State of Utah

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Division of Facilities Construction and Management
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ADDENDUM NO. 2

Date: August 10, 2010

To: Contractors

From: Michael Ambre

Reference: Daughters of the Utah Pioneers Phase II Improvements
Capitol Preservation Board – Salt Lake City, Utah
Project No.07273050

Subject: **Addendum No. 2**

Pages	Addendum	1 page
	Architects Addenda	37 pages
	Total	38 pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

2.1 SCHEDULE CHANGES – There are no changes to the project schedule.
2.2 GENERAL – MJSA Architecture – Please see attached sheets.

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ARCHITECTURE | INTERIOR DESIGN

ADDENDUM

Transmitted to:

Michael Ambre, Project Manager
DFCM
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Via email

Daughters of Utah Pioneers Phase II Improvements

DFCM Project No. 07273050

MJSA Project No. 10011

August 10, 2010

ADDENDUM #1 – Daughters of Utah Pioneers Phase II Improvements (Bid Set dated July 12, 2010)

This Addendum is for all persons preparing Bids for the above named project; and, as such, shall be made a part of the Contract Documents. Changes, corrections, and deletions enumerated herein shall be included in the Bidder's Proposal. Bidders shall acknowledge receipt of this Addendum in the space provided on the Proposal; failure to do so may subject Bidder to disqualifications. In case of any conflict between the drawings, specifications, any previous addenda and this addendum, this addendum shall govern.

GENERAL COMMENTS:

1.01 Specification Section 01100 Summary is revised to clarify coordination required for the building rededication currently scheduled for October 8, 2010.

LANDSCAPING:

1.02 In the mid-driveway beds, eliminate the three boulders, gravel mulch, etc. in the east-center 'bed' that is a grated mechanical shaft. (Also see discussion of Alternates below.)

1.03 Sheet L1.1 and Specification Section 01230 incorrectly identified some landscape work for street trees and mid-driveway beds under Base Bid and Alternates. Use the following scopes to clarify these portions of the Landscape work. Section 01230 Alternates is also revised and attached.

Base Bid
- Include noted protection and pruning of specified trees in parking strip along North Main Street and near Museum.

Add Alternate 3
- Specified street trees along North Main, Apricot Avenue and Columbus Street plus pair of 'Tricolor' Beech near the new northwest sidewalk – provide and install trees, correct irrigation and turf if impacted, etc. Also remove one tree north of Carriage House.

Add Alternate 4
- Re-landscape mid-driveway beds as shown/specified and as modified in item 1.02 above.

1.04 The plant, tree and shrub maintenance period specified in Section 02900 paragraphs 1.9 A. 1. and 1.10 A. 1. refers to the warranty period. The subcontractor is responsible for condition of all plants at the end of the warranty period. The paragraphs describe investigation, notification, coordination and/or action that may be appropriate during that warranty period to maintain acceptable plant condition.

ARCHITECTURE:

1.05 Sheets AD1-01, AS1-01 and AS1-02 revised to provide location/extent of revised Alternates (also see below).

1.06 On sheet AS1-03, notation added directing removal of existing hose bib at southwest corner of building and patching resulting hole in cast stone foundation cladding.

1.07 Minor corrections on drawing A2/AE3-01 including partial view of ladder. No change of scope.

MECHANICAL:

1.08 PRIOR APPROVALS – The following manufacturers, trade names and products are allowed to bid on a name brand only basis with the provision they completely satisfy all and every requirement of the drawings, specifications and all addenda and shall conform to the design, quality and standards specified, established and required for the complete and satisfactory installation and performance of the building and all its respective parts:

Item	Manufacturer	Comments
Inline Exhaust Fans	Breidert	
Louvers	NCA	

SPECIFICATIONS:

1.09 Section 01210 Allowances revised.

1.10 Section 01230 Alternates updated/revised with new Alternates created modifying the Base Bid scope of work.

1.11 Section 01500 Temporary Facilities and Controls (paragraphs 1.2 C. and D) revised to include specific directives for protection of museum artifacts, museum conditions and security requirements. Temporary field office requirements clarified (see 2.2 B. 2.).

1.12 Section 08800 Glazing paragraph 2.8 A. revised modifying laminated glass type LG-1 both PVB interlayer and inner lite.

1.13 Section 09900 Painting 1.1 A. revised limiting scope of repainting to existing northwest entry handrail and new bollards.

ATTACHMENTS:

- Sheet AD1-01
- Sheet AS1-01
- Sheet AS1-02
- Sheet AS1-03
- Sheet AE3-01
- Specification Section 01100
- Specification Section 01210
- Specification Section 01230
- Specification Section 01500
- Specification Section 08800
- Specification Section 09900

Issued by:

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cc: Michael Ambre, Project Manager; DFCM (printed copy)

SECTION 09900 - PAINTING

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes surface preparation, painting, and finishing of exposed exterior items and surfaces. **Work is limited to painting the following:**

1. **All elements of existing handrail at northwest Museum entry.**
2. **Bollards scheduled for installation near northeast corner of Museum.**

B. "Paint" as used herein means all coating systems materials, including primers, emulsions, enamels, stains, sealers and fillers, and other applied materials whether used as prime, intermediate or finish coats.

C. Surfaces to be painted: Except where natural finish of material is specifically noted as a surface not to be painted, paint all exposed surfaces whether or not colors are designated in Schedules. Where items or surfaces are not specifically mentioned, paint the same as similar adjacent materials, features or areas. If color or finish is not designated, Architect will select from standard or custom colors and finishes.

1. Surface preparation, priming and coats of paint specified are in addition to shop-priming and surface treatment specified herein or under other sections of work.
2. Walls behind scheduled coverings shall receive prime coat.
3. Unless otherwise noted, if scheduled or associated elements or surfaces are visible, they are to be painted.

D. Following categories of work are not included as part of field-applied finish work.

1. Pre-Finished Items: Unless otherwise indicated, do not include painting when factory-finishing or installer-finishing is specified for such items as (but not limited to) metal toilet enclosures, prefinished partition systems, acoustic materials, architectural woodwork and casework, elevator entrance doors and frames, elevator equipment, and finished mechanical and electrical equipment, including light fixtures, switchgear and distribution cabinets.
2. Concealed Surfaces: Unless otherwise indicated, painting is not required on surfaces such as walls or ceilings in concealed areas and generally inaccessible areas, foundation spaces, furred areas, utility tunnels, pipe spaces, duct shafts and elevator shafts.
3. Finished Metal Surfaces: Unless otherwise indicated, metal surfaces of anodized aluminum, stainless steel, chromium plate, copper, bronze or similar finished materials will not require finish painting.
4. Operating Parts: Unless otherwise indicated, moving parts of operating units, mechanical and electrical parts, such as valve and damper operators, linkages, sinkages, sensing devices, motor and fan shafts will not require finish painting.
5. Do not paint over any code-required labels, such as Underwriters' Laboratories and Factory Mutual, or any equipment identification, performance rating, name, or nomenclature plates.

