



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Department of Corrections
DIVISION OF ADMINISTRATIVE SERVICES
Anchorage Procurement Office

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Anchorage, Alaska 99501-3569
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Issue Date: September 24, 2018

ATTN: Vendors

RE: Project Name: Statewide Roof Replacement Design & Contract
Services
Project Number: 20-19-02
Project Location: Statewide
RFP Opening Date and Time: September 27, 2018 @ 2:00 PM local time

Addendum # TWO (2)

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.

1. The copy of the Wildwood Correctional Complex roof investigation report that was included in addendum #1 was missing a page. Please see attached complete investigation report.

End of Addendum #2

Sincerely,

A blue ink signature of Evan Patterson.

Evan Patterson
Procurement Officer

cc: Scott Nichols, Project Manager, DOC
Dan Aicher, Facilities Manager, DOC

ROOF INVESTIGATION REPORT
WILDWOOD CORRECTIONAL CENTER
BUILDING 8 ROOF REPLACEMENT

Kenai, Alaska



SHARED VISION. UNIFIED APPROACH.

January 2014

Prepared for:

State of Alaska DOT&PF
Statewide Facilities
2200 East 42nd Avenue
Anchorage, Alaska 99508

Prepared by:

USKH Inc.
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Fairbanks, AK 99701-4714
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USKH WO# 1318805

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Appendix A Field Report
Appendix B Cost Estimate
Appendix C Drawings



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1 SUMMARY

USKH Inc (USKH) was contracted by the Department of Transportation and Public Facilities, Statewide Public Facilities (DOT&PF) to investigate the existing roof at Building 8 of the Wildwood Correctional Center. Building 8 was originally constructed in 1953, and based on site investigations, has received several additions of asphalt roofing plies to extend to life of the roof. In addition to replacing the roof system, the Department of Corrections (DOC) would like to consider adding a canopy over the loading dock of Building 8.

This report contains USKH's findings and recommendations, which have been based on our site investigations, review of existing as-builts, structural analysis, construction cost estimate, and roofing system constructability.

2 EXISTING ROOF CONDITIONS

USKH's Mark Bennett, CDT, performed the field investigations on December 11, 2013, accompanied by Scott Nichols and Dan Aicher of DOC. The field investigation process involved taking as-built measurements, visually inspecting the parapets and roof drains to verify the roofing system, and interviewing maintenance personnel regarding snow handling and building performance. Rain Proof Roofing assisted by performing cuts of the roof assembly to verify roofing system composition and visually inspected the condition of the materials.

2.1 Existing Roof System

Based on visual verification of the roof cuts, the roofing system has been identified as follows, in order from top to bottom:

- BUR Assembly, multiple plies, up to 1-1/2" thick in areas
- 2" cork insulation
- BUR Vapor retarder
- 6" concrete roof deck

The materials comprising the roofing system at Building 8 indicate that the assembly is likely original construction, with multiple additional plies added over the years to achieve what is now a 50 year performance life. The roofing materials tested negative for asbestos. Both the primary Roof A, and the smaller Roof B are constructed in the same manner.

2.2 Existing Drainage System

The Building 8 Roof A is drained internally. This means the roof drains are approximately located mid span of the structure. The concrete roof deck is flat and there are no tapers or crickets in the insulation to direct water toward the drains. There are two primary roof drains, however, there are no overflow drains or scuppers, which are now required by code.

~~The internal rain leaders and conductors appear to have been replaced relatively recently, as they are constructed of ABS.~~ Each of the two rain leaders elbow toward the nearest internal building column and then elbow again down to run through the floor slab. Per the as-builts, the ceiling system is composed of cement asbestos board.

Roof B, however, lacks a roof drain, and instead allows water to shed by flowing over the parapets.

Having either overflow roof drains or scuppers is now required by code and will need to be added during this roof replacement project. Due to design load constraints, overflow scuppers will be problematic, as they require the roof to hold more water than overflow roof drains would. This weight difference will exceed the live load capacity of the roof, therefore, overflow roof drains will be pursued, one for each of the two primary roof drains.

2.3 Canopies

A loading dock runs the entire length of the east side of Building 8. The DOC desires a canopy over the garage door and exterior stairs at the south end of the loading dock that would protect the distance from the face of the building to a trailer being unloaded. Due to main vehicle entry gate limitations, the tallest reasonable size trailer to be designed around would be 11 feet above the loading dock.

A schematic design has been developed using steel columns and beams braced back to the face of the building. The canopy can be drained internally, and then tied back inside the building to the existing rain leaders, or scuppered to a downspout that would discharge at the face of the loading dock.

3 STRUCTURAL CONSIDERATIONS

As part of a due diligence effort in approaching a roof replacement project, the structural capacity of the building was assessed and found to be lacking in the area of live load capacity. The ground snow load per Table 1608.2 of the 2009 IBC is 70 pounds per square foot for Kenai, AK.

It is believed that the building has survived some significant snow events due to the minimal insulation value of the roof. This melts and drains the snow, thereby reducing the load. Increasing the R-value in the roof will result in additional snow accumulation as less will melt from conductive heat loss through the roof, thus contributing to an increased load on the roof.

USKH recommends implementing a snow removal program that removes accumulations from the roof when the snow load exceeds 35 psf, or approximately 18 inches deep.

4 RECOMMENDATIONS

4.1 Roof Replacement



Based on the Project Kickoff Teleconference, the preferred roofing system to be pursued is a 60 mil **ethylene propylene diene monomer** (EPDM) membrane with R-40 average insulation. This will be tapered one quarter inch per foot toward the primary roof drains. Due to the thicker insulation and the added depth created by the tapered layer, new parapet walls and flashing details will be developed to properly terminate the EPDM roofing membrane. Roof B will be over framed and shingled to shed to the west.

4.2 Rain Leader System

Code requires that overflow capacity be provided 2 inches above the primary roof drains. When one quarter inch per foot tapered insulation is added around the primary roof drains, it will become



necessary to provide overflow roof drains within proximity to each existing roof drain. These drains will be run separately until they can tie into a vertical rain conductor. Additionally, all roof drains and rain leaders should be wrapped in pipe insulation with an integral vapor retarder to control condensation on the pipes.

Appendix A

Field Report

TO:	Ronald Searcy, Contract Manager State of Alaska DOT & Public Facilities Scott Nichols, Facilities Manager State of Alaska Department of Corrections		DATE:	11 Dec 13	JOB NO.:	1318805
			PROJECT:	Wildwood Correctional Center Building 8 Roof Replacement Project		
			LOCATION:	Kenai, AK		
AT SITE:	Scott Nichols, DOC Dan Aicher, DOC 2 Roofers, Rain Proof		CONTRACTOR: Rain Proof Roofing			
			WEATHER Sunny, Cold	TEMP	20° at	10:00 AM
				TEMP	° at	PM

- 1) Site visit and inspection conducted on 11 Dec. Arrived at Wildwood Correctional Center @ 0930 and checked in through the security office.
- 2) Performed basic walk-around of the site. Discussed ideas for the loading dock canopy to be added over the roll-up door into the warehouse.
- 3) Climbed up to the main roof and observed Rain Proof Roofing cutting the existing BUR assembly for Core Cut #1. Took photos of the Core Cut and mechanical equipment. Bagged and identified the core sample for analysis. Also bagged a sample of mastic/sealant from the existing ductwork for analysis. Owner indicated the gooseneck mechanical vent and boiler stack penetrations can be demolished since a new high-efficiency boiler system was recently installed. We confirmed the demolition requirement while in the boiler room. See attached photos.
- 4) Climbed up to the Mechanical Room located on the back of the main building. Observed an existing condenser unit and ventilator that are to be demolished. Condenser unit may be removed by in-house workforce, while the ventilator will be removed under this contract. Observed Rain Proof Roofing cutting the existing BUR assembly for Core Cut #2. Noted the 3" fiberboard was extremely wet. Took photos of the Core Cut and mechanical equipment. Bagged and identified the core sample for analysis. All roof deck penetrations that are removed will be framed-in prior to re-roofing. Discussed ideas for a new roof system installed onto the Mechanical Room roof. The leading candidate is a shed type roof with shingles. Will discuss with Structural Dept on the necessary design.
- 5) Walked through the interior space to verify various penetrations and roof drain locations.
- 6) Discussed the initial design to introduce overflow drains into the existing roof drain system. The owner indicated he would prefer scuppers to overflow drains to match Bldg 7. Will verify the requirements and constraints for scuppers.
- 7) Looked at the Loading Dock area at the roll-up door location to receive a proposed canopy. We discussed a few configurations for the roof and how to shed the snow and ice away from pedestrian traffic. Will discuss with Structural Dept on the necessary design.
- 8) Left the site @ 1230.

