heel-proof strainer.

OPTIONS (Check/specify appropriate options)

PIPE SIZE

2 thru 4 [51 thru 102]
2 thru 4 [51 thru 102]
2 [51]
3 [76]
4 [102]
6 [152]
2 thru 4 [51 thru 102]
2 thru 4 [51 thru 102]

(Specify size/type) OUTLET

_____ IC Inside Caulk
_____ IG Inside Gasket
_____ IP Threaded
_____ IP Threaded
_____ IP Threaded
_____ IP Threaded
_____ NH No-Hub
_____ NL Neo-Loc

'E' BODY HT. DIM.

3 7/8 [98]
3 7/8 [98]
2 3/8 [60]
2 5/8 [67]
2 7/8 [73]
2 3/4 [70]
3 7/8 [98]
3 3/4 [95]

PREFIXES

_____ ZB D.C.C.I. Body Assembly w/ Polished Bronze Top
_____ ZN D.C.C.I. Body Assembly w/ Polished Nickel Bronze Top*

SUFFIXES

_____ -AR Acid Resisting Epoxy Coated Cast Iron
_____ -CP Chrome-Plated Top
_____ -DP Decorative Polished Top
_____ -G Galvanized Cast Iron
_____ -HD Heavy-Duty Grate (ZN 6 x 6 [152 x 152] Only)
_____ -P Trap Primer Connection (Specify 1/2 [13] or 3/4 [19])
_____ -PD Prom-Deck Top (8 x 8 [203 x 203] Only)
_____ -SR Stabilizer Ring
_____ -TC Neo-Loc Test Cap Gasket (2 [51] - 4 [102] NL Outlet Only)

_____ -U 1 - 3 [25 - 76] High Extension Adapter
_____ -V Backwater Valve
_____ -VP Vandal-Proof Secured Top
_____ -Y Sediment Bucket
_____ -18 Leveling Ring (See Z400-18)
_____ -90 90° Threaded Side Outlet Body Assembly (2 [51], 3 [76] Only)

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

REV. J DATE: 7/31/07 C.N. NO. 97042

DWG. NO. 58803 PRODUCT NO. Z415S

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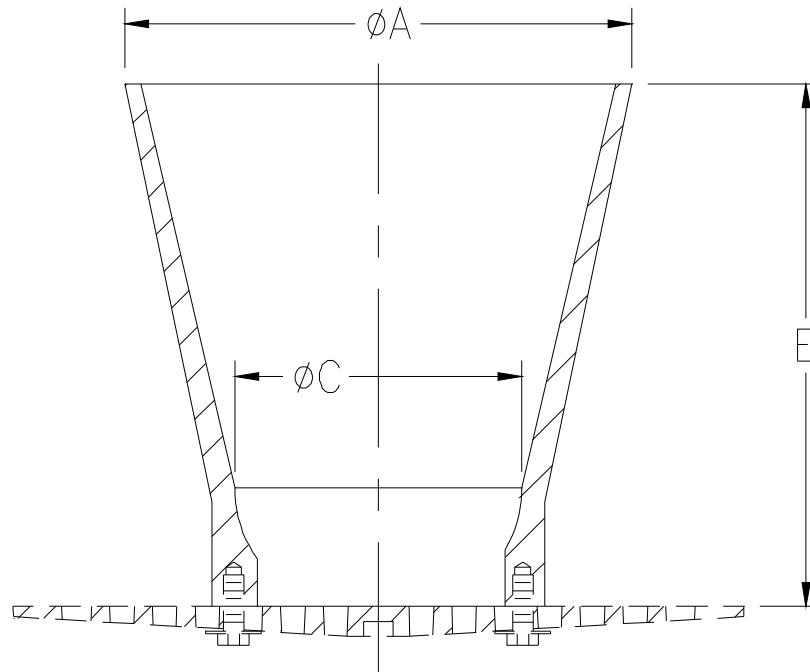


Z1724 ROUND FUNNEL

SPECIFICATION SHEET

TAG _____

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



Dimensions in Inches		Approx. Wt. Lbs. [kg]
A- Pipe Size	C	
4 [102]	2-1/4 [57]	3 [1]
6 [152]	2-7/8 [73]	5 [2]

ENGINEERING SPECIFICATION: ZURN Z1724

4 or 6 [102 or 152] Round funnel Type 304 (CF8) stainless steel with satin finish and securing screws.

OPTIONS (Check/specify appropriate options)**DIAMETER** (Specify size)

___ 4 [102]
___ 6 [152]

'E' BODY HT. DIM.

3-3/4 [95]
6 [152]

PREFIXES

___ Z Type 304 (CF8) Stainless Steel Body*
___ ZM Type 316 (CF8M) Stainless Steel Body

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

REV. D DATE: 11/15/10 C.N. NO. 120387

DWG. NO. 59292 PRODUCT NO. Z1724

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Floor Drain With Funnel



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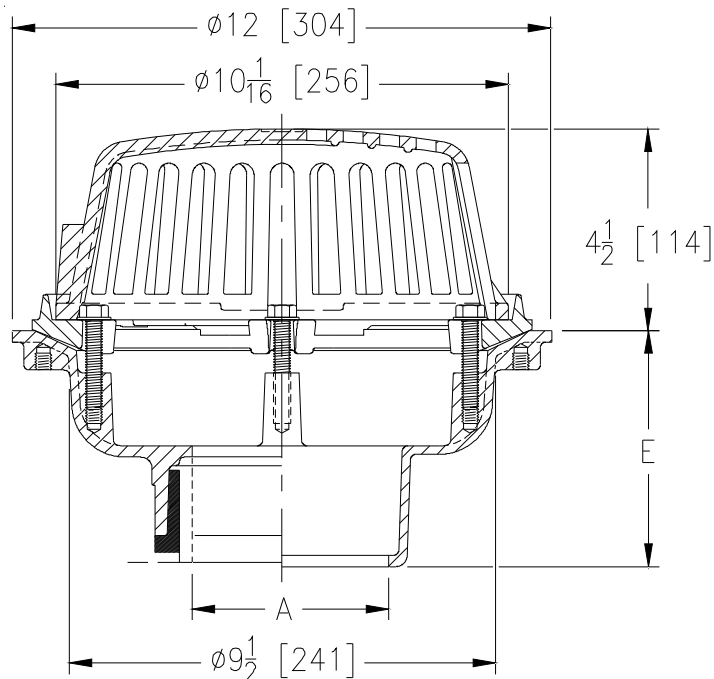


Z121
12 [305] DIAMETER ROOF DRAIN
LOW SILHOUETTE DOME

SPECIFICATION SHEET

TAG _____

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



A Pipe Size In.	Approx. Wt. Lbs. [kg]	Dome Open Area Sq. In. [cm ²]
2 thru 6 [51 thru 152]	22 [10]	78 [503]

ENGINEERING SPECIFICATION: ZURN Z121

12 [305] Diameter roof drain. Dura-Coated cast iron body with combination membrane flashing clamp/gravel guard and low silhouette Poly-Dome.

OPTIONS (Check/specify appropriate options)

PIPE SIZE

2 thru 6 [51 thru 152]
2 thru 6 [51 thru 152]
2 thru 6 [51 thru 152]
2-3-4 [51-76-102]

(Specify size/type) **OUTLET**

_____ IC Inside Caulk
_____ IP Threaded
_____ NH No-Hub
_____ NL Neo-Loc

E BODY HT. DIM.

5-1/4 [133]
3-3/4 [95]
5-1/4 [133]
4-5/8 [117]

PREFIXES

___ Z D.C.C.I. Body with Poly-Dome (4-1/4 [108] Dome Height)*
___ ZA D.C.C.I. Body with Aluminum Dome (6-9/16 [167] Dome Height)
___ ZC D.C.C.I. Body with Low Silhouette Cast Iron Dome
___ ZRB D.C.C.I. Body with Plain Bronze Dome (3-7/8 [98] Dome Height)

SUFFIXES

___ -AR Acid Resistant Epoxy Coated Finish
___ -BS Bronze Mesh Screen Over Dome
___ -C Underdeck Clamp
___ -DB Deep Sump Body (IC Only)
___ -DP Top-Set® Roof Deck Plate
(Replaces both the -C and -R)
___ -DR Top-Set® Drain Riser
(Adjustment from 3-5/8 [92] to 7-1/4 [184])
___ -E 2 [51] High Static Extension (Specify Height)
___ -EB Top-Set® Adjustable Extension Assembly
___ -FG Flush Grate
___ -G Galvanized Cast Iron
___ -R Roof Sump Receiver

___ -SC Secondary Clamping Collar
___ -SS Stainless Steel Mesh Screen Over Dome
___ -TC Neo-Loc Test Cap Gasket
(2 - 4 [51 - 102] NL Bottom Outlet Only)
___ -VP Vandal-Proof Secured Top
___ -XJ Vertical Expansion Joint (See Z190)
___ -84 Stainless Steel Perforated Gravel Guard
___ -85 Stainless Steel Perforated Extension
___ -89 2 [51] High External Water Dam
___ -90 90° Threaded Side Outlet Body
(2 - 4 [51 - 102]) (Previously Z124)

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

REV. O DATE: 10/09/12 C.N. NO. 124811

DWG. NO. 58819 PRODUCT NO. Z121

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In Canada: ZURN INDUSTRIES LIMITED ♦ 3544 Nashua Drive ♦ Mississauga, Ontario L4V1L2 ♦ Phone: 905/405-8272 Fax: 905/405-1292

Roof Drain PHOTO





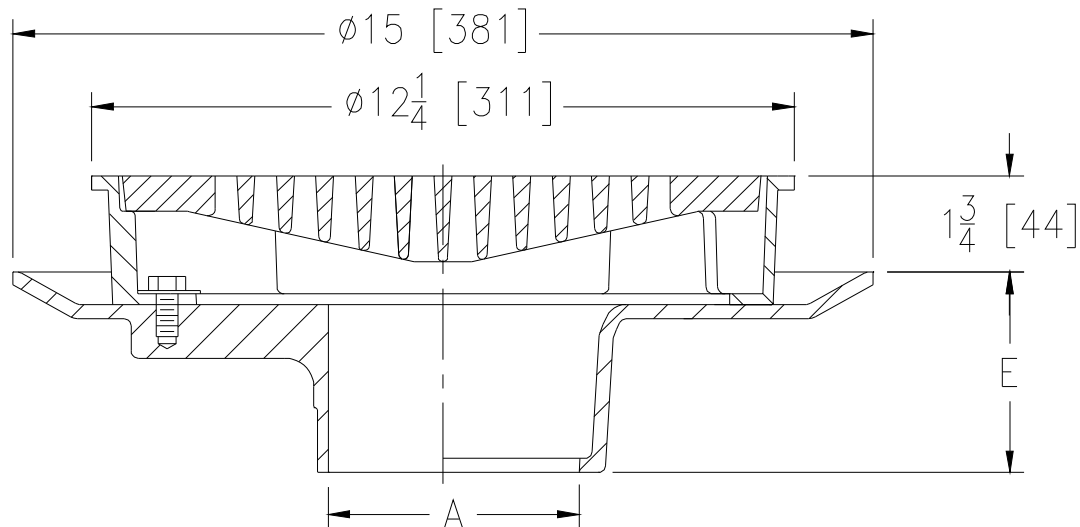
Z504

12 [305] HEAVY-DUTY DRAIN

SPECIFICATION SHEET

TAG _____

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



A- Pipe Size In.	Approx. Wt. Lbs. [kg]	Grate Open Area Sq. In. [cm ²]
3-4-6 [76-102-152]	32 [15]	30 [194]

ENGINEERING SPECIFICATION: ZURN Z504 12 [305] Diameter top drain-Dura-Coated cast iron body with bottom outlet, seepage pan and combination membrane flashing clamp and frame for heavy-duty slotted grate.

OPTIONS (Check/specify appropriate options)

PIPE SIZE

3-4-6 [76-102-152]
3-4-6 [76-102-152]
3-4-6 [76-102-152]
3-4-6 [76-102-152]
3-4 [76-102]

(Specify size/type) OUTLET

___ IC Inside Caulk
___ IG Inside Gasket
___ IP Threaded
___ NH No-Hub
___ NL Neo-Loc

'E' BODY HT. DIM.

3-1/2 [89]
3-1/2 [89]
3-1/2 [89]
3-1/2 [89]
2-5/8 [67]

PREFIXES

___ Z D.C.C.I. Body and Top*
___ ZB D.C.C.I. Body with Polished Bronze Top (Add 3/16 [5] to 1-3/4 [44] Dim. and 3/4 [20] to 12-1/4 [311] Dim.)
___ ZN D.C.C.I. Body with Polished Nickel Bronze Top (Add 3/16 [5] to 1-3/4 [44] Dim. and 3/4 [20] to 12-1/4 [311] Dim.)

