ALASKA STATE OFFICE BUILDING
7TH & 8TH FLOOR RENOVATIONS

STATE OF ALASKA
SHARED SERVICES OF ALASKA

Facilities Section
PO Box 11210
Juneau, AK 99811-0210

Brend Fagans/Lund, Project Manager
(907) 463-6877

ARCHITECT
NorthWind Architects, LLC
126 Seward Street
Juneau, AK 99801
(907) 586-6150
Sean M. Boily, AIA, Principal Architect

MECHANICAL ENGINEER
NorthWind Architects, LLC
126 Seward Street
Juneau, AK 99801
(907) 586-6150
Doug Hornbake, P.E., Principal

ELECTRICAL ENGINEER
NorthWind Architects, LLC
126 Seward Street
Juneau, AK 99801
(907) 586-6150
Sean M. Boily, AIA, Principal Architect

ENVIRONMENTAL ENGINEER
NorthWind Architects, LLC
126 Seward Street
Juneau, AK 99801
(907) 586-6150
Doug Hornbake, P.E., Principal

SCOPE OF WORK SUMMARY

The Alaska State Office Building is a Downtown Juneau Office Building comprised of eleven floors, including three floors on the lower levels. The building is mechanically ventilated and heated with oil fired boilers. Primary electrical distribution is from levels 6 and 7. The work of the contract is primarily on Level 7 and Level 8, with some access to the ceiling cavities on Levels 6 and 7 to serve electrical and plumbing on these floors. The work of the contract is coordinated with the owner prior to executing any work of this contract.

HAZARDOUS MATERIALS NOTES

The Alaska State Office Building basement has asbestos containing materials in fireproofing above the suspended ceiling, at original walls. Carefully coordinate the work with hazmat drawings and specification.

APPLICABLE CODES

INTERNATIONAL BUILDING CODE 2009 EDITION (I.B.C.)
INTERNATIONAL EXISTING BUILDING CODE 2009 EDITION (I.B.C.)

GENERAL NOTES

1. The contractor is responsible for the fabrication and installation of all materials and equipment in accordance with the International Existing Building Code (I.E.B.C.), International Building Code (I.B.C.), and all related revisions and amendments. All materials shall be stored, handled, and installed in accordance with manufacturer’s written instructions and recommendations.

2. The contractor shall coordinate and verify all conditions impacting the project scope of work and will notify the owner of any discrepancies, and/or varying conditions. The contractor shall coordinate all construction related activities with the owner prior to executing any work of this contract.

3. The contractor is responsible for verifying all dimensions and conditions on the architectural, structural, mechanical, electrical drawings and specifications and confirming that all work is performed according to those documents and specifications. The contractor is responsible for coordinating all construction related work, and weather damaged areas will be restored to their original condition by affordable cost to the owner.

4. The contractor shall coordinate the extent of removal and reinstallation of any electrical and fire protection devices, piping, wires and conduits as required to complete the work, and is responsible for the satisfactory reactivation of those devices with the completion of the work. Devices identified on the architectural plans and reflected ceiling plans are for reference and do not reflect all devices, conduits and wiring and sprinkler piping.

5. Utilities owner will furnish electrical power, fire extinguishing equipment and lighting. The contractor is required to furnish all temporary services, construction related lighting and heat.

6. Inspection: the contractor is to notify owner of damaged materials in excess of those identified in the construction documents observed during construction. Damage identified in the construction documents observed during construction will be repaired at the contractor’s expense, and owner will notify the contractor of the extent of the work. Deviation from the architectural plans and reflected ceiling plans and for owner to inspect and review. Owner and owner do not inspect all devices, conduits and wiring and sprinkler piping.

7. The contractor shall ensure coordination and continuity between trades and shall comply with all conditions necessary to proceed with any component of the work, including reactivation of any non-service critical material, substance or surface to receive finishes and/or equipment.

8. Drawing Scale: This set of drawings has been produced with scale indicators and bars to print full size. Shaft sets for the purpose of clarity, drawing sets shall be identified as “1/4" Scale” or “1/2" Scale” or “Full Scale” and shall be identified in the title bar. Where the use of this scale is necessary for the use of this scale. The drawing sets shall be identified for the use of this scale. Scale bars are provided for and the scale verification bar in the architectural drawings.

G.0.1
TITLE SHEET / GENERAL INFO

2018-02-28
ALASKA
2017
DOOR HARDWARE
- Flush, brushed noble or stainless steel for all exposed
- Commercial mortise locksets, commercial or scullage, removable key chucks to accept random cores, stainless steel faceplate, 1.25" backset, no institutions, 6-pin lock, dead latch, dead bolt, #8067950
- Electromagnetic header access control system as noted
- Hinges: Five-Hole Solid Steel 5/8" x 5.5 Stainless Steel, 7" 3/8" Offset, pivot on back edge of door, concealed from view, precision fit doors.
- Door closer, 2" x 6" x 8' x 100#, with Cadet Mortise Function, 100# Full Mortise Backcheck.
- Door stop, with door edge look down for every opening, Electric Door Spring, grade 1, listed UL 10c.

HIGH PRESSURE DECORATIVE LAMINATE (HDPL): NEMA LD 3, GRADE PREMIUM, FLUSH OVERTOP.
- High pressure decorative laminate (HPL), Neva LQ, Grade D, 70#, 1/4" thick, self-edge, self-edge, in public areas.
- Birch plywood, 4'/8" thick, self-edge, self-edge, 2' x 3' per sheet. No cabinets or countertops.
- High pressure decorative laminate (HPL), Neva, Grade D, 70#, 1/4" thick, for edges within the cabinet.
- High pressure decorative laminate (HPL) for specialty applications.
- Particle board, Grade M-2, with binder containing no urea, formaldehyde.
- High pressure decorative laminate (HPL), Neva LQ, Grade D, 70#, 1/4" thick, self-edge, self-edge, 2' x 3' per sheet. No cabinets or countertops.
- Birch plywood, 4'/8" thick, self-edge, self-edge, 2' x 3' per sheet. No cabinets or countertops.
- Specialties, specialty applications.
- Light openings: trim flush with same species as door face.
- Continuous foam gasket, self-adhesive, self-edge, self-edge, 2' x 3' per sheet. No cabinets or countertops.
- Light openings: trim flush with same species as door face.
- Continuous foam gasket, self-adhesive, self-edge, self-edge, 2' x 3' per sheet. No cabinets or countertops.

STORAGE: 10' Hinges
- Mortise lockset and cylinder "store room" function, with ADA lever and rose. No urea formaldehyde.
- Kick plates, 4" x 24", 1/4" thick, self-edge, self-edge, 2' x 3' per sheet. No cabinets or countertops.
- Door stop, with door edge look down for every opening, Electric Door Spring, grade 1, listed UL 10c.

