

STATE OF ALASKA

DEPARTMENT OF ADMINISTRATION

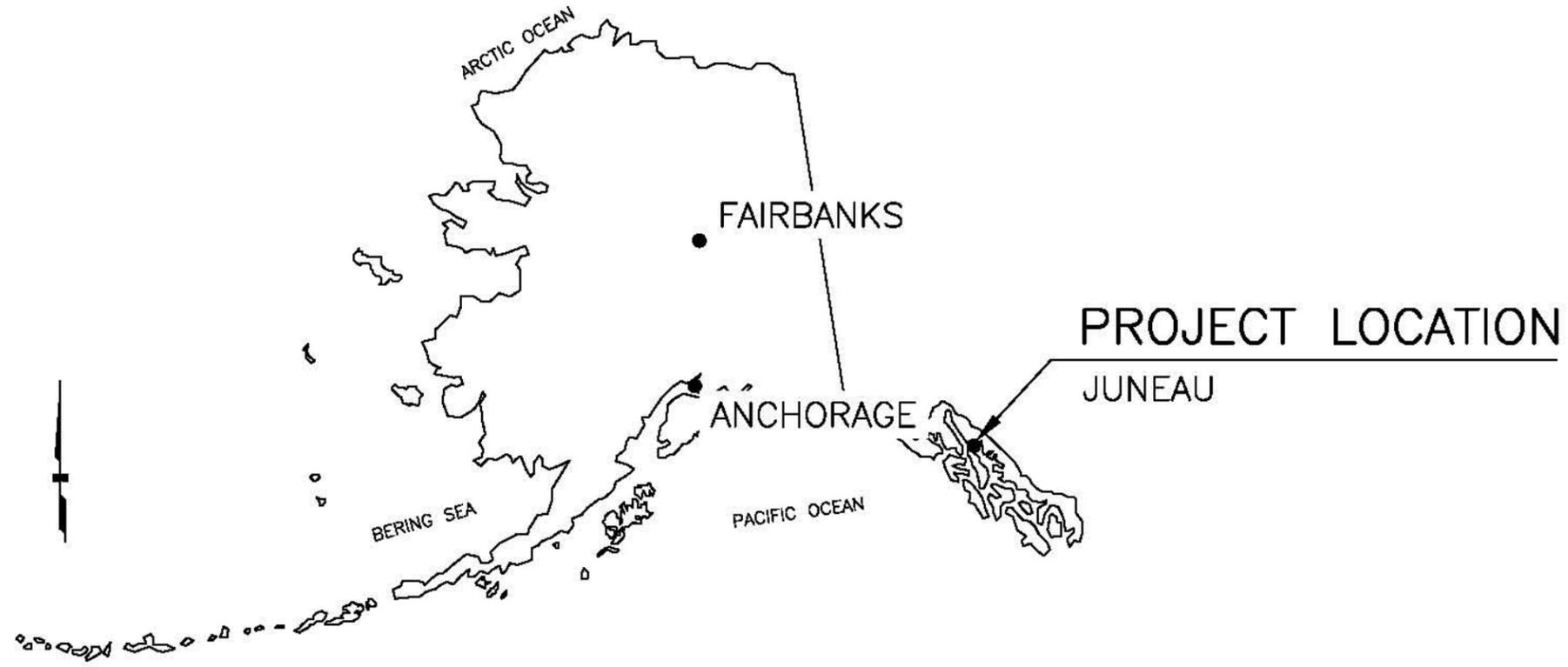
JUNEAU STATE OFFICE BUILDING

2011 ASBESTOS ABATEMENT PROJECT

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	ALASKA	2011-0222-9963	2011	1	24

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PROJECT SUMMARY	
# OF 6TH FLOOR ROOMS	22 ROOMS
# OF 7TH FLOOR ROOMS	24 ROOMS



STATE OF ALASKA
 DEPARTMENT OF ADMINISTRATION
 PLANS DEVELOPED BY:
NORTECH, INC.
 ENVIRONMENTAL ENGINEERING,
 HEALTH & SAFETY CONSULTANTS
 4402 THANE ROAD, JUNEAU, ALASKA
 907-586-6813

IN ASSOCIATION WITH:
 R&M CONSULTANTS, INC.
 APPROVED: _____ DATE _____
 DOA CONTRACTING OFFICER

CONCUR: _____
 DOA FACILITIES MANAGER _____ DATE _____



Plotted 1/26/2011 1:15 PM by Christopher E. Tanner\00-Jobs\00-Asbestos Abatement\Drawings\102505f.dwg

DESIGN NOTES

1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

DESIGN NOTES

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA

Project Scope and Intent:

In preparation of a follow up re-application of sprayed on fireproofing this State Office Building 2011 Asbestos Abatement Project intent is to complete the following in the Project Areas:

- ABATEMENT of remaining ACM fireproofing (FP) accessible in the project areas.
 - o ENCLOSURE of inaccessible ACM fireproofing to remain in adjacent wall and building spaces.
- REMOVAL of non-fire rated spray foam (SF) from penetrations.
- CLEANING and SEALING of all penetrations with a fire rated sealant.
- REMOVAL/REPLACEMENT of sound insulation with the same or State-approved equal in select project rooms/walls as shown on the drawings. Soundproofing to be non-hazardous and approved for the intended use and fire rating of the installation.
- ABATE and Clean 8th Floor Outdoor Plaza Planter of asbestos containing cement asbestos board and mastics.
- CLEANING and ENCAPSULATION of project work area surfaces.
 - o Project access areas to be HEPA vacuumed, walls wet wiped and carpets professionally cleaned.
- Pass visual and aggressive air clearances in all project work areas.

Project Areas:

The following are the Project Areas, as depicted in the Project Drawings:

- 6th Floor Mechanical Spaces North (6N) Rooms 1-11
- 6th Floor Mechanical Spaces South (6S) Rooms 1-10
- Telephone/Electrical Room 6th Floor
- 7th Floor Mechanical Spaces North (7N) Rooms 1-10
- 7th Floor Mechanical Spaces South (7S) Rooms 1-10
- Compactor Room 7th Floor
- Envelope Room 7th Floor
- Telephone/Electrical Room 7th Floor
- Fire/Signal Room 7th Floor
- Outdoor Plaza Planter 8th Floor

Abatement/Clean-Up and Seal Project Design Notes:

1. Project and emergency contact information during and after hours, in the preferred contact order include:
 - Josh Dodson 209-5197 joshua.dodson@alaska.gov
 - Gareth Jones 321-4388 gareth.jones@alaska.gov
 - Tanci Mintz 242-1044 tanci.mintz@alaska.gov

General project recommendations, inquiries and concerns from non-project personnel will be reported to the SOB call center 465-5689 doa.dgs.facilities.callcenter@alaska.gov
2. Baseline sampling completed in November 2010, including bulk, air, dust wipe and carpet vacuum samples, results are tabulated and depicted on Project Sheets 5 and 6
3. Work Plan Based on the historical information provided and the detailed abatement and clean up scope of work itemized below. The CONTRACTOR shall develop a site specific work plan reviewed and signed off by a CIH for the OWNER's approval that includes (See Specification Section 02080 for additional details and specifics):
 - Asbestos Removal and Disposal Work Plan. Proposed work practices
 - Asbestos Removal Shop Drawings
 - o Containment; access/egress; exhaust/supply air, water/power, placarding, etc.
 - Negative Exposure Assessment Documentation
 - Project Schedule by Mechanical Space.
 - "Competent Person" Designation and Experience.
 - Project Designer, IH and CIH Certifications and Diplomas.
 - Worker Training and Medical Approval Records.
 - Site Specific Safety and Health Plan (SSSHP).
 - Notifications, Certificates, and Approvals.
4. Project mobilization will be initiated upon receipt of written notice to proceed and will occur simultaneously with Work plan development.
5. All non-movable or non-cleanable surfaces and the exterior surfaces of equipment in the work areas will be pre-cleaned and protected in place with poly sheeting material by the CONTRACTOR. CONTRACTOR will clean and encapsulate all exposed surfaces in work area prior to final air clearance testing.

6. In fan rooms CONTRACTOR must seal the floor drain bowls to the concrete slab to prevent water leaking around the floor drain to the floor below. The CONTRACTOR will be responsible for all leaked water cleanup and restoration.
7. All work areas will be demarcated to restrict access in accordance with the approved Work Plan.
8. CONTRACTOR will abate damaged asbestos insulated fittings within the project areas up to a maximum of 20 fittings, none exceeding 3 inch pipe diameter.
9. CONTRACTOR shall remove accessible non-fire rated spray foam (see project photos for typical) and SEAL all cracks and penetrations in project areas with either hand pack fire-proofing, gypsum board, joint tape and gypsum joint compound, sheet metal, cement, fire caulking or other fire rated materials to match the surrounding material as needed to re-establish the fire rating of the assembly. Materials and work practices to be used shall be specified in the CONTRACTOR's approved work plan.
10. CONTRACTOR shall remove any remaining containment poly sheeting, tape, and tape residue left from the previous abatement work; and all poly sheeting, tape, and glue resulting from this abatement project.
11. CONTRACTOR is responsible for obtaining security clearances for all employees on site. Form 1100 Section 1.13.
12. The cleaning inside of the ductwork, air silencers, electrical panel, switch boxes, conduit, piping, etc. is not part of this proposal. CONTRACTOR will pre-clean the exterior of the fixed improvements to remain and wrap with poly sheeting. After passing aggressive final air clearance sampling the protective poly sheeting will be removed and disposed of as asbestos waste.
13. CONTRACTOR shall clean residual asbestos fire-proofing from the steel beams and decking. Hand cleaning of residual fire-proofing from the metal pan deck is required a minimum width of one inch from where the beam and pan deck meet. The steel beams are rusted. Where rust is embedded with asbestos fire-proofing CONTRACTOR will attempt to remove the embedded fire-proofing. The fire-proofing will be removed from the exposed beam surfaces to the extent the rust embed fire-proofing can be removed by scraping with a standard putty knife and /or bristle brush making a minimum of four single passes over the rust area. Pan decking will be cleaned only as necessary to satisfy final clearance inspection for re-application of sprayed on fireproofing. For the purposes of bidding the CONTRACTOR shall assume a minimum of 10% of the pan deck will require cleaning. The beams and metal pan deck will then be encapsulated with a sprayed on fire proofing compatible encapsulant to lock down any remaining fibers.
14. CONTRACTOR shall abate all remaining ACM fireproofing (FP) between the top of framed partition walls and pan deck where both sides of the partition walls are located within project work areas.
 - CONTRACTOR shall remove gypsum wall board on partition walls within project work areas as shown on the drawings in order to abate remaining fireproofing on back sides of structural steel not formerly accessible.
 - Where the beams penetrate through walls, CONTRACTOR will cut back gypsum board as needed to remove asbestos fire-proofing from the steel beams passing through partition walls.
 - Following removal, abatement and cleaning the gypsum board assembly will be replaced and SEALED with joints fire taped.
 - ACM fireproofing may become dislodged and fall into the wall cavity during removal of the initial wallboard. CONTRACTOR is not responsible to abate the wall cavity. The CONTRACTOR is required to ENCLOSE all inaccessible wall cavities and adjacent areas containing ACMFP to remain.
15. Supply/Exhaust for containment and fresh air required by the CONTRACTOR will be provided by the existing building's exhaust/supply openings located on the 6th and 7th floor mechanical spaces (Rooms 6S9, 6N8, 6N1, 7N9, 7N1) and 7th Floor loading dock, as depicted on the drawings. CONTRACTOR's Work Plan shall provide exhaust/supply air intakes and provisions for public areas and re-entrainment.

16. The following mechanical spaces serving multiple mechanical zones involving the building's supply/exhaust openings will remain operational during the standard work week and will require all project work efforts required in these areas to be completed over the weekend when the system is shut down.
 - 7th Floor North (7N) Rooms 9 and 1
 - 7th Floor South (7S) Room 9
 - 6th Floor North (6N) Rooms 9 and 11
 - 6th Floor South (6S) Room 9

Additional rooms may require restricted and/or weekend work periods as determined by the CONTRACTOR's approved Work Plan
17. CONTRACTOR will clean and seal concrete floor and cracks and then encapsulate the concrete floors prior to final air clearances.
18. Where walls were braced to steel beams and/or pan decking and those braces were either removed or broken, CONTRACTOR will re-install new wall braces and re-plumb the walls with similar bracing.
19. All final aggressive air clearance sampling will be collected after encapsulation.
20. Temporary water hook up and drains for filtered waste water available to the CONTRACTOR in the project areas are shown on the project drawings.
21. The Owner will hook up CONTRACTOR's temporary panel board cord to a 50 amp power supply for each fan room. CONTRACTOR may use existing standard 110v electrical outlets in the area in addition to the temporary panel board.
22. The owner will provide space for a 20 foot connex and a 20 foot box van truck at the building. Due to high traffic during the normal work day the Compactor, Envelope, Tele/Electric, and the Fire/Signal Room will be weekend work only.
23. The State of Alaska Enterprises Technology Services (ETS) has a computer room in the 6th floor North Mechanical Space. This room has to be available to the ETS technicians 24 hours a day seven days a week. Access to this room must be maintained through room 6N1. CONTRACTOR to provide ETS access details in approved work plan.
24. The Owner will shutdown and restart all mechanical and electrical equipment.
25. The Owner will provide temporary HVAC service to areas outside of containment affected by shutdown. CONTRACTOR will provide up to 18 each additional 1750 CFM portable negative air fans. Equipment shall be like new and suitable for use in occupied spaces.
26. The Owner will remove all filters in each fan room prior to and following the CONTRACTOR's work. The OWNER will replace all filters at the completion of the project.
27. The Owner is responsible for notification of the abatement activities to all occupants, tenants and other contractors in the building as required. The OWNER will provide the CONTRACTOR copies.
28. CONTRACTOR is responsible for all regulatory notifications including Alaska Dept of Labor and EPA NESHAPS notification.
29. It is assumed that the wall cavities are contaminated spaces and will remain a contaminated space at the completion of this cleanup project. CONTRACTOR will SEAL and ENCLOSE accessible wall openings containing ACM FP to remain. Fire patching is required. Repainting of any surfaces is not included. Project constructed ACM FP enclosures shall be labeled/placarded as Asbestos containing spaces.
30. Spray back fireproofing will not start until asbestos clean-up work has been completed including passing a visual inspection and final aggressive air clearance sampling in each room and all areas serviced by the fan room. No spray back fireproofing will be allowed that may interfere with PCM environmental sampling during asbestos clean-up.
31. OWNER shall provide independent third party monitoring, sampling and oversight during the abatement and cleanup. Monitoring will include daily oversight of the contractor and will include, routine project compliance and final clearance sampling. The CONTRACTOR shall be responsible for OSHA and worker protection monitoring.
32. Encapsulant to be submitted and approved in CONTRACTOR's submittals and be compatible with previously applied fireproofing primer and spray on fireproofing and primer to be installed



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IN ASSOCIATION WITH:
 R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 2

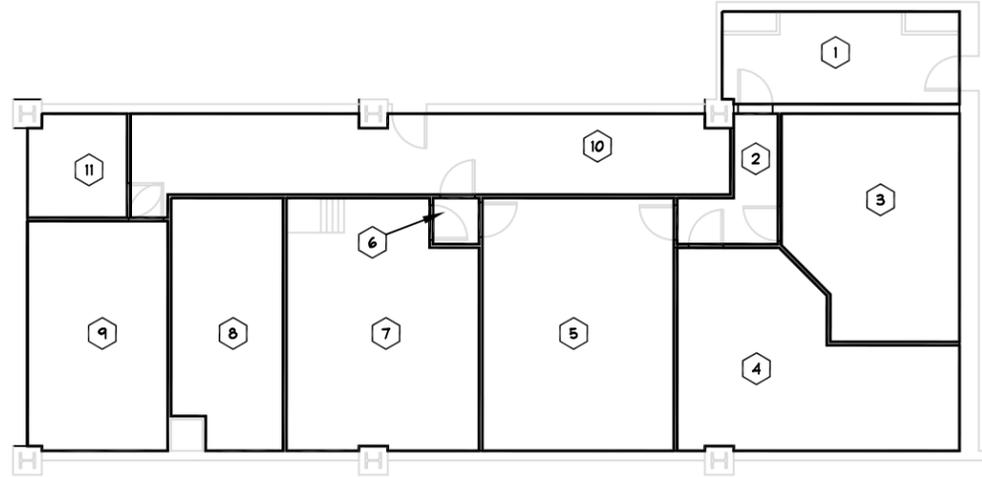
TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

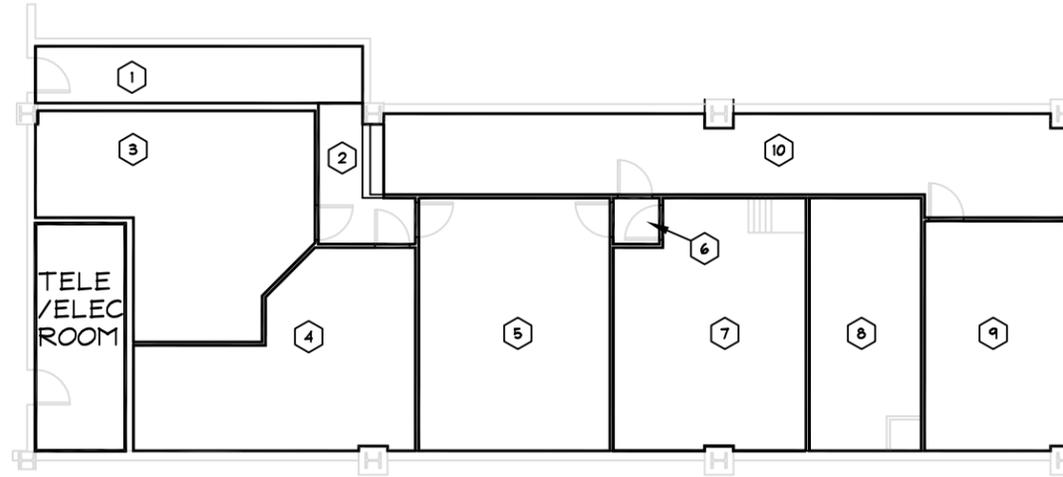
2011-0222-9963

STATE	YEAR
ALASKA	2011

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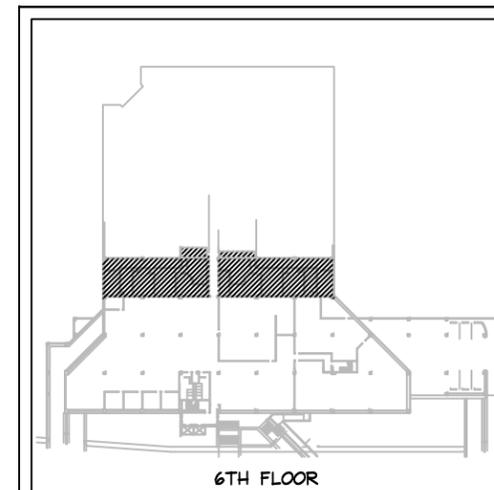
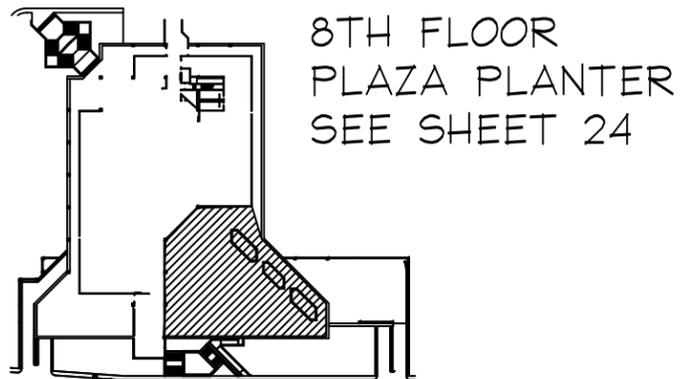


