ADDENDUM No. 3 TO THE CONTRACT DOCUMENTS

Project: *Powerhouse 125 VDC Station Service Replacement Project*

Addendum Issue Date: August 17, 2018

Issued for Bid Date: June 19, 2018

Bid Due Date: August 30, 2018, 2:00pm (AK)

Previous Addenda Issued: Addendum 1 on July 20, 2018, Addendum 2 on August 3, 2018

Issued By: William Farrell
Electric Power Systems, Inc.
3305 Arctic Blvd., Suite 201
Anchorage, Alaska 99503

Notice to Bidders:

Bidders must acknowledge receipt of this addendum prior to the date set for bid opening by one of the following methods:

(1) By acknowledging receipt of this addendum on the bid submitted.
(2) By fax which includes a reference to the project and addendum number.

The bid documents require acknowledgment individually of all addenda to the drawings and/or specifications. This is a mandatory requirement and any bid received without acknowledgment of receipt of addenda may be classified as not being a responsive bid. If, by virtue of this addendum it is desired to modify a bid already submitted, such modification may be made by fax provided such a fax makes reference to this addendum and is received prior to the opening date specified above.

The contract Documents for the above project are amended as follows (all other terms and conditions remain unchanged):

ITEM 1
Contract: *City of Unalaska Powerhouse 125 VDC Station Service Replacement*
Section: Part 1 – Bidding Requirements, Section 0030.

Sealed bids will now be received until 2:00 p.m. (AKST) on August 30, 2018.

ITEM 2
Contract: *City of Unalaska Powerhouse 125 VDC Station Service Replacement Project*
Section: *Project Drawings*

Drawing No.A1.04 is added to the Project Drawings. The project will require the addition of a platform to add a second method for egress from the 3rd floor of the powerhouse. Note that contractor provided drawings for Owner approval will be required. Also, note that the drawing set now consists of 30 drawings rather than 29. See attachments for Drawing No. A1.04.

A photograph of the new platform location is attached to this addendum for reference.

ITEM 3
Contract: *City of Unalaska Powerhouse 125 VDC Station Service Replacement*
Section: Technical Specifications

One additional specification section has been added to address demolition work. See attachments for Specification Section 024119.

END OF ADDENDUM NO. 3

WALKING PLATFORM PERFORMANCE SPECIFICATION

1.3 REFERENCES

A. ALL DESIGN STANDARDS SHALL BE IN ACCORDANCE WITH:

1. OSHA 1910 STANDARDS.
2. DESIGNED PER THE ALUMINUM DESIGN MANUAL 2015 EDITION
3. MANUFACTURER, OR THEIR REPRESENTATIVE, WILL PROVIDE STAMPED AND SIGNED INSTALLATION DRAWINGS BY A REGISTERED STRUCTURAL ENGINEERING IN THE STATE OF ALASKA IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION.

2.01 MANUFACTURERS

A. ALL PUNCHED PLATFORMS, SIX AXIS TUBE LASERED LADDERS, SIX AXIS TUBE LASERED TOWERS, HANDRAILS, SIX AXIS TUBE LASERED STAIRS AND COMPONENT PARTS MANUFACTURED BY THE FOLLOWING COMPANY:

B. ERECTASTEP OR APPROVED EQUAL. NO ALTERNATIVES WILL BE APPROVED WITHOUT WRITTEN AUTHORIZATION FROM OWNER IS OBTAINED.

2.02 MATERIALS/COMPONENTS

A. PLATFORM SHALL BE MADE OF 6063-T6 ALUMINUM AND CONSIST OF:

1. PRE-ENGINEERED AND PREFABRICATED 36"X 36"IN SIZE AND MUST BE MADE IN THE USA STAMP
2. THE PLATFORM SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM WITH A STAMPED POSITIVE-TRACTION WALK SURFACE.
3. UNITS WILL HAVE COMMON BOLT HOLE PATTERNS ON A FOUR PLATFORMS SIDES

B. HANDRAIL

1. HANDRAIL TO CONSIST OF UNIVERSAL NUT PLATE INSERT TO BOLT TO ANY SIDE OF THE PLATFORM
2. PREFABRICATED TO FIT A 36"SIDE OF A PLATFORM
3. 1.9"OUTER DIAMETER PIPE ALUMINUM CONSTRUCTION POWDER COATED
4. HANDRAILS SHALL BE MADE OUT OF 1 1/2 SQUARE SCHEDULE 10 ALUMINUM PIPE 6063-T6 ALUMINUM, MID-RAIL IS 1"SCHEDULE 40/ 6063-T6, KICK PLATE ¼ SQUARE 5052-H32 ALUMINUM.