FRAMES AND DOORS
- Hollow metal door and borrowed light frames: 16GA HOLLOW METAL FRAME, PAINTED, FULLY WELDED DOUBLE FRAMED, CERAMIC COATED FACE, DRY ERASE VISUAL DISPLAY BOARDS WITH MARKER TRAYS.
- Glass fiber fabric. 95% LIGHT FILTERING. Bracket or end cap mounting within width of relights indicated.
- Provide a total of four (4) 4 foot tall by 8 foot long aluminum framed, glazed, profile X depth of wall assembly. Post installation package as required at existing walls, no exposed fasteners at new walls. Provide three silencers per door. Templating with wood doors.

ALL OTHER: OWNERS STANDARD WHITE.

HOLLOW METAL FRAME GLAZING AND PROFILE X DEPTH OF WALL ASSEMBLY. POST INSTALLATION PACKAGE AS REQUIRED AT EXISTING WAYS, NO EXPOSED FASTENERS AT NEW WAYS. PROVIDE THREE SILENCERS PER DOOR. TEMPLATING WITH WOOD DOORS.

TOILET ENCLOSURES:
- Stall, 60" x 60" x 108".
- Shore, 60" x 60" x 108".
- ADA, full height, 60" x 60" x 108".
- Provide a total of four (4) 4 foot tall by 8 foot long aluminum framed, glazed, profile X depth of wall assembly. Post installation package as required at existing walls, no exposed fasteners at new walls. Provide three silencers per door. Templating with wood doors.

BID DOCUMENTS
August 9, 2017

ALASKA STATE OFFICE BUILDING
7TH & 8TH FLOOR RENOVATIONS

NorthWind Architects, LLC
www.NorthWindArch.com
126 Seward Street
Juneau, AK, 99801

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

DRAWN BY: SB

ARCHITECTURAL SPECIFICATION

PROJECT COMMISSIONER A.E.

STATE: ALASKA
YEAR: 2017
GENERAL CONSTRUCTION NOTES FOR CASEWORK:
- BACKS AND BOTTOMS: 3/4" MDF PLAM
- TOPS: 5/8" MDF PLAN
- ALL SIDES SHELVES: 5/8" PLYWOOD PLAM BOTH SIDES; WD AT EXPOSED EDGE, PLAM ALL SIDES
- COUNTERTOPS: 3/4" PLYWD PLAM WOOD BANDED
- BACKSPLASH: 1/2" MDF PLAM

CABINET SECTION
- SEAL BACKSPLASH AT COUNTERTOP AND WALL

DOOR AND FRAME SCHEDULE

<table>
<thead>
<tr>
<th>Door Panel Schedule</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTRL Type</td>
<td>FIN Type</td>
</tr>
<tr>
<td>1200</td>
<td>Prefin</td>
</tr>
<tr>
<td>2400</td>
<td>Prefin</td>
</tr>
</tbody>
</table>

3M FILM AT GLASS DOOR

INSTALL SALVAGED DOOR FRAME AND HARDWARE. VERIFY DIMENSIONS.
2. TYPICAL MULLION TO INTERIOR PARTITION - PLAN

1. TYPICAL DOOR JAMB/HEAD

- GWB
- STL STUD
- HOLLOW METAL DOOR FRAME
- SEALANT ACOUSTIC
- ANCHOR FOR STL STUD
- TYPICAL INTERIOR WALL CONSTRUCTION SEALANT

Varies coord with wall types

1/4" 2"

- SEALANT ACoustIC
- STL STUD
- SEALANT ACOUSTIC
- SEAlANT

Typical interior wall construction:

- 1/16" thick aluminum plate, all faces
- Adhered to gypsum wallboard substrate
- Dark bronze finish
- Adhered to gypsum wallboard substrate
- Edge of convector enclosure below

Typical interior wall construction:

- 8 05109
- 255030
- 5 11 5

Scale: 3" = 1'-0"
DESTRUCTION PLAN KEY NOTES:
- REMOVE ALL CARPET AND WALL COVERINGS.
- REMOVE ALL CEILING FABRIC AND WALL TILES.
- REMOVE ALL Windows and Doors (and Frame) (and Window and Door Frames) (and Door Frames).
- REMOVE ALL ENTRANCE DOORS AND ASSOCIATED HARDWARE.
- REMOVE ALL FLOOR FINISHES AND ASSOCIATED EQUIPMENT.
- REMOVE ALL WALLS AND ASSOCIATED HARDWARE.
- REMOVE DOOR AND FRAME.
- REMOVE DOOR FRAME, INSTALL AT ROOM 708.
- REMOVE DOOR FRAME, INSTALL AT ROOM 707.
- REMOVE DOOR FRAME, INSTALL AT ROOM 704.
- REMOVE DOOR AND FRAME, INSTALL AT ROOM 702.

DESTRUCTION PLAN GENERAL NOTES:
1. ALL EXISTING CONSTRUCTION TO BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF THE WORK.
   VERIFY ALL EXISTING DIMENSIONS AND LAYOUT OF NEW WALLS. ADJUST NEW WALL LAYOUT SO AS TO MINIMIZE IMPACT TO CEILING GRID AND LIGHTING LAYOUT.
2. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENTS OF MECHANICAL AND ELECTRICAL DEMOLITION.
3. COORDINATE ALL DEMOLITION AND REMOVAL WITH HAZARDOUS MATERIALS DOCUMENTATION.
4. EXISTING WALLS TERMINATE AT UNDERSIDE OF CEILING GRID, TYPICAL. AN EXCEPTION IS AT THE DUMBWAITER PENETRATION THROUGH FLOOR 7 CEILING.

DESTRUCTION PLAN LEGEND:
- ONLY TO BE REMOVED
- ONLY TO BE REMOVED

SCALE: 1/8" = 1'-0"

7TH FLOOR DEMOLITION PLAN

STATE OF ALASKA
SHARED SERVICES OF ALASKA
Facilities Section
PO Box 11210
Juneau, AK 99811-0210

ALASKA STATE OFFICE BUILDING
7TH & 8TH FLOOR RENOVATIONS

7TH FLOOR DEMOLITION PLAN

DRAWN BY: SB

ALASKA 2017

RECORD OF REVISIONS

No.   DATE  DESCRIPTION

STATE YEAR
ALASKA 2017

ATTACHMENT NUMBER
RECORD OF REVISIONS

No.   DATE  DESCRIPTION

ALASKA STATE OFFICE BUILDING
7TH & 8TH FLOOR RENOVATIONS

7TH FLOOR DEMOLITION PLAN

DRAWN BY: SB
DEMOLITION PLAN GENERAL NOTES
1. ALL EXISTING CONSTRUCTION TO BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF THE WORK.
2. VERIFY ALL EXISTING DIMENSIONS AND LOCATIONS OF NEW WALLS, DOORS,&N UNLESS NOTED TO THE CONTRARY.
3. COORDINATE ALL DEMOLITION AND REMOVAL WITH HAZARDOUS MATERIALS DOCUMENTATION.
4. EXISTING WALLS TERMINATE AT UNDERSIDE OF CEILING GRID, EXCEPT STATESMENT ON PLAN FOR EXCEPTION.

