

1. The Bid due date is unchanged from the advertisement – June 2, 2016 by 2:00pm
2. A copy of the NVL Laboratories report is included.
3. For gutter requirements see Specification section 076200 PART 2 H.
4. NEW: Install new downspouts. There are a total of 23 downspouts.
In specification section 076200 Part 2 add the following lines:
 - I. Downspouts: Fabricate rectangular downspouts to dimensions, complete with mitered elbows.
Furnish with metal hangers from same material as downspouts and anchors.
5. The contractor is responsible to obtain all required permits from Pierce County Public Works;
6. A proposed substitution of Metal Sales Magna-Loc metal roof panels in lieu of AEP Span Span-Lok HP metal roof panels has been received. The status of the product substitution is ACCEPTED
7. A proposed substitution of Bryer TBC Superseam metal roof panels in lieu of AEP Span Span-Lok HP metal roof panels has been received. The status of the product substitution is ACCEPTED
8. A proposed substitution of Custom-Bilt Metals CB-2000 metal roof panels in lieu of AEP Span Span-Lok HP metal roof panels has been received. The status of the product substitution is REJECTED
9. QUESTION: Section 061000 Rough Carpentry and Sheathing - As a Unit Cost item, remove deteriorated plywood sheathing. Are you looking for a Unit Cost item in our bid there is no separate line item or is this going to be after the work has started and if we find deteriorated plywood sheathing it would be an extra cost?
ANSWER: The existing deck appears to dimensional wood decking.
10. QUESTION: Section 010100 – Page 1 Summary of Work 1. Base Bid: Steep-Slope Roofing: Installation of a new self-adhered underlayment and standing seam sheet metal roof.
In Section 074113 – Standing Seam Metal Roof Panels – Page 1, Part 1 1.01 Description: Install new pre-manufactured metal roof panels with standing seam and concealed clips, including mechanically fastened coverboard, self-adhered underlayment, and accessories in accordance with this specification and related specification sections.
If you go to Page 5 under Accessories – It list Insulation and ¼-inch DensDeck Prime Mechanically Fastened Coverboard;
Is the Summary of Work correct in Section 010100 or Section 074113 description?
ANSWER: Use the summary of work in section 074113 with the following corrections.
Delete the following line: including mechanically fastened coverboard
11. In specification section 074113 Part 2.01 C delete the following lines:
 6. Vapor Barrier: Type as used in Type 2 Roof System
 7. Insulation: As approved for use in Type 2 Roof System
 8. Coverboard: ¼-inch DensDeck Prime Mechanically Fastened
12. QUESTION: Section 074113 - Page 2, Special Weathertightness System Warranty - Submit letter with the bid stating that the installer is approved by the manufacturer to install the specified product AND provide the specified warranties – Is this still a requirement to be submitted with the bid.
ANSWER: Yes, provide the letters with the bid.
13. In specification section 076200 Part 1.01 B delete the following:
(Alternate Bid)