SIGNED:	Mark Bennett	PAGE	1 OF 1
COPIES TO:	File		

- | | | | |
|--|---|--|--|
| <ul style="list-style-type: none"> ■ 2515 A Street □ 544 4th Avenue, Suite 102 □ 3017 Clinton Drive, Suite 201 □ 351 W. Parks Highway, Suite 200 □ 621 W. Mallon, Suite 309 □ 2376 Main Street, Suite 2 □ 5 North Colville Street | <ul style="list-style-type: none"> • Anchorage, Alaska 99503 • Fairbanks, Alaska 99701 • Juneau, Alaska 99801 • Wasilla, Alaska 99654 • Spokane, Washington 99201 • Ferndale, Washington 98248 • Walla Walla, Washington 99362 | <ul style="list-style-type: none"> • Phone (907) 276-4245 • Phone (907) 452-2128 • Phone (907) 790-2901 • Phone (907) 376-7815 • Phone (509) 328-5139 • Phone (360) 312-1815 • Phone (509) 522-4843 | <ul style="list-style-type: none"> • Fax (907) 258-4653 • Fax (907) 452-4225 • Fax (907) 790-3901 • Fax (907) 376-7819 • Fax (509) 328-0423 • Fax (360) 312-0124 • Fax (509) 522-1902 |
|--|---|--|--|



Photo 1: **Wildwood Bldg 8 Main Roof - Mechanical Penetrations**



Photo 2: **Wildwood Bldg 8 Main Roof - Mechanical Penetrations**



Photo 3: **Wildwood Bldg 8 Main Roof - Core Cut #1**



Photo 4: **Wildwood Bldg 8 Main Roof - Typical VTR Penetration**



Photo 5: **Wildwood Bldg 8 Main Roof - Typical Roof Drain**

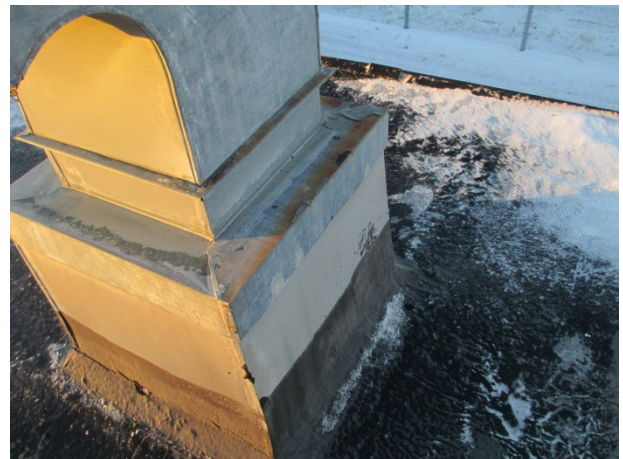


Photo 6: **Wildwood Bldg 8 Main Roof - Mech Penetration & Curb from Boiler Room Below to be Removed**



Photo 7: **Wildwood Bldg 8 Roof B Below – Mechanical Ventilator & Condenser Unit to be Removed**



Photo 8: **Wildwood Bldg 8 – Roof B @ Mechanical Room**



Photo 9: **Wildwood Bldg 8 – Existing Boilers to Remain Intact**



Photo 10: **Wildwood Bldg 8 – Old Boiler Stack Penetration to be Removed & Framed-in**



Photo 11: **Wildwood Bldg 8 – Old Mechanical Duct Penetration to be Removed & Framed-in**



Photo 12: **Wildwood Bldg 8 – Typical VTR Penetration to Remain (Sizes Vary)**



Photo 13: Wildwood Bldg 8 – Roof B @ Mechanical Room Core Cut #2 Prep w/ Ventilator to be Removed



Photo 14: Wildwood Bldg 8 – Roof B @ Mechanical Room Core Cut #2 Disassembly



Photo 15: Wildwood Bldg 8 – Roof B @ Mechanical Room Core Cut #2 Disassembly



Photo 16: Wildwood Bldg 8 – Roof B @ Mechanical Room Core Cut #2 Disassembly



Photo 17: Wildwood Bldg 8 – Roof B @ Mechanical Room Core Cut #2 With Deck Exposed



Photo 18: Wildwood Bldg 8 – Mechanical Room Entrance w/ Condenser Above to be Removed



Photo 19: **Wildwood Bldg 8 – Mechanical Room Equipment to Remain Intact**



Photo 20: **Wildwood Bldg 8 – Mechanical Room Equipment to Remain Intact**



Photo 21: **Wildwood Bldg 8 – Mechanical Room Louver Assembly to Remain Intact**



Photo 22: **Wildwood Bldg 8 – Mechanical Room w/ Access Hole to Ventilator to be Removed**



Photo 23: **Wildwood Bldg 8 – Access Hole to Ventilator to be Framed-in**



Photo 24: **Wildwood Bldg 8 – Access Hole to Ventilator to be Framed-in**



Photo 25: **Wildwood Bldg 8 – Location of Proposed Canopy @ South End of Loading Dock**



Photo 26: **Wildwood Bldg 8 – Personnel Door @ North End of Loading Dock**



Photo 27: **Wildwood Bldg 8 – Location of Proposed Canopy @ South End of Loading Dock**



Photo 28: **Wildwood Bldg 8 – View of Existing Roof Drain**



Photo 29: **Wildwood Bldg 8 – View of Existing Roof Drain**



Photo 30: **Wildwood Bldg 8 – View of Existing Enstar Gas Co. Remote Sensor to be Moved by Others**

Appendix B

Cost Estimate

DOT&PF Statewide Public Facilities		USKH	
Wildwood Correctional Center Building 8		544 4th Avenue, Suite 102	
Roof Replacement Project		Fairbanks, Alaska 99701	
35% Schematic Design Cost Estimate		USKH WO#: 1318805	
January 3, 2014		Building Area 6,633 SF	
Line	Description	Total	Cost/SF
1	Division 1 - General Requirements	\$28,850.00	\$4.35
2	Division 2 - Sitework	\$30,597.61	\$4.61
3	Division 3 - Concrete	\$0.00	\$0.00
4	Division 4 - Masonry	\$0.00	\$0.00
5	Division 5 - Metals	\$7,331.44	\$1.11
6	Division 6 - Wood and Plastics	\$11,295.28	\$1.70
7	Division 7 - Thermal & Moisture Protection	\$175,622.24	\$26.48
8	Division 8 - Doors and Windows	\$0.00	\$0.00
9	Division 9 - Finishes	\$0.00	\$0.00
10	Division 10 - Specialties	\$0.00	\$0.00
11	Division 11 - Equipment	\$0.00	\$0.00
12	Division 12 - Furnishings	\$0.00	\$0.00
13	Division 13 - Special Construction	\$0.00	\$0.00
14	Division 14 - Conveying Systems	\$0.00	\$0.00
15	Division 15 - Mechanical	\$0.00	\$0.00
16	Division 16 - Electrical	\$0.00	\$0.00
17	Subtotal Divisions 1 - 16	\$253,696.57	\$38.25
18	Overhead, Bonding & Profit @ 20%	\$50,739.31	
19	Subtotal	\$304,435.88	
20	Estimating Contingency @ 10.0%	\$30,443.59	
21	Total Divisions 1 - 16	\$334,879.47	\$50.49
22	Escalation [Note 2]	\$3,906.93	
23	Total Base Estimate	\$338,786.40	\$51.08

Notes

- 1 Estimate is for conventional design/bid/build delivery method construction costs only, and does not include cost for design,
- 2 Estimate assumes construction beginning in spring of 2014. Escalation factored at 3.5% per year to mid-point of construction, with final completion in Summer 2014. Total 4 months to mid-point of
- 3 Estimate assumes prevailing wage rates as published by the Alaska Department of Labor.

