



THE STATE
of **ALASKA**
GOVERNOR MIKE DUNLEAVY

Department of Corrections
DIVISION OF ADMINISTRATIVE SERVICES
Anchorage Procurement Office

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Anchorage, Alaska 99501-3569
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Issue Date: May 15, 2019

ATTN: Vendors

RE: Project Name: HMCC Roof Repairs
Project Number: 2019-2102-0101
Project Location: Hiland Mountain Correctional Center
ITB Opening Date and Time: **May 22, 2019 @ 2:00 PM local time**

Addendum # ONE (1)

This addendum forms a part of the contract documents and modifies the original drawings and/or specifications for the subject work. In case of conflicts between this addendum and previously issued documents, this addendum shall take precedence.

The following are questions from interested parties and the department's response:

1. Question: I noticed in the Wood Preservative Treatment section: Page 06 10 00-2, it is calling out AWPAC C31 with Inorganic Boron (SBX). We buy and stock a special order treated lumber and plywood that is specifically used in many roof applications throughout the state. Specifically on many state and government projects. We are the only branch in the state that brings in this material. I have attached a technical data sheet to see if this treated lumber would be acceptable, along with a data sheet on the preservative itself. This material is typically a little more than the bug board material that is spec'd but the quality of the treatment is superior for roof applications.

Answer: In paragraph 2.2, A, Change "C31" to "UC3b". The proposed material is acceptable. Please see attached Preserve Plus Product Information sheet.

2. Question: Under 2.5 (B)Roof Insulation section: Page 07 53 23-5, It is calling out Extruded Polystyrene board. Is EPS (Expanded Polystyrene) acceptable? In the previous repairs EPS was used.

Answer: In paragraph 2.5, B, change "Extruded" to "Expanded". The type (Type II) is EPS.

3. Question: Under 2.6 (D) Cover Board Roof Insulation section: The specs are calling out 100 P.S.I. Firestone does not make a 100 psi board. Please see the attached technical data sheet for the Firestone 1/2" 80 PSI Cover Board. Will this be acceptable?

Answer: Please provide 100 PSI minimum cover board. Firestone Grade 2 complies. Please see attached Firestone ISOGARD Cover Board Product Information sheet.

4. Question: What is the complete assembly of the walkway flat roofs? Detail 7 CAD.1 is blurry and indecipherable in regards to the roof assembly components.

Answer: The existing roof assembly is a built-up roofing membrane over 2-1/2" rigid insulation over a vapor retarder (type unknown) on the metal decking as indicated on detail 8/CAD.1. The new roof assembly is 1/CAD.1.

5. Question: Can a flat roof sectional drawing be provided similar to detail 3 HUD.2?

Answer: No. Provide 1:48 tapered insulation as indicated on drawings, specifications, and the 2012 IBC.

6. Question: Specification Section 07 31 13 asphalt shingles 2.2 has no basis of design for the shingles. What is the preferred shingles that are to be installed? Please provide a basis of design.

Answer: Any manufacturer meeting the stated criteria is acceptable including, but not limited to Malarkey Legacy XL and Owens Corning Oakridge.

7. Question: Specification section 07 53 23 – 2.5.B calls out extruded polystyrene. Would it be acceptable to use expanded polystyrene in lieu of extruded polystyrene?

Answer: See number 2 above.

8. Question: In specification section 07 53 23 there is no vapor barrier called out. Detail 1 CAD.1 shows a vapor barrier over 3" metal decking. Specification section 07 21 00 calls out 6 mil polyethylene to be used over metal decks. Please confirm 6 mil polyethylene vapor barrier will be installed at the walkway flat roofs?

Answer: Add paragraph 07 53 23, 2.5, C as follows:

"C. Self-Adhering-Sheet Vapor Retarder: Polyethylene film laminated to layer of butyl rubber adhesive, minimum 30-mil- total thickness; maximum permeance rating of 0.1 perm; cold applied, with slip-resisting surface and release paper backing."

9. Question: Specification section 07 53 23 – 2.6.C. calls out 1/2" polyisocyanurate cover board with a compressive strength of 100 psi. Would it be acceptable to use 1/2" polyisocyanurate cover board material with 80 psi?

Answer: See Item 3 above.

