

# WEST VIRGINIA PARKWAYS AUTHORITY



## AUTHORITY MEMBERS

GOVERNOR EARL RAY TOMBLIN

JASON PIZATELLA  
PAUL A. MATTOX, JR.  
DOUGLAS M. EPLING  
VICTOR GRIGORACI  
TOM MAINELLA  
WILLIAM SEAVER  
MIKE VINCIGUERRA  
WILLIAM CIPRIANI

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GREGORY C. BARR

GENERAL MANAGER

## CONTRACTOR'S PROPOSAL

**NOTICE:** ALL PAPERS BOUND WITH OR ATTACHED TO THE PROPOSAL FORM  
ARE A NECESSARY PART THEREOF AND MUST NOT BE DETACHED.

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**COUNTY:** RALEIGH COUNTY, WEST VIRGINIA

**NAME OF PROJECT:** BECKLEY SOUTH MAIN, METAL ROOF AND SIDING  
**REPLACEMENT** 374 GEORGE STREET BECKLEY WV

**CONTRACT NUMBER:** METAL ROOF AND SIDING REPLACEMENT 2015

**BIDS WILL BE RECEIVED UNTIL 3:00 PM JUNE 4, 2015 AT THE OFFICE OF THE WEST VIRGINIA PARKWAYS AUTHORITY'S GENERAL MANAGER, 3310 PIEDMONT ROAD, CHARLESTON, WEST VIRGINIA 25306.**

**THE WEST VIRGINIA PARKWAYS AUTHORITY RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS.**

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

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## ADVERTISEMENT FOR PROPOSALS

Sealed proposals will be received by the West Virginia Parkways Authority for:

CONTRACT: BECKLEY SOUTH MAIN, ROOF AND SIDING REPLACEMENT 2015  
374 GEORGE STREET, BECKLEY WV  
RALEIGH COUNTY

The West Virginia Parkways Authority, hereafter "Authority", is accepting bids for supplying all materials and labor to replace the metal roof, metal siding at 374 George Street Beckley WV.

**A mandatory PRE-BID meeting will be held on May 19, 2015 at 10:00 am at 374 George St. Beckley WV.**

All work under this contract shall be completed by **October 16, 2015**.

Proposals will be received at the office of the West Virginia Parkways Authority, Administration Building, Charleston, West Virginia until **3:00 PM June 4, 2015**, at which time and place said proposals will be publicly opened and read. If proposals are to be mailed via the U.S. Postal Service regular mail, they must be addressed to the West Virginia Parkways Authority, P.O. Box 1469, Charleston, WV 25325. This mail is picked up by the Authority *once* a day between 7:00 AM and 8:00 AM. However, Express Mail One Day Service, Federal Express, United Parcel Service (UPS), etc., must be sent to the West Virginia Parkways Authority, 3310 Piedmont Road, Charleston, WV 25306. It shall be the bidder's responsibility to determine his transmittal method such that his bid will arrive in the Authority's office prior to the scheduled bid opening. Bids received in the Authority's office after the scheduled opening will be returned to the bidder unopened.

Contract Documents without Standard Specifications or other referenced standards can be obtained at our website [www.wvturnpike.com](http://www.wvturnpike.com) or by contacting Margaret Vickers, Director of Purchasing WVPA (304) 926-1900, [mvickers@wvturnpike.com](mailto:mvickers@wvturnpike.com).

Proposals must be made upon the forms furnished by the Authority in the manner designated in the specifications, and must be enclosed in sealed envelopes bearing the name and address of the bidder and the number of the contract on the outside, and must be accompanied by a CASHIER'S or CERTIFIED CHECK or BID BOND in favor of the West Virginia Parkways Authority, FOR AN AMOUNT EQUAL TO FIVE PERCENT (5%) OF THE AMOUNT OF THE PROPOSAL OR \$2,000 WHICHEVER IS THE GREATER, and must be delivered at the place designated above on or before the day and hour named.

The Authority reserves the right to reject any and all Proposals submitted, and to waive any or all formalities in bidding, as it may deem in its best interest.

The Authority strongly encourages Minority Owned and Women Owned businesses to submit proposals for this contract.

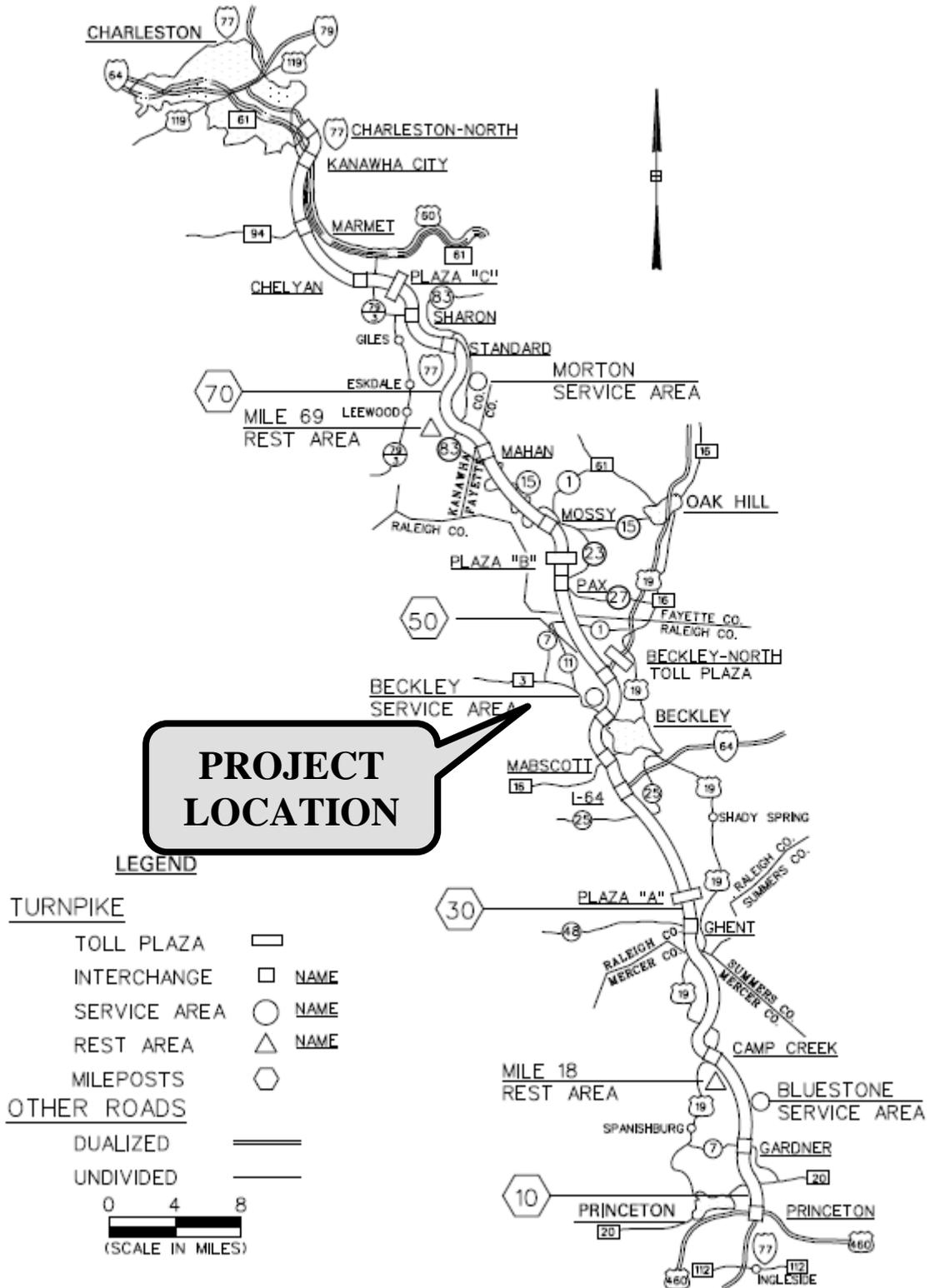
The WVPA is an Equal Opportunity Employer. All firms submitting proposals must certify that they practice Equal Employment Opportunities.  
WEST VIRGINIA PARKWAYS AUTHORITY

  
Gregory C. Barr  
General Manager

DATE: APRIL 30, 2015

West Virginia Parkways Authority  
 Beckley South Main Metal Roof And Siding Replacement 2015

LOCATION MAP



West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

**SPECIAL PROVISIONS FOR  
NOTICE TO BIDDERS**

Prior to the bid date, questions that are technical/engineering or contract administration in nature or involve quantity discrepancies concerning this project should be directed to Margret Vickers, Director of Purchasing WVPA (304) 926-1900, [mvickers@wvturnpike.com](mailto:mvickers@wvturnpike.com). Any site visits must also be coordinated through WVPA Facilities Administrator, Cheryl Porterfield at [cporterfield@wvturnpike.com](mailto:cporterfield@wvturnpike.com) or (304)256-6680.

TO REPORT BID RIGGING ACTIVITIES CALL:

1-800-424-9071

The U.S. Department of Transportation (DOT) operates the above toll-free "Hotline" Monday through Friday, 8:00 AM to 5:00 PM, Eastern Time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "Hotline" to report such activities.

The "Hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

CONTRACTOR'S PROPOSAL

BECKLEY SOUTH MAIN ROOF AND SIDING REPLACEMENT 2015

Proposal by \_\_\_\_\_  
(Contractor)

of \_\_\_\_\_  
(Address)

for the replacement of the West Virginia Parkways Authority's Beckley South Main Roof and Siding, RALEIGH COUNTY, WEST VIRGINIA, known as Contract (BECKLEY SOUTH MAIN, ROOF AND SIDING REPLACEMENT 2015)

According to the attached plans, related special provisions and the West Virginia Department of Transportation, Division of Highways, Standard Specifications, Roads and Bridges, Adopted 2010 and latest supplemental specifications the special provisions and all other documents pertaining to this Contract which form a part of this Bid as if set forth at length herein:

TO THE WEST VIRGINIA PARKWAYS AUTHORITY:

The undersigned hereby proposes to construct and build the above described contract for the respective amounts hereinafter set out.

On the acceptance of this proposal for said work, the undersigned will give the required bond with good security, conditioned for the faithful performance of said work and insurance, according to said plans and specifications and the doing of all other things required by said specifications for the consideration herein named and with the further condition that the Authority shall be saved harmless from any and all damages that might accrue to any person, persons or property by reason of negligence of the undersigned, or any person or persons under his employment and engaged in said work. Accompanying this proposal is a proposal guaranty bond, cashier's check or certified check on \_\_\_\_\_ Bank for \$ \_\_\_\_\_ (for either \$2,000 or 5% of the total bid, whichever is the greater).

**In case this proposal shall be accepted by said Authority and the undersigned should fail to execute the contract with and furnish the surety required within the time fixed herein, this money shall become the property of the Authority, and shall be deposited to the credit of the Authority, otherwise, said check is to be returned to the undersigned.**

The undersigned certifies that their firm is and practices Equal Employment Opportunities and declares to have no interest, direct or indirect, in any other bid for the work covered by the proposal, and to have carefully examined the form of contract and specifications, and the drawings therein referenced to, and will provide all necessary machinery, tools and apparatus and furnish all labor and materials and things necessary in the construction of said project. Said proposer has personally examined the project site considered in this proposal and is acquainted with all conditions and requirements and the location, ground, material, etc., and is relying on personal knowledge, not the Engineer's Estimate. The undersigned agrees to do all work in the most substantial and workmanlike manner called for by said contract plans and specifications, for the respective unit prices named below.

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

ITEM	PRI/ALT	DESCRIPTION	UNITS	QUANTITY	UNIT COST	TOTAL
701001-001		Metal Roof and Siding Replacement	LS	1		
701001-002		Wet or Damaged Insulation Roof as Needed	SQ-FT	8,445		
701001-003		Wet or Damaged Insulation Walls as Needed	SQ-FT	4,322		
<b>Amount in Words</b>					<b>Amount in Numbers</b>	
GRAND TOTAL BID						

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

AFFIDAVIT OF NONCOLLUSION

BECKLEY SOUTH MAIN ROOF AND SIDING REPLACEMENT 2015

State of \_\_\_\_\_

County of \_\_\_\_\_

I, \_\_\_\_\_ (Contractor) by

\_\_\_\_\_ (Name and Title)

(of authorized representative), being duly sworn do depose, say and certify: That said contractor has not, either directly or indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with Beckley South Main Roof and Siding Replacement, in RALEIGH COUNTY, WEST VIRGINIA.

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Name and Title of Authorized  
Representative

Taken, subscribed and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

Notarial Seal if executed  
outside West Virginia

\_\_\_\_\_  
Notary Public

Witness my hand and seal this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015



**State of West Virginia  
DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT  
West Virginia Code §21-1D-5**

**STATE OF WEST VIRGINIA,**

**COUNTY OF \_\_\_\_\_, TO-WIT:**

I, \_\_\_\_\_, after being first duly sworn, depose and state as follows:

1. I am an employee of \_\_\_\_\_; and,  
(Company Name)
2. I do hereby attest that \_\_\_\_\_  
(Company Name)

maintains a valid written drug free workplace policy and that such policy is in compliance with **West Virginia Code** §21-1D-5.

The above statements are sworn to under the penalty of perjury.

\_\_\_\_\_  
(Company Name)

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Taken, subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_.

By Commission expires \_\_\_\_\_

(Seal)

\_\_\_\_\_  
(Notary Public)

**THIS AFFIDAVIT MUST BE SUBMITTED WITH THE BID IN ORDER TO COMPLY WITH WV CODE PROVISIONS. FAILURE TO INCLUDE THE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF THE BID.**

Jan 2009

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

CONTRACTOR LICENSE

**BECKLEY SOUTH MAIN ROOF AND SIDING REPLACEMENT 2015**

*West Virginia State Code 21-11-2* requires that all persons desiring to perform contractual work in this State must be duly licensed. The West Virginia Contractors Licensing Board is empowered to issue the contractor's license. Application for contractor's license may be made by contacting The West Virginia Department of Labor, Building 6 Room 749B, 1900 Kanawha Blvd. East, Charleston, WV 25305, telephone (304) 558-7890.

*West Virginia State Code 21-11-11* requires any prospective bidder to include the contractor's license number on their bid.

BIDDERS TO COMPLETE:

Contractor's Name: \_\_\_\_\_

Contractor's License No.: \_\_\_\_\_

The successful bidder will be required to furnish a copy of their contractor's license prior to issuance of a Purchase Order/Contract.

**CERTIFICATION**

By submitting the within bid/proposal, the undersigned certifies in accordance with the West Virginia Code 5-22-1(b)1 that it:

- A. Is ready, able and willing to timely furnish the labor and materials to complete the Contract.
- B. Is in compliance with all applicable Laws of the State of West Virginia; and,
- C. Has supplied a valid bid bond or other surety authorized or approved by the contracting or public entity.

Contractor: \_\_\_\_\_ By: \_\_\_\_\_  
(Authorized Representative)

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

ADDENDA FOR BECKLEY SOUTH MAIN ROOF AND SIDING REPLACEMENT 2015

I hereby acknowledge receipt of the following addenda and have made the necessary revisions to the Contractor's Proposal, plans and/or specifications, or other applicable documents, and have considered the addenda in the calculation of my bid.

Addendum Numbers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

I further acknowledge that the failure to confirm receipt of the addenda will cause my proposal to be rejected.

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

NON-DISCRIMINATION  
BECKLEY SOUTH MAIN ROOF AND SIDING REPLACEMENT 2015

NON-DISCRIMINATION OF EMPLOYEES FOR INTERSTATE, PRIMARY & SECONDARY PROJECTS

THE CONTRACTOR FURTHER AGREES AS FOLLOWS:

During the performance of the Contract, the Contractor and any of his subcontractors shall provide equal employment opportunities for all qualified persons and shall not discriminate against any employees or applicants because of race, color, religion, sex or national origin. The Contractor and his subcontractors shall comply with the executive orders of the Governor of the State of West Virginia dated October 16, 1963 and December 15, 1965, the Presidential Executive Order Number 11246 as amended by Executive Order Number 11375 and as supplemented in Department of Labor Regulations (Title 41 Codes of Federal Regulations, Part 60) and the Civil Rights Act of 1964 as amended, with the relevant rules, regulations and orders of the Secretary of Labor pertaining thereto, and with all related non-discrimination, non-segregation, affirmative action, veterans employment and handicapped employment laws, rules, regulations and orders (collectively the "EEO Requirements"). The Contractor will furnish upon request information and reports required by the EEO Requirements. The Contractor shall include these provisions in every subcontract or purchase order, unless exempted by the EEO Requirements, so that such provisions will be binding upon each Contractor, subcontractor or vendor performing services or providing materials relating to the work.

COMPLETION DATE

All work under this contract shall be completed by October 16, 2015.

It is agreed that time is of the essence for this contract, and that I (we) will, in the event of my (our) failure to complete the contract within the time limited named, reimburse the West Virginia Parkways Authority an amount to be determined by the said Authority as sufficient to cover fully any additional demonstrable costs incurred by the Authority because of such failure, including extra engineering costs, in addition to that specified in section 108.7 of the Standard Specifications.

CERTIFICATE OF COMPLIANCE

INVOLVING THE SUPPLYING OF ALUMINUM, GLASS, STEEL OR IRON PRODUCTS

We have complied and shall continue to comply with the provisions of Chapter 5, Article 19, of the Official West Virginia code, 1931, as amended, which statute is incorporated herein by reference and the applicable specifications involving Domestic Aluminum, Glass and Iron in Public Works Projects. We have also complied and shall continue to comply with the provisions of Chapter 5A, Article 3, Section 56 of the West Virginia code, 1931, as amended, which statute is incorporated herein by reference and the applicable specifications, involving *Domestic Steel Products in State Supported Projects*.

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

**SIGNATURE SHEET**  
**BECKLEY SOUTH MAIN ROOF AND SIDING REPLACEMENT 2015**

IF AN INDIVIDUAL, SIGN BELOW:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Post Office Address)

IF AN INDIVIDUAL DOING BUSINESS UNDER  
A TRADE NAME, SIGN BELOW:

\_\_\_\_\_  
(Trade Name)

\_\_\_\_\_  
(Street and Post Office Address)

\_\_\_\_\_  
(Sole Owner)

By \_\_\_\_\_

IF A PARTNERSHIP, SIGN BELOW:

\_\_\_\_\_  
(Name of Partnership)

\_\_\_\_\_  
(Street and Post Office Address)

By \_\_\_\_\_  
(Authorized Partner)

\_\_\_\_\_  
(Street and Post Office Address)

IF A JOINT BID, SIGN BELOW:

\_\_\_\_\_  
(Name of Corporation)

\_\_\_\_\_  
(Name of Corporation)

Incorporated under the laws of the  
State of \_\_\_\_\_

Incorporated under the laws of the  
State of \_\_\_\_\_

By \_\_\_\_\_

By \_\_\_\_\_

\_\_\_\_\_  
(Title of Officer)

\_\_\_\_\_  
(Title of Officer)

\_\_\_\_\_  
(Street and Post Office Address)

\_\_\_\_\_  
(Street and Post Office Address)

IF A CORPORATION, SIGN BELOW:

\_\_\_\_\_  
(Name of Corporation)

Incorporated under the laws of the  
State of \_\_\_\_\_

By \_\_\_\_\_

\_\_\_\_\_  
(Street and Post Office Address)

\_\_\_\_\_  
(Title of Signing Officer)

ACKNOWLEDGMENT, MUST BE NOTARIZED:

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

Taken, subscribed and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

My commission Expires \_\_\_\_\_.

Notary seal if not  
Executed in West Virginia

\_\_\_\_\_  
(Notary Public)

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

PROPOSAL GUARANTY BOND

CONTRACT NUMBER: BECKLEY SOUTH MAIN ROOF AND SIDING REPLACEMENT 2015

COUNTIES: RALEIGH, WEST VIRGINIA

KNOW ALL MEN BY THESE PRESENTS, that we \_\_\_\_\_

\_\_\_\_\_

Hereinafter called the "Principal" and \_\_\_\_\_

\_\_\_\_\_ corporation(s) incorporated under the laws of the State(s) of \_\_\_\_\_ and duly authorized to do business in the State of West Virginia, hereinafter (collectively, if two or more Sureties) called the "Surety" are held and firmly bound unto the West Virginia Parkways Authority, in the full and just sum of TWO THOUSAND DOLLARS (\$2,000) OR FIVE PERCENT (5%) OF TOTAL BID, WHICHEVER IS GREATER, lawful money of the United States of America, to be paid to the West Virginia Parkways Authority, which payment well and truly to be made and done, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

SIGNED, sealed and dated this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_.

The condition of the above obligation is such that whereas the Principal has submitted to the West Virginia Parkways Authority, a proposal attached hereto and hereby made a part hereof, to enter into a contract in writing for:

CONTRACT NUMBER: BECKLEY SOUTH MAIN ROOF AND SIDING REPLACEMENT 2015

NOW, THEREFORE,

If said Proposal shall be rejected by the West Virginia Parkways Authority or in the alternative;

If said Proposal shall be accepted by the West Virginia Parkways Authority, and the Principal shall duly execute the Contract and furnish the required Contract Bond within the stipulated time.

**Then this obligation shall be void; otherwise the same shall remain in force and effect, and the Principal and Surety will pay unto the obligee the amount of this bond, which sum shall become the property of the West Virginia Parkways Authority, pursuant to Paragraph 103.9 of the Standard Specifications of the West Virginia Department of Transportation, Division of Highways, Adopted as applicable: it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the amount of this obligation as herein stated.**

The Surety, for value received, hereby stipulates and agrees that the obligation of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which The Authority may accept such proposal; and said Surety does hereby waive notice of any such extension.

The Principal and the Surety have hereunto set their hands and seals, and such of them, as are corporations, have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers.

\_\_\_\_\_(Seal)\_\_\_\_\_(Seal)  
PRINCIPAL SURETY

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

By \_\_\_\_\_ By \_\_\_\_\_

TITLE \_\_\_\_\_ TITLE \_\_\_\_\_

\_\_\_\_\_(Seal)  
IF CO/SURETY

By \_\_\_\_\_

TITLE \_\_\_\_\_

(Acknowledgment)  
(Surety)

The foregoing instrument was acknowledged before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

My Commission Expires \_\_\_\_\_

\_\_\_\_\_  
NOTARY PUBLIC  
(If Co/Surety)

The foregoing instrument was acknowledged before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

My Commission Expires \_\_\_\_\_

\_\_\_\_\_  
NOTARY PUBLIC

Attach Powers of Attorney Involved.

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

CONTRACT

THIS AGREEMENT, made \_\_\_\_\_, 20\_\_\_, between the West Virginia Parkways Authority, a Corporation, hereinafter called "AUTHORITY" and \_\_\_\_\_, hereinafter called "CONTRACTOR".

