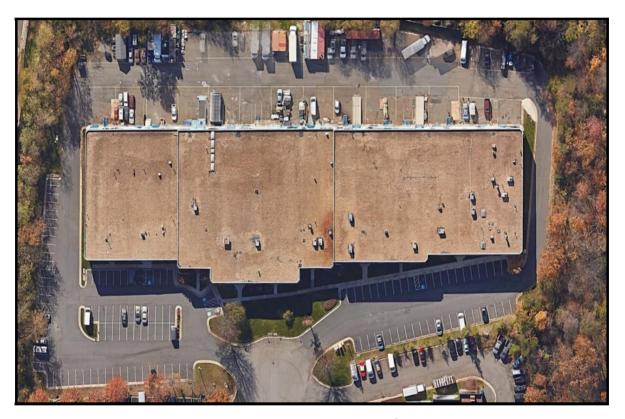


CCMC

8456 Tyco Road, Suite A Vienna, Virginia 22182

Dulles Technical Center



22611 Markey Ct Sterling, VA

8/30/2022

Roof Consulting Services, Inc. 1660 Mountain Road Glen Allen, Virginia 23060



Tel: (804) 515-0885 Fax: (804) 515-0890

(800) 637-7109

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Dulles Technical Center 22611 Markey Ct Sterling, VA

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INTRODUCTION TO REPORT FORMAT

The following condition codes are intended to provide a summary of the overall condition of each roof system.

Below is a listing of the condition codes used and their associated meaning:

ROOF CONDITION CODE	DESCRIPTION
Failed 0-1 Years Remaining Service Life	Removal and replacement of the roof system within the next 12 months is recommended due to the severity of deterioration.
Poor 2-4 Years Remaining Service Life	The roof assembly has surpassed or is nearing the end of its useful service life. Replacement will be required in the near future but can be temporarily postponed with strategic repairs until the frequency of leaks becomes unacceptable to internal operations or on-going repair costs become prohibitive.
Fair 5-7 Years Remaining Service Life	The roof system is serviceable yet requiring repairs and routine maintenance to maintain. Repairs should be implemented in a timely manner to prevent further development.
Good 8 Plus Years Remaining Service Life	Only minor repairs required or early in service life with no repairs required. Repairs should be implemented in a timely manner to prevent further development.

On the Detailed Deficiency Listing page of the report is a Deficiency Priority. It is located on the left hand margin of the page. Each deficiency is given a priority for completing the needed correction, depending on the urgency of the problem. The keys to the priority codes are as follows:

"E" Emergency - Correct immediately - Life Safety or Possibility of Personal Injury is a Major Concern

"C" Critical - Urgent need for immediate repair to avoid imminent failure with risk to life safety or risk of major disruption to operations

"S" Significant - Lack of immediate attention may lead to much higher repair cost or premature failure of roof system within 12 months

"M" Minor - Not an immediate concern, but should be scheduled for repair

"MN" Monitor - Defect should be addressed at time of roof system replacement or reinspected annually for further deterioration that would support reclassification to a higher risk category

"N/A" – Not Applicable - No Corrective Action Required

INTRODUCTION TO REPORT FORMAT

(Cont'd)

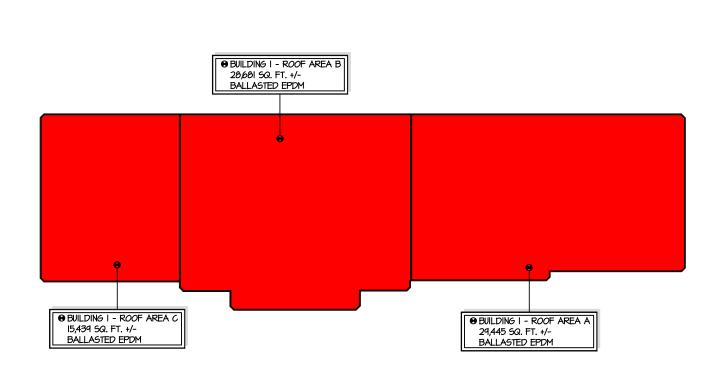
In the event a corrective action is considered routine maintenance for completion sometime with in the next 1-5 years, the following Deficiency Priority Codes will be used.

1 - First Year	Complete within first year
2 - Second Funding Year	Complete during funding year 2
3 - Third Funding Year	Complete during funding year 3
4 - Fourth Funding Year	Complete during funding year 4
5 - Fifth Funding Year	Complete during funding year 5

This information, along with the Summary information, should allow for prioritizing the needs of each roof area and development of a maintenance and capital improvement budget.

Several items have been taken into consideration in establishing anticipated service life and budget estimates.

Service life estimates are based on data obtained through our field survey, historical experience and practical considerations of required repairs and the assumption that routine maintenance procedures, including annual inspections will be followed.



FAILED	POOR	FAIR	GOOD
O-I YEARS REMAINING	2-4 YEARS REMAINING	5-7 YEARS REMAINING	8+ YEARS REMAINING
SERVICE LIFE	SERVICE LIFE	SERVICE LIFE	SERVICE LIFE



PROJECT KEY PLAN
NOT TO SCALE

ROOF CONSULTING SERVICES, INC P.O. BOX 9747 RICHMOND, VIRGINIA 28228

RICHMOND, VIRGINIA 23228

* SURVEYS * SPECIFICATIONS * INSPECTIONS *

Date: 06/30/2022

Project: DULLES TECHNICAL CENTER
Address: 22611 MARKEY CT

STERLING, VA

REVISIONS:
MARK, DATE BY DESCRIPTION

Roof System Condition Evaluation Report

Project Information

Facility Name: Dulles Technical Center 22611 Markey Ct Sterling, VA

Contact: Maria Quigley-skillin

Phone: (703) 448-6900 | Cell: (703) 564-6511

Email: maria@ccmc.ws

Total Roof Area Sq. Ft. (+/-): 73,565

Exterior Wall Type: Masonry

Year Building Built:

Exterior Wall Condition: Fair

Building Use: Office

Exterior Moisture Staining: None Observed







			Roof	Areas S	ummary			
Roof Area Identification	Size (sq/ft)	Roof Type	Year Installed	Remaining Life (Yrs)	Roof Condition Code	Replace Year	Replacement Cost Estimate	Repair Cost Estimate
Bldg 1 - Area A, B & C	73,565	Ballasted EPDM	1987 +/-	0-1 +/-	Failed	2023	\$810,000.00	\$8,250.00
Totals	73,565	Sq Ft					\$810,000.00	\$8,250.00

Project Comments:

On Tuesday, August 30, 2022, a comprehensive visual roof inspection was completed on Dulles Technical Center located at 22611 Markey Ct, Sterling, VA. The purpose of this inspection was document observed roof system deficiencies, determine the overall condition of the existing roof systems and to estimate the remaining service life of the in-place roof assemblies.