*ADDENDUM NO. 1
Camp Murray – Building 5
Re-Roofing Project*

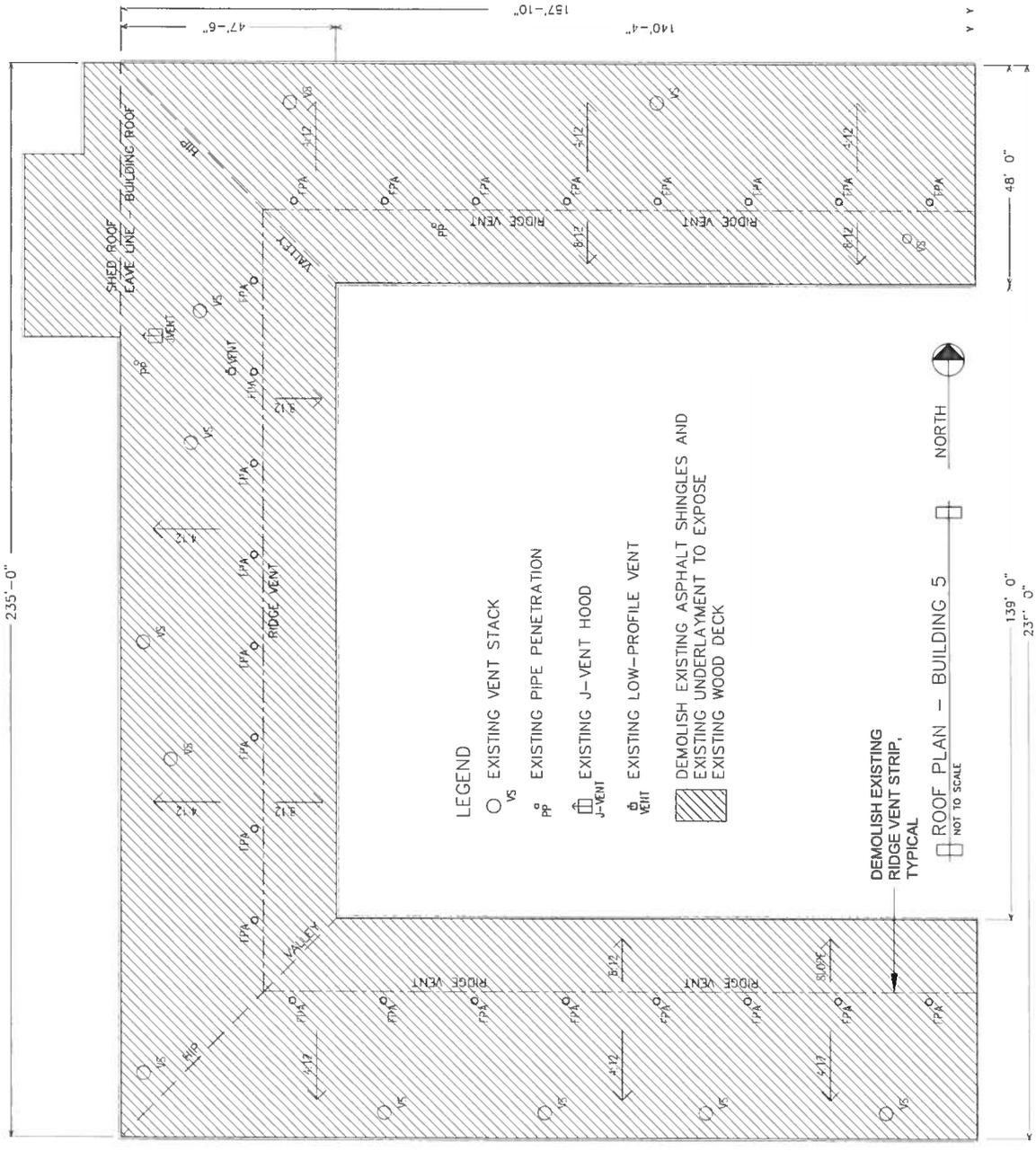
*May 26, 2016
Page 2 of 2*

14. Use updated drawings A2 DEMO ROOF PLAN, A3 ROOF PLAN, and D3 EAVE EDGE included below.
- 15 Use updated Bid Form included below.

End of Addendum Number 1

ADDENDUM 1

STATE OF WASHINGTON MILITARY DEPARTMENT
 CONSTRUCTION AND FACILITIES MANAGEMENT
CAMP MURRAY - BUILDING 5
 DEMOLITION - ROOF PLAN