DEMONLITION PLAN LEGEND

DEMONLITION PLAN KEY NOTES
1. REMOVE ENTIRE WALL ASSEMBLY TO UNDERSIDE OF CEILING GRID, INCLUDING FLOOR AND CEILING TRACK, DOORS, AND WINDOWS. REMOVE ALL IN-WALL AND WALL MOUNTED PLUMBING AND ELECTRICAL. PRESERVE CEILING ASSEMBLY INTACT. AT WALLS TO REMAIN, REMOVE ALL UNUSED MISCELLANEOUS HARDWARE AND DEVICES.
2. REMOVE CASEWORK
3. REMOVE ALL FLOOR FINISHES AND ASSOCIATED GLUES
4. REMOVE DUMBWAITER ASSEMBLY, ASSOCIATED WALLS AND EQUIPMENT
5. REMOVE DOOR AND FRAME
6. EXISTING WALLS TERMINATE AT UNDERSIDE OF CEILING GRID, TYPICAL. AN EXCEPTION IS AT THE DUMBWAITER PENETRATION THROUGH FLOOR 7 CEILING.
A2.0-7
7TH FLOOR PLAN

7TH FLOOR PLAN GENERAL NOTES

1. ALL WALLS TO BE FRAMED WITH 3-5/8" METAL STUDS, WITH 2" FACE FLANGES. MINERAL WOOL STUD CAVITY ACOUSTIC INSULATION FILL, RESILIENT CHANNEL ON ONE SIDE, AND 5/8" TYPE X GYPSUM WALLBOARD, BOTH SIDES, PAINTED. ACOUSTIC SEAL ALL PERIMETERS AND PENETRATIONS.

2. ALL EXISTING WALLS TO BE REMOVED AND PAINTED IN KIND.

3. WHERE WALLS & DEVICES ARE REMOVED IN DEMO, EXTEND ADJACENT FINISHES ACROSS BREACH IN ASSEMBLY.

4. CAREFULLY COORDINATE SCOPE OF FLOOR REPAIR AND PREPARATION WORK WITH FLOORING, BASE, AND FINISHES IDENTIFIED IN THE SCOPE OF WORK, PROVIDED BY OWNER UNDER SEPARATE CONTRACT. ANTICIPATE SLAB CLEANING AND APPLICATION OF FLOOR LEVELING AND REPAIR COMPOUND TO AN AVERAGE BUILD OF 1/8" IN ALL RENOVATION AREAS, FEATHERED OUT TO ADJACENT CONCRETE FINISHES.

5. COORDINATE NEW CONSTRUCTION WITH AMOUNTMENT, MECHANICAL AND ELECTRICAL DOCUMENTS.

6. FLOORING HALL IS TERMINATE AT UNDERSIDE OF CEILING GRID. TYPICAL. AN EXCEPTION IS AT THE DUMBWAITER PENETRATION THROUGH FLOOR GRID.

7. ALL TAGGED DOORS ARE 3-0 X 7-0 SOLID CORE WOOD DOORS WITH DOUBLE RABBET HOLLOW METAL FRAME, BRUSHED NICKEL BUTTS, DOOR STOPS AND CYLINDRICAL LOCKSETS WITH ADA LEVERS, TYPICAL. COORDINATE WITH SCHEDULE AND SPECIFICATION NOTES.

8. EXISTING WALLS TERMINATE AT UNDERSIDE OF CEILING GRID, TYPICAL. AN EXCEPTION IS AT THE DUMBWAITER PENETRATION THROUGH FLOOR 7 CEILING.

FLOOR PLAN LEGEND

EXISTING WALL
NEW WALL

FLOOR PLAN KEY NOTES

1. FRAME AND PATCH WALL TO MATCH SURROUNDING ASSEMBLIES.

2. INSTALL NEW NON-CARB COMPLIANT PARTICLE BOARD SHELVING TYPICAL. COORDINATE WITH 3-A.0.1.

3. PORCELAIN CONCRETE SLAB 9" THICK AND LEVELING COMPOUND COMPETE TO 7TH FLOOR AND UNCOVER FLOORING AND 8TH FLOOR ENGINEERING CONTROL.

4. INSTALL 3" THICK PORCELAIN SLAB, TYPICAL EVERY 8' IN THE LINE OF FACE OF DEMO. INSTALL NEW FASTENERS TYPICAL NEW CONSTRUCTION.

5. NEW AND EXISTING WALLS TO BE FRAMED WITH 3-5/8" METAL STUDS, WITH 2" WIDE FACE FLANGES, MINERAL WOOL STUD CAVITY ACOUSTIC INSULATION FILL, RESILIENT CHANNEL ON ONE SIDE, AND 5/8" TYPE X GYPSUM WALLBOARD, BOTH SIDES, PAINTED. ACOUSTIC SEAL ALL PERIMETERS AND PENETRATIONS.

6. FRAME AND PATCH WALL TO MATCH SURROUNDING ASSEMBLIES.

7. INSTALL NEW SINK, CASEWORK AND APPLIANCES; TYPICAL CAFE CONFIGURATION - COORDINATE WITH 1/A0.2.

8. PREPARE CONCRETE SLAB WITH CRACK-FILLING LEVELING COMPOUND COMPATIBLE WITH CARPET AND LINOLEUM FLOORING INSTALLATION UNDER SEPARATE CONTRACT. INSTALL 1/4" THICK CONTINUOUS STEEL PLATE AT OPENING WHERE DUMBWAITER HAS BEEN REMOVED.

9. FINISH WITH TOP 5/8" BELOW SURROUNDING CONCRETE. SUPPORT WITH 2X2 STEEL ANGLE PERIMETER, AND 2X2 STEEL ANGLE STIFFENERS AT NO MORE THAN 24" O.C, ALL WELDED CONSTRUCTION. LEVEL TO SURROUNDING FLOOR WITH CEMENTitous FLOOR LEVELING COMPOUND.

10. WHERE DUMBWAITER IS REMOVED, EXTEND EXISTING CEILING GRID AND ACOUSTIC CEILING TAP IN KIND TO FULL USE.

11. INSTALL SLAVAGED RELIGHT OR DOOR - SEE DEMOLITION PLANS FOR SOURCE COORDINATION.

12. INSTALL NEW EMBOSSED STEEL PANEL TO MATCH SURROUNDING WALLS.

13. INSTALL PRE-ENGINEERED PCP METAL STUD WALLS TO MATCH SURROUNDING WALLS.

14. COORDINATE WIRING PLAYOUT WITH ELETRICAL DOCUMENTS.
SHARED SERVICES 800A 7,070 sq ft
SHARED SERVICES 800B 5,389 sq ft
SHARED SERVICES 800C 1,145 sq ft
CONFERENCE 801 433 sq ft
BREAK 802 191 sq ft
BREAK 808 169 sq ft
CONFERENCE 803 306 sq ft
CONFERENCE 807 210 sq ft
CONFERENCE 810 254 sq ft

FLOOR PLAN GENERAL NOTES
1. All new walls to be framed with 3-5/8" metal stud, with 2" wide face flanges, mineral wool stud cavity acoustic insulation fill, resilient channel on one side, and 5/8" type X gypsum wallboard, both sides, painted. Acoustic seal all perimeters and penetrations. Coordinate wall placement to avoid light fixtures in ceiling grid.
2. All existing walls and soffits to remain to be patched and painted as a part of the work.
3. Where walls & devices are removed in demo, extend adjacent finishes across breach in assembly.
4. Carefully coordinate scope of floor repair and preparation work with flooring, base and finishes identified in the scope of work, provided by owner under separate contract. Anticipate slab cleaning and application of floor leveling and repair compound to an average build of 1/8" in all renovation areas, feathered out to adjacent concrete finishes.
5. Coordinate new construction with abatement, mechanical and electrical documents.
6. All tagged doors are new doors; 3-0 x 7-0 solid core wood doors with double rabbet hollow metal frame, brushed nickel butts, door stops and cylindrical locksets with ADA levers, typical. Coordinate with schedule drawing A0.2 and with specification notes.

