### **U.S.** Army Reserve – Roof Maintenance Program

#### Introduction

### **Roof Survey Guide Requirements**

<u>Intent</u>: To provide accurate roof data for a Webb-based database system. The gathering of roof data and the subsequent entering of data onto a Webb-based system should be seamless. To insure a clarity of requirements, the following are general guidelines for use of the enclosed forms, along with supporting photo documentation:

#### **General Requirements**

One survey form, consisting of the four pages provided, shall be completed for each roof section.

- 1. An image (photo) of the base/campus sign or site entrance is required to be taken for the database.
- 2. An image (photo) of the front of each facility or its sign is required to be taken.
- 3. Specific information to be obtained from each facility. (Obtain by interview of site personnel).
  - 3.1. Is the facility currently experiencing leaks?
    - 3.1.1. If not, is there any history of leaks?
  - 3.2 Are there any roof areas under warranty?
    - 3.2.1 If so, can a copy of the warranty be obtained?
- 4. An overview image of each roof area is required to be taken. (This image can be taken from a building high point, as long as each individual roof area is included within the overview photo).
- 5. Where cores are taken (except perimeter or flashing cores) photos are required to be taken of each core, on every roof area. Core samples are to be properly repaired with "in kind" materials. Along with each core sample, cores are to be properly bagged and tested for asbestos.
- 6. Obtain a visual verification of interior roof deck. Is slope in deck or in roof insulation?
- 7. A scaled CAD drawing with accurate dimensions is required. If the client/owner has roof plans available, they can be used, but these plans must be verified and updated as required.
- 8. All roof projections are required to be delineated on scaled CAD drawings.
- 9. Roof drain locations must be field measured and delineated on scaled CAD drawings.
- 10. Individual images (photos) of each kind of projection are required to be taken on each roof area. (Construction details).
- 11. Images (photos) are required to be taken of all roofing related defects. (Note location on scaled CAD drawings).

### **RoofPro Inspection Form Inspection Information** Inspection Date: **Inspection Company: Inspector Name:** Client Photo # **Client Name: Facility Name:** Facility Photo # **Roof Section** \_\_\_\_\_ ( Max 6 characters ) Designation: **Roof Overview** Photo # **Roof Name: Summary Page** Height: Size: Est. Replacement Cost \$ Year installed: ( ) Estimated ( ) Known System Type **Built-Up Roof** Built-Up Asphalt Roofing Built-Up Coal Tar Roofing BUR - A BUR - Asphalt BUR - Asphalt + Cap Sheet Cold- Applied Built-Up Asphalt Roofing Conventional BUR - Cold applied Conventional BUR - Hot applied Conventional modified BUR - Hot applied Glass-Fiber-Reinforced Asphalt Emulsion Roofing Coated Foamed Sprayed Polyurethane Foam Roofing Elastomeric-Single-Ply (PIB) Polyisobutylene Roofing ( (CPE) Chorinated-Polyethylene (CSPE) Chlorosulfonate-Polyethylene Roofing (EPDM) Ethylene-Propylene-Diene-Monomer Roofing (PVC) Polyvinyl Chloride (TPO) Thermoplastic Polyolefin Conventional Single ply - Fully adhered Conventional Single ply - Loose laid w/ballast Conventional Single ply - Mechanically attached ( Elastomeric - Single Ply **EPDM** Fluid-Applied Acrylic Coating Roofing ( Elasto-Meric

Elastomeric

nspection Date :	Client :		Facility :	Roof Section : _
Metal Panel Roo	<u>f</u>			
( Batten Seam	Sheet Metal Roofing	(	Corrugated Metal	
( Flat Seam Sh	neet Metal Roofing	(	Formed	
( Formed Meta	al	(	Lap-Seam Metal Roofing	
( Lapped Meta	ıl Panel	(	Metal	
( Metal - Corro	gated	(	Metal Decking	
( Metal Panel I	by Automated Building Machine	(	Metal R Panels	
( Metal-R Pane	el	(	Metal-Trapezoidel	
( Standing Sea	am	(	Standing Seam Metal	
( Standing Sea	am Sheet Metal Roofing	(	Structural Standing Seam	
( Structural Tra	apezoidal Seam	(	Tinplate and Template Roofing	
Modified Bitume	<u>en</u>			
( AP) Modifie	d Bituminous Membrane Roofing	(	( SBS) Modified Bituminous Mem	brane Roofing
( (SBS) Modifie	ed Bitumen	(	Conventional Mod Bit - Cold appli	ied
Conventiona	l Mod Bit - Hot applied	(	Conventional Mod Bit - Hot/Torch	applied
Conventiona	l Mod Bit - Torch applied	(	Mod Bit - SBS	
( Self-Adhering	g Modified Bituminous Membrane Roofir	ng		
Natural Roof Co	vering			
( Sod Roofing		(	Thatched Roofing	
( Vegetated Ro	oofing			
<u>Others</u>				
( Concrete		(	Concrete slab	
( None		(	SPF - Sprayed Polyurethane Foa	m
Protected Memb	<u>orane</u>			
( Built-Up Bitu	minous Protected Membrane Roofing	(	Elastomeric Protected Membrane	Roofing
( Fluid-Applied	Protected Membrane Roofing	(	Hot-Applied Rubberized Asphalt I Roofing	Protected Membrane
( Modified Bitu	ninous Protected Membrane Roofing	(	Thermoplastic Protected Membra	ne Roofing
( Thermoset M	lembrane (EPDM)	(	Vegetated Protected Membrane F	Roofing
Roof Panels				
	oof Panels	(	Fabricated Roof Panels	
( Composite R	oor rancis			
		(	Plastic Roof Panels	