SUFFIXES

___ -AR Acid Resisting Epoxy Coated Cast Iron
___ -D Dome Grate
___ -DG Duresist Grate
___ -F Extension Frame
(Specify Total Height Req'd.)
___ -G Galvanized Cast Iron
___ -H Hinged Grate
___ -HP Heel-Proof Grate
___ -HT Square Hinged Grate
___ -P Trap Primer Connection
___ -S Secondary Strainer
___ -SC Solid Cover
___ -T Square Top (Add 7/16 [11] to 1 3/4 [44] Dim.)
___ -TC Neo-Loc Test Cap Gasket
(3 - 4 [76 - 102] NL Bottom Outlet Only)
___ -TS Top Secured with Slotted Screws
___ -V Backwater Valve (See Z1099)
___ -VP Vandal-Proof Secured Top
___ -Y Sediment Bucket

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

REV. F DATE: 11/15/10 C.N. NO. 120410

DWG. NO. 58921 PRODUCT NO. Z504

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AREA DRAIN PHOTO



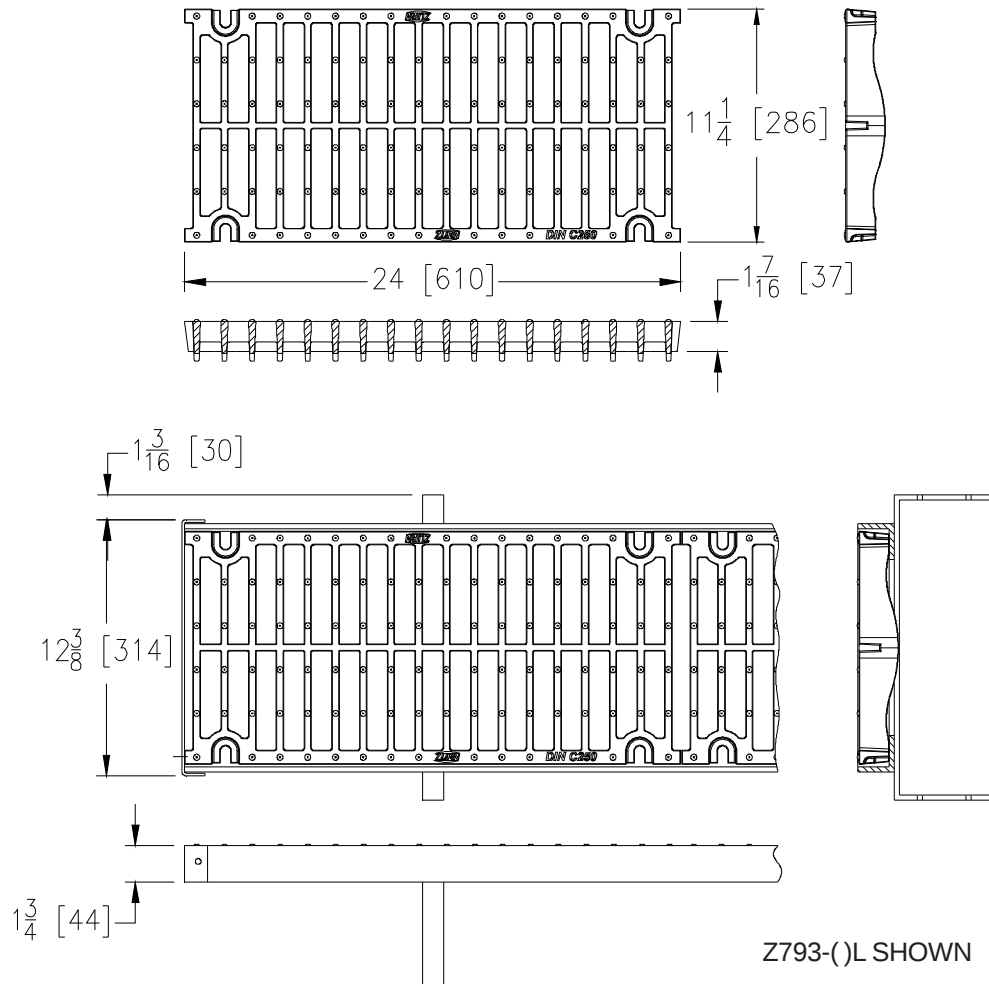


Z793 HEAVY-DUTY GRATING

SPECIFICATION SHEET

TAG _____

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



Product Number Suffix	No. of Grates w/Frames	Approx. Wt. Lbs. [kg]	Grate Open Area Sq. In. [cm ²]
Z793	Grate Only	29 [13]	162 [1045]
Z793-1F	1	47 [21]	162 [1045]
Z793-2L	2	93 [42]	323 [2084]
Z793-3L	3	143 [65]	485 [3129]
Z793-4L	4	194 [88]	646 [4168]

ENGINEERING SPECIFICATION ZURN Z793

12 X 24 [305 x 610] grate only, or Z793-()L or -()W Dura-Coated cast iron heavy-duty grating in fabricated steel frame with anchor straps.

OPTIONS (Check/specify appropriate options)**PREFIXES**

___ Z D.C.C.I. Grate(s) and Fabricated Frame*

SUFFIXES

___ -DG Duresist Grate
___ -G Galvanized Cast Iron
___ -TS Top Secured with Slotted Screws
___ -VP Vandal-Proof Secured Top
___ -()L Grating/Frame Placed in Long Dimension
___ -()W Grating/Frame Placed in Wide Dimension

Supplied By:

**TRENCHDRAIN
SUPPLY****877-903-7246****www.trenchdrainsupply.com****REV. J DATE: 10/17/11 C.N. NO. 122282****DWG. NO. 58966 PRODUCT NO. Z793**

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30cm*60cm

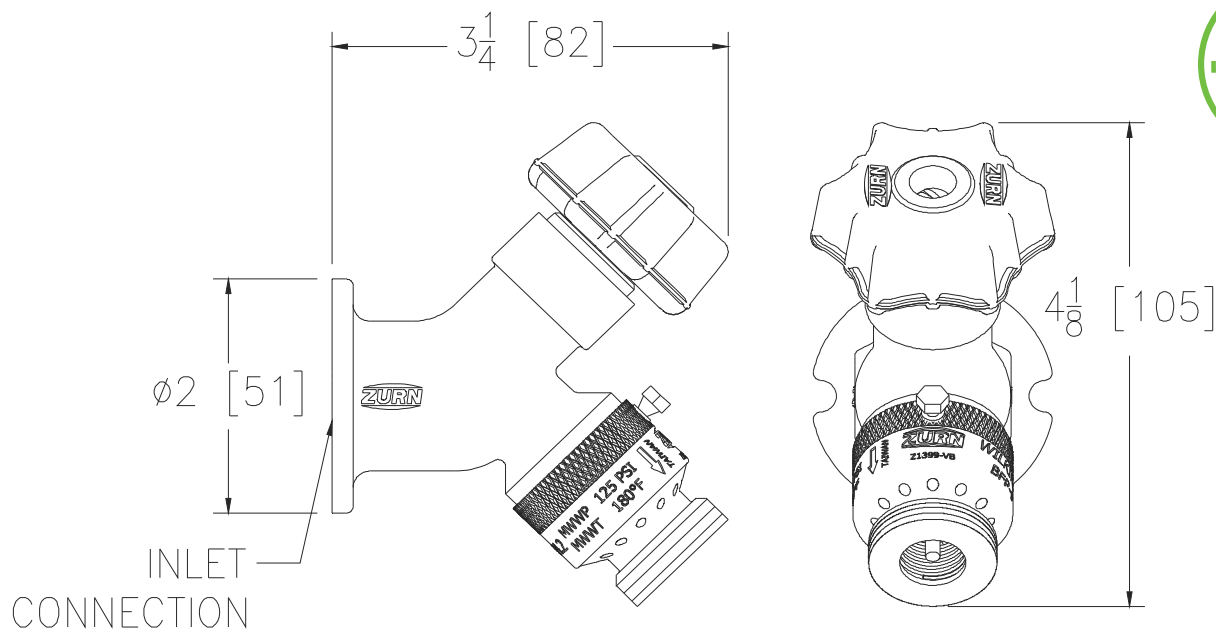


Z1341XL WALL FAUCET

SPECIFICATION SHEET

TAG _____

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



-P12 and -P34 Inlet Connection Shown

Inlet Connection	Inlet Description in [mm]	Approx. Wt. lbs [kg]
___ -C12	1/2 [13] Solder x 3/4 [19] Solder	2 [1]
___ -C12-PX	1/2 [13] PEX	2 [1]
___ -CP12	1/2 [13] Solder x 1/2 [13] MPT	2 [1]
___ -P12	1/2 [13] FPT	2 [1]
___ -P34	3/4 [19] FPT	2 [1]

ENGINEERING SPECIFICATION: ZURN Z1341XL

Exposed, lead-free, anti-siphon, moderate climate wall hydrant for residential and light commercial applications. Hydrant features Z1399-VB external vacuum breaker with 3/4" [19] male hose connection, bronze and stainless steel interior components, vandal resistant operating stem, and secured wheel-type handle. Hydrant is finished with rough bronze exterior with a choice of five different inlet connection options and includes an optional loose key.

OPTIONS (Check/specify appropriate options)

SUFFIXES

___ -PB	Polished Bronze Finish
___ -PC	Polished Chrome Finish
___ -RC	Rough Chrome Finish
___ -RK	Hydrant Parts Repair Kit

Zurn "XL" Lead-Free compliant products are a line of durable plumbing products designed and manufactured to comply with state laws and local codes that mandate maximum allowable lead content levels. Zurn "XL" products are manufactured in accordance to the Federal SWDA section 1417.

* Regularly furnished unless otherwise specified.

Zurn Industries, LLC | Specification Drainage Operation
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In Canada | Zurn Industries Limited
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Rev. -
Date: 3/23/15
C.N. No. 131803
Prod. | Dwg. No. Z1341XL

ZURN® Model 1260XL Water Hammer Arrester

Application

Ideal for use where Lead-Free* fittings are required. Designed to protect residential, commercial and industrial water lines during pressure surges following quick valve closure. This excessive pressure surge is absorbed by the pre-charged cushion of air permanently sealed within the water hammer arrester. The water hammer arrester may be installed within a stud bay without the need for an access panel.

Standards Compliance

- PDI® Certified WH-201
 - ASSE® Listed 1010
 - ANSI A112.26.1
 - Certified to NSF/ANSI 372* by IAPMO R&T
- *(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)



Materials

Body	Copper Tube (seamless, Type "L")
Tailpiece	C69300 Low Lead Brass
Piston	Polycarbonate (Sizes A and B), PVC (Sizes C-F)
O-rings	EPDM
Solder	Lead Free
Lubricant	Dow-Corning Silicone Compound #111



Features

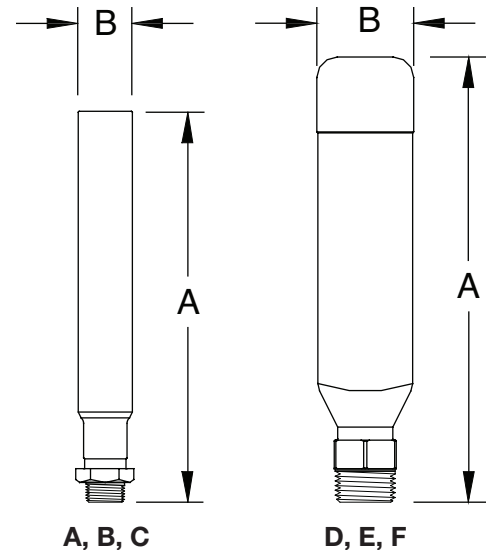
Sizes:	A, B, C, D, E, F
Temperature range	32°F to 212°F
End connections	Threaded ANSI/ASME B1.20.1

Pressure

Maximum transient pressure surge, with arrester properly sized and placed in the water supply system, will not rise above 150 psi following quick valve closure. Maximum static pressure: 250 psi. For best performance, static line pressure should not exceed 80 psi; contact the factory for proper sizing if static pressure is greater. Max spike pressure 400 psi. Nitrogen preload 60 PSI.

Dimensions & Weights (do not include pkg.)

MODEL	PDI SIZE	MNPT THREAD		DIMENSIONS (approximate)				FIXTURE UNIT CAPACITY	PIPE SIZE in.
				A		B			
		in.	mm	in.	mm	in.	mm		
1260XL-A	A	1/2	15	6 1/4	159	7/8	22	1 - 11	1/2
1260XL-B	B	3/4	20	7 1/4	184	7/8	22	12 - 32	3/4
1260XL-C	C	1	25	9 1/4	235	1 1/8	28.6	33 - 60	1
1260XL-D	D	1	25	9 1/2	241	1 3/4	44	61 - 113	1 1/4
1260XL-E	E	1	25	11 1/4	286	2 1/2	64	114 -154	1 1/2
1260XL-F	F	1	25	12	305	2 7/8	73	155 - 330	2



Specifications

The Water Hammer Arrester shall be certified to NSF/ANSI 372, consist of a copper body with a low lead brass hexagonal male pipe threaded inlet, polycarbonate or PVC piston, EPDM o-rings and lead free solder. The device shall be pre-charged and sealed at the factory. The Water Hammer Arrester shall be a ZURN WILKINS Model 1260XL.