10. Question: Please identify a staging area for materials and equipment.

Answer: Contractor may stage materials outside near the Chandalar building or under the covered parking area adjacent to the Chandalar building (if necessary). HMCC staff are flexible and willing to reasonably accommodate the contractor for staging location. Please see attached site plan showing staging locations.

11. Question: Has the existing flat roof been tested for asbestos?

Answer: Yes, the samples taken from the felt and tar of the existing walkway flat roof

tested positive for ACM.

12. Question: Will an asbestos report be provided to interested contractors?

Answer: Yes, see attachment to addendum.

13. Question: Due to the late solicitation of this project and long lead times for the lumber, can the completion date be extended to next summer?

Answer: Assuming all roof work is dried in at the point of seasonal shut down, the project completion date can be extended.

14. Question: The access to the roofs is limited and there is landscaping around each area. Who will be responsible to repair the landscaping if damage occurs?

Answer: The Facility will be responsible.

15. Question: There are 2 existing antennas on House 3. Are these to be removed and reinstalled? Are they currently in use?

Answer: Contractor to remove and dispose of antennas.

16. Question: It was noted at the site visit that 2 electrical conduits were damaged on the walkway roof to be replaced as part of alternate #2. If alternate #2 is awarded who will be responsible for the repair of the existing damaged conduit?

Answer: Facility will repair damaged conduits.

17. Question: Please consider extending the bid date to adjust for responses to these questions and subcontractor notifications.

Answer: The bid date will be extended from May 17th to May 22nd, 2019 @ 2:00 PM local time.

End of Addendum #1

Please be reminded that all addendums must be acknowledged on your bid proposal.

Attachments:

1. KDAT .25 Dimension Lumber spec sheet,
2. Preserve & Preserve Plus Product information sheet,
3. Firestone technical information sheet,
4. Department material staging plan,
5. ATC Asbestos report, 5/13/19.

Sincerely,



Evan Patterson
Procurement Officer

cc: Ryan Henderson, Project Manager, DOC
Dan Aicher, Facilities Manager, DOC

KDAT .25 DIMENSION LUMBER-ACQ



SPEC SHEET

PRODUCT: KDAT .25 Dimension Lumber-PRESERVE
TREATED BY PRESSURE PROCESS

DEFINITION: Treated lumber used in ABOVE
GROUND application.

TREATING CHEMICAL: ACQ KDAT TO 19%

LUMBER TYPE: Hem-Fir graded # 2&btr surfaced
four sides, (S4S).

PROCESS: Lumber is treated in accordance
with AWWPA Standard C-1, C-2.

USE CATEGORY SYSTEM: U1, T1, UC3B

WARRANTY: Lifetime limited warranty against
rot, decay and termite attack.

FASTNER RECOMMENDATION:
Hot dipped galvanized, stainless
steel or other high quality coated
fastener per manufacturer's
recommendation.

SIZES AVAILIABLE: 2 x 4, 2 x 6, 2 x 8, 2 x 10 and
2 x 12, 8' through 20'.
Other sizes available on request.

Superior Wood Treating
13702 Stewart Rd.
Sumner, WA 98390



An environmentally advanced preservative system that provides long-term protection from decay and termites. For commercial, residential and agricultural uses in above ground, ground contact, fresh-water immersion and salt-water splash applications, Preserve is the proven wood preservative.

Preserve® ACQ®

- ▶ Long-term protection from decay and termite attack
- ▶ Twenty years of testing and field usage
- ▶ Environmentally friendly, Green Building Product
- ▶ Limited Lifetime Warranty



Preserve® Plus® ACQ®

Preserve Plus has the same benefits and warranty as Preserve, but also contains a built-in water repellent that reduces cracking, splitting and warping.



Preserve is a Green Approved Product listed by the NAHB Research Center and is eligible to earn points towards Green Certification under the National Green Building Standard.™





Painting and Staining or Natural Weathering

Preserve can be painted or stained to match any outdoor color scheme. High-quality oil and latex based paints and stains are recommended. Water repellent coatings can be applied to enhance the long-term weathering performance. It is important that the wood is dry and clean prior to applying any coating. Left uncoated, or with clear water repellent coatings, Preserve will initially weather to a natural brown color, eventually turning gray following long-term exposure to the sun.

Nails, Fasteners and Connectors

For the best results, use of building-code approved, corrosion-resistant fasteners and connectors is always recommended. Direct contact of Preserve treated wood with aluminum fasteners and fittings is not recommended.