Inspection Date : Client :		Facility :	Roof Section :
Roof Tiles			
( Clay Roof Tiles	(	Concrete Roof Tiles	
( Concrete Tile	(	Metal Roof Tiles	
( Mineral-Fiber Cement Roof Tiles	(	Plastic Roof Tiles	
( Rubber Tiles/Pannels			
Shingles and Shakes			
( Asphalt Shingles	(	Comosition Shingles 3-tab	
( Composite Rubber Shingles	(	Dimensional	
( Metal Shingles	(	Mineral-Fiber Cement Shingles	
( Plastic Shakes	(	Porcelain Enamel Shingles	
( Shingles	(	Slate Shingles	
( Wood Shingles and Shakes			
Thermoplastic-Single-Ply			
( (TPO) Thermoplastic-Polyolefin Roofing	(	(CPA) Copolymer-Alloy Roofing	
( (EIP) Ethylene-Interpolymer Roofing	(	(NPB) Nitrile-Butadiene-Polymer F	Roofing
( (PVC) Polyvinyl-Chloride Roofing			
Interior Sensitivity			
Normal Sensitivity	(	Low Sensitivity	
( High Sensitivity	(	Unknown	
( Normal	, (	Low	
( High			
Condition Index			
( Excellent			
( Very Good			
Good Fair			
( Poor			
( Urgent			
( Critical			
Assessed Service Life Remaining (Years):	_		

Inspe	ection Date :	Client :		Facility :	Roof Section :
Slo	pes				
(	Flat		(	Slight	
) (	Moderate		.\	Steep	
<b>\</b>	1/8" per ft.		(	1/4" per ft.	
(	3/8" per ft.		.` (	1/2" per ft.	
<b>\</b> (	5/8" per ft.		(	3/4" per ft.	
(	7/8" per ft.		. (	1" per ft.	
(	1 in 12		(	2 in 12	
(	3 in 12		(	4 in 12	
(	5 in 12		(	6 in 12	
(	7 in 12		(	8 in 12	
(	9 in 12		(		
(	1.5 in 12		(	2.5 in 12	
(	11 in 12		(	> 2" / ft	
(	< 2" / ft		(	Varies	
(	12 in 12		(	3 1/2 per 12	
(	8 in 12 and 3 in 12		(	6.5 in 12	
(	4 1/2 in 12			Barrel Roof	
(	12:12		(	1 1/2" per ft.	
(	2"/ft		(	Minimal	
(	3.5 in 12		(	1/16 inch per foot	
. (	4/12		(	>1"/ft	
(	1/8"/ft		(	3/12	
(	1/12		(	2/12	
(	None		(	6/12	
(	14/12			3 1/2	
(	1/10" per ft.		(	4" per foot	
'	3" per foot		. (	12" per ft	
'	2" per ft 5" Per Foot		(	8" per ft	
!	Not Known		,	1 1/2" per ft Less than 2"/ft	
`	10" per ft		(	6" per ft	
\ \ \ \ \	2" Per Ft.		;	4" Per Ft.	
(	1/2" Per Ft		(	Positive drainage, slope varies	
(	12" Per Ft.			r comité d'amage, clope vance	

nspection Date	Client : Facility :	Roof Section
	raunty .	1.001 06011011
	<b>Existing Roof System Page</b>	
	Existing Nooi System rage	
	Surfacing	
	Membrane	
	Wellistate	
	Insulation	
	Vapor Retarder	
	Percolating Scrim	
	Tl   D	
	Thermal Barrier	
	Reinforcement	
	Waterproofing	
	Dools	
	Deck	
	Interior Finish	
	Divorce Sheet	
	Base Sheet	
	Dase Sheet	
	Filter	
	Recover Board	
	Page: 5	