Sizing & Placing Data

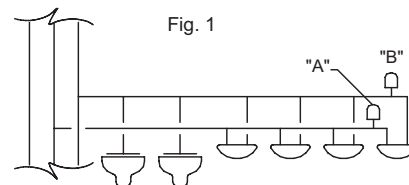
Fixture Units Sizing Information

FIXTURE	TYPES OF SUPPLY CONTROL	FIXTURE-UNITS					
		PUBLIC			PRIVATE		
		Total	C.W	H.W	Total	C.W	H.W
Water Closet	Flush Valve	8	8	N/A	5	5	N/A
Water Closet	Flush Tank	5	5	N/A	3	2 1/2	N/A
Pedestal Urinal	Flush Valve	4	4	N/A	N/A	N/A	N/A
Stall or Wall Urinal	Flush Valve	4	4	N/A	N/A	N/A	N/A
Stall or Wall Urinal	Flush Tank	3	3	N/A	N/A	N/A	N/A
Lavatory	Faucet	2	1 1/2	1 1/2	1	1	1
Bathtub	Faucet	4	2	3	2	1 1/2	1 1/2
Shower Head	Mixing Valve	4	2	3	2	1	2
Bathroom Group	Flush Valve Closet	N/A	N/A	N/A	8	8	3
Bathroom Group	Flush Tank Closet	N/A	N/A	N/A	6	6	3
Separate Shower	Mixing Valve	N/A	N/A	N/A	2	1	2
Service Sink	Faucet	3	3	3	N/A	N/A	N/A
Laundry Tubs (1-3)	Faucet	N/A	N/A	N/A	3	3	3
Combination Fixture	Faucet	N/A	N/A	N/A	3	3	3

The values shown in the Fixture Units Sizing Information table represent the standard ratings used by engineers to size water distribution systems and are also used to size water hammer arresters. Match total fixture units to correct model of water hammer arresters required from Table I. All sizing data in this brochure are based on flow velocities of 10 F.P.S. or less. The sizing method was designed with a maximum velocity of 10 F.P.S. to offer assurance that the Water Hammer Arrester is capable of handling shock of maximum intensity that may be encountered.

EXAMPLE - Fig 1
C.W. =26 Fixture Units
Needs -1260XL-B

H.W. =6 Fixture Units
Needs -1260XL-A



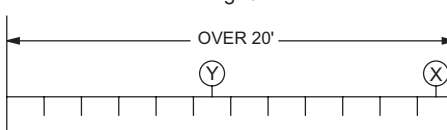
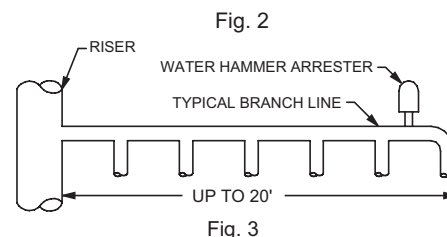
Multi-Fixture Branch Lines

Rule 1 - Branch lines of 20 feet or less.

Water Hammer Arrester should be placed at the end of the branch line between the last two fixtures served, as shown at right. Select required model using fixture unit sizing.

Rule 2 - Branch lines exceeding 20 feet.

An additional Water Hammer Arrester should be placed as shown at right. Select required models using fixture unit sizing. The sum of the fixture unit ratings of units X and Y shall be equal to or greater than the demand of the branches.



Long Runs Of Piping To Remote Equipment

Sizes for Long Runs of Piping

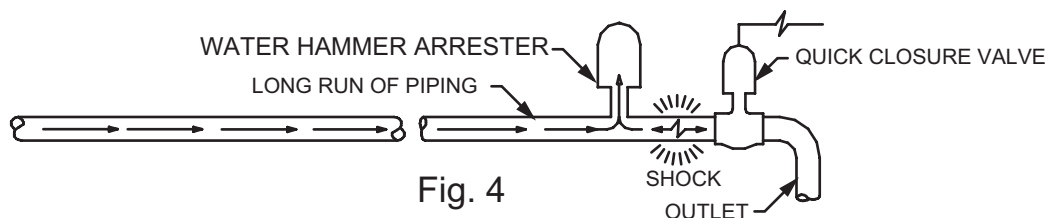
FOR FLOW PRESSURES UP 80 PSIG												
LENGTH OF PIPE	Nominal Pipe Diameter											
	1/2"		3/4"		1"		1 1/4"		1 1/2"		2"	
	*	**	*	**	*	**	*	**	*	**	*	**
25'	A	B	A	B	B	C	C	D	D	E	E	F
50'	A	B	B	C	C	D	D	E	E	F	F	CF
75'	B	C	C	D	D	E	AE	F	F	CF	EF	FF
100'	C	D	D	E	E	F	F	CF	CF	EF	FF	EFF
125'	C	D	D	E	E	CF	AF	DF	EF	FF	EFF	BFFF
150'	D	E	E	F	F	CF	DF	FF	FF	DF	FFF	FFFF

* Flow Pressures up to 65 psig

**Flow Pressures over 65 psig and up to 80 psig

When long runs of piping are employed to serve a remote item of equipment, the Water Hammer Arrester should be located as close as possible to the point of quick closure (see Fig. 4).

The size and quantity of Water Hammer Arrester to be installed in branch lines is shown in Table III. Ideally, the flow pressure in branch lines serving fixtures should never exceed 55 PSIG. Pressure reducing valves should be installed to maintain proper pressure. When, however, flow pressures of 65 to 80 PSIG are used, the next larger size Water Hammer Arrester should be selected (see table Sizes for Long Runs of Piping).



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CERTIFICATE OF LISTING

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

The most updated information on this Certificate of Listing is available online at pld.iapmo.org

Effective Date: July 2017

Void After: July 2018

Product: Lead Free Plumbing Products

File No. 6252

Issued To: Zurn Wilkins
1747 Commerce Way
Paso Robles, CA 93446

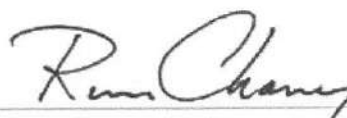
Identification: Each product shall bear permanent and legible markings to identify the manufacturer. This marking shall be the trade name, trademark, or other mark known to identify the manufacturer. The product shall bear the appropriate IAPMO R&T certification mark. The product may also bear either "Lead Free" or "Low Lead" above or in close proximity to the IAPMO R&T certification mark.

Characteristics: Products may include any pipe, pipe fitting, solder, flux, or other plumbing products providing water for human consumption. Products listed below are to be installed in accordance with the manufacturer's instruction. These products have been verified with weighted average lead content $\leq 0.25\%$; Solder and flux lead content $\leq 0.2\%$.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following standard(s):
Section 1417(d) of the Safe Drinking Water Act


Chairman, Product Certification Committee


CEO, The IAPMO Group

This listing period is based upon the last date of the month indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Production or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing. This document shall be reproduced in its entirety.



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Void After: July 2018

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Issued To: Zurn Wilkins

The lead content requirements of Section 116875 of the California Health &
Safety Code

NSF/ANSI 372-2011

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MODELS:

<u>Model No.</u>	<u>Description</u>
1061XL	Lead-Free Slip Joint (1/2")
1062XL	Lead-Free Slip Joint (3/4")
1063XL	Lead-Free Slip Joint (1")
1103XL	Lead-Free Slip Joint Tee (3/4")
1106XL	Lead-Free Slip Joint Tee (1")
1250XL	Lead-Free Water Hammer Arrestor A, B, C
310	Lead-Free Single Check, Flanged (4", 6", 8")
310G	Lead-Free Single Check, Grooved (4", 6", 8")
350	Lead-Free DC Flanged (2-1/2", 3", 4", 6", 8", 10", 12")
350A	Lead-Free DC Grooved (2-1/2", 3", 4", 6", 8", 10")
350AR	Lead-Free DC Grooved w/Retrofit Spool (2-1/2", 3", 4", 6", 8", 10")
350AST	Stainless Steel DC Grooved (2 1/2", 3", 4", 6", 8", 10")
350XL	Lead-Free DC (3/4", 1", 1-1/4", 1-1/2", 2")
35XL	Lead-Free AVB (1/4", 1/2", 3/8", 3/4", 1", 1-1/4", 1-1/2", 2")
35XLCH	Lead-Free AVB (1/2")
35XLPCB	Lead-Free AVB (1/2")
35XLVCH	Lead-Free AVB (1/4")
375	Lead-Free RP Flanged (2-1/2", 3", 4", 6", 8", 10")
375A	Lead-Free RP Grooved (2-1/2", 3", 4", 6", 8", 10")
375AMS	Lead-Free RP Grooved w/Monitor Switch (2-1/2", 3", 4", 6", 8", 10")
375AR	Lead-Free RP Grooved w/Retrofit Spool (2-1/2", 3", 4", 6", 8", 10")
375AST	Stainless Steel RP Grooved (2 1/2", 3", 4", 6", 8", 10")
375MS	Lead-Free RP Flanged w/Monitor Switch (2-1/2", 3", 4", 6", 8", 10")
375ST	Stainless Steel RP 1/2", 3/4", 1"
375XL	Lead-Free RP (1/2", 3/4", 1", 1-1/4", 1-1/2", 2")
420XL	Lead-Free PVB (1/2", 3/4", 1")
450	Lead-Free DC (2-1/2", 3", 4", 6", 8", 10")
450V	Lead-Free DC Vertical Up (2-1/2", 3", 4", 6", 8", 10")
460XL	Lead-Free SVB (3/8", 1/2", 3/4", 1")
475	Lead-Free RP (2-1/2", 3", 4", 6", 8", 10")
475MS	Lead-Free RP w/Monitor Switch (2-1/2", 3", 4", 6", 8", 10")
475V	Lead-Free RP Vertical Up (2-1/2", 3", 4", 6", 8", 10")
475VMS	Lead-Free RP Vertical Up w/Monitor Switch (2-1/2", 3", 4", 6", 8", 10")
48	Gate Valve (2-1/2", 3", 4", 6", 8", 10", 12")
49	Butterfly Valve (2-1/2", 3", 4", 6", 8", 10")
500XL	Lead-Free PRV 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3"
500XLFC	Lead-Free Flanged PRV (2", 2-1/2", 3")
500XLYSBR	Lead-Free PRV w/strainer (1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3")
510XL	Lead-Free PRV (1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3")
510XLFC	Lead-Free Flanged PRV (2", 2-1/2", 3")
600XL	Lead-Free PRV 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"
610XL	Lead-Free PRV (1/2", 3/4", 1", 1-1/4", 1-1/2", 2")
700XL	Lead-Free Dual Check (1/4", 3/8", 1/2", 3/4", 1")
700XLFP	Lead-Free Backflow (1", 1 1/4", 1 1/2") (C, FM)
705	Lead-Free Dual Check 3/4", 1"

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70XL	Lead-Free PRV Single Union (3/4", 1")
720AXL	Lead-Free PVB 1/2", 3/4", 1"
730	Lead-Free Lab Faucet Vacuum Breaker (3/8")
730FM	Lead-Free Lab Faucet Vacuum Breaker (3/8")
735	Lead-Free Lab Faucet Vacuum Breaker (1/4", 3/8")
735CH	Lead-Free Lab Faucet Vacuum Breaker (3/8")
740	Stainless Steel Carbonated Beverage Backflow Preventer 3/8"
850UXL	Lead-Free Union Ball Valve (3/4", 1", 1-1/4", 1-1/2", 2")
850XL	Lead-Free Ball Valve (3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2")
860XL	Lead-Free Test Cock (1/8", 1/4")
950XLT2	Lead-Free DC 3/4", 1", 1-1/4", 1-1/2", 2"
950XLT2U	Lead-Free DC w/Union Ball Valves (3/4", 1", 1-1/4", 1-1/2", 2")
975XL2	Lead-Free RP 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"
975XL2BMS	Lead-Free RP w/Battery Monitor Switch (3/4", 1", 1-1/4", 1-1/2", 2")
975XL2MS	Lead-Free RP w/Monitor Switch (3/4", 1", 1-1/4", 1-1/2", 2")
975XL2SE	Lead-Free RP w/Street Elbows (3/4", 1", 1-1/4", 1-1/2", 2")
975XL2SEU	Lead-Free RP w/Street Elbows and Union Ball Valves (3/4", 1", 1-1/4", 1-1/2", 2")
975XL2TCU	Lead-Free RP w/Test Cocks Up (1/2", 3/4", 1", 1-1/4", 1-1/2", 2")
975XL2U	Lead-Free RP w/Union Ball Valves (3/4", 1", 1-1/4", 1-1/2", 2")
975XL2V	Lead-Free RP w/Union Swivel Elbows (3/4", 1")
975XLST	Stainless Steel RP 1/4", 3/8", 1/2"
BVECXL	Lead-Free Pressure Relief Valve, NPT (1/8", 3/4", 1")
BVECXLC	Lead-Free Pressure Relief Valve, Copper Sweat (3/4")
BVECXLP	Lead-Free Pressure Relief Valve, PEX (3/4")
DUXLC	Lead-Free Dielectric Union FNPT X FC 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3"
DUXLM	Lead-Free Dielectric Union FNPT X MNPT 1/2", 3/4"
FLS	Valve Setter (2-1/2", 3", 4", 6", 8", 10")
FSC	Import Iron Strainer, Epoxy Coated (2-1/2", 3", 4", 6", 8", 10")
FSC-DOM	Domestic Iron Strainer, Epoxy Coated (2-1/2", 3", 4", 6", 8", 10")
FS-DOM	Domestic Iron Strainer (2-1/2", 3", 4", 6", 8", 10")
MJFS	Valve Setter (3", 4", 6", 8", 10")
MJS	Valve Setter (3", 4", 6", 8", 10")
NR3XL	Lead-Free PRV Single Union 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"
NR3XLDULURFK	Lead-Free PRV retrofit kit for model 70DU 3/4", 1-1/4", 1-1/2", 2"
P1500XL	Lead-Free Pressure Relief Valve (1/2", 3/4")
P1520XL	Lead-Free Pressure Relief Valve (1/2", 3/4")
P1550XL	Lead-Free Pressure Relief Valve (1/2", 3/4")
REMXL	Lead-Free PRV SINGLE UNION (3/4", 1")
REMXL3P	Lead-Free PRV 3-Port (3/4", 1")
SXL	Lead-Free Import Strainer FNPT X FNPT 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3"
SXLC	Lead-Free Import Strainer FC X FC 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3"
TPKXLCR	Lead-Free Tailpiece Kit, Copper Sweat Fitting for Retrofit (3/4", 1")
TPKXLPFR	Lead-Free Tailpiece Kit, Push Fitting for Retrofit (3/4", 1")
VR10XL	Lead-Free Vacuum Relief Valve (1/2", 3/4")
WBR	(10" size)
WBR	Stainless Steel In Building Riser, Grooved (4", 6", 8", 10")