MECHANICAL SPACE 6N									
ROOM NUMBER	ROOM AREA (SQ. FT)	ROOM HEIGHT (FT)	ROOM VOLUME (CU. FT)	SOUNDPROOFING TO BE REMOVED (SQ. FT)	SOUNDPROOFING TO BE REPLACED (SQ. FT)	ABATE AND SEAL LENGTH (LFT)	ENCLOSURE LENGTH (LFT)	BEAM LENGTH (LFT)	SPRAY FOAM FOR REMOVAL (LFT)
1	164	13	2132	0	0	20	22	44	9
2	63	13	819	0	0	10	0	4	0
3	278	13	3614	440	782	30	0	50	20
4	323	13	4199	0	0	20	6	90	<5
5	363	13	4719	0	0	25	5	44	22
6	16	13	208	0	0	0	0	0	0
7	346	13	4498	176	220	20	0	26	<10
8	203	9	1827	120	150	35	10	29	35
9	241	13	3133	0	120	5	32	31	43
10	364	13	4732	0	0	12	68	42	65
11	76	10	760	0	0	0	0	15	0
TOTAL QUANTITY	2437	136	30641	736	1272	177	143	375	209



MECHANICAL SPACE 6S									
ROOM NUMBER	ROOM AREA (SQ. FT)	ROOM HEIGHT (FT)	ROOM VOLUME (CU. FT)	SOUNDPROOFING TO BE REMOVED (SQ. FT)	SOUNDPROOFING TO BE REPLACED (SQ. FT)	ABATE AND SEAL LENGTH (LFT)	ENCLOSURE LENGTH (LFT)	BEAM LENGTH (LFT)	SPRAY FOAM FOR REMOVAL (LFT)
1	139	13	1807	0	0	30	0	310	35
2	76	13	988	0	0	8	0	13	<5
3	364	13	4732	520	897	35	0	49	<10
4	322	13	4186	0	0	14	40	44	<10
5	362	13	4706	0	0	26	22	21	<5
6	16	13	208	0	0	0	0	0	0
7	200	13	2600	176	220	20	18	42	17
8	212	9	1908	160	200	20	10	34	12
9	241	16	3856	0	192	10	35	31	64
10	433	13	5629	0	0	64	76	59	80
TELE/ELEC	153	13	1989	0	0	0	0	0	<10
TOTAL QUANTITY	2518	142	32609	856	1509	227	201	603	248

Quantities are provided for informational purposes only. CONTRACTOR shall be responsible for completing all required work in all project areas and verifying all quantities for purposes of bid. CONTRACTOR to assume 10% of Pan decking will require additional hand, brush cleaning. No contract adjustments will be considered unless total quantities for category exceed +/- (plus or minus) 10% of total quantities for category identified.



6TH & 8TH FLOOR PROJECT AREAS

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:

NORTECH INC.
ENVIRONMENTAL ENGINEERING,
HEALTH & SAFETY CONSULTANTS
4402 THANE RD. JUNEAU, ALASKA
907-586-6813

IN ASSOCIATION WITH:
R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 3

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER
2011-0222-9963

STATE	YEAR
ALASKA	2011

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

7TH FLOOR PROJECT AREAS

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:

NORTECH INC.
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907-586-6813

IN ASSOCIATION WITH:
R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 4

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

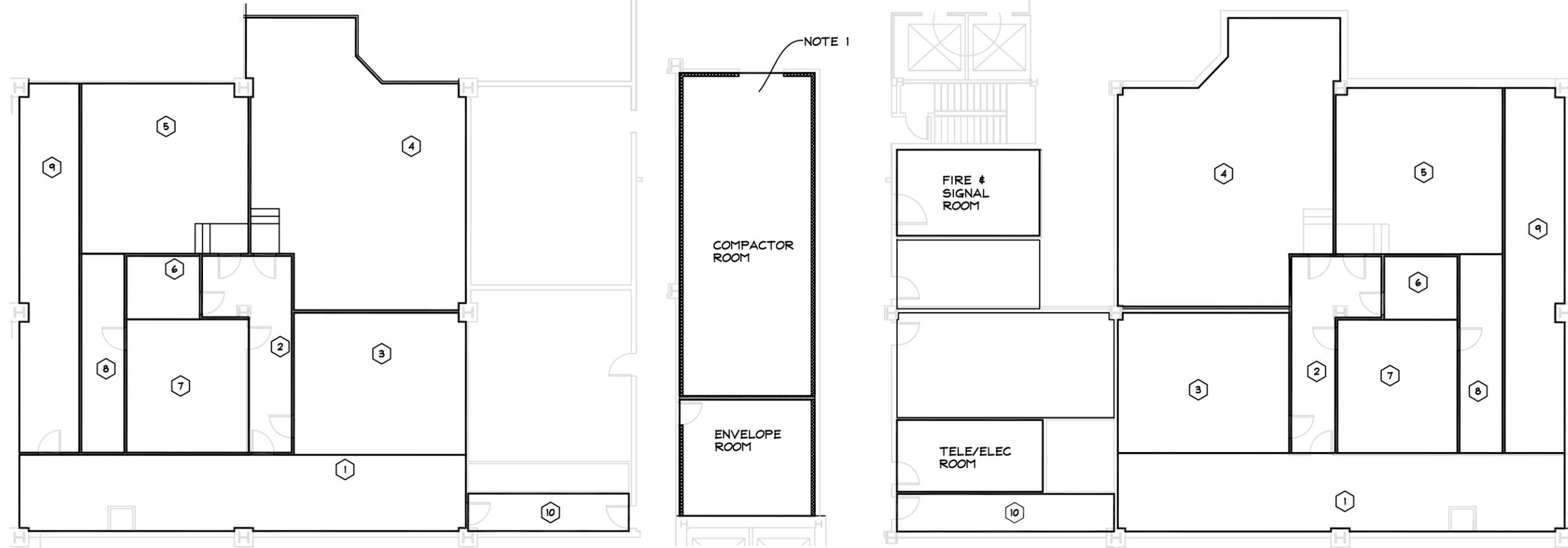
2011-0222-9963

STATE YEAR

ALASKA 2011

KEYED NOTE:

1. COMPACTOR AND ENVELOPE ROOMS
HAVE BEEN PLACED IN BETWEEN 7N
AND 7S FOR SPACE CONSIDERATIONS.



MECHANICAL SPACE 7N

ROOM NUMBER	ROOM AREA (SQ. FT)	ROOM HEIGHT (FT)	ROOM VOLUME (CU. FT)	SOUNDPROOFING TO BE REMOVED (SQ. FT)	SOUNDPROOFING TO BE REPLACED (SQ.FT)	ABATE AND SEAL LENGTH (LFT)	ENCLOSURE LENGTH (LFT)	BEAM LENGTH (LFT)	SPRAY FOAM FOR REMOVAL (LFT)
1	605	12	7260	552	690	10	82	71	65
2	198	12	2376	0	0	30	0	20	<5
3	435	12	5220	480	780	28	20	38	<10
4	959	15	14385	0	0	46	56	95	15
5	504	15	7560	0	0	25	22	85	22
6	83	13	1079	0	0	12	0	18	0
7	291	12	3492	472	767	22	0	36	<5
8	153	12	1836	0	0	8	0	32	<10
9	389	12	4668	0	0	2	60	54	<10
10	107	12	1284	0	0	0	0	0	0
TOTAL QUANTITY	3724	127	49160	1504	2237	183	240	449	142

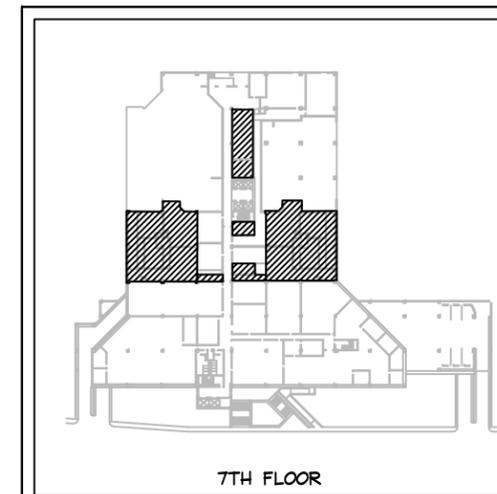
MECHANICAL SPACE 7S

ROOM NUMBER	ROOM AREA (SQ. FT)	ROOM HEIGHT (FT)	ROOM VOLUME (CU. FT)	SOUNDPROOFING TO BE REMOVED (SQ. FT)	SOUNDPROOFING TO BE REPLACED (SQ.FT)	ABATE AND SEAL LENGTH (LFT)	ENCLOSURE LENGTH (LFT)	BEAM LENGTH (LFT)	SPRAY FOAM FOR REMOVAL (LFT)
1	623	12	7476	552	690	10	80	72	30
2	204	12	2448	0	0	30	0	21	<5
3	428	14	5992	480	750	28	20	53	20
4	946	15	14190	0	0	64	60	114	20
5	494	13	6422	0	0	26	24	64	66
6	83	12	996	0	0	12	0	18	0
7	286	13	3718	0	750	36	0	26	20
8	153	12	1836	0	0	8	0	32	<10
9	385	12	4620	0	0	2	60	64	<5
10	145	12	1740	0	0	8	2	0	<5
TOTAL QUANTITY	3747	127	49438	1032	2190	224	246	464	181

OTHER ROOMS 7TH FLOOR

ROOM NUMBER	ROOM AREA (SQ. FT)	ROOM HEIGHT (FT)	ROOM VOLUME (CU. FT)	SOUNDPROOFING TO BE REMOVED (SQ. FT)	SOUNDPROOFING TO BE REPLACED (SQ.FT)	ABATE AND SEAL LENGTH (LFT)	ENCLOSURE LENGTH (LFT)	BEAM LENGTH (LFT)	SPRAY FOAM FOR REMOVAL (LFT)
COMPACTOR	779	13	10127	0	0	18	108	71	46
ENVELOPE	280	13	3640	0	0	18	35	43	32
TELE/ELEC 7TH FLOOR	186	13	2232	0	0	2	22	34	<10
FIRE&SIGNAL	218	13	2834	0	0	0	16	25	<5
TOTAL QUANTITY	1463	52	18833	0	0	38	181	173	93

Quantities are provided for informational purposes only. CONTRACTOR shall be responsible for completing all required work in all project areas and verifying all quantities for purposes of bid. CONTRACTOR to assume 10% of Pan decking will require additional hand, brush cleaning. No contract adjustments will be considered unless total quantities for category exceed +/- (plus or minus) 10% of total quantities for category identified.



7TH FLOOR

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NO.	DATE	DESCRIPTION

BASELINE ASBESTOS SAMPLING LOCATIONS & RESULTS FLOORS 5&6

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:
NORTECH INC.
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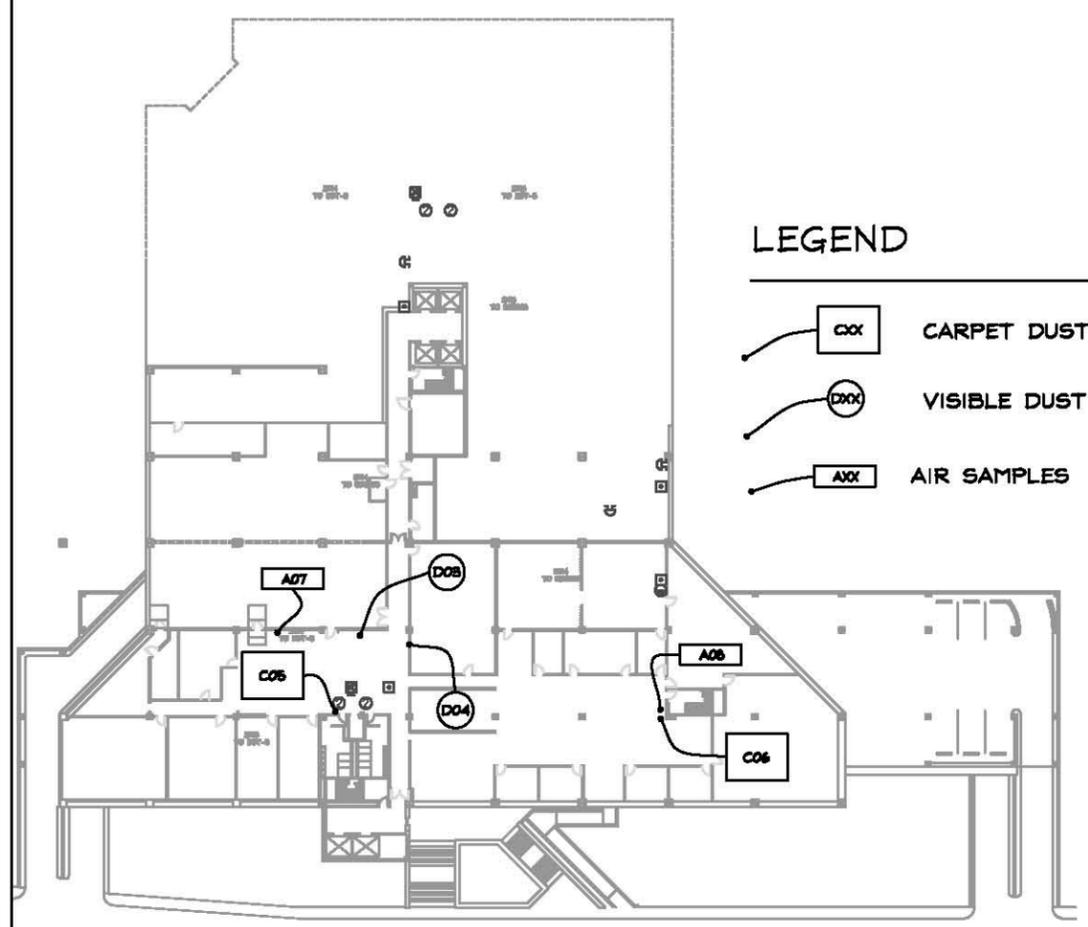
SHEET 5

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

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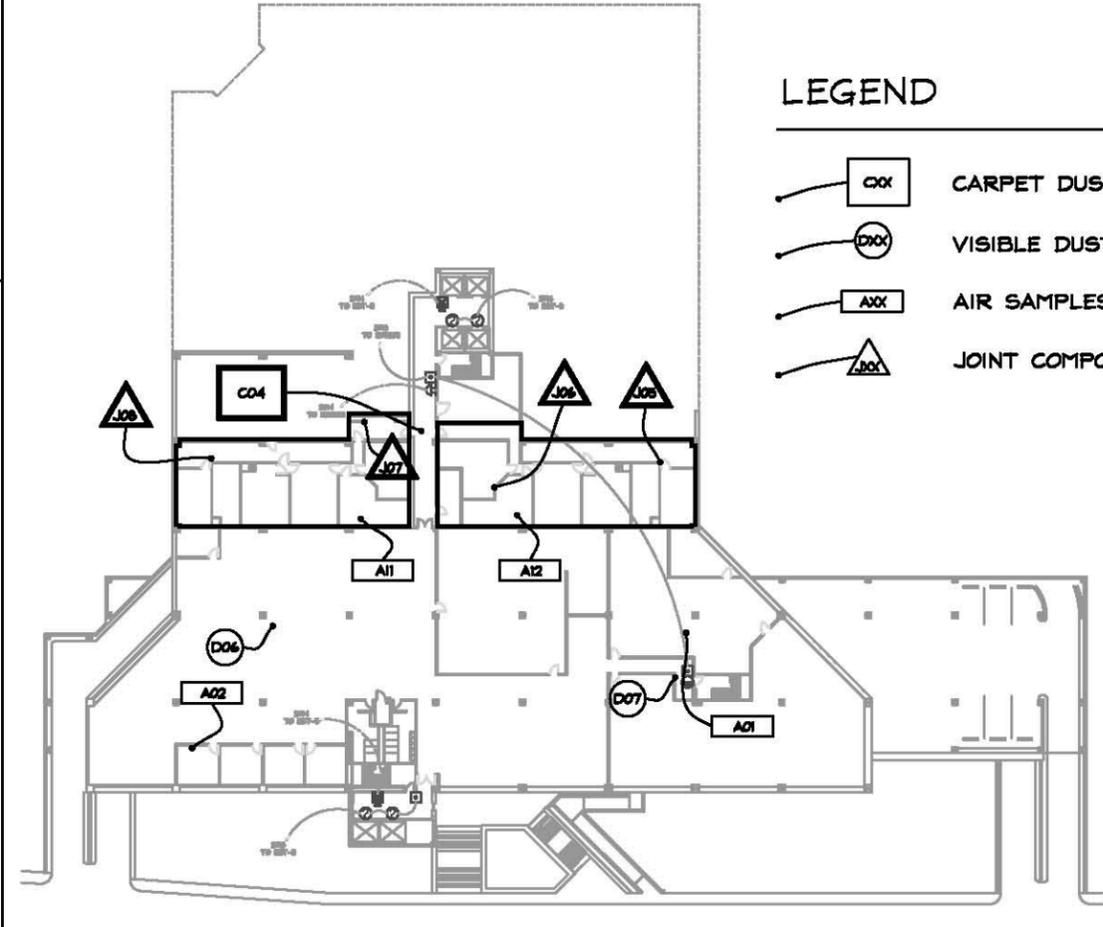
STATE	YEAR
ALASKA	2011



LEGEND

- CARPET DUST SAMPLES
- VISIBLE DUST SAMPLES
- AIR SAMPLES

5A 5TH FLOOR



LEGEND

- CARPET DUST SAMPLES
- VISIBLE DUST SAMPLES
- AIR SAMPLES
- JOINT COMPOUND SAMPLES

5B 6TH FLOOR

ASBESTOS SAMPLE RESULTS ON FLOOR 5

AIR SAMPLES		
SAMPLE	VOLUME LITERS (L)	RESULT (fibers/cc)
A07*	1200	< 0.005
A08*	1200	< 0.005
CARPET DUST SAMPLES		
SAMPLE	AREA cm ²	RESULT (st/cm ²)
C05	232.26	< 3,525
C06	232.26	< 3,525
VISIBLE DUST SAMPLES		
SAMPLE	AREA cm ²	RESULT (st/cm ²)
D03	232.26	< 7,050
D04	258.06	< 3,173

NOTE:

SAMPLES COLLECTED IN NOVEMBER 2010
 BOLD SAMPLES INDICATED DETECTED ASBESTOS RESULT.

- * DENOTES PERSONAL BREATHING ZONE SAMPLES.
- < DENOTES NO DETECTABLE ASBESTOS AT THE REFERENCE LEVEL.
- st/cm² DENOTES STRUCTURES PER CENTIMETER SQUARED

ASBESTOS SAMPLE RESULTS ON FLOOR 6

AIR SAMPLES		
SAMPLE	VOLUME LITERS(L)	RESULTS (fibers/cc)
A01**	1200	< 0.005
A02**	1200	< 0.005
A11***	1200	< 0.005
A12***	1200	< 0.005
CARPET DUST SAMPLES		
SAMPLE	AREA cm ²	RESULT (st/cm ²)
C04	232.26	84,601 Chrysotile
VISIBLE DUST SAMPLES		
SAMPLE	AREA cm ²	RESULT (st/cm ²)
D06	258.06	< 3,173
D07	258.06	< 3,173
JOINT COMPOUND SAMPLES		
SAMPLE	DESCRIPTION	RESULT
J05	White Brittle	2% Chrysotile
J06	White Brittle	2% Chrysotile
J07	White Brittle	2% Chrysotile
J08	White Brittle	2% Chrysotile

NOTE:

SAMPLES COLLECTED IN NOVEMBER 2010
 BOLD SAMPLES INDICATED DETECTED ASBESTOS RESULT.