The building / roof areas inspected have been designated as Bldg 1 - Area A, B & C. Roof areas on the same building with similar roof system compositions and remaining service life expectancies have been grouped together for reporting purposes.

The installed roofing consists of the following roof system types that are in the overall condition as listed below:

- Bldg 1 - Area A, B & C - Ballasted EPDM - Failed - 0-1 +/- years of remaining service life - Repair Cost: \$8,250.00

For repairs on all roof areas, we have estimated a total repair cost of \$8,250.00. This repair cost estimate is based on all recommended repairs being completed under a single work order. In the event only selective items are repaired, then the estimated cost is subject to an increase in overall repair cost.

Please reference the Roof Area Information, Detailed Deficiency Listing, Photograph Documentation and Roof Plan drawing sections of this report for the detailed information pertaining to our findings and recommendations for corrective action.

Roof Area Information For:

Dulles Technical Center 22611 Markey Ct Sterling, VA

	Roof Syst	em Dat	ta	
Area Name: Bldg 1 - Area A, B & C	Year Installed:	1987 +/-	Active Leaks:	None Reported
Size Sq. Ft. (+/-): 73,565	Remaining Service Life (Years):	0-1 +/-	Leak History:	Unknown
Roof Elevation: 28' +/-	Average Roof System R Value:	17.32	Leak Sensitivity:	Normal
Roofing Contractor:	Guarante	e Info:		Roof System:
Company: Unknown	Guarantee (Y/N): Unknown		Roof System Type:	Ballasted EPDM
Contact: Unknown	Manufacturer: Carlisle		Roof Membrane Type:	45 Mil EPDM
Phone: Unknown	Guarantee Term: Unknown		Membrane Condition:	Failed
	Guarantee Number: Unknown		Roof SurfacingType:	Ballast
	Expiration Date: Unknown		Recovery System:	No
Roof Deck and	Vapor	r Retarder:		Maintenance Items:
Support Structure:			Mechanical Damage	: None Observed
Deck Type: Painted Metal	Type: N/A		Chemical Exposure	: None Observed
Deck Thickness: 22 Gauge +/-	Location: N/A		Roof Traffic	: Yes - Service
Roof Truss Type: Steel Bar Joist	Attachment: N/A		Debris	: None Observed
Truss Height: 32"	Condition: N/A			
Truss Span: Varies	Relative N/A			
Truss Spacing: 8' o.c.	Humidity:			
Dans Flackings		Devine	tou Tourse	on atmatica and Occasión o
Base Flashings: Flashing Type: EPDM	Gravel Stop T		eter Types:	enetrations: Quantity: Soil Stacks: 16
Height: 7" - 18" +/-	Gravel Stop Condi		Ev	thaust Units: 🗹 5
Coated: No	Parapet Wall T			ndard Curbs: 🗹 16
Cant Strip Type: N/A	Parapet Wall Condi			pe Supports: 0
Condition: Poor	Wall Coping T		,	Pitch Pans: 🗹 9
Securement: Adhered & Mechan				Roof Hatch:
Counter Flashing				Hot Stacks: ✓ 20
	Matal Caming Matagial T		d Metal	Skylights: 🗹 7
Reglet Joint: ☐ Surface Mou Thru Wall: ☐ Term Bar: ✓	щ. —			moke Hatch:
	Expansion Joint T	•		Other: 🗸 52
CF Metal Type: Aluminum	Expansion Joint Condi			_ <u></u>
				0 111
Drainage:	Item:	Size:		antity: Condition:
Drainage: Fair	Roof Drains: 🗸	4" - 6"	PVC	15 Fair / Poor
Slope: 1/4" - 1' +/-	Scuppers:	N/A	N/A	N/A N/A
Ponding Water: No	Gutters:	N/A	N/A	N/A N/A
Drainage Comments: No ponding water during this inspec		N/A	N/A	N/A N/A

Roof Area Information For:

Dulles Technical Center 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

Performed: Membrane:	No	Membrane:	N/A	Required: Membrane:	No	Moisture Survey Completed: No Results: N/A - Ballasted System		
Flashing:	No	Flashing:	N/A	Flashing:	No	Number of Anomalies:	N/A	
Repairs:	No	Repairs:	N/A	Repairs:	No	% of Wet Roof Area:	N/A	
Other:	No	Other:	N/A	Other:	No	Total Sq. Ft. of Wet Roof Area:	N/A	Sq.

1100. 0	otom composition			
Layer No	Layer Type	Thickness	Attachment	Condition
1	Painted Metal	22 Gauge +/-	Spot Welded	Good at Test Cut
2	EPS - (Expanded Polystyrene Insulation)	4.5 Inch	Loose Laid	Fair
3	EPDM Single Ply Membrane	45 Mil	Ballasted	Failed
4	Ballast Stone Surfacing	Varies	Loose Laid	Fair
	<u> </u>	·		<u> </u>

Roof Condition Code:	Failed
Pasammandation	Danlasamar

Recommendation: Replacement

Replacement Year: 2023

Replacement Cost (+/-): \$810,000.00

Deficiencies Repair Cost: \$8,250.00

Budget Notes:

The budget estimate does not include pricing for asbestos or lead abatement, if required, or for any unforeseen conditions that may exist. Deficiency repair costs are based on all work being completed under one work order.

Roof Area Comments:

Bldg 1 - Area A, B & C

The existing roof system is a Ballasted 45 mil EPDM over 4.5 inch expanded polystyrene insulation (EPS) installed over a painted metal deck. Drainage is facilitated by 15 interior roof drains. No information pertaining to the date of installation, roof system manufacturer or any warranty that may be in effect was provided by the Owner for these roof areas. However, we did observe a stamp on the roof membrane indicating the roof membrane was manufactured by Carlisle.

No infrared moisture survey was performed on these roof areas due to the stone ballast in place over the roof membrane. An interior inspection was performed and no active leak areas were reported during this inspection.