Applications

- ▶ Decks
- ▶ Fencing
- ▶ Gazebos
- ▶ Raised Beds
- ▶ Pilings (freshwater)
- ▶ Steps
- ▶ Play sets
- ▶ Posts
- ▶ Landscaping
- ▶ Docks
- ▶ Walkways
- ▶ Sheds
- ▶ Trellis
- ▶ Lattice
- ▶ Sill Plates

Specifications

Viance provides 3-part model specifications at www.TreatedWood.com and at www.ARCAT.com.



Preserve® Plus® Offers Improved Weathering Performance

Wood exposed to the weather is subject to repeated wetting and drying cycles that cause it to swell and shrink, resulting in splitting, cracking and warping. Preserve Plus is protected with the combination of ACQ preservative treatment and a built-in water repellent to provide long-term protection against decay, termite attack and the effects of weathering.

Preserve Plus should be used for outdoor building projects where appearance is important and protection from the effects of weathering is a priority.



Scan with mobile phone to visit www.TreatedWood.com

Preserve® is backed by a Lifetime Limited Warranty against decay and termite damage.

Product Features

- ▶ Provides long-term protection from decay and termite attack.
- ▶ Can be used in environmentally sensitive settings.
- ▶ Offers a wide selection of treatable timber species, including Douglas Fir.
- ▶ Easily painted or stained.
- ▶ Adherence to AWPA treatment standards is verified by independent third-party product inspection.
- ▶ Features a Limited Lifetime Warranty.

Treated Lumber and Plywood Specifications, Approvals, Registrations, and Awards

- ▶ **Standardized by the American Wood Protection Association**
Use Categories: U1, T1, UC1, UC2, UC3A, UC3B, UC4A, UC4B, UC4C
- ▶ **NAHB Research Center National Building Certified as a "Green Approved Product"**
- ▶ **ICC Evaluation Service Report (NER-643)**
- ▶ **Winner, 2002 US EPA Presidential Green Chemistry Award**
- ▶ Canadian Standards Association (CSA-O80)
- ▶ Japanese Industrial Standards (JIS)
- ▶ Australian/New Zealand AS/NZ Standard 1604
- ▶ Australian Quarantine and Inspection Service (AQIS)
- ▶ American Association of State Highway and Transportation Officials (AASHTO M-133)

Preserve® Recommended ACQ® Retentions For Various Applications

APPLICATION	RETENTION (LBS/CU.FT.)	TYPICAL USES
Above Ground	0.20	Decking components, 5/4" decking, fence boards, trim & fascia, framing, flooring, sill plates, trellises, gazebos, plywood
Ground Contact Fresh Water	0.40	Deck support posts, fence posts, landscaping, piers, docks, plywood
Critical Structural Members ²	0.60	Poles (building, transmission, and distribution), salt-water splash areas
Wood Foundation Systems	0.60	Wood foundations, crawl spaces

¹ The recommended ACQ retention levels for Preserve Plus are identical to Preserve treated wood as shown above.
² Pole approval for ACQ Type B.

© Viance (PD-03 2/11)



For more information, call 1-800-421-8661, fax us at 704-527-8232 or visit



Viance LLC • 200 E. Woodlawn Rd, Ste 350, Charlotte, NC 28217

TECHNICAL INFORMATION SHEET

ISOGARD™ HD Cover Board

Item Description

ASTM C1289 Type II, Class 4, Grade 1

4' x 4' (1.2 m x 1.2 m) 80 P.S.I.

4' x 8' (1.2 m x 2.4 m) 80 P.S.I.

ASTM C1289 Type II, Class 4, Grade 2

4' x 4' (1.2 m x 1.2 m) 120 P.S.I.

4' x 8' (1.2 m x 2.4 m) 120 P.S.I.