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WBR-F	(10" size)
WBR-F	Stainless Steel In Building Riser, Flanged (4", 6", 8", 10")
YBXL	Lead-Free Domestic Strainer FNPT X FNPT (1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3")
YBXL	Lead-Free Domestic Strainer FC X FC (1/2", 3/4", 1", 1-1/4", 1-1/2", 2")
YBXL	Lead-Free Domestic Strainer w/Plug (1/2", 3/4", 1", 1-1/4", 1-1/2", 2")
ZW1017XL	Lead-Free Thermostatic Mixing Valve, ASSE 1017 (3/8", 1/2", 3/4", 1")
ZW1070XL	Lead-Free Thermostatic Mixing Valve, ASSE 1070 (3/8", 1/2", 3/4", 1")
ZW200	Lead-Free ACV 150lb Flange (1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW200G	Lead-Free ACV Grooved (1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW200TH	Lead-Free ACV NPT (1-1/4", 1-1/2", 2")
ZW200Y	Lead-Free ACV 300lb Flange (1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW204	Lead-Free ACV Float Valve (1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW205	Lead-Free ACV Pressure Relief/Sustain Valve (1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW206	Lead-Free ACV Solenoid Control Valve (1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW207	Lead-Free ACV Excess Pressure Shutdown Valve (1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW209	Lead-Free ACV PRV 150lb Flange (1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW209BP	Lead-Free ACV Pressure Reducing Valve w/Low Flow Bypass (1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW209E	Lead-Free ACV Pressure Reducing Valve w/Solenoid Shutoff (1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW209G	Lead-Free ACV PRV Grooved (1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW209H	Lead-Free ACV Pressure Reducing/Sustaining Valve (1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW209Q	Lead-Free ACV Pressure Reducing w/Downstream Surge Protection (1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW209TH	Lead-Free ACV PRV NPT (1-1/4", 1-1/2", 2")
ZW209Y	Lead-Free ACV PRV 300lb Flange (1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW218	Lead-Free ACV Slow Closed Check Valve (1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 6", 8", 10")
ZW3870XLT	Lead-Free Thermostatic Mixing Valve, ASSE 1070 (3/8")
ZW3870XLT-4P	Lead-Free Thermostatic Mixing Valve, ASSE 1070 (3/8")

Pressure Reducing Valve Suffix:

(NONE) indicates standard with single union FNPT inlet x FNPT outlet (1/2" thru 2") and less union (2-1/2" & 3")

BP indicates tapped and plugged for 3/4" bypass connection

C indicates copper sweat connection (1/2" thru 2")

CH indicates chromed stem and plunger

CM indicates male copper sweat connection (3/4"-1")

CPVC indicates CPVC tailpiece connection (1/2"-1")

CR indicates extended copper sweat tailpiece for retrofit (3/4"-1")

DM indicates double male meter connection (3/4"-1")

DU indicates double union connection (used with C, CM, CPVC, LU, PEX tailpiece options)

EC indicates tapped with BVECXL relief valve (1/2"-1")

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FSC indicates flanged epoxy coated iron "Y" strainer
G indicates tapped and plugged with 0-100 psi gauge included
HLR indicate High/Low Range 10 psi to 125 psi spring range, factory set at 50 psi
HR indicates High Range 75 psi to 125 psi spring range, factory set at 85 psi
(field set 2 1/2" & 3")
HTSTSC indicates Hi temp application, 180°F maximum temp, stainless steel trim, spring,
sealed cage
L indicates less integral by-pass check valve (3/4"-2")
LP indicates Low Range 10 psi to 35 psi spring range
LPC indicates 140°F maximum temp with 10 psi to 35 psi spring range, factory set at 20 psi
LPV indicates 180°F maximum temp with 10 psi to 35 psi spring range, factory set at 20 psi
LU indicates no union connection
P indicates tapped and plugged for gauge
PEX indicates PEX tailpiece connection (1/2" - 1")
PFR indicates extended push fitting tailpiece for retrofit (3/4"-1")
SC indicates sealed cage bell housing and stainless steel adjustment screw
SS indicates sealed cage bell housing and stainless steel adjustment screw and spring
SW indicates valve made for salt water service

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The most updated information on this Certificate of Listing is available online at pld.iapmo.org

Effective Date: October 2017

Void After: October 2018

Product: Lead Free Plumbing Products

File No. 6348

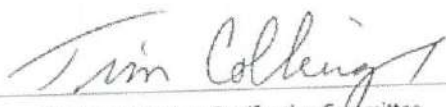
Issued To: Zurn Industries, LLC
3700 Regency Parkway
Suite 100
Cary, NC 27518

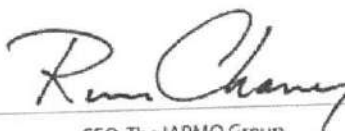
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Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following standard(s):


Chairman, Product Certification Committee


CEO, The IAPMO Group

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CERTIFICATE OF LISTING

Void After: October 2018

Product: Lead Free Plumbing Products

File No. 6348

Issued To: Zurn Industries, LLC

Section 1417(d) of the Safe Drinking Water Act

The lead content requirements of Section 116875 of the California Health & Safety
Code

IAPMO RESEARCH AND TESTING, INC.

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Product: Lead Free Plumbing Products

Issued To: Zurn Industries, LLC

MODELS:

AquaSpec Faucet

Z803xy-XL-z	Single wall slow closing metering faucet
Z81000-XL-z	Deck Mount Integral Spout, 4" Centers, Mixing Faucet
Z810xy-XL-z	Deck Mount Integral Spout, 4" Centers, Mixing Faucet
Z811xy-XL-z	Deck Mount Integral Spout Faucet, 4" Centers
Z812xy-XL-z	Deck Mount Gooseneck Spout Faucet, 4" Centers
Z813xy-XL-z	Single wall faucet
Z821x0-XL-WM-z	Wall Mount, spout base assembly
Z821x0-XL-z	Deck Mount, spout base assembly
Z827xy-XL-z	Deck Mount Integral Spout Single Hole Faucet
Z831xy-XL-z	Deck Mount Widespread Faucet, Adjustable Centers
Z836xy-XL-z	Deck Mounted Bubbler Faucet
Z841xy-XL-z	Wall Mounted Faucet, with integral supply stops and long supply arms
Z842xy-XL-z	Wall Mounted Faucet, Adjustable Centers
Z843xy-XL-z	Wall Mounted Faucet, with integral supply stops and short supply arms
Z86000-XL-z	Deck Mount metering mixing faucet, 4" centers
Z861xy-XL-z	Deck Mount Integral Spout Single Hole Metering Faucet
Z863xy-XL-z	Deck Mount Integral Spout Single Hole Metering Faucet
Z865xy-XL-z	Deck Mount Integral Spout Metering Faucet, 4" Centers
Z866xy-XL-z	Deck Mount Gooseneck Spout Metering Faucet, 4" Centers
Z867xy-XL-z	Deck Mount Widespread Metering Faucet, Adjustable Centers
Z871xy-XL-z	Deck Mount Gooseneck Spout Faucet, 8" Centers

303507001	Swivel aerator assembly
59517005	Cartridge, 1/4 turn ceramic, cold, short stem
59517006	Cartridge, 1/4 turn ceramic, hot, short stem
59517007	Cartridge, 1/4 turn ceramic, cold, long stem
59517008	Cartridge, 1/4 turn ceramic, hot, long stem
59520003	Atmospheric vacuum breaker, 1/2", PC
59520004	Atmospheric vacuum breaker, 1/2", RC
60951002	Atmospheric vacuum breaker, 3/8", PC
92417001	1.0 gpm spray outlet
92418001	1.0 gpm vandal resistant spray outlet
92419001	0.5 gpm vandal resistant spray outlet
93521001	Adapter, VB inlet 1.78" long
93521002	Adapter, VB inlet 1.21" long
93521003	Adapter, VB inlet 7.35" long
G60561	Handle nut assembly for slow closing metering faucet
G61321	5H, Hose assembly, 5'
G61754	Slow closing metering cartridge
G62619	2F, 2.2 gpm vandal resistant aerator
G62620	3F, 0.5 gpm vandal resistant spray outlet
G62621	4F, 2.2 gpm vandal resistant laminar outlet
G62682	Self closing valve for bubbler
G63504	1 F, 2.2 gpm aerator
G63505	1 M, 2.2 gpm aerator

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Void After: October 2018

File No. 6348

Product: Lead Free Plumbing Products

Issued To: Zurn Industries, LLC

G63506	2M, 2.2 gpm vandal resistant aerator
G63507	3M, 0.5 gpm vandal resistant spray outlet
G63508	4M, 2.2 gpm vandal resistant laminar outlet
G63561	7F, 1.0 gpm spray outlet
G66625	15F, full flow outlet, female
G66626	15M, full flow outlet, male
G66695	17F, 1.5 gpm vandal resistant aerator
G66695	23M, 1.5 gpm aerator
G66696	7M, 1.0 gpm spray outlet
G66697	16F, 1.0 gpm vandal resistant spray outlet
G66698	16M, 1.0 gpm vandal resistant spray outlet
G66699	17M, 1.5 gpm vandal resistant aerator
G66699	23F, 1.5 gpm aerator
G66700	18F, 1.5 gpm vandal resistant laminar outlet
G66701	18M, 1.5 gpm vandal resistant laminar outlet
G67774	14F, 2.2 gpm laminar outlet
G67775	14M, 2.2 gpm laminar outlet
G67787	Filter assembly for slow closing metering faucet
G67795	19F, 1.5 gpm laminar outlet
G67796	19M, 1.5 gpm laminar outlet
G67814	21 M, 1.0 gpm laminar outlet
G67815	22M, 1.0 gpm vandal resistant laminar outlet
G67816	21 F, 1.0 gpm laminar outlet
G67817	22F, 1.0 gpm vandal resistant laminar outlet
G67850	1.5 gpm aerator
G67851	A, 3-1/2" Centerline Gooseneck spout
G67852	B, 5-3/8" Centerline Gooseneck spout
G67853	C, 8" Centerline Gooseneck spout
G67854	C, 10" Centerline Gooseneck spout
G67856	A-FC, 3-1/2" Centerline Gooseneck spout with flow control
G67857	B-FC, 5-3/8" Centerline Gooseneck spout with flow control
G67858	C-FC, 8" Centerline Gooseneck spout with flow control
G67859	C, 10" Centerline Gooseneck spout with Flow Control
G67860	IN, institutional metering handle, hot
G67861	IN, institutional metering handle, cold
G67862	IN, institutional metering handle, tempered
G67866	R, 5" cast spout for flex hose connection with pop-up drain hole
G67867	R, 5" cast spout for flex hose connection
G67868	R, 5" cast spout for ICT connection
G67869	R, 5" cast spout for ICT connection with pop-up drain hole
G67875	LSI, Long supply arm assembly for service sink faucet
G67882	SSI, Short supply arm assembly for service sink faucet
G67890	F, 6" cast spout
G67891	G, 8" cast spout
G67892	H, 12" tubular brass swing spout
G67893	I, 14" tubular brass swing spout
G67894	J, 9-1/2" tubular brass swing spout
G67895	K, 13" double jointed swing spout

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Void After: October 2018

File No. 6348

Product: Lead Free Plumbing Products

Issued To: Zurn Industries, LLC

G67903	HS, Hose spray assembly, 48"
G67904	HS6, Hose spray assembly, 72"
G67905	HS, Hose spray assembly, 48"
G67906	LSI-CS, Long supply arm assembly with check stop for service sink faucet
G67907	SSI-CS, Short supply arm assembly with check stop for service sink faucet
G67910	MY, Mixing yoke
G67930	faucet spout base assembly, deck mounted
G67931	CS, check stop assembly, 1/2 NPSM
G67935	faucet spout base assembly, wall mounted
G67944	M, 6-1/2" cast vacuum breaker spout with wall brace, PC
G67944	M, 6-1/2" cast vacuum breaker spout with wall brace, RC
G67952	CS, check stop fitting for supply arms
G67964	Y, 6-1/4" centerline double bend spout
Z800X0-XL	X, pre-rinse unit