E. Related Sections:

1. Shop Primers: Unless otherwise specified, shop priming of ferrous metal items is included under various sections for structural steel, metal fabrications, hollow metal work and similar items.

a. Unless otherwise specified, shop priming of fabricated components such as architectural woodwork, wood casework and shop-fabricated or factory-built mechanical and electrical equipment or accessories is included under other sections of these specifications.

F. Related Documents: Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to work of this section.

1.2 SUBMITTALS

A. Product Data: Submit manufacturer's technical information including Paint label analysis and application instructions for each material proposed for use.

B. Samples/Mock-ups: Prior to beginning work, Architect will furnish color chips or designations for surfaces to be painted. Use representative colors when preparing samples for review. Submit samples for Architect's review of color and texture only. Provide a listing of material and application for each coat of each finish sample.

1. On 12" x 12" hardboard, provide two samples of each color and material, with texture to simulate actual conditions. Resubmit samples as requested by Architect until acceptable sheen, color and texture are achieved.
2. On actual wood surfaces, provide two 4" x 8" samples of natural and stained wood finish. Label and identify each as to location and application.
3. On actual wall surfaces and other exterior and interior building components, duplicate painted finishes of prepared samples. Provide full-coat finish samples on at least 100 sq. ft. of surface, or as directed, until required sheen, color and texture is obtained; simulate finished lighting conditions for review of in-place work.

a. Final acceptance of colors will be from samples applied on the job.

1.3 QUALITY ASSURANCE

A. Single Source Responsibility: Provide primers and other undercoat paint produced by same manufacturer as finish coats. Use only thinners approved by paint manufacturer, and use only within recommended limits.

B. Coordination of Work: Review other sections of these specifications in which prime paints are to be provided to ensure compatibility of total coatings system for various substrates. Upon request from other trades, furnish information or characteristics of finish materials provided for use, to ensure compatible prime coats are used.

1.4 DELIVERY AND STORAGE

A. Deliver materials to job site in original, new and unopened packages and containers bearing manufacturer's name and label, and following information:

1. Name or title of material.
2. Fed. Spec. number, if applicable.
3. Manufacturer's stock number and date of manufacture.
4. Manufacturer's name.
5. Contents by volume, for major pigment and vehicle constituents.
6. Thinning instructions.
7. Application instructions.
8. Color name and number.

B. Store materials not in actual use in tightly covered containers. Maintain containers used in storage of paint in a clean condition, free of foreign materials and residue.

1. Protect from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take all precautions to ensure that workmen and work areas are adequately protected from fire hazards and health hazards resulting from handling, mixing and application of paints.

1.5 JOB CONDITIONS

A. Apply water-base paints only when temperature of surfaces to be painted and surrounding air temperatures are between 50°F and 90°F, unless otherwise permitted by paint manufacturer's printed instructions.
B. Apply solvent-thinned paints only when temperature of surfaces to be painted and surrounding air temperatures are between 45°F and 95°F, unless otherwise permitted by paint manufacturer's printed instructions.
C. Do not paint in snow, rain, fog or mist, or when relative humidity exceeds 85%, or to damp or wet surfaces, unless otherwise permitted by paint manufacturer's printed instructions.

1. Painting may be continued during inclement weather if areas and surfaces to be painted are enclosed and heated within temperature and humidity limits specified by paint manufacturer during application and drying periods.

D. Determine moisture content of surfaces to be painted by performing appropriate tests using a commercially available moisture meter. Apply paint only when surfaces are within limits specified by the paint manufacturer’s printed instructions.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. Approved Manufacturers:

1. ICI Paint Stores.
2. PPG Industries, Pittsburgh Paints (Pittsburgh).
3. Pratt and Lambert (P & L).
4. Benjamin Moore & Co.
5. The Sherwin-Williams Company (S-W).
6. Kwal-Howells Paint.

2.2 MATERIALS

A. Material Quality: Provide best quality grade of various types of coatings as regularly manufactured by acceptable paint materials manufacturers. Materials not displaying manufacturer's identification as a standard, best-grade product will not be acceptable.
B. Proprietary names used to designate color or materials are not intended to imply that products of named manufacturers are required to exclusion of equivalent products of other manufacturers.
C. Federal Specifications establish minimum acceptable quality for paint materials. Provide written certification from paint manufacturer that materials provided meet or exceed these minimums.
D. Manufacturer's products which comply with coating qualitative requirements of applicable Federal Specifications, yet differ in quantitative requirements, may be considered for use when acceptable to Architect. Furnish material data and manufacturer's certificate of performance to Architect for any proposed substitutions.
E. Color Pigments: Pure, non-fading, applicable types to suit substrates and service indicated.

F. Lead content in pigment, if any, is limited to contain not more than 0.06% lead, as lead metal based on the total non-volatile (dry-film) of paint by weight. This limitation is extended to interior surfaces and those exterior surfaces, such as stairs, decks, porches, railings, windows, and doors which are readily accessible to children under seven years of age.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Applicator must examine areas and conditions under which painting work is to be applied and notify Construction Manager in writing of conditions detrimental to proper and timely completion of work. Do not proceed with work until unsatisfactory conditions have been corrected in a manner acceptable to Architect.
B. Starting of painting work will be construed as Applicator's acceptance of surfaces and conditions within any particular area.
C. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions otherwise detrimental to formation of a durable paint film.

3.2 PREPARATION

A. General: Perform preparation and cleaning procedures in accordance with paint manufacturer's instructions and as herein specified, for each particular substrate condition.
B. Provide barrier coats over incompatible primers or remove and reprime as required. Notify Construction Manager and Architect in writing of any anticipated problems in using the specified coating systems with substrates primed by others.
C. Remove hardware, hardware accessories, machined surfaces, plates, lighting fixtures, and similar items in place and not to be finish-painted, or provide surface-applied protection prior to surface preparation and painting operations. Remove elements if necessary for complete painting of items or adjacent surfaces. Following completion of painting of each space or area, properly reinstall removed items.
D. Clean all surfaces to be painted before applying paint or surface treatments. Remove oil and grease prior to mechanical cleaning. Program cleaning and painting so that contaminants from cleaning process will not fall onto wet, newly-painted surfaces.
E. Cementitious Materials: Prepare cementitious surfaces to be painted by removing efflorescence, chalk, dust, dirt, grease, oils, and by roughening as required to remove glaze.