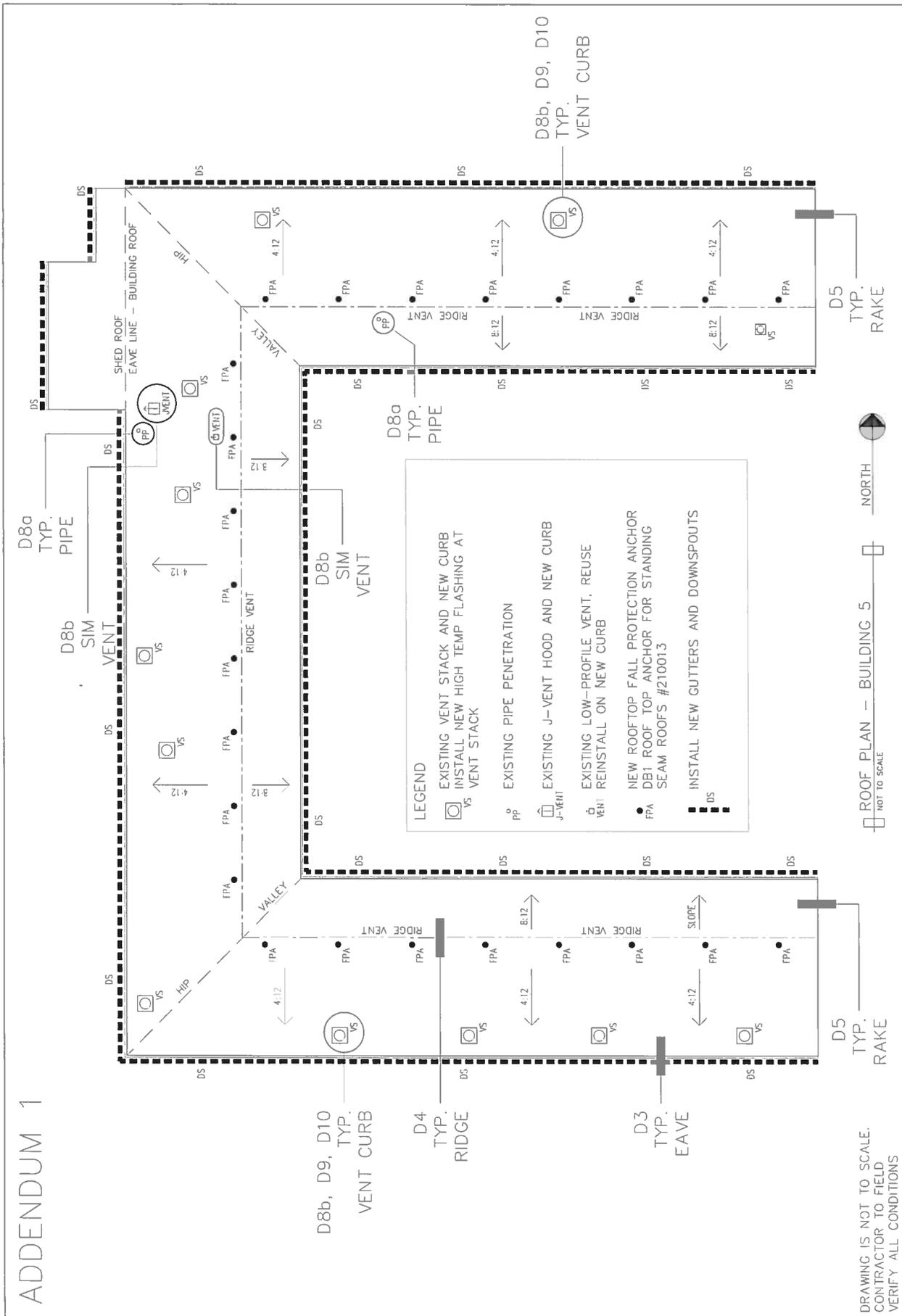
DRAWING IS NOT TO SCALE.
 CONTRACTOR TO FIELD
 VERIFY ALL CONDITIONS

ADDENDUM 1

Wetherholt and Associates, Inc.
 Phone: (425) 822-8397
 Fax: (425) 822-7595

STATE OF WASHINGTON MILITARY DEPARTMENT
 CONSTRUCTION AND FACILITIES MANAGEMENT
CAMP MURRAY - BUILDING 5
REEROOFING - ROOF PLAN