DOT&PF Statewide Public Facilities					USKH	
Wildwood Correctional Center Building 8					544 4th Avenue, Suite 102	
Roof Replacement Project					Fairbanks, Alaska 99701	
35% Schematic Design Cost Estimate					USKH	WO#: 1318805
January 3, 2014					Building Area 6633 SF	
Line	Description	Quantity	Unit	Rate	Total	Notes
1	Division 1 - General Requirements					
2	Mob/Demob, General	1.00	Allowance	\$12,700.00	\$12,700.00	
3	Superintendent	0.50	Months	\$12,000.00	\$6,000.00	
4	General Foreman	0.50	Months	\$5,000.00	\$2,500.00	
5	Pick-up	0.50	Months	\$1,400.00	\$700.00	
6	Forklift	0.50	Months	\$3,600.00	\$1,800.00	
7	Safety	1.00	LS	\$5,150.00	\$5,150.00	
8	Division 1 Total				\$28,850.00	\$4.35
9	Division 2 - Sitework					
10	Roof Demolition	6633.0	SF	\$3.33	\$22,087.89	
11	Selective Demolition	1.0	LS	\$4,160.00	\$4,160.00	
12	Asbestos Abatement	1.0	LS	\$1,500.00	\$1,500.00	
13	Debris hauling and disposal	14.9	Tons	\$191.00	\$2,849.72	
14	Division 2 Total				\$30,597.61	\$4.61
15	Division 3 - Concrete					
16	Not used					
17	Division 3 Total				\$0.00	\$0.00
18	Division 4 - Masonry					
19	Not used					
20	Division 4 Total				\$0.00	\$0.00
21	Division 5 - Metals					
22	Canopy	1.0	LS	\$3,700.00	\$3,700.00	
23	HSS 6x6x.25	998.0	LB	\$0.78	\$778.44	
24	6" Channel	850.0	LB	\$0.78	\$663.00	
25	12" Channel	500.0	LB	\$0.78	\$390.00	
26	Coating	1.0	LS	\$1,500.00	\$1,500.00	
27	1.5" Galv Decking	12.0	SF	\$25.00	\$300.00	
28	Division 5 Total				\$7,331.44	\$1.11
29	Division 6 - Wood and Plastics					
30	PT 2 x	2400.0	BF	\$1.29	\$3,096.00	
31	Cedar Bevel	332.0	LF	\$1.96	\$650.72	
32	1/2" PT plywood	35.0	Each	\$38.97	\$1,363.95	
33	SS Fastners	1.0	LS	\$1,215.00	\$1,215.00	
34	5/8 Ply	9.0	Each	\$23.45	\$211.05	
35	3/4 Ply	8.0	Each	\$27.32	\$218.56	
36	trusses	8.0	Each	\$105.00	\$840.00	
37	Truss Assemblby	1.0	LS	\$3,700.00	\$3,700.00	
38	Division 6 Total				\$11,295.28	\$1.70

DOT&PF Statewide Public Facilities					USKH	
Wildwood Correctional Center Building 8					544 4th Avenue, Suite 102	
Roof Replacement Project					Fairbanks, Alaska 99701	
35% Schematic Design Cost Estimate					USKH	WO#: 1318805
January 3, 2014					Building Area 6633 SF	
Line	Description	Quantity	Unit	Rate	Total	Notes
39	Division 7 - Thermal & Moisture Protection					
40	Type II EPS	86229.0	BF	\$0.71	\$61,222.59	
41	8" Fiberglass Batt Insulation	1029.0	SF	\$0.68	\$699.72	
42	Adhesives	1.0	LS	\$5,860.00	\$5,860.00	
43	2 Ply	6633.0	SF	\$4.32	\$28,654.56	
44	Asphalt	3685.0	LB	\$1.20	\$4,422.00	
45	EPDM	6633.0	SF	\$2.63	\$17,444.79	
46	Self-Adhering Membrane	1350.0	SF	\$0.68	\$918.00	
47	1/2" Glass Sheathing	216.0	Each	\$101.00	\$21,816.00	
48	Parapet	346.0	LF	\$53.00	\$18,338.00	
49	Coping	346.0	LF	\$34.29	\$11,864.34	
50	Facia	719.0	SF	\$0.96	\$690.24	
51	Sealant	1.0	LS	\$3,500.00	\$3,500.00	
52	Asphalt Shingles	2.0	SQ	\$96.00	\$192.00	
53	Division 7 Total				\$175,622.24	\$26.48
54	Division 8 - Doors and Windows					
55	Not used					
56	Division 8 Total				\$0.00	\$0.00
57	Division 9 - Finishes					
58	Not used					
59	Division 9 Total				\$0.00	\$0.00
60	Division 10 - Specialties					
61	Not used					
62	Division 10 Total				\$0.00	\$0.00
63	Division 11 - Equipment					
64	Not used					
65	Division 11 Total				\$0.00	\$0.00
66	Division 12 - Furnishings					
67	Not used					
68	Division 12 Total				\$0.00	\$0.00
69	Division 13 - Special Construction					
70	Not used					
71	Division 13 Total				\$0.00	\$0.00
72	Division 14 - Conveying Systems					
73	Not used					
74	Division 14 Total				\$0.00	\$0.00
75	Division 15 - Mechanical					
76	Not used					
77	Division 15 Total				\$0.00	\$0.00
78	Division 16 - Electrical					
79	Not used					
86	Division 16 Total				\$0.00	\$0.00
87	Subtotal Divisions 1 - 16				\$253,696.57	\$38.25
88	Overhead, Bonding & Profit @ 20%				\$50,739.31	
89	Subtotal				\$304,435.88	
90	Estimating Contingency @ 15.0%				\$45,665.38	
91	Total Divisions 1 - 16				\$350,101.27	\$52.78
Notes:						

Appendix C

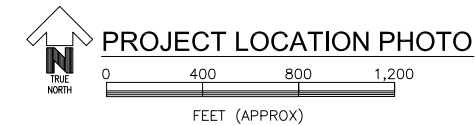
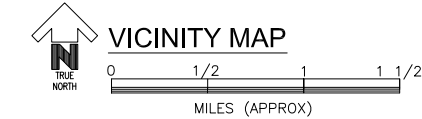
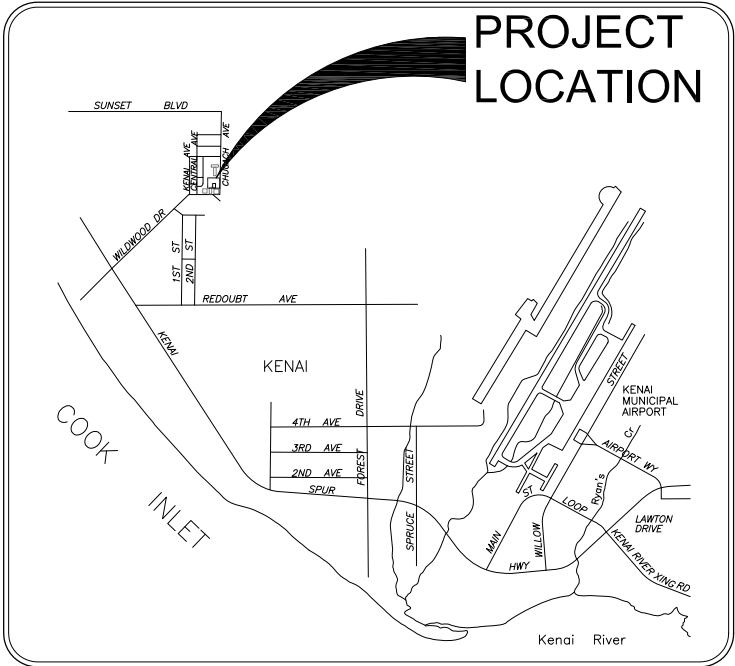
Drawings



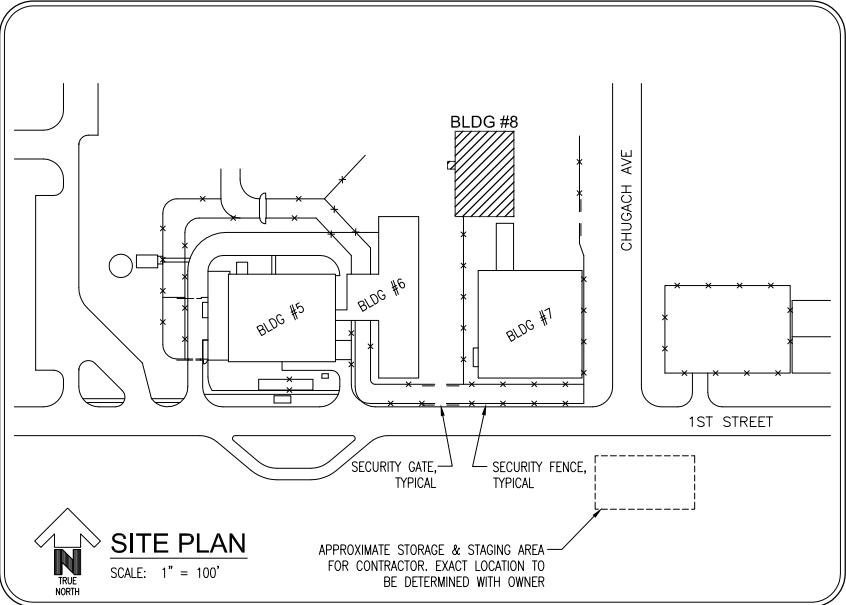
WILDWOOD CORRECTIONAL CENTER BUILDING 8 ROOF REPLACEMENT

State of Alaska
DOT & PF Statewide Public Facilities

35% DESIGN
NOT FOR
CONSTRUCTION



PROJECT LOCATION Building 8



DRAWING INDEX

ARCHITECTURAL

G1.1	TITLE & INFORMATION SHEET
P1.1	REFERENCE PLAN & PHOTOGRAPHS
P1.2	REFERENCE PLAN & PHOTOGRAPHS
A1.0	ROOF SAMPLES, CORE CUTS, CONST. HISTORY, AND CODE STUDY
A1.1	ROOF PLANS - DEMOLITION & NEW WORK
A1.2	FLOOR PLANS - NEW WORK
A8.1	ROOF DETAILS - DEMOLITION & NEW WORK