    1. Determine alkalinity and moisture content of surfaces to be painted by performing appropriate tests. If surfaces are found to be sufficiently alkaline to cause blistering and burning of finish paint, correct this condition per Manufacturer’s recommendations before application of paint. Do not paint over surfaces where moisture content exceeds that permitted in manufacturer's printed directions.
    2. Clean concrete floor surfaces scheduled to be painted with a commercial solution or muriatic acid, or other appropriate, compatible etching cleaner. Flush floor with clean water to neutralize acid, and allow to dry before painting.

F. Ferrous Metals: Clean ferrous surfaces, which are not galvanized or shop-coated, of oil, grease, dirt, loose mill scale and other foreign substances by solvent or mechanical cleaning.

    1. Caulk fabrication joints in hollow metal door frames which paint application cannot bridge.

G. Touch-up shop-applied prime coats wherever damaged or bare, where required by other sections of these specifications. Clean and touch-up with same type shop primer.
H. Galvanized Surfaces: Clean free of oil and surface contaminants with non-petroleum based solvent.

I. Cast Metals: Properly clean. Fill all pits exceeding 1/8 in. diameter with compatible permanent filler installed per Manufacturer's recommendations. Do not over-fill or smear on adjacent surfaces. Sand or appropriately texture fill material to match general adjacent texture. Apply protective prime coat.

J. Wood: Clean wood surfaces to be painted of dirt, oil, or other foreign substances with scrapers, mineral spirits, and sandpaper, as required. Sandpaper smooth those finished surfaces exposed to view, and dust off. Scrape and clean small, seasoned knots and apply a thin coat of white shellac or other recommended knot sealer, before application of priming coat. After priming, fill holes and imperfections in finish surfaces with putty or plastic wood-filler. Sandpaper smooth when dried.

1. Prime, stain, or seal wood required to be job-painted immediately upon delivery to job. Prime edges, ends, faces, undersides, and backsides of such wood, including cabinets, counters, cases, paneling.
2. When transparent finish is required, use spar varnish for backpriming.

K. Materials Preparation:

1. Mix and prepare painting materials in accordance with manufacturer's directions.
2. Maintain containers used in mixing and application of paint in a clean condition, free of foreign materials and residue.
3. Stir materials before application to produce a mixture of uniform density, and stir as required during application. Do not stir surface film into material. Remove film and, if necessary, strain material before using.

L. Tinting: Unless otherwise noted, tint each undercoat a lighter shade to facilitate identification of each coat where multiple coats of the same material are applied. Tint undercoats to match the color of the finish coat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.

3.3 APPLICATION

A. General: Apply paint in accordance with manufacturer's directions. Use applicators and techniques best suited for substrate and type of material being applied.

1. Paint colors, surface treatments, and finishes, are indicated in Schedules.
2. Provide finish coats compatible with prime paints used.
3. Apply additional coats when undercoats, stains or other conditions show through final coat of paint, until paint film is of uniform finish, color and appearance. Give special attention to insure that surfaces, including edges, corners, crevices, welds, and exposed fasteners receive a dry film thickness equivalent to that of flat surfaces.
4. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Paint surfaces behind permanently-fixed equipment or furniture with prime coat only before final installation of equipment.
5. Paint interior surfaces of ducts, where visible through registers or grilles, with a flat, non-specular black paint.
6. Paint back sides of access panels, and removable or hinged covers to match exposed surfaces.
7. Finish doors on tops, bottoms and side edges same as faces, unless otherwise indicated.
8. Sand lightly between each succeeding enamel or varnish coat or per Manufacturer's recommendations.
9. Omit first coat on surfaces which have been shop-primed unless otherwise indicated.

B. Scheduling Painting: Apply first-coat material to surfaces that have been cleaned, pretreated or otherwise prepared for painting as soon as practicable after preparation and before any subsequent surface deterioration.

1. Allow sufficient time between successive coatings to permit proper drying per Manufacturer's recommendations. Do not recoat until paint has dried to where it feels firms, does not deform or feel sticky under moderate thumb pressure, and application of another coat of paint does not cause lifting or loss of adhesion of the undercoat.
2. Minimum Coating Thickness: Apply materials at not less than manufacturer's recommended spreading rate, to establish a total dry film thickness as indicated or, if not indicated, as recommended by coating manufacturer.

C. Prime Coats: Apply prime coat of material which is required to be painted or finished, and which has not been prime coated by others.

1. Recoat primed and sealed surfaces where there is evidence of suction spots or unsealed areas in first coat, to assure a finish coat with no burn-through or other defects due to insufficient sealing.

D. Pigmented (Opaque) Finishes: Completely cover to provide an opaque, smooth surface of uniform finish, color, appearance and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness or other surface imperfections will not be acceptable.

E. Completed Work: Match approved samples/mock-ups for color, texture and coverage. Remove, refinish or repaint work not in compliance with specified requirements.

3.4 FIELD QUALITY CONTROL

A. The right is reserved by Owner to invoke the following material testing procedure at any time, and any number of times during period of field painting:

1. Owner may engage services of an independent testing laboratory to sample paint being used. Samples of materials delivered to project site will be taken, identified and sealed, and certified in presence of Contractor.

a. Testing laboratory will perform appropriate tests for any or all of following characteristics: Abrasion resistance, apparent reflectivity, flexibility, washability, absorption, accelerated weathering, dry opacity, accelerated yellowness, recoating, skinning, color retention, alkali resistance and quantitative materials analysis.
b. If test results show that material being used does not comply with specified requirements, Contractor may be directed to stop painting work and remove non-complying paint; pay for testing; repaint surfaces coated with rejected paint; and/or remove rejected paint from previously painted surfaces if, upon repainting with specified paint, the two coatings are non-compatible or if directed by Owner.

3.5 CLEAN-UP AND PROTECTION

A. Clean-Up: During progress of work, remove from site discarded paint materials, rubbish, cans and rags at end of each work day.

1. Upon completion of painting work, clean window glass and other paint spattered surfaces. Remove spattered paint by proper methods of washing and scraping, using care not to scratch or otherwise damage finished surfaces.