The overall condition of these roof areas is considered Failed. The Failed condition is based on the extent of deficient conditions observed. Sixteen (16) types of deficient conditions were observed during the course of

Roof Area Information For:

Dulles Technical Center 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

this investigation. A comprehensive list of these deficient conditions can be found in the Detailed Deficiency Listing section of this report. With the current overall condition of the existing roof system considered Failed, corrections to the noted deficiencies has been limited to open conditions that are directly related to active leak areas or conditions that we feel could develop into leak areas within the next 12 months. It should also be anticipated that additional repairs may be required to stop additional leak conditions that may develop prior to the roof system replacement being completed. The roof system has surpassed its useful service life and should be budgeted for replacement within the next 12 months.

The roof replacement budget estimate is based on removal and disposal of the existing stone ballast, disabling the existing single ply membrane as required by the new roof system manufacturer, installation of minimal thickness (1/2 inch) high density polyisocyanurate insulation installed over the existing insulation and a new mechanically attached 60 mil single ply roof system incorporating a manufacturer 15 or 20 year watertight warranty.

Note: For budgeting purposes, we have added \$.50 per square foot of roof area for removal and disposal of the stone ballast to provide adequate funding for the roof system replacement.

Detailed Deficiency Listing For:

Dulles Technical Center

22611 Markey Ct - Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

Deficiency Priority Codes:

Current Year Priorities

Future Year Maintenance 1 - First Year Funding

N/A - Not Applicable No Correction Action

Required

E - Emergency C -Critical

M - Minor

MN - Monitor

2 - Second Year Funding S - Significant

3 - Third Year Funding

4 - Fourth Year Funding

5 - Fifth Year Funding

Inspection Date: 8/30/2022 Inspectors: Robert R Pennington

NUMBER	PRIORITY	DEFICIENCY DESCRIPTION	QUANTITY	UNIT	REPAIR
	CODE	DEFICIENCY SOLUTION	UNITS	PRICE	COST
1	MN	Bridging of base flashing	702		
		Monitor and address as needed to maintain a watertight condition until roof system replacement	LnFt		
2	М	Open membrane seam / flashing lap	20	\$150.00	\$3,000.00
		Properly clean, prime and overlay the affected seam with a EPDM cover strip with all cut edges sealed with EPDM lap sealant	Locations		
3	MN	Improper detailing - Pitch pocket or similar detailing needed for penetration flashing	2		
		Monitor and address at time of roof system replacement or as needed to maintain watertight integrity	Locations		
4	М	Improper repair detail - fastener through flashing membrane	3	\$150.00	\$450.00
		Remove fastener, cover with an EPDM patch centered over fastener head or hole to extend 2 inches past on all sides and caulk edges with lap sealant	Locations		
5	MN	Improper flashing detail at penetration	7		
		Monitor and address at time of roof system replacement or as needed to maintain watertight integrity	Locations		
6	MN	Rust developing on metal component	15		
		Monitor and address at time of roof system replacement or as needed to maintain watertight integrity	Locations		
7	М	Deteriorated pipe penetration flashing	7	\$175.00	\$1,225.00
		Flash pipe penetration with compatible materials to provide a watertight condition	Locations		

Detailed Deficiency Listing For:

Dulles Technical Center

22611 Markey Ct - Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

Deficiency Priority Codes:

Current Year Priorities

Future Year Maintenance 1 - First Year Funding

N/A - Not Applicable No Correction Action

Required

E - Emergency C -Critical S - Significant

M - Minor

MN - Monitor

2 - Second Year Funding

3 - Third Year Funding

4 - Fourth Year Funding

5 - Fifth Year Funding

Inspectio	n Date: <u>8/3</u>	0/2022 Inspectors: Robert B. Pennington			
NUMBER	PRIORITY	DEFICIENCY DESCRIPTION	QUANTITY	UNIT	REPAIR
	CODE	DEFICIENCY SOLUTION	UNITS	PRICE	COST
8	М	Hole in flashing	2	\$125.00	\$250.00
		Properly clean and prime the affected area - apply pressure sensitive EPDM membrane centered over the hole to provide a watertight condition - seal the edge of repair membrane with EPDM lap sealant	Locations		
9	MN	Deteriorated conduit cover	1		
		Address at time of roof system replacement or as needed to maintain watertight integrity	Location		
10	М	Missing drain bowl clamping ring	2	\$250.00	\$500.00
		Install new drain clamping ring of appropriate size and material for existing drain bowl with fasteners installed at all provided locations	Locations		
11	MN	Membrane exhibiting various signs of deterioration - cracking & splitting	1		
		Monitor and address at time of roof system replacement or as needed to maintain watertight integrity	Typical		
12	М	Open masonry control joint	11	\$25.00	\$275.00
		Rake joint clean and install new foam backer rod as needed and then reseal joint with industrial grade polyurethane sealant	LnFt		
13	М	Loose termination bar	1	\$50.00	\$50.00
		Remove loose fasteners as required and re-secure with fasteners of sufficient length and diameter to secure termination bar- seal top of bar with industrial grade polyurethane sealant	Location		
14	MN	Dissimilar materials used for repair to EPDM membrane	10		
		Monitor and address at time of roof system replacement or as needed to maintain watertight integrity	Locations		

Detailed Deficiency Listing For: Dulles Technical Center

22611 Markey Ct - Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

Deficiency Priority Codes:

Current Year Priorities

Future Year Maintenance 1 - First Year Funding

N/A - Not Applicable

E - Emergency C -Critical S - Significant

M - Minor

MN - Monitor

2 - Second Year Funding

3 - Third Year Funding

4 - Fourth Year Funding

5 - Fifth Year Funding

No Correction Action Required

Inspection Date: 8/30/2022

Inspectors: Robert B. Pennington

NUMBER	PRIORITY CODE	DEFICIENCY DESCRIPTION DEFICIENCY SOLUTION	QUANTITY UNITS	UNIT PRICE	REPAIR COST
15	MN	Deteriorating / peeling paint on metal coping	1,549		
		Monitor and address at time of roof system replacement or as needed to maintain watertight integrity	LnFt		
16	М	Missing termination bar	100	\$25.00	\$2,500.00
		At missing location, install termination bar at edge of flashing and fasten 6" o.c. with fasteners appropriate for substrate - seal top edge of termination bar and fastener heads with industrial grade polyurethane sealant	LnFt		

Grand Total

\$8,250.00

Priority Code Totals:

Minor

\$8,250.00

TEST CUT / PROBE INFORMATION FOR:

Dulles Technical Center Roof Area - Bldg 1 - Area A, B & C

Inspection Date: 8/30/2022

TEST CUT /	1
PROBE NUMBER	
Test Cut	4" x 4"
Size	
Troxler	N/A
Reading	
Infra-red	N/A
Reading	
Delmhorst	Dry
Reading	
Deck	Good
Condition	
Vapor	N/A
Retarder	
Condition	
Insulation	Fair
Condition	
Membrane	Failed
Condition	

Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

1. Building exterior front elevation overview



2. Building exterior front elevation overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

3. Building exterior front elevation overview



4. Building exterior front elevation overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

5. Building exterior front & side elevation overview



6. Building exterior rear elevation overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

7. Building exterior rear elevation overview



8. Building exterior side elevation overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

9. View of underside of roof deck at building interior



10. View of underside of roof deck at building interior



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

11. Bldg 1 - Area A roof system overview



12. Bldg 1 - Area A roof system overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

13. Bldg 1 - Area A roof system overview



14. Bldg 1 - Area A roof system overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

15. Bldg 1 - Area A roof system overview



16. Bldg 1 - Area A roof system overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

17. Bldg 1 - Area A roof system overview



18. Bldg 1 - Area A roof system overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

19. Bldg 1 - Area A roof system overview



20. Bldg 1 - Area B roof system overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

21. Bldg 1 - Area B roof system overview



22. Bldg 1 - Area B roof system overview

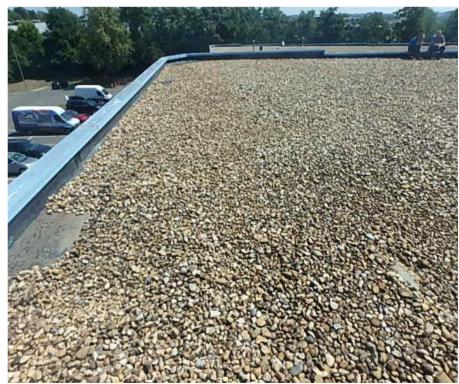


Dulles Technical Center - 22611 Markey Ct Sterling, VA

23. Bldg 1 - Area B roof system overview



24. Bldg 1 - Area B roof system overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

25. Bldg 1 - Area B roof system overview



26. Bldg 1 - Area B roof system overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

27. Bldg 1 - Area B roof system overview



28. Bldg 1 - Area B roof system overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

29. Bldg 1 - Area B roof system overview



30. Bldg 1 - Area B roof system overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

31. Bldg 1 - Area C roof system overview



32. Bldg 1 - Area C roof system overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

33. Bldg 1 - Area C roof system overview



34. Bldg 1 - Area C roof system overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

35. Bldg 1 - Area C roof system overview



36. Bldg 1 - Area C roof system overview



Dulles Technical Center - 22611 Markey Ct Sterling, VA

37. Bldg 1 - Area C roof system overview



38. Deficiency #1 - Bridging of base flashing



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

39. Deficiency #1 - Bridging of base flashing



40. Deficiency #2 - Open membrane seam / flashing lap



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

41. Deficiency #2 - Open membrane seam / flashing lap



42. Deficiency #3 - Improper detailing - Pitch pocket or similar detailing needed for penetration flashing



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

43. Deficiency #4 - Improper repair detail - fastener through flashing membrane



44. Deficiency #4 - Improper repair detail - fastener through flashing membrane



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

45. Deficiency #5 - Improper flashing detail at penetration



46. Deficiency #5 - Improper flashing detail at penetration



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

47. Deficiency #6 - Rust developing on metal component



48. Deficiency #6 - Rust developing on metal component



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

49. Deficiency #7 - Deteriorated pipe penetration flashing



50. Deficiency #7 - Deteriorated pipe penetration flashing



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

51. Deficiency #8 - Hole in flashing



52. Deficiency #8 - Hole in flashing



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

53. Deficiency #9 - Deteriorated conduit cover



54. Deficiency #10 - Missing drain bowl clamping ring



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

55. Deficiency #10 - Missing drain bowl clamping ring



56. Deficiency #11 - Membrane exhibiting various signs of deterioration - cracking & splitting



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

57. Deficiency #12 - Open masonry control joint



58. Deficiency #12 - Open masonry control joint



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

59. Deficiency #13 - Loose termination bar



60. Deficiency #14 - Dissimilar materials used for repair to EPDM membrane



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

61. Deficiency #14 - Dissimilar materials used for repair to EPDM membrane



62. Deficiency #15 - Deteriorating / peeling paint on metal coping

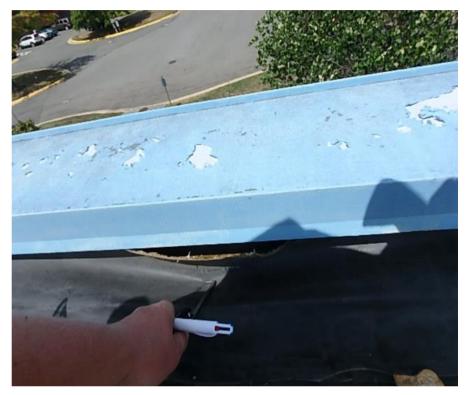


Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

63. Deficiency #15 - Deteriorating / peeling paint on metal coping

Deficiency #16 - Missing termination bar



64. Deficiency #16 - Missing termination bar



Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

65. View of roof core on Bldg 1 - Area C with roof membrane removed exposing insulation



66. Probe #1 - Delmhorst moisture meter reading negative for insulation moisture on Bldg 1 - Area C



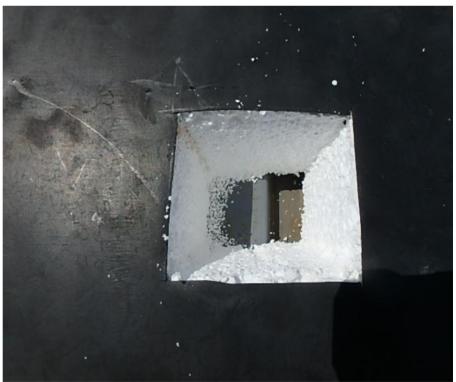
Dulles Technical Center - 22611 Markey Ct Sterling, VA