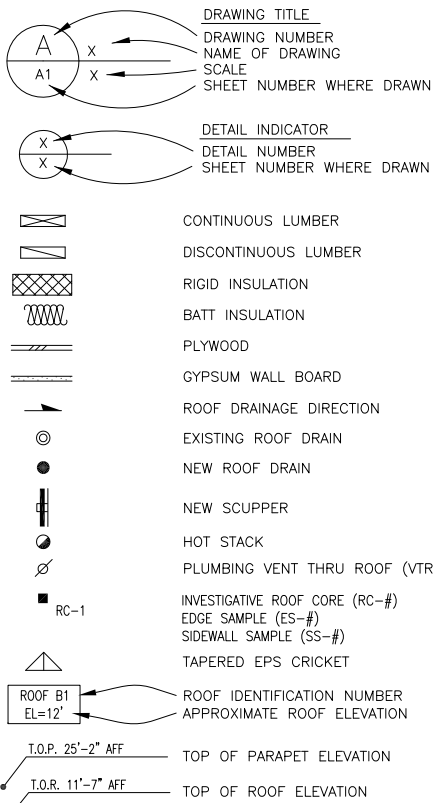
BASIC PROJECT DESCRIPTION

REMOVE AND REPLACE APPROXIMATELY 6,000 SQ FT OF EXISTING BUILT-UP ROOF (BUR) ASSEMBLY OVER RIGID INSULATION, OVER THE EXISTING 6" FLAT-SLAB CONCRETE DECK. NEW ROOFING SYSTEM TO BE A FULLY ADHERED EPDM MEMBRANE OVER AN INSULATED ASSEMBLY DESCRIBED IN OTHER PLANS AND DETAILS.

SPECIAL CONDITIONS

- CONTRACTOR CAN UTILIZE POWER AND WATER AT THE SITE AT NO COST.
- CONTRACTOR TO PROVIDE PORTABLE TOILET(S).
- REMOVE AND REINSTALL ELECTRICAL CONDUIT AND DUCT WORK PER APPLICABLE CODE REQUIREMENTS AND PER DRAWINGS.
- COORDINATE ANY BUILDING EQUIPMENT SHUTDOWNS WITH THE OWNER'S REPRESENTATIVE.

SYMBOLS



GENERAL NOTES

- ALL DETAILS ARE TO BE CONSIDERED TYPICAL. SIMILAR DETAILS OCCUR AT SIMILAR LOCATIONS.
- EXISTING CONDITIONS ARE SHOWN AS ACCURATELY AS POSSIBLE. SITE VERIFY ALL INFORMATION NOTED IN THESE CONTRACT DOCUMENTS. INFORMATION SHOWN ON THE DRAWINGS, RELATED TO THE EXISTING BUILDING AND STRUCTURE, HAS BEEN ASSUMED FROM THE RECORD DRAWINGS PROVIDED BY THE DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, AND MAY NOT BE CORRECT. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING DEMOLITION AND CONSTRUCTION.
- THE "NATIONAL ROOFING CONTRACTOR'S ASSOCIATION (NRCA) ROOFING & WATERPROOFING MANUAL" AND THE "SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION, INC." (SMACNA) ARCHITECTURAL SHEET METAL MANUAL ARE USED AS THE BASIS FOR DESIGN AND IS TO BE USED BY THE CONTRACTOR AS A BASIS FOR CONSTRUCTION, UNLESS OTHERWISE NOTED.
- NO SILICONE SEALANT IS TO BE USED ON THIS PROJECT WITHOUT APPROVAL. USE ONLY APPROVED POLYURETHANE SEALANT.
- IF DECAYED WOOD OR STEEL IS FOUND, INFORM THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES, ELECTRICAL EQUIPMENT AND WIRING BEFORE PROCEEDING WITH ANY WORK.
- CLEANING DURING CONSTRUCTION: CONTROL ACCUMULATION OF WASTE MATERIALS AND RUBBISH. DISPOSE OF WASTE OFF-SITE ON A DAILY BASIS. KEEP AREAS FREE OF HAZARDS AND RUBBISH.
- CONTRACTOR TO WORK ON ONLY THAT PORTION OF THE ROOFING THAT CAN BE MADE WATERPROOF AND WEATHERTIGHT THAT SAME DAY.
- COORDINATE REMOVAL OF ANY TV AND RADIO COMMUNICATION EQUIPMENT WITH OWNER. NO EQUIPMENT SHALL BE REMOVED WITHOUT PRIOR APPROVAL OF OWNER.
- BUILDINGS MAY BE OCCUPIED DURING REROOF WORK. COORDINATE ALL WORK SO AS TO NOT INTERRUPT OCCUPANCY REQUIREMENTS.
- ELECTRICAL WORK TO COMPLY WITH THE LATEST VERSION OF THE NATIONAL ELECTRIC CODE (N.E.C.).
- CONTRACTOR SHALL REPAIR ALL SURFACES, ASSEMBLIES, FINISHES, ETC. TO MATCH ADJACENT FINISHES TO LIKE NEW CONDITION.

ACCESS & STAGING NOTES:

- MAINTAIN ALL SITE, BUILDING PERSONNEL AND VEHICLE ENTRIES FREE FROM OBSTRUCTIONS AT ALL TIMES.
- PARKING AND STAGING AREAS TO BE COORDINATED WITH OWNER'S REPRESENTATIVE.
- MAINTAIN MINIMUM 20' WIDE CLEARANCE IN FIRE LANES AT ALL TIMES.
- MATERIAL AND EQUIPMENT STAGING AREA TO BE COORDINATED WITH OWNER'S REPRESENTATIVE.
- CONTRACTOR TO BE RESPONSIBLE FOR TEMPORARY FENCING AND MATERIAL STORED ON SITE, AND SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE ON THE STAGING AREA.
- SECURE ALL CONSTRUCTION AND DEMO'D MATERIAL FROM WIND DISPLACEMENT.
- NOISE PRODUCING WORK - COMPLY WITH MOA NOISE ORDINANCE AMC 15.70.
- COORDINATE WITH USER TO ACCOMMODATE ANY SPECIAL REASONABLE NEEDS.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE SITE AND BUILDING FROM TIRE MARKS AND OTHER DAMAGE.

