HICKMAN®

PRODUCT / DATA

Permasnap® Parapet Wall Coping

Standard Permasnap utilizes a metal chair which functions as both a gutter chair to channel water and as an internal splice plate in the same color and finish as the coping cap.

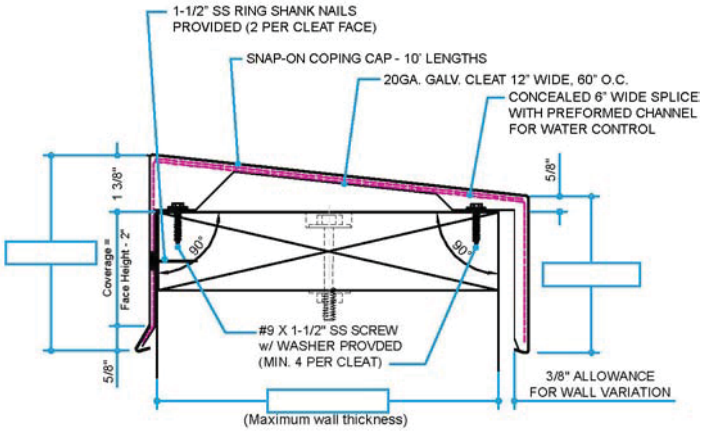
Internal metal chair drainage system eliminates caulked joints.

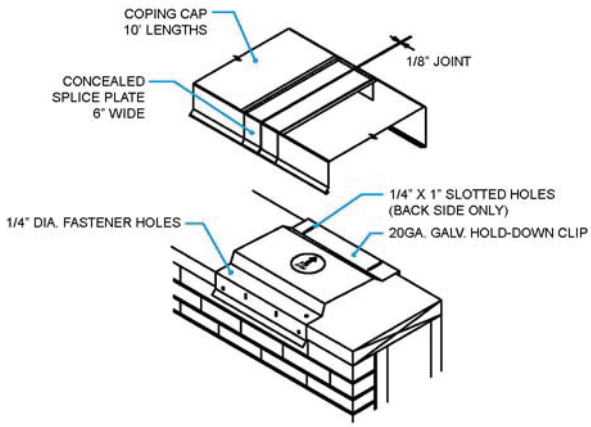
True welded radius, matching corners, end caps, and other accessories, are factory fabricated.

Standard Permasnap with a 20- gauge galvanized steel cleat is Approved for up to an FM 1-90 Wind Storm Rating and has a 20-Year, 110 mph Excel Warranty

UL Classified to meet the ANSI/SPRI ES-1 Roof Edge Standard Test Protocol RE-3 for coping

Pre-punched holes and supplied stainless steel fasteners for proper attachment and fast installation.





Standard Sizes	Material	Gauge	Finishes
Wall Sizes - 6" - 32"	Aluminum	Standard is .050" & .063"	Mill Finish Manufacturer's Standard Kynar 500® Colors Custom or Exotic Kynar 500® Post-Finished Colors Clear Anodize Bronze Anodize
Standard Leg Size - 4" Minimum Leg Size - 2.125" Maximum Leg Size - 12"			
	Galvanized Steel	Standard is 24 Gauge up to a 24" wall	
Miter Leg Lengths < 16" Wall = 23-1/4" 17" - 23" Wall = 29-1/4" 24" - 32" = custom length	Copper & Stainless Steel By Request	Other Metal Thicknesses By Request	

W.P. Hickman Company
P.O. Box 15005 • Asheville, NC 28813 • Phone (800) 892-9173 • Fax (828) 274-4031 • www.wph.com
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SPECIFICATIONS *(short form)*

The coping cap shall be the Permasnap® coping system as manufactured by the W.P. Hickman Company. The coping cap shall be formed as indicated with allowance for expansion and contraction. The standard support cleat shall be a 20 Ga. galvanized steel cleat with pre-slotted fastener holes. A 6" wide concealed joint cover with a pre-finished channel on the top surface to channel water shall be installed at coping joints. Installation shall conform to Manufacturer's written instructions.

DESCRIPTION

Application:

The product is a metal coping with hold down cleats and metal drain chairs for capping most any parapet. Standard coping is formed from .063" (1.60 mm) or .050" (1.25 mm) aluminum; 24ga. galv. steel with Kynar 500® coating; custom metal by request. Standard coping cap length is 10'. Cleats are 20ga. galvanized steel. Chairs are metal in the same color and finish as the coping cap. Fabricated to the wall width required between 6" and 32". Face and back leg are 4" (102mm) nominal length with tested approvals up to 6" (152mm). Custom sizes by request. Your Hickman Representative will be happy to discuss your special design requirements.