Roof Area - Bldg 1 - Area A, B & C

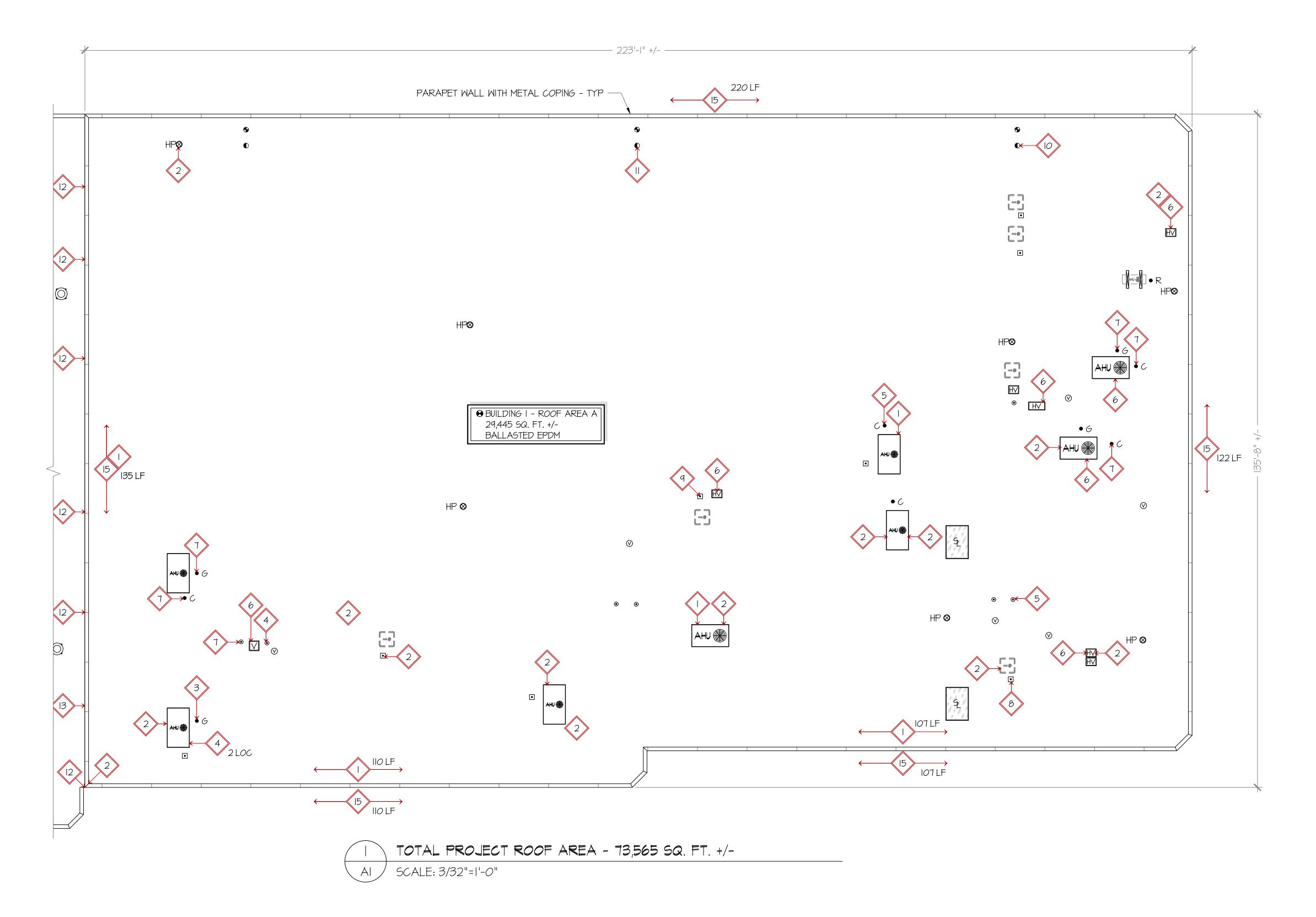
67. View of roof insulation measurement on Bldg 1 - Area C

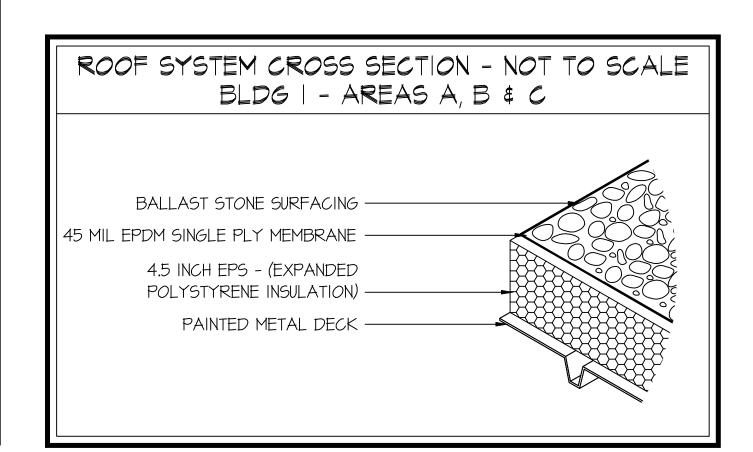


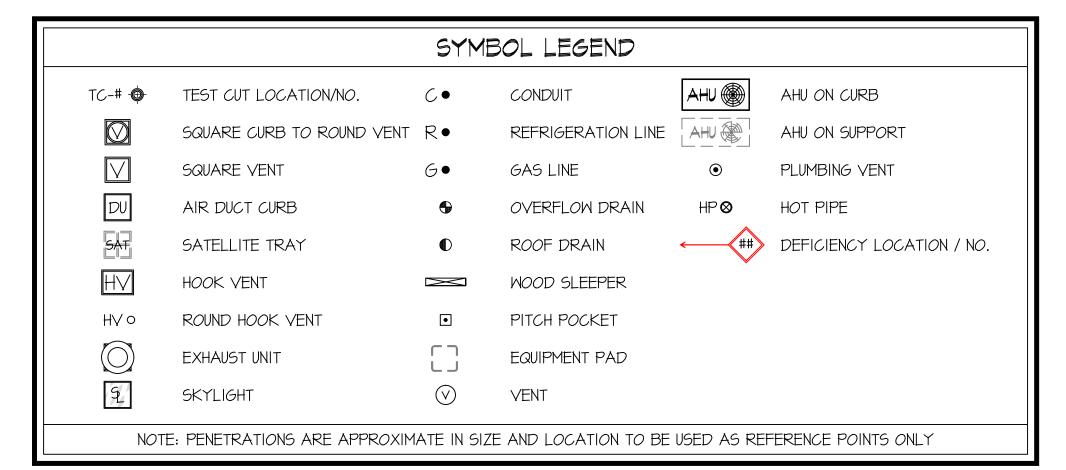
68. View of roof composition removed on Bldg 1 - Area C exposing a painted metal deck