# **Existing Roof System Page Cont'd**

Sleeper
Underlayment
Sheathing
Filter Fabric
Metal R Panel
Cap Sheet
Standing Season Matal
Standing Seam Metal
Secondary Roof System
Resatuarant
SPF Sprayed Polyurethane Foam
Concrete Tiles
1/2" Cyncum Board
1/2" Gypsum Board
Shingles
Filler Insulation

# **Existing Roof System Page Cont'd**

Protection Board 1/2"	
Base Insulation	
Coating	
Coating	
Other Comments	

Inspection Date :	Client :	Facility :	Roof Section :
		Warranty Details Warranty Type	
Warranty Expiration		Warranty Type	Issued By
<del> </del>			+
			+
			<b>_</b>
<u> </u>			
			+
	1		
			+
			<b>+</b>
			<u> </u>
			<b>+</b>
			1
	+		<u> </u>
			<b>+</b>
		<u></u>	

inspection Date :	Client :		Facility:		_ Roof Section :
	Building O	utline or Ro	of Section S	Sketch	

ection D	Pate : Client :	racinty.		Roof Section
		Roof - Ton Details		
#	Detail Type and Description	Roof - Top Details Flashing Membrane	Flashing Metal	Photo #
		-	_	
+				+
				+
				+
				1
				1
_				4
_				<del> </del>
				+
				_
				+
-+				+
-+				+
_				+
_				+
-+				-
-+				-
-				+
-				+
				1
$\perp$				<del> </del>
$\perp$				+
+				+
+				+
-		_		
_				+
+				+
+				+
$\dashv$				+
-+				+
-+				+
$\dashv$				+
$\dashv$				+
-+				†
+				†
-+		+		+

Inspection Date :	Client :	Facility :	Roof Section :

# **Existing Roof System Page**

Surfacing
Acrylic coating
Aluminum paint
Asphalt paving
Baked enamel
Concrete
Crushed stone
3/8" gravel
Gravel
Granules
Landscaping
Large crushed stone
Pavers
Precast concrete pavers
Quartz granules
Round river washed stone
Silicone coating
Slag
Slate
Slate granules
White paint
Paint
Urethane coating
EPDM
TPO
Shingles
Prefinished
PVC
Metal
Coating
Elastomeric Coating
Reflective Coating
Ballast
Pavers (interlocking)
Insulated pavers
SBS
Granules and Coated
Granulated Cap Sheet
Aggregate
None
Hypalon Coating

Inspection Date : Client : Facility :	Roof Section :
---------------------------------------	----------------

### Membrane Structural Standing Seam Adhered EPDM Self Adhering Membrane Standing Seam Sheet Metal (Copper) 3 Ply Fiberglass Felt Composit Base Sheet Two Plys Organic Felt Asphalt Shingles 3 Plies Type VI Fiberglass Felt 4 ply coal tar pitch Cap Sheet Mod Bit - SBS - 2 ply BUR - 4 ply Polyester Mod Bit - SBS - 2 ply - Johns Manville Standing Seam Sheet Metal Organic Felt Two Ply Organic Felt Structural Standing Seam Panels SBS Modified - 2 ply Metal - 1 ply Fiber Glass Felt **3-TAB SHINGLES** APP Mod Bit - 2 ply BUR - A Metal - MBCI Metal - Corrogated BUR - A - 4 ply BUR - A - 3 ply Coated EPDM Architectural Standing Seam BUR - Asphalt - 4 ply 3-Ply, F.G., Asphalt Asphalt multi-ply felt 4-ply, fiberglass TPO - Singleply 2-Ply Mod-Bit Hypalon **CPA Membrane** Modified Bitumen Cap Sheet Previous Roof System Metal Panels **Acrylic Coating** Single-Ply Mod Bit Granulated Cap Sheet

nspection Date	-	Client :	Facility:	Roof Section :
ispection bate		Olielit .	i acinty.	NOOL OCCUOIL.

Membrane Continued
ТРО
Copper Roof Panels
Unknown
Roof Panels
SBS Modified - 1 ply
Coated concrete
Mod Bit - 5 ply
EPDM
BUR
Conventional Single Ply PVC
Mod Bit
Fiberglass
BUR - 5 ply
BUR - 4 ply
BUR - 3 ply
BUR - 2 ply
BUR - 1 ply
Mod Bit - 4 ply
Mod Bit - 3 ply
Mod Bit - 2 ply
Mod Bit - 1 ply
Single ply - unreinforced
Single ply - reinforced
Hybrid
Metal
Selvadge edge
Shingles
Slate
Sprayed-in-place foam coating
Tile
Transite Panelling

Insulation
Batt
Cellulose acetate foam
Cellular glass
Coated fibreboard
Cork
Extruded polystyrene - R 5.0
Expanded polystyrene
Fiberboard
1" Fiberboard - R 2.78
1.5" Fiberboard
2" Fiberboard

nspection Date		Client :	Facility:	Roof Section :
nspection bate	•	Cilett.	raciity.	NOOI SECTION .