- * DENOTES PERSONAL BREATHING ZONE SAMPLES.
- *** SAMPLE TAKEN FROM AIR DISCHARGE.
- < DENOTES NO DETECTABLE ASBESTOS AT THE REFERENCE LEVEL.
- st/cm² DENOTES STRUCTURES PER CENTIMETER SQUARED

RECORD OF REVISIONS

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**BASELINE ASBESTOS SAMPLING
LOCATION & RESULTS FLOORS 7&11**

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:
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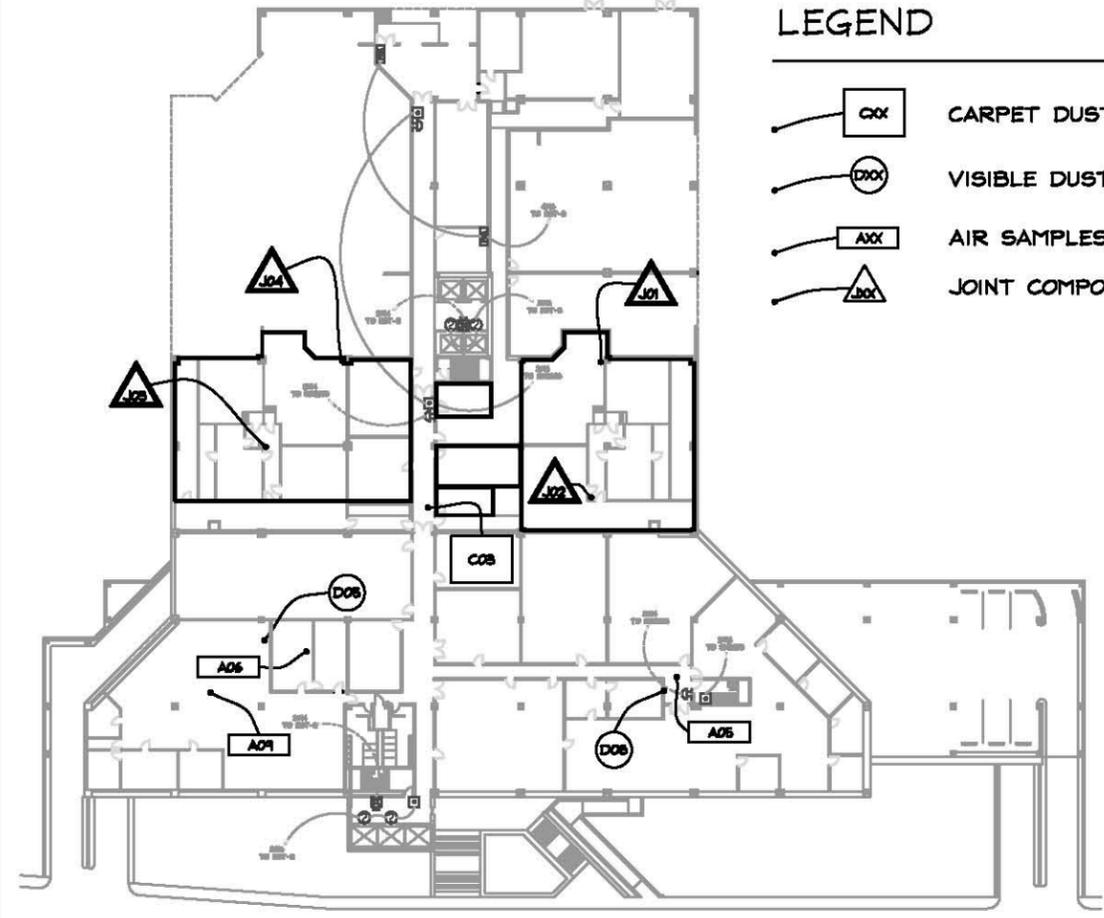
SHEET 6

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

2011-0222-9963

STATE	YEAR
ALASKA	2011



LEGEND

- CARPET DUST SAMPLES
- VISIBLE DUST SAMPLES
- AIR SAMPLES
- JOINT COMPOUND SAMPLES

7A 7TH FLOOR

STATE OFFICE BUILDING

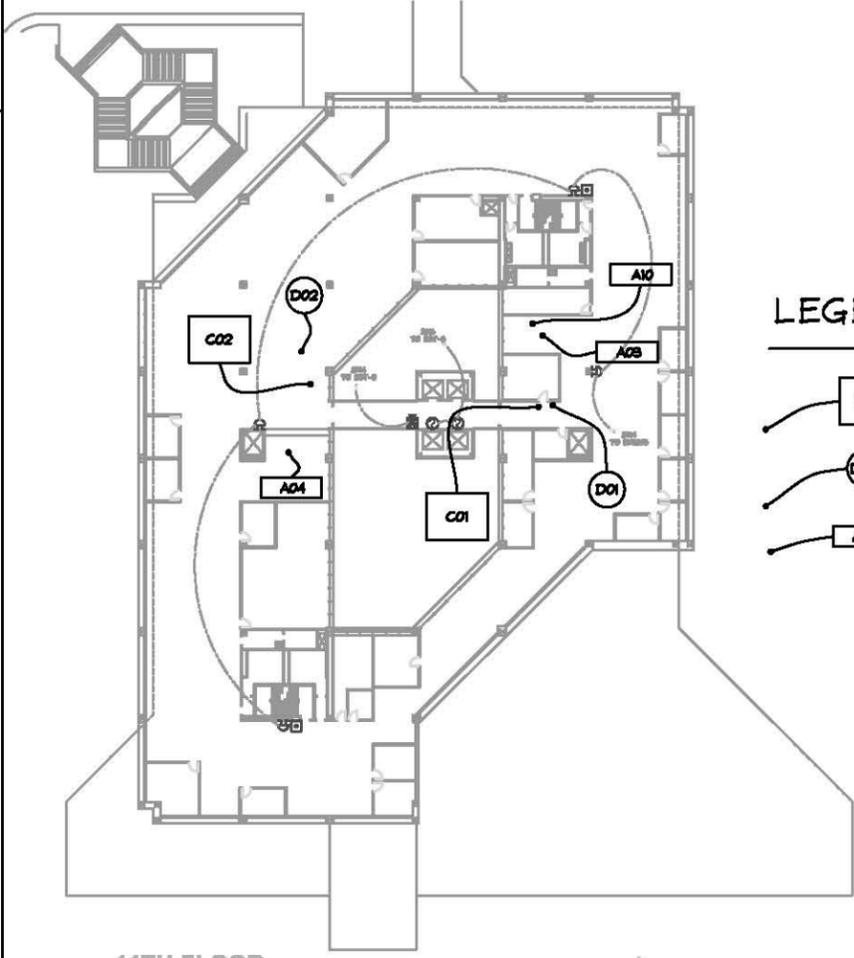
ASBESTOS SAMPLE RESULTS
ON FLOOR 7

AIR SAMPLES		
SAMPLE	VOLUME LITERS(L)	RESULTS (fibers/cc)
A05*	1200	< 0.005
A06*	1200	< 0.005
A09**	1200	< 0.005
CARPET DUST SAMPLES		
SAMPLE	AREA cm ²	RESULT (st/cm ²)
C03	232.26	< 3,525
VISIBLE DUST SAMPLES		
SAMPLE	AREA cm ²	RESULT (st/cm ²)
D05	258.06	< 3,173
D08	258.06	< 3,173
JOINT COMPOUND SAMPLES		
SAMPLE	DESCRIPTION	RESULT
J01	White Brittle	2% Chrysotile
J02	White Brittle	2% Chrysotile
J03	White Brittle	2% Chrysotile
J04	White Brittle	2% Chrysotile

NOTE:

SAMPLES COLLECTED IN NOVEMBER 2010
BOLD SAMPLES INDICATED DETECTED ASBESTOS RESULT.

- * DENOTES PERSONAL BREATHING ZONE SAMPLES.
- ** DENOTES SAMPLE TAKEN FROM HVAC DIFFUSER.
- < DENOTES NO DETECTABLE ASBESTOS AT THE REFERENCE LEVEL.
- st/cm² DENOTES STRUCTURES PER CENTIMETER SQUARED



LEGEND

- CARPET DUST SAMPLES
- VISIBLE DUST SAMPLES
- AIR SAMPLES

11TH FLOOR

STATE OFFICE BUILDING

ASBESTOS SAMPLE RESULTS
ON FLOOR 11

AIR SAMPLES		
SAMPLE	VOLUME LITERS(L)	RESULTS (fibers/cc)
A03*	1200	< 0.005
A04*	1200	< 0.005
A10**	1200	< 0.005
CARPET DUST SAMPLES		
SAMPLE	AREA cm ²	RESULT (st/cm ²)
C01	232.26	< 3,525
C02	232.26	< 3,525
VISIBLE DUST SAMPLES		
SAMPLE	AREA cm ²	RESULT (st/cm ²)
D01	270.97	< 3,021
D02	258.06	< 3,173

NOTE:

SAMPLES COLLECTED IN NOVEMBER 2010
BOLD SAMPLES INDICATED DETECTED ASBESTOS RESULT.

- * DENOTES PERSONAL BREATHING ZONE SAMPLES.
- ** DENOTES SAMPLE TAKEN FROM HVAC DIFFUSER.
- < DENOTES NO DETECTABLE ASBESTOS AT THE REFERENCE LEVEL.
- st/cm² DENOTES STRUCTURES PER CENTIMETER SQUARED



GENERAL NOTES:

Exhaust/Supply air for all mechanical room containment to be provided via existing SOB intake (Floor6) and exhaust (Floor7) openings located in Room 9 in each respective Mechanical Space.

Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas.

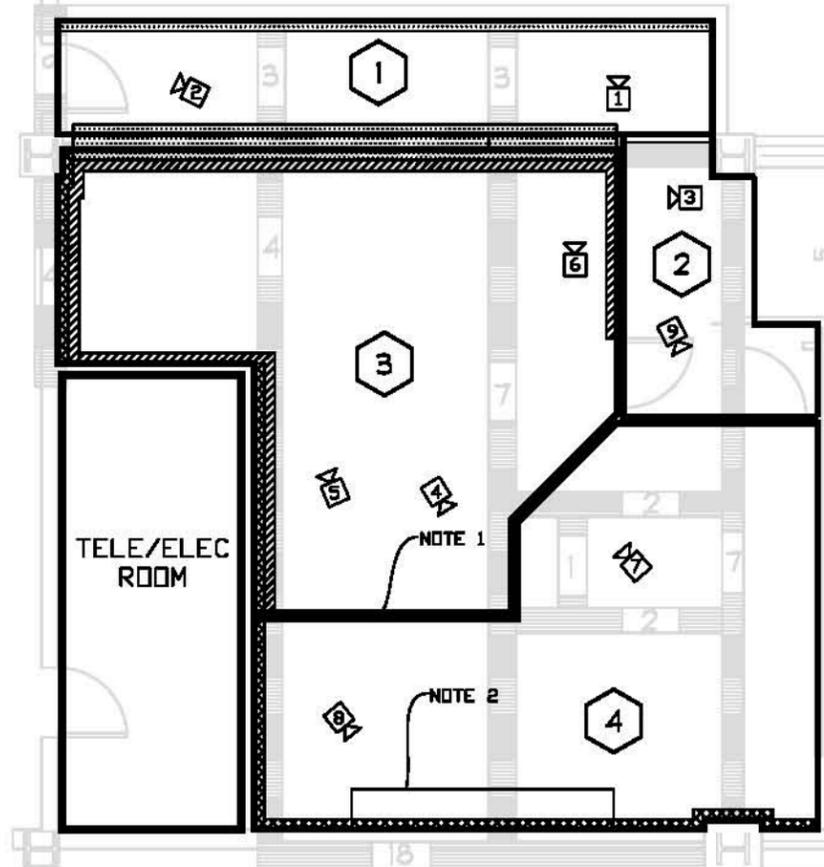
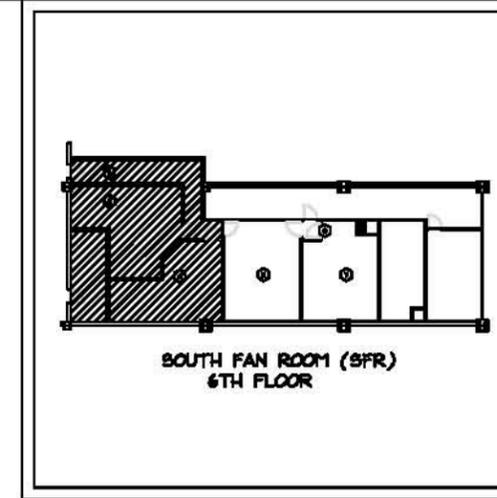
CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.

KEYED NOTES:

1. ABATE/REMOVE ACMFP overspray on louver
2. RETURN air opening from 5th floor plenum to remain open

LEGEND

- ENCLOSURE
- ABATE AND SEAL WALL/CEILING INTERFACE
- REMOVE AND REPLACE SOUNDPROOFING
- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM - SEE BEAM SCHEDULE
- SF - SPRAY FOAM, NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING



BEAM SCHEDULE

BEAM SIZE	SYMBOL						
W8X 17	1	W16X 26	3	W18X 45	7	W24X 120	18
W12X 19	2	W21X 44	4	W18X 55	9		

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam is width in inches, length in feet.



PHOTO #1 - REMOVE SF around pipe and wall penetrations, CLEAN/SEAL penetrations with fire rated sealant.

PHOTO #2 - ABATE, CLEAN, SEAL wall/pan deck penetrations. Prepare beam and pan deck for re-application of fireproofing.

PHOTO #3 - ABATE/REMOVE remaining ACMFP and SF, both sides of partition wall penetration. CLEAN/SEAL penetrations.

PHOTO #4 - ABATE/REMOVE ACMFP and SF both sides of beam wall penetration, CLEAN/SEAL penetrations.

PHOTO #5 - REMOVE and replace with full wall SP.

PHOTO #6 - ABATE/ REMOVE ACMFP and SF from pipe wall penetrations, CLEAN/SEAL penetrations with fire rated sealant.

PHOTO #7 - REMOVE/ABATE containment plastic, ACMFP and SF along wall pan deck interface and beam wall penetration, both sides of partition wall CLEAN and SEAL penetrations.

PHOTO #8 - RETURN air opening from 5th floor plenum to remain open, see keyed note 2.

PHOTO #9 - REMOVE ACMFP and SF around pipe, steel beam and wall penetrations, both sides of partition wall, CLEAN/SEAL penetrations with fire rate sealant.

1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

ROOMS 1, 2, 3, 4, MECH SPACES & TELE/ELEC FLOOR 6S

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA

PLANS DEVELOPED BY:

NORTECH INC.
ENVIRONMENTAL ENGINEERING,
HEALTH & SAFETY CONSULTANTS
4402 THANE RD. JUNEAU, ALASKA
907-586-6813

IN ASSOCIATION WITH:

RLM CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 7

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER
2011-0222-9963

STATE	YEAR
ALASKA	2011





GENERAL NOTES:

Exhaust/Supply air for all mechanical room containment to be provided via existing SOB intake (Floor6) and exhaust (Floor7) openings located in Room 9 in each respective Mechanical Space.

Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas.

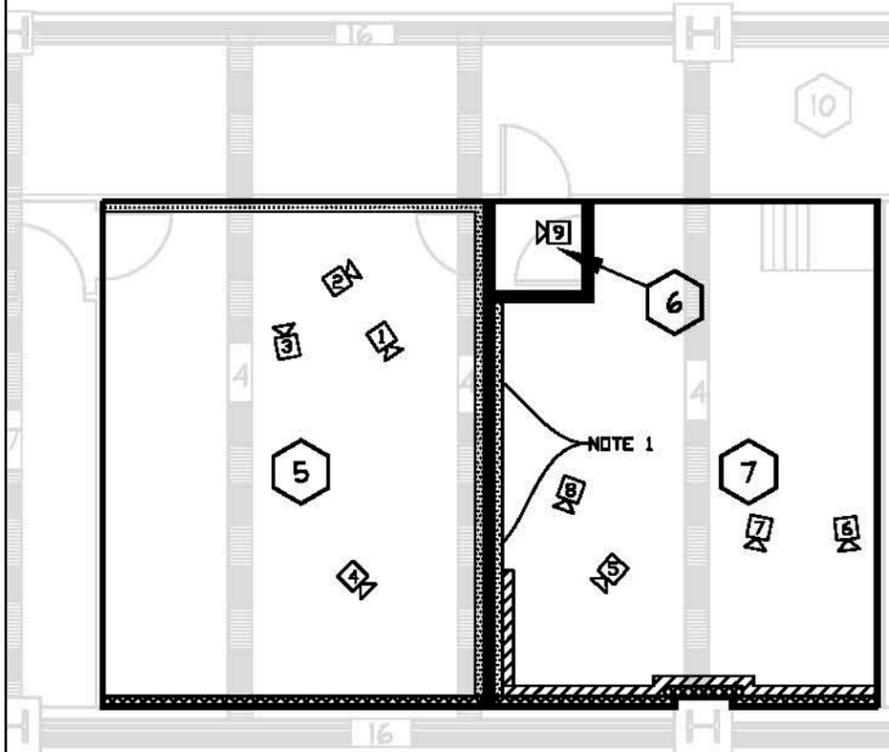
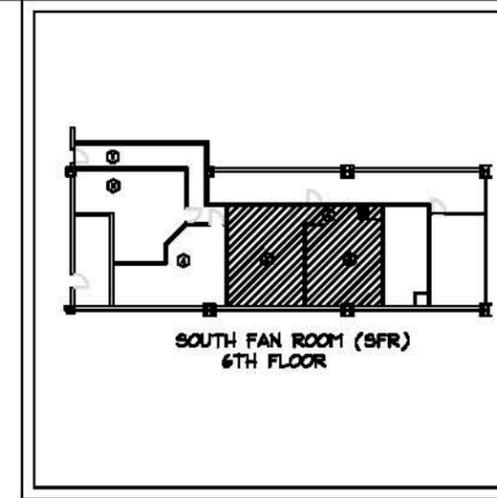
CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.

KEYED NOTES:

1. CONTRACTOR to remove/replace gypsum partition wall board along inaccessible east side of steel beam. Abate ACMFP on east side of steel beam.

LEGEND

- ENCLOSURE
- ABATE AND SEAL WALL/CEILING INTERFACE
- REMOVE AND REPLACE SOUNDPROOFING
- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM - SEE BEAM SCHEDULE
- SF - SPRAY FOAM, NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING



BEAM SCHEDULE

BEAM SIZE	SYMBOL	BEAM SIZE	SYMBOL
W21X 44	4	W24X 76	16
W18X 45	7		

Beam size and layout as provided in available As-builts, CONTRACTOR to verify. Beam schedule is width in inches and length in feet.