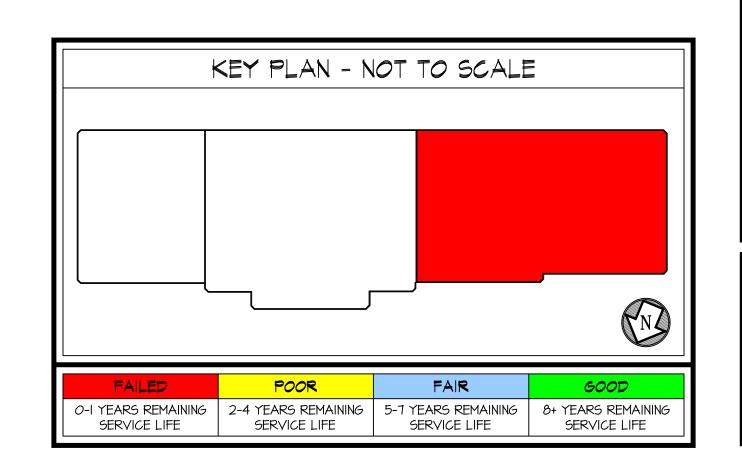












ROOF CONSULTING SERVICES, INC
P.O. BOX 9747
RICHMOND, VIRGINIA 23228

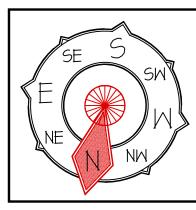
* SURVEYS * SPECIFICATIONS * INSPECTIONS *

DATE:
08/30/2022

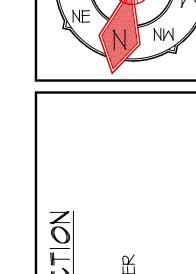
DRAWN BY:
C.W.T.

SCALE:
3/32"=1'-0"

CHECKED BY:



J.R.L.G.