ABBREVIATIONS

ACM ALUM APPROX	ASBESTOS CONTAINING MATERIALS ALUMINUM APPROXIMATELY	GA GALV GWB or GYP BD GLU LAM	GAUGE GALVANIZED GYPSUM WALL BOARD GLU-LAMINATED BEAM	PREFAB PSF PSI P.T.	PREFABRICATED POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED
BD BLDG BM BUR	BOARD BUILDING BEAM BUILT-UP-ROOF	HT	HEIGHT	RD REQ'D RL RM	ROOF DRAIN REQUIRED RAIN LEADER ROOM
CL CMU COL CONC CONST'N CONT COORD	CENTERLINE CONCRETE MASONRY UNIT COLUMN CONCRETE CONSTRUCTION CONTINUOUS COORDINATE	ID INL INFO INSUL	INSIDE DIMENSION INCH INFORMATION INSULATION	SAW SBS SD SEBS	SELF ADHERING MEMBRANE STYRENE-BUTADIENE-STYRENE STORM DRAIN STYRENE-ETHYLENE-BUTADIENE-STYRENE SQUARE FEET
D. or Ø DET DIM DN DR	DIAMETER DETAIL DIMENSION DOWN DOOR	J-BOX JT	JUNCTION BOX JOINT	SF SIM SM SQ. IN. SS STL STRUC	SIMILAR SHEET METAL SQUARE INCH STAINLESS STEEL STEEL STRUCTURAL
EIFS EL or ELEV ELEC EPDM	EXTERIOR INSULATION FINISH SYSTEM ELEVATION ELECTRICAL ETHYLENE PROPYLENE DIENE MONOMER	LF	LINEAL FEET	T.O. TYP	TOP OF TYPICAL
EPS EQ EXH EXIST. or (E) EXP EXPS	EXPANDED POLYSTYRENE INSULATION BOARD ELEC THRU ROOF (CONDUIT) EQUAL EXHAUST EXISTING EXPANSION EXTRUDED POLYSTYRENE INSULATION BOARD	MAX MC BUR MECH MFR MISC MIN MTL	MAXIMUM MINERAL CAP BUILT UP ROOF MECHANICAL MANUFACTURER MISCELLANEOUS MINIMUM METAL	U.O.N.	UNLESS OTHERWISE NOTED
ETR EQ EXH EXIST. or (E) EXP EXPS	ELEC THRU ROOF (CONDUIT) EQUAL EXHAUST EXISTING EXPANSION EXTRUDED POLYSTYRENE INSULATION BOARD	N/A NIC NO or # NRCA	NOT APPLICABLE NOT IN CONTRACT NUMBER NATIONAL ROOFING CONTRACTOR'S ASSOCIATION NOT TO SCALE	VIF VR VTR	VERIFY IN FIELD VAPOR RETARDER VENT THRU ROOF
F.G. FIB BD	FIBERGLASS FIBERBOARD (RECOVERY BOARD)	NTS	NOT TO SCALE	W/ WD	WITH WOOD



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Drawn	MAB
Checked	JTV

Date 27 Dec, 2013

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**TITLE AND
INFORMATION
PLAN**

Sheet No.:
G1.1

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FILE: I:\1318805\DWGS\A\SHEETS\1318805_P-1.DWG PLOTTED: Jan 2, 2014 - 11:48:19 AM (Mark Bennett)



P1 - VIEW OF BLDG #8 FROM BLDG #6 ROOFTOP



P2 - VIEW OF BLDG #8 & BLDG #7 FROM BLDG #6



P3 - VIEW ALONG LOADING DOCK LOOKING NORTH



P4 - VIEW OF NORTH END OF LOADING DOCK



P5 - VIEW OF SOUTH END OF LOADING DOCK



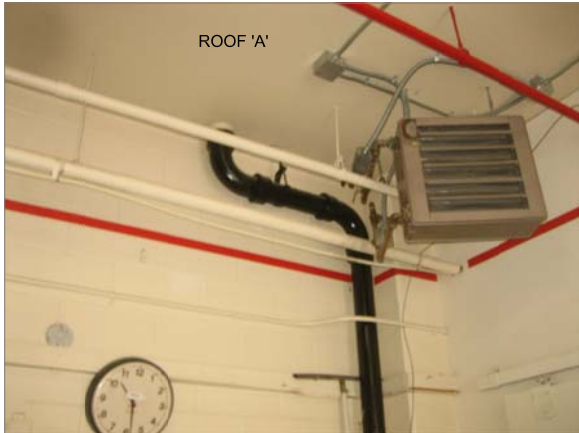
P6 - VIEW BETWEEN BLDG #7 & BLDG #8



P9 - VIEW OF SOUTHEAST CORNER OF ROOF 'A'



P10 - VIEW ACROSS ROOF 'A' LOOKING NORTHWEST



P7 - VIEW OF EXIST ROOF DRAIN & LEADER



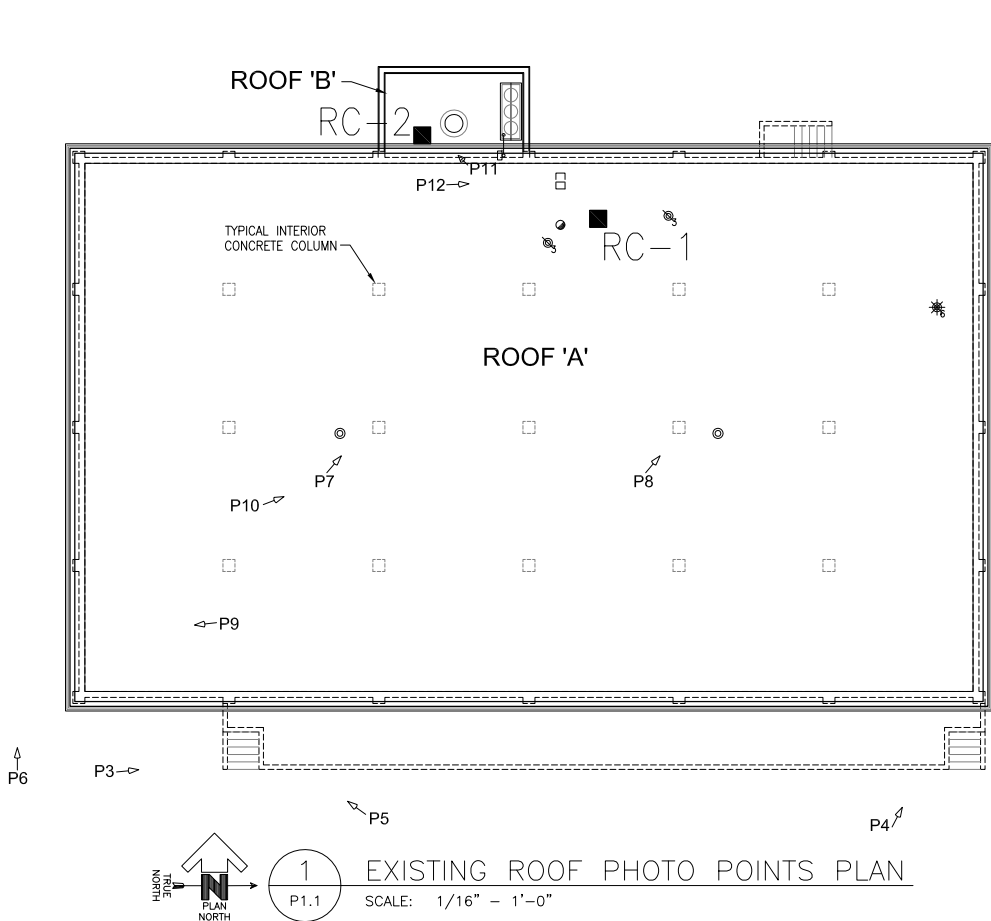
P11 - VIEW OF ROOF 'B' LOOKING DOWN FROM 'A'



P8 - VIEW OF EXIST ROOF DRAIN & LEADER



P12 - VIEW ALONG WEST EDGE OF ROOF 'A'



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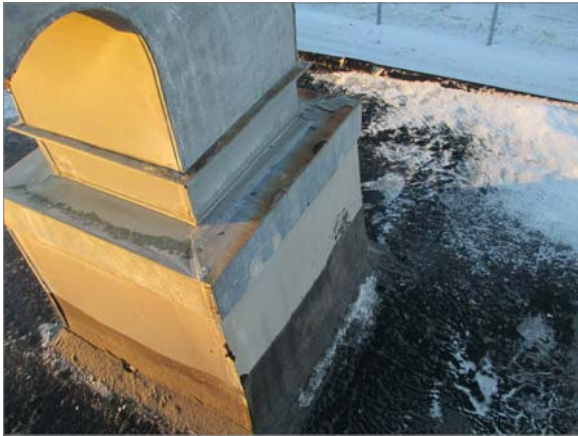
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P1 - VIEW OF MECHANICAL PENETRATIONS



P2 - VIEW OF MECHANICAL PENETRATIONS



P3 - CLOSEUP VIEW OF DUCTWORK PENETRATION



P4 - VIEW OF ROOF 'A' CORE CUT #1



P5 - VIEW OF TYPICAL ROOF DRAIN



P6 - VIEW OF TYPICAL VTR W/ JACKET



P7 - VIEW OF MECH EQUIPMENT ON ROOF 'B'