FLOOR PLAN KEY NOTES
- FRAME AND PATCH WALL TO MATCH SURROUNDING ASSEMBLY
- INSTALL NEW SINK, CASEWORK AND APPLIANCES; TYPICAL CAFE CONFIGURATION - COORDINATE WITH 1/A0.2.
- PREPARE CONCRETE SLAB WITH CRACK-FILLING LEVELING COMPOUND COMPATIBLE WITH CARPET AND LINOLEUM FLOORING INSTALLATION UNDER SEPARATE CONTRACT. INSTALL 1/4" THICK CONTINUOUS STEEL PLATE AT OPENING WHERE DUMBWAITER HAS BEEN REMOVED.
- FINISH WITH TOP 5/8" BELOW SURROUNDING CONCRETE. SUPPORT WITH 2X2 STEEL ANGLE PERIMETER, AND 2X2 STEEL ANGLE STIFFENERS AT NO MORE THAN 24" O.C, ALL WELDED CONSTRUCTION. LEVEL TO SURROUNDING FLOOR WITH CEMENTitous FLOOR LEVELING COMPOUND.
- ALL NEW METAL STUDS TO BE 3-5/8" WITH 2" FACE FLANGE, MINERAL WOOL STUD CAVITY ACOUSTIC INSULATION FILL, RESILIENT CHANNEL ON ONE SIDE, AND 5/8" TYPE X GYPSUM WALLBOARD, BOTH SIDES, PAINTED. ACOUSTIC SEAL ALL PERIMETERS AND PENETRATIONS. COORDINATE WALL PLACEMENT TO AVOID LIGHT FIXTURES IN CEILING GRID.
- ALL EXISTING WALLS AND SOFFITS TO REMAIN TO BE PATCHED AND PAINTED AS A PART OF THE WORK.
- WHERE WALLS & DEVICES ARE REMOVED IN DEMO, EXTEND ADJACENT FINISHES ACROSS BREACH IN ASSEMBLY.
- CAREFULLY COORDINATE SCOPE OF FLOOR REPAIR AND PREPARATION WORK WITH FLOORING, BASE AND FINISHES IDENTIFIED IN THE SCOPE OF WORK, PROVIDED BY OWNER UNDER SEPARATE CONTRACT. ANTICIPATE SLAB CLEANING AND APPLICATION OF FLOOR LEVELING AND REPAIR COMPOUND TO AN AVERAGE BUILD OF 1/8" IN ALL RENOVATION AREAS, FEATHERED OUT TO ADJACENT CONCRETE FINISHES.
- COORDINATE NEW CONSTRUCTION WITH ABATEMENT, MECHANICAL AND ELECTRICAL DOCUMENTS.
- 30" DOUBLE CORE WOOD DOORS UNLESS OTHERWISE NOTED. BRUSHED NICKEL BUTTS, DOOR STOPS AND CYLINDRICAL LOCKSETS WITH ADA LEVERS, TYPICAL. COORDINATE WITH SCHEDULE DRAWING A0.2 AND WITH SPECIFICATION NOTES.

FLOOR PLAN LEGEND
- NEW WALL

8TH FLOOR PLAN
PROJECT DESIGNATION NUMBER
2017-0222-3725
STATE  ALASKA
YEAR  2017

Northwind Architects LLC
www.NorthwindArch.com
126 Seward Street
Juneau, AK, 99801

Sean M. Boily, AIA
8-10-17
1. Furniture plan is provided for reference and coordination of electrical and communication connections with furnishings provided separately by owner and owner's furnishing contractor.
ABATEMENT GENERAL NOTES


2. ABOVE CEILING SPACE OF MOST OF THE 6TH FLOOR OF THE BUILDING HAS BEEN ABATED AS PART OF PREVIOUS PROJECTS. ALL 5TH FLOOR WORK SCHEDULED ON CONTRACT DRAWINGS OCCUR IN SPACES WHERE ASBESTOS HAZARDS ART NO LONGER PRESENT. WORK IN SUCH AREAS MAY BE PERFORMED BY WORKERS WITHOUT ASBESTOS ABATEMENT CERTIFICATIONS.

3. MODERN INDOOR/OUTER SPRAY-ON FIREPROOFING HAS BEEN TREATED TO REDUCE THE DIFFERENTIAL IAQ (INDOOR/AIR) SPRAY-ON FIREPROOFING.

4. AREAS OF THE ARCHITECTURAL SPACE THAT HAVE NOT BEEN ABATED INCLUDE HEAVY OVERSPRAY OF FIREPROOFING ON DUCTS, CONVEYS, AND OTHER EQUIPMENT. UNLESS INDICATED OTHERWISE, ALL FIREPROOFING OVERSPRAY IS ASSUMED TO CONTAIN ASBESTOS UNLESS IT HAS A BLUE SEAL.

5. ORIGIONAL LIGHT Fixtures (CIRCA. 1976) IN THE BUILDING ARE INTEGRATED INTO EXISTING SYSTEM AND INCLUDE DIFFUSERS FOR SUPPLY AND RETURN AIR. TRIMMERS MUST BE HANDLED WITH EXTREME CARE AS PARTS ARE NO LONGER AVAILABLE.

6. ALL LIGHT FIXTURES IN AREAS WITH ACH FIREPROOFING ARE CONVEYED WITH ACH CLUTER AND REQUIRE DE-ASSEMBLY AND CLEANING BEFORE HANDLING BY OTHER TRADES.

WORK THE THE 8TH FLOOR

1. REMOVED AND DISPOSED OF GYPSUM WALL BOARD WITH ACH FIREPROOFING CAPE AS SHOWN. WALLS SCHEDULED FOR DEMOLITION (EVERY PANELS) BEING REMOVED FROM BOTH SIDES MAY BE LEFT IN THE WOODEN CHADBORD COORDINATE WITH CONTRACTOR TO COMPLETE REMOVED. TS ECONOMY TO USE MACHINERY TO REMOVE WALLS SHOWN AS DEMOLITION WITHOUT DECOMMISSIONING THERMAL COORDINATE WITH MECHANICAL CONTRACTOR TO REMOVE & DISCONNECT TO SAVE TIME.