INSTALLATION PROCEDURES

NOTE: *This is a general outline only. Please refer to our full installation guide for additional specific detail.*

Preparation:

The substrate should be flat and level from front to back. Shim areas not level.

Procedure:

The first cleat/chair set should be installed with the center line of the cleat set to the miter leg length (see chart on front page) and 24" (300mm) from the end of a wall. Install cleats/chairs sets at all corners and ends first, then work along the wall to the center locating sets every 60" on center for walls less than 17" and 40" on center for walls 17" - 32". Adjust the cleat location in the middle of a run to fit a short coping length. This procedure will provide a symmetrical appearance of the installed coping. Install metal gutter chair/concealed joint covers at joint locations. Hook coping face leg over the cleat face (front) leg and swing over the top. Snap the roof side (back) leg by pressing firmly down on the back edge directly over the cleat chair sets. Leave a 1/4" gap at each joint for thermal movement.

FINISHES

- Natural mill aluminum
- Pre-coat Kynar 500® — from the manufacturer's standard color chart
- Post-coat Kynar 500® — industry standard two coat colors
- Non-standard Kynar 500® — colors requiring multiple coatings or protective clear coats
- Anodized aluminum – clear, bronze and black

GUARANTEE

A. Manufacturer's Standard Warranty: Materials shall be free of defects in material and workmanship for five years after shipment. If, after inspection, the manufacturer agrees that the materials supplied by them are defective, the manufacturer shall at their option repair or replace them.

B. Special Performance/20-Year Excel Warranty: Manufacturer shall guarantee that a coping system up to 32" wide, when installed per manufacturer's instructions, will not blow off, leak, or cause membrane failure, even in wind conditions up to 110 mph, or the manufacturer shall at their option repair or replace their materials.

C. Decorative Finish Warranty *(consult manufacturer)*.

QUALITY ASSURANCE

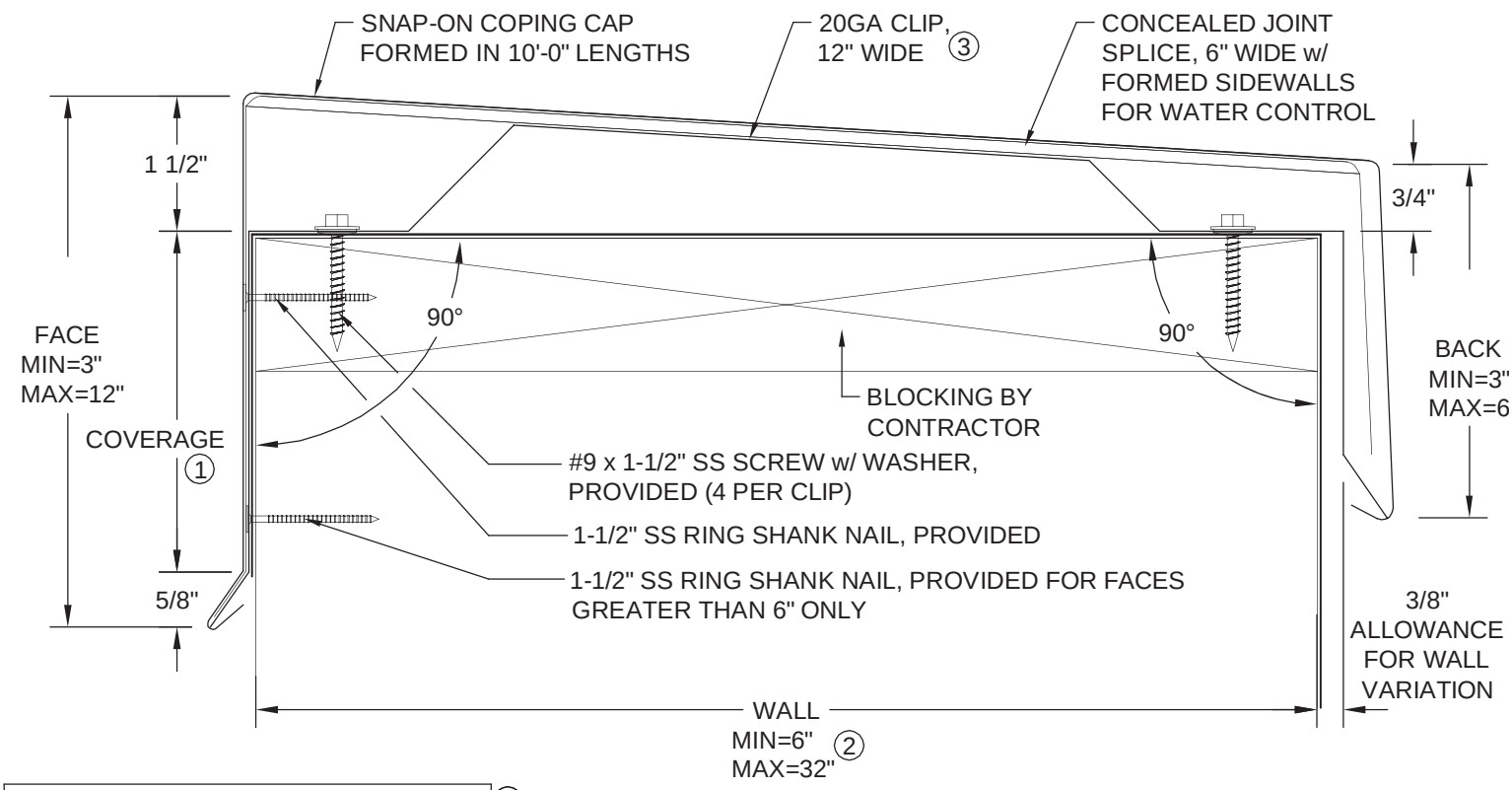
Permasnap® coping is listed in the current FM Global Approval Guide approved for Windstorm ratings up to FM 1-90 depending upon wall width, cleat spacing, and gauge of cap. Consult FMRC Approval Guide or Hickman for other conditions. Permasnap coping is UL Classified to meet ANSI/SPRI ES-1 Test Method RE-3 for coping. The Permasnap® coping system has been tested simultaneously on the horizontal and vertical surfaces and has exceeded design wind pressure as calculated in accordance with the current edition of ANSI/SPRI ES-1 "Wind Design Standard for Edge Systems used with Low Slope Roofing Systems".