B. Protection: Protect work of other trades, whether to be painted or not, against damage by painting and finishing work. Correct any damage by cleaning, repairing or replacing, and repainting, as acceptable to Architect.

1. Provide "Wet Paint" signs as required to protect newly-painted finishes. Remove temporary

protective wrappings provided by others for protection of their work, after completion of painting operations.

2. At completion of work of other trades, touch-up and restore all damaged or defaced painted surfaces.

C. Extra Stock: Deliver stock or maintenance materials to Owner. Furnish maintenance material matching products installed, packaged with protective covering for storage and identified with appropriate labels.

1. Paint: Furnish not less than one (1) full gallon for each color and type of paint installed. Paint to be fresh and in unopened/unused cans with complete, original labels.

3.6 EXTERIOR PAINT SCHEDULE

A. General: Provide the following Paint systems for the various substrates, as indicated.

1. Metal

a. Latex Systems

1) Semigloss Finish

1st coat: S-W primer (10 mils wet, 5 mils dry per coat)
2nd coat: S-W A-100 Acrylic Semigloss Coating
3rd coat: S-W A-100 Acrylic Semigloss Coating (10 mils wet, 4 mils dry per coat)

3.8 SHOP PRIMING

A. Shop prime steel surfaces except the following:

1. Surfaces embedded in concrete or mortar. Extend priming of partially embedded members to a depth of 2 inches (50 mm).
2. Surfaces to be field welded.
3. Surfaces to be high-strength bolted with slip-critical connections.
4. Surfaces to receive sprayed fire-resistive materials.

B. Surface Preparation: Clean surfaces to be painted. Remove loose rust and mill scale and spatter, slag, or flux deposits. Prepare surfaces according to the following specifications and standards:

1. SSPC-SP 3, "Power Tool Cleaning."

C. Priming: Immediately after surface preparation, apply primer according to manufacturer's written instructions and at rate recommended by SSPC to provide a dry film thickness of not less than 1.5 mils (0.038 mm). Use priming methods that result in full coverage of joints, corners, edges, and exposed surfaces.

1. Stripe paint corners, crevices, bolts, welds, and sharp edges.
2. Apply two coats of shop paint to inaccessible surfaces after assembly or erection. Change color of second coat to distinguish it from first.

D. Painting: Apply a 1-coat, nonasphaltic primer complying with SSPC-PS Guide 7.00, "Painting System Guide 7.00: Guide for Selecting One-Coat Shop Painting Systems," to provide a dry film

thickness of not less than 1.5 mils (0.038 mm).

3.9 REPAIRS AND PROTECTION

A. Touchup Painting: After installation, promptly clean, prepare, and prime or reprime field connections, rust spots, and abraded surfaces of prime-painted joists and accessories and abutting structural steel prime steel surfaces except the following:

1. Clean and prepare surfaces by SSPC-SP 2 hand-tool cleaning or SSPC-SP 3 power-tool cleaning.
2. Apply a compatible primer of same type as shop primer used on adjacent surfaces.

END OF SECTION 09900

SECTION 08800 - GLAZING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes glazing for the following products and applications, including those specified in other Sections where glazing requirements are specified by reference to this Section:

1. Windows – clear insulated and/or laminated glazing for custom replacement doors and windows, patterned insulated and/or laminated glazing at scheduled windows, etc.

B. Related Sections:

1. Division 8 Sections "Stile and Rail Wood Doors" and "Wood Window Rehabilitation."

1.3 DEFINITIONS

A. Glass Manufacturers: Firms that produce primary glass, fabricated glass, or both, as defined in referenced glazing publications.

B. Glass Thicknesses: Indicated by thickness designations in millimeters according to ASTM C 1036.

C. Interspace: Space between lites of an insulating-glass unit.

D. Deterioration of Insulating Glass: Failure of hermetic seal under normal use attributed to the manufacturing process or to practices for maintaining and cleaning insulating glass contrary to manufacturer's written instructions. Evidence of failure is the obstruction of vision by dust, moisture, or film on interior surfaces of glass.

1.4 PERFORMANCE REQUIREMENTS

A. General: Installed or restored glazing systems shall withstand normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication, or installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects, damage, etc. resulting from construction, installation or standard maintenance.

B. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes acting on glass framing members and glazing components.

1. Temperature Change: 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

1.5 PRECONSTRUCTION TESTING

A. Preconstruction Adhesion and Compatibility Testing: Test each glazing material type, tape sealant, gasket, glazing accessory, and glass-framing member for adhesion to and compatibility with elastomeric glazing sealants.

1. Testing will not be required if data are submitted based on previous testing of current sealant products and glazing materials matching those submitted.

1.6 SUBMITTALS

A. Product Data: For each glass product and glazing material indicated.

B. Glass Samples: For each type of scheduled glass; 12 inches (300 mm) square.

C. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use same designations indicated on Drawings.

D. Qualification Data: For installers, manufacturers of insulating-glass units with sputter-coated, low-e coatings and sealant testing agency.

E. Product Certificates: For glass and glazing products, from manufacturer.

F. Preconstruction adhesion and compatibility test report.

G. Warranties: Sample of special warranties.

1.7 QUALITY ASSURANCE

A. Manufacturer Qualifications for Insulating-Glass Units with Sputter-Coated, Low-E Coatings: A qualified insulating-glass manufacturer who is approved by coated-glass manufacturer.

B. Installer Qualifications: A qualified installer who employs glass installers for this Project who are certified under the National Glass Association's Certified Glass Installer Program.

C. Glass Testing Agency Qualifications: A qualified independent testing agency accredited according to the NFRC CAP 1 Certification Agency Program.

D. Sealant Testing Agency Qualifications: An independent testing agency qualified according to ASTM C 1021 to conduct the testing indicated.

E. Source Limitations for Glass: Obtain insulating glass from single source from single manufacturer for each glass type.

F. Source Limitations for Glazing Accessories: Obtain from single source from single manufacturer for each product and installation method.

G. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below, unless more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this Section or in referenced standards.

1. GANA Publications: GANA's "Glazing Manual."

2. AAMA Publications: AAMA GDSG-1, "Glass Design for Sloped Glazing," and AAMA TIR-A7, "Sloped Glazing Guidelines."
3. IGMA Publication for Sloped Glazing: IGMA TB-3001, "Guidelines for Sloped Glazing."
4. IGMA Publication for Insulating Glass: SIGMA TM-3000, "North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial and Residential Use."

H. Safety Glazing Labeling: Where safety glazing labeling is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction or the manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.

I. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of IGCC.

