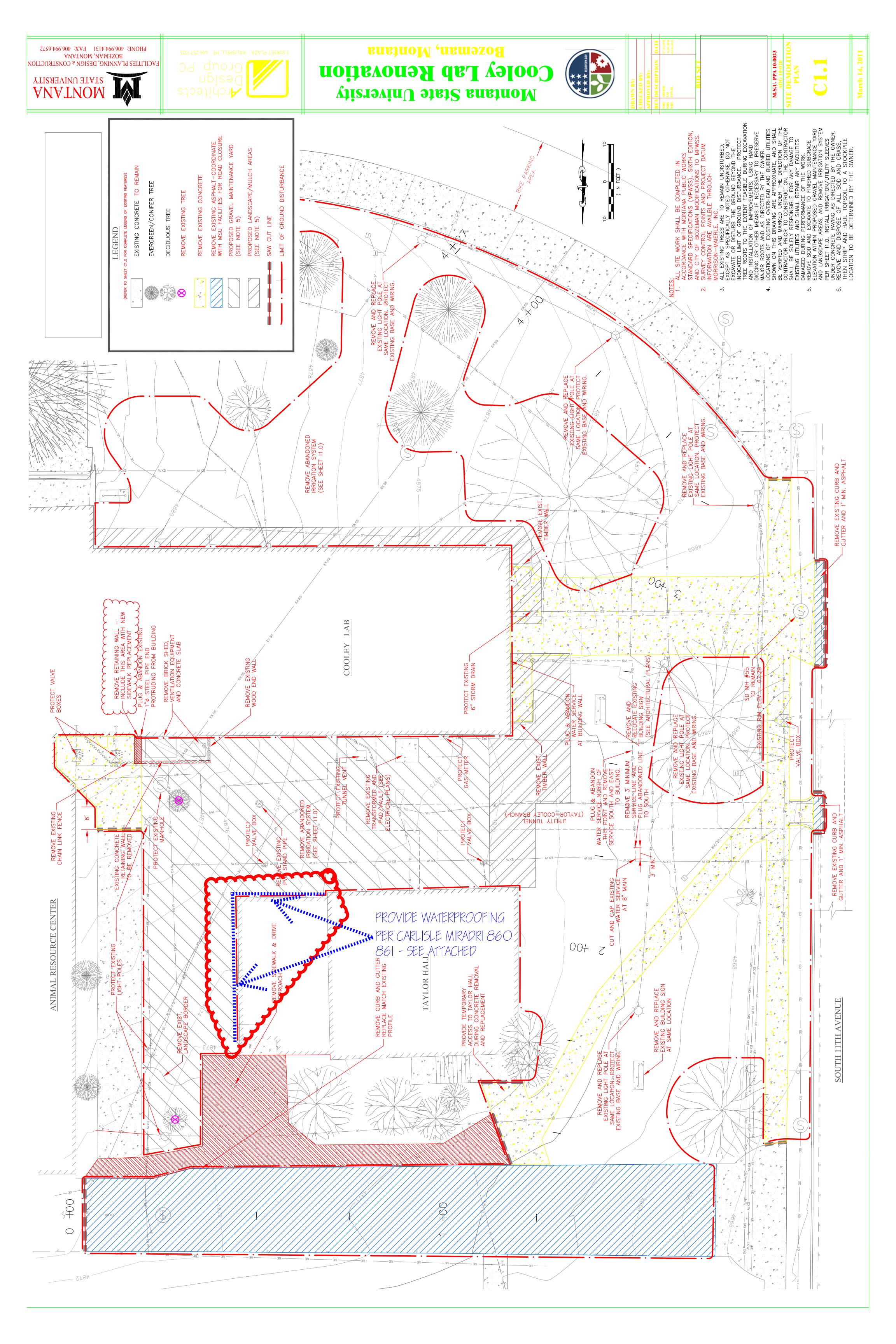


FACILITIES PLANNING, DESIGN & CONSTRUCTION

Sixth Avenue and Grant Street • P.O. Box 172760 • Bozeman, Montana 59717-2760 Phone: (406) 994-5413 • Fax: (406) 994-5665

	REQU	EST FOR PRO	OPOSAL		
Project Ti Location:	tle: <u>Cooley Laboratory Renovatio</u> <u>Montana State University</u>	<u>n</u>		PPA No.: RFP No.: Date:	10-0023 45 05/01/12
То:	Dick Anderson Construction 4498 Jackrabbit Lane			Attention:	<u>Platisha</u>
From:	Bozeman, MT 59718 Cecilia Vaniman, Project Manag Cooley Lab Renovation Montana State University	ger	_	Attention:	
	the Work and avoid or minimize is requested. Please return a resp		/12 1	Date Sen Date Received	at: <u>05/01/12</u> d:
RFP Wate	rproofing foundat	ion @ Taylor	Hall East A	\dditior	<u>1</u>
Reference Dr	awings: C1.2				
Reference Specifications: Carlisle Manufacturer installation requirements.					
Attached info	rproofing product @ co rmation. Termination o 24" below final grade.				
Attachments: RFP45-01 – Product data CCW MIRADRI 860/861 – Detail MP-9B					
This RFP is for pricing purposes only. The contractor shall not proceed with the scope of work described within until pricing is approved by the owner in writing.					
Distribution: [Owner Agency	☑ Architect☑ Contractor	☐ En	gineer her	



Waterproofing Membranes • Drainage Composites • Deck Coatings • Air & Vapor Barriers

COMPLETE WATERPROOFING ONE COMPANY
CCW provides a complete line of waterproofing solutions and the expertise to help you select the one that is best for your project.