**WITNESSETH: WHEREAS "AUTHORITY" did by certain advertisement duly published and posted in accordance to law, invite proposals for the construction according to the plans and specifications of the "AUTHORITY", now on file in the office of the "AUTHORITY" the following project:**

PROJECT NAME: BECKLEY SOUTH MAIN, ROOF AND SIDING REPLACEMENT 2015  
374 GEORGE STREET, BECKLEY WV  
RALEIGH COUNTY

**WHEREAS, pursuant to said advertisement, "CONTRACTOR" submitted in writing a proposal and bid hereto attached for the construction of the above referenced project, according to said plans and specifications; and whereas, the contract for said project was duly awarded to Contractor, said "CONTRACTOR", being the lowest responsible bidder in said proposal, which proposal in the amount of**

\_\_\_\_\_ (*written out*),

\_\_\_\_\_ (*\$Figures*)

**is hereto attached and made a part hereof:**

- (1) NOW, THEREFORE, in consideration of the premises aforesaid, and the payments to be paid by "AUTHORITY" as set forth in said proposal "CONTRACTOR" agrees to furnish at his own cost and expense all the necessary materials, labor, tools, and equipment to build and complete said project in accordance with the plans, specifications and Special Provisions therefore on file in the office of the "AUTHORITY" which are hereby made a part of this contract.
- (2) "CONTRACTOR" AGREES he is fully informed as to all conditions affecting the work to be done, as well as to the labor and materials to be furnished for the completion of this contract, and that such information was secured by personal investigation and research and not wholly from the estimate of the engineer, and that he will make no claim against the said "AUTHORITY" by reason of estimates, tests, or representations heretofore made by an officer or agent of said "AUTHORITY."
- (3) THE WORK under this contract shall be performed in accordance with the true intent and meaning hereof and according to plans and specifications, without expense of any nature whatsoever to said "AUTHORITY", other than the consideration named in this contract.

The "AUTHORITY", however, reserves the right to make such additions, deductions, or changes as it deems necessary, making an allowance or deduction therefore at the prices named in the proposal for this work, and the contract shall in no way be invalidated for any loss of anticipated profits because of such change by reason of any variations between the estimated quantities and the quantities of the work done.

- (4) "CONTRACTOR" AGREES to conform to the laws of the State of West Virginia in reference to keeping the project open, and to all other legal requirements not mentioned herein, or specified; to keep all employees engaged on said work protected by the Worker's Compensation Fund in compliance with the Act of the Legislature of West Virginia, known as The Worker's Compensation Act, which is made a part hereof, and to save the "AUTHORITY" harmless from all liability for damage to persons

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

or property that may accrue during and by reason of the acts or negligence of the "CONTRACTOR", his agents, employees, or subcontractors, if there be such.

(5) CONSTRUCTION UNDER the above proposal and calculation of working time will begin with a Notice to Proceed and will complete by/or on October 16, 2015.

**IT IS AGREED that time is of the essence of this contract, and that "CONTRACTOR" will, in the event of failure to complete the contract within the time limit named, reimburse to the "AUTHORITY" an amount to be determined by said "AUTHORITY" as sufficient to cover fully any additional demonstrable costs incurred by the "AUTHORITY" because of such failure, including extra engineering costs, in addition to that specified in section 108.7 of the Standard Specifications.**

(6) IT IS FURTHER AGREED if at any time during the prosecution of the work, the "AUTHORITY" shall determine that the work provided for is not being performed according to the contract, it may suspend the work under the contract, and thereupon complete it in compliance with the contract.

(7) ON THE FAITHFUL PERFORMANCE of the work set forth in the contract and the acceptance of the "AUTHORITY", the "AUTHORITY" hereby agrees to pay the "CONTRACTOR" the amount due and owing.

(8) THE AUTHORITY SHALL, once in each month make an estimate of work done, and of material which has been actually put in place, in accordance with the terms and conditions of this contract, during the preceding month, and compute the value thereof as set forth in the contract. From the total of the amounts so ascertained, there shall be deducted an amount equivalent to two (2) percent (2%) of the whole to be retained by the "AUTHORITY" until after completion of the entire contract, and its acceptance.

(9) IT IS FURTHER AGREED that so long as any lawful or proper directions concerning the work or material given by the "AUTHORITY" shall remain unaccomplished, the "CONTRACTOR" shall not be paid any estimate on account of work done or material furnished until such lawful or proper direction aforesaid has been fully and satisfactorily complied with.

(10) "CONTRACTOR" AGREES that in the employment of labor, in the performance of this contract, no preference or discrimination among citizens of the United States shall be made.

(11) IT IS UNDERSTOOD and agreed that the plans, specifications, and proposals, as well as the "Information for Bidders", a copy of which is hereto attached, are each made part of this contract, and each and every provision thereof not herein specifically set forth shall be considered as binding upon the parties hereto as though same were herein written.

(12) CONTRACTOR SHALL NOT assign, transfer, convey, sublet, or otherwise dispose of this contract, or of his right, title or interest therein, or his power to execute such contract, to any other persons, company, or corporation, without the previous consent in writing of the "AUTHORITY."

(13) A COPY of the bond given by the "CONTRACTOR" to secure proper compliance with the terms and provisions of this contract is hereto attached and made a part thereof.

(14) WHEREVER the term "West Virginia Department of Highways" is used in any contract document, it means "West Virginia Parkways Authority."

(15) THIS CONTRACT has been recommended by the General Manager and in witness thereof, the "AUTHORITY" has caused its corporate name to be signed hereto by Gregory C. Barr, General Manager, and its corporate seal affixed hereto, and "CONTRACTOR" has caused this contract to be properly executed as set forth below:

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

(SEAL)

*(Name of Corporation)*

ATTEST:

By \_\_\_\_\_  
Signature

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Name and Title of Officer Signing

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness

**WEST VIRGINIA PARKWAYS  
AUTHORITY, a Corporation**

General Manager \_\_\_\_\_

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS, that we \_\_\_\_\_

Hereinafter called the "PRINCIPAL" and \_\_\_\_\_

a corporation, incorporated under the laws of the State of \_\_\_\_\_

hereinafter called the "SURETY" are held and firmly bound unto the West Virginia Parkways Authority and the Trustee in the full and just sum of

\_\_\_\_\_ lawful money of the United States of America, to be paid to the West Virginia Parkways Authority, which payment well and truly too be made and done, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally firmly by these presents.

Sealed with our respective seals and dated \_\_\_\_\_.

The condition of this obligation is such: THAT WHEREAS, the said "PRINCIPAL" as "Contractor" has entered into a certain contract dated \_\_\_\_\_

with the West Virginia Parkways Authority, a corporation, to build and complete according to the plans and specifications therein described and referred to, that certain project in Raleigh County, West Virginia, described as follows:

PROJECT NAME: BECKLEY SOUTH MAIN, ROOF AND SIDING REPLACEMENT 2015  
374 GEORGE STREET, BECKLEY WV  
RALEIGH COUNTY

WHEREAS, it was one of the conditions of the award of said contract that this bond be executed by "PRINCIPAL" and "SURETY" and delivered to the West Virginia Parkways Authority.

NOW, THEREFORE, if the said "PRINCIPAL" as contractors, shall in all respects well and truly comply with the terms and conditions of said contract, and his, their or its obligations thereunder, including the plans and specifications therein described and referred to, all, of which are made a part hereof, and such alterations and modifications as may be made in said plans and specifications as therein provided, which alternations and modifications shall not operate to discharge the "PRINCIPAL" or "SURETY" on this bond, and said Contractor shall well and truly, and in a manner satisfactory to the West Virginia Parkways Authority, complete the work contracted for in accordance with the terms and conditions of said contract and within the completion date therein specified, and shall promptly pay in full to the persons, entitled thereto for all materials, gas, oil, repairs, suppliers, equipment, rental charges for equipment and charges for the use of the equipment, and labor used by the Contractor in and about the performance of such contract, including such claims, services, and obligations against subcontractors, and shall save harmless the West Virginia Parkways Authority, and the Trustee from any expense incurred through the failure of said Contractor, including subcontractors, to complete the work as specified, and for any damages growing out of the carelessness or negligence of said Contractor, his, their or its servants, agents and employees, or his subcontractors, their agents, servants, and employees, and shall fully pay off and discharge and secure

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

the release of any and all mechanics' liens which may be placed upon said property by any subcontractor, laborer, or material men, and shall also save and keep harmless the West Virginia Parkways Authority and the Trustee from all losses to it or them from any cause whatever including patent, trademark, and copyright infringements in the manner or constructing said contract including errors in drawings furnished by the Contractor, then this obligation shall be null and void. Otherwise it shall remain in full force and effect.

(Affix Corporation Seal Here)

\_\_\_\_\_  
Name of Corporation

By: \_\_\_\_\_

\_\_\_\_\_  
Title of Officer Signing

\_\_\_\_\_  
If Co/Surety Company

\_\_\_\_\_  
Surety Company

By: \_\_\_\_\_

By: \_\_\_\_\_

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Phone Number

\_\_\_\_\_  
Phone Number

(for Contractor if a Corporation)

State of \_\_\_\_\_ County of \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

by: \_\_\_\_\_

Name of Officer

Title of Officer

of: \_\_\_\_\_

(Insert Name of Corporation)

a \_\_\_\_\_ Corporation, on behalf of the Corporation.

(State of Incorporation)

West Virginia Parkways Authority  
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My commission expires \_\_\_\_\_  
Notary Public

(For Surety if Corporation)

State of \_\_\_\_\_ County of \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

by: \_\_\_\_\_ as Attorney-In-Fact on behalf of  
(Name of Attorney-In-Fact)

\_\_\_\_\_  
(Insert Name of Corporation)

a \_\_\_\_\_ Corporation, on behalf of the Corporation.  
(State of Incorporation)

My commission expires \_\_\_\_\_  
Notary Public

(For Co/Surety if Corporation)

State of \_\_\_\_\_ County of \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

BY: \_\_\_\_\_  
Name of Officer Title of Officer

OF: \_\_\_\_\_  
(Insert Name of Corporation)

A \_\_\_\_\_ Corporation, on behalf of the corporation.  
(State of Corporation)

My commission expires \_\_\_\_\_  
Notary Public

West Virginia Parkways Authority  
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FINAL RELEASE OF LIABILITY

I/We \_\_\_\_\_ hereby certify that all bills, charges and salaries for labor, services, materials and rental of equipment, arising out of the prosecution of the work under Contract/Project No. BECKLEY SOUTH MAIN ROOF AND SIDING REPLACEMENT 2015 has been paid, or satisfactory arrangements for payment have been made. I/We further certify that all other just demands and liens relating to this project have been fully satisfied. I/We hereby release the West Virginia Parkways Authority, its Engineers and representatives from all claims demands and liability of whatsoever nature arising from anything done or furnished under this contract.

SIGNED AND SEALED THIS \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Business Name

\_\_\_\_\_  
Address  
\_\_\_\_\_

Witness or Attest:

By: \_\_\_\_\_ (L.S.)

\_\_\_\_\_  
Title: \_\_\_\_\_

(Affix Corporate Seal Here)

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

STATE OF WEST VIRGINIA  
Purchasing Division  
**PURCHASING AFFIDAVIT**

**West Virginia Code §5A-3-10a states:** No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

**DEFINITIONS:**

“Debt” means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers’ compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

“Debtor” means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. “Political subdivision” means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. “Related party” means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers’ compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

**WITNESS THE FOLLOWING SIGNATURE**

Vendor’s Name: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Date: \_\_\_\_\_

State of \_\_\_\_\_

County of \_\_\_\_\_, to-wit:

Taken, subscribed, and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

My Commission expires \_\_\_\_\_, 20\_\_.

**AFFIX SEAL HERE NOTARY PUBLIC** \_\_\_\_\_

*Purchasing Affidavit (Revised 12/15/09)*

**West Virginia Parkways Authority**  
**Beckley South Main Metal Roof And Siding Replacement 2015**

**GENERAL TERMS & CONDITIONS**  
**REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The Authority may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee.
5. Payment may only be made after the delivery and acceptance of goods or services.
6. Interest may be paid for late payment in accordance with the West Virginia Code.
7. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
10. The laws of the State of West Virginia and the Legislative Rules shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
12. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
13. HIPAA Business Associate Addendum - The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

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**INSTRUCTIONSTO BIDDERS**

1. Use the quotation forms provided by the Authority.
  2. SPECIFICATIONS: Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Director may waive minor deviations to specifications.
  3. Complete all sections of the quotation form.
  4. Unit prices shall prevail in cases of discrepancy.
  5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
  6. BID SUBMISSION: All quotations must be delivered by the bidder to the office listed prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications.
- Rev. 9/25/07*

**WV PARKWAYS AUTHORITY**  
Purchasing Department

West Virginia Parkways Authority  
Beckley South Main Metal Roof And Siding Replacement 2015

**SPECIAL PROVISIONS**

**PREFACE:**

The “Road and Bridges Specifications” of the West Virginia Department of Transportation, Adopted 2010 and latest supplemental specifications, copies of which are issued separately and the Special Provisions following, shall govern the work of this Project and the performance of the Contract. These specifications are hereby made a part of the Contract as fully and with the same effect as if set forth at length herein.

Attention is directed to the fact that any other documents printed by the West Virginia Department of Transportation modifying or supplementing said “Road and Bridges Specifications”, such as Special Provisions (by the Department), Notice to Bidders, etc., do not form a part of this Contract nor govern its performance, unless specifically so-stated in the Special Provisions herein contained. The current edition of the WVDOT “Standard Details Book”, Volume I and II, as amended are hereby made a part of this contract.

References to “Proposal” have been used interchangeably with “Bid” in the Authority’s documents for this contract. This shall be accounted for when working contract documents prepared by the Authority with those standards prepared by WVDOT.

References made to specific section numbers in these Supplemental Specifications, or in any of the various documents which constitute the complete Contract Documents, shall, unless otherwise denoted, be construed as referenced to the corresponding section of the “Road and Bridges Specifications” issued by the West Virginia Department of Transportation in and latest supplemental specifications.

**SPECIAL PROVISIONS**

**TO**

**WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
ROAD AND BRIDGES SPECIFICATIONS  
OF 2010**

The following provisions represent modifications to the corresponding sections of the West Virginia Department of Transportation Specifications, described above, and relate exclusively to the West Virginia Parkways Authority Contracts. In case of conflicting requirements between the West Virginia Department of Transportation Specifications and these modifications, the modifications shall govern. Any applicable provision in the West Virginia Department of Transportation Specifications not amended by and not in conflict with any Supplemental Specifications or Special Provision shall be in full effect.

All modifications contained herein are additions to the provisions of the designated sections of the West Virginia Department of Transportation Specifications unless the text specifically identifies a requirement to be an amendment to deletion of or substitution for a provision in the West Virginia Department of Transportation Specifications.

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**SECTION 101 – DEFINITION OF TERMS**

101 Terms

The following new definitions are added to or amended by this section:

**ADDENDUM** – A written, fax or telegraphic revision or addition to any of the Contract Documents, transmitted in advance of the opening of Bids to all parties who have been recorded by the Authority as having secured full sets of Contract Documents directly from the Authority or their designee.

**AUTHORITY** – The West Virginia Parkways Authority (WVPA), an agency of the state created by an amendment to the Code of West Virginia by amending, in Chapter 17, an Article 16A containing Section Nos. 17-16A-1 to 17-16A-23 inclusive. The Authority’s principal office is presently located at 3310 Piedmont Road, Charleston, West Virginia, 25306.

**MOT** – Maintenance of Traffic.

**MUTCD** – Manual on Uniform Traffic Control Devices for Streets and Highway and the West Virginia Supplement to the Manual on Uniform Traffic Control Devices for Streets and Highways.

**BID BOND** – One of the two permissible means of security offered as the Bid Guaranty, in the form of a surety bond executed by the Bidder and the Contractor’s Surety, guaranteeing that if the Authority Should award the Contract to the Contractor, the Bidder will execute and deliver the Contract Agreement and Contract Bond, together with other required documents (see Sec. 103.5), all within the prescribed time (see Sec. 103.8).

**STANDARD DRAWINGS** – Whenever the Plans and/or Specifications refer to “Standards” or “Standard Drawings” such reference shall be construed to mean the set of drawings issued by the West Virginia Department of Transportation, Division of Highways, and entitled Standard Details Book, Volumes I and II. Those standards or standard drawings current at the date of advertisement are applicable to work on this Contract.

**FULL COMPLETION OF ALL WORK (OR TO FULLY COMPLETE ALL WORK)** – The completion of all work specified under this Contract as evidenced by the formal acceptance thereof by the Authority.

**TRAFFIC CONTROL MANUAL** – The West Virginia Traffic Control for Streets and Highway Construction and Maintenance Operations Manual, dated May, 2006 and all subsequent revisions when revised.

Whenever in the various Contract Documents the term, “Commission” or “State” appears, it shall be replaced by the term, “West Virginia Parkways Authority.” Similarly, the term, “Commissioner” shall be replaced by the term, “General Manager” of the West Virginia Parkways Authority.

Whenever in the West Virginia Department of Transportation Specifications and Standard Drawings the term “Division” or “West Virginia Department of Transportation” appears, it shall be replaced by the term, “West Virginia Parkways Authority,” except in references to said West Virginia Department of Transportation, Division of Highways, as being the author of certain Specifications and Standard Drawings, and in reference to said Division as the agency prequalifying prospective Bidders.

Whenever in the West Virginia Department of Transportation Specifications, Special Provisions and Standard Drawings the term, “District Engineer” appears, it shall be replaced by the term, “Engineer”.

The definitions for the following terms as they appear in this section are deleted and the following definitions substituted therefore:

**CONTRACT TIME** – Each calendar date indicated in the Specifications or Special Provisions as the time allowed for the completion of any designated portion or for all of the work under the Contract, including any extensions thereto that may subsequently be authorized.

**SPECIFICATIONS** – The general term comprising all the directions, provisions and requirements contained in the West Virginia Department of Transportation, “Roads and Bridges Specifications”, 2010 Edition and latest supplemental specifications, the

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Authority's Supplemental Specifications and Special Provisions and in any Addenda and Change Orders or Supplemental Agreements that may be issued, all of which are necessary for the proper performance of the Contract.

**SECTION 102 – BIDDING REQUIREMENTS AND CONDITIONS**

102.1 Prequalification of Bidders

Delete Entire Section.

102.2 Contents of Proposal Forms

The following documents are bound with and are also a part of the Bid Form:

- Non-Collusion Affidavit
- Contractor's License Certification
- Prequalification of Bidders Certification
- Addenda Certifications
- Non Discrimination Requirement

102.5 Examination of Plans, Specifications and Site of Work

Add the following paragraphs:

The Bidders are required to visit the Project site to form their own conclusions regarding access requirements, effort required to perform the tasks and other information needed to prepare their bid. Prior to visiting the site, a Bidder shall notify the Authority of the time and date of the Bidder's visit.

INSTRUCTIONS FOR SITE VISITS

Call the Parkways Facilities Manager, Cheryl Porterfield (304) 256-6680 and advice of the following:

1. Name of company and description of vehicle.
2. Purpose to visit construction site.
3. Date and approximate time of visit.

Special Instructions:

1. All persons are required to wear Authority approved safety vests when out of the vehicle.
2. Park vehicle as far off of the road as possible.
3. Leave flashers on when parked on berm.
4. When leaving, use shoulder to accelerate to speed of traffic.

Any Addenda that may be issued will be sent either by certified mail, overnight mail, facsimile, or some other means by which receipt of same can be accurately documented. The return to the Authority of a prospective Bidder's receipt of such Addenda will also be prima facie evidence that the Bidder has received and acknowledged the Addenda and has taken the contents thereof into consideration in preparing the Bidder's Bid.

102.6 Preparation of Bid

The Non-Collusion Affidavit must be executed by the person signing the Bid. In the case of Joint Venture Bidders, only the person signing the Bid on behalf of the Contractors involved need execute the Non-Collusion Affidavit.

The West Virginia Parkways Authority may elect to receive bids on more than one construction contract on the same date. When this event occurs, the Authority will award the various contracts after all of the bids for the various contracts are received and analyzed.

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102.8 Bid Guaranty

The following is added:

If a certified check is submitted as the Bid Guaranty, the check is to be made payable to the West Virginia Parkways Authority, and the project name and Contract number shall also appear on the face of the check, as well as the business name of the bidder.

A bid bond will be accepted only if executed on a form which contains the exact wording as the Bid Bond included in these contract documents form. Any bid accompanied by a bond having wording, which differs in any respect from the Bid Bond form may be rejected.

102.9 Delivery of Proposals

Delete the entire section and substitute the following:

Bids will be accepted at the Authority's office at 3310 Piedmont Road, Charleston, West Virginia 25306 until scheduled bid opening time.

**SECTION 103 – AWARD AND EXECUTION OF CONTRACTS**

103.2 Award of Contract

Delete the contents of 103.2 and replace with the following:

The Authority will award a contract within thirty (30) days of the bid opening for said Contract. If a Contract is not awarded within this time period, the Bidder shall have the right to withdraw the Bidder's Bid for the Contract without penalty or prejudice, unless the award date is extended by mutual consent.

The Authority agrees that Award of Contract, if made, will be determined without discrimination on the ground of race, creed, color, sex or national origin.

103.6 Insurance Requirements

Delete the heading and contents of Section 103.6.1 and replace with the following:

103.6.1 Contractor's General Liability Insurance

The Contractor shall maintain commercial general liability (CGL) coverage with limits not less than:

General Aggregate	\$2,000,000
Products Completed Operations Aggregate	\$2,000,000
Personal & Advertising Injury	\$ 1,000,000
Each Occurrence*	\$ 1,000,000
Fire Damage	\$ 50,000
Medical Expense Limit	\$ 5,000

\*Each Occurrence limit shall be \$2,000,000 when performing any operations that are subject to 107.8. Railway-Highway Provisions.

The CGL shall be written on ISO occurrence form CG 00 01, or equivalent, and shall cover liability arising from premises-operations, independent contractors, products-completed operations, personal injury and advertising injury, and liability assumed under an insured contract. There shall be no endorsement or modification of the CGL limiting the scope of coverage for liability arising from explosion, collapse, or underground property damage whenever work involving these exposures are undertaken. The CGL policy shall include endorsements that amend the aggregate limits of insurance to be applicable to each construction project separately.

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Contractor shall furnish an Acord Form 25-S Certificate of Insurance, or its equivalent, with a 30-day notice of cancellation provisions to evidence this CGL coverage.

Delete the heading and contents of Section 103.6.2 and replace with the following:

103.6.2 Employer's Liability Insurance

The Contractor shall also give evidence of insurance for Employer's Liability Insurance, with a 30-day notice of cancellation. The Employer's Liability policy must include coverage to protect the contractor for claims brought under Section 23-4-2 of West Virginia Code. The limits of insurance under this section shall be as follows:

Each accident	\$1,000,000
Each disease	\$1,000,000
Each disease employee	\$1,000,000

Evidence of this coverage can be set forth on the ACORD 25-S specified in Subsection 103.6.1.

Delete the heading and contents of Section 103.6.4 and leave blank.

Delete the heading and contents of Section 103.6.5 and leave blank.