DATE: 3/2016
 DETAIL# **A3**
 FILE



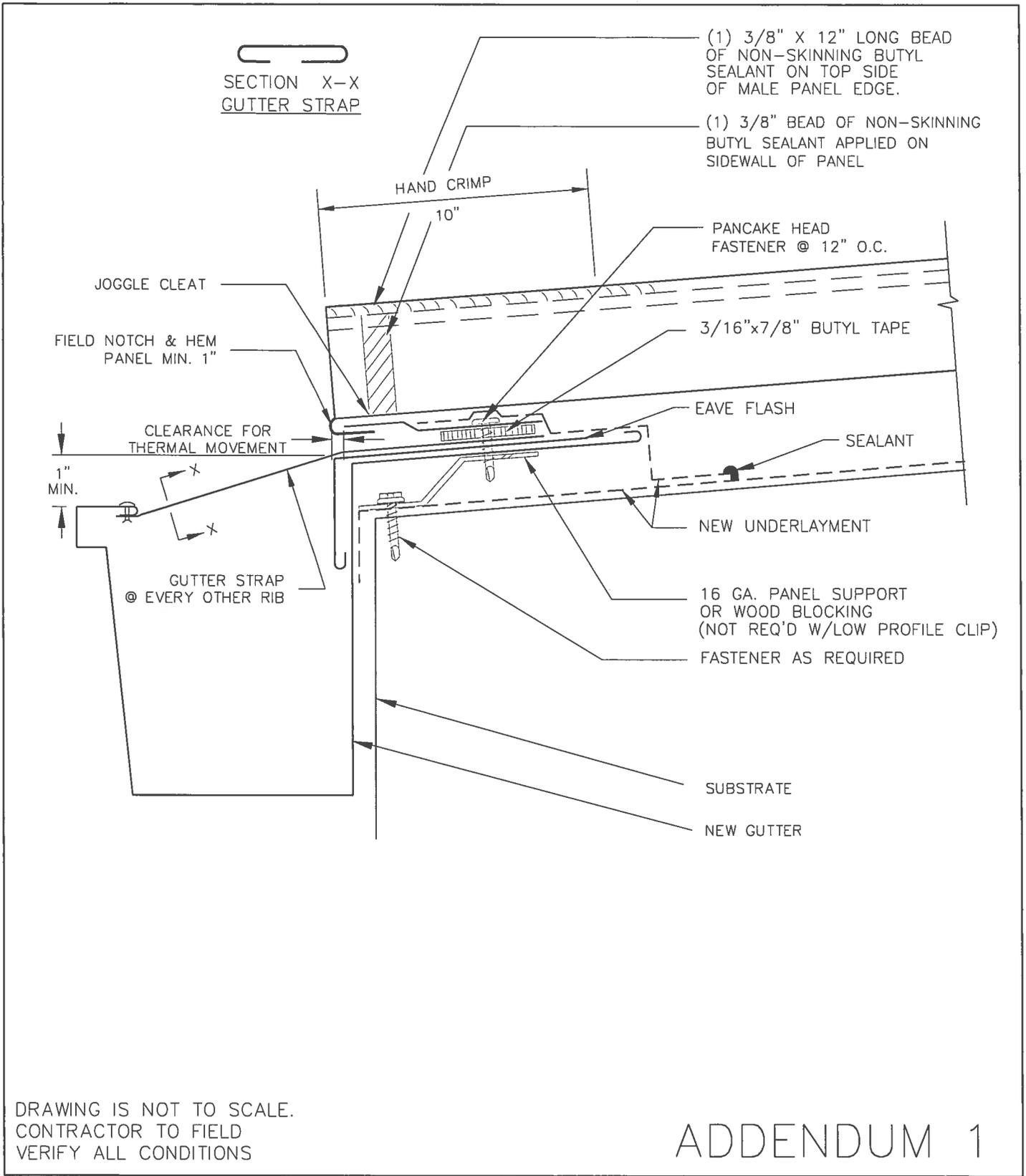
DRAWING IS NOT TO SCALE.
 CONTRACTOR TO FIELD
 VERIFY ALL CONDITIONS

ROOF PLAN - BUILDING 5
 NOT TO SCALE



D5 TYP. RAKE

D5 TYP. RAKE



W

Wetherholt and Associates, Inc.
 Phone: (425) 822-8397
 Fax: (425) 822-7595

STATE OF WASHINGTON MILITARY DEPARTMENT
 CONSTRUCTION AND FACILITIES MANAGEMENT

**CAMP MURRAY - BUILDING 5
 EAVE EDGE / GUTTER DETAIL**

DATE: MAR 2016
 DETAIL#
D3
 FILE:

Project Name: **Building 5 Re-Roof**
Camp Murray, Tacoma - WA

Project No: **2016-603**

STATE OF WASHINGTON
MILITARY DEPARTMENT
CONSTRUCTION & FACILITIES MANAGEMENT OFFICE
BUILDING #36 QUARTERMASTER ROAD
CAMP MURRAY, WASHINGTON, 98430-5052

BID PROPOSAL

In compliance with the contract documents, the following bid proposal is submitted:

1. BASE BID: Fill out one bid item as described below (*Including Trench Excavation Safety Provisions*)

_____ \$ _____
(Please print dollar amount in space above) (Do not include Washington State Sales Tax)

1. REPLACEMENT OF ROOF PLYWOOD DUE TO DETERIORATION.

DOLLARS (\$ _____) per 10 square feet roof sheathing (1x4) fully installed, matching existing.