Insulation Continued
Fiberglass
1" Fiberglass
2" Fiberglass
2.2" Fiberglass
Impregnated fiberboard
Isocyanurate
Lightweight concrete fill
Perlite
Phenolic foam
Polyisocyanurate
Sprayed-in-place foam
Urethane insulation board
Vermiculite & asphalt fill
25/32" High Density Wood Fiber
Perlite 1/2"
Perlite 1"
1 1/2 inch Isocyanurate
Gypsum Board
Unknown
Not known
Isocyanurate 1 1/2"
Perlight 1/2"
1/2" Fiberboard
3" polyisocyanurate
Fiberboard 3/4"
Perlite 3/4"
Perlite/Iso Composite
Tapered Polyisocyanurate
Densdeck
Isocyanurate 2"
Perlite/Iso Composite Board
Extruded Polystyrene
Tapered Fiberboard
Nail base
0.5" Fiberboard
Polystyrene
Urethane foam
3/4" fiberboard
Fiberboard TES
1.5" Combination Board
Vinyl-Faced Fiberglass
Composite Insulation
Nailable Insulation
2" Polyisocyanurate

nspection Date :	Client :	Facility :	Roof Section :

Not Determined Expanded Polystyrene: Foil - Faced Expanded Polystyrene - Tapered Formboard 3" thick isocyanurate 1/2" thick wood fiber 3.5" thick isocyanurate 1/2" thick mineral perlite 3/4" Thick Mineral Perlite 1" perlite 1 1/2 inch Perlite 1 1/2 isocyanurate 1.75" ISO 1/2" perlite 1" isocyanurate Fiber Glass 2 inch perlite 1" wood fiber 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 2.5" Isooyanurate 2.5" Isooyanurate 1.4" Gypsum 2.5" Isooyanurate 2.5" Isooyanurate 2.5" Isooyanurate 1.7" Polyisocyanurate 1.2" Polyisocyanurate 2.5" Isooyanurate 1.2" Polyisocyanurate 2.5" Isooyanurate 2.5" Isooyanurate 1.7" Polyisocyanurate 5" isocyanurate 1.7" Polyisocyanurate 1.7" Polyisocyanurate 1.7" Fiberglass 2.7" Polyisocyanurate 1.7" Polyisocyanurate	Insulation Continued
Expanded Polystyrene - Tapered Formboard 3" thick isocyanurate 1/2" thick wood fiber 3.5" thick isocyanurate 1/2" thick mineral perlite 3/4" Thick Mineral Perlite 1" perlite 1 1/2 inch Perlite 1/2" wood fiber 2 1/2 " Isocyanurate 1.75" ISO 1/2" perlite 1" isocyanurate 5" isocyanurate 5" isocyanurate 5" isocyanurate 1" wood fiber 1.5" ISO 9" Perlite 1" wood fiber 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 2.5" Isocyanurate 1.5" Polyisocyanurate 5" isocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 5" isocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 1.7" Polyisocyanurate 1.7" Polyisocyanurate 1.7" Polyisocyanurate 1.7" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyunrate 2 3/4" Isocyanurate	
Formboard 3" thick isocyanurate 1/2" thick wood fiber 3.5" thick isocyanurate 1/2" thick mineral perlite 3/4" Thick Mineral Perlite 1" perlite 1 1/2 inch Perlite 1 1/2" wood fiber 2 1/2" Isocyanurate 1.75" ISO 1/2" perlite 1" isocyanurate 5" isocyanurate 5" isocyanurate 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 2.5" Isocyanurate 2.5" Isocyanurate 3.1/2" Polyisocyanurate 2.1/2" Polyisocyanurate 3.1/2" Polyisocyanurate 3.1/2" Polyisocyanurate 3.1/2" Polyisocyanurate 3.1/2" Polyisocyanurate	Expanded Polystyrene: Foil - Faced
3" thick isocyanurate 1/2" thick wood fiber 3.5" thick isocyanurate 1/2" thick mineral perlite 3/4" Thick Mineral Perlite 1" perlite 1 1/2 inch Perlite 1 1/2" wood fiber 2 1/2 " Isocyanurate 1.75" ISO 1/2" perlite 1" isocyanurate 1.75" ISO 1/2" perlite 1" isocyanurate Fiber Glass 2 inch perlite 1" wood fiber 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 2.5" Isocyanurate 2.5" Isocyanurate 2.5" Isocyanurate 2.5" Isocyanurate 2.5" Isocyanurate 2.5" Isocyanurate 3.4" Polyisocyanurate 2.5" Isocyanurate 2.5" Isocyanurate 3.7" Polyisocyanurate 2.5" Isocyanurate 3.7" Polyisocyanurate 5" isocyanurate 2.5" Isocyanurate 3.7" Polyisocyanurate 5" isocyanurate 5" isocyanurate 2.5" Isocyanurate	Expanded Polystyrene - Tapered
1/2" thick wood fiber 3.5" thick isocyanurate 1/2" thick mineral perlite 3/4" Thick Mineral Perlite 1" perlite 1 1/2 inch Perlite 1/2" wood fiber 2 1/2 " Isocyanurate 1.75" ISO 1/2" perlite 1" isocyanurate 1" isocyanurate 5" isocyanurate 5" isocyanurate 5" lsO 9" Perlite 1" wood fiber 1.5" ISO 9" Perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 1.5" IsoO None 1 1/2" Polyisocyanurate 2 "Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	
3.5" thick isocyanurate 1/2" thick mineral perlite 3/4" Thick Mineral Perlite 1" perlite 1 1/2 inch Perlite 1.72" wood fiber 2 1/2 " Isocyanurate 1.75" ISO 1/2" perlite 1" isocyanurate Fiber Glass 2 inch perlite 1" wood fiber 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1.5" Iso None 1 1/2" Polyisocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2 1/2" Polyisocyanurate 3 1/2" Polyisocyanurate 5" Iberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate 5 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate 5 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate 5 1/2" Fiberglass 2 1/4" Polyisocyanurate	3" thick isocyanurate