Z7870C-XL-z 8" kitchen faucet with single control mixing cartridge
 Z7872C-XL-z 8" kitchen faucet with single control mixing cartridge and hose spray
 Z82200-XL-18FH-z Single control faucet with 5" spout and 18" supply hoses
 Z82200-XL-z Single control faucet with 5" spout
 Z82200-XL-CST Single control faucet with 5" spout and copper supply hoses
 Z82300-XL-18FH-z Single control faucet with 10" swing spout and 18" supply hoses
 Z82300-XL-z Single control faucet with 10" swing spout
 Z82300-XL-CST Single control faucet with 10" swing spout and copper supply hoses
 Z82400-XL-z Single control faucet with remote spout
 Z82400-XL-CST Single control faucet with remote spout and copper supply hoses
 Z82400-XL-18FH-z Single control faucet with remote spout and 18" supply hoses
 Z825xy-XL-z Single laboratory faucet
 Z826xy-XL-z Double laboratory faucet
 Z826xy-XL-CST-z Double laboratory faucet with copper supply tubes
 Z85100-z Single foot pedal valve
 Z85500-z Double foot pedal valve

x = spout option (0, A, B, C, DJ-18, FC, F, G, H, I, J, K, M, P, R, S, T, U, V, X, Y)
 y = handle option (0, 1, 2, 3, 4, 6, 7, RKR, EXT, IN)
 z = miscellaneous option (XL, 1F, 1M, 2F, 2M, 3F, 3M, 4F, 4M, 5H, 7F, 7M, 9F, 9M, 10F, 10M, 140, 14F, 14M, 15F, 15M, 16F, 16M, 17F, 17M, 18F, 18FH, 18M, 19F, 19M, 21F, 21M, 22F, 22M, 23M, 23F, AF, CST, CWO, CS, DJ-18, DM, EVB, FC, FC0.5, FC1.0, FC1.5, FC2.0, G, H24, H36, H48, H60, H72, HS, HS6, ICT, LA, LSI, MY, P, PC, PF1, PR1, PT, RC, SE, SO, SSI, TWM, VC, VP, WM)

New z options:

G62741	AF, add-on adapter faucet assembly
G67889	Metering cartridge re-build kit
G67922	Pair short stem 1/4 turn ceramic cartridges
G67923	Pair long stem 1/4 turn ceramic cartridges
G67933	Copper supply tube assembly, 11"
G67934	Copper supply tube assembly, 12"
G67948	Self closing valve cartridge

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Void After: October 2018

File No. 6348

Product: Lead Free Plumbing Products

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G67963 S, 8" bent riser spout
G67983 A-140, 3-1/2" centerline gooseneck spout, restricted swing
G67984 B-140, 5-3/8" centerline gooseneck spout, restricted swing
G67985 C-140, 8" centerline gooseneck spout, restricted swing
G67986 S-140, 8" centerline bent riser spout, restricted swing
G67987 J-140, 9-1/2" centerline spout, restricted swing
G67988 Supply stop assembly for foot pedal valve
G67989 P, 2-1/2" centerline vacuum breaker spout
G67990 T, 4-1/2" centerline vacuum breaker gooseneck spout
G67991 U, 6" centerline vacuum breaker gooseneck spout
G67992 V, 8" centerline vacuum breaker gooseneck spout
G67994 K-DJ18, 18" double jointed cast swing spout
G67995 DM, deck mounted supply arm assembly
G67996 9M, swivel aerator assembly, male
G67997 9F, swivel aerator assembly, female
G67999 10M, 3/4 garden hose threaded outlet, male
G68000 MY-CS, mixing yoke with check stop
G68001 10F, 3/4 garden hose threaded outlet, female
G68002 MY, mixing yoke assembly
G68003 15M, full flow outlet, male
G68004 15F, full flow outlet, female
G68005 MR-CS, mixing yoke with check stop
G68009 DM-CS, deck mounted supply arm assembly with check stop
G68061 B, 5-3/8" Centerline Gooseneck spout with Flow Control (11.6" H)
G68062 B, 5-3/8" Centerline Gooseneck spout with Flow Control (10.3" H)
G68063 B, 5-3/8" Centerline Gooseneck spout (12.3" H)
RK7872C-XL-21 - Hose spray assembly, 48"
RK7872C-XL-CART - Mixing cartridge, single control ceramic
RK7872C-XL-94 - 2.2 gpm aerator
RK7872C-XL-94FC - FC, 0.5 gpm vandal resistant spray outlet
RK7872C-XL-94LA - LA, 2.2 gpm laminar flow outlet
RK7972C-XL-SO - SO, 1.0 gpm spray outlet
RK7872C-XL-94VP - VP, 2.2 gpm vandal resistant aerator
Z80000-XL-24 - H24, pre-rinse hose, 24"
Z80000-XL-36 - H36, pre-rinse hose, 36"
Z80000-XL-48 - H48, pre-rinse hose, 48"
Z80000-XL-60 - H60, pre-rinse hose, 60"
Z80000-XL-72 - H72, pre-rinse hose, 72"
Z80000-XL-ADPT - AF, add-on (adapta) faucet assembly
Z80000-XL-EVB - EVB, elevated vacuum breaker assembly
Z80000-PF1 - PF1, pot filler valve assembly
Z80000-PR1 - PR1, pre-rinse valve assembly
Z80000-XL-SE - SE, supply ell assembly
Z80000-XL-VC - VC, volume control for foot pedal valve assembly
63233001 - Mixing cartridge, single control ceramic
80242001 - Mixing cartridge, single control ceramic
93318012 - supply hose, 5/16 male x female compression, 12"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Void After: October 2018

File No. 6348

Product: Lead Free Plumbing Products

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Sierra Faucet

Z744y-XL-z

Z744y-XL-BA-z

Faucet, deck Mount Integral Spout, 4" Centers, Mixing
Faucet, deck Mount Integral Spout, 4" Centers, Mixing

y = drainage option (0, 1, 2, 3, 4)
z = miscellaneous option (CST, FC, LA, LP, SO, VP, VP1.5)

RK7440-94

RK7440-94SO

7440-94VP/WK

RK7440-94-VP1.5

7440-94FC/WK

7440-94LA

LP

2.2 gpm aerator
SO, 1.0 gpm spray outlet
VP, 2.2 gpm vandal resistant aerator
VP1.5, 1.5 gpm vandal resistant aerator
FC, 0.5 gpm vandal resistant spray outlet
LA, 2.2 gpm laminar flow outlet
Loop handle

Lavatory Supplies

Z8802-XL-z

Z8804-XL-z

Z8808-XL-z

ZH8822-XL-z

ZH8824-XL-z

ZH8820-XL-LRXPCE-4-z

ZH8822-XL-LRXPCE-4-z

ZH8824-XL-LRXPCE-z

ZH8827-XL-LRXPCE-z

Z8802y-XL-Q-z

Angle Stop, 1/2" IPS x 3/8" OD
Angle Stop, 1/2" Nominal x 3/8" OD
Angle Stop, 1/2" Sweat x 3/8" OD
Angle Stop, Heavy Duty, 1/2" IPS x 3/8" OD
Angle Stop, Heavy Duty, 1/2" Nominal x 3/8" OD
Supply Kit 3/8" IPS x 3/8" 00
Supply Kit 1/2" IPS x 3/8" 00
Supply Kit 1/2" Nominal x 3/8" 00
Supply Kit 1/2" Sweat x 3/8" 00
Angle stop, 1/2 IPS x 3/8 OD, quarter turn

z = miscellaneous option (15, 20, 30, 36, 8860-12, 8860-16, 8860-20, A, C1, CE, 0, HCl, LK,

LR, PC,

WD, XP, additional suffix letters to indicate color or finish)

15

20

30

36

8860-12

8860-16

8860-20

A

C1

CE

D

HCl

LR

PC

WD

XP

15" Copper supply tube
20" Copper supply tube
30" Copper supply tube
36" Copper supply tube
12" Braided stainless steel supply hose
16" Braided stainless steel supply hose
20" Braided stainless steel supply hose
One-half of lavatory kit pair
Lock shield caps (standard line)
Cast brass escutcheon with setscrew, chrome plated
Steel deep flange escutcheon, chrome plated
Lock shield caps (heavy-duty line)
Lavatory riser kit
Polished chrome finish
Wrought brass deep flange escutcheon, chrome plated
Cross handle

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CERTIFICATE OF LISTING

Void After: October 2018

File No. 6348

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Flexible Lavatory Supply Hoses

Z8860-XL-z	supply hose, 3/8 compression x 1/2 FIP
Z8861-XL-z	supply hose, 1/2 FIP x 1/2 FIP
Z8862-XL-z	supply hose, 1/2 compression x 1/2 FIP
Z8863-XL-z	supply hose, 3/8 compression x 3/8 00

z = hose length option (12,16,20,30,36,60)

AquaSense Electronic Sensor Faucets

<u>Model No.</u>	<u>Description</u>
Z6913-XL-z	Deck Mount Sensor-operated Faucet (Three Hole)
Z6915-XL-z	Deck Mount Sensor-operated Faucet
Z6920-XL-x-z	Deck Mount Goose Neck Sensor-operated Faucet
Z6920XT-XL-x-z	Deck Mount Goose Neck Sensor-operated Faucet (Extended Range Sensor)
Z6923-XL-x-z	Deck Mount Goose Neck Sensor-operated Faucet
Z6922-XL-x-z	Wall Mount Goose Neck Sensor-operated Faucet
Z6922XT-XL-x-z	Wall Mount Goose Neck Sensor-operated Faucet (Extended Range Sensor)
Z6930-XL-z	Deck Mount Sensor-operated Faucet
Z6950-XL-IM-S-z	Deck Mount Sensor-operated Faucet with Integral Mixing Valve
Z6950-XL-S-z	Deck Mount Sensor-operated Faucet
Z6951-XL-z	Havasu Sensor-Operated Lav Faucet
Z6955-XL-S-z	Deck Mount Sensor-operated Faucet (Three Hole)
Z6957-XL-z	NACHI Wall-Mounted Sensor Lavatory Faucet

x = spout options (0, GA, GA-FC, GB, GB-FC, GC, GC-FC, GC-10, GC-10-FC)

-GA	G67851 3-1/2" centerline gooseneck spout
-GA-FC	G67856 3-1/2" centerline gooseneck spout with Flow Control
-GB	G67852 5-3/8" centerline gooseneck spout
-GB-FC	G67857 5-3/8" centerline gooseneck spout with Flow Control
-GC	G67853 8" centerline gooseneck spout
-GC-FC	G67858 8" centerline gooseneck spout with Flow Control
-GC-10	G67854 10" centerline gooseneck spout
-GC-10-FC	G67859 10" centerline gooseneck spout with Flow Control

z = miscellaneous options (ACA, ADM, CP4, CP8, CWB, E, F, GEN, HW6, J, K, L, M, MJ, MV, N, SH, SSH, TMV-1, XT)

-ACA	P6900-ACA, P6957-ACA, 6 VDC A/C Plug-In Adapter
-ADM	P6900-ADM-XL, Above-Deck Mixer
-BN	Brushed Nickel
-CP4	P6900-CP4, 4" Cover plate
-CP8	P6900-CP8, 8" Cover plate
-CWB	P6900-CWB, connecting wire for power converter

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Void After: October 2018

File No. 6348

Product: Lead Free Plumbing Products

Issued To: Zurn Industries, LLC

-GEN	P6900-GEN-XL, hydro generator power
-HW6	P6000-HW6, hardwired power converter
-MJ	P6000-MJ, mini junction box
-MT	P6900-MT-XL, mixing tee
-MV	P6900-MV-XL, manual mixing valve
-PB	Polished Brass
-PN	Polished Nickel
-TMV-1	P6900-TMV-1, thermostatic mixing valve for single faucet
-SH	P6900-SH, three piece supply hose assembly
-SSH	P6900-SSH, single supply hose
-FC2.0	2.0 GPM Flow Control (93446001)
-FC1.5	1.5 GPM Flow Control (93445001)
-FC1.0	1.0 GPM Flow Control (93444001)
-FC0.74	0.74 GPM Flow Control (200455001)
-FC0.5	0.5 GPM Flow Control (93443001)
-20E-GN-CG	1.5 GPM spray outlet, with Careguard, female (200080001)
-20E-CG	1.5 GPM spray outlet, with Careguard, male (200082001)
XT	Extended Range Sensor
z=	miscellaneous options (ACA, ADM, CP4, CP8, CWB, E, F, GEN, HW6, J, K, L, M, MJ, MV, N, SH, SSH, TMV-1, XT)

Aerators

<u>Model No.</u>	<u>Description</u>
P6930-20N	-N, 0.5 GPM vandal resistant hidden laminar flow, male (200457001)
P6930-20M	-M, 0.35 GPM vandal resistant hidden spray outlet, male (310233006)
P6930-20L	-L, 1.0 GPM vandal resistant hidden spray outlet, male (310233003)
P6930-20K	-K, 1.0 GPM vandal resistant hidden laminar flow, male (310233004)
P6930-20J	-J, 1.5 GPM vandal resistant hidden laminar flow, male (310233002)
P6930-20F	-F, 0.5 GPM vandal resistant hidden spray outlet, male (310233005)
P6930-20E	-E, 1.5 GPM vandal resistant hidden spray outlet, male (310233001)
P6900-20N	-N, 0.5 GPM laminar flow, male (200456001)
P6900-20M-GN	-M, 0.35 GPM spray outlet, female (309103001)
P6900-20M	-M, 0.35 GPM spray outlet, male (310505006)
P6900-20L-GN	-L, 1.0 GPM spray outlet, female (81883001)
P6900-20L	-L, 1.0 GPM spray outlet, male (310505003)
P6900-20K-GN	-K, 1.0 GPM laminar flow, female (81882001)
P6900-20K	-K, 1.0 GPM laminar flow, male (310505004)
P6900-20J-GN	-J, 1.5 GPM vandal resistant laminar flow, female (81052001)
P6900-20J	-J, 1.5 GPM vandal resistant laminar flow, male (310505002)
P6900-20F-GN	-F, 0.5 GPM vandal resistant spray outlet, female (60440001)
P6900-20F	-F, 0.5 GPM vandal resistant spray outlet, male (310505005)
P6900-20E-GN	-E, 1.5 GPM spray outlet, female (G66695)
P6900-20E	-E, 1.5 GPM spray outlet, male (310505001)
200080001	-20E-GN-CG (1.5 GPM Aerator, Careguard, Female)
200082001	-20E-CG (1.5 GPM Aerator, Careguard, Male)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Void After: October 2018