TRENCH EXCAVATION SAFETY PROVISIONS

\$ 0.00
(Included also in Base Bid)

If the bid amount contains any work which requires trenching exceeding a depth of four feet, all costs for trench safety shall be included in the Base Bid and indicated above for adequate trench safety systems in compliance with Chapter 39.04 RCW, 49.17 RCW and WAC 296-155-650. Bidder must include a lump sum dollar amount in blank above (even if the value is \$0.00) to be responsive.

The Owner reserves the right to accept or reject any or all bid prices within sixty (60) days of the bid date.

Time for Completion

The undersigned hereby agrees to complete all the work under the Base Bid within **90 calendar days** after the date of Notice to Proceed.

The apprentice labor hours required for this project are 0 % of the total labor hours. The undersigned agrees to utilize this level of apprentice participation. Voluntary workforce diversity goals for this apprentice participation are identified in the Instructions to Bidders and Supplemental Conditions. Bidders may contact the Department of Labor & Industries, Apprenticeship Section, to obtain information on available apprenticeship programs.

Project Name: **Building 5 – Re-Roof**
Camp Murray, Tacoma - WA

Project No: **2016-603**

Apprenticeship Requirements

Voluntary numerical MWBE goals of 10% MBE and 6% have been established for this project. Achievement of the goals is encouraged. Bidders may contact the Office of Minority and Womens Business Enterprise to obtain information on certified firms.

Liquidated Damages

The undersigned agrees to pay the Owner as liquidated damages the sum of \$ **200.00** for each consecutive calendar day that is in default after the Contract Time. Liquidated damages shall be deducted from the contract by change order.

Receipt of Addenda

Receipt of the following addenda is acknowledged:

Addendum No. _____
Addendum No. _____

Addendum No. _____
Addendum No. _____

Name of Firm _____

NOTE: *If bidder is a corporation, write State of Incorporation; if a partnership, give full names and addresses of all parties below.*

Signed by _____, Official Capacity _____

Print Name _____

Address _____

City _____ State _____ Zip Code _____

Date _____ Telephone _____ FAX _____

State of Washington Contractor's License No. _____

Federal Tax ID # _____ DUNS #: _____



SUBSTITUTION REQUEST

(During the Bidding Phase)

Project Building 5 Reroof Camp Murray Substitution Request Number: _____

To: Wetherholt and Associates Inc. From: Stacey Henderson- Metal Sales Mfg. Corp.
George Hopkins- jhc@wetherholt.com Date: 5/23/2016

Re: Metal Roof Panel Substitution Request as Equal A/E Project Number: _____
Contract For: _____

Specification Title: Metal Roof Panels Description: AEP Span- Span-lok hp- 16" coverage, Striated
Section: 074113 Page: 6 Article/Paragraph: 2.01.A

Proposed Substitution: Metal Sales "Magna Loc" panel- 16" coverage, Striated (equal to that specified)
Manufacturer: Metal Sales Mfg. Address: 20213 84th Ave S. Phone: 509-828-4757
Trade Name: _____ Kent, WA 98032 Model No.: _____

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Stacey Henderson
Signed by: Stacey Henderson
Firm: Metal Sales Manufacturing Corporation
Address: 2727 E Trent
Spokane WA 99202
Telephone: 509-828-4757

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01330.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by: _____ Date: _____

Supporting Data Attached: Drawings Product Data Samples Tests Reports _____

CSI Form 1.5C

**SUBSTITUTION
REQUEST**
(During the Bid Period)

Project: Camp Murray Building 5 Substitution Request Number: _____
 From: The Bryer Company
 To: Wether-holt & Assoc. Date: 5/19/16
George Hopkins A/E Project Number: _____
 Re: Metal Roofing Contract For: _____
 Specification Title: Standing Seam Metal Description: Metal Panels
 Section: 074113 Page: 4 Article/Paragraph: 2-01 A

Proposed Substitution: TBC Superseam
 Manufacturer: Bryer Address: 119 Clay St. NW Auburn Phone: 253-735-1824
 Trade Name: TBC Superseam Model No.: _____