DELETE THE HEADING AND CONTENTS OF SECTION 10.3.6.6 AND REPLACE WITH THE FOLLOWING:

103.6.6 General

The Contractor shall procure and maintain at his own expense, until acceptance by the Authority of the Project, insurance for liability for damages imposed by law and assumed under this Contract, of the kinds and in the amounts herein provided, with insurance companies authorized to do business in the State. Before commencing the work, certificates of insurance together with declaration pages in satisfactory form shall be submitted to the Authority showing that he and all of his subcontractors have complied with this Subsection. The certificate or certificates and declaration pages shall provide that the policies shall not be changed or canceled until 30 days' notice has been given to the Authority. All certificates and notices of cancellation or change shall be mailed to Gregory C. Barr, General Manager, WV Parkways Authority, P.O. Box 1469, Charleston, WV 25325. Upon request, the Contractor shall furnish the Authority with a certified copy of each policy, including the provisions establishing premiums.

Insurance coverage in the minimum amounts set forth herein shall not be construed to relieve the Contractor for liability in excess of such coverage, nor shall it preclude the Authority from taking such other actions as are available to it under any other provision of this Contract or otherwise in law.

The above required CGL Insurance shall name as additional insureds the WVPA, the Engineer and his consultants and each of their officers, agents and employees.

The insurance policy shall be endorsed to include Broad Form Property Damage, Contractual Liability, Completed Operations and Independent Contractors.

103.7 Special Insurance

103.7.1 Marine Liability Insurance

The Contractor and/or Subcontractors engaged in marine operations must obtain "Primary Protection and Indemnity Insurance" with the limit of liability clause to be \$1,000,000 single limit for each occurrence.

103.7.2 Worker's Compensation and Employers Liability Insurance

The Contractor shall provide:

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1. Worker's Compensation Insurance – In accordance with the requirements of the laws of the State of West Virginia and shall include an all states endorsement to extend coverage to any state, which may be interpreted to have legal jurisdiction.
2. Employers Liability Insurance – Limit of not less than \$500,000 for each accident.

103.7.3 Excess Protection and Indemnity

This insurance shall have a minimum limit of \$1,000,000.

103.7.4 Umbrella Liability

This insurance shall have a minimum limit of \$1,000,000. The above required Umbrella Liability Insurance shall name as additional insured the WVPA, the Engineer and his consultants and each of their officers, agents, and employees.

103.7.5 Indemnity

To the fullest extent permitted by Law and Regulations, Contractor shall defend, indemnify and hold harmless the WVPA, Engineer, Engineer's Consultants, and the officers, directors, partners, employees, agents, and other consultants of each and any of them, from and against all claims, costs, losses and damages (including but not limited to all fees and charges of engineers, attorneys and other professionals and all court or arbitration or other dispute resolution costs) arising out of or resulting from the performance of the Work; provided that such claim, cost, loss or damage: (I) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom, and (II) is caused in whole or in part by any negligent act or omission of Contractor, Subcontractor, Supplier, or any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work, or anyone for whose acts any of them may be liable, regardless of whether or not caused in part by the negligence or omission of a person or entity indemnified hereunder or whether liability is imposed upon such indemnified party by Law or Regulations regardless of the negligence of such person or entity. Without limiting the generality of the foregoing, this indemnification obligation shall extend to and include any actions brought by, or in the name of, any employee of Contractor or organization to whom the Contractor is legally liable.

103.10 Preconstruction Conference

Delete this subsection. Substitute the following:

The preconstruction conference will be scheduled at a mutually agreed time as soon as possible after the award of the Contract. It will be held at the WVPA Headquarters at 3310 Piedmont Road. The Contractor, his superintendent or an agent authorized to sign the Contract Documents shall be present at the conference. The Contractor shall present the following items:

1. Contract Bond
2. Insurance Certificate(s)
3. Progress Schedule and Operation Plan
4. List of Material Supplier(s)
5. West Virginia Workers Compensation Certificate
6. WVDOH Pre-Qualification Certificate
7. List of Subcontractor(s)
8. Quality Control Plan(s)
9. List of Contractor's Key Personnel
10. Safety Plan
11. Superintendent's Qualifications
12. Contract (Signed by the Contractor)

The Contractor shall submit a progress schedule using the Bar Chart, Gantt Chart, or Critical Path Method (CPM) format. As a minimum, the schedule shall include:

- The duration of activities.
- The interrelationship of critical activities.
- Any temporary work necessary to complete project.
- An easily distinguishable critical path.

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- Final completion by the date specified in the contract (for fixed date contracts) or by the completion date determined by contract duration and NTP.

**SECTION 105 – CONTROL OF WORK**

105.2 Plans and Working Drawings

The seventh paragraph of this Section is deleted and the following substituted therefore:

The Contractor shall submit seven (7) prints (on white background) of each working drawing to the Engineer for review sufficiently in advance of the time when the related materials must be ordered and/or related work begun, to allow for the Engineer's review and for possible corrections and resubmissions by the Contractor. Materials ordered and work begun before the governing working drawings are completely approved shall be at the sole risk and expense of the Contractor. Upon completion of review, one print of each working drawing will be returned to the Contractor either marked approved or bearing the reasons for rejection. Unapproved drawings shall be corrected and resubmitted (in quintuplicate) as often as necessary until approved. Working drawings shall be uniform in size and of the same dimensions as the Contract Plans. Each drawing shall state in the title box the name of the Project, Contract number, drawing title and number, revisions number and date, scale(s), and names of Contractor and Subcontractor (if any). A space approximately three (3) inches by four (4) inches shall be left clear adjacent to the title box for stamping purposes.

Upon return of a working drawing print marked "No Exception Taken", the Contractor shall forward seven (7) additional prints to the Engineer for record and construction purposes. Upon completion of all work, the original tracings suitable for reproduction of every working drawing shall be forwarded to the Engineer. If the tracing is not drawn in ink on film, the Contractor shall reproduce the original by means of an approved process which will simulate ink on film.

105.5 Cooperation of Contractor

Add the following sentence:

The Contractor shall obtain from the WVDOT, at the Contractor's expense, all necessary copies of the West Virginia Department of Transportation (WVDOT) Specifications Road and Bridges, and the latest Supplemental Specifications, the Plans and these Special Provisions.

105.17 Submission and Disposition of Claims

The first paragraph of this section is deleted and the following substituted therefore:

Early or prior knowledge by the Authority of an existing or impending claim for damages might alter the plans, scheduling and other actions of the Authority or result in mitigation or elimination of the effect of the act objected to by the Contractor. Therefore, a written statement describing (1) the act of omission or commission by the Authority or its agents that allegedly caused damage to the Contractor and (2) the nature of the claimed damage, must be submitted to the Engineer at the time of occurrence or beginning of the work upon which the claim and subsequent action is base. If such damage is deemed certain in the opinion of the Contractor to result from the Contractor's acting upon an order emanating from the Engineer, the Contractor shall take written exception to such order immediately. Submission of notice of claim as specified shall be mandatory, failure to comply shall be a conclusive waiver to such claim for damages by the Contractor. Mere oral notice or statement will not be sufficient nor will notice or statement after the event since it tends to hinder, if not prevent, the Authority's investigation of the pertinent facts. At the time of occurrence or prior to beginning the work, the Contractor shall furnish the Engineer with an itemized list of equipment, labor and materials for which additional compensation will be claimed. The Contractor shall afford the Engineer every facility for keeping actual cost of the work. The Contractor and Engineer shall compare records and bring them into agreement at the end of each day. Failure on the part of the Contractor to afford the Engineer proper facilities for keeping strict account of actual cost will constitute a waiver of the claim for such extra compensation except to the extent that it is substantiated by Authority records. The filing of such notice by the Contractor and the keeping of cost records by the Engineer shall in no way be construed to establish validity of the claim. In the event the Contractor's claim contains Contractor-furnished data which cannot be verified from the Authority's project record, such data shall be subject to complete audit by the Authority or its authorized representative if it is to be used as a basis for claim settlement.

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Add the following:

105.18 Contractors Parking Access

The Authority will make designated areas located on WVPA property available for parking for the Contractor's employees and other vehicles and equipment not in use, provided that areas are restored to their original condition upon completion of the work.

All employees' and Contractors' vehicles and equipment not needed in the execution of the work shall be parked in these designated areas.

Tracking of mud and debris onto the Turnpike will not be permitted.

U-turns will not be permitted. This is a traffic violation and tickets will be issued.

105.19 Contractor's Toll Passage

The Contractor shall be responsible for payment of tolls.

105.20 Material Acceptance

In general, the materials that are covered by the Highway Specifications for this project will be tested and accepted in accordance with the West Virginia Department of Transportation Standard Specifications Road and Bridges, Adopted 2010 and the latest Supplemental Specifications, the Plans and these Special Provisions.

**SECTION 107 - LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC**

107.7 Public Convenience and Safety

Add the following after the last paragraph:

All workmen at the construction site whether employed by the Contractor or others shall wear a Type III chartreuse safety vest, jacket or t-shirt of approved color at all times. There are no exceptions; this includes truck drivers, delivery men, etc. The Contractor shall have a ready supply of vests at all times and issue as required to conform to these requirements.

The Contractor shall be solely responsible for the enforcement of these requirements and shall promptly remove any person that refuses to wear the approved attire on Turnpike Property.

107.14 Responsibility for Damage Claims

Delete the first line of the first paragraph and substitute:

“The Contractor shall indemnify and save harmless the Trustee, the Authority, the Engineer and its employees”.

**SECTION 108 - PROSECUTION AND PROGRESS**

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108.1 Subletting of Contract

Subletting will not be permitted.

**SECTION 109 - MEASUREMENT AND PAYMENT**

109.6 Partial Payment

Delete the entire section on "Substitution of Securities for Retainages".

Delete the paragraph regarding investment of retainages in the Consolidated Investment Fund of the State of West Virginia.

109.7 Payment for Material on Hand

Delete the entire section on "Payment for Material On Hand".

**SECTION 110 - MISCELLANEOUS PROVISIONS**

110.2 Minimum Wage Determinations

Delete the contents and substitute the following:

The West Virginia Division of Labor Wage Rates and Prevailing Wage Classification Work Descriptions in effect at the time of the bid opening will become a part of the contract documents. The Contractor must post the West Virginia Division of Labor Wage Rates on the jobsite at a location accessible to employees.

The West Virginia Division of Labor Wage Rates may be found posted at the Division's Internet website [www.wvdot.com](http://www.wvdot.com) by choosing the "**Contractors**" icon and selecting "**WV Division of Labor Prevailing**" under "**Wage Rates**" heading then select the appropriate year of wage rates from under the heading "**Publications and Services**" or a printed version can be obtained from the Secretary of State's Office or from the West Virginia Department of Transportation, Division of Highways, Contract Administration Division or from the West Virginia Division of Labor at the following address:

West Virginia Division of Labor  
Building 6, Room 749-B  
1900 Kanawha Boulevard, East  
Charleston, WV 25305-0570

If the Proposal contains U. S. Department of Labor Wage Rates and wage rates established by the West Virginia Division of Labor the minimum wage paid shall be the higher rate for each job classification.

The Prevailing Wage Classification Work Descriptions may be found posted at the Division's Internet website [www.wvdot.com](http://www.wvdot.com) by choosing the "**Contractors**" icon and selecting "**Prevailing Wage Classification (PDF)**" under work descriptions or a printed version can be obtained from the West Virginia Department of Transportation, Division of Highways, Contract Administration Division or from the West Virginia Division of Labor at the address listed above.

**WEST VIRGINIA JOBS ACT**

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This special provision shall not apply to any project in which federal funds are used for its construction.

West Virginia Jobs Act (Chapter 21 Article 1C of the West Virginia Code) and the following shall apply.

The Prime Contractor and all Subcontractors who work onsite are required to provide at least 75% of the workers from the local labor market as defined by the Act. The local labor market as defined by the Act includes all counties in West Virginia and any county that is within fifty miles of the West Virginia border. Each employer is permitted to have two workers from outside the local labor market. If workers are not available from inside the local labor market, the contractor shall obtain an employment waiver certificate from the local office of the West Virginia Job Service.

The Prime Contractor and all Subcontractors who work onsite shall provide to the WVPA a certified payroll and all employment waiver certificates for each week worked. The certified payroll must contain the County and State of residence for each employee. These shall be sent to Mrs. Margaret Vickers, Director of Logistics & Procurement at the West Virginia Parkways Authority, 3310 Piedmont Road, Charleston, WV 25306.

The West Virginia Division of Labor is responsible for interpreting and enforcing the provisions of the West Virginia Jobs Act. The information in this provision is being provided, as guidance to Contractors and is not meant to be all-inclusive. Not all information relating to the West Virginia Jobs Act is included in this provision.

**SECTION 204 - MOBILIZATION**

**204.1 DESCRIPTION**

ADD THE FOLLOWING AT THE END OF THE FIRST PARAGRAPH:

A mobilization item has been established for each work site.

**204.5 BASIS OF PAYMENT**

DELETE THE ENTIRE SECTION AND REPLACE WITH THE FOLLOWING:

Payment will be made for each site based on the progress at the site.

**SUBCONTRACTOR PROMPT PAYMENT**

**1. GENERAL:**

Contractors shall pay subcontractors for work satisfactorily performed by subcontractor, within fourteen (14) calendar days of receipt from the Authority of payment for subcontracted work. Retainage may be held by the contractor during the pendency of a subcontractor's work in accordance with terms of the subcontract but must be released by the contractor within fourteen (14) calendar days of satisfactory completion of the subcontractor's work and payment for the completed subcontract work by the Authority. Acceptance of the subcontracted work by the Authority shall constitute satisfactory completion of subcontracted work.

**2. WITHHOLDING PAYMENT RESTRICTIONS:**

The Contractor may delay or postpone payment, or delay or postpone release of retainage for good cause. This may include but shall not be limited to failure by the Subcontractor to pay for labor, supplies, or materials, or to provide any required documentation. Delay or postponement of payment may only be affected after written approval by the Authority.

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3. PENALTIES FOR NONCOMPLIANCE:

Failure to promptly pay subcontractors or to release subcontractor's retainage may result in disqualification of a contractor as non-responsible or refusal by the Authority to issue a Proposal Form to a contract for future projects as provided in Subsection 102.3. All subcontracting agreements made by the contractor as provided in Subsection 108.1 shall include this special Provision as incorporated in the contract. All disputes between the contractors and subcontractors relating to payment for completed work or retainage shall be referred to an independent dispute resolution arbitrator. Authority will provide internal controls to expedite the determination and processing of final quantities for the satisfactorily completed subcontracted portions of the contract in order to provide for prompt return of retainage.

**SECTION 701 –STANDING SEAM METAL PANELS**

**MANUFACTURER'S NAMES AND APPROVED EQUIVALENTS: Any manufacturers Names, trade names or brand names are for information only and are not intended to limit competition. The bidder may offer any brand for which they are an authorized representative that meets or exceeds the specification for any item(s). If bids/proposals are based on equivalent products, indication should be made on the bid/proposal, cuts, sketches, descriptive literature and/or complete specifications.**

DELETE ENTIRE SECTION BELOW AND REPLACE WITH THE FOLLOWING:

**1.01 SUMMARY**

- A. Section includes: Pre-finished, prefabricated, snap-together, structural standing seam roof system and accessories.
- B. Related Sections
  - 1. Metal decking
  - 2. Underlayment
  - 3. Insulation
  - 5. Flashing and sheet metal
  - 6. Joint sealers: sealants and caulk

**1.02 REFERENCES**

- A. American Society for Testing and Materials (ASTM)
  - 1. ASTM A 653: Steel Sheet, Zinc-Coated by the Hot Dip Process
  - 2. ASTM A 792: Steel Sheet, Aluminum-Zinc Alloy Coated by the Hot Dip Process.
  - 3. ASTM B 209: Aluminum and Aluminum Alloy Sheet and Plate.
  - 4. ASTM E 283: Air leakage
  - 5. ASTM E 331: Water penetration
  - 6. ASTM E 1646-95 Water Penetration
  - 7. ASTM E 1680-95 Air Infiltration and Exfiltration
- B. Underwriters Laboratory
  - 1. UL Building Materials Directory
  - 2. Underwriters Laboratories Construction No. 275, 275a, 275b, and 319 for Uplift Test 580 Class 90.
- C. Sheet Metal and Air Condition Contractors National Association, Inc. (SMACNA)
  - 1. SMACNA Architectural Sheet Metal Manual, 1993 Edition.

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- D. American Iron and Steel Institute (AISI)
  - 1. AISI Cold Formed Steel Design Manual
- E. Aluminum Association
  - 1. Aluminum Design Manual
- F. Metal Construction Association (MCA)
  - 1. Preformed Metal Wall Guidelines
- G. Code references
  - 1. ASCE, Minimum Loads for Buildings and Other Structures
  - 2. BOCA National Building Code
  - 3. UBC Uniform Building Code
  - 4. SBC Standard Building Code

**1.03 SYSTEM DESCRIPTION**

- A. Performance Requirements: Provide factory formed, pre-finished, field-seamed, concealed clip, structural standing seam metal roof system that has been pre-tested and certified by manufacturer to comply with specified requirements under installed conditions.
  - 1. Provide UL90 rated roofing system that has been tested in accordance with UL 580 test procedure. Panels shall be capable of spanning 5'-0" o.c. purlins with UL90 rating.
  - 2. Resistance to air leakage: there was no air infiltration at 20 psf pressure differential. There was no air exfiltration at 20 psf pressure differential.
  - 3. Resistance to water penetration: There was no leakage through panel joints when tested in accordance with ASTM E 1646 at static pressure differential of 20.0 psf.
- B. Structural Requirements: Engineer panels for structural properties in accordance with latest edition of American Iron and Steel Institute Cold Formed Steel Design Manual using "effective width" concept and Aluminum Association's Aluminum Design Manual.

**1.04 SUBMITTALS**

- A. Product Data: submit manufacturer's specifications, standard profile sheet, product data brochure and finish warranty.
- B. Shop Drawings: shop drawings showing roof plan with layout of panels, clips, clip attachment, underlayment and sections of each flashing/trim condition shall be submitted for approval prior to fabrication. Drawings shall contain material type, metal thickness and finish. Drawings shall distinguish between factory and field fabrication.
- C. Samples:
  - 1. Submit sample 12" long x full width panel, showing proposed metal gauge, seam profile and specified finish.
  - 2. Submit manufacturers standard colors for Architect's selection.
- D. Test Reports:
  - 1. Submit the test reports prepared by Underwriters Laboratory indicating wind uplift rating of proposed roof system. The manufacturer must be listed by name in the UL Directory.

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2. Air leakage per ASTM E 1680 and Water penetration per ASTM E 1646 (Actual independent laboratory certified test results must be submitted).

E. Certification: Submit manufacturer's certification that materials and finishes meet specification requirements.

**1.05 QUALITY ASSURANCE**

A. Panel manufacturer shall have a minimum of ten (10) years of experience in manufacturing architectural roofing in a permanent stationary indoor facility.

B. Panel installer shall have a minimum of five (5) years' experience in the installation of concealed clip architectural standing seam metal roofing and show evidence of successful completion of at least three (3) projects of similar size, scope, and complexity located in the State of WV.

**1.06 DELIVERY, STORAGE, and HANDLING**

A. Panels and flashings shall be protected and properly packaged to protect against transportation damage in transit to the jobsite.

B. Upon delivery, exercise care in unloading, stacking, moving, storing, and erecting panels and flashings to prevent twisting, bending, scratching, or denting.

C. Store panels and flashings in a safe, dry environment under a waterproof covering to prevent water damage. Allow for adequate ventilation to prevent condensation. Panels and flashings with strippable film shall not be stored in direct sunlight.

D. Upon installation immediately remove strippable film from panels and flashings. Protect panels and flashings from foot traffic and from all other trades.

**1.07 PROJECT CONDITIONS**

A. Field dimensions shall be taken prior to fabrication to verify jobsite conditions.

B. Minimum recommended pitch for this panel is 1/2:12.

C. Maximum panel length is 48' (contact the factory for longer panels).

**1.08 WARRANTIES**

A. Panel manufacturer shall provide a twenty (20) year warranty on the paint finish covering chalking, cracking, checking, chipping, blistering, peeling, flaking, and fading.

B. Applicator shall furnish written warranty for a two (2) year period from date of substantial completion of building covering repairs required to maintain roof and flashings in watertight conditions.

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**2.01 PRODUCT DESCRIPTION**

- A. Stand'N Seam structural standing seam roof system as manufactured by Fabral, as provided by North Coast Roofing Systems, 618 Fifth Street West, Huntington, WV 25701 Telephone: 304-757-4743 or pre-approved equal.
- B. The Stand'N Seam panel shall have a coverage of 12" or 16". Seams shall be 2½" high.
- C. Roof panels shall use a one-piece roof clip allowing for unlimited thermal movement of the panel system.
- D. The panel shall have a factory applied mastic and be seamed by using a portable electric seamer that joins adjacent panels together with a double-lock seam. This portable electric seamer will be provided by the panel manufacturer. The double-lock seam shall be closed flat and tight.
- E. The one-piece clip will engage an interior bi fold vertical hem which permits the panel unlimited thermal expansion and contraction. Clips folded into the double lock seam will not be permitted.
- F. The panel system shall be as a true standing seam shape requiring no trapezoidal foam closures, plugs, or fillers at eaves.
- G. The panel shall not rub against the fastener heads during thermal movement.

**2.02 PRODUCT SUBSTITUTIONS**

- A. Requests to use alternate systems shall be submitted in writing to the project designer at least ten (10) days prior to bid date. Request shall demonstrate proposed substitution meets or exceeds specified performance requirements. Certified statements, samples and descriptive data shall be included in this submittal request.

**2.03 MATERIALS AND FINISHES**

- A. Roof panel materials
  - 1. 24 ga., Grade 50 (50 ksi yield strength) structural steel with AZ50 (0.50 oz./ft.2) aluminum-zinc alloy coating, both conforming to ASTM A 792.
- B. Texture: panels shall be smooth.
- C. Finish: Refer to manufacturer's standard color card to determine appropriate finish and color. All panels shall receive a factory-applied Kynar® 500/Hylar® 5000\* or approved equal conforming to the following:

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1. Metal preparation: all metal shall have the surfaces carefully prepared for painting on a continuous process coil coating line by alkali cleaning, hot water rinsing, application of chemical conversion coating, cold water rinsing, sealing with an acid rinse, and thorough drying.
2. Prime coating: a base coat of epoxy paint, specifically formulated to interact with the top-coat, shall be applied to the prepared surfaces by roll coating to a dry film thickness of  $0.20 \pm 0.05$  mils. This prime coat shall be oven cured prior to application of finish coat.
3. Exterior coating: a Kynar® 500/Hylar® 5000 finish coating or equal shall be applied over the primer by roll coating to a dry film thickness of  $0.80 \pm 0.05$  mils for a total dry film thickness of  $1.00 \pm 0.10$ . This finish coating shall be oven-cured.
4. Interior finish coating: a washcoat shall be applied on the reverse side over the primer by roll coating to a dry film thickness of  $0.30 \pm 0.05$  mils for a total dry film thickness of  $0.50 \pm 0.10$  mils. The washcoat shall be oven-cured.
5. Color: the color of the exterior finish shall be as chosen from the manufacturer's standard color chart.
6. Physical properties: the coating shall conform to the manufacturer's standard performance criteria as listed by certified test reports for fade, chalk, abrasion, humidity, adhesion, pollution resistance, and others as required and standard within the industry.