TECHNICAL SERVICES

Engineering and shop drawings are available from the factory. Product samples, detail sheets, color chips and color charts are ready for your submittal package. For personal assistance with questions or submittals, contact your local representative or call the W.P. Hickman Company.

HICKMAN
ENGINEERED SYSTEMS

Permasnap® Coping
ORDER / SPECIFICATION FORM



QUANTITY

_____ Total LF (10'-0" pcs)
_____ Miters (___ Outside, ___ Inside)
_____ End Caps (___ Left, ___ Right)
_____ End Caps Inserts (__Left, __Right)
_____ End Terms (___ Left, ___ Right)
_____ Radius LF (5'-0" pcs)
_____ Radius to Straight Miters
_____ Radius End Conditions
_____ Vaulted LF (5'-0" pcs)
_____ Vaulted to Straight Miters
_____ Tee Miters
_____ Zee Miters
_____ Transition Miters,
_____ Ridge Miters,
_____ Valley Miters,
_____ Special Corners
(Attach Sketches)

① Face = coverage (should extend a min of 1" below water resistant wall surface)+2 1/8".
② Contact manufacturer for coping design on walls outside these parameters.
③ Clip spacing; see back page. Clip has a different profile on walls 20" to 32" (See profile on back page).
④ 0.040 ALUM & 24GA GALV coping cap only available for wall sizes 6" to 24".

MATERIAL
☐ Aluminum
☐ Galvanized
☐ Stainless Steel
☐ _____

THICKNESS
☐ 0.040④
☐ 0.050
☐ 0.063
☐ 0.080
☐ 0.125
☐ 24GA④
☐ 22GA
☐ _____

ACCESSORY TYPE
☐ Welded
☐ Metal-Lok

FINISH
☐ Mill Finish
☐ Prefinished Kynar
☐ Post Finished Kynar
☐ Prefinished Anodize
☐ Post Finished Anodize
☐ _____

COLOR _____

APPROVALS (Contact manufacturer for verification of test report data on your project)

ANSI/SPRI ES-1 TESTED

CLASSIFIED UL R25074

MIAMI-DADE COUNTY APPROVED NOA# 11-0929.08

FM Approved Florida Product Approval #FL7424

CUSTOMER APPROVAL
☐ Approved for Fabrication
☐ Approved with Changes
☐ Disapproved, Resubmit