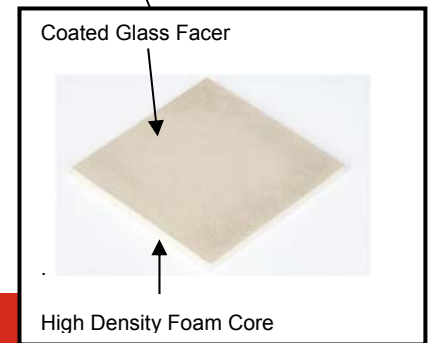
Item Number

W8H8GG050I (Half Bundle)

W8H8GG050H (Half Bundle)

W8H3GG050I (Half Bundle)

W8H3GG050H (Half Bundle)



Product Information

Description:

Firestone ISOGARD HD Cover Board is a half-inch (12.7 mm) thick polyiso with insulating properties. It has a high density, closed-cell, polyisocyanurate foam and coated glass facers. Firestone ISOGARD HD Cover Board provides a high thermal performance when compared to other high density insulations or cover boards.

All Firestone polyisocyanurate insulations use EPA accepted blowing agents. Firestone ISOGARD HD Cover Board with ISOGARD / ISO 95+ GL foam technology incorporates a HCFC-free blowing agent that does not contribute to the depletion of the ozone layer (ODP-free).

Code Approvals:

FM 4450, FM4470, UL 790, UL Classified

Method of Application:

Insulation shall be neatly fitted to all roof penetrations, projections and nailers. No more insulation shall be installed than can be covered with membrane and completed before the end of each day's work or before the onset of inclement weather.

Firestone ISOGARD HD Cover Board can be applied over:

- existing roof surfaces
- under fully adhered or mechanically attached Single-Ply
- Modified Bitumen systems applied in Multi-Purpose MB Cold Adhesive and BASEGARD™ SA base sheets with a torch applied cap or SBS sand backed cap sheet in hot asphalt

ISOGARD HD Cover Board must be installed using Firestone Fasteners and Plates or one of the following Firestone insulation adhesives:

- I.S.O. Twin Pack™
- I.S.O. Stick™
- Twin Jet
- I.S.O. Spray™ R
- I.S.O. FIX™ II

Storage:

Keep insulation dry at all times.

TECHNICAL INFORMATION SHEET

ISOGARD™ HD Cover Board

Precautions:

- Elevate insulation above the deck or ground.
- Combustible. Refer to SDS for more information.
- Do not install over wet, damp or uneven substrates.
- Do NOT install when wet.
- Do NOT torch apply membranes to ISOGARD HD cover boards
- Do NOT use hot asphalt to attach or apply asphalt roofing systems to ISOGARD HD cover boards

LEED® Information:

Recycled Content: approximately 9%*

*Contains post industrial recycled content.

Manufacturing Location: Corsicana, TX Youngwood, PA Jacksonville, FL
DeForest, WI Florence, KY Bristol, CT

Manufactured in an ISO 9000 Registered Facility

FM Global Approved when applied with the fastening pattern shown.

*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.



ASTM C1289 Type II, Class 4

Typical Properties

Property	ASTM Standard	Units	Value	Units	Value
Compressive Strength:					
Grade 1	D1621	psi	≥ 80	kPa	≥ 551
Grade 2	D1621		≥ 120		≥ 827
Dimensional Stability	D2126	%	<0.5	%	<0.5
Water Absorption	C209	% by volume	<3	% by volume	<3
Service Temperature	---	°F	-100 to 250	°C	-73 to 121
Resistance to Mold	D3273	--	pass	---	pass
Flute Span over metal decks	---	inches	2.625		