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: D. Tom Van Alstine
 Signed by: D. Tom Van Alstine
 Firm: The Bryer Company
 Address: 119 Clay St. NW
Auburn WA
 Telephone: 253-735-1824

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by: _____ Date: _____

Supporting Data Attached: Drawings Product Data Samples Tests Reports _____

SUBSTITUTION REQUEST FORM

TO: Wetherholt and Associates
1001 Cooper Point Road SW. Suite 140
Olympia, WA 98502-0816

PROJECT NAME:

We hereby submit for consideration, the following product instead of specified item for above project:
Section 074113 Paragraph 2.01 Specified Item AEP Span, Span-lok hp

Proposed Substitution: Custom-Bilt Metals, CB-2000

Attach complete dimensional information and technical data including laboratory tests, if applicable.
Include complete information on changes to drawings and/or specifications which proposed substitution will require for its proper installation.
Submit with request all necessary samples and substantiating data to provide equal quality, performance and appearance to that which is specified. Clearly mark manufacturer's literature to indicate equality in performance. Differences in quality of materials and construction shall be indicated.

The undersigned states that the following paragraphs, unless modified on attachments, are correct:

1. The proposed substitution does not affect dimensions shown on drawings.
2. The undersigned will pay for changes to the building design, including engineering design, detailing and construction costs caused by the requested substitution.
3. The proposed substitution will have no adverse effect on other trades, the construction schedule, or specified warranty requirements.
4. Maintenance and service parts will be locally available for the proposed substitution.
5. The proposed substitution will have no effect on applicable codes.
6. The manufacturer's guarantees or warranties of proposed product is equivalent to or exceeds that of the specified product.

List of names and location of three similar projects on which products was used, date of installation, and Architect's name and phone number.

Name: P-858 Bachelorenlisted Quarters, BEQ-Support Building
Location: Marine Corps Base Hawaii
Architect: Brent I. Tokita 808.625.6445
Install Date: February 2015

Name: Navy Public Works Center, P212 CDC-MCAGCC
Location: Twentymine Palms, CA
Architect: Domus Studio Architecture 619.692.9393 contact John Pyjar
Install Date: March 2015

Name: BEQ B2306 Renovation
Location: Naval Base Kitsap, Bangor
Architect: AHBL 253.393.2422
Install Date: November 2014

CERTIFICATE OF EQUAL
PERFORMANCE AND
ASSUMPTION OF LIABILITY
FOR EQUAL PERFORMANCE

UNDERSIGNED ATTESTS THAT
FUNCTION AND QUALITY ARE
EQUAL TO OR SUPERIOR TO
SPECIFIED ITEMS.

Submitted By:

Signature Title

Firm

Address

FOR USE BY ARCHITECT:

Accepted Accepted as Noted
 Not Accepted Rec'd Too Late

By _____
Date _____

Remarks _____

City, State Zip

Phone Date

Above signature must be by person
having authority to legally bind
his firm to the above terms.

May 24, 2016

George Hopkins
Wetherholt & Associates, Inc.
P.O.Box 816
Kirkland, WA 98083



INDUSTRIAL
HYGIENE
SERVICES

Laboratory | Management | Training

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1610616.00

Client Project: N-A
Location: Camp Murray - Bldg. 5

Dear Mr. Hopkins,

Enclosed please find test results for the 5 sample(s) submitted to our laboratory for analysis on 5/20/2016.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in cursive script that reads 'Lori Tseng'.

Lori Tseng, PLM Analyst



Lab Code: 102063-0

1.888.NVL.LABS Enc.: Sample Results
1.888.(685.5227)
www.nvllabs.com

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Wetherholt & Associates, Inc.
 Address: P.O.Box 816
 Kirkland, WA 98083

Batch #: 1610616.00

Client Project #: N-A
 Date Received: 5/20/2016
 Samples Received: 5
 Samples Analyzed: 5
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Mr. George Hopkins