C. STAIR

1. STAIR BASE 3 THRU 6-STEP STAIRS DESIGNED TO BE CONNECTED TOGETHER TOTALING UP TO 15 STEPS
2. 26" WIDE STAMPED POSITIVE TRACTION SURFACE 3/16 5052-H32, ALUMINUM, 5 GAUGE PUNCHED POSITIVE TREAD ALUMINUM
3. PREFABRICATED TO FIT ANY SIDE OF A MODULAR PLATFORM
4. HANDRAILS ON BOTH SIDES TO BE POWDER COATED PIPE CONSTRUCTION SAFETY YELLOW AND CAN BE CONNECTED TO 3-6 STEP STAIR UNITS

D. MATERIAL STANDARDS:

1. HANDRAILS SHALL BE MADE OUT OF 1 1/2 SCHEDULE 10 ALUMINUM PIPE 6063-T6 ALUMINUM, MID-RAIL 1"SCHEDULE 40 ALUMINUM 6063-T6, KICK PLATE ¼ SQUARE 5052-H32 ALUMINUM POWDER COATED FINISH
2. PLATFORMS 3/16 5052-H32 ALUMINUM
3. STRINGER 6061 ALUMINUM
4. TOWERS 6061 ¼ EXTRUDED FLAT TUBE ALUMINUM
5. STAIR TREADS 1/8 5052-H32 ALUMINUM PUNCHED POSITIVE TREAD
6. BOLTS ARE SAE J429 GALVANIZED COATED GRADE 5, ½ BOLTS ¼HEAD ½ NUTS
7. UPPER AND LOWER CASTINGS ARE CASTED A380 ALUMINUM

E. MATERIAL FINISH

1. PLATFORMS- ALUMINUM MILL FINISH
2. STRINGERS – ALUMINUM MILL FINISH
3. STAIR TREADS- ALUMINUM MILL FINISH
4. UPPER AND LOWER CASTINGS- ALUMINUM MILL FINISHED
5. HANDRAIL- POWDER COATED-

a. COVERAGE: MINIMUM COVERAGE 2-4 MILS THICK.