## 2.04 ACCESSORIES

### A. Concealed roof clips:

1. 1 pc.: 18 ga. stainless steel UL90 rated clip, 3" long.
2. 1 pc.: 18 ga. galvanized steel clip, 3" long.

### B. Flashing and Trim

1. All flashing and trim shall be of the same material, gauge, finish, and color as the roof panels and fabricated in accordance with standard SMACNA procedure and details.
2. Provide transition rib covers where roofing changes pitch.
3. Fabricate gutters and downspouts in the same gauge, material, finish, and color as the roof panels.

### C. Fasteners

1. Clips to substrate: screw shall be #12 diameter, self tapping type (for attachment to wood) or self-drilling, self tapping (for attachment to light gauge structurals), zinc-plated steel with a low-profile, phillips drive head.

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2. Flashings to panels: exposed screws shall be zinc plated with a #14 x 1" combination steel and neoprene washer, color to match panel.

D. Sealants

1. Shall not contain oil, asbestos, or asphalt.

2. Factory applied sealant shall be applied in the seam and designed for metal to metal concealed joints.

3. Field applied panel end sealant shall be mastic tape sealant.

4. Exposed sealant shall be one-part polyurethane joint sealant. Coordinate color with roof panels.

E. Closures

1. Ridge and hip closures shall be protected and supported by a formed metal closure manufactured from the same material, color, and finish as the panels.

2. Metal closures shall be factory fabricated and field-cut as needed.

F. Vapor Retarder:

1. Retarder with a permeance of 0.05 or less as determined by ASTM E 98.

**2.05 RELATED MATERIALS**

A. Refer to other sections listed in Related Sections paragraph for related materials.

**2.06 FABRICATION**

A. Roof panels shall be formed in continuous lengths. End laps will not be allowed.

B. Panels shall to be roll formed on a stationary industrial type rolling mill to gradually shape the sheet metal. Portable rollformers, rented or owned by the installer, are not acceptable.

C. Fabricate flashings from the same material as the roof system.

**2.07 SOURCE QUALITY**

A. Source Quality: obtain metal panels and accessories from a single manufacturer.

B. Fabrication tolerances: follow tolerances in MCA's Preformed Metal Wall Guidelines.

C. Tests and inspections

D. Verification of performance

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**3.01 MANUFACTURER’S INSTRUCTIONS**

A. Compliance: Comply with manufacturer’s product data, including product technical bulletins, product catalog installation instructions, and product cartons for installation.

**3.02 EXAMINATION**

A. Installer shall:

1. Inspect roof deck to verify deck layout complies with shop drawing layout and is smooth, even, sound, and free of depressions.
2. Report variations and potential problems in writing to the architect.

**3.03 INSTALLATION**

A. Conform to the standard set forth in the SMACNA architectural sheet metal manuals and the approved shop drawings detailed for the project.

B. Install panels plumb, level, and straight with the seams parallel, conforming to the design as indicated.

C. Install panel system so it is watertight, without waves, warps, buckles or distortions, and allow for thermal movement considerations.

D. Abrasive devices shall not be used to cut on or near roof panel system.

E. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration.

F. Remove any strippable film immediately upon exposure to direct sunlight.

G. Hand-crimp seams at each clip or mechanically seam before workers stand on panels.

H. Seam panels together with electric-powered seaming machine supplied by the panel manufacturer for a weathertight seam.

I. Vapor retarder: The joints, perimeter, and all openings shall be sealed per the manufacturer's instructions to provide a continuous vapor retarder.

**3.04 CLEANING**

A. Dispose of excess materials and debris from jobsite.

B. Remove filings, grease, stains, marks, or excess sealants from roof panel system to prevent staining.

C. Protect work from damage from other trades until final acceptance.

END OF SECTION

**METAL WALL PANELS**

**Part I        GENERAL**

**1.01    WORK INCLUDED**

Furnish all material, labor, and equipment to complete installation of metal roofing/siding as shown on the drawings and herein specified. Include all copings, gutters, and flashings contiguous with the roofing or siding.

**1.02    SYSTEM DESCRIPTION**

- A.     The metal roofing/siding system including required trim members shall meet the specified requirements for snow loads and wind loads.
  
- B.     The panel will have a 1¼" high ribs at 12" o.c. There shall be two small stiffening ribs between the main ribs.

**1.03    QUALITY ASSURANCE**

- A.     Manufacturer Qualifications

Minimum of 10 years experience in manufacturing of industrial metal roofing/siding systems.

- B.     Installer Qualifications

Minimum of 5 years experience in installation of metal roofing/siding of similar size and scope in the State of WV.

- C.     Inspections

- 1.     The substrate shall be inspected before panel installation to verify that it complies with shop drawings and specified tolerances.
  
- 2.     The final inspection shall be conducted to verify that the installation complies with the shop drawings.

**1.04    REFERENCES**

- A.     AAMA E 605 2 Finish Standards

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- B. ASTM 84 70 Flame Spreading Rating
- C. SMACNA (Sheet Metal and Air Conditioning Contractors' National Association) Architectural Sheet Metal Manual Specifications.
- D. 1973 ASHRAE Handbook of Fundamentals.

**1.05 SUBMITTALS**

- A. Complete shop drawings, including roof plan and/or elevations and sections of each condition, shall be submitted for approval prior to fabrication. Such drawings shall also include material type, metal thickness, finish, and manufacturer's installation procedures.
- B. Submit a sample and selected finish and color for architect/owner approval.

**1.06 DELIVERY, STORAGE, AND HANDLING**

- A. Store the panels properly and adequately to protect from damage on jobsite.
- B. Protect roofing/siding from adverse job conditions (i.e., moisture) prior to installation.
- C. Protect roofing/siding from other trades after installation.

**1.07 WARRANTY**

- A. Paint finish shall have manufacturer's standard 20-year warranty.
- B. The installation contractor shall issue a separate two year warranty against defects in installed materials and workmanship. Warranty shall begin from date of substantial completion and acceptance of the project.

**2.01 ACCEPTABLE MANUFACTURER**

Fabral -- Mighti-Rib as provided by North Coast Roofing Systems, 618 Fifth Street West, Huntington, WV 25701, Telephone 304-757-4743 or pre-approved equal.

**2.02 MATERIALS**

- A. Panels
  - 1. Panels shall be custom fabricated from:
    - a. 24 ga. Grade 50 (50 ksi yield strength) structural steel with AZ50 aluminum-zinc alloy coating, conforming to ASTM A 792.
  - 2. The main ribs of the Mighti-Rib or approved equal panels shall be 12" o.c., 1¼" high. Panel coverage shall be 36". The panels shall have an overlapping sidelap feature.

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B. Screws

1. All screws shall be aluminum, plated steel, or stainless steel. They shall have a combination steel and EPDM washer.
2. Screws for panel to girt/purlins shall be of the type and size and of sufficient length to penetrate the supporting member by 1". All fasteners shall be applied in accordance with the fastening schedule for .
3. Screws for flashings and sidelaps shall be #14 HHA x 3/4" sheet metal stitch screws. All accessories, flashings, and sidelaps shall be fastened 12" o.c.

C. Flashings shall be fabricated from material that is the same thickness and finish as the wall panels to which they are attached. Where practicable, flashings shall be furnished in maximum 10' lengths. Exposed flashings shall be lapped 6".

D. Closures shall be pre-molded polyethylene to match the profile of the wall panel and shall be in lengths as supplied by the panel manufacturer.

E. Caulking shall be a polyurethane where it is exposed. All caulking or sealing shall be done in a neat manner with excess caulking or sealant removed from exposed surfaces.

F. Caulking shall be a non-skinning, non-hardening gun grade butyl sealant or butyl sealant tape with a minimum thickness of 1/8" where it is concealed. All caulking or sealing shall be done in a neat manner with excess caulking or sealant removed from exposed surfaces.

### 2.03 FABRICATION

A. Maximum allowable fabrication tolerances shall be as follows:

1. Panel coverage: 36".
2. Main rib height: 1 1/4" ± 1/8".
3. Panel shearing length: ± 1/4" maximum.

B. Accessories and trim components shall be factory fabricated or field formed in finish and metal thickness, same as the panels, except as otherwise noted on the drawings.

### 2.04 FINISHES

Refer to manufacturer's standard color card to determine appropriate finish and color. All panels shall receive a factory-applied (siliconized polyester) (Kynar® 500/Hylar® 5000) (vinyl plastisol) or equal conforming to the following:

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- A. Metal preparation: all metal shall have the surfaces carefully prepared for painting on a continuous process coil coating line by alkali cleaning, hot water rinsing, application of chemical conversion coating, cold water rinsing, sealing with an acid rinse, and thorough drying.
- B. Prime coating: a base coat of primer, specifically formulated to interact with the top-coat, shall be applied to the prepared surfaces by roll coating to a dry film thickness of  $0.20 \pm 0.05$  mils. This prime coat shall be oven cured prior to application of finish coat.
- C. Exterior coating: a (siliconized polyester) (Kynar® 500/Hylar® 5000) (vinyl plastisol) or equal finish coating shall be applied over the primer by roll coating to a dry film thickness of  $0.80 \pm 0.05$  mils ( $3.80 \pm 0.05$  mils for vinyl plastisol) for a total dry film thickness of  $1.00 \pm 0.10$  mils ( $4.00 \pm 0.10$  mils for vinyl plastisol). This finish coating shall be oven-cured.
- D. Interior finish coating: a washcoat shall be applied on the reverse side over the primer by roll coating to a dry film thickness of  $0.30 \pm 0.05$  mils for a total dry film thickness of  $0.50 \pm 0.10$  mils. The washcoat shall be oven-cured.
- E. Color: the color of the exterior finish shall be as chosen from the manufacturer's standard color chart.
- F. Physical properties: the coating shall conform to the manufacturer's standard performance criteria as listed by certified test reports for fade, chalk, abrasion, humidity, adhesion, pollution resistance, and others as required and standard within the industry.

### **3.01 PREPARATION**

Installer shall:

- A. Verify that substrate layout complies with shop drawing layout.
- B. Report any variations and potential problems to the general contractor.
- C. Not start work until unsatisfactory conditions have been corrected.

### **3.02 INSTALLATION**

- A. The roofing/siding system shall be installed plumb, straight, and true to adjacent work.
- B. Polyethylene profile closures shall be provided and used as needed.
- C. No perforations shall be made in roofing/siding by fasteners except as shown on the drawings.

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END OF SECTION

**SPECIAL PROVISIONS FOR  
BECKLEY SOUTH MAIN ROOF AND SIDING REPLACEMENT 2015**

1. **GENERAL**

• **Superintendent**

The Contractor shall furnish a competent superintendent who is thoroughly familiar with the above regulations, the specified requirements and the methods needed for proper performance of the work. The superintendent's experience record shall be submitted to the Authority for review and approval. The superintendent shall plan, direct, coordinate and supervise all of the work.

A. **Quality Control**

The Contractor shall be responsible for quality control on this project in accordance with these plans and specifications. The Authority's representative will provide daily QA and project supervision.

# APPENDIX A

West Virginia Parkways Authority  
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**SCOPE OF WORK**

The West Virginia Parkways Authority, hereafter “Authority”, is accepting bids for the replacement of the Beckley South Main building, Roof, Gutters and Siding, 374 George Street, Beckley WV Raleigh County.

• **WARRANTY**

- A. The Contractor shall guarantee all work including labor and material for a period of twenty (20) years after completion. All material warranties for extended periods shall be assigned to the Authority.
- B. All work and new products shall not void the warranties of the existing roof system to remain. Contractor is responsible for coordination and warranty verification of existing roof supplier.

• **PAYMENT**

- A. The costs for all materials, labor, and repairs indicated in the contract documents shall be paid for as item 701001-001, Beckley South Roof and Siding Replacement per lump sum. No other payment except for item 701001-002 Wet or Damaged Insulations Roof and 701001-003 Wet or Damaged Insulation Walls as directed by the Authority.

• **TASKS**

- A. Furnish all materials and labor to remove and replace all gutters, downspouts.
- B. Furnish all materials and labor to remove and replace any wet or damaged insulation with material of like type and thickness as directed by the authority.
- C. Furnish all materials and labor to remove and replace existing asphalt and metal roofing with metal roofing including all coping, gutters, and flashing contiguous with roof.
- D. Furnish all materials and labor to replace metal siding, including all coping and flashing contiguous with siding, window and door trim.
- E. Furnish all materials and labor to replace any rusted base channel.
- F. Parkways will remove and reinstall any electrical, piping or awning from building.
- G. Clean-up all construction debris and leave site in an orderly fashion daily.
- H. Properly remove and dispose of all waste material from the Authority’s Property upon completion.

Note: Approximately 174 sq. ft. of roof area (awnings), and 1,210 sq. ft. of wall area (brick, vinyl and fiber cement board siding) will not be replaced, these sections will be identified at the Mandatory Pre-Bid Meeting.

**WORK SEQUENCE**

- A. Schedule and execute work to prevent leaks and excessive foot traffic on completed roof sections. It is the responsibility of the contractor to protect the interior of the building and to ensure no water enters the building.

**West Virginia Parkways Authority**  
**Beckley South Main Metal Roof And Siding Replacement 2015**

- B. Do not disrupt activities in occupied spaces. Prior to any work activities, the Contractor shall coordinate and get approved by the Parkways. There may be times work is not permitted during certain times of the day.

**USE OF THE PREMISES**

- A. Before beginning work, the roofing contractor must secure approval from the building owner's representative for the following:
  - 1. Areas permitted for personnel parking.
  - 2. Access to the site.
  - 3. Areas permitted for storage of materials and debris.
  - 4. Areas permitted for the location of cranes, hoists and chutes for loading and unloading materials to and from the roof.

**EXISTING CONDITIONS**

If discrepancies are discovered between the existing conditions and those noted in this proposal, immediately notify the owner's representative by phone and solicit the manufacturer's approval prior to commencing with the work. Necessary steps shall be taken to make the building watertight until the discrepancies are resolved.

- A. It is the responsibility of the Contractor to verify existing conditions prior to the bidding.
- B. Any conditions which are not shown on the shop drawings should be indicated on a copy of the shop drawing and included with bid submittal if necessary to clarify any conditions not shown.

**TEMPORARY FACILITIES AND CONTROLS**

- A. Temporary Utilities:
  - 1. Water and power for construction purposes are available at the site and will be made available to the roofing contractor.
  - 2. Contractor shall provide all hoses, valves and connections for water from a source designated by the owner when made available.

- B. Temporary, Sanitary Facilities

Sanitary facilities will not be available at the job site. The roofing contractor shall be responsible for the provision and maintenance of portable toilets or their equal.

- C. Building Site:

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1. The roofing contractor shall use reasonable care and responsibility to protect the building and site against damages. The contractor shall be responsible for the correction of any damage incurred as a result of the performance of the contract.
2. The roofing contractor shall remove all debris from the job site in a timely and legally acceptable manner so as to not detract from the aesthetics or the functions of the building.

**D. Security:**

Obey the owner's requirements for personnel identification, inspection and other security measures.

**JOB SITE PROTECTION**

- The roofing contractor shall adequately protect building, paved areas, service drives, lawn, shrubs, trees, etc. from damage while performing the required work. Provide canvas, boards and sheet metal (properly secured) as necessary for protection and remove protection material at completion. The contractor shall repair or be responsible for costs to repair all property damaged during the roofing application.
- During the roofing contractor's performance of the work, the building owner will continue to occupy the existing building. The contractor shall take precautions to prevent the spread of dust and debris, particularly where such material may sift into the building. The roofing contractor shall provide labor and materials to construct, maintain and remove necessary, temporary enclosures to prevent dust or debris in the construction area(s) from entering the remainder of the building.
- Do not overload any portion of the building, by either use of or placement of equipment, storage of debris, or storage of materials.
- Protect against fire and flame spread. Maintain proper and adequate fire extinguishers.
- Take precautions to prevent drains from clogging during the roofing application. Remove debris at the completion of each day's work and clean drains, if required. At completion, test drains to ensure the system is free running and drains are watertight. Remove strainers and plug drains in areas where work is in progress. Install flags or other telltales on plugs. Remove plugs each night and screen drain.
- Store moisture susceptible materials above ground and protect with waterproof coverings.
- Remove all traces of piled bulk material and return the job site to its original condition upon completion of the work.

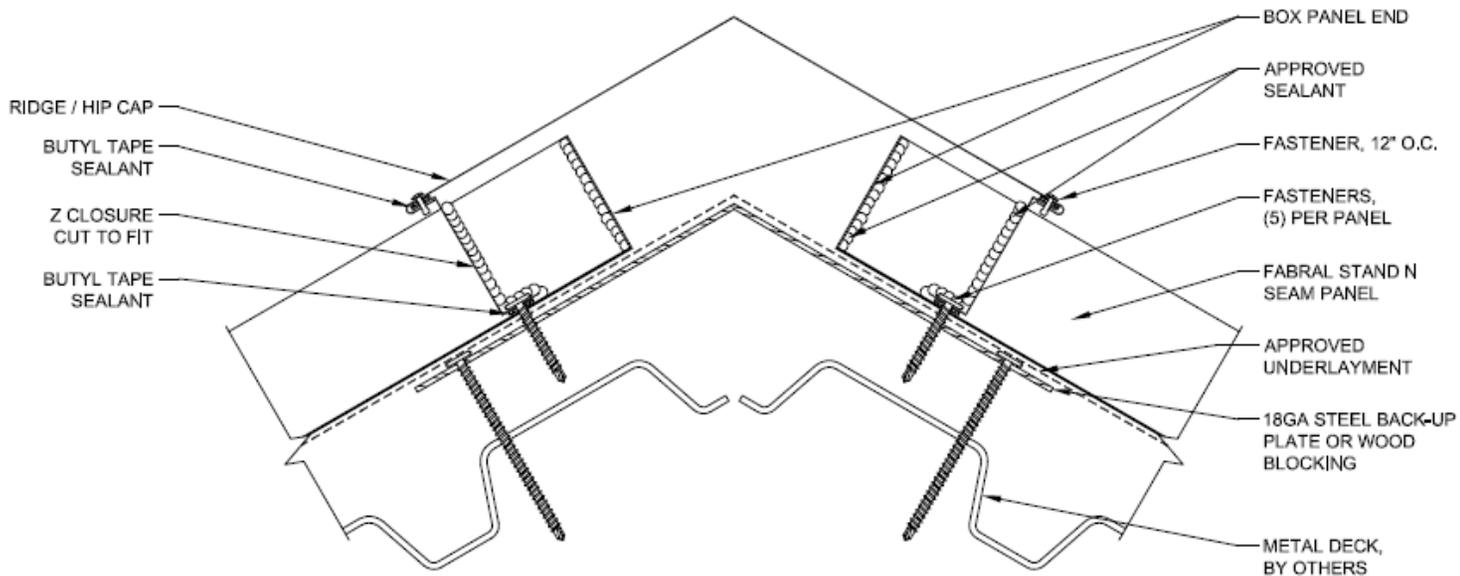
**SAFETY**

The roofing contractor shall be responsible for all means and methods as they relate to safety and shall comply with all applicable local, state and federal requirements that are safety related. Safety shall be the responsibility of the roofing contractor. All related personnel shall be instructed daily to be mindful of the full time requirement to maintain a safe environment for the facility's occupants including staff, visitors, customers and the occurrence of the general public on or near the site.

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## APPENDIX B

**MANUFACTURER'S NAMES AND APPROVED EQUIVALENTS:** Any manufacturers Names, trade names or brand names are for information only and are not intended to limit competition. The bidder may offer any brand for which they are an authorized representative that meets or exceeds the specification for any item(s). If bids/proposals are based on equivalent products, indication should be made on the bid/proposal, cuts, sketches, descriptive literature and/or complete specifications.