P8 - VIEW OF CONDENSER UNIT TO BE REMOVED



P9 - VIEW OF ROOF 'B' EQUIPMENT AND ACCESS



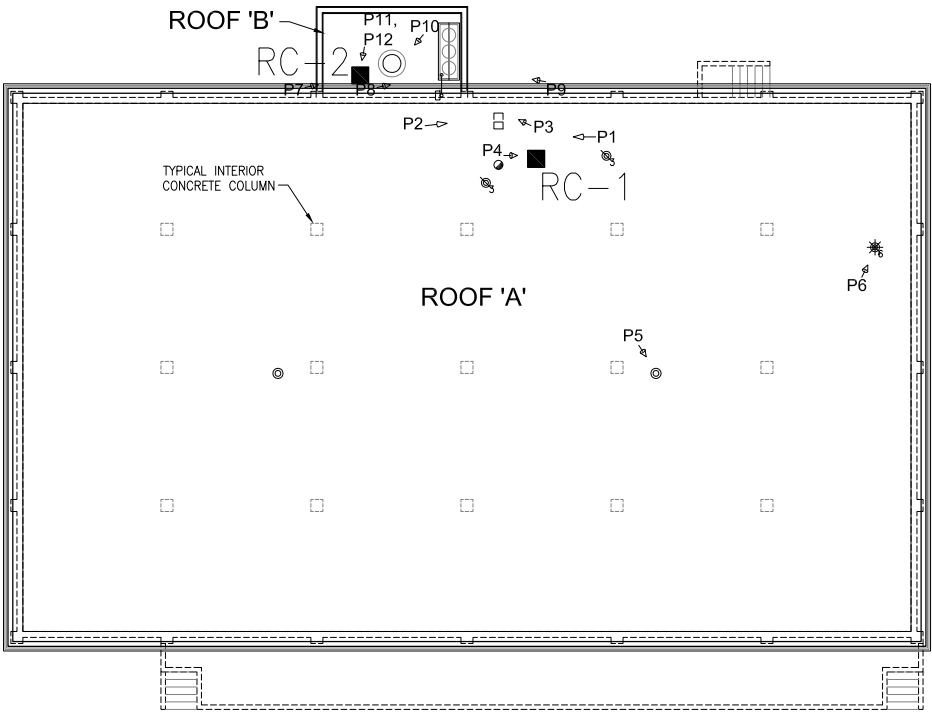
P10 - VIEW OF ROOF 'B' CORE CUT PREP



P11 - VIEW OF ROOF 'B' CORE CUT #2



P12 - VIEW OF ROOF 'B' CORE CUT #2



1 EXISTING ROOF PHOTO POINTS PLAN
SCALE: 1/16" = 1'-0"

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P1 - VIEW OF BLDG #8 FROM BLDG #6 ROOFTOP



P2 - VIEW OF BLDG #8 & BLDG #7 FROM BLDG #6



P3 - VIEW ALONG LOADING DOCK LOOKING NORTH



P4 - VIEW OF NORTH END OF LOADING DOCK



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P7 - VIEW OF EXIST ROOF DRAIN & LEADER



P8 - VIEW OF EXIST ROOF DRAIN & LEADER



P9 - VIEW OF SOUTHEAST CORNER OF ROOF 'A'



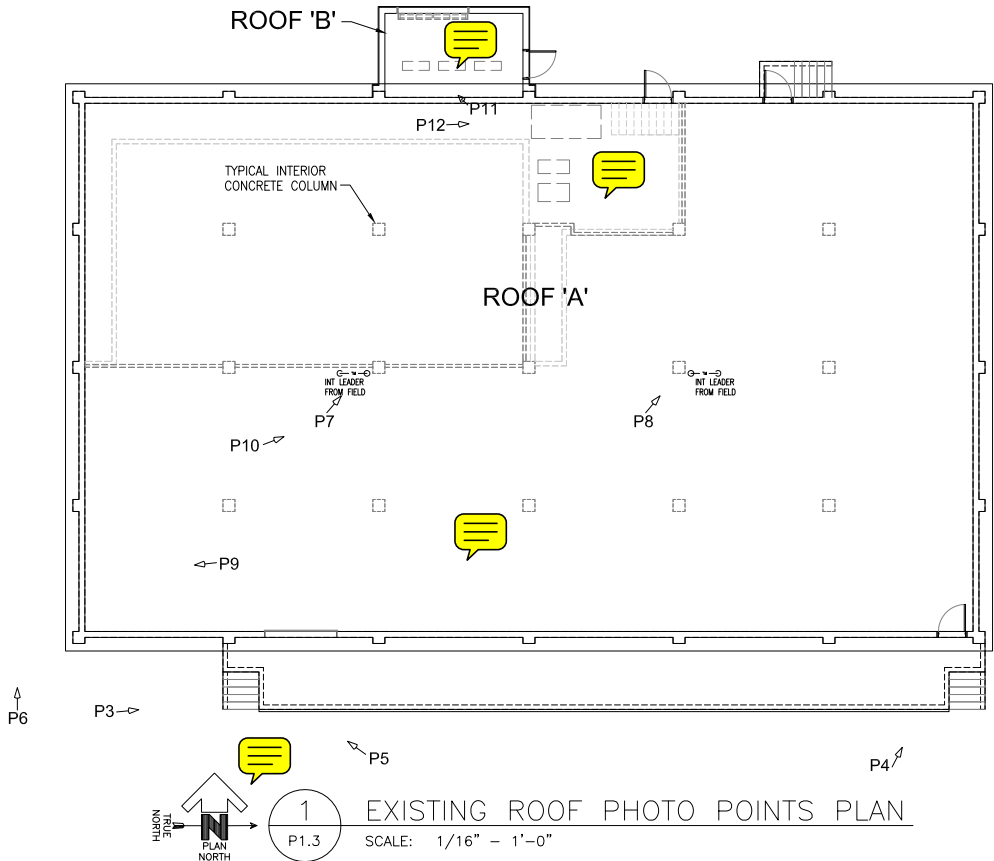
P10 - VIEW ACROSS ROOF 'A' LOOKING NORTHWEST



P11 - VIEW OF ROOF 'B' LOOKING DOWN FROM 'A'



P12 - VIEW ALONG WEST EDGE OF ROOF 'A'



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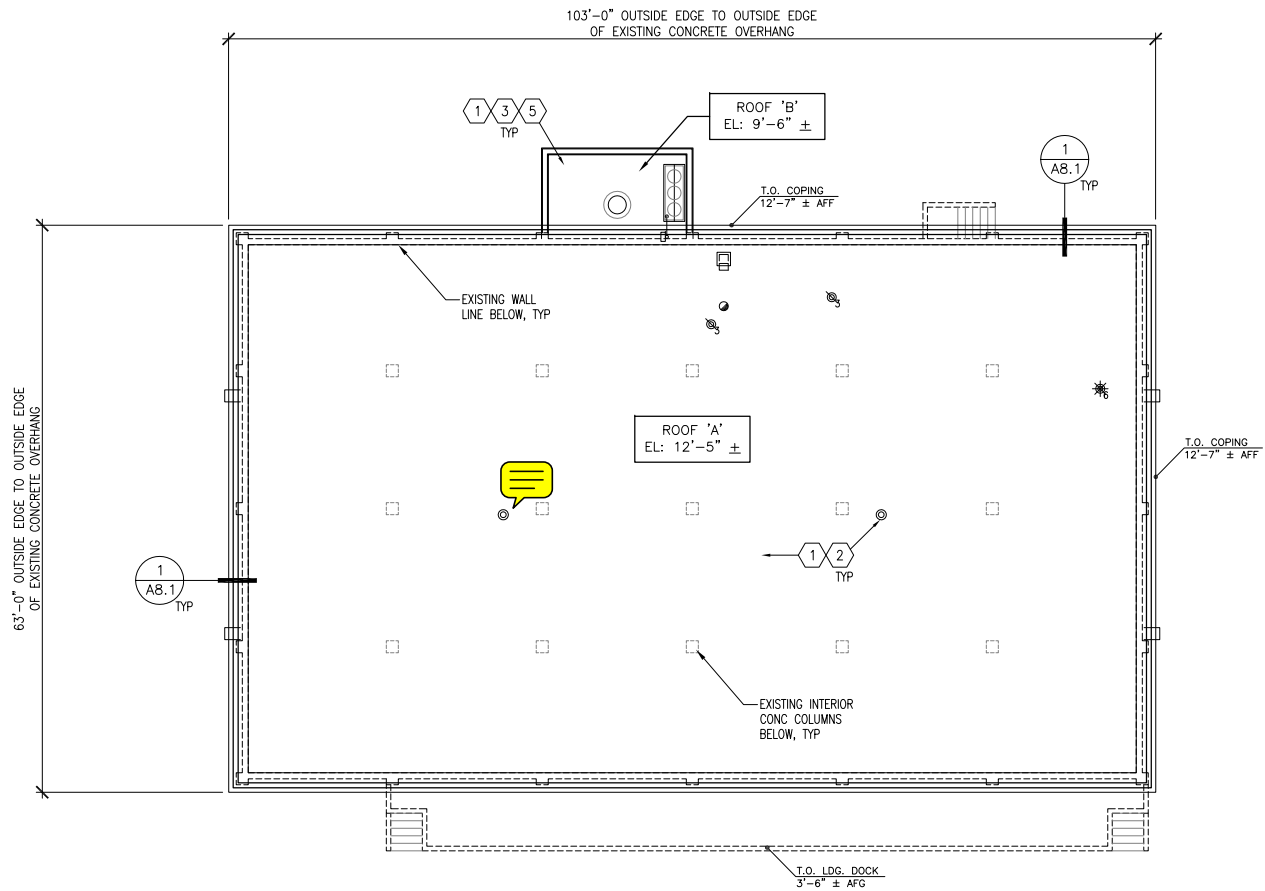
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ROOF PLAN – DEMOLITION

