

RepublicConduit

Galvite® Electrical Rigid Metal Conduit-Steel

Simplify Installation, Save Time, Spend Less

Republic Conduit's Galvite® Electrical Rigid Metal Conduit-Steel (Galvite® ERM-C-S) means superior protection, strength, safety and ductility for your wiring jobs. It is manufactured from high quality, flat rolled steel and is produced by an Electric Resistance Welding process. Its welds are strong and smooth, and its tightly adhering finish is free of burnt or hard spots.

This product is Hot-Dip Galvanized inside and out, and is ideal for jobs where severe bending may be required. Republic Conduit's Galvite ERM-C-S is suitable for the most demanding industrial and commercial building and construction jobs, both indoors and outdoors, and is produced to American National Standards Institute (ANSI) specification C80.1 and UL standard 6.

Our products are manufactured to the highest criteria of the American National Standards Institute (ANSI) and Underwriters Laboratories (UL).

Republic Conduit is committed to implementing effective quality management systems and processes. Our Georgia facility has maintained an ISO certification since 1995 and has been recertified in 2008. Also in 2008, the Kentucky facility has achieved its initial certification by successfully meeting the requirements for ISO 9001:2000.



Features and Benefits

Consistent Quality – for 80 years, Republic Conduit's products have been and are today manufactured to all of the required specifications and customer needs. Because Republic Conduit's Galvite ERM-C-S is manufactured for long life, it is durable, strong, and suitable for the harshest environmental conditions, providing complete mechanical and physical protection to any electrical wiring project. The metal is welded to ensure quality standards are met and exceeded. The inside surface of the pipe is obstruction-free and extra smooth, making wire pulling and pushing easy.

Lower Life-Cycle Costs – Republic's conduit is impact and fire resistant, chemically compatible with concrete, and resists cracking, flaking, peeling and damage from severe bending. Its physical and mechanical properties ensure that the pipe has an extended shelf life, great for usage or storage without degradation in quality. The product is easy to cut, form and join.

System Grounding and Electromagnetic Interference Shielding – wires encased in Republic Conduit's Galvite ERM-C-S protect electric / electronic equipment from being damaged by the electromagnetic field.

Trade sizes range from 1/2" to 6".

Conduit is manufactured in the U.S.

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The image shows a close-up of a RepublicConduit pipe with a multi-colored wire (blue, red, and black) running through it. The RepublicConduit logo is printed on the side of the pipe.

Available Sizes

Republic's Galvite® ERM-C-S is provided with a color coded thread protector on one end and a coupling on the other, for easier identification and thread protection.

Inventories of our products are maintained by leading electrical distributors throughout North America. Contact our Agent in your area today or visit www.republicconduit.com for more information.

Weights and Dimensions*

Trade Size Designator		Outside Diameter (OD)		Nominal Inside Diameter (ID)		Nominal Weight per 100 Feet		Feet per Bundle	Standard Lifts				Treads per Inch	Color Code	Method
		IN	mm	IN	mm	LBS	kg		Length		Weight				
US	Metric	IN	mm	IN	mm	LBS	kg		FEET	m	LBS	kg			
1/2	16	0.840	21.34	0.622	15.8	82	37.2	100	2500	762.5	2050	929.7	14	Black	End Caps
3/4	21	1.050	26.67	0.824	20.93	109	49.4	50	2000	610	2180	988.7	14	Red	End Caps
1	27	1.315	33.4	1.049	26.64	161	73	50	1250	381.3	2013	912.9	11.5	Blue	End Caps
1 1/4	35	1.660	42.16	1.38	35.05	218	98.9		900	274.5	1962	889.8	11.5	Red	End Caps
1 1/2	41	1.900	48.26	1.61	40.89	263	119.3		800	244	2104	954.2	11.5	Black	End Caps
2	53	2.375	60.33	2.067	52.5	350	158.7		600	183	2100	952.4	11.5	Blue	End Caps
2 1/2	63	2.875	73.03	2.469	62.71	559	253.5		370	112.9	2068	937.9	8	Black	End Caps
3	78	3.500	88.9	3.068	77.93	727	329.7		300	91.5	2181	989.1	8	Blue	End Caps
3 1/2	91	4.000	101.6	3.548	90.12	880	399.1		250	76.3	2200	997.7	8	Black	End Caps
4	103	4.500	114.3	4.026	102.26	1030	467.1		200	61	2050	934.2	8	Blue	End Caps
5	129	5.563	141.3	5.047	128.19	1400	634.9		150	45.8	2100	952.4	8	Blue	End Caps
6	155	6.625	168.28	6.065	154.05	1840	834.5		100	30.5	1840	834.5	8	Blue	End Caps

Outside Diameter

For trade sizes through 2"	±0.015	±0.38 mm
For trade size 2 1/2" through 4"	±0.025	±0.64 mm
For trade sizes 5" through 6"	±1%	

- * The values in feet / pound units are standard. The metric equivalents may be approximate. Conduit is always identified by its English or Metric Trade Size Designator.
- * Republic's Galvite® ERM-C-S is provided with a color coded thread protector on one end and a coupling on the other.