CCW MiraDRIP 860/861

Sarricoat"-5





Air & Vapor Barrier Systems

CCW 525

LIMITED WARRANTY

Visit Our Web Site at www.carlisle-ccw.com

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CCWWWEB

Carlisle Coatings & Waterproofing, Incorporated (Carlisle) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Carlisle materials prove to contain manufacturing defects that substantially affect their performance, Carlisle will, at its option, replace the materials or refund its purchase price.

There are no other warranties including the implied warranties of merchantability and fitness This limited warranty is the only warranty extended by Carlisle with respect to its materials. for a particular purpose.

including, but not limited to, loss of profits or damages to a structure or its contents arising under any theory of law whatsoever. Carlisle specifically disclaims liability for any incidental, consequential or other damages

The dollar value of Carlisle's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Carlisle material in question.

 Architectural Details Guide Specifications

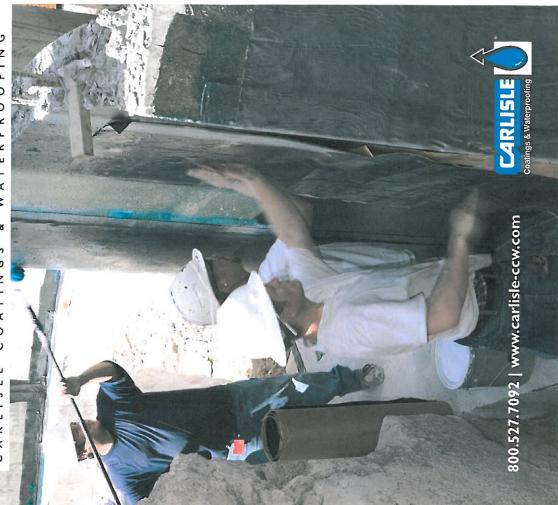
Technical Bulletins

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CCW MIRADRI 860/861

Self-Adhering Sheet-Applied Waterproofing Membrane

WATERPROOFING ⋖ COATINGS CARLISLE



CCW MiraDRI 860/861 Self Adhering Sheet Applied Waterproofing Membrane

CCW MiraDRI

appropriate CCW MiraDRAIN on below-grade foundation walls, meet specific waterproofing needs. CCW CCW network is further supported by over (CCW) provides a broad range of solutions directed by regional sales offices throughour the country. CCW offers a complete line of opment and manufacturing capabilities from tries. Carlisle Coatings & Waterproofing, Inc offers technical services, research & develadditional manufacturing facilities in Terrell, products for the architectural, general construction, industrial and maintenance indusheadquarters in Wylie, Texas and three Companies, Inc., which is a publicly traded Carlisle Coatings & Waterproofing, Inc. TX; Elberton, GA; and Carlisle, PA. The 50 manufacturer's sales representatives waterproofing and moisture protection is part of the SynTec Division of Carlisle company on the NYSE.

apply and provides protection. CCW

ong-lasting

handle, simple to

prane is easy to

this peel-and-stick-

applied waterproofing mem-

> water can be achieved quickly and easily with Protection from the damaging effects of

which protects the

Drainage System

tion and eliminates

or water migraydrostatic pres-

provides a channel

nembrane,

penefits of factory

controlled

sure. With all the



Water Migration Which Can Otherwise Fully-Adhered Membrane: Eliminates Cause Leakage Through Cracks

the waterproofin characteristics of

properties and

 Factory Controlled Thickness: Eliminates Thin Spots Which Could Be Easily Penetrated, Allowing Leakage

choice for contrac-

is the easy

tors and applica-

MiraDRI 860/861

asphalt, CCW

- Preformed Sheet: Eliminates Pinholing
- Flexibility Over Cracks: Elastomeric Properties Accommodate Normal Expansion and Contraction of the Substrate
- Resists Hydrostatic Pressure
- Mechanically Strong

system has been engineered to provide you

with a superior product to do it right the

- · Easy to Apply
- Performance System with the Best Cost-Competitive: The Highest LifeCycle Cost
- Guarantee: A Safe Waterproofing Choice from a Reliable Company Backed by a Combined CCW Systems Warranty The CCW MiraDRI/MiraDRAIN Systems

CCW MiraDRAIN 6200 —
CCW MiraDRI 860/861 —
CCW Contact Adheeve —
CCW-201 or
CCW LM-800XL Fillet CCW-704 Mastic

works best when suited with the

MiraDRI 860/861

DO IT RIGHT THE FIRST TIME materials. Otherwise, subsequent repair work can be extremely costly and time consuming Providing long-term, leak-free buildings and structures demands the use of high-quality The Carlisle Coatings & Waterproofing tors alike.