File No. 6348

Product: Lead Free Plumbing Products

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58251001	F, 0.5 gpm vandal resistant spray outlet, male
60440001	F, 0.5 gpm vandal resistant spray outlet, female
60563001	K, 1.0 gpm laminar flow outlet, female
62669001	E, 1.5 gpm aerator
81052001	-GA, -GB, -GC (1.5 GPM vandal resistant laminar flow, Female)
81065001	Standard 1.5 GPM Laminar Flow
81792001	L, 1.0 gpm vandcal resistant spray outlet, male
81860001	K, 1.0 gpm laminar flow outlet, male
81881001	-20E-GN (1.5 GPM. Female)
81882001	K, 1.0 GPM laminar flow outlet for gooseneck spout, female)
81883001	J, 1.0 gpm spray outlet, female
93317332	SSH, supply hose

AquaSense Accessories

Model No.	Description
P6900-GEN-XL	Hydro Generator Power Unit
P6900-MV-XL	Manual Mixing Valve
P6900-120BC	Supply Line "L" Filter
P6900-MV-ADAP	Mixing Valve Adapter
P6900-ADM-XL	Above-Deck Mixer
P6900-MT-XL	Mixing Tee
P6900-TMV-1	Thermostatic Mixing Valve for Single Faucet

Supply Stops Only

Z81006-XL Qtr Turn Stop	(1/2" COMP x 1/2" NPT)	(Lead Free)
Z81017-XL Qtr Turn Stop	(3/8" COMP x 1/2" NPT)	(Lead Free)
Z81005-XL Qtr Turn Stop	(1/2" COMP x 3/8" NPT)	(Lead Free)
Z81016-XL Qtr Turn Stop	(3/8" COMP x 3/8" NPT)	(Lead Free)

Stop & Flex Hose

Z81005-XL-LR-8862-12-PC Qtr Turn Stop	(1/2" COMP X 3/8" NPT)	w/ 12" SS Hose
Z81005-XL-LR-8862-16-PC Qtr Turn Stop	(1/2" COMP X 3/8" NPT)	w/ 16" SS Hose
Z81005-XL-LR-8862-20-PC Qtr Turn Stop	(1/2" COMP X 3/8" NPT)	w/ 20" SS Hose
Z81005-XL-LR-8862-30-PC Qtr Turn Stop	(1/2" COMP X 3/8" NPT)	w/ 30" SS Hose
Z81005-XL-LR-8862-36-PC Qtr Turn Stop	(1/2" COMP X 3/8" NPT)	w/ 36" SS Hose
Z81006-XL-LR-8862-12-PC Qtr Turn Stop	(1/2" COMP X 1/2" NPT)	w/ 12" SS Hose
Z81006-XL-LR-8862-16-PC Qtr Turn Stop	(1/2" COMP X 1/2" NPT)	w/ 16" SS Hose
Z81006-XL-LR-8862-20-PC Qtr Turn Stop	(1/2" COMP X 1/2" NPT)	w/ 20" SS Hose
Z81006-XL-LR-8862-30-PC Qtr Turn Stop	(1/2" COMP X 1/2" NPT)	w/ 30" SS Hose
Z81006-XL-LR-8862-36-PC Qtr Turn Stop	(1/2" COMP X 1/2" NPT)	w/ 36" SS Hose
Z81016-XL-LR-8860-12-PC Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 12" SS Hose
Z81016-XL-LR-8860-16-PC Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 16" SS Hose
Z81016-XL-LR-8860-20-PC Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 20" SS Hose
Z81016-XL-LR-8860-30-PC Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 30" SS Hose
Z81016-XL-LR-8860-36-PC Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 36" SS Hose

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CERTIFICATE OF LISTING

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File No. 6348

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Z81016-XL-LR-8863-12-PC	Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 12" SS Hose
Z81016-XL-LR-8863-16-PC	Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 16" SS Hose
Z81016-XL-LR-8863-20-PC	Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 20" SS Hose
Z81016-XL-LR-8863-30-PC	Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 30" SS Hose
Z81016-XL-LR-8863-36-PC	Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 36" SS Hose
Z81017-XL-LR-8860-12-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 12" SS Hose
Z81017-XL-LR-8860-16-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 16" SS Hose
Z81017-XL-LR-8860-20-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 20" SS Hose
Z81017-XL-LR-8860-30-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 30" SS Hose
Z81017-XL-LR-8860-36-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 36" SS Hose
Z81017-XL-LR-8863-12-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 12" SS Hose
Z81017-XL-LR-8863-16-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 16" SS Hose
Z81017-XL-LR-8863-20-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 20" SS Hose
Z81017-XL-LR-8863-30-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 30" SS Hose
Z81017-XL-LR-8863-36-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 36" SS Hose

Stop & Lavatory Riser Tube

Z81005-XL-LR-8973-12-PC	Qtr Turn Stop	(1/2" COMP X 3/8" NPT)	w/ 12" Riser Tube
Z81005-XL-LR-8973-20-PC	Qtr Turn Stop	(1/2" COMP X 3/8" NPT)	w/ 20" Riser Tube
Z81006-XL-LR-8973-12-PC	Qtr Turn Stop	(1/2" COMP X 1/2" NPT)	w/ 12" Riser Tube
Z81006-XL-LR-8973-20-PC	Qtr Turn Stop	(1/2" COMP X 1/2" NPT)	w/ 20" Riser Tube
Z81016-XL-LR-8972-12-PC	Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 12" Riser Tube
Z81016-XL-LR-8972-15-PC	Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 15" Riser Tube
Z81016-XL-LR-8972-20-PC	Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 20" Riser Tube
Z81016-XL-LR-8972-30-PC	Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 30" Riser Tube
Z81016-XL-LR-8972-36-PC	Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 36" Riser Tube
Z81017-XL-LR-8972-12-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 12" Riser Tube
Z81017-XL-LR-8972-15-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 15" Riser Tube
Z81017-XL-LR-8972-20-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 20" Riser Tube
Z81017-XL-LR-8972-30-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 30" Riser Tube
Z81017-XL-LR-8972-36-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 36" Riser Tube

Stop & Closet Riser Tube

Z81005-XL-CR-8975-12-PC	Qtr Turn Stop	(1/2" COMP X 3/8" NPT)	w/ 12" Riser Tube
Z81005-XL-CR-8975-15-PC	Qtr Turn Stop	(1/2" COMP X 3/8" NPT)	w/ 15" Riser Tube
Z81006-XL-CR-8975-12-PC	Qtr Turn Stop	(1/2" COMP X 1/2" NPT)	w/ 12" Riser Tube
Z81006-XL-CR-8975-15-PC	Qtr Turn Stop	(1/2" COMP X 1/2" NPT)	w/ 15" Riser Tube
Z81016-XL-CR-8974-12-PC	Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 12" Riser Tube
Z81016-XL-CR-8974-15-PC	Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 15" Riser Tube
Z81016-XL-CR-8974-20-PC	Qtr Turn Stop	(3/8" COMP X 3/8" NPT)	w/ 20" Riser Tube
Z81017-XL-CR-8974-12-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 12" Riser Tube
Z81017-XL-CR-8974-15-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 15" Riser Tube
Z81017-XL-CR-8974-20-PC	Qtr Turn Stop	(3/8" COMP X 1/2" NPT)	w/ 20" Riser Tube

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Void After: October 2018

File No. 6348

Product: Lead Free Plumbing Products

Issued To: Zurn Industries, LLC

ADDITIONAL COMPANY INFO:

Waterworks, Inc.

Lavatory Supply Kits:

FDMS32-LL, FDMS34-LL, FDMS36-LL, FDMS38-LL

For all products with the supply stop designation, the base model number may also include an additional alpha or numeric suffix to indicate color or finish

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2008

This is to certify that:

Zurn-Wilkins
1747 Commerce Way
Paso Robles
California
93446
USA

Holds Certificate No:

FM 540810

and operates a Quality Management System which complies with the requirements of ISO 9001:2008 for the following scope:

Design, manufacture, distribution and service of backflow preventers, pressure regulators, and other water control products for commercial and residential applications.



For and on behalf of BSI:

Reg Blake, VP Regulatory Affairs, BSI Group America Inc.

Original Registration Date: 11/20/2009

Latest Revision Date: 10/19/2015

Effective Date: 11/20/2015

Expiry Date: 09/14/2018

Page: 1 of 1



...making excellence a habit.™

TURN WILKINS LARGE BACKFLOW USC APPROVALS

[illegible]

K I R M A R Y
for engineering supplies Grooved fitting LEDE

KirMary

Engineering Supplies
Importing & Exporting
Trading Agencies



كيرمارى

للتوريدات الهندسية
إستيراد وتصدير
والتوكيلات التجارية

APPROVALS

٥ شارع خالد بن الوليد شيراتون - القاهرة تليفون: ٠٣/٢٢٦٦٤٩٢ - ٢٢٦٧٥٣٣٩

موبايل: ٠١٢٢٧٩٠٥٢٤٨ - ٠١٢٢٧٣٨٩٥٢٨ - ٠١٢١١١٧٨٢٥٠ - ٠١٠١٩٥٤٢٩٤١

E-mail: Kir.mary@yahoo.com

website: www.Kirmary.com

Submittal For Approval Of Materials

Date: 26-12-2024

Request No: P0152-K00146-OCC-HT01-XX-MS-ME-000038-00

Project No. & Title: WWE241135 - Ras El Hekma Sales Resort.

Employer: MUDON	Engineer: dar	Contractor: ORASCOM CONSTRUCTION
---------------------------	-------------------------	---

1. Material Description (one item only on this form) :

Cast iron heavy duty drains-Kirmay-Zurn

Area of application :	General		
Drawing ref. :		B.O.Q. ref. no.:	
Specification Ref. :	SECTION 221319 SANITARY WASTE PIPING SPECIALTIES		
	SECTION 221423 STORM DRAINAGE PIPING SPECIALTIES		
	Standards:		

Material list-Compliance sheet-technical data sheet- company Profile-Certificates -Previous Approvals-reference list

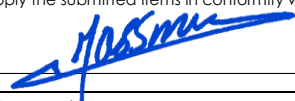
2. Manufacturer / Supplier

Company Name :	Kirmay
Address :	5 Khaled Ibn Al Walid, Sheraton Al Matar, El Nozha, Cairo
Local agent :	Local

3. Delivery :

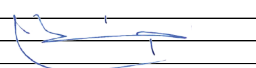
Country of origin :	USA		
Availability	☐ Locally Manufactured ☐ Overseas		
Delivery :	Ex-works/ total duration [] []		
	Estimated time of arrival on site		
Program :	Date material required on site []		
	Latest date for order []		

We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.

Submitted by: Yasmine Khela Signature: 

4. Engineer's Representative Comments:

Refer to attached comments in CRS sheet

	☐ Approved
	☒ Approved as noted
	☐ Revise and resubmit
	☐ Rejected
	☐ Sample required
	☐ Tests required
	☐ Additional information required
	☐ Manufacturer's guarantee required
Signature: For 	Date: 31-12-2024

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

dar Dar Al-Handasah
Shair and Partners

27 DEC 2018

RECEIVED

Prj No. E16104-0400S Time

Submittal for approval of materials

Date: 27/12/2018

Request no:

SOD-MAT-MWS-00239 Rev 00

Project no. & title: Project No.E16104-0400S/T-04 Ministerial Buildings On Plot 9B&10B

Employer: 	Engineer: 	Contractor: 
--	--	--

1. Material description (one item only on this form) :

Hous Bibb,Prv,Water Hammer Arrestor

1 CD

No Sample

Area of application : Plumbing NETWORK

Drawing ref. : N/A

B.O.Q. ref. no.: 15150

Specification Ref. : 15150

Standards: N/A

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate

2. Manufacturer / supplier

Company Name : Zurn

Address : 15 SOLIMAN ABAZA ST, MOHANDISEEN , GIZA

Local agent : Minta

3. Delivery : Ex-Stock

Country of origin : USA

Availability

☐ Locally Manufactured

☒ Overseas

Delivery : Ex-works/ total duration [] []

Estimated time of arrival on site [] []

Program : Date material required on site [] []

Latest date for order [] []

We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.

Submitted by :

Signature:

4. Engineer's Representative comments:

Refer to The Comments on The attached sheet.

shady e karyel

14-01-019.