Project Location: Camp Murray - Bldg. 5

Lab ID: 16220804 Client Sample #: 1

Location: Camp Murray - Bldg. 5

Layer 1 of 5	Description: Black asphaltic material with granules	Non-Fibrous Materials: Asphalt/Binder, Granules, Mineral grains	Other Fibrous Materials:% Glass fibers 26% Cellulose 2%	Asbestos Type: % None Detected ND
Layer 2 of 5	Description: Crumbly black asphaltic material	Non-Fibrous Materials: Asphalt/Binder, Fine particles	Other Fibrous Materials:% Cellulose 15% Glass fibers 4%	Asbestos Type: % None Detected ND
Layer 3 of 5	Description: Crumbly black asphaltic material	Non-Fibrous Materials: Asphalt/Binder, Fine particles	Other Fibrous Materials:% Cellulose 28%	Asbestos Type: % Chrysotile 20%
Layer 4 of 5	Description: Crumbly black asphaltic material	Non-Fibrous Materials: Asphalt/Binder	Other Fibrous Materials:% Glass fibers 30%	Asbestos Type: % None Detected ND
Layer 5 of 5	Description: Black crumbly built-up asphaltic material	Non-Fibrous Materials: Asphalt/Binder, Fine grains, Fine particles	Other Fibrous Materials:% Glass fibers 19% Cellulose 6%	Asbestos Type: % None Detected ND

Lab ID: 16220805 Client Sample #: 2

Location: Camp Murray - Bldg. 5

Sampled by: Client		<i>Lori Tseng</i>
Analyzed by: Matt Macfarlane	Date: 05/23/2016	
Reviewed by: Lori Tseng	Date: 05/24/2016	Lori Tseng, PLM Analyst

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Wetherholt & Associates, Inc.
 Address: P.O.Box 816
 Kirkland, WA 98083

Batch #: 1610616.00

Client Project #: N-A
 Date Received: 5/20/2016
 Samples Received: 5
 Samples Analyzed: 5
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Mr. George Hopkins

Project Location: Camp Murray - Bldg. 5

Layer	Description	Non-Fibrous Materials	Other Fibrous Materials	Asbestos Type
Layer 1 of 3	Description: Black asphaltic material with granules	Asphalt/Binder, Granules, Mineral grains	Glass fibers 20% Cellulose 3%	Asbestos Type: % None Detected ND
Layer 2 of 3	Description: Crumbly black asphaltic built-up material	Asphalt/Binder, Fine particles	Cellulose 25% Glass fibers <1%	Asbestos Type: % Chrysotile 18%
Layer 3 of 3	Description: Crumbly black asphaltic fibrous material	Asphalt/Binder, Fine particles	Cellulose 30%	Asbestos Type: % Chrysotile 22%

Lab ID: 16220806 Client Sample #: 3

Location: Camp Murray - Bldg. 5

Layer 1 of 4	Description: Black asphaltic material with granules	Asphalt/Binder, Granules, Fine grains	Glass fibers 23%	Asbestos Type: % None Detected ND
Layer 2 of 4	Description: Crumbly black asphaltic material	Asphalt/Binder, Fine particles	Cellulose 22%	Asbestos Type: % Chrysotile 20%
Layer 3 of 4	Description: Black crumbly asphaltic material	Asphalt/Binder, Fine particles	Cellulose 27%	Asbestos Type: % Chrysotile 22%
Layer 4 of 4	Description: Black crumbly asphaltic material	Asphalt/Binder, Miscellaneous particles, Fine particles	Cellulose 25%	Asbestos Type: % None Detected ND

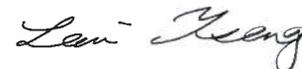
Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Lori Tseng

Date: 05/23/2016

Date: 05/24/2016



Lori Tseng, PLM Analyst

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Wetherholt & Associates, Inc.

Address: P.O.Box 816

Kirkland, WA 98083

Attention: Mr. George Hopkins

Project Location: Camp Murray - Bldg. 5

Batch #: 1610616.00

Client Project #: N-A

Date Received: 5/20/2016

Samples Received: 5

Samples Analyzed: 5

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Glass fibers <1%

Lab ID: 16220807 Client Sample #: 4

Location: Camp Murray - Bldg. 5

Layer 1 of 3 Description: Black asphaltic material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: % None Detected ND
Asphalt/Binder, Granules, Mineral grains	Glass fibers 30%	
	Cellulose <1%	

Layer 2 of 3 Description: Black crumbly asphaltic fibrous built-up material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: % Chrysotile 21%
Asphalt/Binder, Fine particle, Fine grains	Cellulose 28%	
	Glass fibers 15%	

Layer 3 of 3 Description: Crumbly black asphaltic material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: % None Detected ND
Asphalt/Binder, Fine particles	Cellulose 40%	