- * All sizes furnished in 10' lengths.
- * Applicable length tolerance = ±1/4" (±6.35 mm) without a coupling.
- * All dimensions and weights shown above are nominal.

Specifications

Architects desiring to specify Galvite ERM-C-S from Republic Conduit should include the following description:

Electrical conductors shall be enclosed in Galvite ERM-C-S in accordance with the National Electrical Code. Rigid steel conduit shall be mild steel, manufactured, Hot-Dip Galvanized and produced to the following specifications:

- National Electric Code, 2002 Article 344 (1999 NEC, Article 346)
- UL Standard for Electrical Rigid Metal Conduit – Steel, UL 6, File # E104582
- Federal Specification WW-C-581 (Class 1 Type A)

The above Federal Specification WW-C-581 may still be referenced; however, the federal government has canceled it and has adopted the UL 6 standard.

For more information, visit www.republicconduit.com.

*All orders are subject to Republic Conduit's Terms and Conditions, a copy of which is available upon request.



Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: June 29, 2016

Attention: stl-cac@cannondesign.com

Contact Person / WTA Field Inspector:
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Bill Shaw

Project No. WT 14127.01

☐

UPS

☐

Courier

☒

Email

Copies	No.	Description
1 PDF	261300E03	(Submittal No. 261300-003) – Raceways & Boxes

Remarks:

c: **Kelvin Patel**
Kpatel@cannondesign.com

☒ **Furnish as Submitted**

☐ Furnish as Noted

☐ Rejected

☐ Revise & Resubmit

☐ Reviewed

☐

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.

WTASHOP - Webster ISB - 26 1300-003

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>
Date: 6/20/2016 5:06 PM
Subject: Webster ISB - 26 1300-003
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>, "Grossman, Lynn" <lgrossman@C...>
Attachments: 261300-003 Raceways and Boxes.pdf

Attached for review.

Melissa Pirtle

Construction Admin

CANNONDESIGN

1100 Clark Ave
St. Louis, Missouri 63102
T [314.425.8797](tel:314.425.8797) • M
cannondesign.com

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
CRITICAL	☐

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
RECEIVED DATE

- ☐ **A. No Exceptions Taken**
No further review of submittal is required.
- ☐ **B. Make Corrections Noted**
Incorporate corrections in work;
resubmission is not required.
- ☐ **C. Revise and Resubmit**
Revise as noted, and resubmit for review.
- ☐ **D. Rejected**
Submittal is not in compliance with Contract Documents;
provide new submittal.
- ☐ **E. For Record / Information Only**
Submittal was reviewed for Record / Information
purposes only.
- ☐ **F. Not Required for Review**
Submittal is not required by Contract Documents
and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

ITEM BEING SUBMITTED (check only one)

- ☐ Shop Drawings ☐ Certification / Qualifications ☐ Coordination Drawing
☐ Samples ☐ Record Documents ☐ Calculations
 (_____ copies) ☐ Product Data ☐ Schedules
☐ LEED Submittal ☐ O&M Manuals
☐ Other _____

ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

Ry:

Devin D. Gates

REVIEWED BY	DATE

A/E COMMENTS

- ☐
- See attached sheet(s) for additional comments

REVIEWED BY	DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0097

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 06/20/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Raceways and Boxes

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☒ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		261300-003	1		06/20/2016	Raceways and Boxes	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates

Transmittal

To Paric Corporation

Date 6/16/16

Job Number 11317

Job Name Webster Univ. ISB Building

Attention Devin Gates

Transmittal Number 11317-003

We are sending you:

☒ Attached

☐ Under separate cover, the following:

☐ Preliminary Drawings

☐ Samples

☐ Construction Drawings

☐ Copy of Letter

☐ Specifications

☐ Other _____

Quantity	Drawing #	Date/Revision	Description
1			Submittal for Raceways & Boxes - Spec
			Section 26 13 00

These are transmitted as checked:

☒ For Your Review & Comment

☐ Approved As Noted

☒ For Approval

☐ Returned For Corrections

☐ For Your File

☐ Approved As Submitted

☐ As Requested

☐

Copy:

Transmittal

Enclosure

Rick Branstetter

Signed: Rick Branstetter, Project Manager