2. IN ORDER TO COMPLETE 8TH FLOOR PLAN POLYMER WOOD GYPSUM IS SHOWN AS CONSUMED, CONTRACTOR IS SHOWN A ROLLING WALL FOR PLUMBING ACCESS BEHIND SHEE SHEET. CONTRACTOR IS SHOWN THE LOCATION OF MECHANICAL SPACER, DETAILS, AND SUPPORT OF GYPSUM. LEAVING CAVITY WITH FIREPROOFING AT EDGE OF OPENING TO ALLOW ATTACHMENT OF A COVER PANELS. COVER PANELS REMAIN IN PLACE.

8TH FLOOR

DESTRUCTION PLAN

PROJECT DESIGNATION NUMBER

STATE OF ALASKA

ALASKA STATE OFFICE BUILDING

7TH AND 8TH FLOOR REFINEMENTS

BID DOCUMENTS

August 9, 2017

ATTACHMENT NUMBER

RECORD OF INQUIRIES

STATE

YEAR

ALASKA

2017
2. BID REFERENCE SPECIFICATIONS, CODES, AND STANDARDS

Asbestos Abatement Specifications – Section 028213

1. Spray-on (resisting) above the suspended ceiling of the 7th and 8th floors, including overspray on surrounding equipment and walls.

2. Gypsum wallboard and associated taping mud (GWMud) on all original partition walls and hard ceilings.

3. Vinyl asbestos tile (VAT) and associated mastics on the 7th floor.

4. Original hard leading system insulation (TSI) on piping joints where the insulation covers asbestos.

C. The intent of the abatement portion of the Base Bid portion of the project is to support all renovation work in the 8th floor area, including removal of walls and ceilings, modification of mechanical and electrical systems, and any other work required to fulfill Contract obligations. At the finish of the Base Bid abatement project, all areas should be clean and ready for work by other trades.

D. The intent of the abatement portion of the Alternate portion of the project is to support all renovation work in the 7th and 8th floors, including removal of walls and ceilings, modification of mechanical and electrical systems, and any work required to fulfill Contract obligations. Some areas require erection of semi-permanent barriers to allow other trades access to the over-ceiling space. At the finish of the Alternate abatement project, all areas should be clean and ready for work by other trades.

E. The abatement project includes all material, labor, equipment and other related costs for:

1. Coordinating with prime contractor to determine the timing for abatement.

2. Mobilizing (including moving all plant and equipment onto the site, providing necessary project utilities or improving existing utilities as necessary, arranging for approved storage areas, issuing and posting all required notices, and providing appropriate cleaning equipment).

3. Conducting all necessary critical cleaning to establish non-permanent and semi-permanent barriers to isolate the various abatement areas, including all abatement elements as described in Paragraph C above.

4. Covering all surfaces and spaces within the confines of the asbestos control areas.

5. Providing air monitoring, including appropriate elements summarized in Air Monitoring in DEFINITIONS below, and in accordance with PART 3 EXECUTION of this section.

6. Collecting all samples and lab air monitoring.

7. Disposing of ACM and related demolition debris in accordance with Part 3.

8. General cleanup and demolition.

9. Removing the non-asbestos control areas.

1.0 GENERAL

1.1 COORDINATION AND TIMING OF ABATEMENT ACTIVITIES

A. The building will be occupied during the project and surrounding areas will be in active use.

B. Abatement work shall take place between 6pm and 6am on Mondays through Thursdays and between 6pm and 6am on Fridays. Daytime work may occur on State holidays with Engineer's permission.

C. The Owner will provide access to temporary power and to cold water for direct projects outside of normal working hours. Also, the subcontractor will need to supply provisions for hot water on the site. The Abatement Subcontractor is responsible for all costs and effort required to develop those utilities for his use.

D. Security to the site shall be maintained for the duration of the abatement project. It will be the responsibility of the Abatement Subcontractor to coordinate with the Contractor and other trades to sequence the work.

A. The publications listed below form a part of the specification to the extent referenced. The publications are referenced in the text by the basic designation only.

   29 CFR 1910.134 Respiratory Protection
   29 CFR 1910.145 Specifications for Accidental Exposure Signs and Symbols
   29 CFR 1926.1000 Hazard Communications

2. Additional References:

A. ACM see Asbestos Containing Material (ACM).

B. Abatement:

1. Leaving in place existing asbestos materials. An example is leaving pipes inside walls when new piping is to be routed differently. Complete documentation must be made of the exact location of the asbestos before abatement, including the type and method of use of any encapsulant.

2. Action Level: See Exposure Standards.

3. A. Hazardous Conditions: Required technique to prepare an area that has posed significant inspection for clearance sampling. Before starting the sampling pumps, the exhaust fan shall be started, and the area shall be sealed off adequate to isolate the area. Sampling pumps shall be placed in the center of the space where each fan is employed to assure that the area includes the ceiling. Sampling fans shall be run at a rate of 10 liters per minute.

4. Environmental Monitoring: Sampling conducted outside the structure where the work will be accomplished to determine the naturally occurring fiber levels present in that location. When results indicate that this level may reach or exceed 0.1 fibers per liter of air, it will be required during this sampling to minimize sample contamination by non-acidic asbestos fiber, such as by rinsing off air monitoring devices before each use.

5. Work Area Background Sampling: Sampling conducted in the area where asbestos work is planned, normally used to determine the level of personal and other protective measures required by personnel preparing the area for asbestos work and to establish the level of contamination present prior to the beginning of asbestos operations.

6. Initial Exposure Assessment Monitoring: Sampling conducted by a competent person immediately before or at the initiation of the operation to ascertain the expected fiber levels during the operation. Initial Exposure Assessment Monitoring must be conducted in time to allow compliance with applicable exposure standards as well as in order to assess the accuracy or the lack of a "negative exposure assessment", and to provide information necessary to assure that appropriate protective equipment will be suitable for the operation and will work properly. Until Initial Exposure Assessment Monitoring confirms that the job will not be exposed in excess of the PEL or a "negative exposure assessment" for asbestos containing materials has been observed for the 8th floor, it may be demonstrated that employee exposures will be in excess of the PEL and that employees are exposed in excess of the PEL and exclusion limit.

7. Negative Exposure Assessment: For any one specific asbestos job and at any time during the performance of the contract, the designee of或may be identified to determine the completion of the abatement of asbestos work or at the completion of the specific phase of asbestos work prior to removing the enclosure. It is accomplished by the provisions included within the clearance concepts defined in “Clearance Levels” below. Clearance sampling is normally accomplished in the same locations and on the basis of work.
X. Encapsulation: A liquid material which can be applied to ACM which reduces the potential for release of asbestos fibers from a material, either by creating a membrane over the surface (bridging encapsulant) or by penetrating into the material and binding its components together (penetrating encapsulant).