WATERPROOFING SYSTEM CCW MiraDRI self-adhering membranes are **CCW MIRADRI: A FOOLPROOF**

formulated rubberized asphalt laminated to a MiraDRI waterproofing system is designed to composite materials consisting of a specially high-impact-resistant plastic film. The CCW

aggregate drainage systems.

and exterior applications. The CCW MiraDRI plaza decks, tunnels and many other interior grade foundation walls, slabs, parking decks, The installed CCW MiraDRI waterproofing preparation, a liquid membrane for detailing waterproofing system consists of the selfadhering membrane, an environmentally friendly water based primer for surface and mastic to seal termination points.

MiraDRAIN drainage composites or CCW Protection Courses. CCW MiraDRAIN drainage composites protect waterproofing systems and keep the water away from the building structure. CCW MiraDRAIN provides a cost-effective solution as compared to traditional protection boards and membrane is protected by CCW

Allow the parge coat to dry before priming and installing the CCW MiraDRI 860/861 INSTALLATION GUIDELINES are 40°F (4.4°C) and above. CCW MiraDRI CCW MiraDRI 860 Membrane is used for

conditions. Prime only the areas which will be depending on product selection and climactic covered by the membrane in the same day. 250-600 ft.2 (23-56 m.2). Primer should be Priming: CCW Primers can be spray or roller-applied at an approximate rate of allowed to dry for at least 30 minutes,

> with cooler surface temperatures down to 25°F (-3.9°C). CCW MiraDRI membranes should not be applied in temperatures belov

861 is specially formulated for applications

applications where surface temperatures

immediately after its placement to ensure full point. Side laps should be 21/2" (6.3 cm) minioutside corners using a nine inch (22.9 cm) strip of CCW MiraDRI membrane. All joints, adhesion to the primed surface. A minimum 3/4" (1.9 cm) fillet should be applied at junc-Membrane Application: Start membrane the low point and working toward the high ture of footing and foundation wall. Double drains, penetrations and protrusions should Begin applying the membrane, beginning at application by removing the release paper. mum and end laps should be 5" (12.7 cm) minimum. The membrane should be rolled coverage should be used on all inside and also receive double coverage. All terminations of the membrane should receive a

> minimum of 14 days before the application of CCW MiraDRI 860/861. Repair surfaces that

lightweight structural concrete must cure a

trusions, rough spalled areas, loose aggregate

are not structurally sound, have voids, pro-

should be filled with latex Portland cement

or exposed course aggregate. Void areas

concrete or epoxy concrete and troweled

smooth to match the existing surface.

troweled bead of CCW-704 Mastic. Membrane Protection: CCW

Protrusions and other rough areas should be

broken off and patched as above. CCW small voids, honeycombs or bug holes.

-M-800XL or CCW-201 may be used to fill

Masonry Substrate: Rough masonry may

require the surface to be parged with a

day's work to avoid damage caused by other Fabric should be applied at the end of each MiraDRAIN Drainage Composites, CCW Protection Boards or CCW Protection

plaster coat of cementitious material to form a well-adhered, smooth and uniform finish.

guidelines, refer to the Manufacturer's Guide trades, construction materials or backfill. Specification or contact your local CCW For more information on installation representative.

Unaffected, @ 45°F Cracking Cycle* Unaffected @ -25°F

0.05 perms

ASTM D1970

Low Temp. Flexibility

Puncture Resistance

Soil Burial

Peel Strength (100 Cycles) Lap Adhesion

ASTM E96

ASTM C836

5,000 psi

ASTM D412 ASTM D412

ASTM D882

350%

Spical Value Dark Gray

Fest Method

TECHNICAL DATA

Tensile (Membrane)

Tensile (Film)

Elongation

60 lb min 16 wks, no effect

GSA-PBS 07121

ASTM D570

ASTM D751

* 180° bend over a 1" (25mm) mandrel at -45°F (-43°C)

Hydrostatic Head H₂O Absorption

ASTM D1876

ASTM D903

J. 1% by wt

STANDARDS, TESTS, CERTIFICATES

- · Federal Construction Guide Specification FCGS 07111
- Veterans Administration H-08-1 Section
- General Services Administration PBS 07115

surfaces. All substrates must be clean, dry and

ree of surface irregularities.

860/861 can be applied to concrete, metal, wood, insulated wall systems or masonry

Substrate Preparation: CCW MiraDRI

25°F (-3.9°C).

Concrete Substrates: Structural concrete must be cured a minimum of seven days and

UL 790, Class A

GSA; PBS PCD 07121



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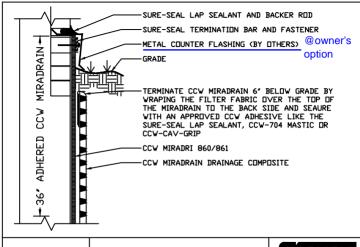
COATINGS & WATERPR

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MP-9B

EXPOSED TERMINATION



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