PHOTO #1 - ABATE accessible ACMFP, brush and CLEAN steel beam, SEAL wall penetrations and ENCLOSE inaccessible ACMFP on back side of steel beam.



PHOTO #2 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetration, both sides of partition wall. Brush CLEAN steel beam.



PHOTO #3 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetration, both sides of partition wall. Brush and CLEAN steel beam.



PHOTO #4 - ABATE/REMOVE accessible ACMFP and SF, CLEAN and SEAL. ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #5 - ABATE/REMOVE accessible ACMFP and SF along beam partition wall both sides. CLEAN/SEAL penetrations. REMOVE 8'SP and replace with full wall SP on south wall.



PHOTO #6 - ABATE/REMOVE accessible ACMFP and SF, CLEAN/SEAL penetrations. ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #7 - REMOVE 8'SP and replace with full wall SP.



PHOTO #8 - ABATE/REMOVE accessible ACMFP and SF, CLEAN/SEAL penetrations. ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beam. CLEAN pan decking where necessary for FP re-application



PHOTO #9 - ABATE/REMOVE ACMFP and SF both sides of partition wall and pan deck interface, CLEAN/SEAL penetrations.



1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

ROOMS 5, 6, & 7: FLOOR 6S

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:

NORTECH INC,
ENVIRONMENTAL ENGINEERING,
HEALTH & SAFETY CONSULTANTS
4402 THANE RD. JUNEAU, ALASKA
907-586-6813

IN ASSOCIATION WITH:
R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 8

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

2011-0222-9963

STATE	YEAR
ALASKA	2011



GENERAL NOTES:

Exhaust/Supply air for all mechanical room containment to be provided via existing SOB intake (Floor6) and exhaust (Floor7) openings located in Room 9 in each respective Mechanical Space.

Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas.

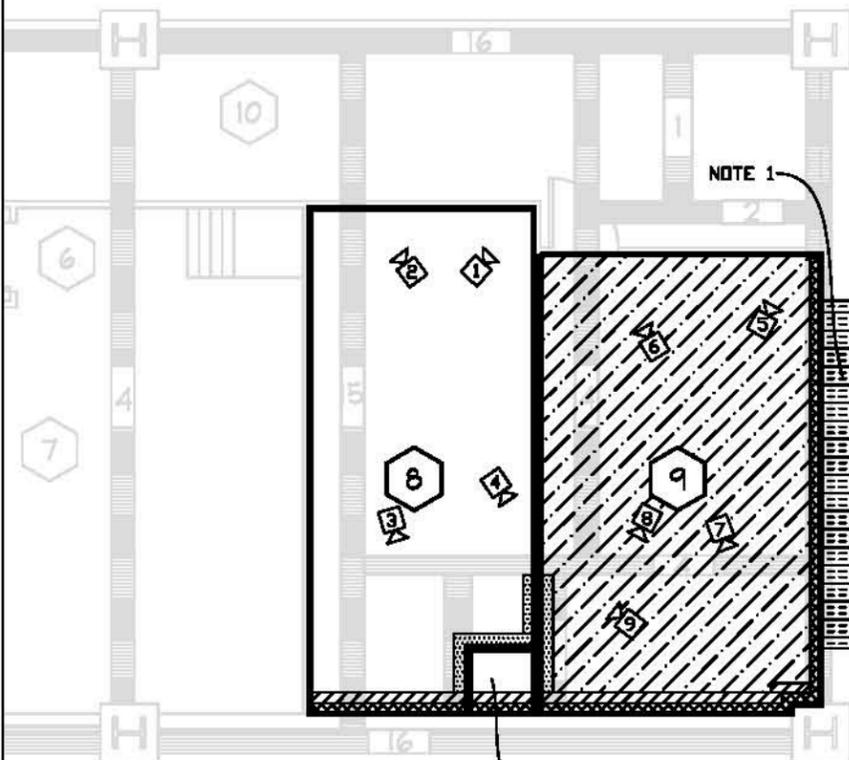
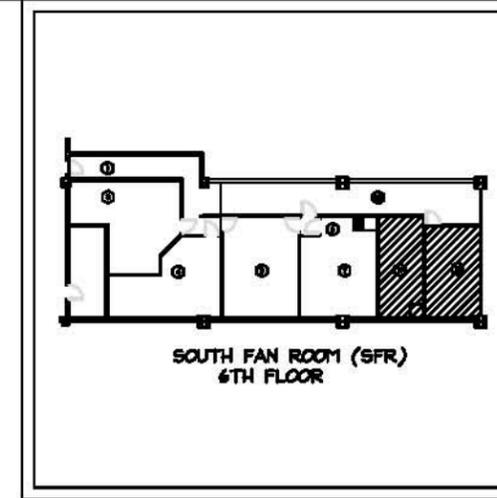
CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.

LEGEND

- ENCLOSURE
- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM - SEE BEAM SCHEDULE
- ABATE AND SEAL WALL/CEILING INTERFACE
- SF - SPRAY FOAM, NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING
- WORK TO BE DONE ON WEEKENDS ONLY

KEYED NOTES:

1. OPERATIONAL AIR INTAKE VENT. TO BE USED AS SUPPLY AND EXHAUST DURING CLEANING AND SEALING WORK FOR THE 6TH AND 7TH FLOOR SOUTH MECHANICAL SPACES.
2. REMOVE WALLBOARD, ABATE ACMFP LOCATED WITHIN, REPLACE WALLBOARD, JOINT TAPE, AND GYPSUM JOINT COMPOUND AND SEAL.



BEAM SCHEDULE

BEAM SIZE	SYMBOL	BEAM SIZE	SYMBOL	BEAM SIZE	SYMBOL
W8X 17	1	W21X 44	4	W24X 76	16
W12X 19	2	W24X 61	15		

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam is width in inches, length in feet.



PHOTO #1 - REMOVE SF around pipe and wall penetrations, CLEAN/SEAL penetrations with fire rated sealant.



PHOTO #2 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetration, both sides of partition wall. Brush and CLEAN steel beam.



PHOTO #3 - ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam. CLEAN pan decking where necessary for FP re-application



PHOTO #4 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetration, both sides of partition wall. Brush and CLEAN steel beam.



PHOTO #5 - ABATE/REMOVE accessible ACMFP and SF, CLEAN/SEAL penetrations. ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #6 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetration, both sides of partition wall. Brush and CLEAN steel beam.



PHOTO #7 - Building air intake to be used for air supply and exhaust for all containment on south mechanical spaces.



PHOTO #8 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetration. Brush and CLEAN steel beam. CLEAN/SEAL penetrations. ENCLOSE any inaccessible ACMFP to remain.



PHOTO #9 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetration, both sides of partition wall. Brush and CLEAN steel beam. CLEAN/SEAL penetrations. ENCLOSE inaccessible ACMFP to remain.

RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION

ROOMS 8 & 9: FLOOR 6S
 2011 ASBESTOS ABATEMENT PROJECT
 JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



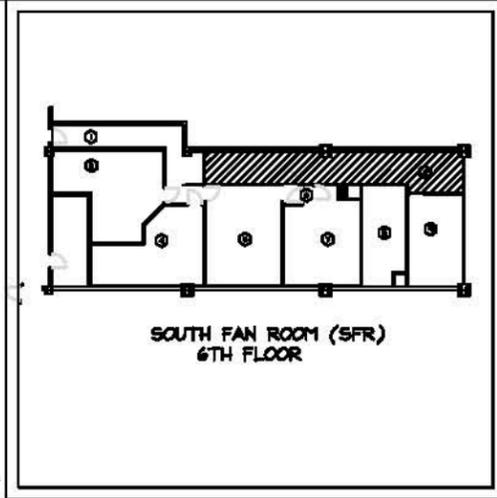
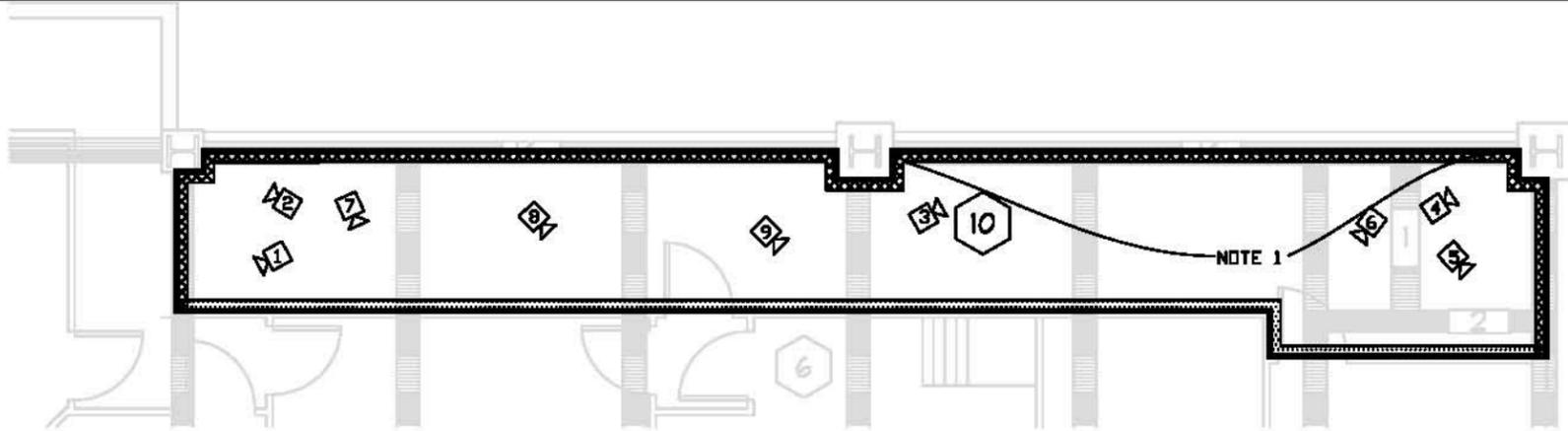
PLANS DEVELOPED BY:
 NORTECH INC.
 ENVIRONMENTAL ENGINEERING,
 HEALTH & SAFETY CONSULTANTS
 4402 THANE RD. JUNEAU, ALASKA
 907-586-6813

IN ASSOCIATION WITH
 R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 9	
TOTAL SHEETS 24	
PROJECT DESIGNATION NUMBER 2011-0222-9963	
STATE ALASKA	YEAR 2011





1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION

LEGEND

- ENCLOSURE
- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM - SEE BEAM SCHEDULE
- ABATE AND SEAL WALL/CEILING INTERFACE
- SF - SPRAY FOAM, NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING

GENERAL NOTES:

Exhaust/Supply air for all mechanical room containment to be provided via existing SDB Intake (Floor6) and exhaust (Floor7) openings located in Room 9 in each respective Mechanical Space.

Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas.

CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.

KEYED NOTES:

1. REPAIR/REPLACE FRAMED PARTITION WALL BETWEEN VERTICAL STEEL COLUMNS.

BEAM SCHEDULE

BEAM SIZE	SYMBOL
W8X 17	1
W12X 19	2
W24X 76	16

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam schedule is width in inches and length in feet.



PHOTO #1 - REMOVE/ABATE ACMFP and SF around vent and along wall pan deck interface and beam wall penetration. Brush and CLEAN steel beam.



PHOTO #2 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and around wall penetration. Brush and CLEAN steel beam. CLEAN/SEAL penetrations.



PHOTO #3 - REMOVE/ABATE ACMFP and SF in project area. Repair/replace and provide reconstructed partition wall ENCLOSURE from adjacent ACMFP to remain



PHOTO #4 - REMOVE SF FROM BEAMS



PHOTO #5 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetration. Brush and CLEAN steel beams. CLEAN/SEAL penetrations.



PHOTO #6 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam & piping wall penetrations, both sides of partition wall. CLEAN/SEAL penetrations.



PHOTO #7 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam & piping wall penetrations, both sides of partition wall. CLEAN/SEAL penetrations.FROM BEAMS



PHOTO #8 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam & piping penetrations, both sides of partition wall. CLEAN/SEAL penetrations.



PHOTO #9 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam & piping wall penetrations, both sides of partition wall. CLEAN/SEAL penetrations.

ROOM 10: FLOOR 6S

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:
 NORTECH INC.
 ENVIRONMENTAL ENGINEERING,
 HEALTH & SAFETY CONSULTANTS
 4402 THANE RD. JUNEAU, ALASKA
 907-586-6813

IN ASSOCIATION WITH
 R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 10

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

2011-0222-9963

STATE	YEAR
ALASKA	2011





GENERAL NOTES:

Exhaust/Supply air for all mechanical room containment to be provided via existing SOB intake (Floor6) and exhaust (Floor7) openings located in Room 9 in each respective Mechanical Space.

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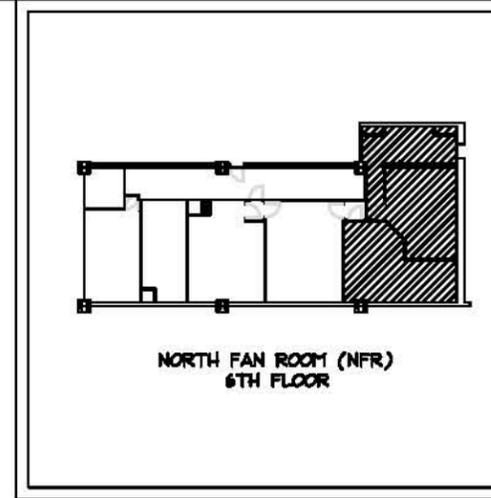
CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.

KEYED NOTES:

1. RETURN air opening from 5th floor plenum to remain open
2. It is necessary to keep access open per sheet #2 design note 23.

LEGEND

- ENCLOSURE
- ABATE AND SEAL WALL/CEILING INTERFACE
- REMOVE AND REPLACE SOUNDPROOFING
- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM - SEE BEAM SCHEDULE
- SF - SPRAY FOAM, NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING

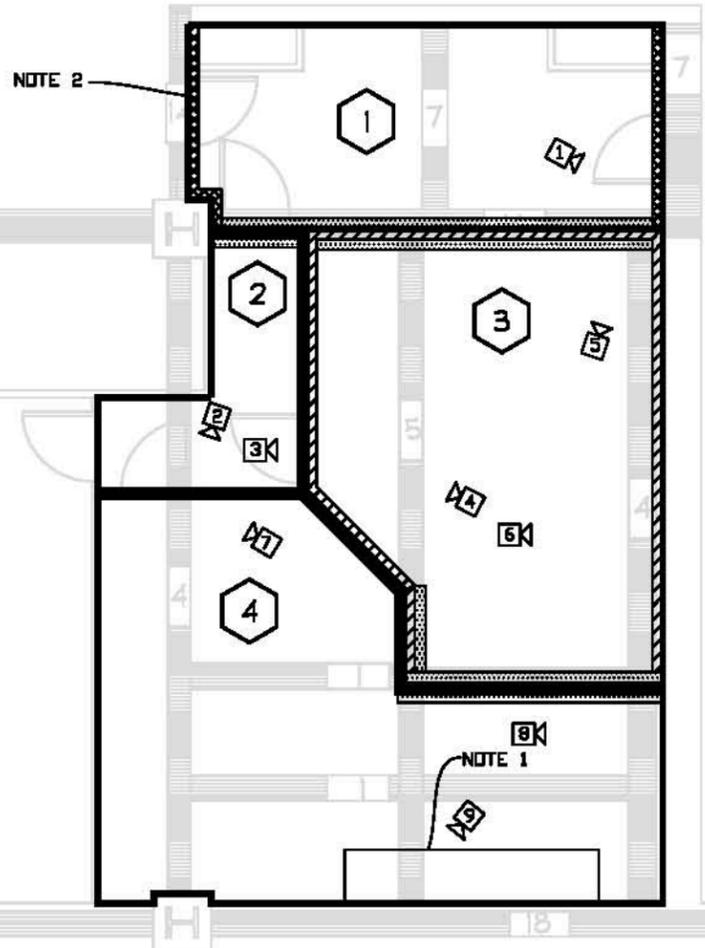


1-24-2011		
ADDENDUM NUMBER		
RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION

ROOMS 1, 2, 3, & 4: FLOOR 6N

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



BEAM SCHEDULE

BEAM SIZE	SYMBOL						
V8X 17	1	W21X 62	5	V24X 55	14	V24X 120	18
V21X 44	4	W18X 45	7	V24X 76	16		

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam is width in inches, length in feet.



PHOTO #1 - CLEAN cable racks. REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetrations. CLEAN/SEAL penetrations.



PHOTO #2 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetrations. Brush and CLEAN steel beams. CLEAN/SEAL penetrations.



PHOTO #3 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and wall penetrations. CLEAN/SEAL penetrations.



PHOTO #4 - REMOVE 8'SP and replace with full wall SP.



PHOTO #5 - REMOVE 8'SP and replace with full wall SP. REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetrations. CLEAN/SEAL penetrations.



PHOTO #6 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and penetrations. Brush and CLEAN steel beams. CLEAN/SEAL penetrations.



PHOTO #7 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and penetrations. Brush and CLEAN steel beams. CLEAN/SEAL penetrations.



PHOTO #8 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and penetrations. Brush and CLEAN steel beams. CLEAN/SEAL penetrations.



PHOTO #9 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetrations. Brush and CLEAN steel beams. CLEAN/SEAL penetrations.