J. Preinstallation Conference:

1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
2. Review temporary protection requirements for glazing during and after installation.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Protect glazing materials according to manufacturer's written instructions. Prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.

B. Comply with insulating-glass manufacturer's written recommendations for venting and sealing units to avoid hermetic seal ruptures or glass distortion due to altitude change.

1.9 PROJECT CONDITIONS

A. Environmental Limitations: Do not proceed with glazing when ambient and substrate temperature conditions are outside limits permitted by glazing material manufacturers and when glazing channel substrates are wet from rain, frost, condensation, or other causes.

1. Do not install glazing sealants when ambient and substrate temperature conditions are outside limits permitted by sealant manufacturer or below 40 deg F (4.4 deg C).

1.10 EXTRA MATERIALS

A. Furnish extra materials described below that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Glass Units: Full-size units equal to not less than 2.0 percent of each size and type of quantity installed.

1.11 WARRANTY

A. Manufacturer's Special Warranty for Laminated-Glass Products: Manufacturer's standard form in which laminated-glass manufacturer agrees to replace laminated-glass units that deteriorate within specified warranty period. Deterioration of laminated glass is defined as defects

developed from normal use that are not attributed to glass breakage or to maintaining and cleaning laminated glass contrary to manufacturer's written instructions. Defects may include failure of interlayer and other indications of deterioration in lamination.

1. Warranty Period: 5 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 GLASS PRODUCTS, GENERAL

A. Thickness: Where glass thickness is indicated, it is a minimum. Provide glass lites in thicknesses as needed to comply with requirements indicated.

1. Minimum Glass Thickness for Exterior Lites: Not less than 6.0 mm.
2. Minimum Laminated Glass Thickness for Exterior Lites: Not less than 3/8 in.
3. Thickness of Pattern Glass: As indicated.

B. Strength: Where float glass is indicated, provide annealed float glass, Kind HS heat-treated float glass, or Kind FT heat-treated float glass as needed to comply with "Performance Requirements" Article. Where heat-strengthened glass is indicated, provide Kind HS heat-treated float glass or Kind FT heat-treated float glass as needed to comply with "Performance Requirements" Article. Where fully tempered glass is indicated, provide Kind FT heat-treated float glass.

C. Thermal and Optical Performance Properties: Provide glass with performance properties specified, as indicated in manufacturer's published test data, based on procedures indicated below:

1. For monolithic-glass or laminated-glass lites, properties are based on units with lites of thickness indicated.
2. For insulating-glass units, properties are based on units of thickness indicated for overall unit and for each lite.
3. U-Factors: Center-of-glazing values, according to NFRC 100 and based on LBL's WINDOW 5.2 computer program, expressed as Btu/sq. ft. x h x deg F (W/sq. m x K).
4. Solar Heat-Gain Coefficient and Visible Transmittance: Center-of-glazing values, according to NFRC 200 and based on LBL's WINDOW 5.2 computer program.
5. Visible Reflectance: Center-of-glazing values, according to NFRC 300.

2.2 GLASS PRODUCTS

A. Float Glass: ASTM C 1036, Type I, Quality-Q3, Class I (clear) unless otherwise indicated.

B. Heat-Treated Float Glass: ASTM C 1048; Type I; Quality-Q3; Class I (clear) unless otherwise indicated; of kind and condition indicated.

1. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed unless otherwise indicated.
2. For uncoated glass, comply with requirements for Condition A.
3. For coated vision glass, comply with requirements for Condition C (other coated glass).

C. Tempered Glass: ASTM C 1048, Kind FT (fully tempered), Type II, Class 1 (clear), Form 3; Quality-Q6.

2.3 LAMINATED GLASS

A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work limited to those meeting all experience, capability and quality requirements of this Section.

1. Laminated-Glass Units: Factory-assembled units consisting of lites of glass fully laminated by PVB interlayer.

B. Glass: Comply with applicable requirements in "Glass Products" Article as indicated by designations in "Insulating-Glass Types" Article.

2.4 GLAZING SEALANTS

A. General:

1. Compatibility: Provide glazing sealants that are compatible with one another and with other materials they will contact, including glass products, seals of insulating-glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
2. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.
3. VOC Content: For sealants used inside of the weatherproofing system, not more than 250 g/L when calculated according to 40 CFR 59, Subpart D.
4. Colors of Exposed Glazing Sealants: clear.

B. Glazing Sealant: Neutral-curing silicone glazing sealant complying with ASTM C 920, Type S, Grade NS, Class 100/50, Use NT.

1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

a. Dow Corning Corporation; 790.
b. GE Advanced Materials - Silicones; SilPruf LM SCS2700.
c. May National Associates, Inc.; Bondaflex Sil 290.
d. Pecora Corporation; 890.
e. Sika Corporation, Construction Products Division; SikaSil-C990.
f. Tremco Incorporated; Spectrem 1.

C. Glazing Sealant: Neutral-curing silicone glazing sealant complying with ASTM C 920, Type S, Grade NS, Class 50, Use NT.

1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

a. BASF Building Systems; Omniseal 50.
b. Dow Corning Corporation; 795.
c. Polymeric Systems, Inc.; PSI-641.
d. Sika Corporation, Construction Products Division; SikaSil-C995.

D. Glazing Sealant: Neutral-curing silicone glazing sealant complying with ASTM C 920, Type S, Grade NS, Class 25, Use NT.

1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

    a. Dow Corning Corporation; 799.
    b. Polymeric Systems, Inc.; PSI-631.
    c. Schnee-Morehead, Inc., an ITW company; SM5731 Poly-Glaze Plus.

E. Glazing Sealant: Acid-curing silicone glazing sealant complying with ASTM C 920, Type S, Grade NS, Class 25, Use NT.

1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

    a. BASF Building Systems; OmniPlus.
    b. Bostik, Inc.; Chem-Calk 1200.
    c. Dow Corning Corporation; 999-A.
    d. Pecora Corporation; 860.
    e. Polymeric Systems, Inc.; PSI-601.
    f. Schnee-Morehead, Inc., an ITW company; SM5732 Polyglaze.

2.5 GLAZING TAPES

A. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape; nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C 1281 and AAMA 800 for products indicated below:

1. AAMA 804.3 tape, where indicated.
2. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
3. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.

B. Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with adhesive on both surfaces; and complying with AAMA 800 for the following types:

1. AAMA 810.1, Type 1, for glazing applications in which tape acts as the primary sealant.
2. AAMA 810.1, Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.