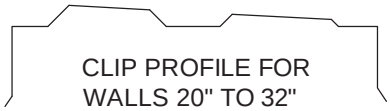
_____
Authorized Customer Signature

_____
Title Date

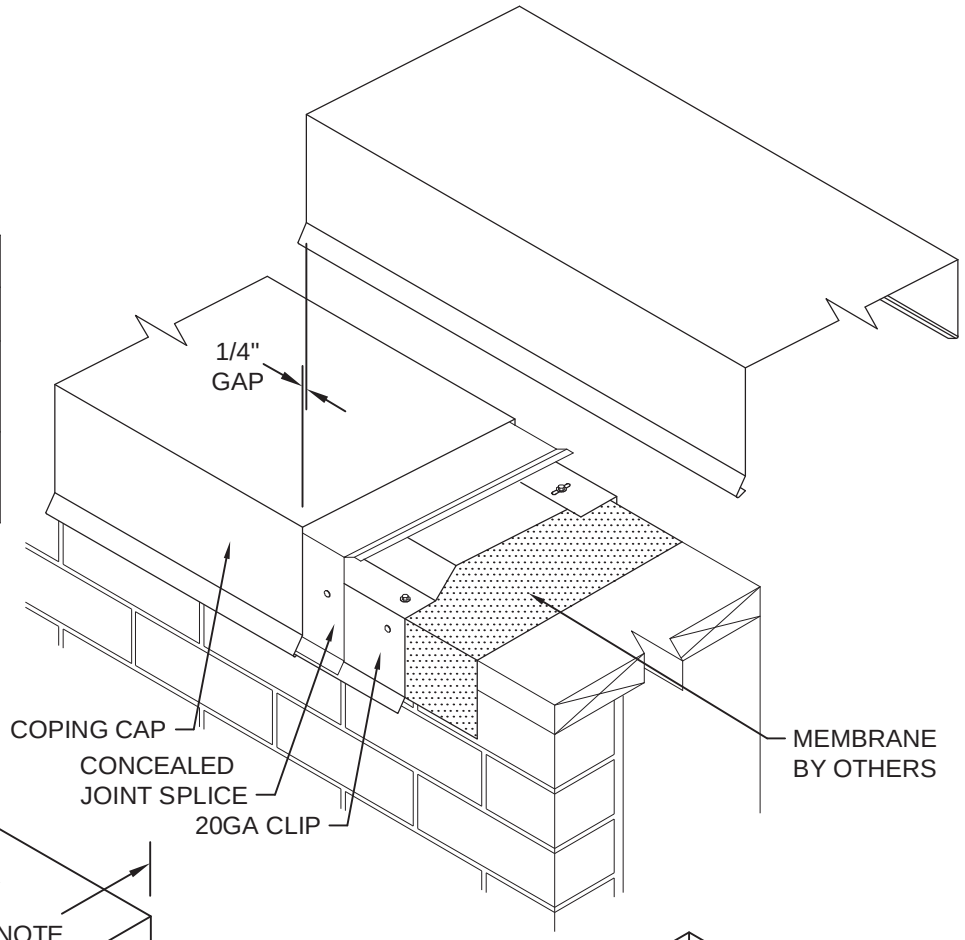
Job Name:	Customer:	By:
Job #:	Representative:	Date:
Location:	Architect:	Sheet of

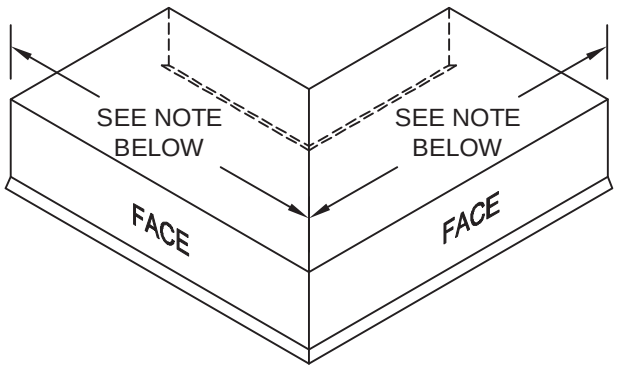
PO Box 15005 - Asheville, NC 28813 - Phone: (828) 676-1700 - Fax: (828) 676-2330
www.wph.com

Permasnap® Coping

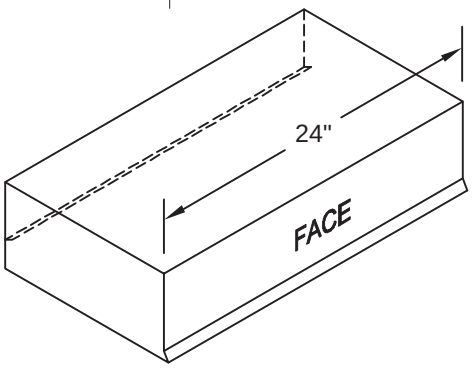


CLIP SPACING	
WALL SIZE	SPACING
≤ 16" (less than or equal to)	60" O.C.
> 16" (greater than)	40" O.C.



