MaxCell™ FABRIC INNERDUCT

4G Application Guide

General Guidelines When Using MaxCell® in Various Situations

MaxCell 4" 3 Cell (Equivalent to three 1.5" I.D. innerducts)

This product was designed for use in 4" or larger ducts. Multiple combinations of large and medium cable sizes are applicable. Since larger cable applications are anticipated, the number of cables and packs that can be placed is reduced, therefore a smaller number of cables is available.

Min Conduit ID	Suggested Product	Max # of Packs	Max # of Cables	Maximum Cable Diameter per Cell	Rec. Pull Length*	Max Pull Length*
3"	MaxCell 4" 3 Cell	1	3	1.50"	1500'	2000'
4"	MaxCell 4" 3 Cell	2	6	1.50"	1500'	2500'
5"	MaxCell 4" 3 Cell	3	9	1.50"	1500'	2500'
6"	MaxCell 4" 3 Cell	4	12	1.50"	1500'	2500'

*Use of OFNR cable may result in reduced pulling lengths. Exceeding more than two 90 degree bends or a total of 180 degrees of bends between any two pulling points or installation into trenched duct may also result in reduced recommended pulling lengths.

MaxCell 3" 3 Cell (Equivalent to three 1.25" I.D. innerducts)

This product was designed for use in 3" or larger ducts. Multiple combinations of large, medium and smaller cable sizes are applicable and anticipated.

Min Conduit ID	Suggested Product	Max # of Packs	Max # of Cables	Maximum Cable Diameter per Cell	Rec. Pull Length*	Max Pull Length*
3"	MaxCell 3" 3 Cell	2	6	1.05"	1250'	2000'
4"	MaxCell 3" 3 Cell	3	9	1.05"	1500'	2500'
5"	MaxCell 3" 3 Cell	4	12	1.05"	1500'	2500'
6"	MaxCell 3" 3 Cell	5	15	1.05"	1500'	2500'

*Use of OFNR cable may result in reduced pulling lengths. Exceeding more than two 90 degree bends or a total of 180 degrees of bends between any two pulling points or installation into trenched duct may also result in reduced recommended pulling lengths.

MaxCell 2" 3 Cell (Equivalent to three 1.0" I.D. innerducts)

This product was designed for use in 2" or larger ducts where three cables are being placed.

Min Conduit ID	Suggested Product	Max # of Packs	Max # of Cables	Maximum Cable Diameter per Cell	Rec. Pull Length*	Max Pull Length*
2"	MaxCell 2" 3 Cell	1	3	.85"	800'	1500'

*Use of OFNR cable may result in reduced pulling lengths. Exceeding more than two 90 degree bends or a total of 180 degrees of bends between any two pulling points or installation into trenched duct may also result in reduced recommended pulling lengths.

WM TAO & ASSOCIATES
CONSULTING ENGINEERS

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: April 11, 2016

Attention: **Melissa Pirtle**
mpirtle@cannondesign.com

Contact Person / WTA Field Inspector:
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Tom Becker (Faith Group)

Project No. WT 14127.01
FG 235-001

☐ UPS ☐ Courier ☒ **Email**

Copies	No.	Description
1 PDF	261300E02	(Submittal No.'s:
		(Cannon #26 1300-002) - (Paric #15051-0014-261300-002) –
		(FG #261300-002)
		➢ Maxcell Innerduct

*Remarks: See Submittal Review from Faith Group.

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

☒ ***Reviewed** ☒ **No Exceptions Taken**

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.

Faith Group

3101 S HANLEY ROAD
ST. LOUIS, MO 63143
T: 314.991.2228 | F: 314.991.2268

SUBMITTAL REVIEW

TO: CANNON Design
FROM: Tom Becker
PROJECT: Webster University - ISB
PROJECT NO: FG 235-001
SUBJECT: Submittal No. 261300-002
Maxcell Innerduct
DATE: April 8, 2016
DISTRIBUTION: Sara Trout, Pat Garner

Engineer's review is for general conformance with the design concept and contract documents. Markings and/or comments, or the lack thereof, shall not be construed as relieving the Contractor from compliance with the project plans and specifications, nor departure therefrom. The Contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of assembly, and for performing his work in a safe manner. All resubmittals shall have the changed information clearly highlighted by the submitter. Review of resubmittals only applies to the above highlighted information and is not a mechanism for granting approval to items not specifically highlighted.

Engineer's Review		Required Response	
X	No Exceptions Taken		Confirm
	Note Marking		Resubmit
	Rejected	X	No Resubmittal
	No Action Required		

Engineer's review is for general conformance with the design concept of the project and the information given in the contract documents. The contractor is responsible for, and this review does not include: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating the work with the other trades; and performing all work in a safe and satisfactory manner. Corrections or comments made on this submittal during this review do not relieve the contractor from compliance with the requirements of the contract documents or with its responsibilities listed above.

FAITH GROUP, LLC

By: Tom Becker **Date:** 4/8/2016

WTASHOP - Webster U ISB - 26 1300-002

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>
Date: 4/6/2016 1:50 PM
Subject: Webster U ISB - 26 1300-002
CC: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>
Attachments: 261300-002 Maxcell innerduct.pdf

Attached for review.

Melissa Pirtle
Construction Admin
CANNONDESIGN
1100 Clark Ave
St. Louis, Missouri 63102
T 314.425.8797 • M
cannondesign.com

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

DEVIN D GATES
SUBMITTED BY

261300-002
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

SPECIFICATION SECTION / PARAGRAPH

Maxcell
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

4/8/16
REQUIRED DATE

PRIORITY

CRITICAL

ITEM BEING SUBMITTED (check only one)

- ○ Shop Drawings
- ○ Samples (_____ copies)
- ○ LEED Submittal
- ○ Certification / Qualifications
- ◉ Record Documents
- ○ Product Data
- ○ Coordination Drawing
- ○ Calculations
- ○ Schedules
- ○ 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

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.

By:
Devin D. Gates

DEVIN D GATES
REVIEWED BY

4/6/16
DATE

To be completed by Reviewer

26 1300-002
CANNON DESIGN SUBMITTAL NUMBER

4/6/16
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.

A/E COMMENTS

○ See attached sheet(s) for additional comments

REVIEWED BY

DATE

PARIC
EXPERIENCE. EXCELLENCE.
77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No 15051-0014

Paric Corporation

PROJECT: Webster University Interdisciplinary Science Building

DATE: 04/06/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Maxcell innerduct

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		261300-002	1		04/06/2016	Maxcell innerduct	

NOTES:

CC:

Signed: _____
Devin Gates