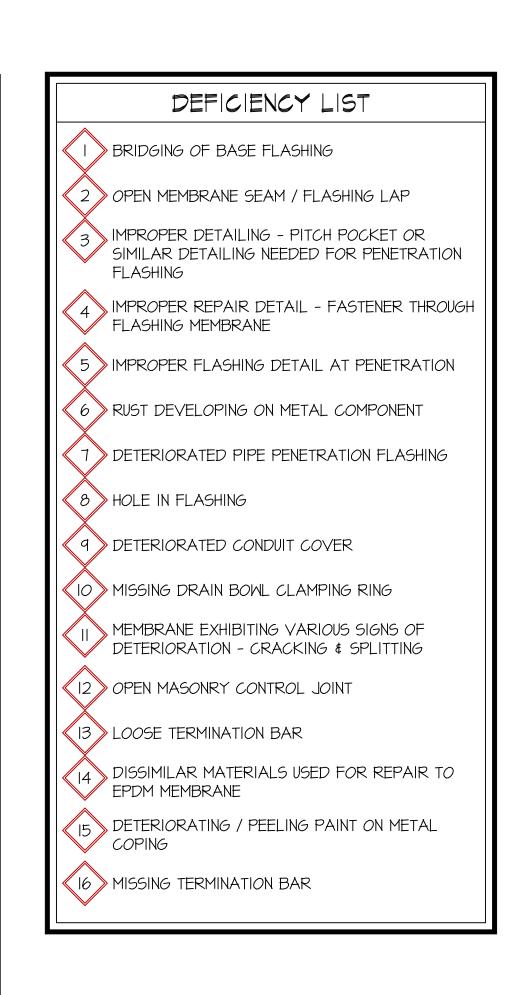
VISUAL INSPECTION

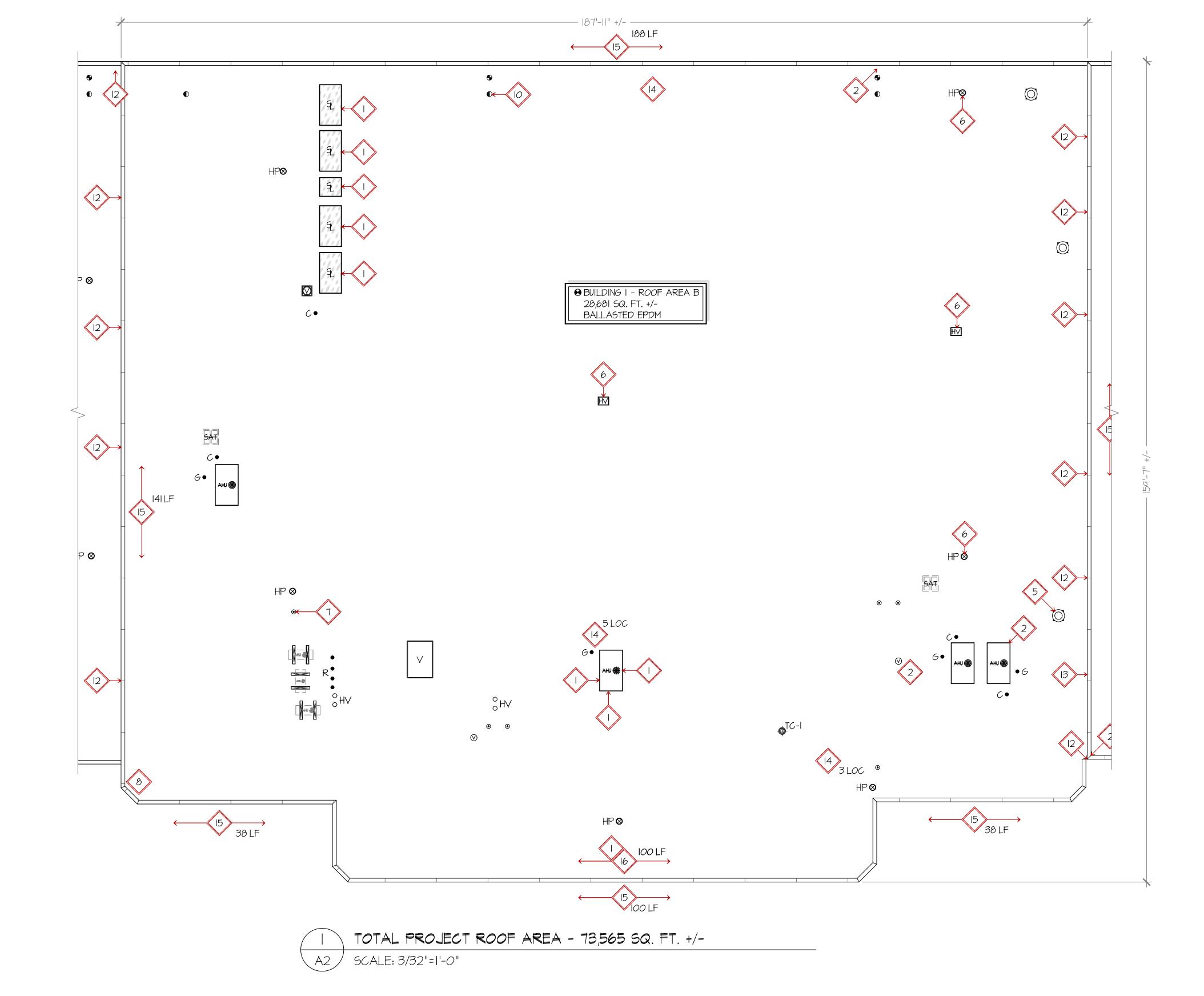
LLIENT: CCMC

ROJECT: DULLES TECHNICAL CENTER

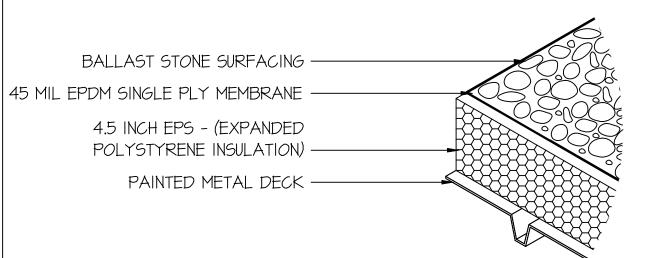
ADDRESS: 22611 MARKEY CT

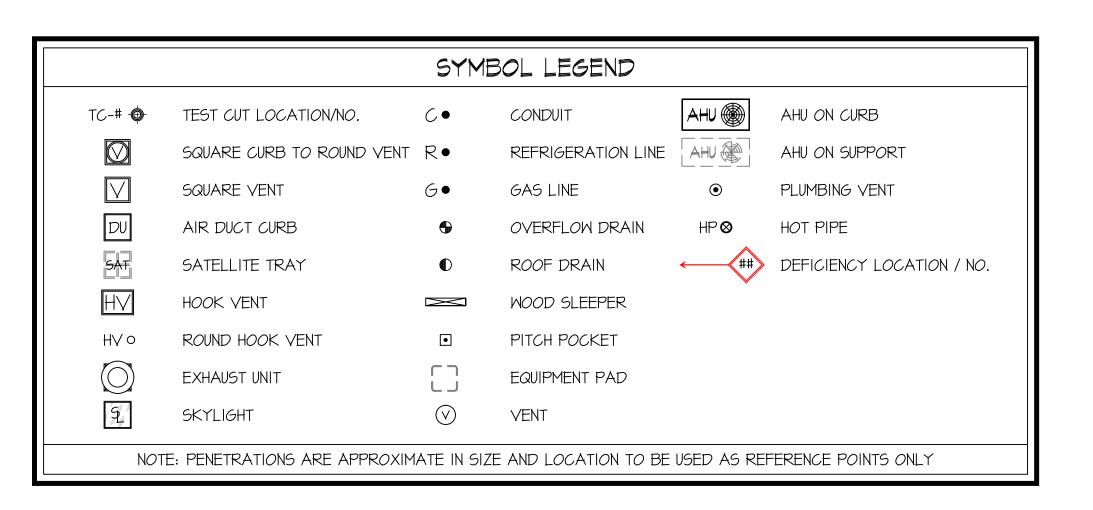


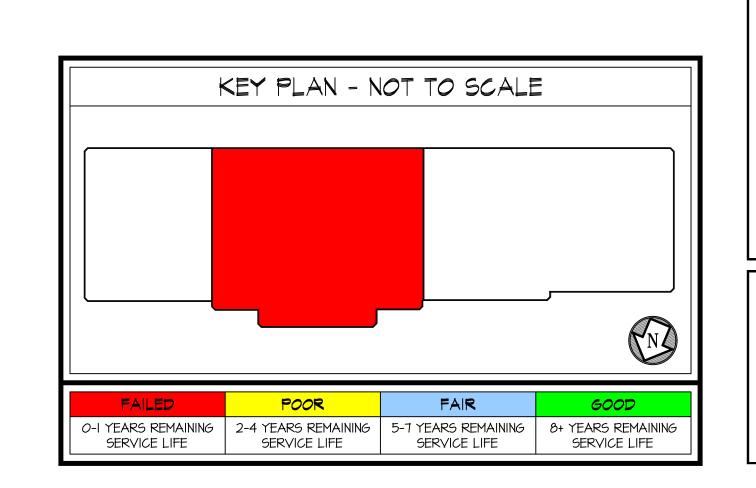












ROOF CONSULTING SERVICES, INC P.O. BOX 9747 RICHMOND, VIRGINIA 23228

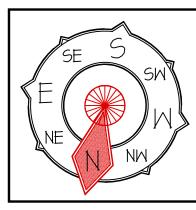
(804) 5|5-0885

DATE:
08/30/2022

DRAWN BY:
C.W.T.

SCALE:
3/32"=1'-0"

CHECKED BY:
J.R.L.G.