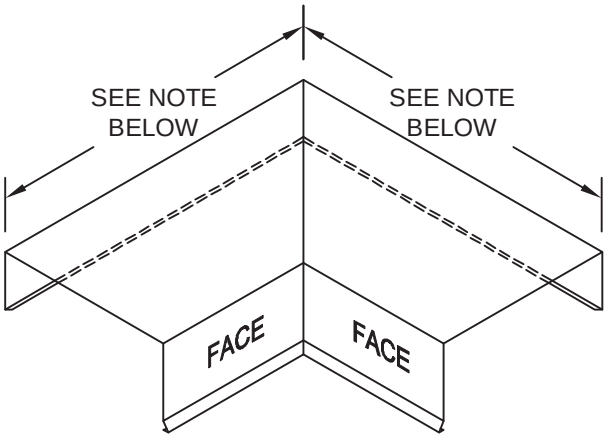


OUTSIDE MITER

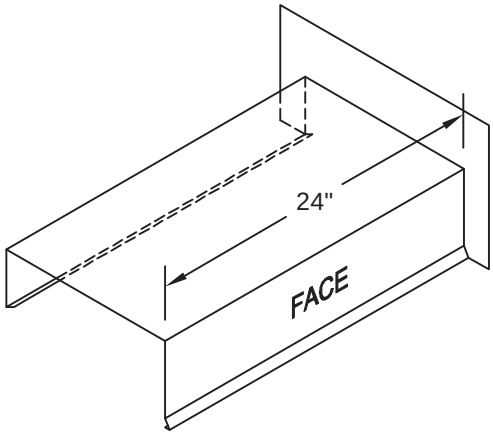


END CAP

LEFT HAND SHOWN



INSIDE MITER



END TERM

RIGHT HAND SHOWN

Standard coping miter leg lengths:
23 1/4" for 6" to 16" wall widths
29 1/4" 16" to 23" wall widths
custom lengths for wall widths > 23"
Standard coping miter angle is 90°
For special miter requirements, attach sketches or consult manufacturer for assistance.

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

Joe Voypick
SUBMITTED BY

077100-009
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

077100
SPECIFICATION SECTION / PARAGRAPH

Vogel Sheet Metal
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

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

Joe Voypick
REVIEWED BY

7/5/16
DATE

To be completed by Reviewer

07 7100-009
CANNON DESIGN SUBMITTAL NUMBER

7/5/16
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

KWA - Paint color to be approved by Cannon Design, see e-mail from Lynn Grossman dated(07/06/16). See highlighted text below. Please submit documentation, per spec section 07 53 23/1.10.A.1 ensuring that the Hickman coping system complies with the EPDM roofing system manufacturer's Total System Warranty.

Kathy Williams
REVIEWED BY

7/7/16
DATE

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

TRANSMITTAL

No. 15051-0118

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 07/05/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Coping Product Data

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		077100-009	1		07/05/2016	Coping Product Data	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates

SINCE 1946
VOGEL
SHEET METAL and HEATING, INC.

1642 MANUFACTURERS DRIVE
FENTON, MO 63026
PHONE: (314) 351-2533
FAX: (314) 351-3253

LETTER OF TRANSMITTAL

	Date: June 30, 2016 Job No. A31750
TO: Paric Corporation	Attention: Devin Gates
77 Westport Plaza Dr. Ste.250	Re: Webster Interdisciplinary Science Building
St.Louis, Mo 63146	

WE ARE SENDING YOU:

☒Attached ☐Under separate cover via_____ the following:

☒Shop drawings ☐Prints ☐Plans ☐Samples ☐Specifications

☐Copy of letter ☐Change order ☐other:

COPIES	DATE	NO.	DESCRIPTION
1	6/30/16	1	077100 - Hickman coping, Hickman color chart

THESE ARE TRANSMITTED as checked below:

☒For approval
☐For your use
☐As Requested
☐For review and comment
☐Approved as submitted
☐Approved as noted
☐Returned for corrections
☐For Bids Due on _____
☐Resubmit
☒Submit
☐Return
☐Prints Returned after loan to us
☐Copies for approval
☐Copies for distribution
☐Corrected prints

REMARKS: _____

Copy To:

Signature:Rick Sowa, Architectural Specialist

If enclosures are not as noted, kindly notify us at once.