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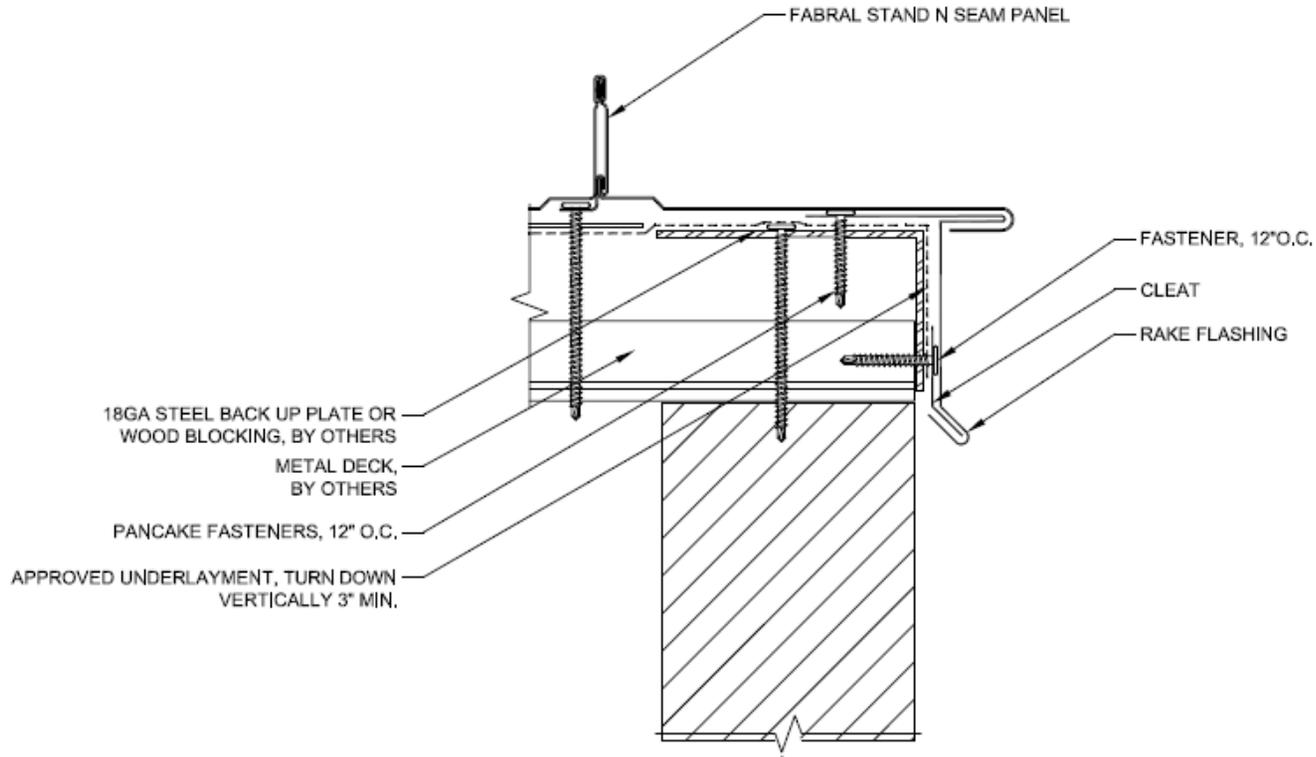
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**FIXED HIP/RIDGE DETAIL (HR-1)**

**STAND 'N SEAM**

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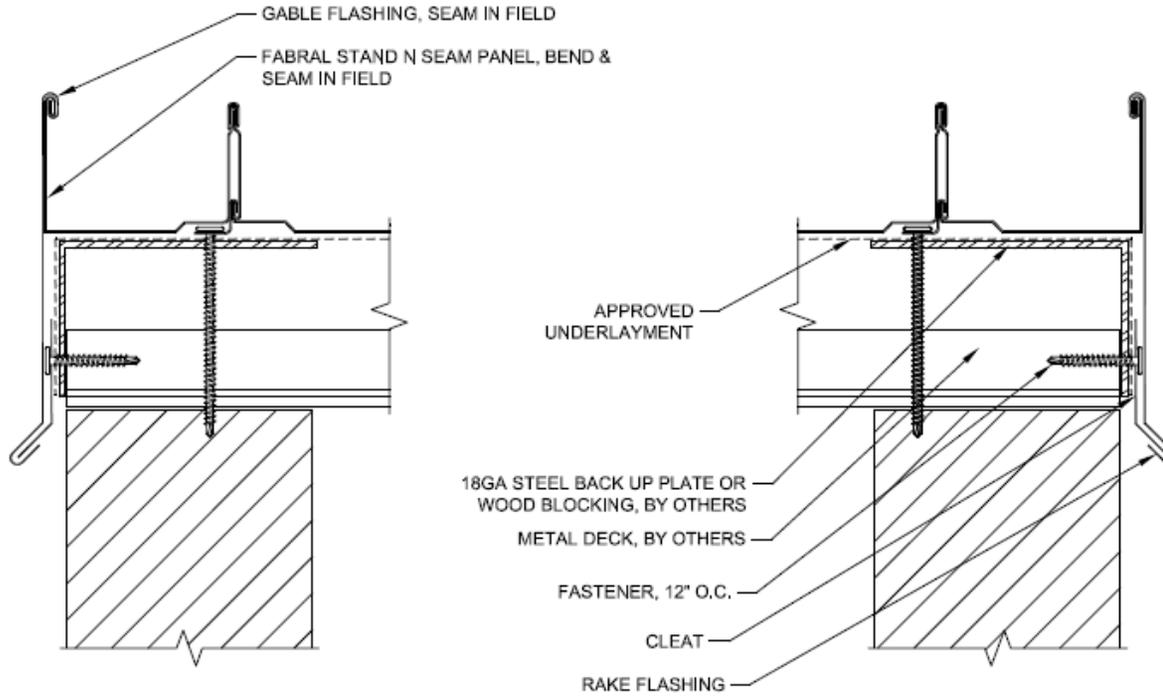
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**SLIDING GABLE DETAIL (G-3)**

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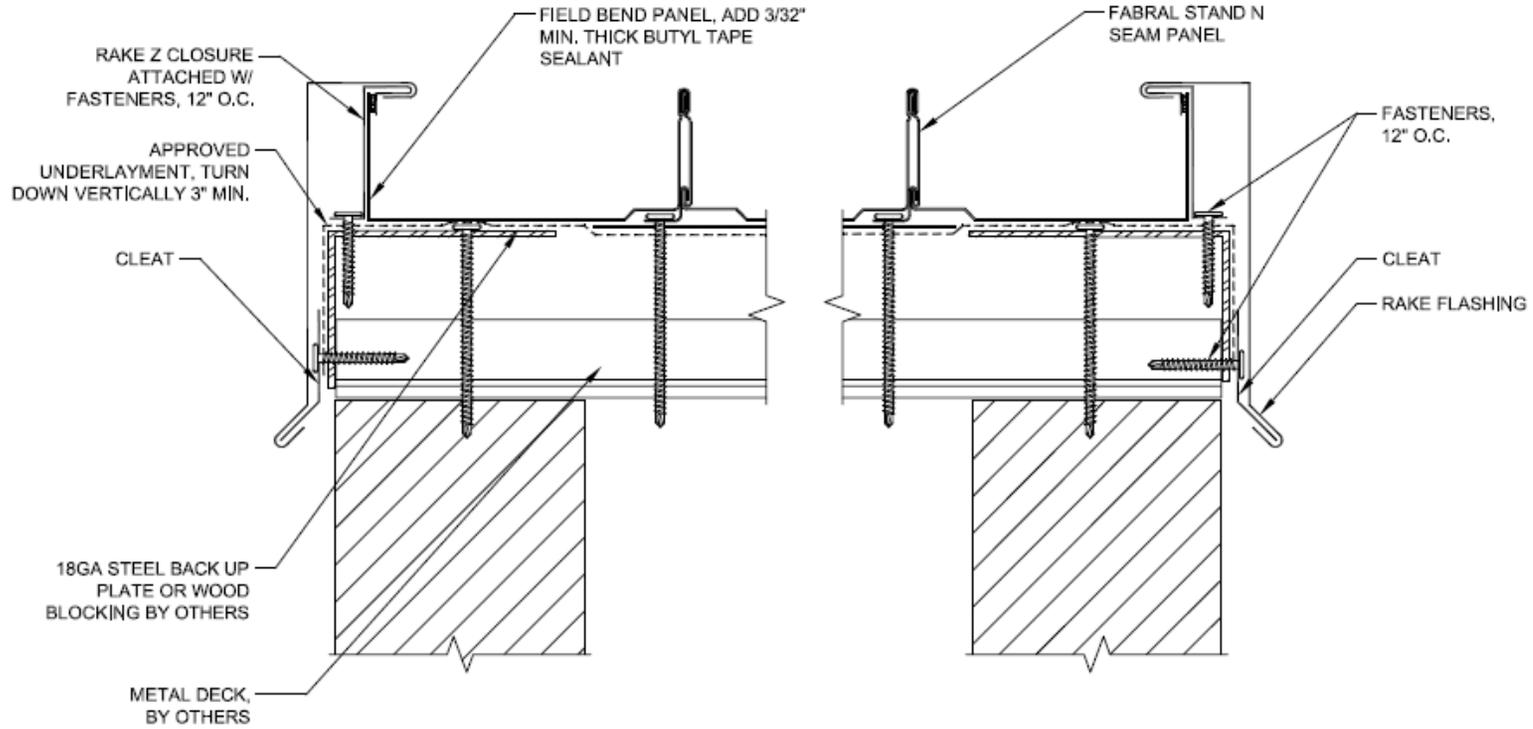
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**SLIDING GABLE DETAIL (G-1)**

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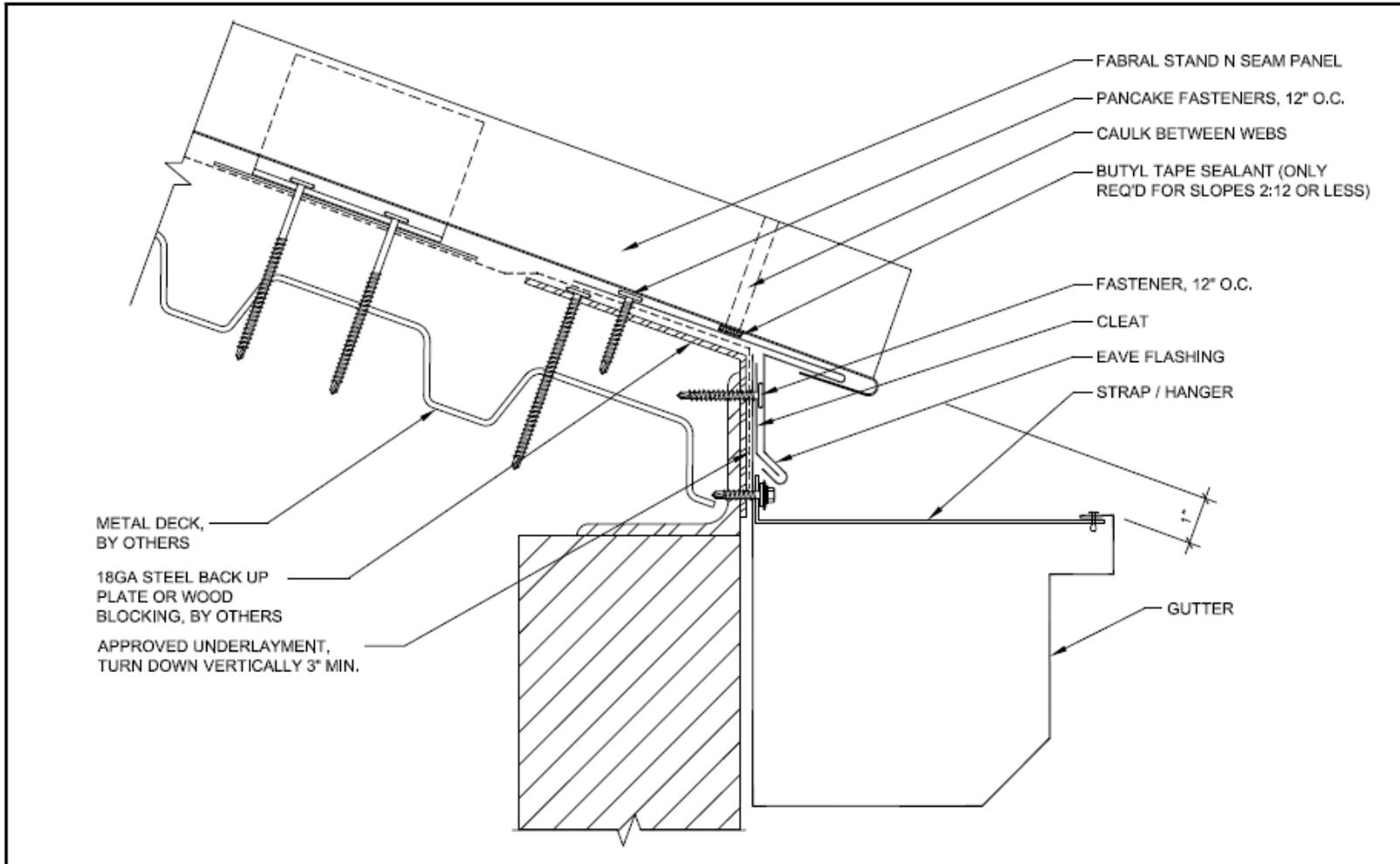
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**SLIDING GABLE DETAIL (G-2)**

**STAND 'N SEAM**

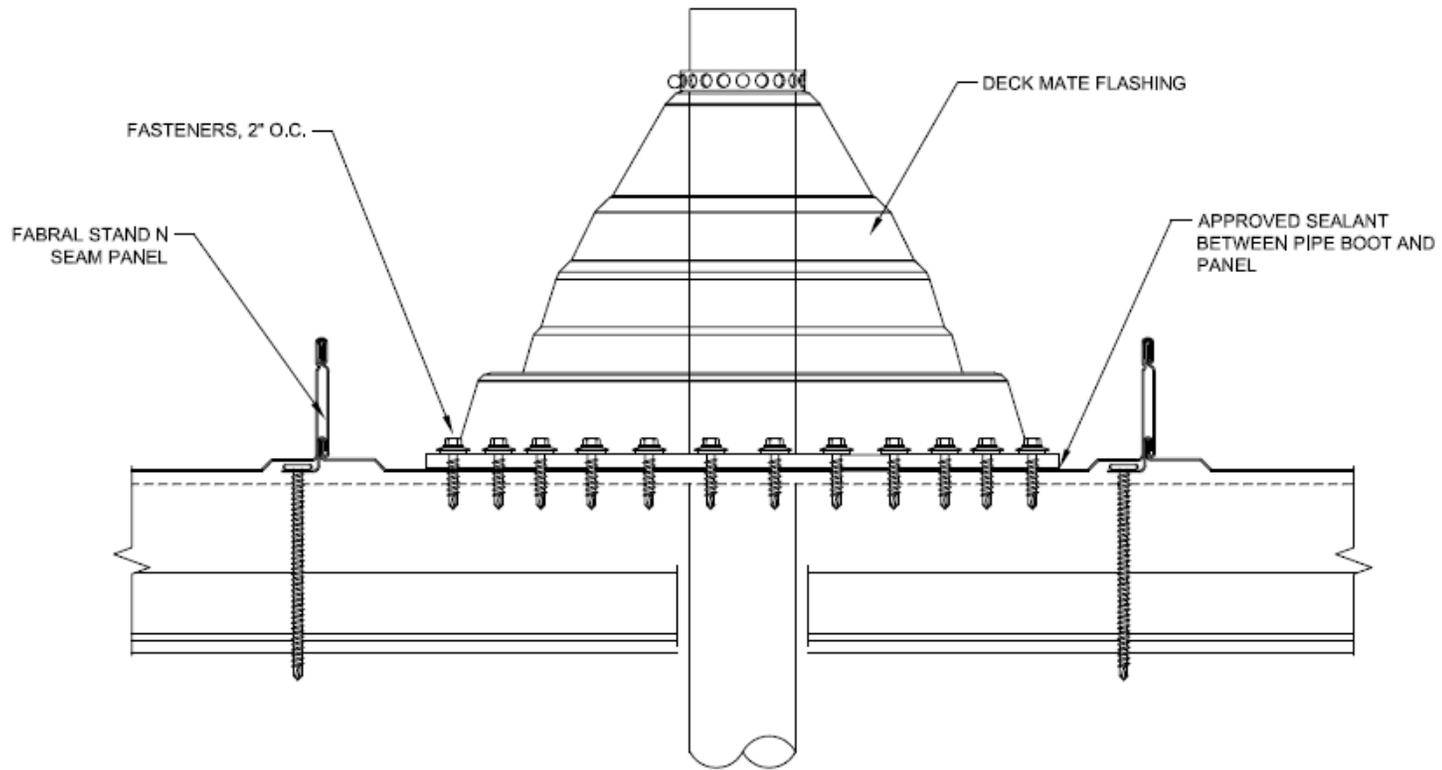
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<b>SLIDING EAVE W/ GUTTER DETAIL (EG-1)</b>		<b>STAND 'N SEAM</b>	
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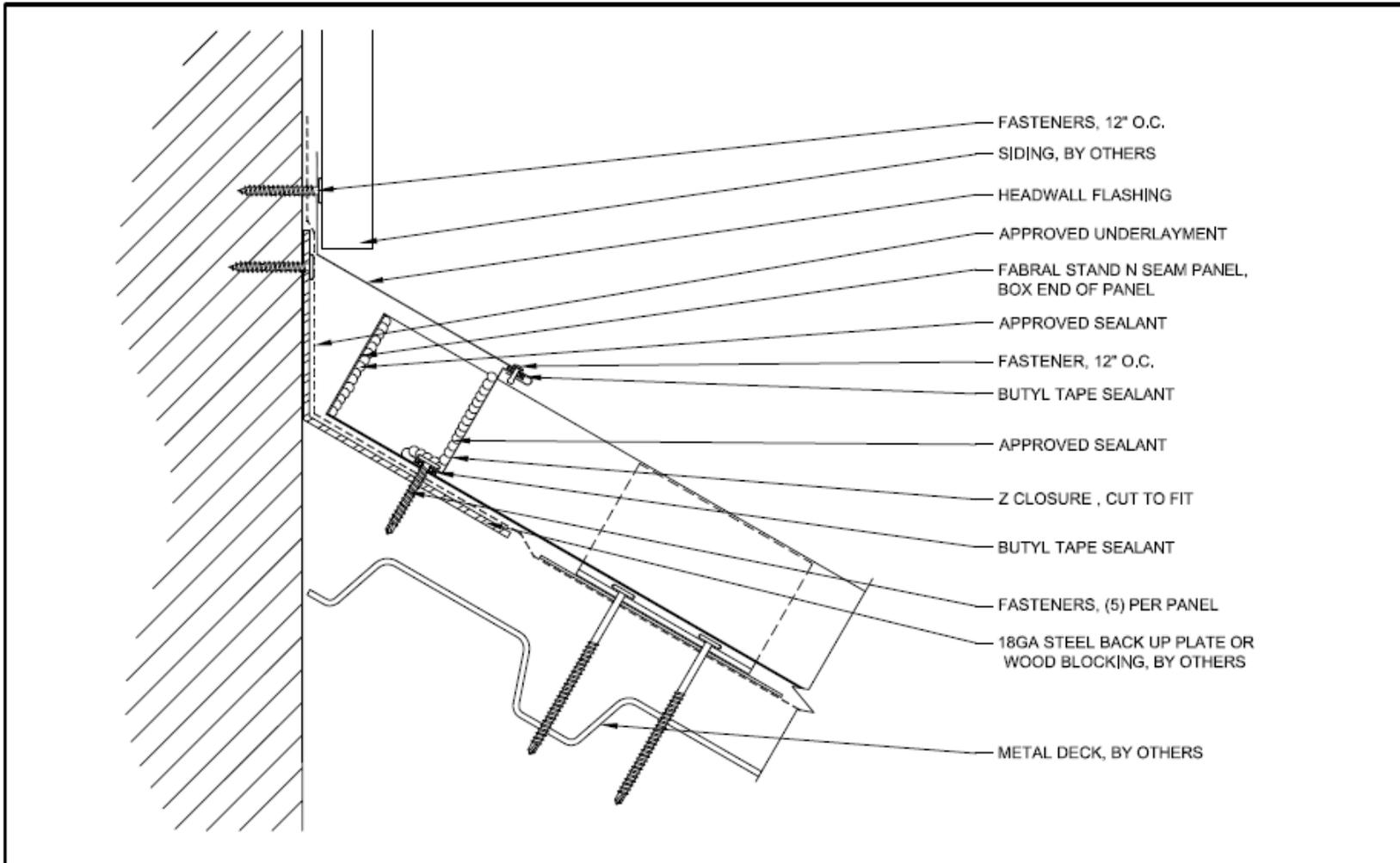
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**PENETRATION DETAIL (P-1)**