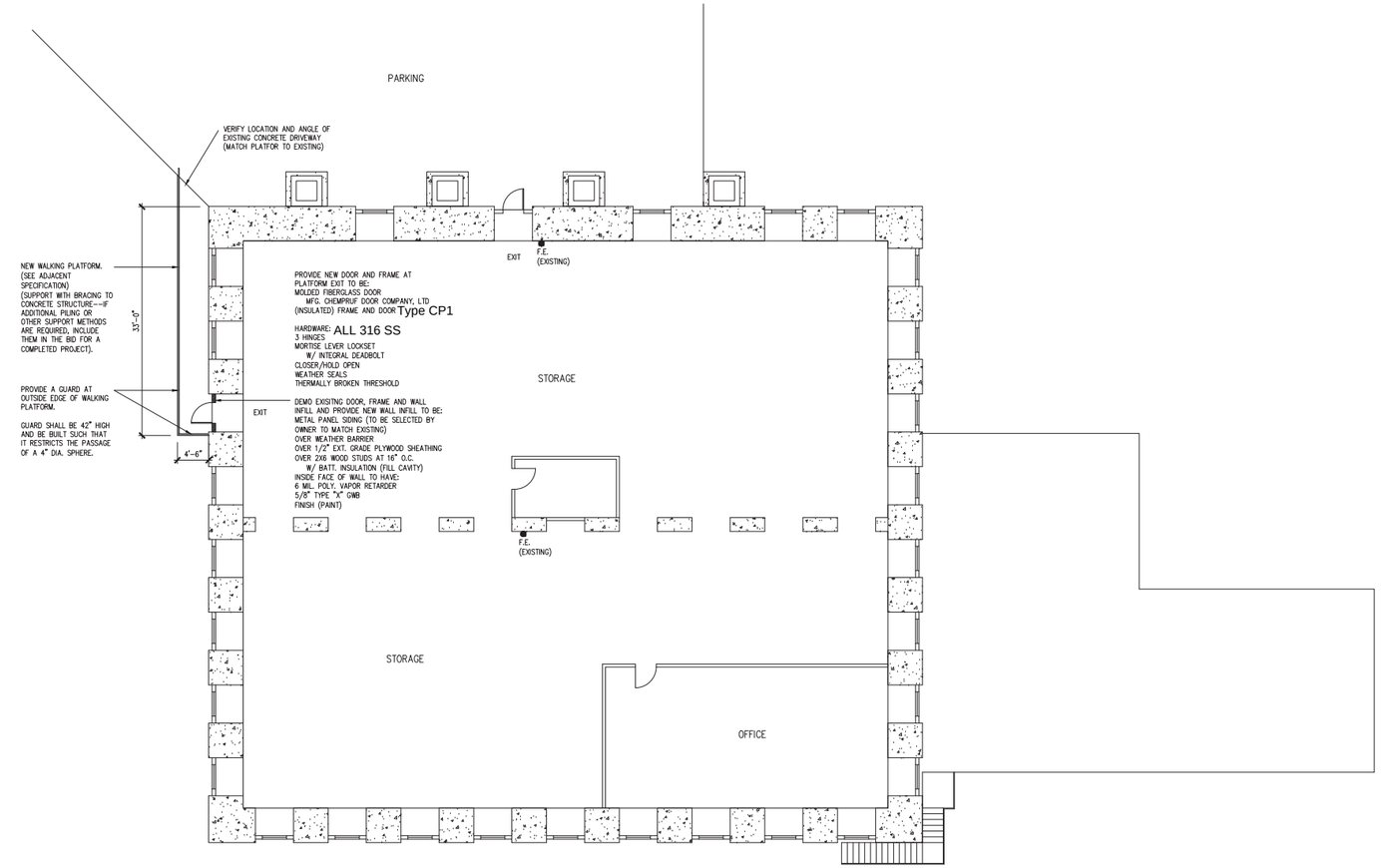
MEASUREMENT: THE NORMAL STANDARD UNIT USED IN POWDER THICKNESS MEASUREMENT IN AMERICA IS THE MIL: 1.0 MIL EQUALS A THOUSANDTH OF AN INCH (1/1000 INCH). IF THE MANUFACTURER HAS SPECIFIED THICKNESS IS 2.0 TO 5.0 MILS, THE FINAL CURED THICKNESS OF THE POWDER SHOULD BE BETWEEN 0.002 AND 0.005 OF AN INCH. THE METRIC UNIT OF MEASUREMENT IS CALLED THE MICRON (UM); 25.4MICRONS EQUALS 1.0 MIL.

APPLICATORS MUST APPLY THE POWDER EVENLY AND ACCORDING TO THE PRODUCT SPECIFICATION SHEET. THIS PROVIDES THE MAXIMUM BENEFIT FROM THAT PARTICULAR POWDER SPECIFICATION. MOST THICKNESS TESTING SPECIFICATIONS APPLY TO THE CURED THICKNESS OF POWDER.

VISUAL REQUIREMENTS: THE FINISHED POWDER COATED ITEM WILL BE FREE OF OVER SPRAY, ORANGE PEEL, CONTAMINANTS AND NOT SHOW ANY SIGNS OF TRANSLUCENCY.

2 - COAT PAINT SYSTEM (SSPC-SP6) Used in Corrosive Areas.				
Manufacturer's Code	Generic Type	Minimum Dry Film Thickness (DFT)	Number of Coats	Color
Option One:				
Sherwin Williams B67	Epoxy Primer	5 Mils	1 or 2	See Section 7
Sherwin Williams B65	Hi-Solids Polyurethane	4 Mils	1	
Option Two:				
Amerlock 400	Epoxy Primer	5 Mils	1	See Section 7
Amercoat 450 HS	Aliphatic Polyurethane	3 Mils	1	
Option Three:				
Carboline Carbozinc 11	Inorganic Zinc Silicate	3 Mils	1	See Section 7
Carboline Carboguard 890	Cycloaliphatic Amine Epoxy	6 Mils	2	

3 - COAT PAINT SYSTEM (SSPC-SP10) Used in Highly Corrosive Areas				
Manufacturer's Code	Generic Type	Minimum Dry Film Thickness (DFT)/Coat	Number of Coats	Color
Sherwin Williams Phenicon HS	Epoxy Phenolic	7 Mils	2	See Section 7
Handrail to receive an additional 3 mils of Amercoat 450; Color: Safety Yellow				



LEGEND

- EXISTING WALL ASSEMBLY
- NEW CONSTRUCTION
- ■ F.E.C. 2A10BC FIRE EXTINGUISHER AND SEMI-RECESSED CABINET (5 LBS)
- ● F.E. 2A10BC FIRE EXTINGUISHER (5 LBS)