Signature:

A. Ram

Date:

21/1/19

☐ Approved

☒ Approved as noted

☐ Revise and resubmit

☐ Rejected

☒ Sample required

☐ Tests required

☒ Additional information

required

☐ Manufacturer's

guarantee

required

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Our Ref.: SYS-ARCH-G-EET-0520-1099

20th May 2025

Archirodon

34B2, North investor zone, 1st
settlement, New Cairo, P.C.
11477 Cairo – Egypt

Attention to: Eng. Sayed Ragab
Project Manager

Project: Electric Express Train - EET Project (Ain Sokhna – Borj Al Arab – Alamein – Marsa Matrouh) PMC
Consultancy Services for the implementation of the EET Project

Subject: Giza Station-Material submittal for Hose bibb (Clean Copy)

Dear Sir,

With reference to the contractor Notice of Submission GS-Archirodon-SYSTRA-MAT-MECH-0031 Rev.02 Received on 18/05/2025 regarding the subject above, please find attached Reply regarding Giza Station-Material submittal for Hose bibb (Clean Copy).

Yours faithfully,

Marc SEFFACENE
EET Project Director



Attachment:

- RCS.

CC:

- NAT



EGYPT BRANCH

MIVIDA – Business Park No.2 – Building B7 – 3rd Floor – 5th Settlement – New Cairo – Cairo (ARE)
Tel: +20 (02) 6 330 2112 • Email: egypt@systra.com • Website: www.systra.com



SYSTRA • société anonyme à directoire et conseil de surveillance | Capital social 33 302 018 Euros | RCS Paris 387 949 530 | APE 71128 | TVA intra FR15387949530
72-76, rue Henry Farman • 75015 Paris • France | Tel: +33 1 40 16 61 00 • Fax +33 1 40 16 61 04

Submission Review and Comment Sheet



REVIEW NOTICE

Green Line			
Transmittal No	GS-Archirodon-SYSTRA-MAT-MECH-0031	Document Number	GS-Archirodon-SYSTRA-MAT-MECH-0031
Transmittal Date	09-03-2025	Receiving Date	24/02/2025
Contractor Name	Archirodon	Document Revision	02
Designer	ECG	Location	GIZA EXCHANGE STATION
Transmittal Subject	Giza Station-Material submittal for Hose bibb (Clean Copy)		
Document Title	Giza Station-Material submittal for Hose bibb (Clean Copy)		

The following Conditional Notes apply to this Review:

- Where an RCS replies to an advance submission, any approval noted is not effective until the formal submission has been received by ER and any progress of the Works shall be at the Contractor's own risk
- Approval or comments by the ER of any equivalent or superior designs, products, services, standards or any other deliverables to those designated in the Contract which are proposed by the Contractor, shall not constitute a variation nor entitle the Contractor to any additional payment or extension of time.
- The status given by the Employer's Representative /General Consultant for this submission does not exonerate or relieve the Contractor from any obligation or liability hereunder. Each such status is given in reliance upon, and subject to the performance by the Contractor of its Works in accordance with and pursuant to the terms, covenants, provisions and conditions of its Contract. Without limitation to the generality of the foregoing, neither the review nor the Approved status of any submittal or portion thereof by the Employer's Representative / General Consultant shall relieve the Contractor of any of its responsibilities whatsoever for the accuracy or integrity of the submittal, or the ability of the Contractor to meet any conditions specified in the submittal. While Employer's Representative / General Consultant retains rights of Approval for all submittals, the areas in which it retains Approved rights is limited to the Employer's Representative / General Consultant scope of work, for the information provided by the Contractor.
- The Contractor may include many documents in one submission (Transmittal form) however where possible, it is ER policy to reply individually to each listed submitted document.
- If appropriate, ER may respond to many documents received on one submission (Transmittal Form) where one response will be applied to the entire submission package.
- Document number shall be a document in the transmission list (usually the first number listed)
- This Review comments comprises all of the pages listed in the footer below.
- The Review Notice Status shown below applies to all documents described in the Comments Sheet
- Major (M) classified comments are issued when the referenced document submission fails to meet or describe a requirement in respect of how the submission requirement is organised, implemented or maintained and without correction will introduce a major risk and will jeopardise the effectiveness of the submission if implemented.
- Minor (m) classified comments are issued when the referenced document submission fails to meet or describe a requirement in respect of how the submission requirement is organised, implemented or maintained and without correction may jeopardise the effectiveness of the submission.
- The Contractor must state if their response to ER Comments have been incorporated (I) into a revised document or, shall not be incorporated (NI) as described.
- Any ASCII character may be used to denote data entry into the fields for M, m, I or NI
- Unresolved comments shall be incremented by a decimal index and all related comments shall remain open until the subject is resolved
- Project procedure EET-SYS-MPL-OPMDOC-GL-CON-1001 provides detailed definition of "Summary Meaning" below.

STATUS OF THE REVIEW NOTICE		APPROVED WITH COMMENTS
Status	Summary Meaning	
APPROVED	No objection to proceed	
APPROVED WITH COMMENTS	No objection if the Contractor incorporates comments and resubmits for approval	
REJECTED	Revise and resubmit after fulfilling the comments	
RECEIPT FOR INFORMATION	ER receipt only no action required	



SHAKER
CONSULTANCY GROUP



MATERIAL SUBMITTAL APPROVAL(MSA)

Project Name : ----- FUEL OCTOPER2 ---	Package : -----
Project No. : -----	Phase : -----
Employer : -----ELMadena ELMounawara-----	Supervision Consultant : -----
Project Manager : ----- Eng. Mahmoud Mansour ---	Contractor : -----PRECISE-----
From : ----- PRECISE-----	Date : --15 /6/2023
To : ----- Shaker Consultancy Group -----	Submittal No. : PRE/MAS/mec/pl/FU/19-----
Attn. : -----	References:-----
Subject: plumbing specialties (roof drain) . zurn industries	

Material/ Equipment For Approval:

Description: طلب اعتماد جرجوري لصف الاسطح-----

Specification Reference : -----

Sample Quantity: -----

Bill of Quantities Reference : --1-----

Manufacturer's Details :

Manufacturer: -----zurn industries-----

Model Number : -----

Serial number : -----

Date of arrival on site: -----

Country of Origin: -----

Certificate of origin: -----

Storage Location : -----

Bill of loading: -----

[Signature]
Main Contractor
Authorized Representative

Action Code Legend:

(A) Approved

(B) ☒ Approved as Noted

(C) Revise and Resubmit

(D) Rejected

Notes :

- Exposed Finishing materials must be approved by Employer , Embeded materials must be approved by Employer in case change of vendor
- Production, supply and /or implementation shall proceed only when action code is A / or B.
- Regarding action code C, resubmittal shall be within the limit set in the contract.
- Review dose not relieve the contractor from responsibility of compliance with all requirments of contract documents.
- If rejected please see comments.

Consultant Comments:

Inspection Report:

- Physical damage?
- Details given above correct?
- Accessories included?

Yes/No

Initials Inspector

Engineer

Remarks: -----

Actions required from Contractor :

**Refer to comments attached in PDF file.
Only one manufacturer to be used in the
project for the Roof drain.**

Consultant Engineer

Mansour
17/6/2023

Resident Engineer

Employer Representative

MATERIAL SUBMITTAL (MS)

MATERIAL SUBMITTAL (MSL)

SUBMITTAL NO.: BKEG-HA-SC-MSL-ME-00134		Rev. (00)	
Subject: Water Hammer Arrestor by Zurn		Submittal Issue Date: 28-Aug-23	
Manufacturer: Zurn System: Plumbing		Enclosure: ☒ Data Sheet ☒ Sample ☐ Specification ☒ Soft Copy ☐ Other	
Attachment: Pages A4 (7) Soft Copy 2 Hard copy + Sample		Discipline: ☐ Civil ☐ Arch ☒ Mech ☐ Elec ☐ Landscape ☐ Survey ☐ General	

References Documents				
BOQ	Location	other		
ITEM	Document Ref. No.	Rev	Title	Status
1	BKEG-HA-SC-MSL-ME-00134	0	Water Hammer Arrestor by Zurn	B

Signature: T.O.M Eng:Tamer El Ghazouli

Signature

LEED Signature: Eng:Mohamed Nassif

Signature

N/A

CONSULTANT RESPONSE:

Refer to attached Comments

B



LEED COMMENTS

Consultant / Engineer's Representative		Returned To Contractor: Document Status	
Date Received	(A): Approved		
	(B): Approved as Noted – Work May Proceed	✓	
	(C): Revise & Re-submit – Work May NOT Proceed		
Signature	(D): Rejected – Without Review		
Consultant / Engineer's Representative Signature: M. Motawabel Date: 30/8/2023			

مشروع

المبنى الإداري - مول ميدور



مكتب النيل الهندسي الاستشاري
أ.م. فاروق القاضي
أ.م. هشام عرفات
أ.م. أنور فاروق القاضي
محل محلي رقم ١٤
بناية شربية رقم ٣٣/مادة



٣٣ شارع قصر النيل - القاهرة - مصر
١١٢١٦١٥ - ١١٢١٦١٥ فاكس ١١٢١٦١٥



(Submittal Of Material)

Submittal Of Material طلب اعتماد

إلى: الاستشاري :-	مكتب النيل الهندسي الاستشاري	من: المقاول العام :	الشركة الوطنية للتشييد والبناء سامكو
رقم الطلب	SAMCO-GMC-MECH-MED-PL-020	0	التاريخ: 11/8/2022
الموضوع	CLEAN OUT (CAST IRON) MODEL : Z1440 BRAND : ZURN , SUP : KIRMARY	المرفقات	كتالوج
المنطقة	MIDOR MALL	النموذج	المنطقة
نوع الأعمال	إنشائي	ميكانيكا	أنواع الأعمال

بالإشارة إلى الموضوع عاليه، مرفق طية تسليمك تركيب في أرضية Basement (-2) حيث إن ابعادها مناسبة لطروف التركيب بالموقع.

موقف الاعتماد

نحن لنؤديه لخدمته مع مرئيه
مستشاري الهندسة المعمارية

استلام الاستشاري	بواسطة:	التوقيع:	بتاريخ:
ملاحظات الاستشاري			



الإستشاري المختص	الاعتماد بواسطة:	التوقيع:	بتاريخ:
أ	معتد	ج	يعد التقديم مرة أخرى بعد اتمام الملاحظات
ب	معتد مع ملاحظات - يمكن للمقاول إن يستمر بناء على الملاحظات	د	الطلب مرفوض
اعتماد الاستشاري	الاعتماد بواسطة:	التوقيع:	بتاريخ:
استلام المقاول:	الاعتماد بواسطة:	التوقيع:	بتاريخ:
التوزيع قبل الاعتماد			
المالك:	الاستشاري:		
التوزيع بعد الاعتماد			
المالك:	المقاول:	الاستشاري	
مذني	معماري	كهرباء	تخطيط

LMD°**LMS
CONSTRUCTION****1-Ninety Project****HILL
International****MATERIAL SUBMITTAL FORM -- (MAR)****Contract No.: PEG 1145****Package No.: CP01**

TO: Eng. Tamer Abutahoun Project Manager, Hill International	SUBMITTAL NO.: PEG-1145-CP01-A01-AM-CN-LS-MAR-0197
FROM: Eng. Hesham Al-Sammak Projects Director, LMS construction	DATE: 22 Feb 2022
TITLE: Plumbing Specialties	REVISION NO: Rev.: 01
	C/REF.:

MATERIAL SUBMISSION DESCRIPTION**Discipline:**☐ C-CIVIL ☐ S-STRUCTURAL ☐ A-ARCHITECTURAL ☐ E-ELECTRICAL ☒ M-MECHANICAL ☐ O-OTHER**Description of Material:** Cast Iron Plumbing Specialties**Manufacturer:** Zum - China**Supplier / Local Agent:** Kimary**Specification:** 15415.**BOQ Ref:** Nil**Description of Attachments:**

1. Technical material submittal.

Description of Samples: N/A**Specification Comparison Sheet:** N/A**Comparison in case of Alternative Submittal:** N/A**LMS
CONSTRUCTION**

22 Feb 2022

CONTRACTOR SIGNATURE:**1-NINETY****Prepared By:****Hill Receive:****Consultant Receive:****Returned From
Consultant:****Contractor Receive:**

LMD°**SABBOUR**
CONSULTING**LMS**
CONSTRUCTION**360 Project****HILL**
International**MATERIAL SUBMITTAL FORM – (MAR)****Contract No: PEG - 1156****Package No.: CP01****TO: Eng. Yasser Hassanein**
Project Manager, Hill International**SUBMITTAL NO.:** PEG-1156-CP01-CN-LS-MAR-0164**FROM: ENG. Ahmed salah**
Projects Director LMS Construction**REVISION NO.:** Rev. 00**TITLE: Cast iron Drains****SUBMISSION DATE:** 10/12/2022**C/REF.:****MATERIAL SUBMISSION DESCRIPTION****Discipline:** Mechanical**Description of Material: Cast iron Drains****Manufacturer (Name & Address):** Zurn -USA Josam- Germany**Supplier / Local Agent :** Kirmary**Specification:****BOQ Ref:****Description of Attachments:**
Material Submittal & Samples**Description of Samples:**

(4"Roof drain) -zurn

(4"Side Roof drain) JOSAM

Specification Comparison Sheet:**Comparison in case of Alternative Submittal:****Prepared by:** Procurement**Designation:** DepartmentSigned by
Sender

Ahmed salah

Project Director

Signed by Sender

Hill Receive:**Consultant Receive:****Returned From
Consultant:****Contractor Receive:**

Project Name:- Al Hammam Agricultural Drainage Water treatment plant.