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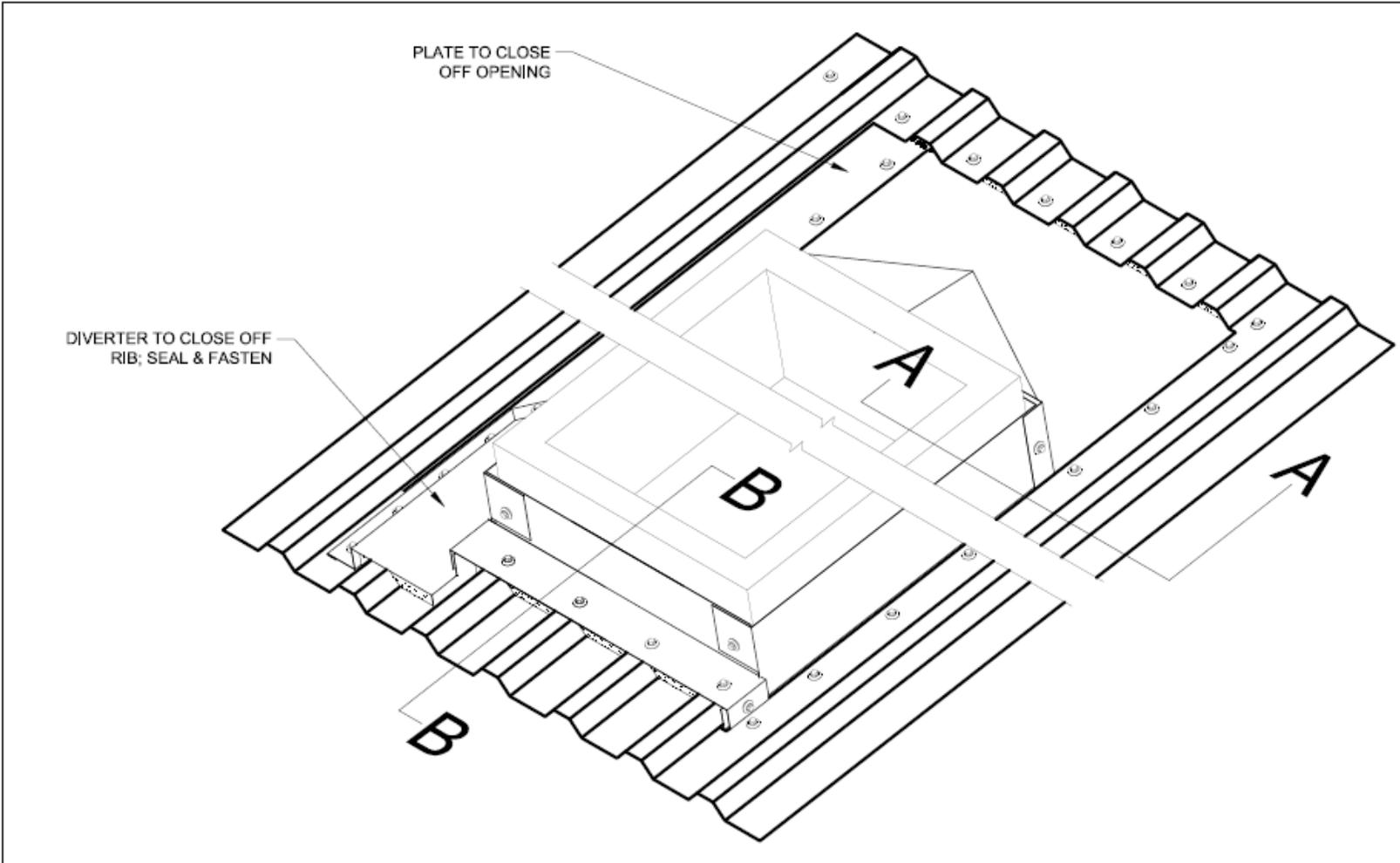
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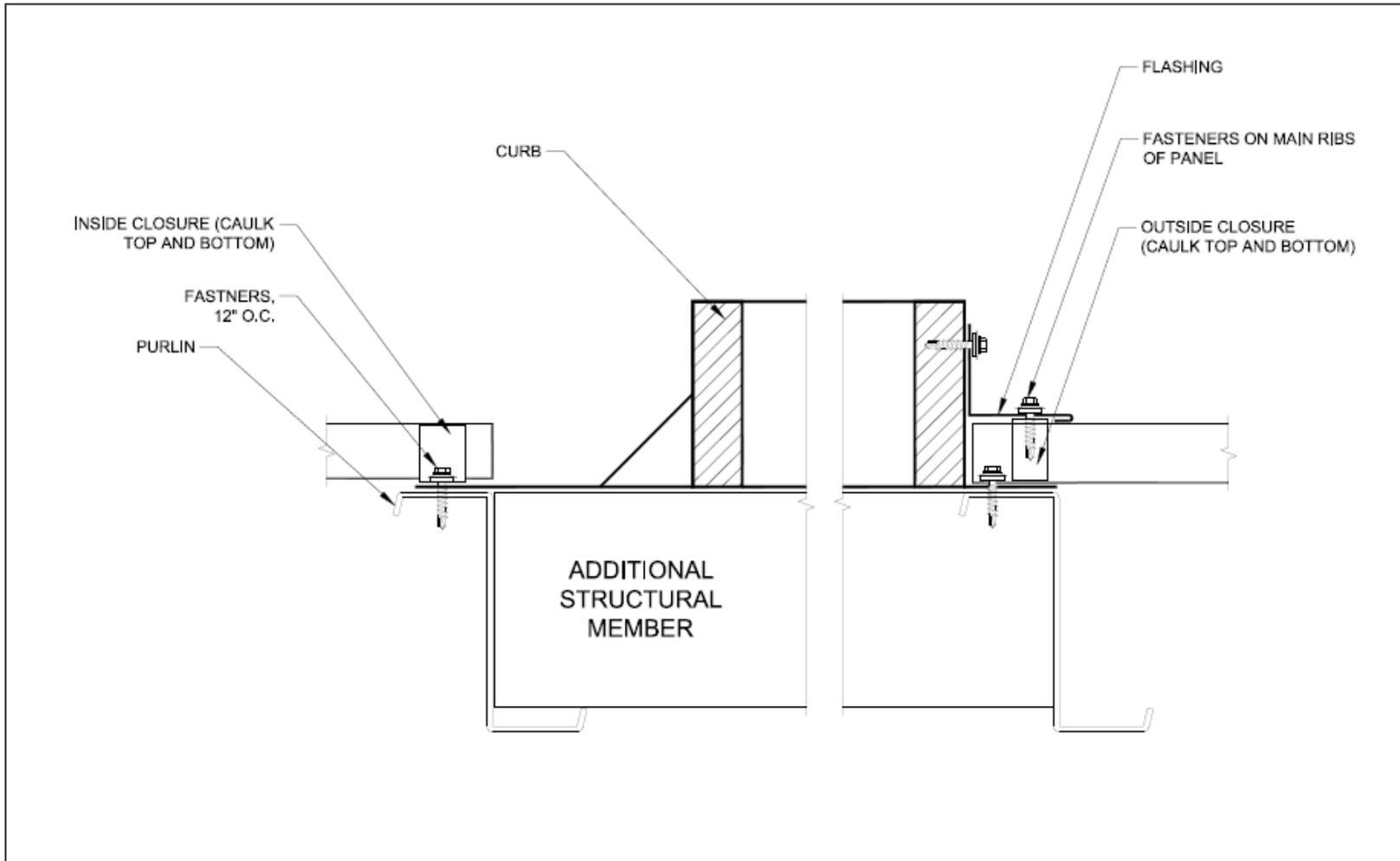
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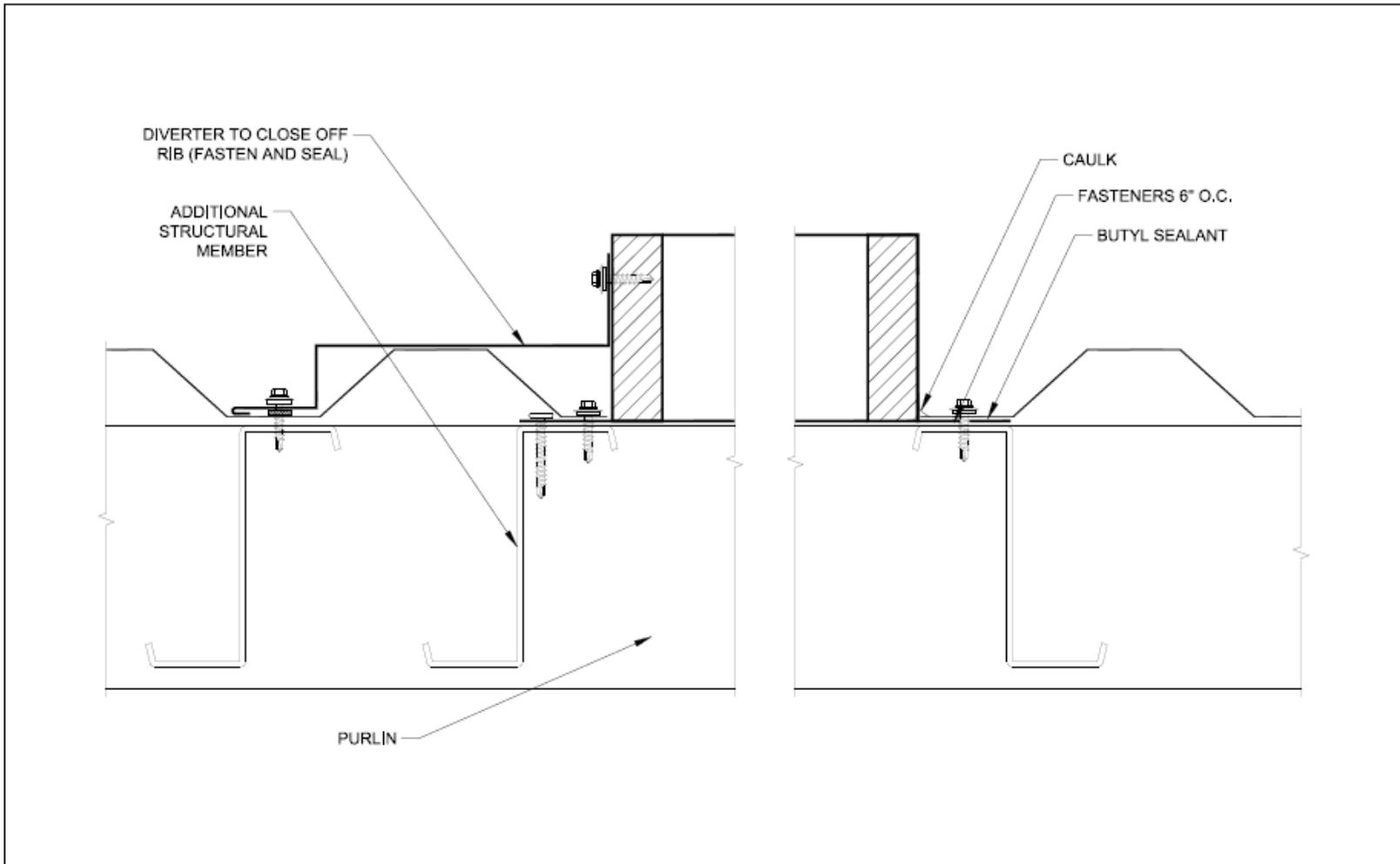
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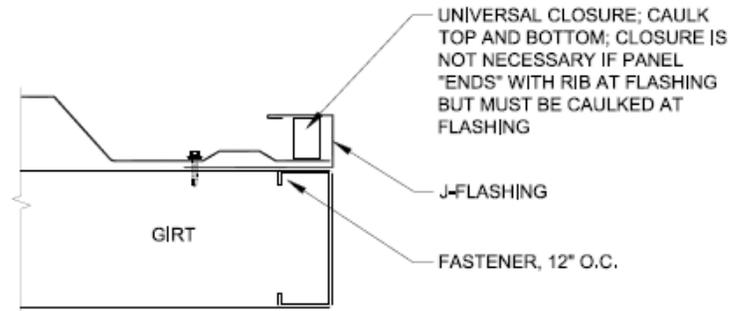
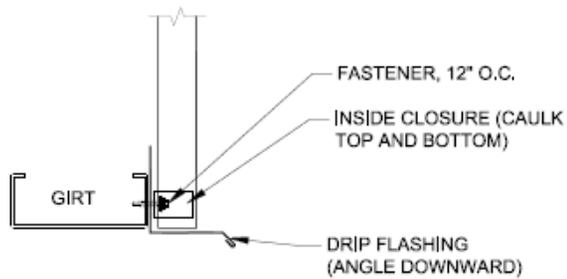
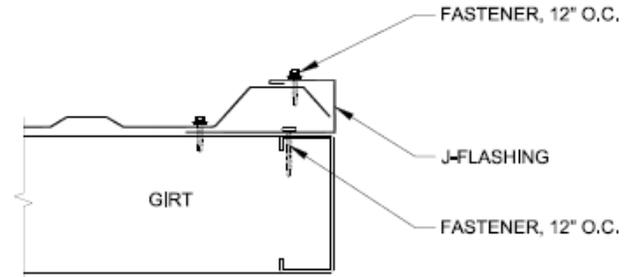
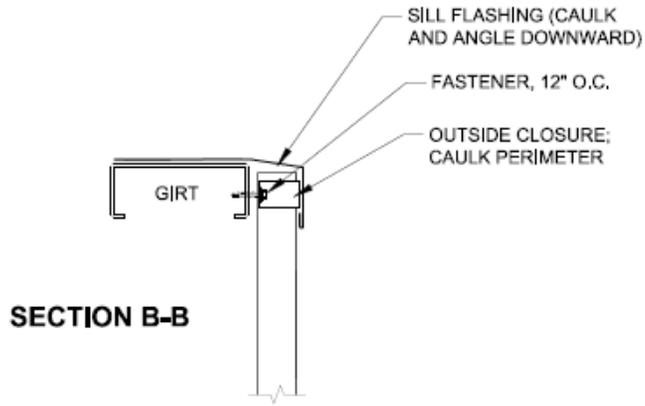
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SECTION A-A

SECTION C-C

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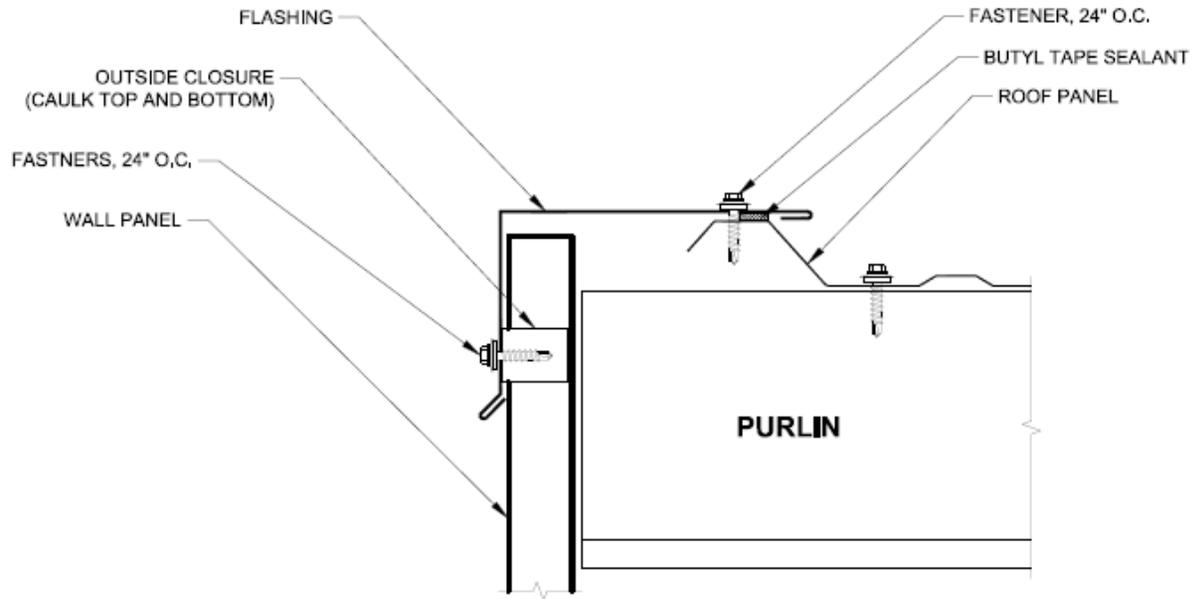
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**WALL SECTIONS A-A, B-B, C-C**

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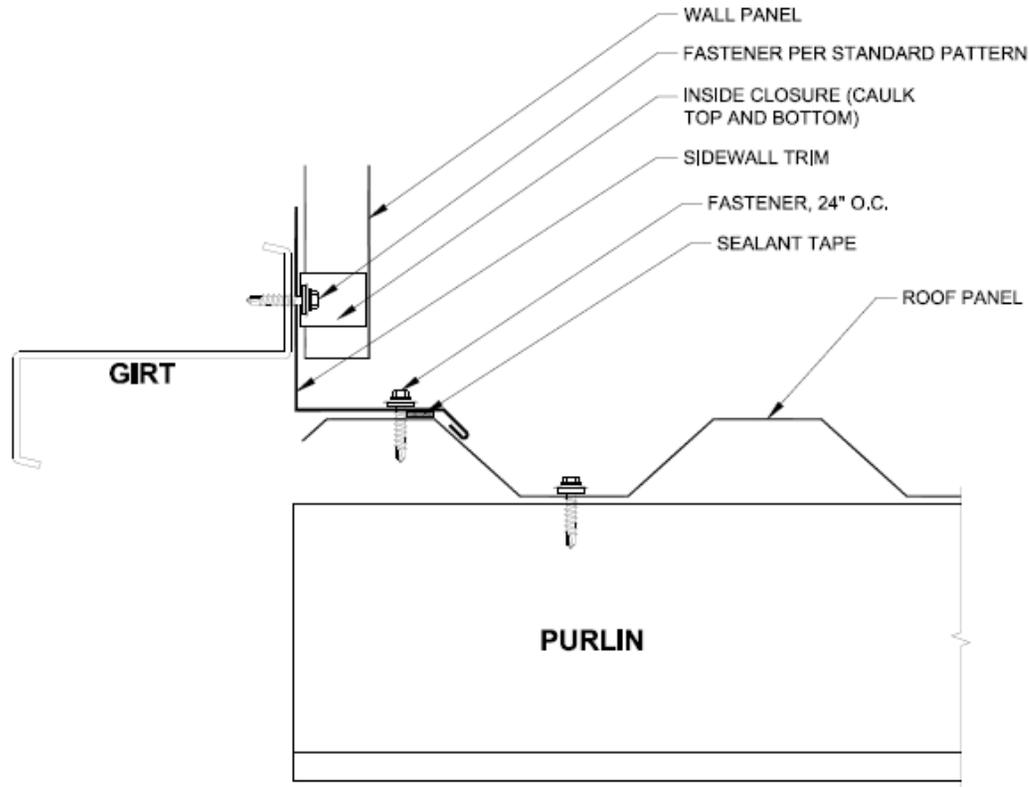
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**GABLE**

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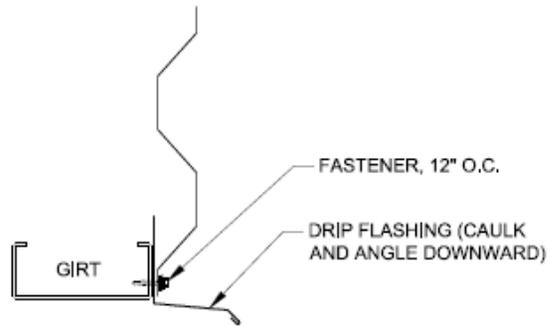
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**SIDEWALL**

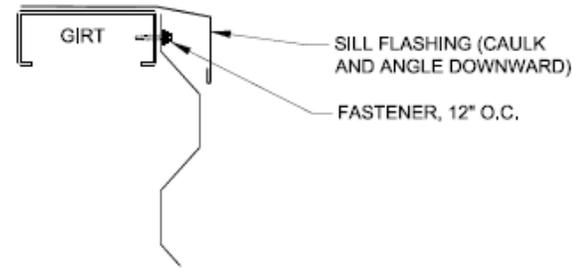
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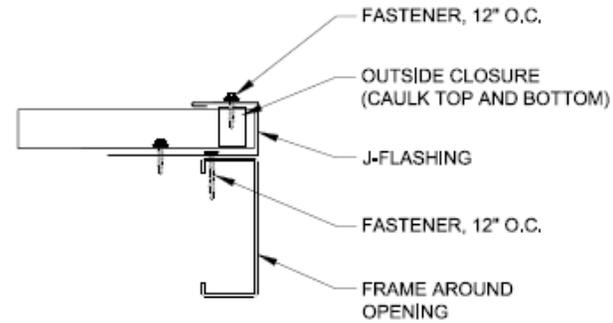
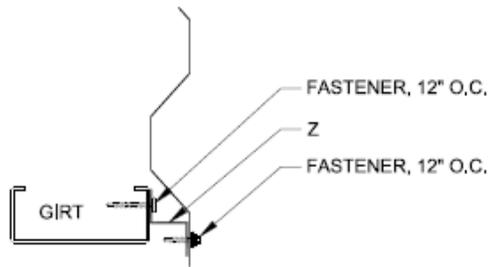


**SECTION A-A**



**SECTION B-B**

**NOTE:**  
IF PANEL "ENDS" ON THE RIB AT THE OPENING FOR SECTIONS A-A OR B-B, ATTACH A "Z" THAT IS AS TALL AS THE PANEL IS DEEP TO THE GIRT. USE THE APPROPRIATE FLASHING AS SHOWN FOR SECTIONS A-A AND B-B. ATTACH THE PANEL TO THE "Z". SEE DETAIL BELOW.



**SECTION C-C**

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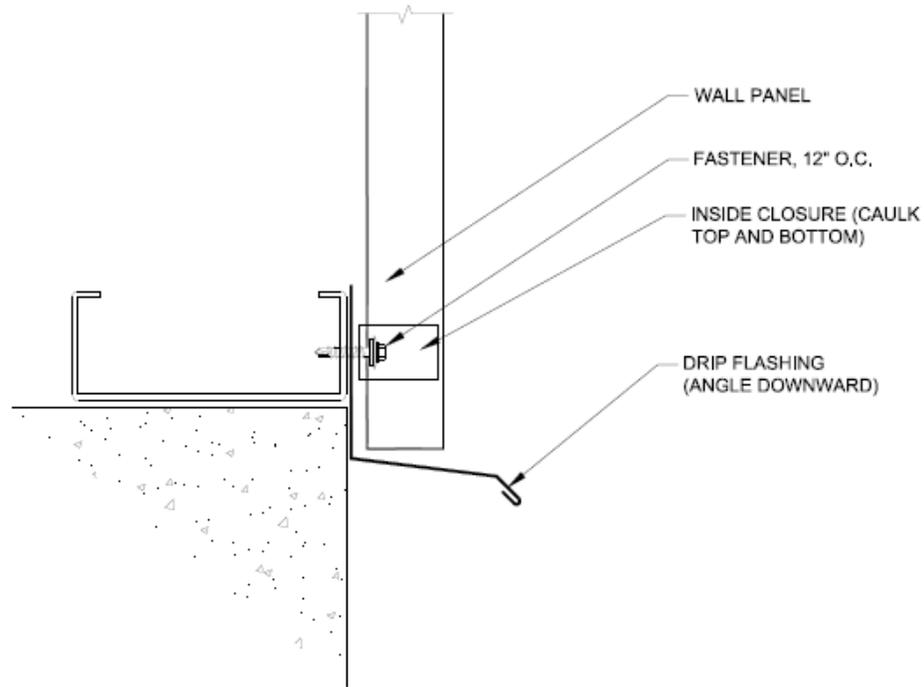
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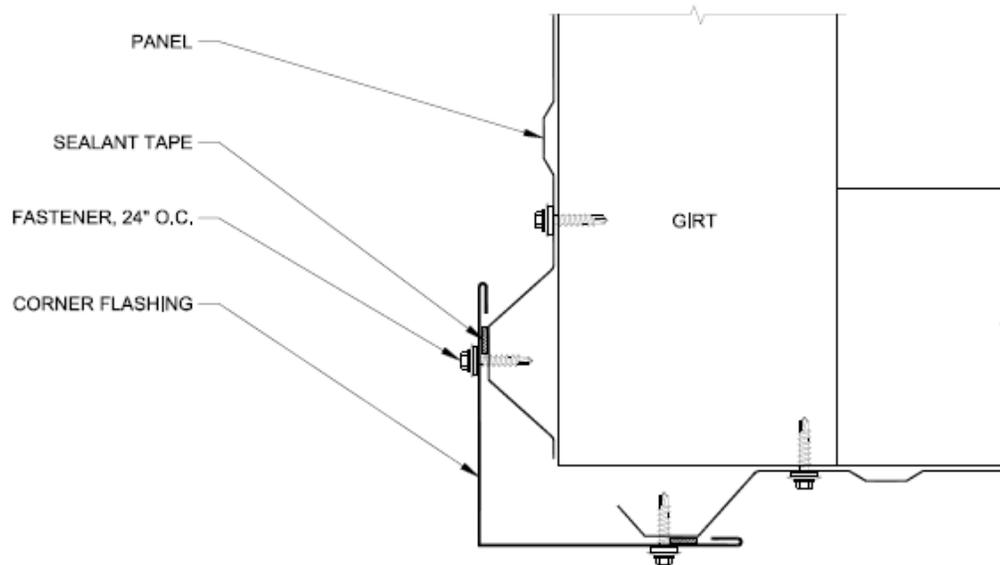
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**BASE**

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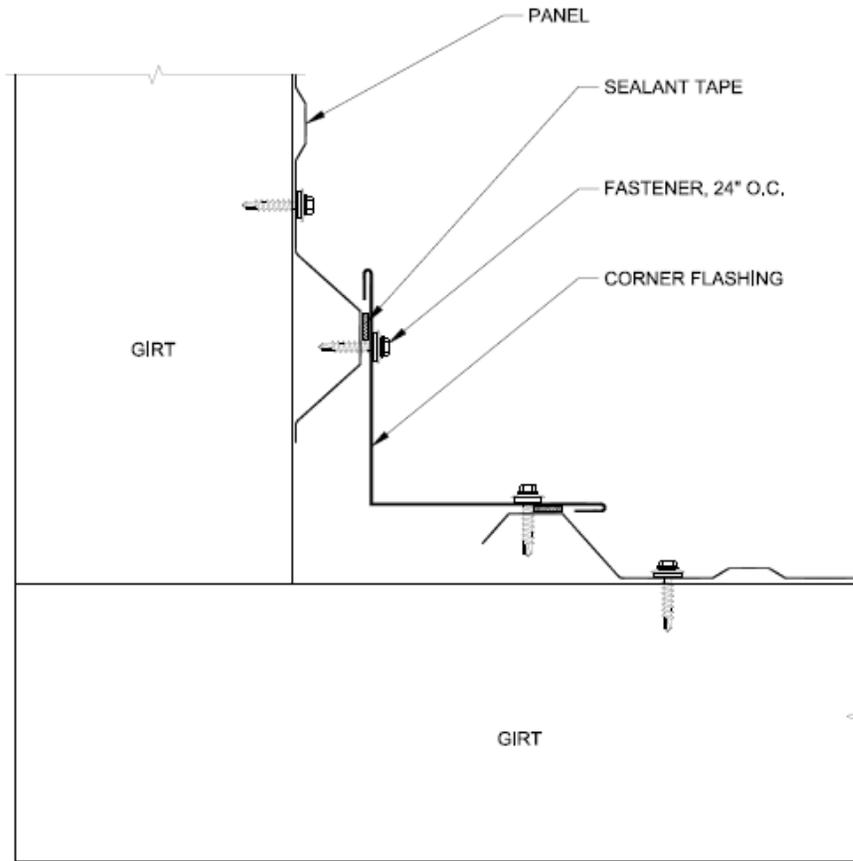
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**OUTSIDE CORNER WITH VERTICAL PANELS**