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

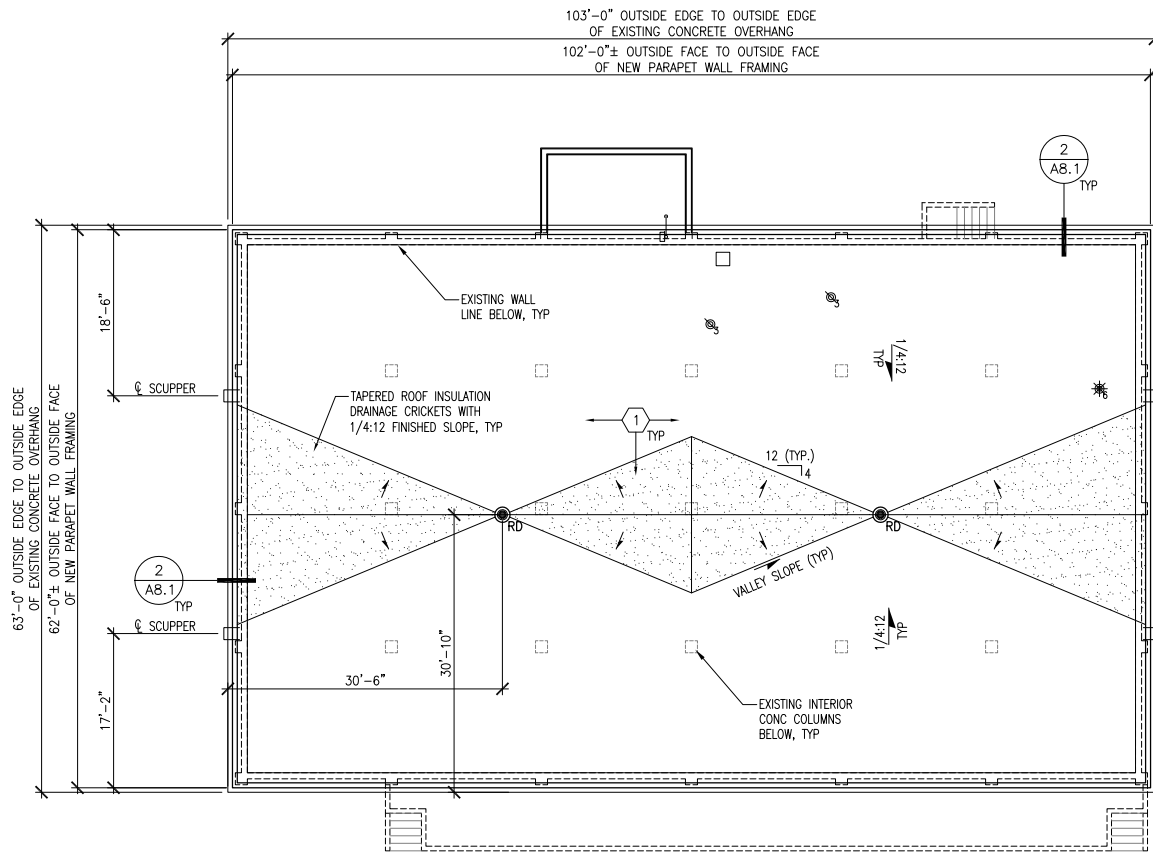
ID# 	DESCRIPTION	SIZE	REMARKS
01	VENT THRU ROOF	3"Ø	EXTEND AS REQ'D TO 12" ABOVE ROOF SURFACE
02	VENT THRU ROOF	6"Ø	EXTEND AS REQ'D TO 12" ABOVE ROOF SURFACE
03	CONDUIT	VARIES	CONDUIT & BOXES TO REMAIN. REMOVE AND RE-INSTALL AS REQ'D TO INSTALL ROOF AND ASSOCIATED HARDWARE. REMOVE AS NECESSARY PER OWNER'S DIRECTION
04	TYPICAL ROOF DRAIN	4" VARIES	REMOVE & REPLACE AS REQ'D
05	VENTILATOR	BASE-18"x18" W/ GOOSENECK VENT	EXTEND TOP OF CURB TO 12" MIN. ABOVE ROOF SURFACE
06	HOT STACK	8"Ø	EXTEND TOP OF CURB TO 12" MIN. ABOVE ROOF SURFACE

DEMOLITION KEYED NOTES: (APPLIES TO THIS SHEET ONLY)

- 1 REMOVE EXISTING ROOFING ASSEMBLY AND ALL ASSOCIATED HARDWARE, FLASHINGS, CANT STRIPS, TERM BARS, SCREWS, ETC. DOWN TO THE EXISTING DECK AND ADJACENT SURFACES
- 2 REMOVE ALL EXISTING ROOF DRAINS. REMOVE LOOSE MATERIAL DOWN TO DECK AND PREP FOR INSTALLATION OF NEW ROOF DRAINS
- 3 ALL ABANDONED EYEBOLTS, CABLE, EQUIPMENT CURBS, MECHANICAL SUPPORTS AND ASSOCIATED HARDWARE TO BE REMOVED COMPLETE
- 4 EXISTING CONDUIT TO REMAIN AND EXTENDED OR SHORTENED AS REQUIRED TO COMPENSATE FOR INCREASE IN ROOFING ASSEMBLY THICKNESS. USE TEMPORARY MEANS TO SUPPORT CONDUIT WITHOUT INTERRUPTION TO THE BUILDING SERVICE, IF ANY INTERRUPTION IN SERVICE IS NECESSARY, COORDINATE WITH THE OWNER AT LEAST 72 HOURS IN ADVANCE. VERIFY WITH OWNER ON STATUS OF CONDUIT AND REQUIREMENT TO REMAIN
- 5 ABANDONED MECHANICAL EQUIPMENT PENETRATION TO BE REMOVED DOWN TO BELOW THE EXISTING CEILING STRUCTURE. PREP EXISTING DECKING AS REQUIRED TO REMOVE ALL ASSOCIATED EQUIPMENT AS APPROPRIATE. PREP PENETRATION FOR INSTALLATION OF NEW DECKING AS REQUIRED
- 6 REMOVE EXISTING METAL FASCIA, CAP FLASHING, PARAPET ASSEMBLY, AND ALL ASSOCIATED HARDWARE DOWN TO THE EXISTING DECK STRUCTURE TO ACCOMMODATE NEW STRUCTURAL PARAPET WALLS AND ROOF ASSEMBLY. PREP DECK STRUCTURE FOR ADDITION OF NEW PARAPETS PER NEW DETAILS
- 7 REMOVE EXISTING JUNCTION BOX AND ASSOCIATED MOUNTING HARDWARE. REINSTALL UTILITY LINES TO THEIR PREVIOUS RELATIVE LOCATIONS, AND WORKING CONDITIONS
- 8 EXISTING WEATHER STATION TO BE REMOVED AND RE-INSTALLED PER OWNER'S DIRECTION
- 9 APPROXIMATE LOCATION OF EXISTING RAIN LEADERS. CONTRACTOR TO VERIFY ACTUAL LOCATIONS OF LEADERS PRIOR TO DEMOLITION. PREP FOR INSTALLATION OF NEW RAIN LEADERS AS REQ'D PER OTHER PLANS AND DETAILS

GENERAL NOTES:

1. EXISTING EQUIPMENT CURBS SHALL BE STRIPPED OF ALL ROOFING MATERIAL AND CLEANED OF ALL FASTENERS & ADHESIVES PRIOR TO RE-BUILDING OR ADDING BLOCKING TO EXTEND HEIGHT.
2. EXISTING ELECTRICAL CONDUIT, CONNECTIONS, SHEET METAL, ETC. FOR ALL CURBS AND EQUIPMENT SHALL BE EXTENDED TO NEW HEIGHTS AS REQUIRED.
3. FIELD VERIFY ALL EXISTING ROOF SLOPES, ELEVATIONS, SQUARE FOOTAGE'S, AND DIMENSIONS.
4. VERIFY USE, QUANTITY, TYPE, AND SIZE OF ROOF PENETRATIONS PRIOR TO EXTENDING OR REMOVAL.
5. THE WORK AREA MAY CONTAIN HAZARDOUS MATERIAL IN THE FORM OF, BUT NOT LIMITED TO, ASBESTOS-CONTAINING MATERIAL (ACM). THE WORK AREA MAY ALSO CONTAIN DUST WITH ASBESTOS FIBERS.