2.6 MISCELLANEOUS GLAZING MATERIALS

A. General: Provide products of material, size, and shape complying with referenced glazing standard, requirements of manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.

B. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.

C. Setting Blocks: Elastomeric material with a Shore, Type A durometer hardness of 85, plus or minus 5.

D. Spacers: Elastomeric blocks or continuous extrusions of hardness required by glass manufacturer to maintain glass lites in place for installation indicated.

E. Edge Blocks: Elastomeric material of hardness needed to limit glass lateral movement (side walking).

F. Cylindrical Glazing Sealant Backing: ASTM C 1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise produce optimum glazing sealant performance.

2.7 FABRICATION OF GLAZING UNITS

A. Fabricate glazing units in sizes required to fit openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.

B. Clean-cut or flat-grind vertical edges of butt-glazed monolithic lites to produce square edges with slight chamfers at junctions of edges and faces.

C. Grind smooth and polish exposed glass edges and corners.

2.8 LAMINATED-GLASS TYPES

A. Glass Type LG-1: Clear tempered laminated glass.

1. Overall Unit Thickness: 3/8 in. (10 mm).
2. Outer Lite: Class 1 clear fully tempered glass.
a. Thickness: 3/16 in. (4 mm)
3. PVB Interlayer:
a. Thickness: 0.060 in. (1.52 mm)
b. Interlayer color: White diffused
4. Inner Lite: Class 1 clear fully tempered glass
a. Thickness: 3/16 in. (4 mm)
5. Visible Light Transmittance: 68 percent.
6. Visible Light Reflectance: 15 percent.
5. Shading Coefficient: 0.46
6. Solar Heat Gain Coefficient: 0.70

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine framing, glazing channels, and stops, with Installer present, for compliance with the following:

1. Manufacturing and installation tolerances, including those for size, squareness, and offsets at corners.
2. Presence and functioning of weep systems.
3. Minimum required face and edge clearances.
4. Effective sealing between joints of glass-framing members.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings not firmly bonded to substrates.

B. Examine glazing units to locate exterior and interior surfaces. Label or mark units as needed so that exterior and interior surfaces are readily identifiable. Do not use materials that will leave visible marks in the completed work.

3.3 GLAZING, GENERAL

A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.

B. Adjust glazing channel dimensions as required by Project conditions during installation to provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances.

C. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.

D. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction testing.

E. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.

F. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.

G. Provide spacers for glass lites where length plus width is larger than 50 inches (1270 mm).

1. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances, unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
2. Provide 1/8-inch (3-mm) minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.

H. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and according to requirements in referenced glazing publications.

I. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.

J. Set glass lites with proper orientation so that coatings face exterior or interior as specified.

K. Where wedge-shaped gaskets are driven into one side of channel to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.

L. Square cut wedge-shaped gaskets at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended by gasket manufacturer.

3.4 TAPE GLAZING

A. Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush with or protrude slightly above sightline of stops.

B. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.

C. Cover vertical framing joints by applying tapes to heads and sills first and then to jambs. Cover horizontal framing joints by applying tapes to jambs and then to heads and sills.

D. Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.

E. Do not remove release paper from tape until right before each glazing unit is installed.

F. Apply heel bead of elastomeric sealant.

G. Center glass lites in openings on setting blocks and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.

H. Apply cap bead of elastomeric sealant over exposed edge of tape.

3.5 SEALANT GLAZING (WET)

A. Install continuous spacers, or spacers combined with cylindrical sealant backing, between glass lites and glazing stops to maintain glass face clearances and to prevent sealant from extruding into glass channel and blocking weep systems until sealants cure. Secure spacers or spacers and backings in place and in position to control depth of installed sealant relative to edge clearance for optimum sealant performance.

B. Force sealants into glazing channels to eliminate voids and to ensure complete wetting or bond of sealant to glass and channel surfaces.

C. Tool exposed surfaces of sealants to provide a substantial wash away from glass.

3.6 CLEANING AND PROTECTION

A. Protect glass from damage. Do not apply markers, tape, etc. to glass surface. Do not attach protective materials to window sash, trim or other exposed elements. Remove nonpermanent labels and clean surfaces.

B. Protect glass from contact with contaminating substances resulting from construction operations. If, despite such protection, contaminating substances do come into contact with glass, remove substances immediately as recommended in writing by glass manufacturer.

C. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for buildup of dirt, scum, alkaline deposits, or stains; remove as recommended in writing by glass manufacturer.

D. Remove and replace glass that is broken, chipped, cracked, or abraded or that is damaged from natural causes, accidents, and vandalism, during construction period.

E. Wash glass on both exposed surfaces in each area of Project not more than four days before date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended in writing by glass manufacturer.

END OF SECTION 08800

SECTION 01500 - TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes requirements for temporary utilities, support facilities, and security and protection facilities.

B. To protect the existing shingle roof, this scope of work also includes design, installation and use of scaffolding system to 'bridge' from the lower roof level or ground level; spanning over the existing sloped shingle roof and cast stone balustrade; 'landing' in the gutter surrounding the skylight.

C. The Pioneer Memorial Museum contains numerous artifacts of great historic and artistic significance; many are very sensitive to environmental contaminants, UV radiation, etc. Contractor must fully coordinate with Owner and Occupant prior to commencing any activity that could impact the museum conditions. In particular, all activities in the skylight and attic area must be preceded by installation of appropriate protection for all displays and artifacts below. This may include sealing the laylight; installation of panels to prevent breakage of laylight (if laylight is determined to be structurally capable); short- or long-term closure of display area below laylight; installation of a protective scaffolding 'dance floor' beneath the laylight; and/or other appropriate protection. Contractor is responsible for the design, review, installation and maintenance of all protective measures.

D. Security of the artifacts and displays is also paramount. Contractor must take reasonable means to educate all employees and subcontractors as to appropriate security issues and measures. Contractor to carefully plan and coordinate work to minimize any interior work or need to access Museum interior. Access panels from roof and attic to Museum interior to be kept secured. Coordinate all interior work or access with Owner who will initiate appropriate upgrades to museum security.

E. Related Sections include the following:

1. Division 1 Section "Summary" for limitations on utility interruptions and other work restrictions.
2. Division 1 Section "Submittal Procedures" for procedures for submitting copies of implementation and termination schedule and utility reports.
3. Division 1 Section "Execution Requirements" for progress cleaning requirements.
4. Divisions 2 through 16 Sections for temporary heat, ventilation, and humidity requirements for products in those Sections.