19 DEC 2021



Contractor:-
MOL-OC-AC-HAC-JV

CONSULTANT:-
Katib&Alami (K&A)

Client:-
GOE (Water Departments)

Material Submittal

From	MOL-OC-AC-HAC-JV			To	Katib&Alami (K&A)	
Transmittal No	NDWTP-MT-CV-ME-KA-ON-0286	Rev	00	Date	18-Dec-21	
Subject	SPRINKLERS-HYDRANTS-GROOVED FITTINGS-VALVES- FIRE HYDRAINT- THREADED FITTINGS- FIRE HOSE CABINETS- SWITCHES-DRAINS- AIR VENT- HANGERS			Attachment	Data sheet , pre approval & cheek	
Manufacturer:	VIKING-LEDE-MECH-ZYFIRE-SYSTEM SENSOR-POTTER-ZURN-VALMATIC-ERICO	Supplier	KIRMARY	Area Of Application	ALL	
Discipline	☐ Civil / Str.	☐ Arch.	☐ Elect	☒ Mech	☐ Other	
Ser	Description				No of Copies	
1	PRE-QUALIFACTION FOR KIRMARY & DATA SHEETS FOR PRODUCTS				2	

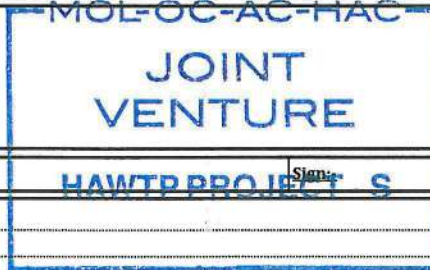
Contractor Commitment:-

the document attached has been reviewed regarding to contract and consider acceptable to be used in the project

Contractor

on shore civil manager
ENG. Nagy Azmy

(Signature)



PROJECT DIRECTOR
ENG. Waleed Fahmy

(Signature)

Consultant Receiving

Name:-

Sign:-

Date:-

Consultant Remarks

** Refer to our Review Sheet for Comments*

Assigned Consultant Engineer

Name:-

Sign:-

Date

A

☐

Approved

B

☒

Approved with comments, the work can proceed according to notes

C

☐

Re-submit after rectify comments

D

☐

Rejected

Consultant Approval

Name:-

Contractor Receiving

Name:-

New Del Date: VTP

In ElDaba Date: ElDaba

Distribution before approval

Consultant

Client

Distribution After approval

Client

Contractor

Consultant

Civil

Arch

Elect

HVAC

Mech

Planning

Q.S

مشروع
جراج البرج

 Integrated Contracting	 SAMCO EGYPT	 Project Management & Engineering Consultants	 PRIME CONSULTING OFFICE	 الهيئة الوطنية للتحكم في الجودة
المقاول :- جي إم سي للمقاولات المتكاملة	المقاول :- شركة سامكو الوطنية للتشييد	الاستشاري الإلكتروني PROJECT MANAGEMENT ENGINEERING CONSULTANTS&	PRIME CONSULTANTING OFFICE:- الاستشاري	المالك: الشركة الوطنية للطرق

(Submittal - Material)

طلب اعتماد خامات

إلى الاستشاري :-	PRIME CONSULTANTING OFFICE	من المقاول العام :	الشركة الوطنية للتشييد والبناء سامكو
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رقم الطلب	SAMCO-GMC-MECH-MAT-PL-25	الإصدار	0	التاريخ	3/10/2022
الموضوع	HEAVY DUTY DRAIN (GARAGE DRAIN - 4") MODEL : Z504 بيبة صرف الجراج ، حديد زهر ، مخرج 4 بوصة				
الماركة	ZURN	المورد			
نوع الاعمال	إنشائي	معماري	ميكانيكا	مساحة	أخرى

تعهد المقاول: المستندات المرفقة تنسبها ومراجعتها من حيث تطابقها مع العقد وتعتبر لمقبولة للاستخدام في المشروع من قبل المقاول	مدير المشروع
مدير المشروع	مدير المشروع

FOR PROJECT MANAGEMENT & ENGINEERING CONSULTANTS

SUBMITTAL REVIEW

APPROVED WITH COMMENTS

DATE: 24-10-22

REVIEWED BY: [Signature]

1- INSTALLATION SHALL PROCEED ONLY WHEN ACTION CODE IS A OR B.

2- ACTION CODED C SHALL BE RESUBMITTED WITHIN TIME LIMIT SET IN CONTRACT.

3- ACTION CODED D SHALL RELIEVE CONTRACTOR FROM RESPONSIBILITY OF COMPLIANCE WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

ملاحظات الاستشاري

* الحينة مقبولة فيناً .

* المورد مقبول فيناً .

* نتعهد بعد التأكد من قبل المقاول أننا قابلة للتركيب .

* نتعهد بوصول الصناعة أثناء التركيب مع مراعاة ملاحظات المصنع .

الاستشاري المختص	الإعتماد بواسطة:	التوقيع:	بتاريخ:
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أ	معتمد	ج	يعد التقديم مرة أخرى بعد التمام للملاحظات
ب	معتمد مع ملاحظات - يمكن للمقاول ان يستمر بناء على الملاحظات	د	الطلب مرفوض

اعتماد الاستشاري	اعتماد المقاول	بتاريخ	بتاريخ
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التوزيع قبل الاعتماد :

المالك :	الاستشاري :
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التوزيع بعد الاعتماد :

المالك	المقاول	الاستشاري	معماري	ميكانيكا	تخطيط	Q.S
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مرفوع
جراج البوع

 Integrated Contracting	 SAMCO EGYPT	 Project Management & Engineering Consultants	 PRIME CONSULTING OFFICE	 الجمهورية العربية السورية
المقاول :- جى ام سى للمقاولات المتكاملة	المقاول :- شركة سامكو الوطنية للتشييد	الاستشاري الإلكتروني PROJECT MANAGEMENT ENGINEERING CONSULTANTS&	الاستشاري :- PRIME CONSULTANTING OFFICE	المالك: الشركة الوطنية للطرق

(Submittal - Material)

طلب اعتماد خامات

إلى الاستشاري :-	PRIME CONSULTANTING OFFICE	من المقاول العام :	الشركة الوطنية للتشييد والبناء سامكو
رقم الطلب	SAMCO-GMC-MECH-MAT-PL-06	الإصدار	1
الموضوع	FLOOR CLEAN OUT (CAST IRON) (3", 4", 8") طية تسليك (حديد زهر) خاصة بالبنزوم. تخلص 3/4/8 بوصة MODEL: Z1440		
المدة	ZURN	المرفقات	DATA SHEET+SAMPLE
نوع الإصدار	إنشائي	ميكانيكا	معماري
المقاول الكهربائي	المكتب الفني	مدير المشروع	مدير المشروع



المقاول العام	المكتب الفني	مدير المشروع	مدير المشروع
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*The vendor is Technically approved.

*The fcu shall be heavy duty please check & mention The Type.

* fcu sizes shall be mentioned.

الاستشاري المختص	الإعتماد بواسطة:	التوقيع:	بتاريخ:
أ	معتمد	ج	بعد التقديم مرة أخرى بعد اتمام الملاحظات
ب	معتمد مع ملاحظات - يمكن للمقاول ان يستمر بناءا على الملاحظات	د	الطلب مرفوض
اعتماد الاستشاري	م/	بتاريخ	بتاريخ
استلام المقاول	الإستلام بواسطة:	5-10-22	
التوزيع قبل الاعتماد:	المالك:	الاستشاري:	
التوزيع بعد الاعتماد:	المالك:	المقاول:	مبنى
المالك:	المقاول:	مبنى	معماري
المالك:	المقاول:	مبنى	كهرباء
المالك:	المقاول:	مبنى	تكييف
المالك:	المقاول:	مبنى	ميكانيكا
المالك:	المقاول:	مبنى	تخطيط
المالك:	المقاول:	مبنى	Q.S

Contract Submittals



Main Form

General

Record Number: CS-01714

Creator: DC – Document Control
/Orascom

Project Number: EMISR/MSA/PKG#
224B

Creator Company: ORA_MSA

Project Name: MSA PKG# 224B -
Construction of R8 fully
finished villas and
Boutique Hotel.

Creation Date: 21/05/2024 12:06 PM
(UTC+2)

Reference Number: H8-BP224B-OC-ECG-
MAT-ME-0362-00

Status: Close

Contract Reference:

Due Date:

Title

Title: H8 - Grease and Lint Interceptor (Zurn)

Submittal Details

Planned Submission
Date:

Planned Finish Date:

Submittal Type: Material Submittal

Document Type: Material Submittal

Discipline: Mechanical

Revision No.: 00

Make:

Issued For: Approval

Origin: Orascom

Specialist Supplier / KIRMARY (Zurn)
Integrator:

Reason for Alternative:

List of Enclosures:

Description: H8 - Grease and Lint
Interceptor (Zurn)

Consultant Comments

Consultant The Grease, and lint Interceptors from KIRMARY (Zurn) (USA) are accepted

Comments: according to the project's specifications and in the vendor list.

- Provide updated test certificates for products (mechanical & chemical).
- Provide a certificate for painting Corrosion-resistant.
- Provide installation details according to site condition.

Consultant Status Approved as Noted
on Form:



PMC Comments

PMC Comments: Refer to SC's comments

Cost Consultant Comments

Cost Consultant
Comments:

Other Consultant Comments

Comments:

Emaar Project Director Comments

EMAAR Project Proceed with S.C Reply
Director Comments:

Emaar MEP Comments

Emaar MEP
Comments:

Emaar FM Comments

EMAAR FM:

Emaar IT Comments

EMAAR IT:



Task Details

From:

Task Due
Date:

Not Applicable

Task Notes (0)

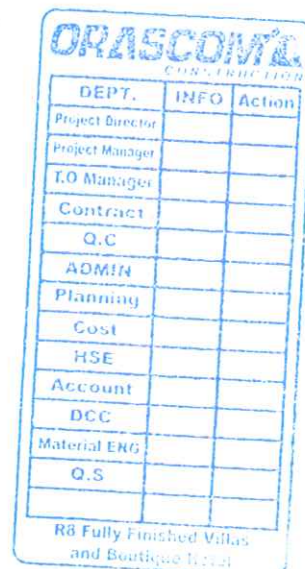
To: (00A) Company Administrator

Task Status: View Only

Cc: DC – Document Control /Orascom;
Material Engineer /Orascom; Q.C
Manager – Quality Control
/Orascom; Q.S - Quantity
Surveying /Orascom; QC Team
Leader /ORA_MSA; T.O -
Technical Office /Orascom; EG
Contractor All

Sent For: End (CA)

Workflow Progress



A. Alan
Manning
A. K. Hales
A. Solah
M. Omer
Edmond
Fady S



CITY GATE NEW CAIRO DEVELOPMENT
TRANSMITTAL FORM



WBS (Package) CP19.02
CONTRACT NO. 65016717
CONTRACT Construction of Infrastructure, Roads & Landscape Works for Zones 3D, 2D-D, 2D-7 and Villas for Zones 2D-D, 2D-7 & 3D-7
CONTRACTOR Consolidated Contractors Group S.A.L. (Offshore) (CCC)

TRANSMITTAL NO. CP19.02-TR-0652
Rev. 00

TO: Turner Construction International Egypt for Project Management (TIME)

WE ARE SENDING	SUBMITTED FOR	SUBMITTAL STATUS CODE
☐ Shop Drawing	☒ Approval	A - Approved
☒ Manufacturer's Data	☐ Information	B - Approved As Noted
☐ Material Sample		C - Revise and Resubmit
☐ Guarantee / Warranties / Certificates		D - Rejected and not to Resubmit
☐ Operation & Manuals		Inf - For Information
☐ As-Built Drawing		
☐ Other Technical Submittals		

ITEM	SPECIFICATION or DRAWING NO.	DOCUMENT REFERENCE NO.	COPIES	DATE	DESCRIPTION	STATUS
1	15430	1271-CGP-MAR-0178	2&Soft	9-Jul-2025	Side Roof Drain (Zurn - GES)	B

Prepared By

Signature

Date

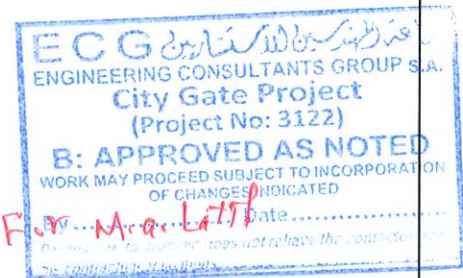
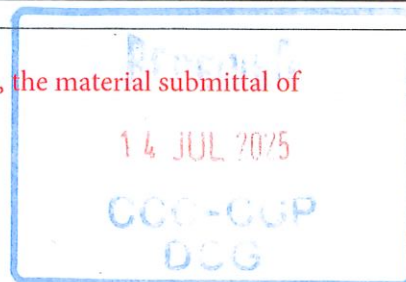
Received By

Signature

Date

RESPONSE / REMARKS

Based on the attached cover page of the previous approval, the material submittal of Side roof drain from "Zurn" is approved for 3D-infra only.



Action By

Signature

Date

Distribution:

QDE

Received By

Signature

Date

SUPERVISION CONSULTANT