Product Data

Property	Thickness inches	Thickness mm	R-Value
Thermal Resistance	0.5	12.7	2.5

R-Value shown are based on ASTM Test C518 2 75 °F mean

TECHNICAL INFORMATION SHEET

ISOGARD™ HD Cover Board

Acceptable Substrates

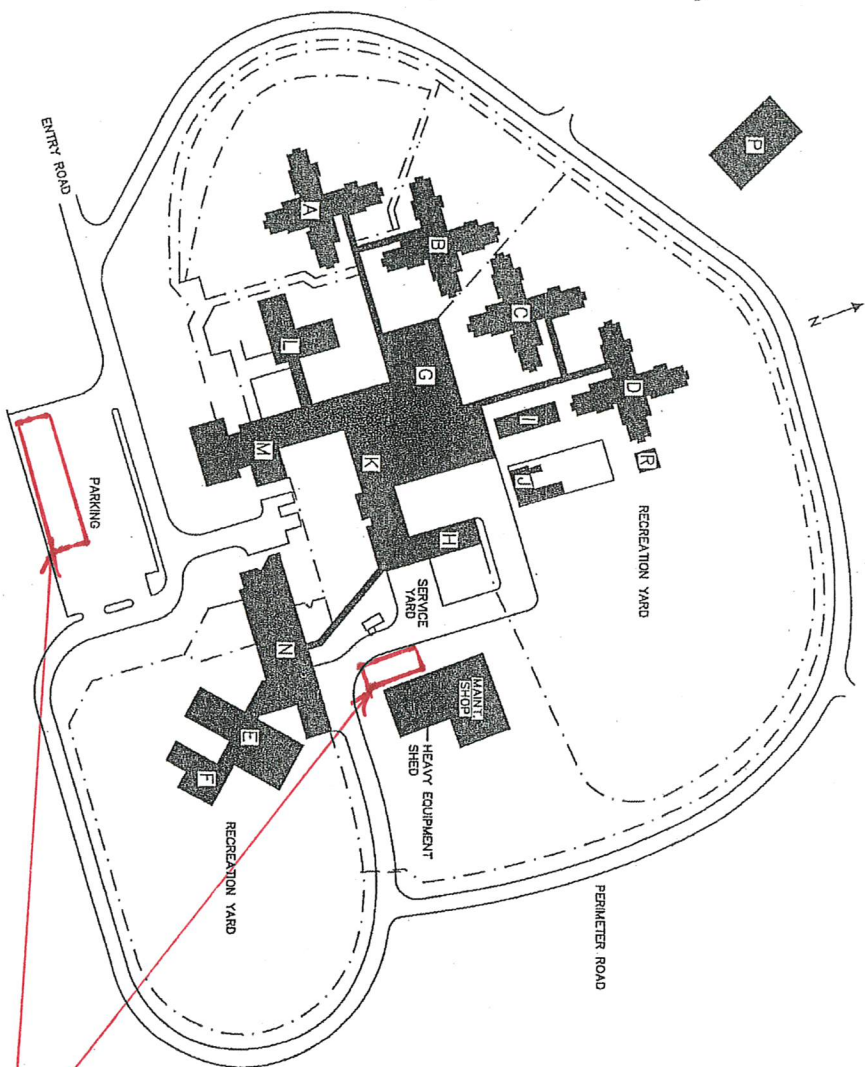
Property	NOTES:
Structural Concrete, 3000 psi (New & Existing)	Please consult Membrane Design Guides on line at www.firestonebpco.com to review specific information regarding fastener types appropriate for the type of deck and insulation in use.
Steel, min. 22 gauge	
Lightweight Concrete ¹	
Plywood and OSB, min. ½"	
Gypsum, min. 2"	
NOT ACCEPTABLE:	Do not use hot asphalt to adhere ISOGARD HD cover boards. Firestone ISOGARD HD cover board is not suitable as an immediate substrate for a ballasted roof system.

¹ A vapor retarder is required to be installed under systems with insulation. A properly prepared, existing, dry and sound, uninsulated built-up roof system (all splits and blisters repaired) can be used as a vapor retarder.

NOTE: Be sure to use the required fastener for an FM approved system.

Please contact Firestone Technical Services Department at 1-800-428-4511 for further information.

This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.



SITE

STAGING AREAS

- HILLAND MOUNTAIN/
MEADOW CREEK CORRECTIONAL CENTER
- A - HOUSING UNIT 1
 - B - HOUSING UNIT 2
 - C - HOUSING UNIT 3
 - D - HOUSING UNIT 4
 - E - HOUSING UNIT 5 E. & W.
 - F - HOUSING UNIT 5 SOUTH
 - G - GYM
 - H - CENTRAL PLANT
 - I - CLASSROOMS 3 & 4
 - J - GREEN HOUSES
 - K - KITCHEN, DINING ROOM, WAREHOUSE
 - L - SPECIAL TREATMENT
 - M - ADMIN., ADMISSIONS, DENTAL/MEDICAL
 - N - MEADOW CREEK CORRECTIONAL CENTER
 - O - TRADES BUILDING
 - P - UPPER WWTP
 - Q - LOWER WWTP
 - R - TRADES BUILDING



383 Industrial Way Suite 300
Anchorage, AK 99501 (907) 258-8661



Lab Code: 200124-0

Bulk Sample Analysis for Asbestos

ATC Project #: LL06102

Report #: 657735
Report By: R. Briggs
Report Date: 05/13/2019

Client: Dept of Corrections- Facilities Management
550 W 7th Ave, Suite 1800
Anchorage, AK 99501
Billing Number: 24664