1.3 DEFINITIONS

A. Permanent Enclosure: As determined by Architect, permanent or temporary roofing is complete, insulated, and weathertight; exterior walls are insulated and weathertight; and all openings are closed with permanent construction or substantial temporary closures.

1.4 USE CHARGES

A. General: Cost or use charges for temporary facilities shall be included in the Contract Sum. Allow other entities to use temporary services and facilities without cost, including, but not limited to, Architect, testing agencies, and authorities having jurisdiction.

B. Electric Power Service: Pay electric power service use charges for electricity used by all entities for construction operations, if required and metered by Owner. Provide connections and extensions of services as required for construction operations.

C. Water Service: Water from Owner's existing water system is available for use without metering and without payment of use charges. Contractor shall provide connections and extensions of services as required for construction operations.

1.5 SUBMITTALS

A. Site Plan: Show temporary facilities, utility hookups, staging areas, and parking areas for construction personnel.

1.6 QUALITY ASSURANCE

A. Electric Service: Comply with NECA, NEMA, and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.

B. Tests and Inspections: Arrange for authorities having jurisdiction to test and inspect each temporary utility before use. Obtain required certifications and permits.

1.7 PROJECT CONDITIONS

A. Temporary Use of Permanent Facilities: Installer of each permanent service shall assume responsibility for operation, maintenance, and protection of each permanent service during its use as a construction facility before Owner's acceptance, regardless of previously assigned responsibilities.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Pavement: Comply with Division 2 pavement Sections.

B. Portable Chain-Link Fencing: Minimum 2-inch (50-mm), 9-gage, galvanized steel, chain-link fabric fencing; minimum 6 feet (1.8 m) high with galvanized steel pipe posts; minimum 2-3/8-

inch- (60-mm-) OD line posts and 2-7/8-inch- (73-mm-) OD corner and pull posts, with 1-5/8-inch- (42-mm-) OD top and bottom rails. Provide galvanized steel bases for supporting posts.

C. Lumber and Plywood: Comply with requirements in Division 6 Section "Rough Carpentry."

D. Gypsum Board: Minimum 1/2 inch (12.7 mm) thick by 48 inches (1219 mm) wide by maximum available lengths; regular-type panels with tapered edges. Comply with ASTM C 36/C 36M.

E. Insulation: Unfaced mineral-fiber blanket, manufactured from glass, slag wool, or rock wool; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively.

F. Paint: Comply with requirements in Division 9 painting Sections.

2.2 TEMPORARY FACILITIES

A. Field Offices, General: Prefabricated or mobile units with serviceable finishes, temperature controls, and foundations adequate for normal loading. Existing building may be used as Field Office from Notice-to-Proceed to Substantial Completion.

B. Common-Use Field Office: Of sufficient size to accommodate needs of construction personnel. Keep office clean and orderly. Furnish and equip offices as follows:

1. Furniture required for Project-site documents including file cabinets, plan tables, plan racks, and bookcases.
2. **Conference room capacity not required. Owner will coordinate periodic use of interior space for required conferences and meetings.**
3. Heating and cooling equipment necessary to maintain a uniform indoor temperature of 68 to 72 deg F (20 to 22 deg C).
4. Lighting fixtures capable of maintaining average illumination of 20 fc (215 lx) at desk height.

2.3 EQUIPMENT

A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.

B. HVAC Equipment: Unless Owner authorizes use of permanent HVAC system, provide vented, self-contained, liquid-propane-gas with individual space thermostatic control.

1. Use of gasoline-burning space heaters, open-flame heaters, or salamander-type heating units is prohibited.
2. Heating Units: Listed and labeled for type of fuel being consumed, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
3. Permanent HVAC System: If Owner authorizes use of permanent HVAC system for temporary use during construction, provide filter at each return air grille in system and remove at end of construction.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.

B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

3.2 TEMPORARY UTILITY INSTALLATION

A. General: Install temporary service or connect to existing service.

1. Arrange with utility companies, Owner, and existing and adjacent users for time when service can be interrupted, if necessary, to make connections for temporary services.

B. Water Service: Use of Owner's existing water service facilities will be permitted, as long as facilities are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore these facilities to condition existing before initial use.

1. Where installations below an outlet might be damaged by spillage or leakage, provide a drip pan of suitable size to minimize water damage. Drain accumulated water promptly from pans.

C. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.

D. Heating and Cooling: Provide temporary heating and cooling required by construction activities for curing or drying of completed installations or for protecting installed construction from adverse effects of low temperatures or high humidity. Select equipment that will not have a harmful effect on completed installations or elements being installed.

E. Ventilation and Humidity Control: Provide temporary ventilation required by construction activities for curing or drying of completed installations or for protecting installed construction from adverse effects of high humidity. Select equipment that will not have a harmful effect on completed installations or elements being installed. Coordinate ventilation requirements to produce ambient condition required and minimize energy consumption.

F. Electric Power Service: Use of Owner's existing electric power service will be permitted, as long as equipment for connection to service is maintained in a condition acceptable to Owner.

G. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations, observations, inspections, and traffic conditions.

1. Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.
2. Install and operate temporary lighting system to minimize impact on occupants of adjacent buildings.

H. Telephone Service: Provide temporary telephone service in common-use facilities.

1. At each telephone, post a list of important telephone numbers.

    a. Police and fire departments.
    b. Ambulance service.
    c. Contractor's home office.
    d. Architect's office.
    e. Engineers' offices.
    f. Owner's office.
    g. Principal subcontractors' field and home offices.

I. Electronic Communication Service: Provide temporary electronic communication service, including electronic mail, in common-use facilities.

3.3 SUPPORT FACILITIES INSTALLATION

A. General: Comply with the following:

1. Provide incombustible construction for offices, shops, and sheds located within construction area or within 30 feet (9 m) of building lines. Comply with NFPA 241.
2. Maintain support facilities until near Substantial Completion. Remove before Substantial Completion. Personnel remaining after Substantial Completion will be permitted to use permanent facilities, under conditions acceptable to Owner.

B. Traffic Controls: Comply with requirements of authorities having jurisdiction, including Salt Lake City Corporation.

1. Protect existing site improvements to remain including curbs, pavement, and utilities. Do not allow construction operations to interfere with adjacent driveway access or improvements.
2. Maintain access for fire-fighting equipment and access to fire hydrants.

C. Parking: Provide temporary parking areas for construction personnel. Do not use parking or access drives on adjacent properties for parking or construction operations.

D. Dewatering Facilities and Drains: Comply with requirements of authorities having jurisdiction. Maintain Project site, excavations, and construction free of water.