Y. Encapsulation effectiveness shall be determined by performing a sealed, permanent structure around asbestos. Complete documentation must be made of the exact location and condition of the asbestos and the condition of all asbestos-containing materials before the sealed structure is constructed.

Z. Asbestos Containing Material (ACM): Material composed of asbestos of any type, in any amount equal to or greater than 1 percent by weight, either alone or in combination with other materials.

AA. Asbestos Control Area: An area where operations involving asbestos are performed which is isolated by physical barriers designed to prevent the spread of asbestos fibers or dust and, to prevent or deter the entry of untrained and unprotected personnel. For areas where isolation is not possible, a negative pressure differential shall be maintained by means of local exhaust, or respiratory protective equipment equipped with specialized filters or devices that shall be equivalent to material composition, project size, number of employees, and in the engineering, work practice, environmental, and health and safety aspects on asbestos projects of similar nature and scope to ensure capability of performing asbestos-related work.

BB. Asbestos Management Plan: A method with limited applications for removing small amounts of asbestos-containing material from HVAC ducts, short piping runs, valves, joints, elbows, and other non-planar surfaces not isolated inside an enclosure. A qualified technician, such as a Licensed Professional Safety Engineer, Certified Safety Professional, and other qualified person with a minimum of 5 years of experience in industrial hygiene, shall be used to perform tasks that are not possible by using EPA cleaning technology of OSHA..

CC. Asbestos Air Monitoring: Personal monitoring, which is not used for analysis, shall be performed which is isolated by physical barriers designed to prevent the spread of asbestos fibers or dust and, to prevent or deter the entry of untrained and unprotected personnel. For areas where isolation is not possible, a negative pressure differential shall be maintained by means of local exhaust, or respiratory protective equipment equipped with specialized filters or devices that shall be equivalent to material composition, project size, number of employees, and in the engineering, work practice, environmental, and health and safety aspects on asbestos projects of similar nature and scope to ensure capability of performing asbestos-related work.

DD. Asbestos Surveys: A detailed survey described by specially trained, experienced technicians of a specific area to determine the presence, absence, condition, and amount of asbestos and asbestos contamination present in that area.

EE. Asbestos Workers: Personnel involved in the abatement and control of asbestos work who have been exposed to asbestos or whose job requires that they work near or with fibers, and who are not asbestos workers as defined by OSHA and are not employed by the same employer.

FF. Asbestos Workers Personal Hygiene Area: A dedicated area containing shower(s), change room, and, if needed, toilet facilities where personal working with asbestos fibers or dust is conducted. The control area not established in can change into protective clothing, and darabe, shower, and change into clean clothing without contacting fibers or dust with clothing, and then change into clean clothing before leaving the area.

GG. Asbestos Environmental Hygiene: Personal hygiene control required. An equivalent individual, such as a Licensed Professional Safety Engineer, Certified Safety Professional, and other qualified person with a minimum of 5 years of experience in industrial hygiene, shall be used to perform tasks that are not possible by using EPA cleaning technology of OSHA.

HH. Asbestos Air Monitoring: Personal monitoring, which is not used for analysis, shall be performed which is isolated by physical barriers designed to prevent the spread of asbestos fibers or dust and, to prevent or deter the entry of untrained and unprotected personnel. For areas where isolation is not possible, a negative pressure differential shall be maintained by means of local exhaust, or respiratory protective equipment equipped with specialized filters or devices that shall be equivalent to material composition, project size, number of employees, and in the engineering, work practice, environmental, and health and safety aspects on asbestos projects of similar nature and scope to ensure capability of performing asbestos-related work.

II. Asbestos Management Plan: A method with limited applications for removing small amounts of asbestos-containing material from HVAC ducts, short piping runs, valves, joints, elbows, and other non-planar surfaces not isolated inside an enclosure. A qualified technician, such as a Licensed Professional Safety Engineer, Certified Safety Professional, and other qualified person with a minimum of 5 years of experience in industrial hygiene, shall be used to perform tasks that are not possible by using EPA cleaning technology of OSHA.
4. Contractual Errors: Submit the name(s) of the person(s) involved in any errors or omissions that may affect the quality of the work, the qualifications of the personnel performing the work, or the work plan described in DEFINITIONS above.

5. Indigent Labor: For the purposes of this section, the term "indigent labor" means employees of the Contractor who have a minimum thickness of 6 mil, and meet NFPA 701 standards.

6. Testing Laboratory: If Asbestos Air Monitoring is included in the Contract, submit the name, address, telephone number and qualifications of the independent laboratory selected to perform the testing and reporting of asbestos fibers. Include documentation certifying that all technicians performing the analysis have been judged proficient by successful participation within the last year in the NIOSH proficiency testing program, an equivalent ARA program, or an equivalent internal laboratory testing program.

7. Pre-Work Submittal and Protective Method Plans: Details of planned protective equipment and protective measures, including the name(s), address(es), and telephone number(s) of those providing or supervising such services, as well as the name of the person(s) responsible for such specific type of operation or condition. Include supporting justification when alternate or less than the maximum specified protection is proposed.

8. Any changes to procedures, methods, conditions, etc., identified in the approved Pre-Work Submittal must be submitted in writing for review and approval by the Engineer prior to the implementation of the change. The changes must be reviewed and approved by the Certified Industrial Hygienist prior to being submitted to the Engineer for review. Changes must be implemented immediately for the protection of workers, personnel outside the work area, the structure or environment, and general public. Changes established and established in an environment more stringent than previously existing, the changes may be implemented by the competent person or persons having the authority to implement such changes, and the Engineer notified immediately. These changes will then be submitted in writing within 24 hours for record keeping purposes.

9. Any analytical data collected as part of the pursuit of the WORK shall be considered the property of the Owner and shall be submitted to the Owner within 24 hours of receipt of such data.

1.6 POST-WORK SUBMITTALS

The Post-Work Submittal shall be submitted digitally and approved by the Engineer as complete. The work shall be considered complete when the Post-Work Submittal shall include:

1. Work Log: A detailed log of all operations involving the asbestos portion of the work, to include but not limited to:
   a. The names, entry and exit dates and times, duties performed, and protective equipment worn by each individual during their time within the asbestos control area(s); and all asbestos disposal operations shall be under the direct and immediate control of the Consulting Engineer, and the Engineer notified immediately. These changes will then be submitted in writing within 24 hours for record keeping purposes.

2. A listing of all personnel performing asbestos related work outside for the full duration of the Project, including inspectors, monitoring personnel and visitors entering each asbestos control area(s). This information is normally provided on the form of fully legible copies of the entry/exit control log for the control area(s). Each day's listing shall also include a summary of the work performed (quantity, type, location, etc.).

3. A detailed log of all operations involving the asbestos portion of the work, to include but not limited to:
   a. The names, entry and exit dates and times, duties performed, and protective equipment worn by each individual during their time within the asbestos control area(s); and all asbestos disposal operations shall be under the direct and immediate control of the Consulting Engineer, and the Engineer notified immediately. These changes will then be submitted in writing within 24 hours for record keeping purposes.

4. A summary of each problem, incident, contingency, and equipment that occurred, and the actions taken to resolve the situation.