PLANS DEVELOPED BY:
NORTECH INC.
 ENVIRONMENTAL ENGINEERING,
 HEALTH & SAFETY CONSULTANTS
 4402 THANE RD. JUNEAU, ALASKA
 907-586-6813

IN ASSOCIATION WITH:
R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH	
SHEET 11	
TOTAL SHEETS 24	
PROJECT DESIGNATION NUMBER	
2011-0222-9963	
STATE	YEAR
ALASKA	2011



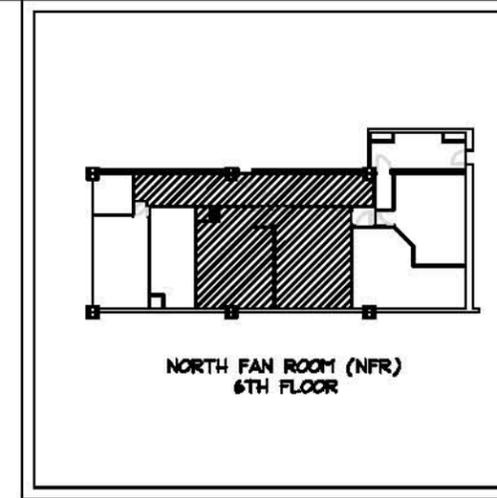


GENERAL NOTES:

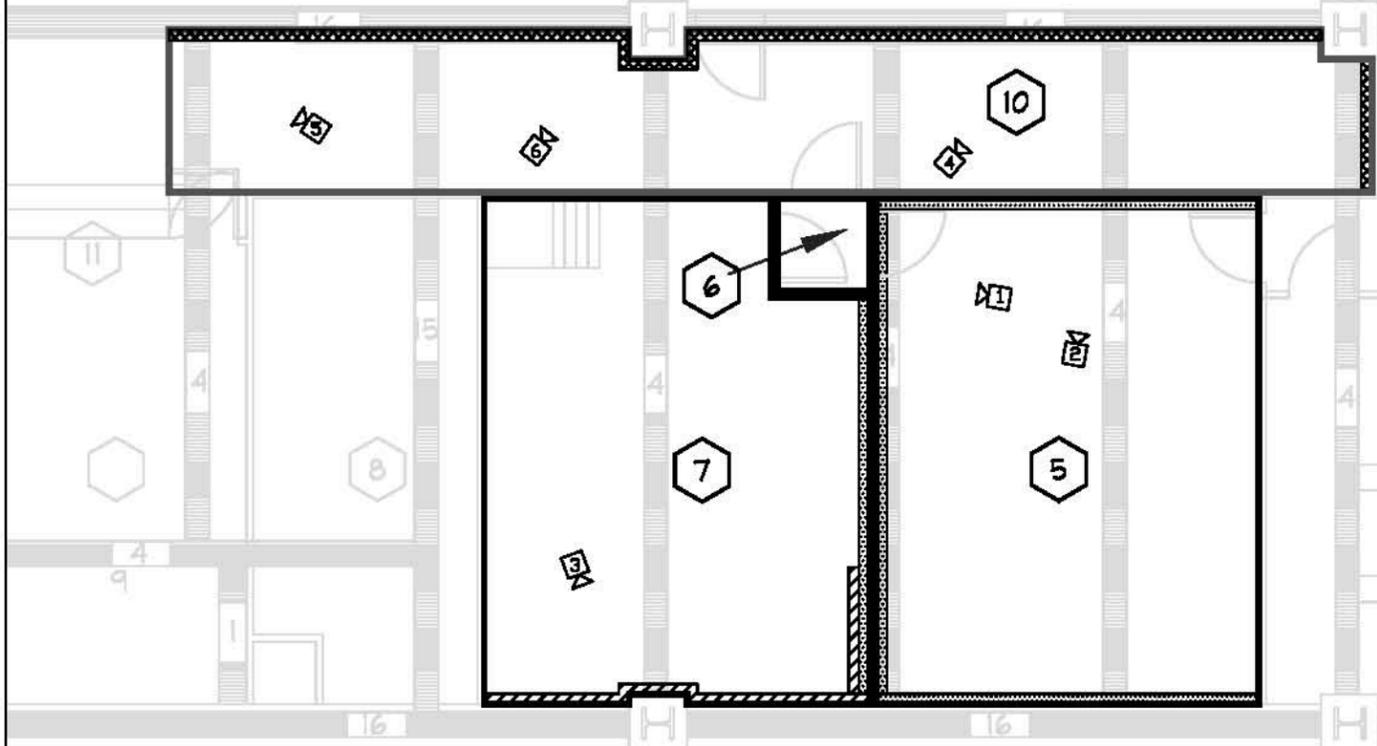
Exhaust/Supply air for all mechanical room containment to be provided via existing SDB intake (Floor6) and exhaust (Floor7) openings located in Room 9 in each respective Mechanical Space.

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CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.



NORTH FAN ROOM (NFR)
6TH FLOOR



LEGEND

- ENCLOSURE
- ABATE AND SEAL WALL/CEILING INTERFACE
- REMOVE AND REPLACE SOUNDPROOFING
- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM - SEE BEAM SCHEDULE
- SF - SPRAY FOAM, NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING



PHOTO #1 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetrations. Brush and CLEAN steel beams. CLEAN/SEAL penetrations



PHOTO #2 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetrations. Brush and CLEAN steel beams. CLEAN/SEAL penetrations



PHOTO #3 - REMOVE 8' SF and replace with full wall SF. REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetrations. Brush and CLEAN steel beams.



PHOTO #4 - REMOVE/ABATE ACMFP and SF along wall pan deck interface. Brush and CLEAN steel beams. Repair/Replace framed partition wall and ENCLOSE.



PHOTO #5 - REMOVE/ABATE ACMFP and SF along wall pan deck interface. Brush and CLEAN steel beams. Repair/Replace framed partition wall and ENCLOSE adjacent area ACMFP to remain.



PHOTO #6 - REMOVE/ABATE ACMFP and SF along wall pan deck interface. Brush and CLEAN steel beams. Repair/Replace framed partition wall and ENCLOSE adjacent area ACMFP to remain.

BEAM SCHEDULE

BEAM SIZE	SYMBOL
W21X 44	4
W24X 61	15
W24X 76	16

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam schedule is width in inches and length in feet.



1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

ROOMS 5, 6, 7, & 10: FLOOR 6N

2011 ASBESTOS ABATEMENT PROJECT
JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:
NORTECH INC.
ENVIRONMENTAL ENGINEERING,
HEALTH & SAFETY CONSULTANTS
4402 THANE RD. JUNEAU, ALASKA
907-586-6813

IN ASSOCIATION WITH:
R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 12

TOTAL SHEETS 24

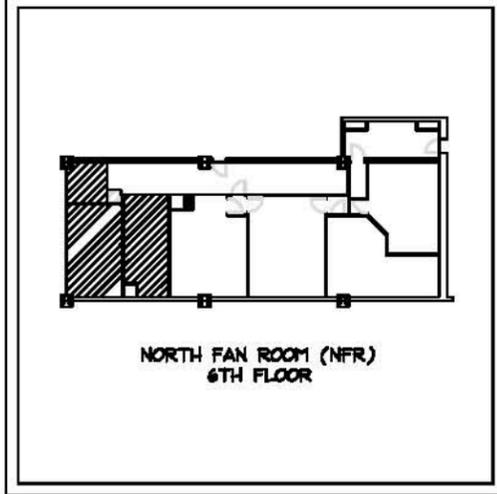
PROJECT DESIGNATION NUMBER

2011-0222-9963

STATE	YEAR
ALASKA	2011



NO.	DATE	DESCRIPTION



KEYED NOTES:

1. OPERATIONAL AIR INTAKE VENT. TO BE USED AS SUPPLY AND EXHAUST DURING CLEANING AND SEALING WORK FOR THE 6TH AND 7TH FLOOR NORTH MECHANICAL SPACES.
2. POSSIBLE AIR EXHAUST VENT
3. REMOVE WALLBOARD, ABATE ACMFP LOCATED WITHIN, REPLACE WALLBOARD, JOINT TAPE, AND GYPSUM JOINT COMPOUND AND SEAL.

GENERAL NOTES:

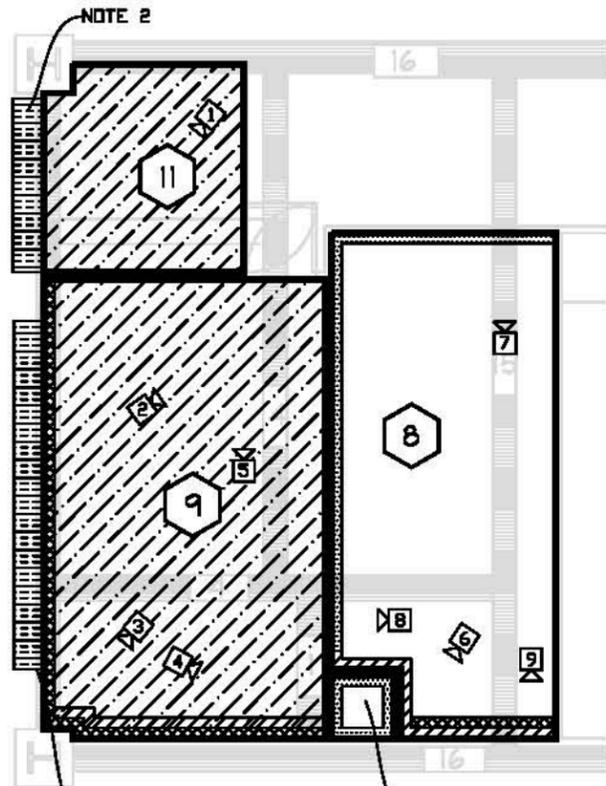
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Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas.

CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.

LEGEND

- ENCLOSURE
- REMOVE AND REPLACE SOUNDPROOFING
- SF - SPRAY FOAM, NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING
- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM - SEE BEAM SCHEDULE
- WORK TO BE DONE ON WEEKENDS ONLY
- ABATE AND SEAL WALL/CEILING INTERFACE



BEAM SCHEDULE

BEAM SIZE	SYMBOL	BEAM SIZE	SYMBOL	BEAM SIZE	SYMBOL
WBX 17	1	W21X 62	5	W24X 76	16
W21X 44	4	W24X 61	15		

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam is width in inches, length in feet.



PHOTO #1 - Duct work and electrical located in room 11, typical.



PHOTO #2 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam wall penetrations. Brush and CLEAN steel beams. CLEAN pan decking where necessary.



PHOTO #3 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam, wall penetrations. Brush and CLEAN steel beams. CLEAN/SEAL penetrations



PHOTO #4 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam, wall penetrations. Brush and CLEAN steel beams. CLEAN/SEAL penetration



PHOTO #5 - Pan decking typical throughout. CLEAN pan decking where necessary to prepare substrate for re-application of non ACM FP.



PHOTO #6 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam, wall penetrations. Brush and CLEAN steel beams. CLEAN/SEAL penetrations.



PHOTO #7 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam, wall penetrations, both sides of partition wall. Brush and CLEAN steel beams. CLEAN/SEAL penetrations



PHOTO #8 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam, wall penetrations. Brush and CLEAN steel beams. CLEAN/SEAL penetrations



PHOTO #9 - REMOVE/ABATE ACMFP and SF along wall pan deck interface and beam, wall penetrations. Brush and CLEAN steel beams. CLEAN/SEAL penetrations

ROOMS 8, 9, & 11: FLOOR 6N

2011 ASBESTOS ABATEMENT PROJECT
JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:
NORTECH INC.
ENVIRONMENTAL ENGINEERING,
HEALTH & SAFETY CONSULTANTS
4402 THANE RD. JUNEAU, ALASKA
907-586-6813

IN ASSOCIATION WITH:
R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 13

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

2011-0222-9963

STATE	YEAR
ALASKA	2011





LOADING DOCK



GENERAL NOTES:

Exhaust/Supply air for all mechanical room containment to be provided via hallway and loading dock.

Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas.

CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.

EXHAUST/SUPPLY AIR FOR CONTAINMENT TO BE PROVIDED VIA 7TH FLOOR LOADING DOCK HALLWAY

LEGEND

- ENCLOSURE
- ABATE AND SEAL WALL/CEILING INTERFACE
- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM
- SF - SPRAY FOAM, NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING
- WORK TO BE DONE ON WEEKENDS ONLY



PHOTO #1 - ABATE/REMOVE accessible ACMFP and SF along wall/floor interface and wall penetrations. CLEAN/SEAL penetrations. ENCLOSE inaccessible ACMFP to remain.



PHOTO #2 - ABATE/REMOVE accessible ACMFP and SF along wall/floor interface and wall penetrations. CLEAN/SEAL penetrations. ENCLOSE inaccessible ACMFP to remain.



PHOTO #3 - ABATE/REMOVE accessible ACMFP and SF along wall/floor interface. ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #4 - ABATE/REMOVE accessible ACMFP and SF around wall penetrations. CLEAN/SEAL penetrations. Brush and CLEAN steel beam



PHOTO #5 - ABATE/REMOVE accessible ACMFP and SF along wall/floor interface and beam, wall penetrations. CLEAN/SEAL penetrations. ENCLOSE any inaccessible ACMFP to remain.



PHOTO #6 - ABATE/REMOVE accessible ACMFP and SF along wall/floor interface. SEAL and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beam.



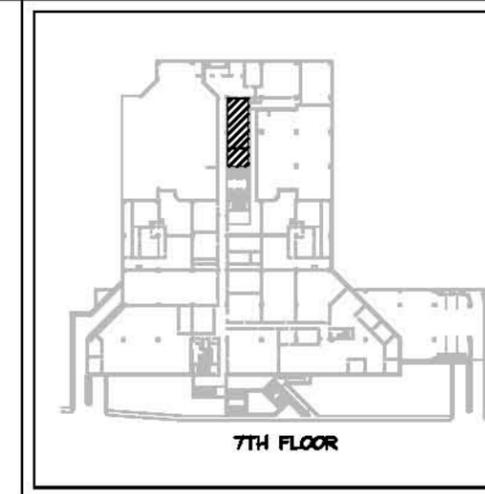
PHOTO #7 - ABATE/REMOVE accessible ACMFP and SF. ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #8 - ABATE/REMOVE accessible ACMFP and SF. ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #9 - ABATE/REMOVE accessible ACMFP and SF along wall/floor interface. SEAL and ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam. CLEAN pan decking where necessary



**COMPACTOR, ENVELOPE ROOMS
FLOOR 7N**

2011 ASBESTOS ABATEMENT PROJECT
JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA

1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION



PLANS DEVELOPED BY:

NORTECH INC.
ENVIRONMENTAL ENGINEERING,
HEALTH & SAFETY CONSULTANTS
4402 THANE RD. JUNEAU, ALASKA
907-586-6813

IN ASSOCIATION WITH:
RJM CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 14

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

2011-0222-9963

STATE YEAR

ALASKA 2011



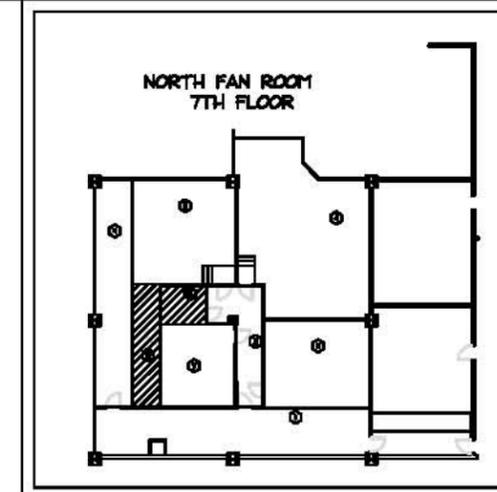
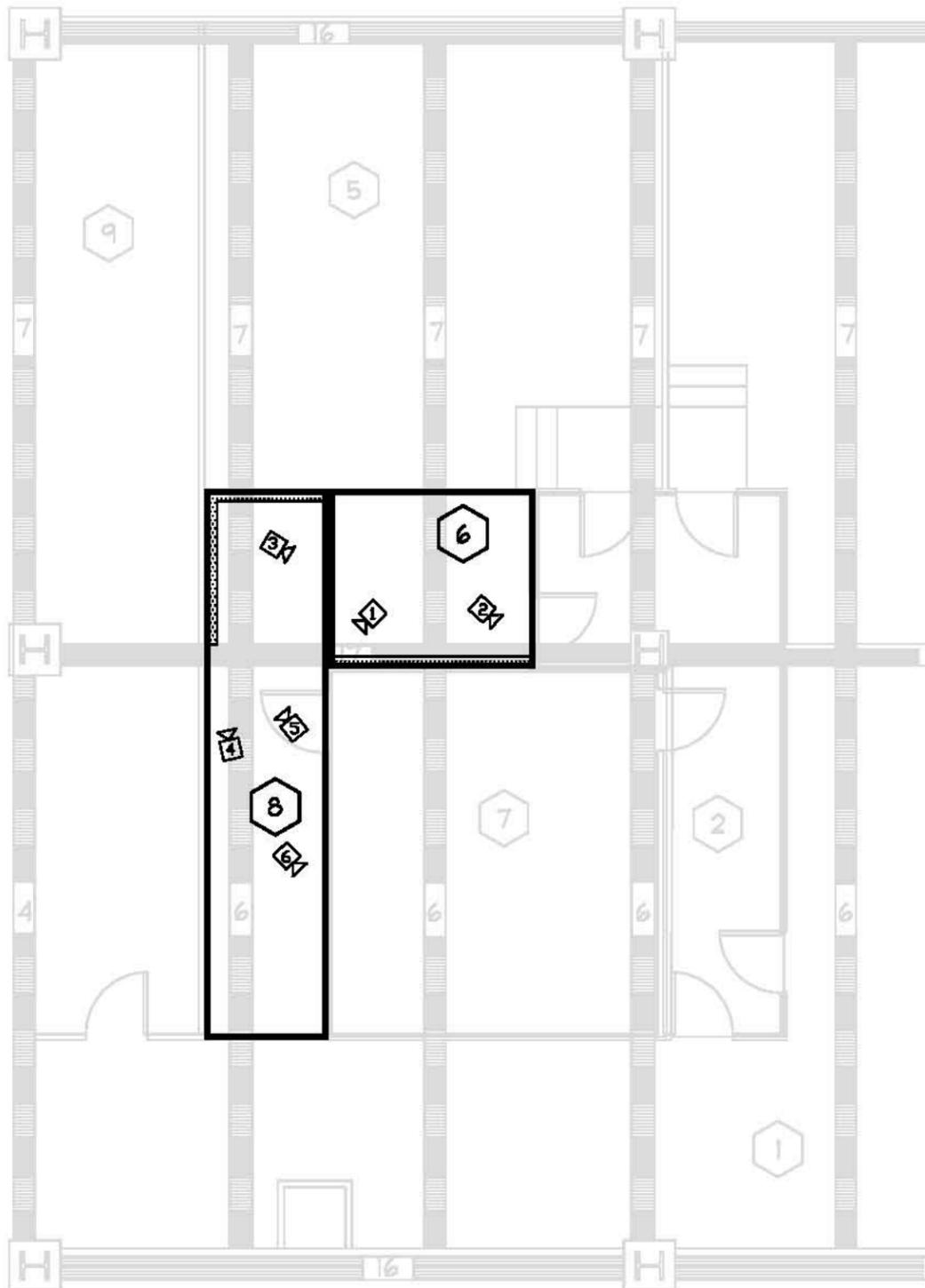


GENERAL NOTES:

Exhaust/Supply air for all mechanical room containment to be provided via existing SDB Intake (Floor6) and exhaust (Floor7) openings located in Room 9 in each respective Mechanical Space.

Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas.

CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.



LEGEND

- PHOTO # NUMBER AND CAMERA DIRECTION
- ABATE AND SEAL WALL/CEILING INTERFACE
- BEAM - SEE BEAM SCHEDULE
- SF - SPRAY FOAM NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING



PHOTO #1 - ABATE/REMOVE accessible ACMFP and SF along wall/floor interface and penetrations. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain.



PHOTO #2 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam. CLEAN pan decking where



PHOTO #3 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #4 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #5 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #6 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam.

BEAM SCHEDULE

BEAM SIZE	SYMBOL
W18X 35	6
W18X 45	7
W24X 94	17

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam schedule is width in inches and length in feet.