Collected By: Client
Collection Date: 05/09/2019
Analysis By: J. Hicklin
Analysis Date: 05/13/2019
Received By: R. Briggs
Received Date: 05/09/2019

TAT: 48 Hour

Sample Count: 1 Layer Count: 4

Project Name/Location: HMCC Roof Replacement

Client ID #	ATC ID#	Location:	Homogenous	Material	Color	Layer
1	AB19-3168A	Walkway 3-4	No	Felt	Silver/Black	1 of 4
		Asbestos Type	Asbestos %		% Asbestos: 25%	
		Chrysotile	25%			
		Other Fibrous Material	Fibrous %		Other Fibrous Materials: 30%	
		Cellulose	30%		Non-Fibrous Materials: 45%	

Client ID #	ATC ID#	Location:	Homogenous	Material	Color	Layer
1	AB19-3168B	Walkway 3-4	No	Tar	Black	2 of 4
		Asbestos: None Detected				
		Other Fibrous Material	Fibrous %		Other Fibrous Materials: TRACE	
		Cellulose	Trace		Non-Fibrous Materials: 100%	

Client ID #	ATC ID#	Location:	Homogenous	Material	Color	Layer
1	AB19-3168C	Walkway 3-4	No	Felt	Black	3 of 4
		Asbestos: None Detected				
		Other Fibrous Material	Fibrous %		Other Fibrous Materials: 25%	
		Fibrous Glass	25%		Non-Fibrous Materials: 75%	



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Bulk Sample Analysis for Asbestos

ATC Project #: LL06102

Report #: 657735
Report By: R. Briggs
Report Date: 05/13/2019

Client ID #	ATC ID#	Location:		
1	AB19-3168D	Walkway 3-4		
Homogenous		Material	Color	Layer
No		Tar	Black	4 of 4
Asbestos: None Detected				
Other Fibrous Material		Fibrous %	Other Fibrous Materials: TRACE	
Cellulose		Trace	Non-Fibrous Materials: 100%	

Joel Hicklin, Laboratory Technical Manager

05/13/2019

Date

05/13/2019

Date

Analysis performed by: EPA Method 600/M4-82-020 or EPA Method 600/R-93/116, at the discretion of the client or ATC. All quantities reported are based on visual estimation by PLM, unless point-counting method is requested and noted for the sample. Test report relates only to items tested and must not be used by client to claim product endorsement by NVLAP or any agency of the U.S. Government. Test reports must not be reproduced without the approval of ATC, and are subject to ATC General Terms and Conditions (available upon request).

LL- 06102

383 Industrial Way Suite 300 Anchorage, AK 99501 (907)258-8861

CHAIN OF CUSTODY

Date: 5/9/19

P.O.# _____

Customer Name: DEPT. OF CORRECTION

Project Name: HVCC ROOF REPLACEMENT Project #:

Billing Address: 550 W 7TH AVE. City: ANCHORAGE State: AK Zip Code: 99501

Phone: 907.269.7358 Cell: ALASKA.GOV

Send report via (choose one): Email: DAN.AICHEL@GMAIL.COM or Fax:

***Only for SAME DAY T.A.T* Verbal (circle one) Y / N If yes, please provide name/contact #: _____**

****By signing for these samples you are responsible for payment. We will not bill someone else on your behalf.****

Samples Relinquished By (please print): TAN MICHAEL Date: 5/3/19 Time: 1205 am/pm

Samples Received By (please print): DB Date: 5.9.17 Time: 1230 am/pm

Samples Analysis Type: PCM PLM TEM LEAD TCLP MOLD Other (specify)

Composite: Y N

Turn-around Time: SAME DAY NEXT DAY 2-DAY 3-DAY 5-DAY

Method of Payment: CHECK CREDIT CARD ACCOUNT

[illegible]

It is the responsibility of the Customer to ensure that samples are correctly taken and packaged. ATC reserves the right to refuse samples for analysis which are obviously unsuitable due to damage, incorrect or insufficient labeling, or incorrect sample loading. ATC will contact the Customer as soon as such a problem is identified and will discuss with the Customer the course of action to be taken.