NE NW

VISUAL INSPECTION

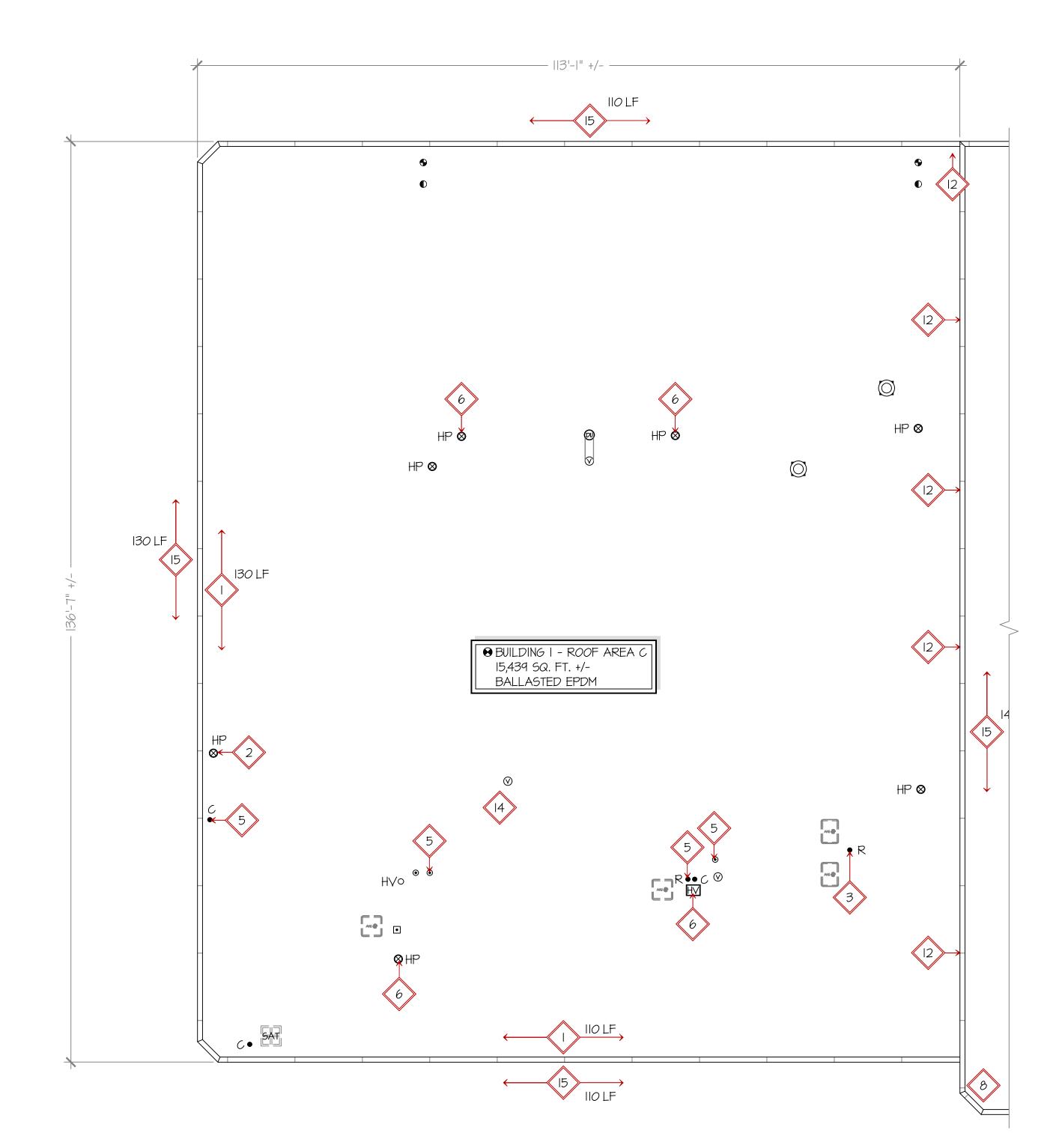
CLIENT: CCMC

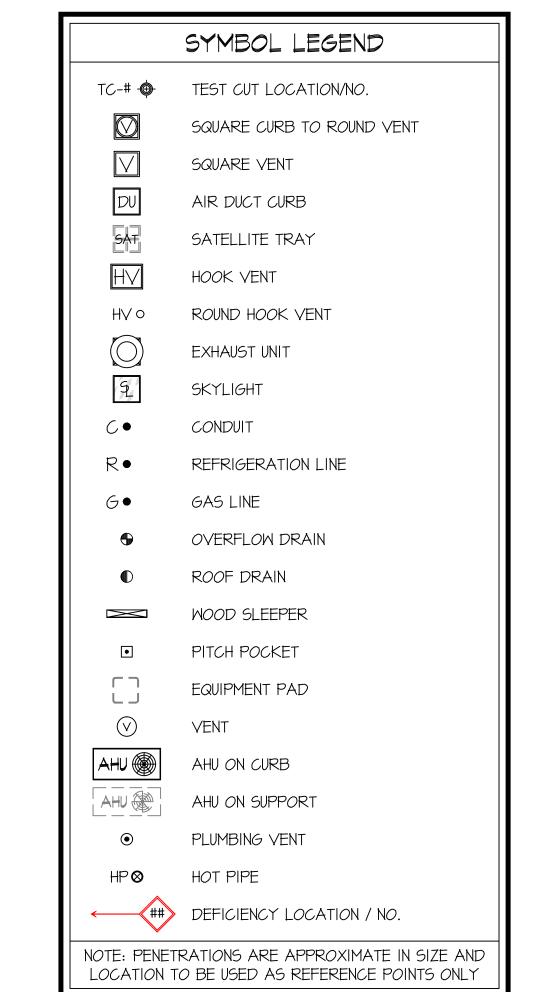
PROJECT: DULLES TECHNICAL CENTER

ADDRESS: 22611 MARKEY CT









KEY PLAN - NOT TO SCALE

O-I YEARS REMAINING 2-4 YEARS REMAINING

SERVICE LIFE

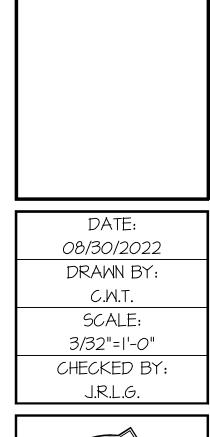
SERVICE LIFE

FAIR

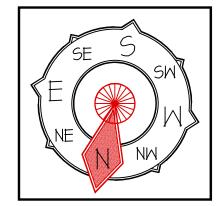
SERVICE LIFE

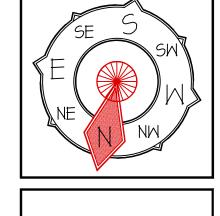
5-7 YEARS REMAINING 8+ YEARS REMAINING

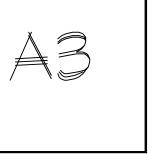
SERVICE LIFE

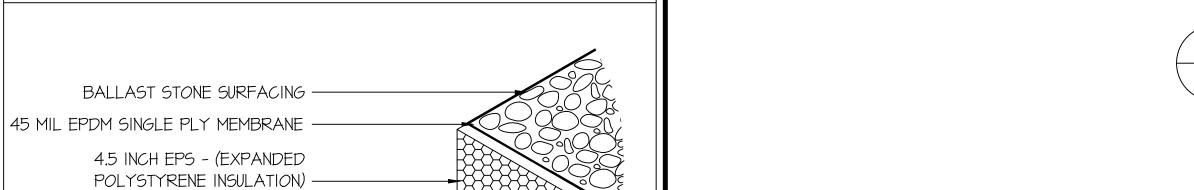


(804) 515-0885









ROOF SYSTEM CROSS SECTION - NOT TO SCALE

BLDG | - AREAS A, B & C

PAINTED METAL DECK -