1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

ROOMS 6 & 8: FLOOR 7N

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:

NORTECH INC.
ENVIRONMENTAL ENGINEERING,
HEALTH & SAFETY CONSULTANTS
4402 THANE RD. JUNEAU, ALASKA
907-586-6813

IN ASSOCIATION WITH:
R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 15

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

2011-0222-9963

STATE	YEAR
ALASKA	2011

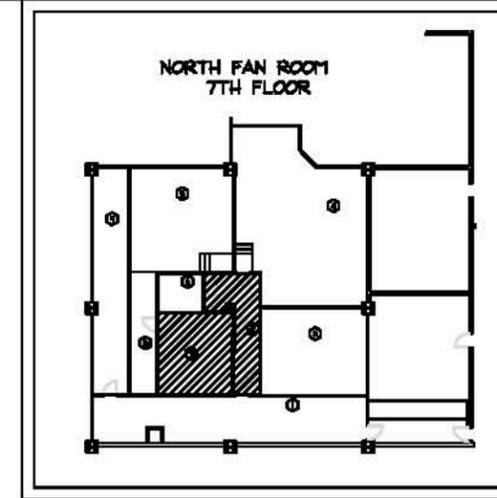
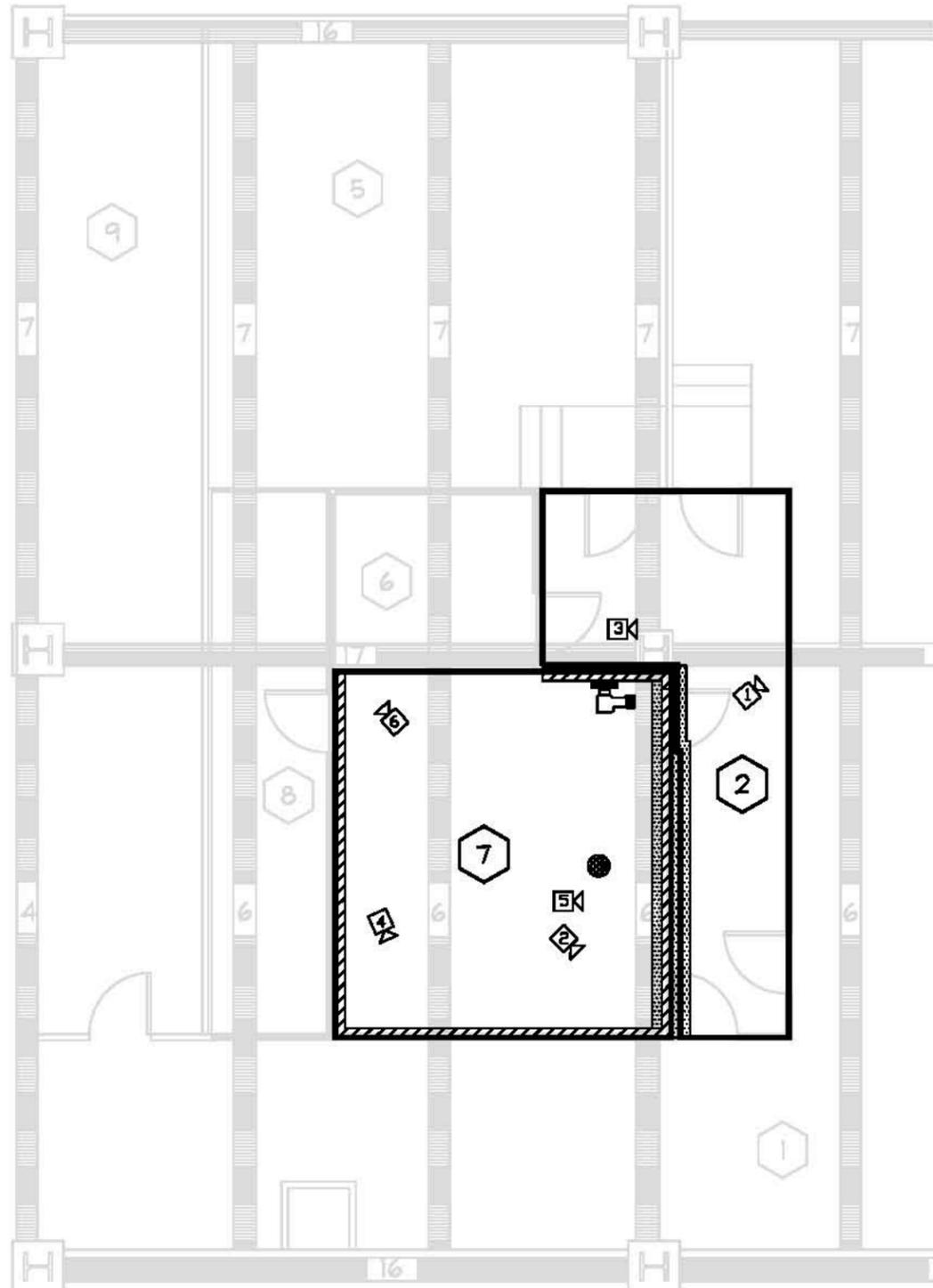


GENERAL NOTES:

Exhaust/Supply air for all mechanical room containment to be provided via existing SDB intake (Floor6) and exhaust (Floor7) openings located in Room 9 in each respective Mechanical Space.

Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas.

CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.



LEGEND

- REMOVE AND REPLACE SOUNDPROOFING
- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM - SEE BEAM SCHEDULE
- ABATE AND SEAL WALL/CEILING INTERFACE
- FLOOR DRAIN
- HOSE BIB
- ACMFP - ASBESTOS CONTAINING FIREPROOFING
- SF - SPRAY FOAM, NOT RATED AS FIRE RATED SEALANT



PHOTO #1 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #2 - ABATE/REMOVE ACMFP and SF on beam by removing/replacing gypsum wall board on partition wall to access. SEAL reconstructed partition wall.



PHOTO #3 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #4 - ABATE/REMOVE ACMFP and SF on beam by removing/replacing gypsum wall board on partition wall to access. SEAL reconstructed partition wall.



PHOTO #5 - Repair damaged pipe insulation ends, ABATE/CLEAN and SEAL penetrations.



PHOTO #6 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam.

BEAM SCHEDULE

BEAM SIZE	SYMBOL
W18X35	6
W24X94	17

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam schedule is width in inches and length in feet.



1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

ROOMS 2 & 7: FLOOR 7N

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:

NORTECH INC.
ENVIRONMENTAL ENGINEERING,
HEALTH & SAFETY CONSULTANTS
4402 THANE RD. JUNEAU, ALASKA
907-586-6813

IN ASSOCIATION WITH
R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 16

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

2011-0222-9963

STATE	YEAR
ALASKA	2011



GENERAL NOTES:

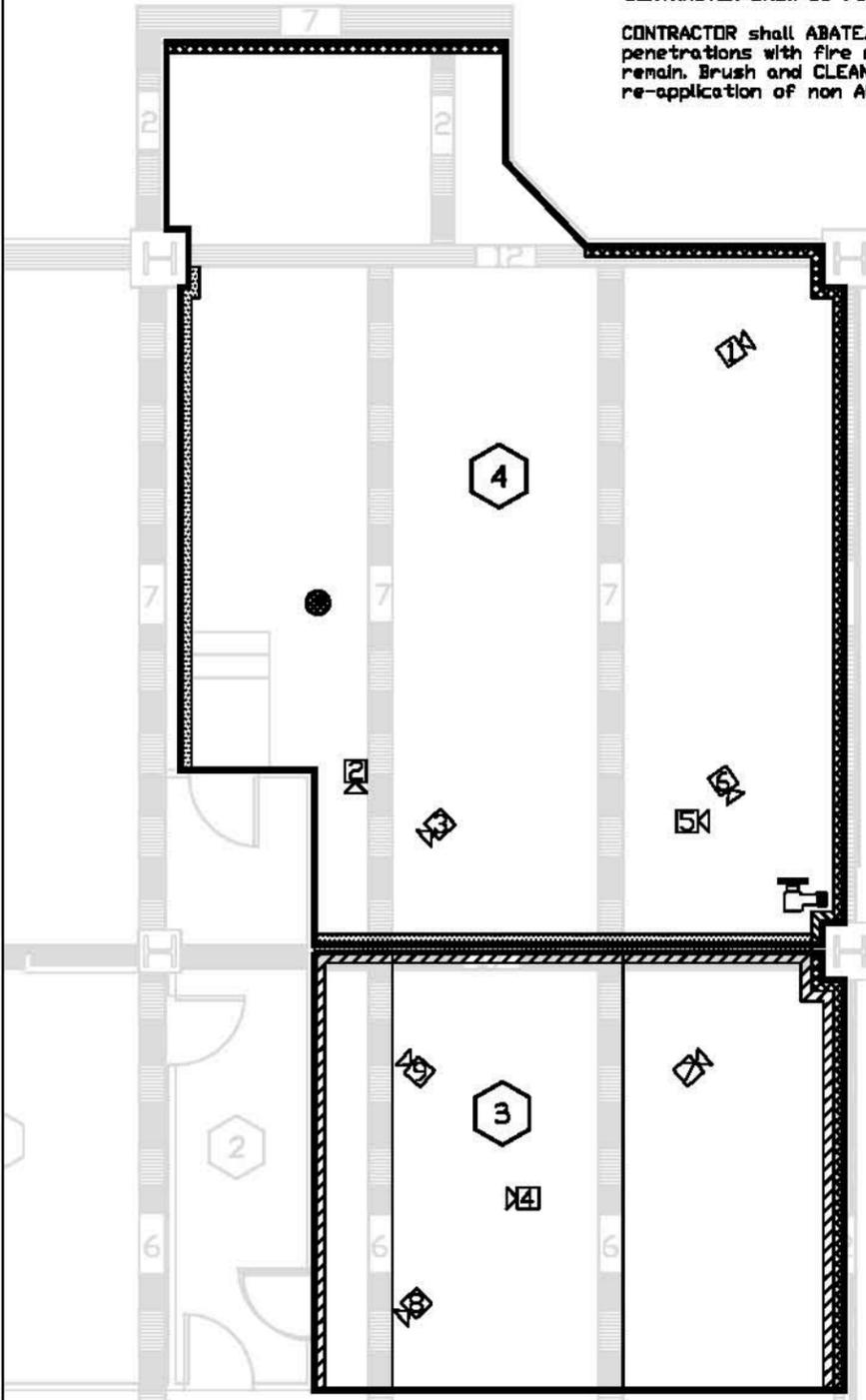
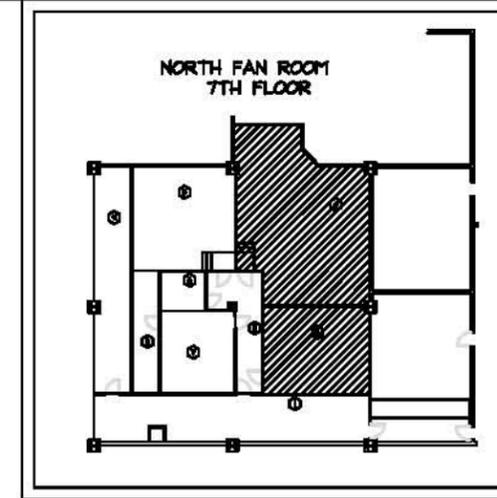
Exhaust/Supply air for all mechanical room containment to be provided via existing SOB Intake (Floor6) and exhaust (Floor7) openings located in Room 9 in each respective Mechanical Space.

Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas.

CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.

LEGEND

- ENCLOSURE
- ABATE AND SEAL WALL/CEILING INTERFACE
- REMOVE AND REPLACE SOUNDPROOFING
- SF - SPRAY FOAM, NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING
- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM - SEE BEAM SCHEDULE
- FLOOR DRAIN
- HOSE BIB



BEAM SCHEDULE

BEAM SIZE	SYMBOL						
W12X 19	2	W18X 35	6	W18X 45	7	W21X 44	12

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam schedule is width in inches, length in feet.



PHOTO #1 - ABATE/REMOVE Styrofoam, ACMFP and SF CLEAN and SEAL.



PHOTO #2 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain.



PHOTO #3 - ABATE/REMOVE containment plastic, accessible ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain.



PHOTO #4 - ABATE/REMOVE ACMFP and SF around pipe wall penetrations and SEAL.



PHOTO #5 - Repair/replace wall enclosure of ACMFP in wall cavity to remain.



PHOTO #6 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations. Brush and CLEAN steel beam.



PHOTO #7 - REMOVE 8'SP and replace with full wall SP. ABATE/REMOVE ACMFP and SF. SEAL all penetrations. Brush and CLEAN steel beam.



PHOTO #8 - Repair/replace wall. ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #9 - REMOVE 8'SP and replace with full wall SP. ABATE/REMOVE containment plastic, ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam.

1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

ROOMS 3 & 4: FLOOR 7N

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:

NORTECH INC.
ENVIRONMENTAL ENGINEERING,
HEALTH & SAFETY CONSULTANTS
4402 THANE RD. JUNEAU, ALASKA
907-586-6813

IN ASSOCIATION WITH:
R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 17

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

2011-0222-9963

STATE YEAR

ALASKA 2011





GENERAL NOTES:

Exhaust/Supply air for all mechanical room containment to be provided via existing SOB Intake (Floor6) and exhaust (Floor7) openings located in Room 9 in each respective Mechanical Space.

Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas.

CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF. SEAL all room penetrations with fire rated materials and ENCLOSE any Inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.

LEGEND

- ENCLOSURE
- BEAM - SEE BEAM SCHEDULE
- WORK TO BE DONE ON WEEKENDS ONLY
- REMOVE AND REPLACE SOUNDPROOFING
- PHOTO # NUMBER AND CAMERA DIRECTION
- FLOOR DRAIN
- HOSE BIB
- SF - SPRAY FOAM NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING
- ABATE AND SEAL WALL/CEILING INTERFACE

KEYED NOTES:

1. OPERATIONAL AIR EXHAUST VENT. TO BE USED AS SUPPLY AND EXHAUST DURING CLEANING AND SEALING WORK FOR 6TH AND 7TH FLOOR NORTH MECHANICAL SPACE
2. OUTSIDE AIR DAMPER FROM 6TH FLOOR
3. EXHAUST DAMPER FROM 6TH FLOOR

BEAM SCHEDULE

BEAM SIZE	SYMBOL
W21X 44	4
W18X 35	6
W18X 45	7
W24X 76	16
W24X 94	17

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify, Beam schedule width in inches and length in feet.

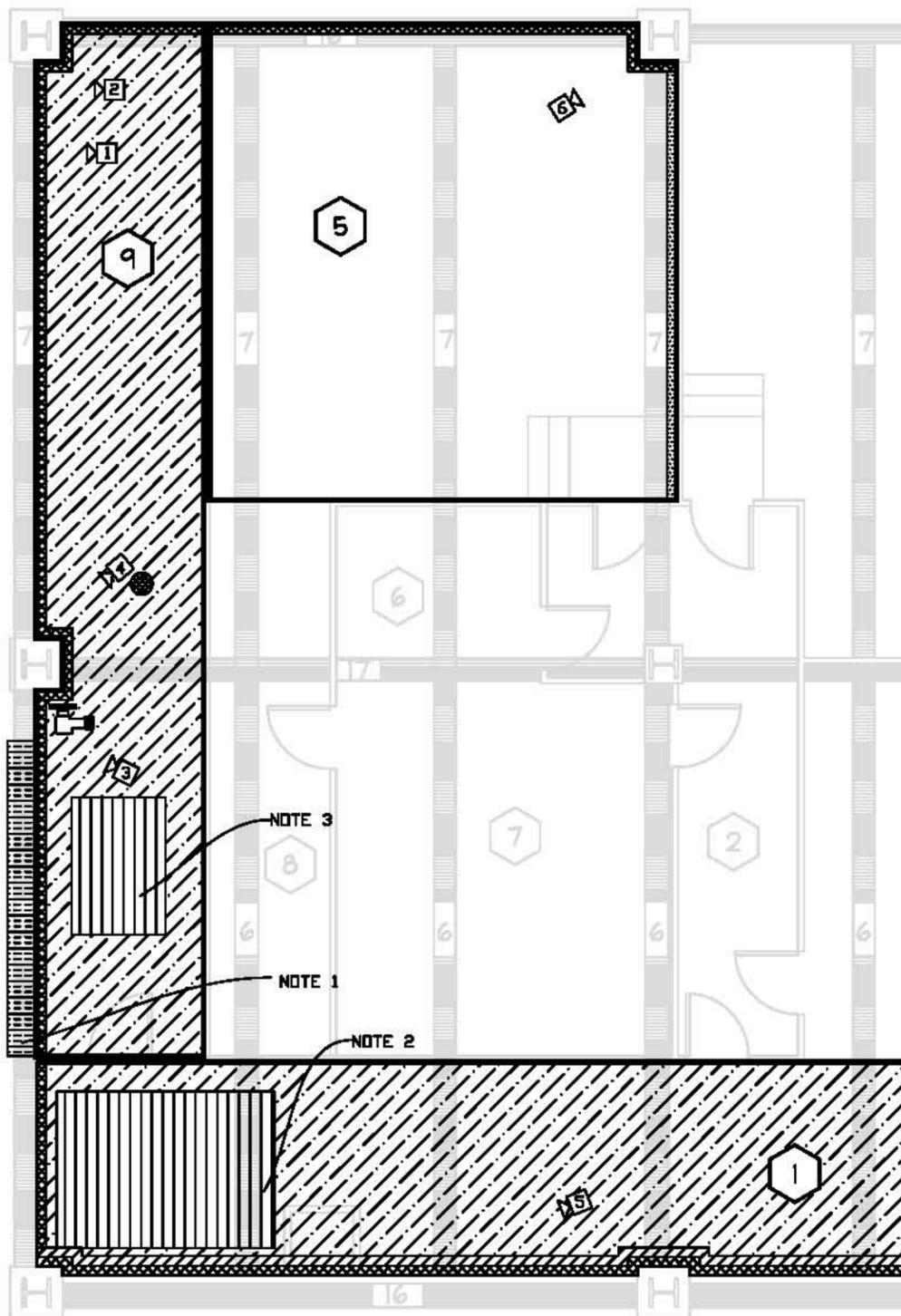


PHOTO #1 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE Inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #2 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE Inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #3 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE Inaccessible ACMFP to remain. Brush and CLEAN steel beam.



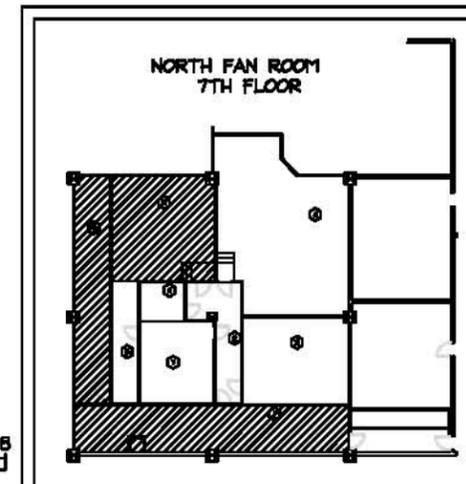
PHOTO #4 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE Inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #5 - REMOVE 8\"/>



PHOTO #6 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE Inaccessible ACMFP to remain. Brush and CLEAN steel beam.



1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

ROOMS 1, 5, 9, & 10: FLOOR 7N

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA

PLANS DEVELOPED BY:

NORTECH INC.
ENVIRONMENTAL ENGINEERING,
HEALTH & SAFETY CONSULTANTS
4402 THANE RD. JUNEAU, ALASKA
907-586-6813

IN ASSOCIATION WITH:

R&M CONSULTANTS, INC.