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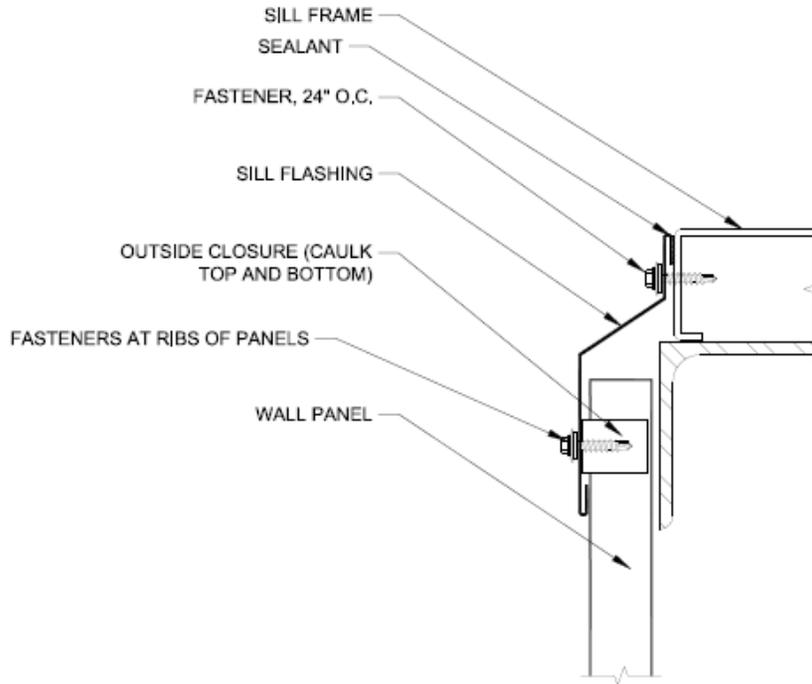
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**INSIDE CORNER WITH VERTICAL PANELS**

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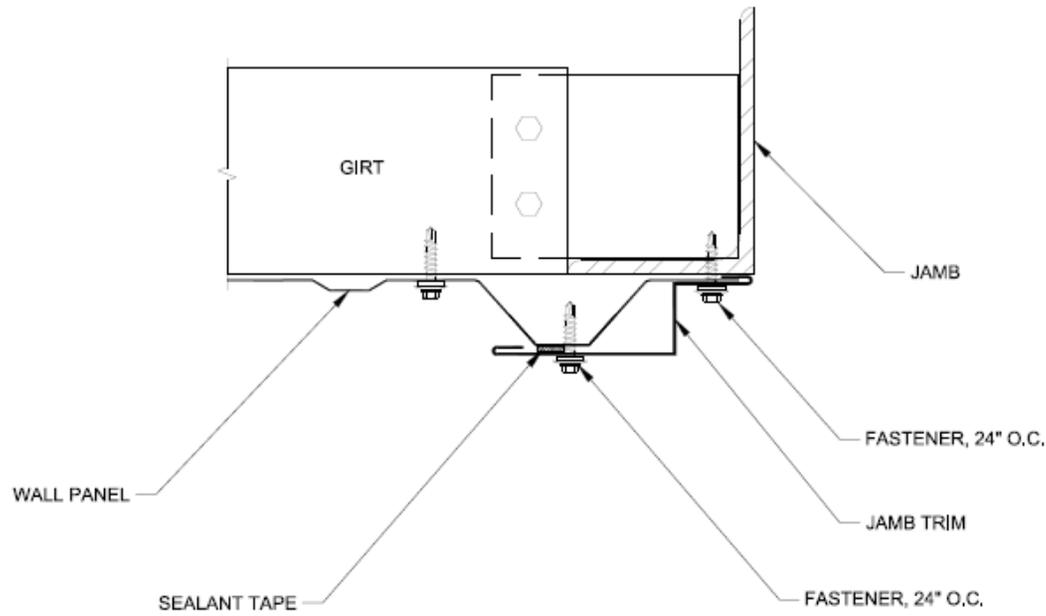
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**SILL**

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**JAMB**

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# APPENDIX C

FOR INFORMATION ONLY ALL MEASUREMENT SHOULD BE FIELD VERIFIED.

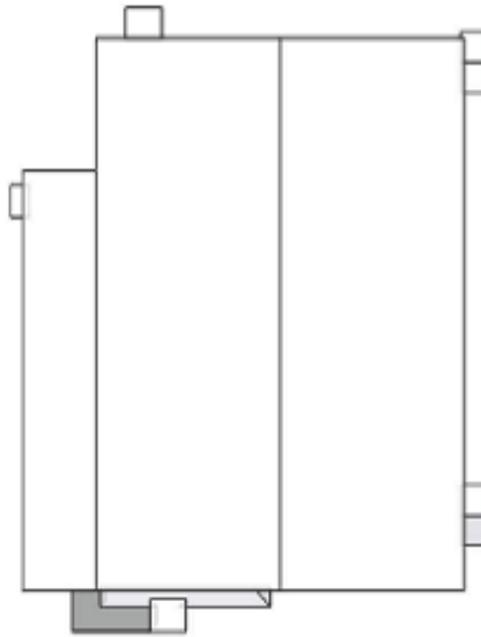
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**374 George St, Beckley, WV 25801-2653**

Note: Approximately 174 sq. ft. of roof area (awnings), and 1,210 sq. ft. of wall area (brick, vinyl and fiber cement board siding) will not be replaced, these sections will be identified at the Mandatory Pre-Bid Meeting.

374 George St, Beckley, WV 25801-2653



In this 3D model, facets appear as semi-transparent to reveal overhangs.

#### Report Details

Report:10017681

#### Roof/Wall Details

Total Roof Area = 10,030 sq ft  
Total Roof Facets = 13  
Predominant Pitch = 1/12  
Number of Stories <= 1  
Total Ridges/Hips = 120 ft  
Total Valleys = 0 ft  
Total Rakes = 237 ft  
Total Eaves = 297 ft  
Total Wall Area = 5532.6 sq ft  
Total Wall Facets = 14  
Total Penetrations = 3  
Total Penetrations Perimeter = 68 ft  
Total Penetrations Area = 112 sq ft

#### Report Contents

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West Virginia Parkways Authority  
 Beckley South Main Metal Roof And Siding Replacement 2015

374 George St, Beckley, WV 25801-2653

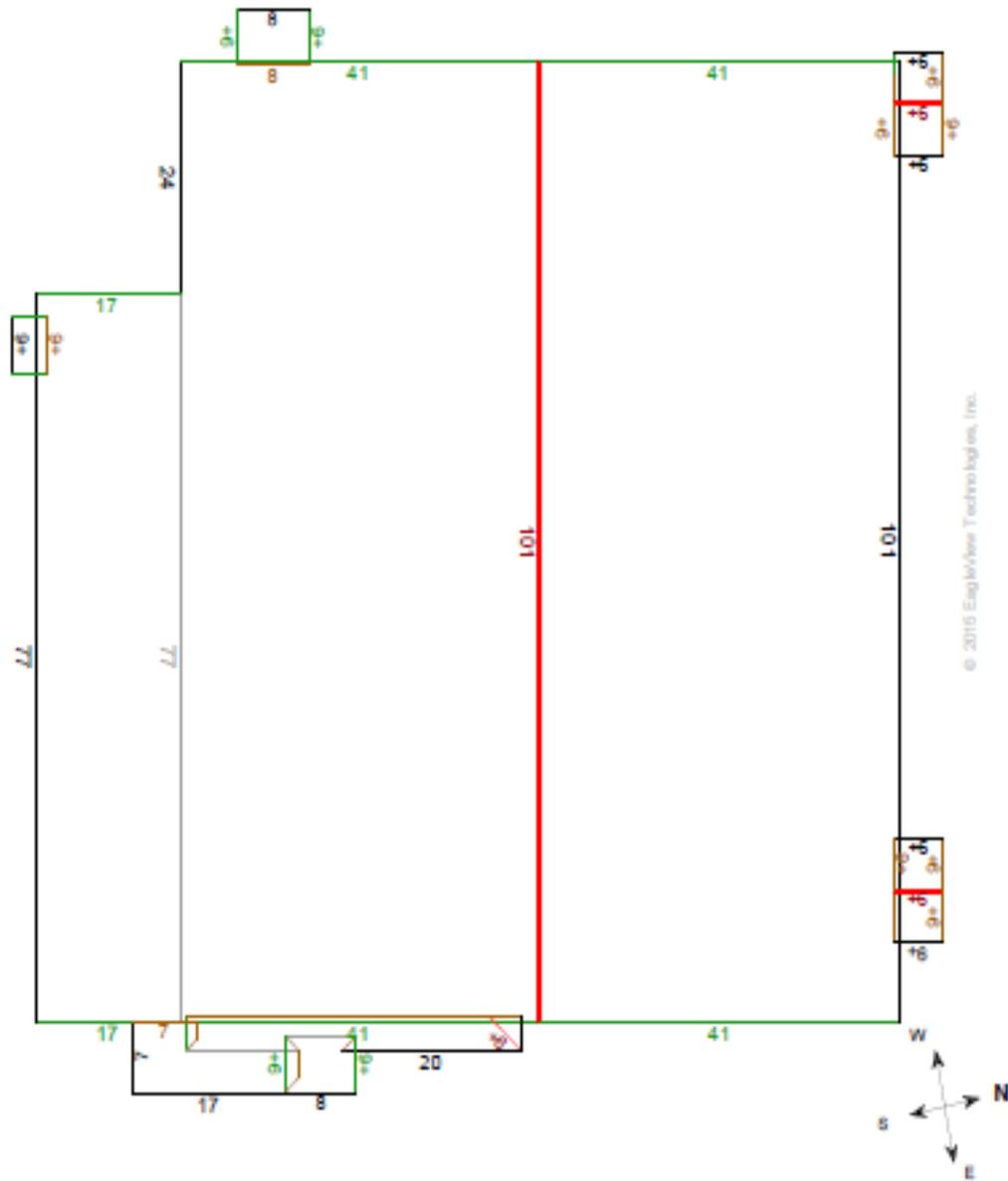
April 7, 2015

**Length Diagram**

Total Line Lengths:  
**Ridges = 113 ft**  
**Hips = 7 ft**

Valleys = 0 ft  
 Rakes = 237 ft  
 Eaves = 297 ft

Flashing = 64 ft  
 Step flashing = 53 ft  
 Parapets = 0 ft



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**Note:** This diagram contains segment lengths (rounded to the nearest whole number) over 5 feet. In some cases, segment labels have been removed for readability. Plus signs preface some numbers to avoid confusion when rotated (e.g. +6 and +9).

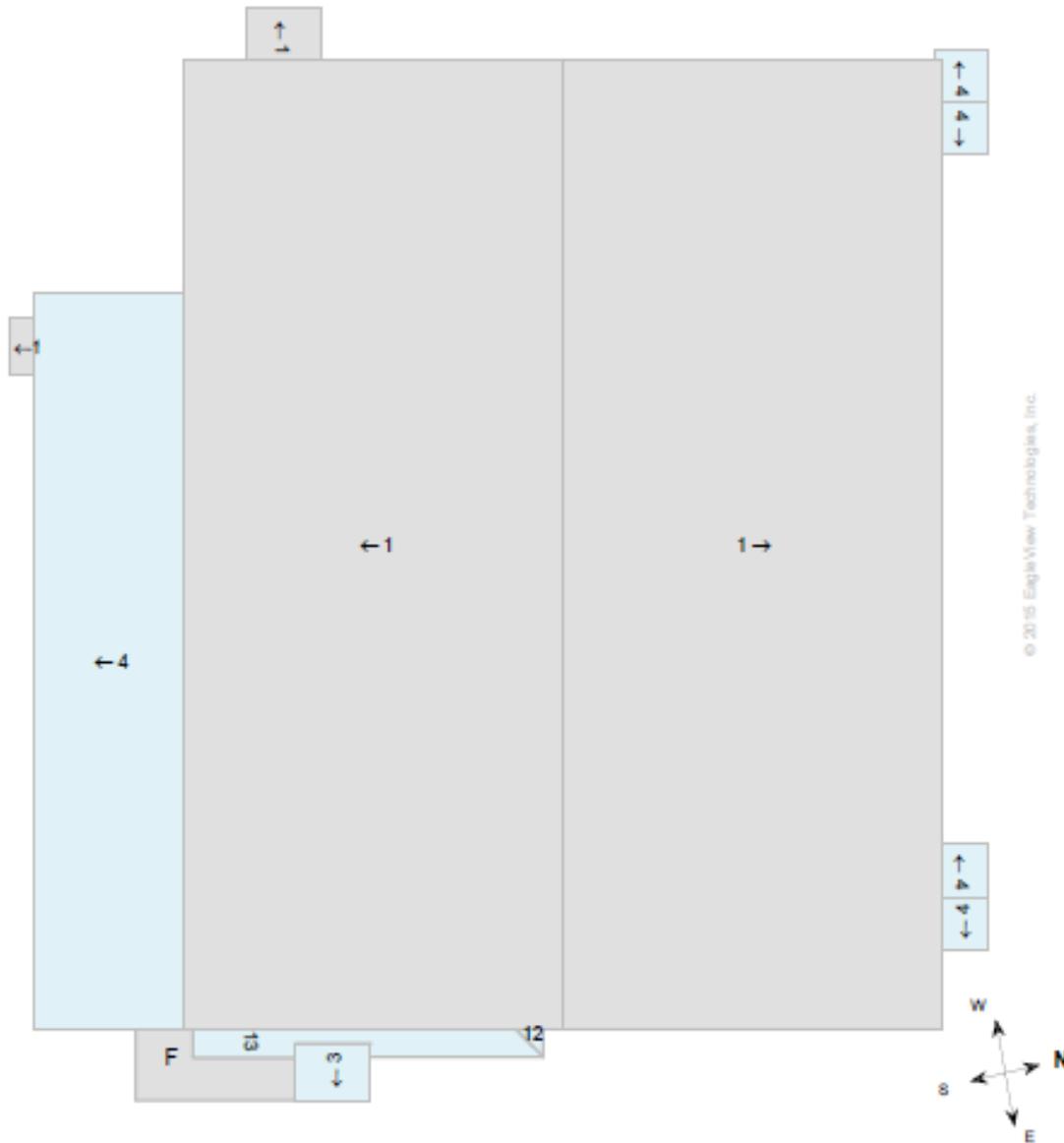
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374 George St, Beckley, WV 25801-2653

April 7, 2015

### Pitch Diagram

Pitch values are shown in inches per foot, and arrows indicate slope direction. The predominant pitch on this roof is 1/12.



**Note:** This diagram contains labeled pitches for facet areas larger than 20 square feet. In some cases, pitch labels have been removed for readability. Blue shading indicates a pitch of 3/12 and greater. Gray shading indicates flat, 1/12 or 2/12 pitches. If present, a value of "F" indicates a flat facet (no pitch).

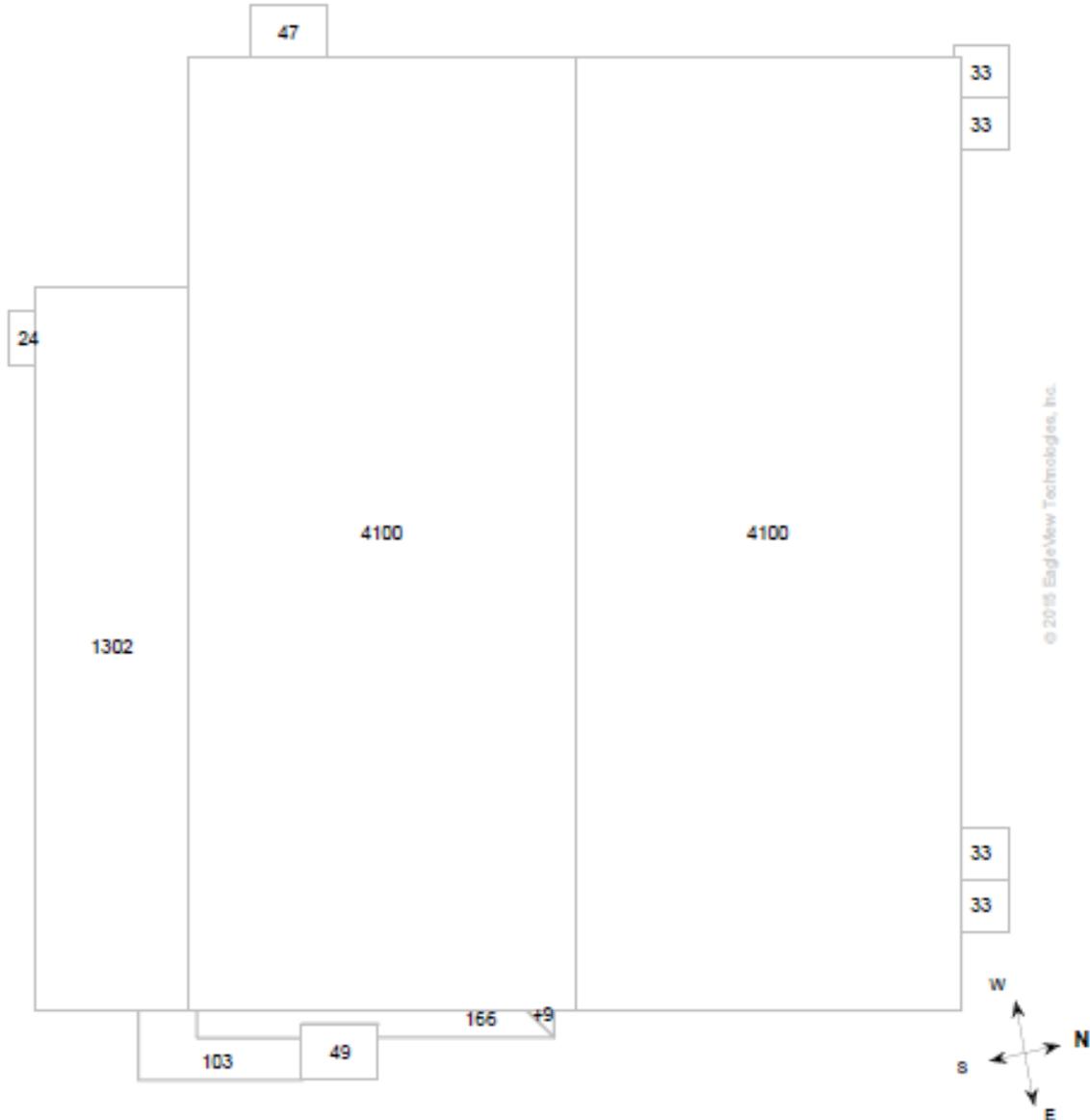
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April 7, 2015

**Area Diagram**

Total Area = 10,030 sq ft, with 13 facets.



**Note:** This diagram shows the square feet of each roof facet (rounded to the nearest foot). The total area in square feet, at the top of this page, is based on the non-rounded values of each roof facet (rounded to the nearest square foot after being totaled).

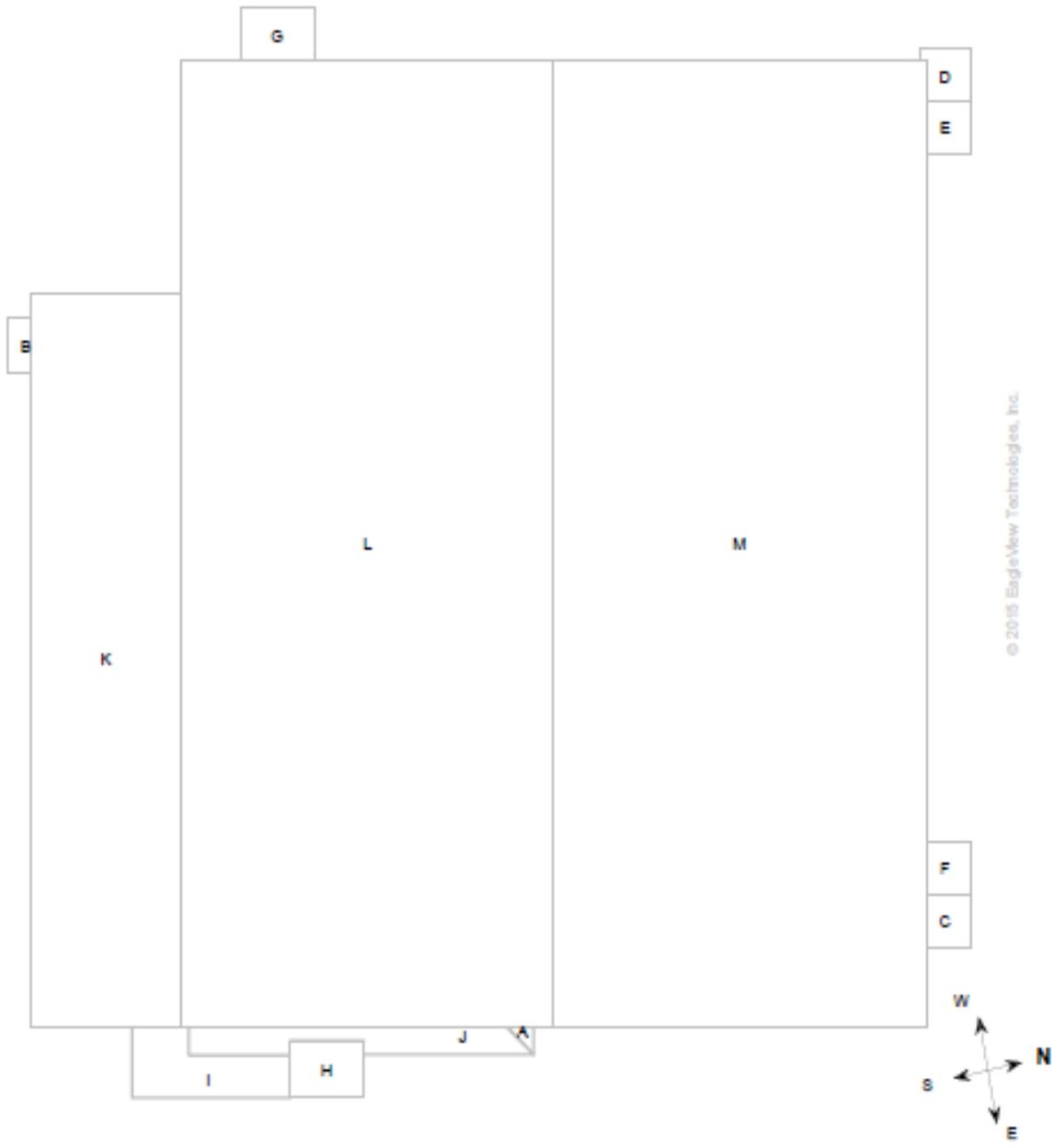
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**Notes Diagram**

Roof facets are labeled from smallest to largest (A to Z) for easy reference.