1/2" thick mineral perlite 3/4" Thick Mineral Perlite 1" perlite 1 1/2 inch Perlite 1/2" wood fiber 2 1/2 " Isocyanurate 1.75" ISO 1/2" perlite 1" isocyanurate Fiber Glass 2 inch perlite 1" wood fiber 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" Fiber Glass 2" isocyanurate 3/4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 4.5" Polyisocyanurate 1.5" Isoo None 1 1/2" Polyisocyanurate 2 "Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	1/2" thick wood fiber
3/4" Thick Mineral Perlite  1" perlite  1 1/2 inch Perlite  1/2" wood fiber  2 1/2" lsocyanurate  1.75" ISO  1/2" perlite  1" isocyanurate  Fiber Glass  2 inch perlite  1" wood fiber  1.5" ISO  9" Perlite  3/4" Fiber Glass  2" isocyanurate  3/4" perlite  4" Sprayed Polyurethane Foam  5" Polyisocyanurate  6" Polyisocyanurate  4.5" Polyisocyanurate  1.5" Iso None  1 1/2" Polyisocyanurate  2 "Wood Fiber  1/2" Fiberglass  2 1/2 Perlite  3 1/4" Polyisocyanurate  Fiberboard 1/2"  Fiberglass 1/2"  3 1/4" Polyisocyurate  2 3/4" Isocyanurate  2 3/4" Isocyanurate	3.5" thick isocyanurate
1" perlite 1 1/2 inch Perlite 1/2" wood fiber 2 1/2 " Isocyanurate 1.75" ISO 1/2" perlite 1" isocyanurate Fiber Glass 2 inch perlite 1" wood fiber 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 2.5" Isocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 5" isocyanurate 2.5" Isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	1/2" thick mineral perlite
1 1/2 inch Perlite 1/2" wood fiber 2 1/2 " Isocyanurate 1.75" ISO 1/2" perlite 1" isocyanurate Fiber Glass 2 inch perlite 1" wood fiber 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 4.5" Polyisocyanurate 1.5" Isocyanurate 1.5" Polyisocyanurate 2.5" Isocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 2.5" Isocyanurate 2.5" Isocyanurate 3.4" Polyisocyanurate 5" isocyanurate 1.5" Polyisocyanurate 5" isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2.1" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	3/4" Thick Mineral Perlite
1/2" wood fiber 2 1/2 " Isocyanurate 1.75" ISO 1/2" perlite 1" isocyanurate Fiber Glass 2 inch perlite 1" wood fiber 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 4.5" Polyisocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 2.5" Isocyanurate 2.5" Isocyanurate 2.5" Isocyanurate 2.5" Isoloyanurate 3/4" Polyisocyanurate 5" isocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 5" isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2.1" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	1" perlite
2 1/2 " Isocyanurate 1.75" ISO 1/2" perlite 1" isocyanurate Fiber Glass 2 inch perlite 1" wood fiber 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 6" Polyisocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 2.5" Isocyanurate 1.5" Polyisocyanurate 2.5" Isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate	1 1/2 inch Perlite
1.75" ISO  1/2" perlite  1" isocyanurate Fiber Glass 2 inch perlite  1" wood fiber 1.5" ISO  9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite  4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1.4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 1.5" Polyisocyanurate 2.5" Isocyanurate 2.5" Iso None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate	1/2" wood fiber
1/2" perlite 1" isocyanurate Fiber Glass 2 inch perlite 1" wood fiber 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 6" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 5" isocyanurate 5" isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	2 1/2 " Isocyanurate
1" isocyanurate Fiber Glass 2 inch perlite 1" wood fiber 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 5" isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate	1.75" ISO
1" isocyanurate Fiber Glass 2 inch perlite 1" wood fiber 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 5" isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate	1/2" perlite
2 inch perlite 1" wood fiber 1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 5" isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	