5. A copy of all inspection reports, including the date, time, location, and the work performed.

6. A summary of the work performed (quantity, type, location, etc.).

7. Copies of the complete and reviewed sampling results as an attachment to the submittal.

8. A listing of all personnel performing asbestos related work outside for the full duration of the Project, including inspectors, monitoring personnel and visitors entering each asbestos control area(s). This information is normally provided on the form of fully legible copies of the entry/exit control log for the control area(s). Each day's listing shall also include a summary of the work performed (quantity, type, location, etc.).

8. The work performed (quantity, type, location, etc.).

9. A summary of the work performed (quantity, type, location, etc.).

10. The work performed (quantity, type, location, etc.).
**PLUMBING EQUIPMENT SCHEDULE**

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>ID</th>
<th>LOCATION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COOL NOTES**

- The drawing is intended for use in conjunction with the contract documents. Any deviation from the contract documents is not allowed without written approval.

**STATE OF ALASKA**

**DEPARTMENT OF ADMINISTRATION**

**Division of General Services**

**Facilities Section**

PO Box 11210
Juneau, AK 99811-0210

**ALASKA STATE OFFICE BUILDING**

7th & 8th Floor Renovations

**PROJECT DESIGNATION NUMBER**

2018-0222-3725

**DRAWN BY:**

M1.0

SYMBOLS & SCHEDULES

**STATE**

ALASKA

**YEAR**

2017

[Additional content related to the drawing and its intended use]
MECHANICAL SPECIFICATIONS

SECTION 15010 - GENERAL MECHANICAL

1. WORK INCLUDED: The work consists of furnishing labor, equipment, and materials in accordance with the specifications or drawings, or both, together with any incidental materials required or specified which can be reasonably inferred as belonging to the work and necessary in good practice to provide a complete system described or shown as intended. Equipment installed shall be identical and of equal quality as specified.

2. CODES AND REGULATIONS: All work hereunder shall be strictly in conformance with 2012 International Building Codes and 2012 Uniform Plumbing Code, State of Alaska and City & Borough of Juneau Requirements, latest National Electric Code and applicable codes, and regulations. All electrical equipment shall bear the U.L. label.

3. APPROVALS: Trade names and catalog numbers of manufactured products included herein are intended to indicate the type, size, and grade of equipment. All materials required and such equipment and materials are approved for installation, subject to full compliance with the specifications. Requests for approval of other manufacturers then specified must be accompanied by complete descriptions including overall dimensions, performance data, etc. and specific identification of specific products or items proposed.

4. DATA REQUIRED: Furnish approval data for items where data is required. Other or additional data, as the Owner may deem necessary, shall also be provided when requested. Approval of the data shall not eliminate responsibility for compliance with the drawings or specifications unless specific attention has been called in writing to proposed deviations at the time of transmittal of the data and such deviations have been approved, nor shall it eliminate the responsibility for freedom of errors of any act in the data.

5. AS-BUILT DRAWINGS: All changes shall be noted on a set of blue-lined prints as data for later preparation of as-built drawings. The prints marked for as-built conditions shall be delivered to the Owner prior to the Contractor's application for final payment.

6. ACCESSIBILITY: Valves, gages, fittings, or other equipment or specialties requiring frequent reading, clearing, adjustment, inspection, repair, or removal shall be conveniently and accessibility located so that all equipment or parts thereof requiring removal can be easily removed.

7. ELECTRICAL WORK: Include control wiring for electrical equipment specified herein. Wiring from equipment power input, or from outlets provided in the ELECTRICAL, division. Such wiring provided as required whether shown on the drawings or not. Work in accordance with the ELECTRICAL specifications and applicable codes and the National Electrical Code. Conductors to be copper only. Low voltage control wiring to be made in accordance with the Uniform Plumbing Code, State of Alaska and City & Borough of Juneau Requirements, latest National Electric Code and applicable codes, and regulations. All electrical equipment shall bear the U.L. label.

8. OPERATING AND MAINTENANCE DATA: Provide manufacturers’ instructions for operation and maintenance of all mechanical equipment and specialties, including replacement parts lists, capacity curves or charts, equipment data sheets, manufacturer’s literature on the equipment, and as-built wiring diagrams and control drawings, all available for side binding to 8-1/2 x 11 inch size. All data not applicable to the job to be crossed out or deleted.

9. SECTION 15050 - BASIC MATERIALS AND METHODS

1. DOMESTIC WATER PIPE AND FITTINGS: Above ground mains and branches to be hard-drawn copper tubing, FS WW-T-799M, Type L, Class 1, with copper soldered fittings. Install piping per manufacturers’ requirements. All components to be lead free as required by UPC.

2. FLOOR, WALL AND CEILING PLATES: Nickel-plated or stainless steel, of sufficient size to completely cover pipe sleeve or hole, and fit tightly to surface. Wall and ceiling plates secured to pipe.

3. WASTE AND VENT: Above ground to be no-hub coated cast-iron pipe and fittings, CISPI Standard 301-72, or Schedule 40 galvanized or Schedule 40 ABS. All vertical waste piping shall be cast-iron for sound deadening purposes.

4. UNION: Installed in piping connections to all equipment and where shown or required, arranged to facilitate removal or replacement of equipment.

5. PIPE SUPPORTS: Per Uniform Plumbing Code Table 311.3 for specific piping system utilized.

6. WALLS, FLOORS, AND CEILING PENETRATIONS: In rated walls, floors, and ceilings, all ducts, piping, conduit, and penetrations by equipment furnished under this division through all one-hour or greater rated walls, floors, ceilings, and partitions sealed airtight with fire, equivalent to Dow Corning Fire Stop foam or Fyre Putty sealant. Other products may be used upon approval. In non-rated walls, floors, and ceilings, all ducts, piping, conduit, and penetrations by equipment furnished under this division through non-rated walls, floors, ceilings, and partitions installed with a neat-appearing penetration. Insulated pipes with insulation butted to wall, floor, or ceiling. Uninsulated pipes, ducts, or conduit sealed with silicone or cement.

7. SYSTEM VALVES: 125 psi working pressure. Full-Port Ball valve, unless shown or specified otherwise. Valves at equipment connections are to be same size as connecting piping. Valves stems positioned horizontal or above horizontal. NSF approved.

SECTION 15250 - INSULATION

1. PIPE AND EQUIPMENT INSULATION: All piping insulation must have a flame spread/smoke developed rating of 25/50 or less per ASTM E-84. Mineral fiber, 1 inch thick up to 3 inch IPS, and Polyurethane foam or lavender color, and hot water, with a 1 inch thick individual insulation. FS HH-65/58, Form D, Type III, Class 12, with all-purpose flame retardant jacket. By skilled artisans directly in the employ of a firm specializing in this type of work. Placed along the entire system has been tested and approved, unless otherwise approved by the Owner for each section of piping. Exposed pipe insulation fully covered with vinyl jacketing. Insulates all domestic water and heating piping.