Lab ID: 16220808 Client Sample #: 5

Location: Camp Murray - Bldg. 5

Layer 1 of 5 Description: Black asphaltic material with granules

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: % None Detected ND
Asphalt/Binder, Granules, Mineral grains	Glass fibers 25%	
Fine particles	Cellulose 3%	

Layer 2 of 5 Description: Crumbly black asphaltic built-up material

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: % None Detected ND
Asphalt/Binder, Fine particles	Glass fibers 33%	

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Lori Tseng

Date: 05/23/2016

Date: 05/24/2016



Lori Tseng, PLM Analyst

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Wetherholt & Associates, Inc.

Address: P.O.Box 816

Kirkland, WA 98083

Attention: Mr. George Hopkins

Project Location: Camp Murray - Bldg. 5

Batch #: 1610616.00

Client Project #: N-A

Date Received: 5/20/2016

Samples Received: 5

Samples Analyzed: 5

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 3 of 5	Description: Black asphaltic crumbly material	Asphalt/Binder, Fine particles	Cellulose 25%	Chrysotile 19%
Layer 4 of 5	Description: Crumbly black asphaltic material	Asphalt/Binder, Fine particles	Cellulose 24% Glass fibers <1%	Chrysotile 18%
Layer 5 of 5	Description: Crumbly black asphaltic material	Asphalt/Binder, Fine particles, Miscellaneous particles	Cellulose 35%	None Detected ND

<p>Sampled by: Client</p> <p>Analyzed by: Matt Macfarlane</p> <p>Reviewed by: Lori Tseng</p>	<p>Date: 05/23/2016</p> <p>Date: 05/24/2016</p>	 <p>Lori Tseng, PLM Analyst</p>
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Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Company Wetherholt & Associates, Inc.	NVL Batch Number 1610616.00
Address P.O.Box 816 Kirkland, WA 98083	TAT 1 Day AH No
Project Manager Mr. George Hopkins	Rush TAT
Phone (425) 822.8397	Due Date 5/23/2016 Time 12:30 PM
	Email jeorge@wetherholt.com
	Fax (425) 822.7595

Project Name/Number: N-A	Project Location: Camp Murray - Bldg. 5
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Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 5 **Rush Samples** _____

	Lab ID	Sample ID	Description	A/R
1	16220804	1		A
2	16220805	2		A
3	16220806	3		A
4	16220807	4		A
5	16220808	5		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				
Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Matt Macfarlane		NVL	5/20/16	1230
Analyzed by	Matt Macfarlane		NVL	5/23/16	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					
Special Instructions:					

Date: 5/20/2016
 Time: 1:21 PM
 Entered By: Matt Macfarlane

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

Tel: 206.547.0100 Emerg.Cell: 206.914.4646

Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

**CHAIN of CUSTODY
SAMPLE LOG**

1610616

Client Wetherholt & Associates, Inc.

Street P.O. Box 816

Kirkland, WA 98083

NVL Batch Number _____

Client Job Number _____

Total Samples _____

Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days

2 Hrs 1 Day 4 Days

4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hrs

Project Manager Mr. George Hopkins

Project Location _____

CAMP MURRAY - BLDG 1

Email address g.hopkins@wetherholt.com

George

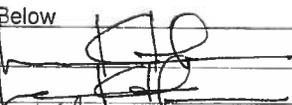
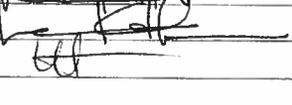
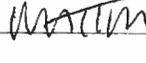
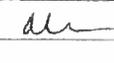
Phone: (425) 822.8397

Fax: (425) 822.7595

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppm)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Selenium (Se)	<input type="checkbox"/> Nickel (Ni)
		<input type="checkbox"/> Soil	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> Silver (Ag)	<input type="checkbox"/> Zinc (Zn)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g. Sample are, Sample Volume, etc)	A/R
1		1	roof sample in tube	
2		2	roof sample in tube	
3		3	roof sample in tube	
4		4	roof sample in tube	
5		5	roof sample in tube	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	LAWRENCE KITCHEN		WETHERHOLT LABOR	5/20	9:30am
Relinquished by	LAWRENCE KITCHEN		WETHERHOLT & ASSOC.	5/20	12:25pm
Received by				5/20/16	1230
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.