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**Penetrations Notes Diagram**

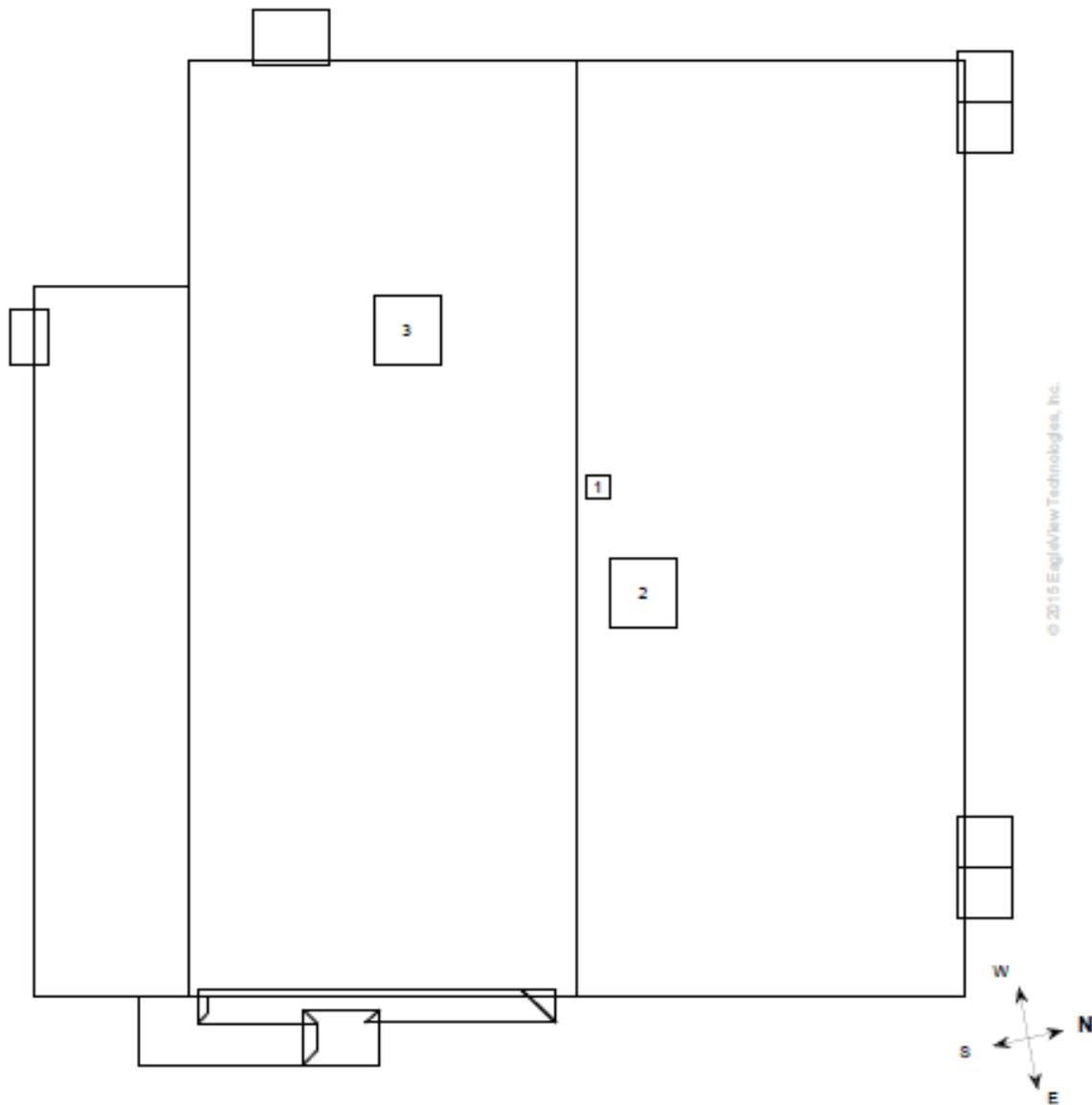
Penetrations are labeled from smallest to largest for easy reference.

Total Penetrations = 3

Total Penetrations Area = 112 sq ft

Total Penetrations Perimeter = 68 ft

Total Roof Area Less Penetrations = 9,918 sq ft



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### Report Summary

Below is a measurement summary using the values presented in this report.

#### Areas per Pitch

Roof Pitches	0/12	1/12	3/12	4/12	12/12	13/12
Area (sq ft)	103	8270	49.1	1433.2	8.9	166.2
% of Roof	1%	82.5%	0.5%	14.3%	0.1%	1.7%

The table above lists each pitch on this roof and the total area and percent (both rounded) of the roof with that pitch.

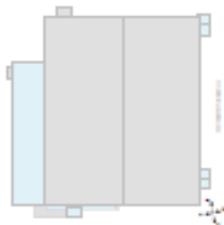
#### Waste Calculation Table

Waste %	0%	10%	12%	15%	17%	20%	22%
Area (sq ft)	10,030	11,033	11,234	11,535	11,735	12,036	12,237
Squares	100.3	110.3	112.3	115.3	117.4	120.4	122.4

This table shows the total roof area and squares (rounded up to the nearest decimal) based upon different waste percentages. The waste factor is subject to the complexity of the roof, individual roofing techniques and your experience. Please consider this when calculating appropriate waste percentages. Note that only roof area is included in these waste calculations. Additional materials needed for ridge, hip, valley, and starter lengths are not included.

Penetrations	1	2-3							
Area (sq ft)	6.3	52.5							
Perimeter (ft)	10	29							

Any measured penetration smaller than 3x3 feet may need field verification. Accuracy is not guaranteed. The total penetration area is not subtracted from the total roof area.



Total Roof Facets = 13  
Total Penetrations = 3

#### Lengths, Areas and Pitches

Ridges = 113 ft (3 Ridges)  
Hips = 7 ft (1 Hips).  
Valleys = 0 ft (0 Valleys)  
Rakes\* = 237 ft (14 Rakes)  
Eaves/Starter\*\* = 297 ft (14 Eaves)  
Drip Edge (Eaves + Rakes) = 534 ft (28 Lengths)  
Parapet Walls = 0 (0 Lengths).  
Flashing = 64 ft (8 Lengths)  
Step flashing = 53 ft (12 Lengths)  
Total Area = 10,030 sq ft  
Total Penetrations Area = 112 sq ft  
Total Roof Area Less Penetrations = 9,918 sq ft  
Total Penetrations Perimeter = 68 ft  
Predominant Pitch = 1/12

#### Property Location

Longitude = -81.2242185  
Latitude = 37.7888190

#### Notes

This was ordered as a commercial property. There were no changes to the structure in the past four years.

\* Rakes are defined as roof edges that are sloped (not level).  
\*\* Eaves are defined as roof edges that are not sloped and level.

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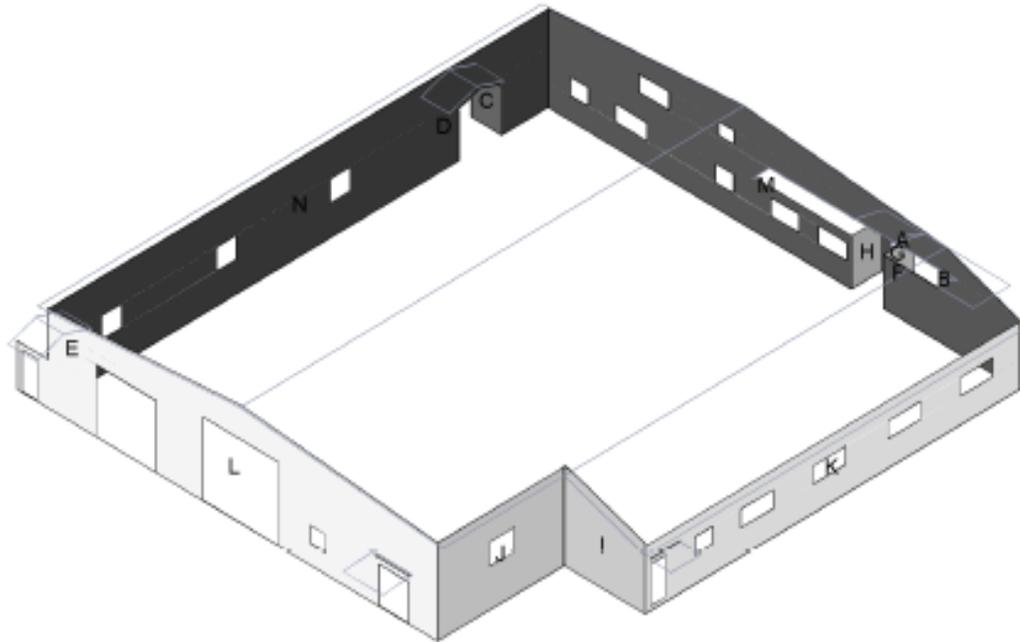
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**Wall Area Diagram**

Total Wall Area = 5532.6 sq ft, with 14 facets.

Total Wall Area with Windows and Doors = 6,248 sq ft



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**Wall Area by Direction**

<b><u>North</u></b>	<b><u>East</u></b>	<b><u>South</u></b>	<b><u>West</u></b>
H - 57.4 sq ft N - 1443.8 sq ft	E - 49.3 sq ft G - 44.5 sq ft M - 1383.1 sq ft	A - 2.8 sq ft B - 4.8 sq ft F - 54.4 sq ft J - 396.8 sq ft K - 726.8 sq ft	C - 48.7 sq ft D - 49.2 sq ft I - 231.1 sq ft L - 1039.9 sq ft
<b>1501.2 sq ft</b>	<b>1476.9 sq ft</b>	<b>1185.6 sq ft</b>	<b>1368.9 sq ft</b>

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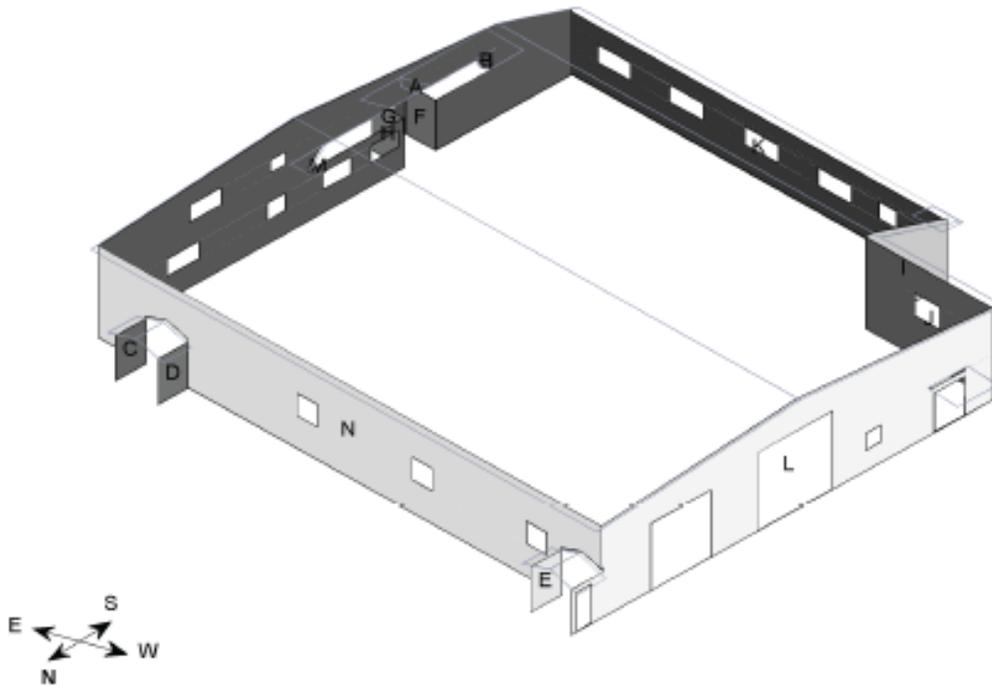
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**Alternate Wall View**

Total Wall Area = 5532.6 sq ft, with 14 facets.

Total Wall Area with Windows and Doors = 6,248 sq ft



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**Wall Area by Direction**

<b><u>North</u></b>	<b><u>East</u></b>	<b><u>South</u></b>	<b><u>West</u></b>
H - 57.4 sq ft N - 1443.8 sq ft	E - 49.3 sq ft G - 44.5 sq ft M - 1383.1 sq ft	A - 2.8 sq ft B - 4.8 sq ft F - 54.4 sq ft J - 396.8 sq ft K - 726.8 sq ft	C - 48.7 sq ft D - 49.2 sq ft I - 231.1 sq ft L - 1039.9 sq ft
<b>1501.2 sq ft</b>	<b>1476.9 sq ft</b>	<b>1185.6 sq ft</b>	<b>1368.9 sq ft</b>



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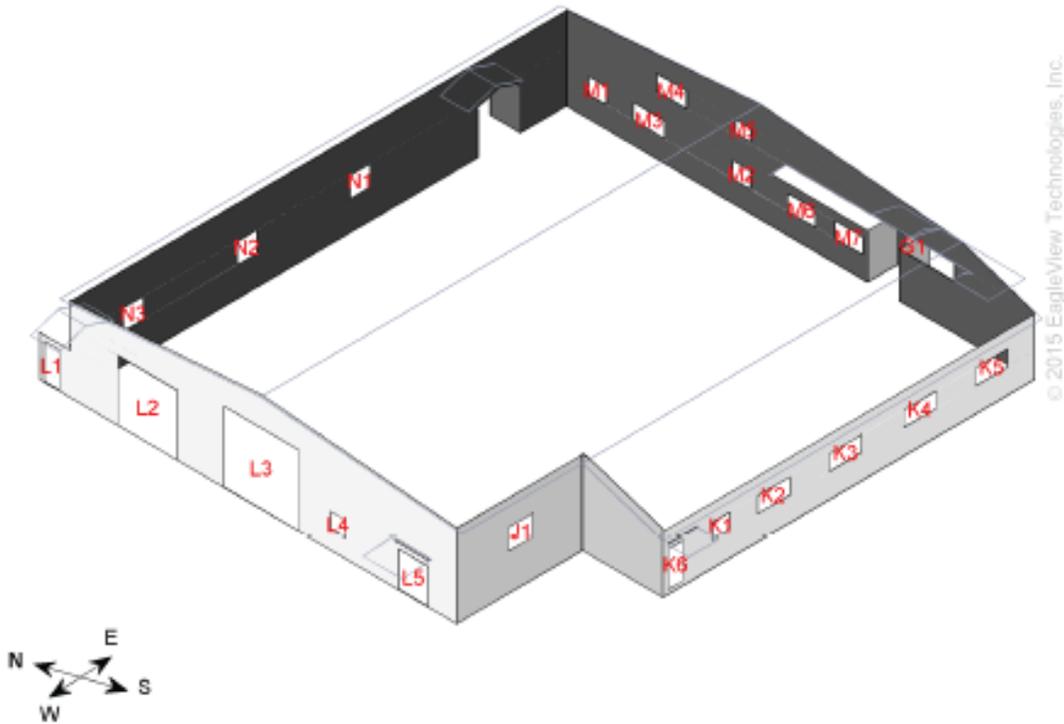
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**Window and Door Diagram**

Total Window and Door Area = 715 sq ft, with 23 windows and doors

Total Window and Door Perimeter = 462 ft



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**Window and Door Measurements**

<b><u>North</u></b>	<b><u>East</u></b>	<b><u>South</u></b>	<b><u>West</u></b>
N1 - 16 sq ft N2 - 16 sq ft N3 - 15.8 sq ft	G1 - 12.5 sq ft M1 - 10.5 sq ft M2 - 10.8 sq ft M3 - 18.9 sq ft M4 - 18 sq ft M5 - 6.7 sq ft M6 - 16.8 sq ft M7 - 16.5 sq ft	J1 - 20 sq ft K1 - 10.5 sq ft K2 - 20.4 sq ft K3 - 19.9 sq ft K4 - 19.6 sq ft K5 - 20.4 sq ft K6 - 20.9 sq ft	L1 - 21 sq ft L2 - 143.7 sq ft L3 - 209.2 sq ft L4 - 9 sq ft L5 - 41.9 sq ft
<b>47.8 sq ft</b>	<b>110.7 sq ft</b>	<b>131.7 sq ft</b>	<b>424.8 sq ft</b>

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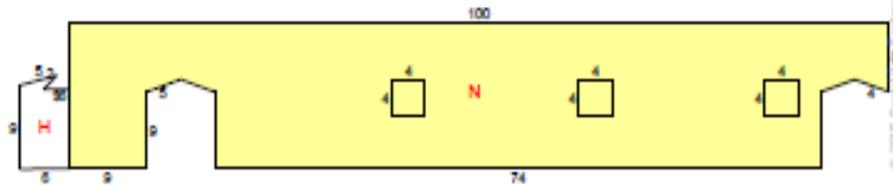
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**North Elevation Diagram**

Top of Walls = 109 ft

Bottom of Walls = 110 ft



North Elevation Details

Wall	Wall Area	Window & Door Area	Window & Door Perimeter	Window & Door Count
H	57.4	0.0	0.0	0
N	1443.8	47.8	47.8	3
<b>Total</b>	<b>1501.2 sq ft</b>	<b>47.8 sq ft</b>	<b>47.8 ft</b>	<b>3</b>

**Note:** On-site verification of yellow shaded areas is needed. Details are on the Wall Report Summary Page. This diagram shows segment lengths rounded to the nearest whole number. The window & door and wall area in square feet (rounded to the nearest tenth) is based on the actual (non-rounded) value of each segment length.

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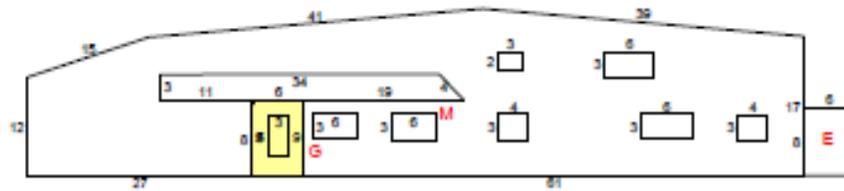
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**East Elevation Diagram**

Top of Walls = 139 ft

Bottom of Walls = 139 ft



East Elevation Details

Wall	Wall Area	Window & Door Area	Window & Door Perimeter	Window & Door Count
E	49.3	0.0	0.0	0
G	44.5	12.5	15.0	1
M	1383.1	98.2	107.6	7
<b>Total</b>	<b>1476.9 sq ft</b>	<b>110.7 sq ft</b>	<b>122.6 ft</b>	<b>8</b>

**Note:** On-site verification of yellow shaded areas is needed. Details are on the Wall Report Summary Page. This diagram shows segment lengths rounded to the nearest whole number. The window & door and wall area in square feet (rounded to the nearest tenth) is based on the actual (non-rounded) value of each segment length.

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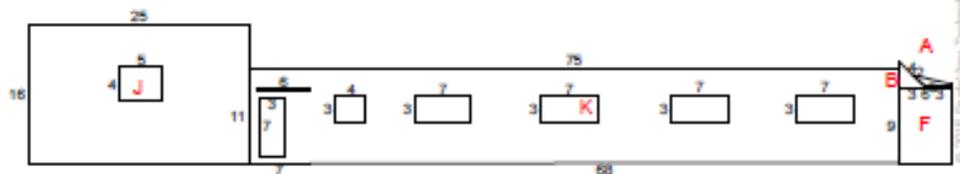
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**South Elevation Diagram**

Top of Walls = 122 ft

Bottom of Walls = 118 ft



South Elevation Details

Wall	Wall Area	Window & Door Area	Window & Door Perimeter	Window & Door Count
A	2.8	0.0	0.0	0
B	4.8	0.0	0.0	0
F	54.4	0.0	0.0	0
J	396.8	20.0	18.0	1
K	726.8	111.7	109.6	6
<b>Total</b>	<b>1185.6 sq ft</b>	<b>131.7 sq ft</b>	<b>127.6 ft</b>	<b>7</b>

**Note:** On-site verification of yellow shaded areas is needed. Details are on the Wall Report Summary Page. This diagram shows segment lengths rounded to the nearest whole number. The window & door and wall area in square feet (rounded to the nearest tenth) is based on the actual (non-rounded) value of each segment length.

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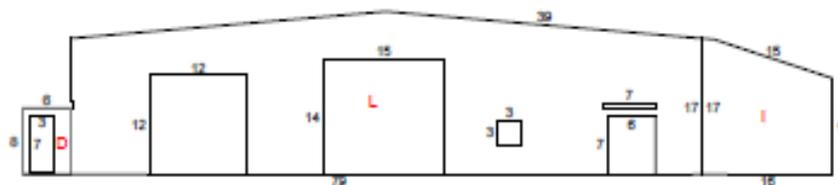
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**West Elevation Diagram**

Top of Walls = 121 ft

Bottom of Walls = 120 ft



West Elevation Details

Wall	Wall Area	Window & Door Area	Window & Door Perimeter	Window & Door Count
C	48.7	0.0	0.0	0
D	49.2	0.0	0.0	0
I	231.1	0.0	0.0	0
L	1039.9	424.8	164.0	5
<b>Total</b>	<b>1368.9 sq ft</b>	<b>424.8 sq ft</b>	<b>164 ft</b>	<b>5</b>

**Note:** On-site verification of yellow shaded areas is needed. Details are on the Wall Report Summary Page. This diagram shows segment lengths rounded to the nearest whole number. The window & door and wall area in square feet (rounded to the nearest tenth) is based on the actual (non-rounded) value of each segment length.

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### Wall Report Summary

Below is a measurement summary using the values presented in this report.

**Wall Area Waste Calculation Table** (excluding windows and doors)

Waste %	0%	10%	11%	12%	13%	14%	15%	20%
Area (sq ft)	5,533	6,086	6,142	6,197	6,252	6,308	6,363	6,640
Squares	55.3	60.9	61.4	62.0	62.5	63.1	63.6	66.4

This table shows the total wall area excluding windows and doors, based upon different waste percentages. The waste factor is subject to the complexity of the structure, image quality, siding techniques and your experience. Please consider this when calculating appropriate waste percentages. Note that only the wall area is included in these waste calculations. Accessories may require additional material.

#### Report Comments

**Due to obstructions in available images of this property, please verify measurements on portion of structure highlighted in yellow.**



#### Total Lengths & Areas

Wall Area = 5532.6 sq ft  
 Wall Area with Windows and Doors = 6,248 sq ft  
 Top of Walls = 489 ft  
 Bottom of Walls = 485 ft  
 Inside Corners = 81 ft  
 Outside Corners = 86 ft  
 Inside Corners > 90° = 0 ft  
 Outside Corners > 90° = 0 ft  
 Window and Door Area = 715 sq ft  
 Window and Door Perimeter = 462 ft

Total Wall Facets = 14  
 Total Windows and Doors = 23

Wall measurements should be field verified to confirm accuracy. Wall areas assume that flat soffits exist at the eaves. If sloped soffits are present, wall height and wall area measurements will likely be off.