2. Safety covers below ADA exposed plumbing fixtures: Manufactured safety cover insulation kits are acceptable. Similar and equal to Plumberex Handy Shield, Specialty Products, or Truebro Inc. Lav-Guard kits. Installed on ADA compliant lavatories and sinks.

SECTION 15400 - PLUMBING SYSTEMS

1. WATER PIPING: Arranged to permit drainage to equipment, mechanical room, or fixtures, pitched at 1/4 inch per 10 feet. Drain valves installed at all low points on mains. Exposed pipes run straight and parallel to building walls. Risers plumb and true. No caulkings of joints in steel or copper pipe or any of equipment permitted. Interior of all piping clean before installation. After piping installation and before final connections to branches, risers, or fixtures, piping, including branches and risers, washed out with water. All piping to plumbing fixtures anchored solid at the wall to prevent movement in any direction.

2. DRAINAGE PIPING: Soil, waste, and floor drainage piping run as shown, with grades not less than 1/4 inch per foot. Vent piping pitched 1/4 inch per 10 feet. All material and fittings shall conform to the requirements of the Uniform Plumbing Code. All fixtures individually vented. No horizontal vent less than 6 inches above the overflow line of the fixture served except as shown for floor drain vents below grade. All fixtures vented within 3 feet of the fixture.

3. PIPING TESTS: Enclosed piping tested before connecting. Equipment, gages, controls, and thermometer wells suitably protected during tests. Tests made in the presence of the Owner or their representative. All domestic water piping tested hydrostatically at 125 psi for three minutes of one hour. Drainage, waste, and vent piping tested hydrostatically by filling piping with water to highest point for a minimum of one hour. In the above tests, the system under test to remain tight without leaks, displacement, or straining. Leaks developing during tests continued and tests renewed until a perfectly tight job is obtained. Leakage in threaded piping repaired without caulking and system relaid.

SECTION 15450 - PLUMBING FIXTURES AND TRIM

1. All fixtures to be of one manufacture unless specified otherwise. All exposed metal parts of fixtures, trim, and supplies to be polished chromium-plated unless specified otherwise. Escutcheons at wall on all exposed piping. ‘Hot’ water at left, and cold water at right, and indexed handles if applicable. All sink supply spouts with aerators. Braze or blocking provided as required to provide solid support. All supply piping to fixture anchored at wall. Accurately plumbed, horizontal, and in line. All components to be lead free as required by UPC.

SECTION 15800 - AIR DISTRIBUTION

1. SHEET METAL: All sheet metal fabricated of galvanized steel with construction and installation per latest edition of SMACNA. All joints sealed with water based plastic duct sealant. Ducts anchored to structural parts of the building at intervals not greater than 10 feet. Ducts suspended with 1-inch wide 18-gage galvanized steel straps on ducts 30 inch and smaller, and 1/8-inch thick on ducts over 30 inch. Ducts through floors and walls caulked or sealed around duct, with sheet metal collar attached to duct to neatly cover opening and provide airtight seal.

SECTION 15900 - MECANICAL CONTROLS

1. CONTROLS: Existing system is SIEMENS Direct Digital Controls. Relocation of thermostats and wiring to be done by Siemens technician. Coordinate with Abatement Contractor and Owner on requirements.
SINGLE LINE DIAGRAM - EXISTING PARTIAL POWER DISTRIBUTION SYSTEM

No Scale
1. **PARTIAL 8TH FLOOR NEW PLAN – LOW VOLTAGE**

- **Note:**
  1. **Partial 8th Floor Plan:** This partial floor plan is for the low voltage system.
  2. The floor plan includes various rooms and areas labeled A through G.
  3. The plan details are provided in a legend format at the bottom of the page.

- **Legend:**
  - **Legend Codes:** Various symbols and notations are used to indicate different elements on the floor plan.
  - **Room Labels:** Each room is labeled with a letter (A to G) for identification.

- **Details:**
  - **Floor Plan Overview:** The plan outlines the layout of the 8th floor, including walls, doors, and electrical systems.
  - **Legend Guide:** A key is provided on the right side of the page to explain the symbols used.

- **Title:**
  - **Title:** Partial 8th Floor Low Voltage Plan.
  - **Project:** Part of a larger project involving the renovation of 7th and 8th floors.

- **References:**
  - **Source:** State of Alaska, Department of Administration.
  - **Design:** Firm of record, design firm details are not specified in the visible part of the page.

- **Date:**
  - **Date:** August 2017.

- **Additional Information:**
  - **Project Information:** Includes project number and other relevant information.

- **Legal Requirements:**
  - **Some symbols indicate compliance with local codes and regulations.**

- **Scale:**
  - **Scale:** The plan is drawn to scale, with specific units and measurements provided in the legend.

- **Approvals:**
  - **Approvals:** Likely, the plan has undergone appropriate approvals, though specific details are not visible in the image.

- **Engineering:**
  - **Engineering Firm:** HNTB Engineering Firm, though specific details are not visible in the image.

- **Disclaimer:**
  - **Disclaimer:** The plan is subject to revision and may require additional details or annotations for full comprehension.

- **Governmental:**
  - **Governmental:** Likely part of an official government project, though specific details are not visible in the image.

- **Location:**
  - **Location:** Alaska State Office Building, 7th & 8th Floor Renovations.
### PANEL 7LA3

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Width</th>
<th>Height</th>
<th>Qty1</th>
<th>Qty2</th>
<th>Location</th>
<th>Right</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PANEL L43

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Width</th>
<th>Height</th>
<th>Qty1</th>
<th>Qty2</th>
<th>Location</th>
<th>Right</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PANEL 7LA3

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Width</th>
<th>Height</th>
<th>Qty1</th>
<th>Qty2</th>
<th>Location</th>
<th>Right</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PANEL L43

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Width</th>
<th>Height</th>
<th>Qty1</th>
<th>Qty2</th>
<th>Location</th>
<th>Right</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PANEL SCHEDULES

- **PROJECT CONTRACT**: (Not visible in the image)
- **PROJECT YEAR**: 2017
- **STATE**: ALASKA

---

A7001 ALASKA STATE OFFICE BUILDING 7TH & 8TH FLOOR RENOVATIONS

E1.3-7 PANEL SCHEDULES

**PROJECT CONTRACT NUMBER**: (Not visible in the image)

**PROJECT YEAR**: 2017

**STATE**: ALASKA
SPECIFICATION

1.0 INTRODUCTION

2.0 DESCRIPTION

3.0 REQUIREMENTS

4.0 INSTALLATION

5.0 TESTING

6.0 MAINTENANCE

7.0 OPERATIONS

8.0 SUPPLEMENTAL

9.0 GENERAL

10.0 DRAWINGS

11.0 SPECIFICATION

12.0 DRAWING

SPECIFICATIONS

STATE OF ALASKA
DEPARTMENT OF ADMINISTRATION

ALASKA STATE OFFICE BUILDING
7TH & 8TH FLOOR RENOVATIONS

AUGUST 2017

E5.1

STATE: ALASKA
YEAR: 2017