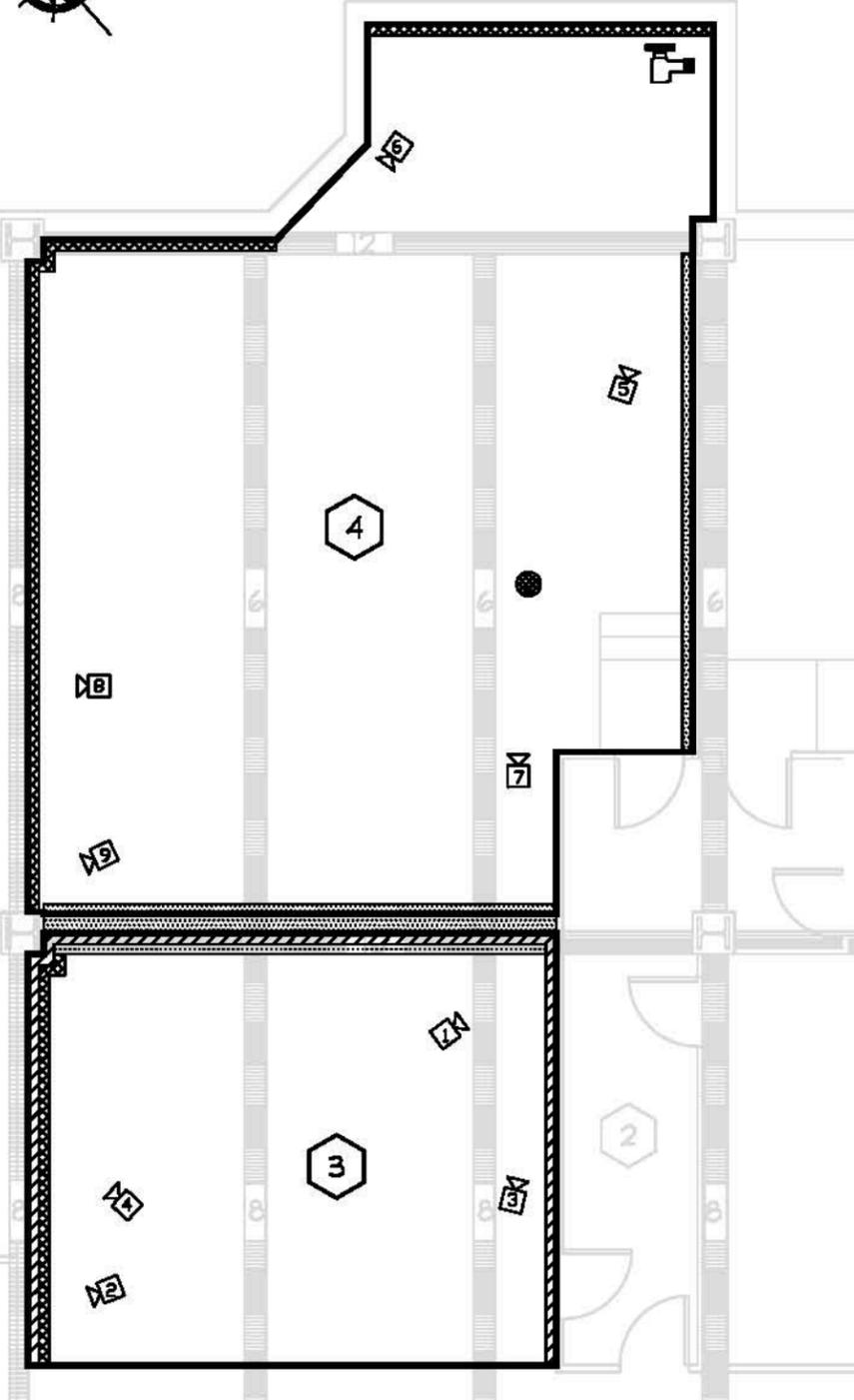
DRAWN BY: BPC APP: JMH

SHEET 18

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER
2011-0222-9963

STATE	YEAR
ALASKA	2011



BEAM SCHEDULE

BEAM SIZE	SYMBOL	BEAM SIZE	SYMBOL
W18X 35	6	W21X 44	12
W18X 50	8	W24X 76	16

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam is width in inches, length in feet.

GENERAL NOTES:

Exhaust/Supply air for all mechanical room containment to be provided via existing SOB intake (Floor6) and exhaust (Floor7) openings located in Room 9 in each respective Mechanical Space.

Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas.

CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.

LEGEND

- ENCLOSURE
- ABATE AND SEAL WALL/CEILING INTERFACE
- REMOVE AND REPLACE SOUNDPROOFING
- SF - SPRAY FOAM NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING
- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM - SEE BEAM SCHEDULE
- FLOOR DRAIN
- HOSE BIB

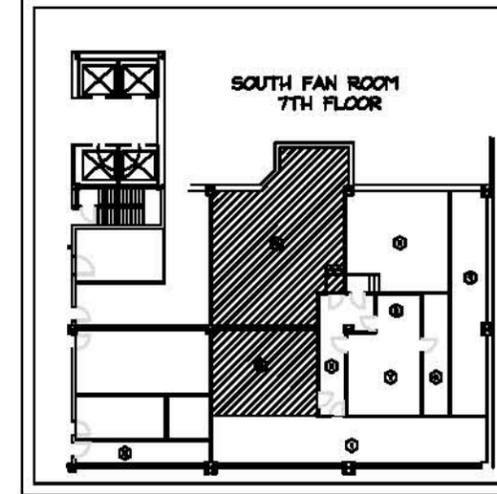


PHOTO #1 - REMOVE 8"SF and replace with full wall SP. ABATE/REMOVE accessible ACMFP and SF. ABATE north side of beam by removing replacing gypsum wall board on partition wall.



PHOTO #2 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain. Brush and CLEAN steel beam.



PHOTO #3 - HEPA vacuum pre clean of panels and switches, sealed with plastic during cleaning/sealing, typical throughout.



PHOTO #4 - REMOVE 8"SF and replace with full wall SP. ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations and ENCLOSE inaccessible ACMFP to remain.



PHOTO #5 - ABATE/REMOVE SF along vertical wall seam. Repair/replace wall and SEAL all penetrations. ENCLOSE inaccessible ACMFP to remain.



PHOTO #6 - ABATE/REMOVE and CLEAN ACMFP over spray on adjacent building materials, throughout.



PHOTO #7 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations.



PHOTO #8 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations.



PHOTO #9 - ABATE/REMOVE accessible ACMFP and SF. SEAL penetrations.

1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

ROOMS 3 & 4: FLOOR 7S

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA

PLANS DEVELOPED BY:
 NORTECH INC.
 ENVIRONMENTAL ENGINEERING,
 HEALTH & SAFETY CONSULTANTS
 4402 THANE RD. JUNEAU, ALASKA
 907-586-6813

IN ASSOCIATION WITH:
 R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 19

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER
 2011-0222-9963

STATE	YEAR
ALASKA	2011





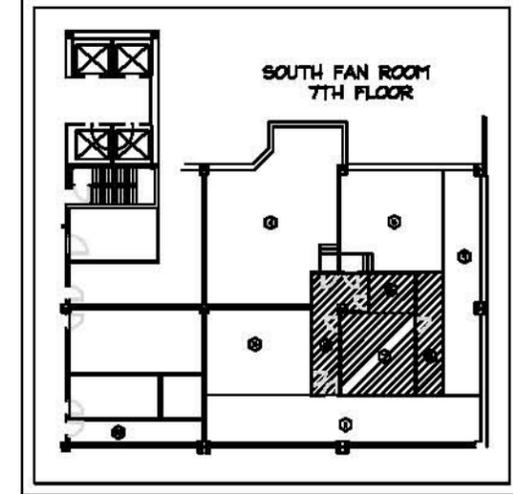
RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION

GENERAL NOTES:

Exhaust/Supply air for all mechanical room containment to be provided via existing SDB intake (Floor6) and exhaust (Floor7) openings located in Room 9 in each respective Mechanical Space.

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CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.



LEGEND

- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM - SEE BEAM SCHEDULE
- ENCLOSURE
- ABATE AND SEAL WALL/CEILING INTERFACE
- ACMFP - ASBESTOS CONTAINING FIREPROOFING
- FLOOR DRAIN
- HOSE BIB
- REMOVE AND REPLACE SOUNDPROOFING
- SF - SPRAY FOAM NOT RATED AS FIRE RATED SEALANT

BEAM SCHEDULE

BEAM SIZE	SYMBOL
W21X 44	4
W18X 35	6
W18X 50	8
W21X 44	12
W24X 76	16
W24X 94	17

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam schedule is width in inches and length in feet.

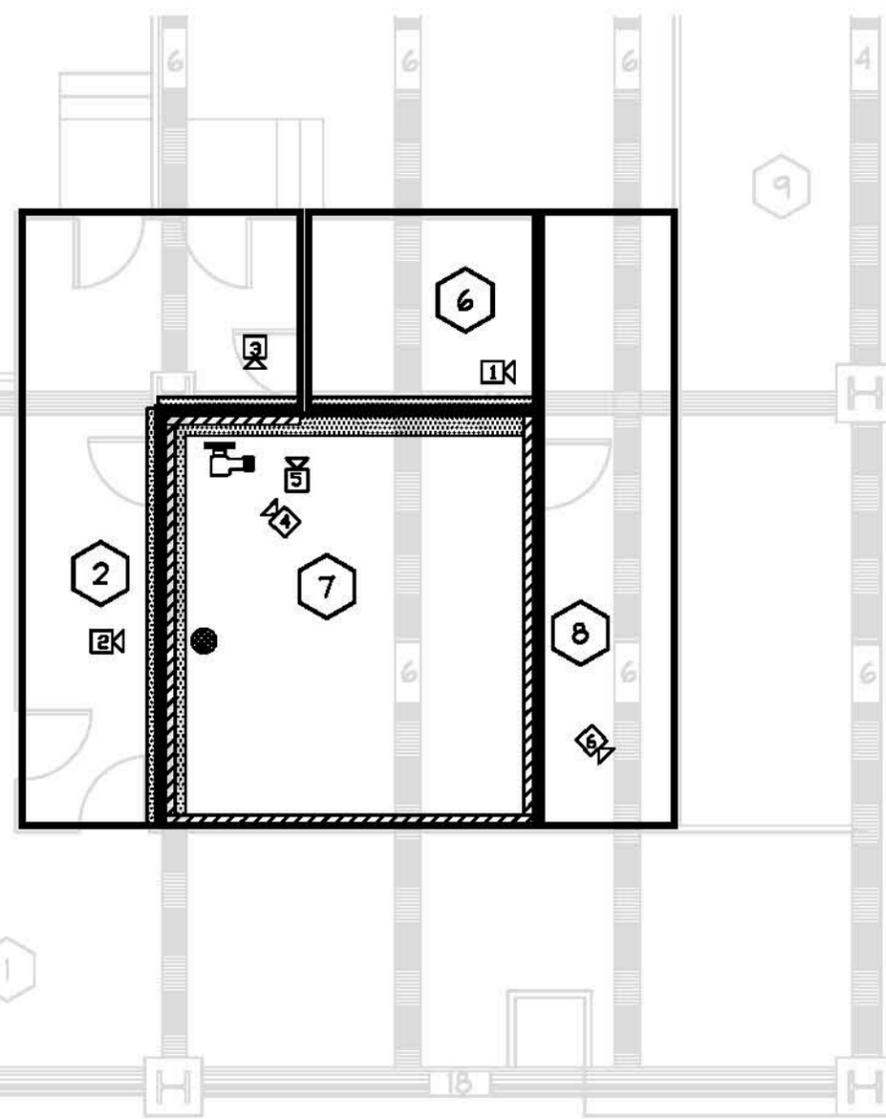


PHOTO #1 - REMOVE containment plastic. ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations.



PHOTO #2 - ABATE/REMOVE accessible ACMFP and SF. SEAL penetrations.



PHOTO #3 - ABATE/REMOVE accessible ACMFP and SF. SEAL penetrations.



PHOTO #4 - ABATE/REMOVE accessible ACMFP and SF. SEAL penetrations.



PHOTO #5 - ABATE/REMOVE accessible ACMFP and SF. SEAL penetrations. Repair/replace partition wall and SEAL.



PHOTO #6 - ABATE/REMOVE accessible ACMFP and SF. SEAL penetrations. ENCLOSE inaccessible ACMFP. Brush and CLEAN steel beam

ROOMS 2, 6, 7, & 8: FLOOR 7S

2011 ASBESTOS ABATEMENT PROJECT
JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:
NORTECH INC.
ENVIRONMENTAL ENGINEERING,
HEALTH & SAFETY CONSULTANTS
4402 THANE RD. JUNEAU, ALASKA
907-586-6813

IN ASSOCIATION WITH:
R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 20

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

2011-0222-9963

STATE	YEAR
ALASKA	2011





KEYED NOTES:

1. OPERATIONAL AIR EXHAUST VENT, TO BE USED AS SUPPLY AND EXHAUST DURING CLEANING AND SEALING WORK FOR THE 6TH AND 7TH FLOOR SOUTH MECHANICAL SPACES.
2. OUTSIDE AIR DAMPER FROM 6TH FLOOR.

GENERAL NOTES:

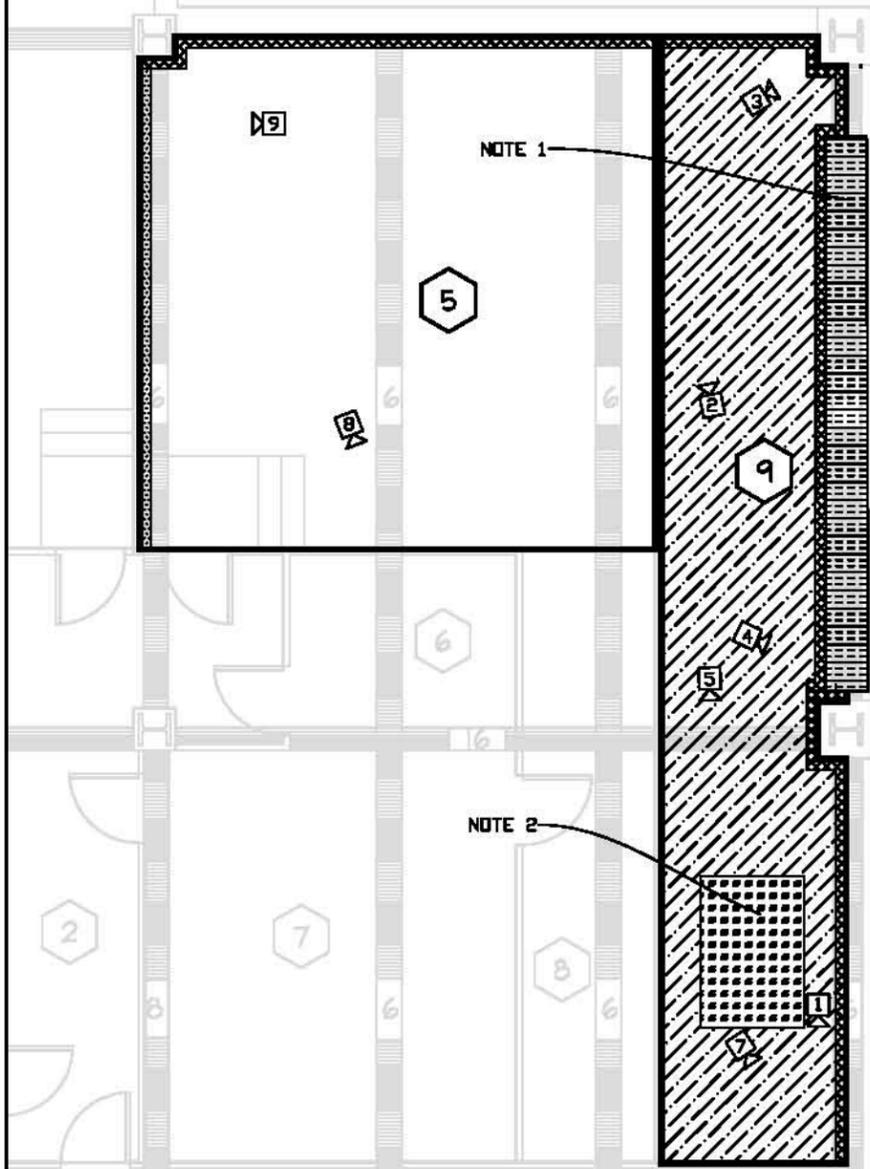
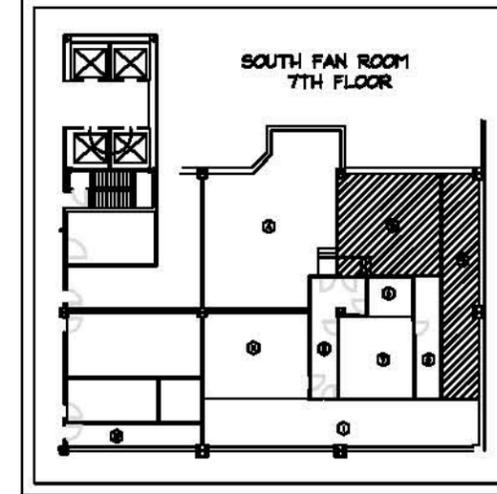
Exhaust/Supply air for all mechanical room containment to be provided via existing SOB intake (Floor6) and exhaust (Floor7) openings located in Room 9 in each respective Mechanical Space.

Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas.

CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.

LEGEND

- PHOTO # NUMBER AND CAMERA DIRECTION
- WORK TO BE DONE ON WEEKENDS ONLY
- BEAM - SEE BEAM SCHEDULE
- ENCLOSURE
- SF - SPRAY FOAM, NOT RATED AS FIRE RATED
- ABATE AND SEAL WALL/CEILING INTERFACE
- ACMFP - ASBESTOS CONTAINING FIREPROOFING



BEAM SCHEDULE

BEAM SIZE	SYMBOL	BEAM SIZE	SYMBOL
W21X 44		W18X 50	
W18X 35		W24X 76	

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam is width in inches, length in feet.



PHOTO #1 - ABATE/REMOVE accessible ACMFP and SF. SEAL penetrations. Brush and CLEAN steel beam.

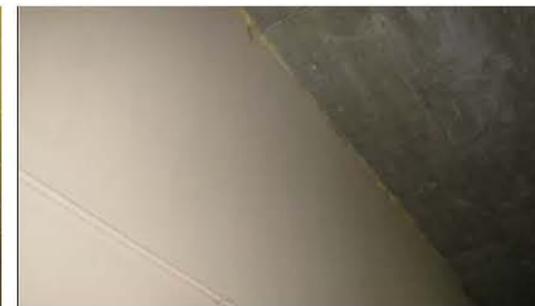


PHOTO #2 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations.



PHOTO #3 - ABATE/REMOVE accessible ACMFP and SF. SEAL penetrations. ENCLOSE inaccessible ACMFP. Brush and CLEAN steel beam.



PHOTO #4 - ABATE/REMOVE accessible ACMFP and SF. SEAL penetrations. ENCLOSE inaccessible ACMFP. Brush and CLEAN steel beam.



PHOTO #5 - Outside Air Damper.



PHOTO #6 - HEPA VAC and SEAL cracks in floor. Typical throughout



PHOTO #7 - ABATE/REMOVE ACMFP and SF. SEAL around penetrations.



PHOTO #8 - ABATE/REMOVE accessible ACMFP and SF. SEAL penetrations. ENCLOSE inaccessible ACMFP. Brush and CLEAN steel beam.



PHOTO #9 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations. ENCLOSE inaccessible ACMFP. Brush and CLEAN steel beam.