1" wood fiber  1.5" ISO  9" Perlite  3/4" Fiber Glass  2" isocyanurate  3/4" perlite  4" Sprayed Polyurethane Foam  5" Polyisocyanurate  6" Polyisocyanurate  4.5" Polyisocyanurate  1/4" Gypsum  2.5" Isocyanurate  1.5" Polyisocyanurate  5" isocyanurate  2.5" ISO  None  1 1/2" Polyisocyanurate  2" Wood Fiber  1/2" Fiberglass  2 1/2 Perlite  3 1/2" Polyisocyanurate  Fiberboard 1/2"  Fiberglass 1/2"  3 1/4" Polyisocyurate  2 3/4" Isocyanurate	Fiber Glass
1.5" ISO 9" Perlite 3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 5" isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate	2 inch perlite
9" Perlite  3/4" Fiber Glass  2" isocyanurate  3/4" perlite  4" Sprayed Polyurethane Foam  5" Polyisocyanurate  6" Polyisocyanurate  4.5" Polyisocyanurate  1/4" Gypsum  2.5" Isocyanurate  1.5" Polyisocyanurate  5" isocyanurate  2.5" ISO  None  1 1/2" Polyisocyanurate  2" Wood Fiber  1/2" Fiberglass  2 1/2 Perlite  3 1/2" Polyisocyanurate  Fiberboard 1/2"  Fiberglass 1/2"  3 1/4" Polyisocyurate  2 3/4" Isocyanurate	1" wood fiber
3/4" Fiber Glass 2" isocyanurate 3/4" perlite 4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 5" isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	1.5" ISO
2" isocyanurate  3/4" perlite  4" Sprayed Polyurethane Foam  5" Polyisocyanurate  6" Polyisocyanurate  4.5" Polyisocyanurate  1/4" Gypsum  2.5" Isocyanurate  1.5" Polyisocyanurate  5" isocyanurate  2.5" ISO  None  1 1/2" Polyisocyanurate  2" Wood Fiber  1/2" Fiberglass  2 1/2 Perlite  3 1/2" Polyisocyanurate  Fiberboard 1/2"  Fiberglass 1/2"  3 1/4" Polyisocyurate  2 3/4" Isocyanurate	9" Perlite
3/4" perlite  4" Sprayed Polyurethane Foam  5" Polyisocyanurate  6" Polyisocyanurate  4.5" Polyisocyanurate  1/4" Gypsum  2.5" Isocyanurate  1.5" Polyisocyanurate  5" isocyanurate  5" isocyanurate  2.5" ISO  None  1 1/2" Polyisocyanurate  2" Wood Fiber  1/2" Fiberglass  2 1/2 Perlite  3 1/2" Polyisocyanurate  Fiberboard 1/2"  Fiberglass 1/2"  3 1/4" Polyisocyurate  2 3/4" Isocyanurate	3/4" Fiber Glass
4" Sprayed Polyurethane Foam 5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 5" isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	2" isocyanurate
5" Polyisocyanurate 6" Polyisocyanurate 4.5" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 5" isocyanurate 5" isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	3/4" perlite
6" Polyisocyanurate 4.5" Polyisocyanurate 1/4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 5" isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate	4" Sprayed Polyurethane Foam
4.5" Polyisocyanurate  1/4" Gypsum  2.5" Isocyanurate  1.5" Polyisocyanurate  5" isocyanurate  2.5" ISO  None  1 1/2" Polyisocyanurate  2" Wood Fiber  1/2" Fiberglass  2 1/2 Perlite  3 1/2" Polyisocyanurate  Fiberboard 1/2"  Fiberglass 1/2"  3 1/4" Polyisocyurate	5" Polyisocyanurate
1/4" Gypsum 2.5" Isocyanurate 1.5" Polyisocyanurate 5" isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	6" Polyisocyanurate
2.5" Isocyanurate 1.5" Polyisocyanurate 5" isocyanurate 2.5" ISO None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate	4.5" Polyisocyanurate
1.5" Polyisocyanurate  5" isocyanurate  2.5" ISO  None  1 1/2" Polyisocyanurate  2" Wood Fiber  1/2" Fiberglass  2 1/2 Perlite  3 1/2" Polyisocyanurate  Fiberboard 1/2"  Fiberglass 1/2"  3 1/4" Polyisocyurate	1/4" Gypsum
5" isocyanurate 2.5" ISO  None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	2.5" Isocyanurate
2.5" ISO  None  1 1/2" Polyisocyanurate  2" Wood Fiber  1/2" Fiberglass  2 1/2 Perlite  3 1/2" Polyisocyanurate  Fiberboard 1/2"  Fiberglass 1/2"  3 1/4" Polyisocyurate  2 3/4" Isocyanurate	1.5" Polyisocyanurate
None 1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	5" isocyanurate
1 1/2" Polyisocyanurate 2" Wood Fiber 1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	2.5" ISO
2" Wood Fiber  1/2" Fiberglass  2 1/2 Perlite  3 1/2" Polyisocyanurate  Fiberboard 1/2"  Fiberglass 1/2"  3 1/4" Polyisocyurate  2 3/4" Isocyanurate	None
1/2" Fiberglass 2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	1 1/2" Polyisocyanurate
2 1/2 Perlite 3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	2" Wood Fiber
3 1/2" Polyisocyanurate Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	1/2" Fiberglass
Fiberboard 1/2" Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	2 1/2 Perlite
Fiberglass 1/2" 3 1/4" Polyisocyurate 2 3/4" Isocyanurate	3 1/2" Polyisocyanurate
3 1/4" Polyisocyurate 2 3/4" Isocyanurate	Fiberboard 1/2"
2 3/4" Isocyanurate	Fiberglass 1/2"
	3 1/4" Polyisocyurate
1 1/4" Isocyanurate	2 3/4" Isocyanurate
<u> </u>	1 1/4" Isocyanurate