ROOF PLAN – NEW WORK

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

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ROOF PLANS

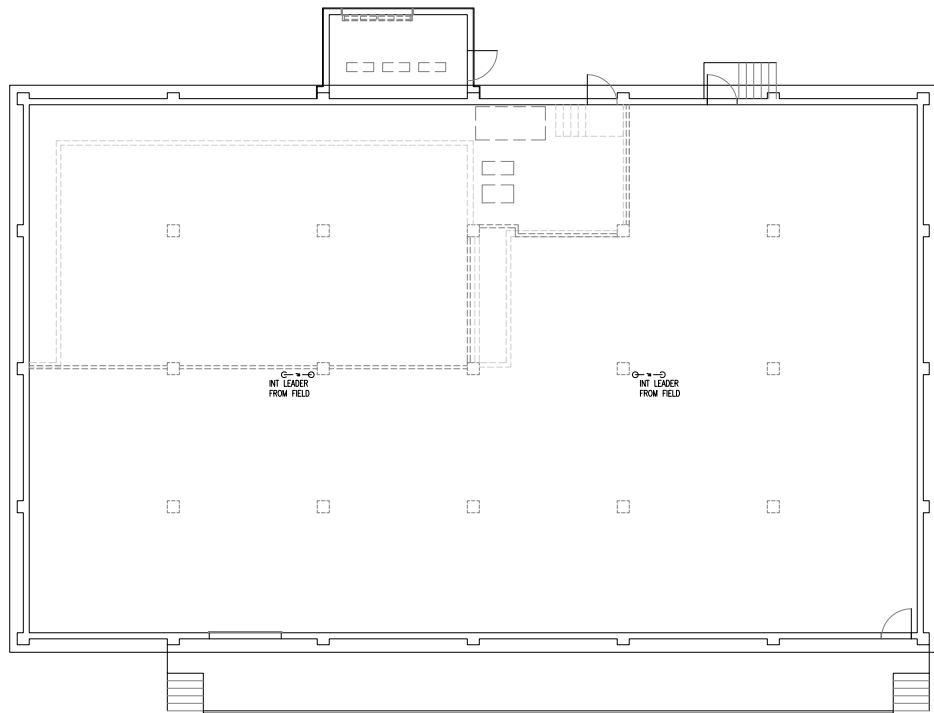
DEMOLITION & NEW WORK

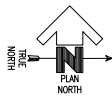
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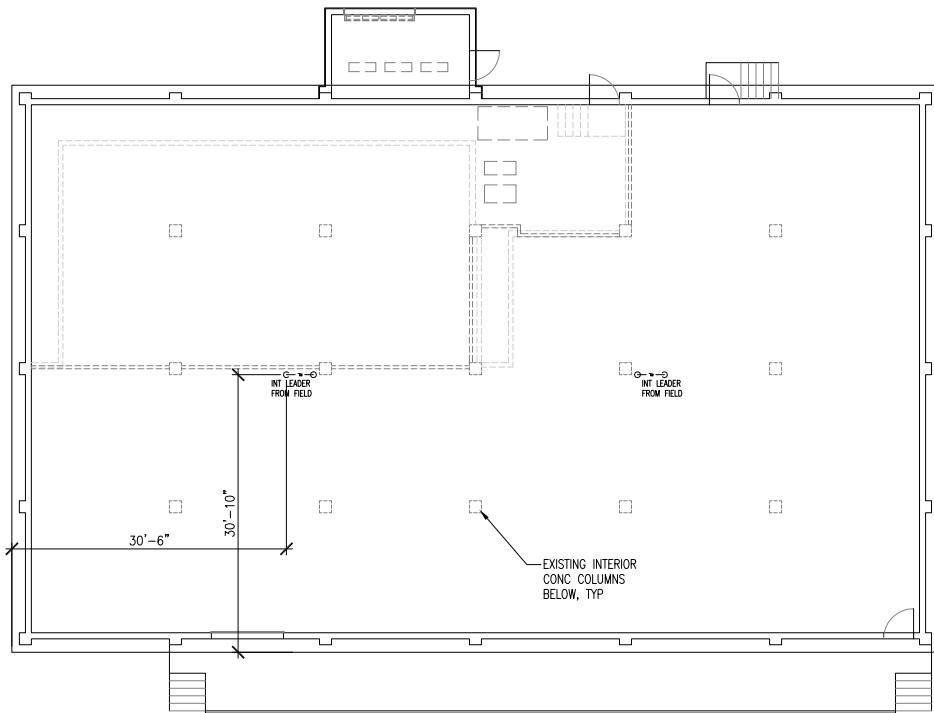
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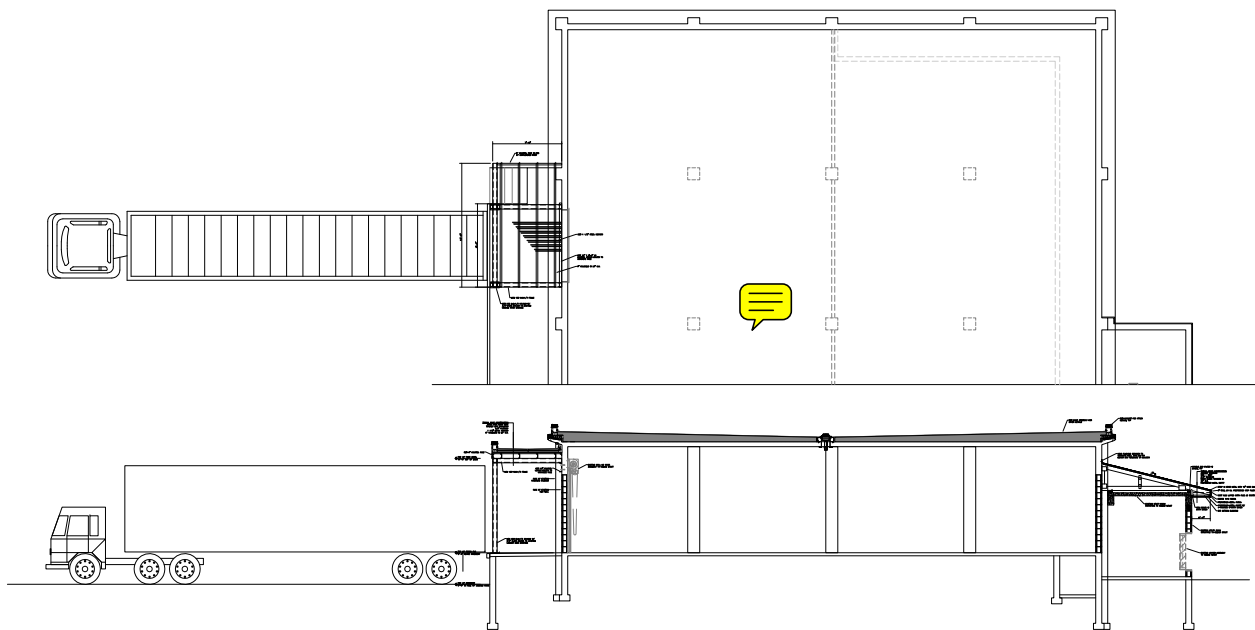
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 **2** FLOOR PLAN — NEW CANOPY WORK
A1.2 SCALE: 3/32" = 1'-0"



 **1** ROOF PLAN — NEW WORK
A1.2 SCALE: 3/32" = 1'-0"



3 BLDG SECTION — NEW WORK
A1.2 SCALE: 3/32" = 1'-0"

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