1 third floor plan
scale: 1/8" = 1'-0"

PROJECT: POWER PRODUCTION 125 VDC STATION SERVICE REPLACEMENT			
DESIGNER/PROJECT ENGINEER: CHRISTOPHER COLE JOB #: 17-0049			
NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED BY/DATE
0	ISSUED FOR BID	CC/08-17-2018	CC/08-17-2018

ARCH. STAMP

Electric Power Systems Inc.
Consulting Engineers
TEL: (907) 522-1953
FAX: (907) 522-1182
WEB: WWW.EPSINC.COM

NO.	DRAWING NO./SHEET	REFERENCE DRAWING/DETAIL/PLAN/SECTION DESCRIPTION

DRAWING NAME: CITY OF UNALASKA ARCHITECTURAL THIRD FLOOR PLAN

a1.04.dwg

REF DWG(S):

DRAWING NO.: A1.04

SHEET ____ OF ____

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Demolition and removal of selected portions of building or structure.
2. Demolition and removal of selected site elements.
3. Salvage of existing items to be reused or recycled.

B. Related Requirements:

1. Section 011000 "Summary" for restrictions on use of the premises, Owner-occupancy requirements, and phasing requirements.

1.3 DEFINITIONS

A. Remove: Detach items from existing construction and dispose of them off-site unless indicated to be salvaged or reinstalled.

B. Remove and Salvage: Detach items from existing construction, in a manner to prevent damage, and deliver to Owner ready for reuse.

C. Remove and Reinstall: Detach items from existing construction, in a manner to prevent damage, prepare for reuse, and reinstall where indicated.

D. Existing to Remain: Leave existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.

E. Dismantle: To remove by disassembling or detaching an item from a surface, using gentle methods and equipment to prevent damage to the item and surfaces; disposing of items unless indicated to be salvaged or reinstalled.

1.4 MATERIALS OWNERSHIP

A. Unless otherwise indicated, demolition waste becomes property of Contractor.

B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.

1. Carefully salvage in a manner to prevent damage and promptly return to Owner.

1.5 PREINSTALLATION MEETINGS

A. Predemolition Conference: Conduct conference at Project site.

1. Inspect and discuss condition of construction to be selectively demolished.
2. Review and finalize selective demolition schedule and verify availability of materials, demolition personnel, equipment, and facilities needed to make progress and avoid delays.
3. Review requirements of work performed by other trades that rely on substrates exposed by selective demolition operations.
4. Review areas where existing construction is to remain and requires protection.

1.6 INFORMATIONAL SUBMITTALS

A. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property for dust control. Indicate proposed locations and construction of barriers.

B. Schedule of Selective Demolition Activities: Indicate the following:
1. Interruption of utility services. Indicate how long utility services will be interrupted.
2. Coordination for shutoff, capping, and continuation of utility services.
3. Coordination of Owner's continuing occupancy of portions of existing building and of Owner's partial occupancy of completed Work.

C. Predemolition Photographs or Video: Show existing conditions of adjoining construction, including finish surfaces, that might be misconstrued as damage caused by demolition operations.

D. Warranties: Documentation indicating that existing warranties are still in effect after completion of selective demolition.

1.7 CLOSEOUT SUBMITTALS

A. Inventory: Submit a list of items that have been removed and salvaged.

1.8 FIELD CONDITIONS

A. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted.

B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.

C. Notify Architect of discrepancies between existing conditions and Drawings before proceeding with selective demolition.

D. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
   1. If suspected hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.
   2. Do not disturb hazardous materials or items suspected of containing hazardous materials except under procedures specified elsewhere in the Contract Documents.
   3. Owner will provide material safety data sheets for suspected hazardous materials that are known to be present in buildings and structures to be selectively demolished because of building operations or processes performed there.

E. Historic Areas: Demolition and hauling equipment and other materials shall be of sizes that clear surfaces within historic spaces, areas, rooms, and openings, including temporary protection, by 12 inches or more.

F. Storage or sale of removed items or materials on-site is not permitted.

G. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.

   1. Maintain fire-protection facilities in service during selective demolition operations.

1.9 COORDINATION

A. Arrange selective demolition schedule so as not to interfere with Owner's operations.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.

B. Standards: Comply with ASSE A10.6 and NFPA 241.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that utilities have been disconnected and capped before starting selective demolition operations.

B. Review Project Record Documents of existing construction or other existing condition and hazardous material information provided by Owner. Owner does not guarantee that existing conditions are same as those indicated in Project Record Documents.