nspection Date :	Client :	Facility:	Roof Section :

### Insulation Continued... 2.75" Polyisocyanurate 2" Urethane 6" Fiberglass Batt Tapered Extruded Polystyrene Fiberboard 1/2" Isocyanurate - tapered 1/4" per foot tapered Polyisocyanrate 2 3/4" Polyisocyanurate 2.5" Polyisocyanurate 7" Expanded Polystyrene 1/4" Per Foot Tapered Isocyanurate 2" Expanded Polystyrene 1.75" Polyisocyanurate 4" Polyisocyanurate **Tapered Perlite** Tapered Isocyanurate 1/2" Gypsum Board 1" Polyisocyanurate 2" Perlite 3 1/2" isocyanurate Nailbase 3" Wood Fiber 1 1/2" Perlite 1/2" Fiberglass Faced Gypsum 3.5" Isocyanurate 1.5" Isocyanurate 3" Isocyanurate 1.8" Isocyanurate Felt Tapered Perlite, Polyisocyanurate Fill 1 1/2" Wood Fiber 4 1/2" Nailbase (Polyisocyanurate) 1.5" Perlite 2.25" Polyisocyanurate 1.25" Polyisocyanurate 3 1/4" Perlite Fiberglass Batt 3" Fiberglass 1/8" per ft Tapered Polyiosocyanurate 2.5" Expanded Polystyrene Tapered Expanded Polysrytene 2"- 4.5" Tapered Expanded Polystyrene 1/2"-6" 1.5" Extruded Polystyrene 2" Extruded Poltstyrene 8" Expanded Polystyrene

Inspection Date :	Client :	Facility :	Roof Section :
mspecijon pale .	Ciletti.	Facility.	ROUI SECTION.