1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

ROOMS 5 & 9: FLOOR 7S

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:

NORTECH INC.
ENVIRONMENTAL ENGINEERING,
HEALTH & SAFETY CONSULTANTS
4402 THANE RD. JUNEAU, ALASKA
907-586-6813

IN ASSOCIATION WITH:
R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 21

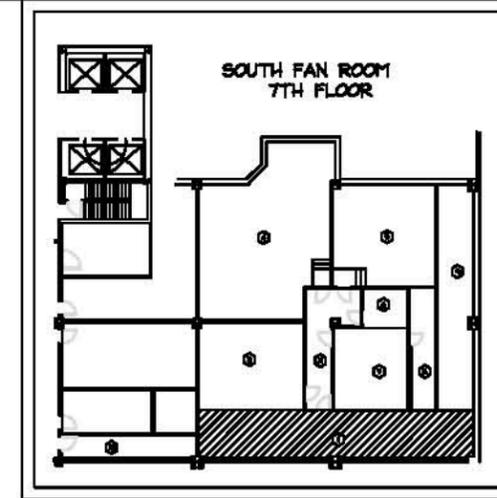
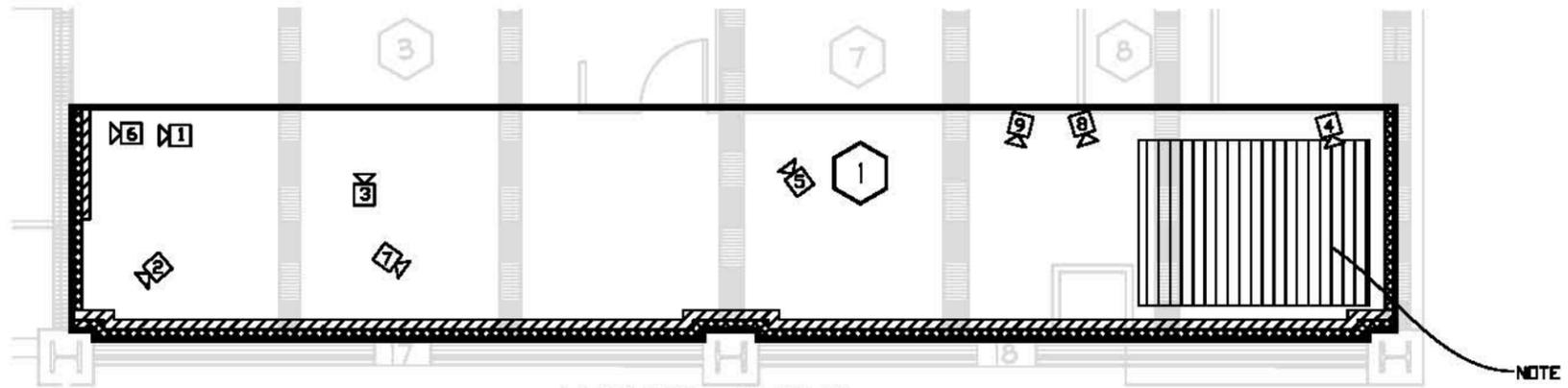
TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

2011-0222-9963

STATE	YEAR
ALASKA	2011





1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION

LEGEND

- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM - SEE BEAM SCHEDULE
- ENCLOSURE
- REMOVE AND REPLACE SOUNDPROOFING
- SF - SPRAY FOAM, NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING

GENERAL NOTES:

Exhaust/Supply air for all mechanical room containment to be provided via existing SOB intake (Floor 6) and exhaust (Floor 7) openings located in Room 9 in each respective Mechanical Space. Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas. CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN per deciding where necessary for re-application of non ACM FP. CONTRACTOR may reuse (if desired) existing poly/plastic that remains. Remove upon completion.

KEYED NOTES:

- 1. OUTSIDE AIR DAMPER FROM 6TH FLOOR

BEAM SCHEDULE

BEAM SIZE	SYMBOL
W18X 35	6
W18X 50	8
W21X 44	12
W24X 76	16
W24X 94	17
W24X 120	18

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam schedule is width in inches and length in feet.



PHOTO #1 - ABATE/REMOVE containment plastic, accessible ACMFP and SF, SEAL penetrations. ENCLOSE inaccessible ACMFP. Brush and CLEAN steel beam.



PHOTO #2 - ABATE/REMOVE accessible ACMFP and SF, SEAL penetrations. ENCLOSE inaccessible ACMFP. Brush and CLEAN steel beam. REMOVE poly sheeting from prior abatement



PHOTO #3 - ABATE/REMOVE accessible ACMFP and SF, SEAL all penetrations. ENCLOSE Inaccessible ACMFP.



PHOTO #4 - ABATE/REMOVE accessible ACMFP and SF along wall seam. SEAL all penetrations.



PHOTO #5 - ABATE/REMOVE accessible ACMFP and SF, SEAL all penetrations. ENCLOSE inaccessible ACMFP. Brush and CLEAN steel beam.



PHOTO #6 - REMOVE B'SP and replace with full wall SP. ABATE/REMOVE ACMFP and SF, SEAL all penetrations.



PHOTO #7 - REMOVE B'SP and replace with full wall SP.



PHOTO #8 - REMOVE B'SP and replace with full wall SP.



PHOTO #9 - ABATE/REMOVE accessible ACMFP and SF, SEAL all penetrations. ENCLOSE inaccessible ACMFP. Brush and CLEAN beam.

ROOM 1: FLOOR 7S

2011 ASBESTOS ABATEMENT PROJECT
JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:
NORTECH INC,
ENVIRONMENTAL ENGINEERING,
HEALTH & SAFETY CONSULTANTS
4402 THANE RD. JUNEAU, ALASKA
907-586-6813

IN ASSOCIATION WITH:
R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 22

TOTAL SHEETS 24

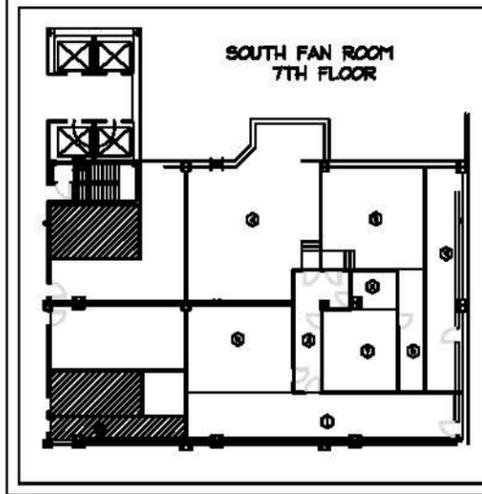
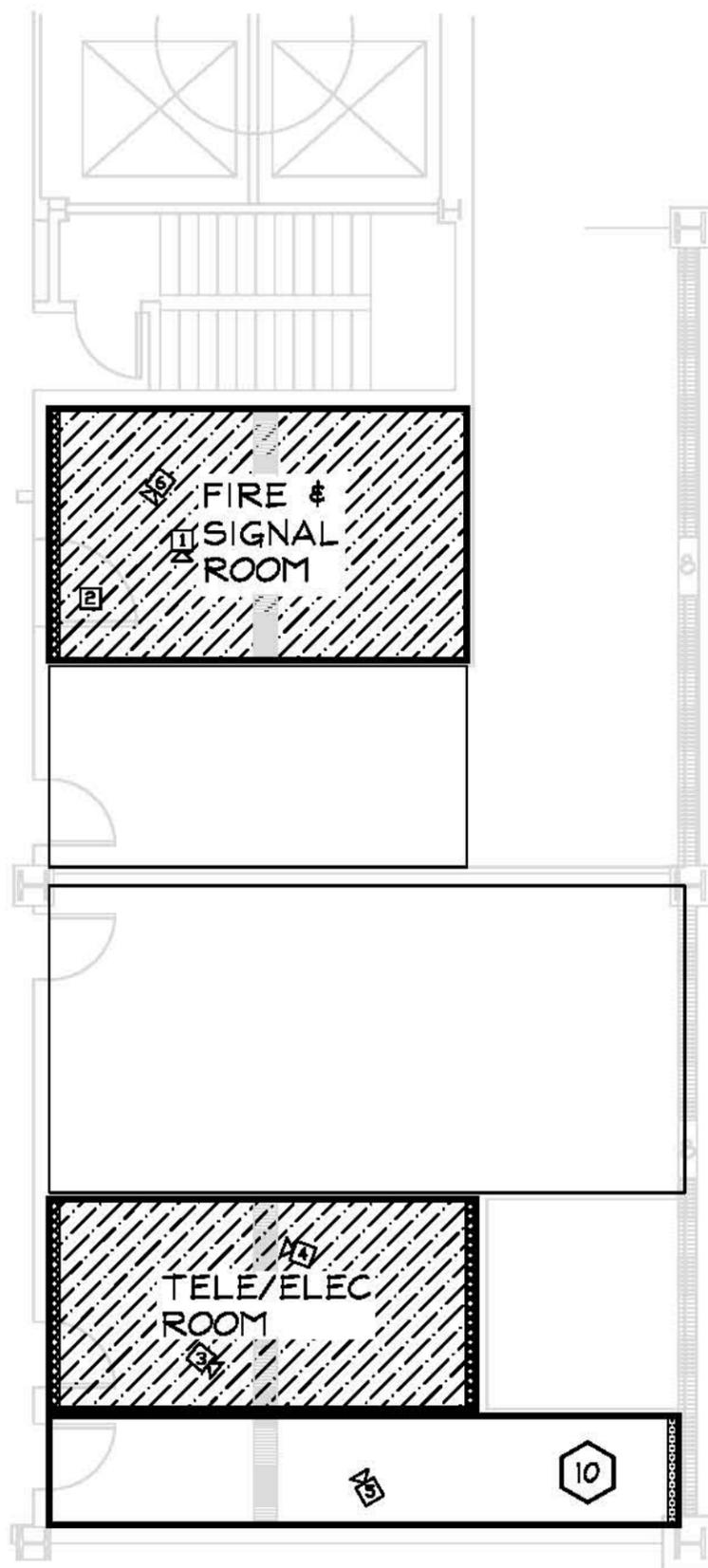
PROJECT DESIGNATION NUMBER

2011-0222-9963

STATE YEAR

ALASKA 2011





GENERAL NOTES:

Exhaust/Supply air for all mechanical room containment to be provided via hallway and loading dock.

Photos and captions do not identify all work to be completed and should only be considered typical and representative of work to be completed. CONTRACTOR shall be responsible for all required work in project areas.

CONTRACTOR shall ABATE/REMOVE accessible ACMFP and SF, SEAL all room penetrations with fire rated materials and ENCLOSE any inaccessible ACMFP to remain. Brush and CLEAN steel beams. CLEAN pan decking where necessary for re-application of non ACM FP.

LEGEND

- PHOTO # NUMBER AND CAMERA DIRECTION
- BEAM - SEE BEAM SCHEDULE
- WORK TO BE DONE ON WEEKENDS ONLY
- ENCLOSURE
- SF - SPRAY FOAM, NOT RATED AS FIRE RATED SEALANT
- ACMFP - ASBESTOS CONTAINING FIREPROOFING
- ABATE AND SEAL WALL/CEILING INTERFACE



PHOTO #1 - Fire and Signal Control Panels to be HEPA Vacuum pre clean and protected with visqueen barriers during Cleaning/Sealing Typical throughout



PHOTO #2 - Concrete floor cracks. To be HEPA vacuumed and SEALED



PHOTO #3 - ABATE/REMOVE accessible ACMFP and SF. SEAL penetrations. ENCLOSE inaccessible ACMFP. Brush and CLEAN steel beam.



PHOTO #4 - ABATE/REMOVE accessible ACMFP and SF. SEAL penetrations. ENCLOSE inaccessible ACMFP. Brush and CLEAN steel beam.



PHOTO #5 - ABATE/REMOVE accessible ACMFP and SF. SEAL penetrations. ENCLOSE inaccessible ACMFP. Brush and CLEAN steel beam



PHOTO #6 - ABATE/REMOVE accessible ACMFP and SF. SEAL all penetrations. ENCLOSE inaccessible ACMFP. Brush and CLEAN steel beam.

BEAM SCHEDULE

BEAM SIZE	SYMBOL
W18X 50	

Beam size and Layout as provided in available As-builts, CONTRACTOR to verify. Beam schedule is width in inches and length in feet.



1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

ROOM 10, MECH SPACES, TELE/ELEC & FIRE/SIGNAL FLOOR 7S

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA



PLANS DEVELOPED BY:
 NORTECH INC.
 ENVIRONMENTAL ENGINEERING,
 HEALTH & SAFETY CONSULTANTS
 4402 THANE RD. JUNEAU, ALASKA
 907-586-6813

IN ASSOCIATION WITH:
 R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 23

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER

2011-0222-9963

STATE	YEAR
ALASKA	2011

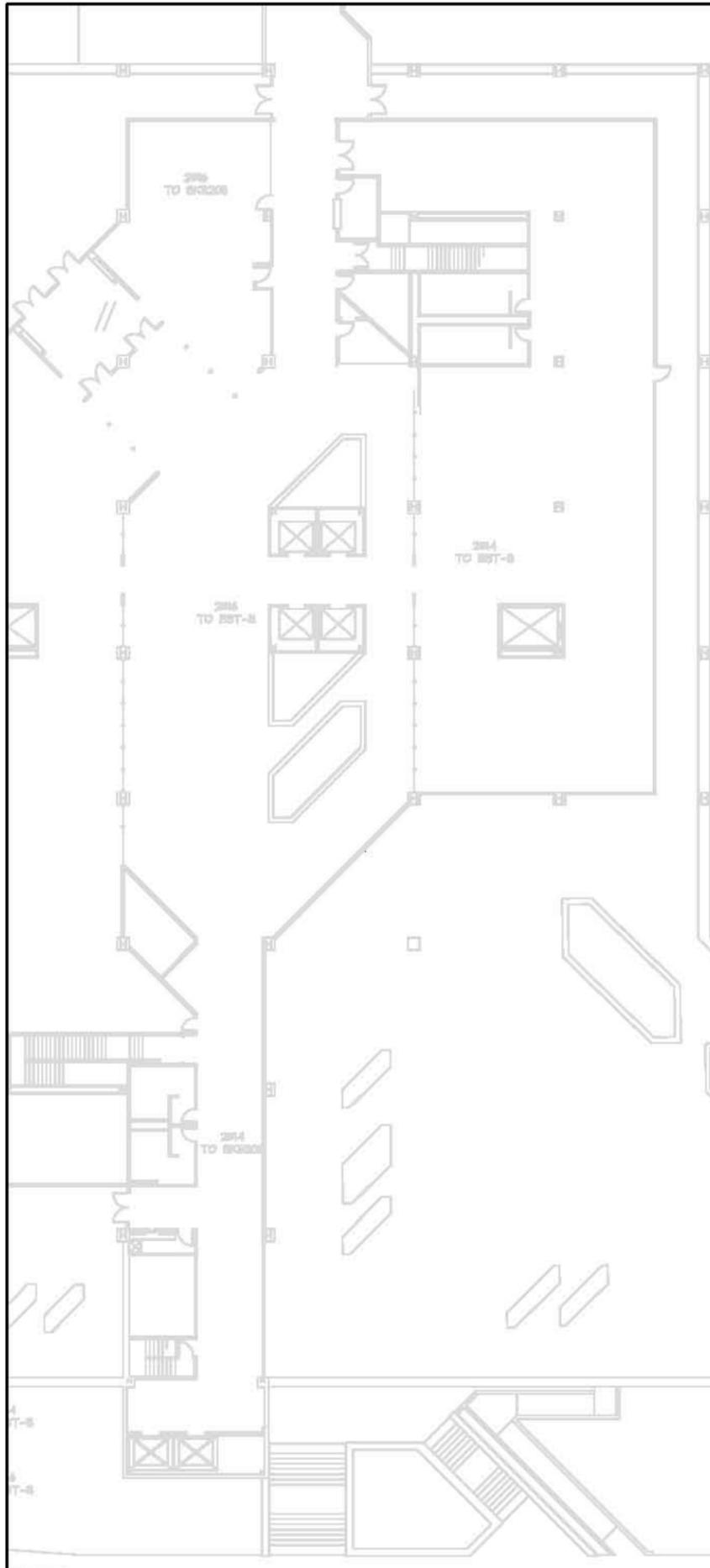
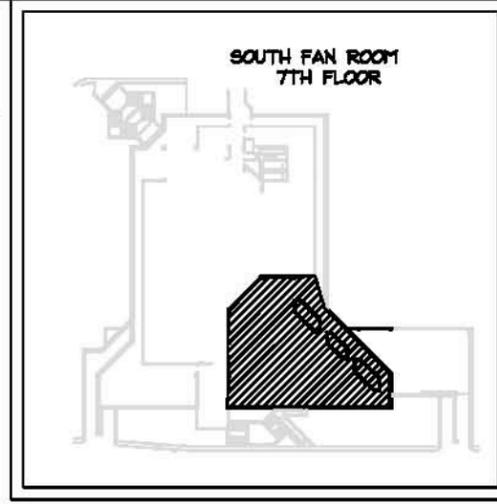
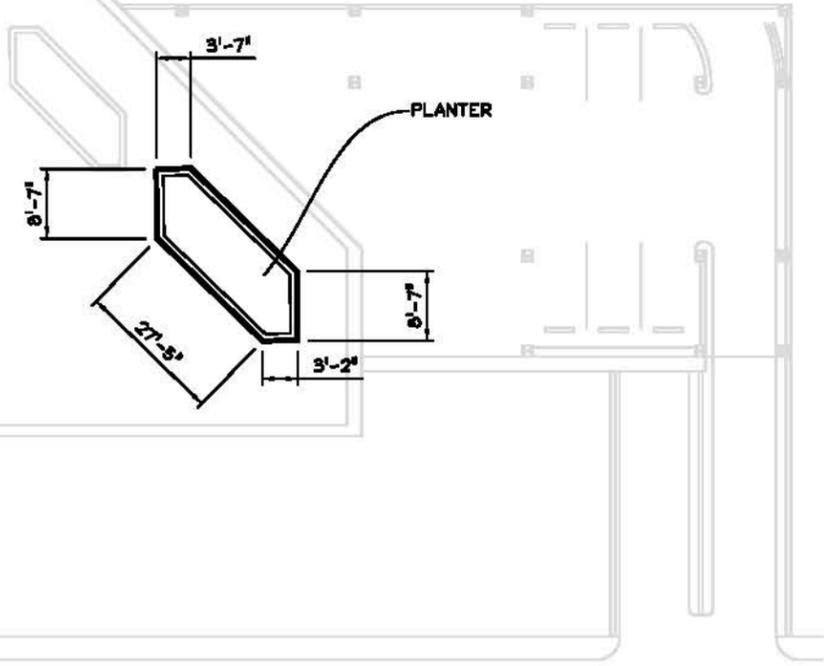


PHOTO 1: 8TH FLOOR PLAZA PLANTER LOOKING NE



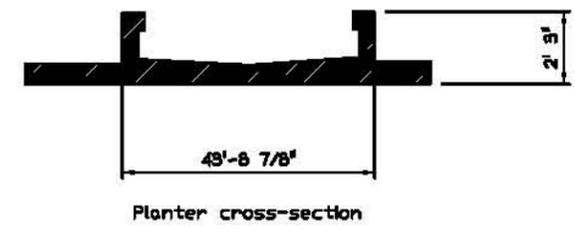
PHOTO 2: 8TH FLOOR PLAZA PLANTER LOOKING NW



NOTE:

Planter liner includes the following ACM to be ABATED.

- A. Black fibrous asphaltic material - 50 % chrysotile
- B. Gray cement board - 15% chrysotile



1-24-2011

ADDENDUM NUMBER

RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION

8TH FLOOR PLAZA PLANTER

2011 ASBESTOS ABATEMENT PROJECT

JUNEAU STATE OFFICE BUILDING JUNEAU, ALASKA

PLANS DEVELOPED BY:

MORTECH INC.
 ENVIRONMENTAL ENGINEERING,
 HEALTH & SAFETY CONSULTANTS
 4402 THANE RD. JUNEAU, ALASKA
 907-586-6813

IN ASSOCIATION WITH:

R&M CONSULTANTS, INC.

DRAWN BY: BPC APP: JMH

SHEET 24

TOTAL SHEETS 24

PROJECT DESIGNATION NUMBER
2011-0222-9963

STATE	YEAR
ALASKA	2011