C. Verify that hazardous materials have been remediated before proceeding with building demolition operations.

D. Survey of Existing Conditions: Record existing conditions by use of preconstruction photographs or video.
   1. Inventory and record the condition of items to be removed and salvaged. Provide photographs or video of conditions that might be misconstrued as damage caused by salvage operations.

3.2 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

A. Existing Services/Systems to Remain: Maintain services/systems indicated to remain and protect them against damage.

B. Existing Services/Systems to Be Removed, Relocated, or Abandoned: Locate, identify, disconnect, and seal or cap off utility services and mechanical/electrical systems serving areas to be selectively demolished.

   1. Owner will assist in shut off indicated services/systems when requested by Contractor.
   2. If services/systems are required to be removed, relocated, or abandoned, provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to other parts of building.
   3. Disconnect, demolish, and remove fire-suppression systems, plumbing, and HVAC systems, equipment, and components indicated on Drawings to be removed.

      a. Piping to Be Removed: Remove portion of piping indicated to be removed and cap or plug remaining piping with same or compatible piping material.
      b. Equipment to Be Removed: Disconnect and cap services and remove equipment.
      c. Equipment to Be Removed and Reinstalled: Disconnect and cap services and remove, clean, and store equipment; when appropriate, reinstall, reconnect, and make equipment operational.
      d. Equipment to Be Removed and Salvaged: Disconnect and cap services and remove equipment and deliver to Owner.
      e. Ducts to Be Removed: Remove portion of ducts indicated to be removed and plug remaining ducts with same or compatible ductwork material.

3.3 PROTECTION

A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
   1. Provide temporary weather protection, during interval between selective demolition of existing construction on exterior surfaces and new construction, to prevent water leakage and damage to structure and interior areas.
   2. Protect walls, ceilings, floors, and other existing finish work that are to remain or that are exposed during selective demolition operations.
   3. Cover and protect furniture, furnishings, and equipment that have not been removed.
   4. Provide temporary enclosures for dust control and ventilation.

a. Dust- and HVAC-Control Plan: Submit narrative that indicates the dust- and HVAC-control measures proposed for use, proposed locations, and proposed time frame for their operation. Include the following:
   1) Locations of dust-control partitions at each phase of work.
      a) Polyethylene Sheet: Reinforced, fire-resistive sheet, 10-mil minimum thickness, with flame-spread rating of 15 or less per ASTM E 84 and passing NFPA 701 Test Method 2.
   2) HVAC system isolation schematic drawing.
   3) Location of proposed air-filtration system discharge.
   4) Waste-handling procedures.
   5) Other dust-control measures.

B. Remove temporary barricades and protections where hazards no longer exist.

3.4 SELECTIVE DEMOLITION, GENERAL

A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:

1. Proceed with selective demolition systematically, from higher to lower level. Complete selective demolition operations above each floor or tier before disturbing supporting members on the next lower level.
2. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping. Temporarily cover openings to remain.
3. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
4. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain portable fire-suppression devices during flame-cutting operations.
5. Maintain fire watch during flame-cutting operations.
6. Maintain adequate ventilation when using cutting torches.
7. Remove decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.
8. Remove structural framing members and lower to ground by method suitable to avoid free fall and to prevent ground impact or dust generation.
9. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
10. Dispose of demolished items and materials promptly.

B. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.

C. Removed and Salvaged Items:

1. Clean salvaged items.

2. Pack or crate items after cleaning. Identify contents of containers.
3. Store items in a secure area until delivery to Owner.
4. Transport items to Owner's storage area on-site.
5. Protect items from damage during transport and storage.

D. Removed and Reinstalled Items:

1. Clean and repair items to functional condition adequate for intended reuse.
2. Pack or crate items after cleaning and repairing. Identify contents of containers.
3. Protect items from damage during transport and storage.
4. Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.

E. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition.

3.5 DISPOSAL OF DEMOLISHED MATERIALS

A. Remove demolition waste materials from Project site and dispose of them in an EPA-approved construction and demolition waste landfill acceptable to authorities having jurisdiction.

1. Do not allow demolished materials to accumulate on-site.
2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
3. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.

B. Burning: Do not burn demolished materials.

3.6 CLEANING

A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

3.7 SELECTIVE DEMOLITION SCHEDULE

A. Remove: as indicated on drawings.

B. Remove and Salvage: as indicated on drawings.

C. Remove and Reinstall: as indicated on drawings.

D. Existing to Remain: as indicated on drawings.

END OF SECTION 024119