Insulation Continued
1 1/4" Fiberglass
3.5" Polyisocyanurate
2" Foamglass

Vapor retarder
2 Ply Fiberglass Felt
2 Ply Base Sheet
Unknown
BUR Type
2 ply spot mopped
Felt
2 Ply Asphalt
organic felt
bituminous organic felt
bituminous membrane
15 lb Felt
Red Rosin Paper
30# Felt
2-ply Felts
1 ply hot
2 ply hot
3 ply hot
1 ply cold
2 ply cold
3 ply cold
1 ply Mod Bit
2 ply Mod Bit
3 ply Mod Bit
Kraft paper
Foil
#40 Base sheet
Single ply
1 ply laid dry
Hybrid
6 mil polyethelene

# Percolating scrim Fabrene scrim Vinyl coated fiberglass mesh

Thermal barrier
1/2" Gypsum board
5/8" Gypsum board

nspection Date	: Client :	Facility	y:	Roof Section :	

Reinforcement
Fiberglass
Jute membrane
Polyester
Spun fiberglass
Spun polyester
Vinyl coated fiberglass mesh
Woven fiberglass
Woven polyester
Kraft paper

Waterproofing	
Coal tar pitch	
Cold mastic	
Cold emulsion	
Cold resaturant	
Cold restorative coating	
Hot asphalt	
Modified hot asphalt	
Modified coal tar pitch	
Rubberized hot asphalt	
Rubberized coal tar pitch	

Deck
Asbestos cavity
Concrete
Concrete on metal pan
Galvanized metal
Gypsum panels
Metal
Poured concrete
Precast concrete
Plywood
Siporex
Tectum
Vermiculite fill on concrete
Wood
Purlin
Formboard
Poured gypsum over fiberglass forms
Concrete Plank
Painted Metal
Precast Concrete Double-Tee

nspection Date :	Client :	Facility :	Roof Section :

Deck Continued
Precast concrete (channel slabs)
Lightweight insulating concrete fill on metal pan
Structural Wood Fiber
Gypsum concrete
Unknown
Wood/Metal
Perlin
Poured gypsum
Wood Plank
Precase Concrete Panels
Gyp
Light Weight Concrete
22 GA Galvanized
Wood Boards
Concrete & Metal

Interior finish
Liner panels
Stucco
Acoustical tile
Drop ceiling - tile
Exposed deck
Gypsum board
Lay - in acoustical panels
Paint
Plaster
Textured Paint
Sprayed - on asbestos
Sprayed - on fireproofing
Sprayed - on insulation

	Divorce sneet
4 mil polyethylene	·
6 mil polyethylene	
1 ply organic felt	
1 ply glass felt	
Rosin paper	
Red Rosin	

	Base sheet
1 Ply Fiberglass	
2 Ply Fiberglass	
Unknown	

nspection Date :	Client :	Facility:	Roof Section :

Base sheet Continued
1 Ply Base Sheet
28 lb Base Sheet
Mod Bit
Asphaltic base sheet
Inorganic felt
Glass Fiber Felt
2 ply felt
1 ply organic felt
2 ply organic felt
40# coated felt
2.25" Fiberboard - R-6.25
Self-adhering underlayment

Ballast	
Gravel	

Filter	
Filter Fabric	

	Recover board
Gypsum board	

Sleeper	
Wood	

Roof panels
Architectural Standing seam metal roofing
Structural steel roof panels
Corrugated aluminum Panels.
Galvanized Steel Roof Panels
Standing seam metal roofing
Structural Panel (prefinished)
Corrugated Aluminum Panels

Underlayment		
#30 felt		
Felt		
30# Felt		
Rosin Paper		
2 Plies of 15# Felt		
Self Adhering Membrane		

Underlayment Continued
Organic Felt
Unknown
Sheathing
Gypsum Board
Plywood
Filter fabric
Filter fabric
THE TABLE
Roof Coating
Elastomeric
Unknown
Unknown
Metal R Panel
Prefinished Metal
Galvanized
Cap sheet
Mod Bit - 1 ply
Mod bit
Standing Seam Metal
Galvanized
Prefinished
Secondary roof system
BUR-A
EPDM
Resatuarant
Fabric and emulsion

SPF - Sprayed Polyurethane Foam

Sprayed Polyurethane Foam

Inspection Date :\_\_\_\_\_ Client : \_\_\_\_\_ Facility : \_\_\_\_\_ Roof Section : \_\_\_\_

Inspection Date :	Client :	Facility :	Roof Section :

Concrete Tiles	
Spanish	
Flat Profile	

1/2" gypsum board substrate

# Shingles

Heavy Weight Dimensional

# Filler Insulation

Isocyanurate - 1 1/2"

### Protection Board 1/2"

Unknown

Base Insulation
Wood Fiber - 1/2"
Isocyanurate - 2 1/2"
Isocyanurate - 1 3/4"
Isocyanurate - 1.5"
Unknown
Isocyanurate - 1"
Wood Fiber - 3"
Isocyanurate tapered - Tappered
ISO - 1-1/2"

Coating		
Silicone		
Hypalon		
Unknown		
Aluminium Coating		
Elastomeric Membrane		

Inspection Date	:	Client :	Facility:	Roof Section :	