1. Dispose of rainwater in a lawful manner that will not result in flooding Project or adjoining properties nor endanger permanent Work or temporary facilities.
2. Remove snow and ice as required to minimize accumulations.

E. Project Identification and Temporary Signs: Provide Project identification and other signs. Install signs where indicated to inform public and individuals seeking entrance to Project. Unauthorized commercial or other signs are not permitted.

1. Provide temporary, directional signs for construction personnel and visitors.
2. Maintain and touchup signs so they are legible at all times.

F. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Comply with Division 1 Section "Execution Requirements" for progress cleaning requirements.

G. Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel.

1. Truck cranes and similar devices used for hoisting materials are considered "tools and equipment" and not temporary facilities.

H. Temporary Stairs: Until permanent stairs are available, provide temporary stairs where ladders are not adequate.

I. Temporary Use of Permanent Stairs: Cover permanent stairs with protective covering of plywood or similar material so existing materials and finishes will not be damaged.

3.4 SECURITY AND PROTECTION FACILITIES INSTALLATION

A. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction in ways and by methods that comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.

1. Comply with work restrictions specified in Division 1 Section "Summary."

2. During stone restoration work, provide an enclosure around area of work, including scaffolding, to minimize and to control dust contamination during the work.

B. Temporary Erosion and Sedimentation Control: Provide measures to prevent soil erosion and discharge of soil-bearing water runoff and airborne dust to adjacent properties and walkways, according to requirements of authorities having jurisdiction.

1. Inspect, repair, and maintain erosion- and sedimentation-control measures during construction until permanent vegetation has been established.

C. Stormwater Control: Comply with authorities having jurisdiction. Provide barriers in and around excavations and subgrade construction to prevent flooding by runoff of stormwater from heavy rains.

D. Tree and Plant Protection: Install temporary fencing located as indicated or outside the drip line of trees to protect vegetation from damage from construction operations. Protect tree root systems from damage, flooding, and erosion.

E. Site Enclosure Fence: Before construction operations begin, furnish and install site enclosure fence in a manner that will prevent people and animals from easily entering site except by entrance gates.

1. Extent of Fence: As required to enclose entire Project site or portion determined sufficient to accommodate construction operations.
2. Maintain security by limiting number of keys and restricting distribution to authorized personnel. Provide Owner with one set of keys.

F. Security Enclosure and Lockup: Install substantial temporary enclosure around partially completed areas of construction. Provide lockable entrances to prevent unauthorized entrance, vandalism, theft, and similar violations of security.

G. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting. Comply with requirements of IBC 3302.2, 3303.2 and other applicable sections. Provide appropriate information to the authority having jurisdiction as a Deferred Submittal prior to beginning work.

H. Temporary Enclosures: Provide temporary enclosures for protection of construction, in progress and completed, from exposure, foul weather, other construction operations, and similar activities. Provide temporary weathertight enclosure for building exterior.

1. Where heating or cooling is needed and permanent enclosure is not complete, insulate temporary enclosures.

I. Temporary Fire Protection: Install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241.

1. Prohibit smoking in construction areas.
2. Supervise welding operations, combustion-type temporary heating units, and similar sources of fire ignition according to requirements of authorities having jurisdiction.
3. Develop and supervise an overall fire-prevention and -protection program for personnel at Project site. Review needs with local fire department and establish procedures to be followed. Instruct personnel in methods and procedures. Post warnings and information.

3.5 OPERATION, TERMINATION, AND REMOVAL

A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.

B. Maintenance: Maintain facilities in good operating condition until removal.

1. Maintain operation of temporary enclosures, heating, cooling, humidity control, ventilation, and similar facilities on a 24-hour basis where required to achieve indicated results and to avoid possibility of damage.

C. Temporary Facility Changeover: Do not change over from using temporary security and protection facilities to permanent facilities until Substantial Completion.

D. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.

1. Materials and facilities that constitute temporary facilities are property of Contractor. Owner reserves right to take possession of Project identification signs.
2. Remove temporary paving not intended for or acceptable for integration into permanent paving. Where area is intended for landscape development, remove soil and aggregate fill that do not comply with requirements for fill or subsoil. Remove materials contaminated with road oil, asphalt and other petrochemical compounds, and other substances that might impair growth of plant materials or lawns. Repair or replace street paving, curbs, and sidewalks at temporary entrances, as required by authorities having jurisdiction.

END OF SECTION 01500

SECTION 01230 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.

B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.

C. Execute accepted alternates under the same conditions as other work of the Contract.

D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 1: Concrete Removal/Replacement and Tunnel/Foundation Exposure near Northeast Building Corner.

1. **Base Bid: Not applicable / no work specified.**
2. **Alternate: Remove concrete parking and portion of driveway near northeast corner of Museum. Excavate to expose tunnel lid and foundation wall (estimated depth: 5 ft.). Clean to allow inspection and detailing of waterproofing and to prepare surface to receive hot-fluid-applied waterproofing system (to be specified; also see Section 01210 Allowances). Back-fill and replace concrete driveway and parking as detailed.**

B. Alternate No. 2: Landscape Modifications (dry moat, etc.) Surrounding Carriage House.

1. **Base Bid: Not applicable / no work specified.**
2. **Alternate: Remove existing sod, etc. surrounding the Carriage House as shown. Install concrete mow strips, weed barrier, dry moat gravel and mulch as detailed at the perimeter of the Carriage House and extending to adjacent west property line Modify/repair irrigation system as needed/noted.**

C. Alternate No. 3: Add Street Trees along Main, Columbus and Apricot and near new Northwest Sidewalk.

1. **Base Bid: Not applicable / no work specified.**
2. **Alternate: Remove existing maple tree north of the Carriage House. Prepare and plant new street trees as shown along North Main, Columbus Street and Apricot Avenue plus pair of 'Tricolor' Beech near northwest 'switch-back' sidewalk. Modify irrigation system and patch turf as needed.**

D. Alternate No. 4: Re-landscaping of Mid-Driveway Beds

1. **Base Bid: Not applicable / no work specified.**
2. **Alternate: Replace existing landscape as detailed/specified in the 'mid-driveway' beds located between the main Museum and the Carriage House. Provide/install eight (8) 4'-6" diameter granite boulders. Provide/install 1" diameter crushed & washed gravel mulch. Work includes removal of existing landscape, capping the existing irrigation system and installing gravel mulch, weed barrier & large landscape boulders.**

END OF SECTION 01230

SECTION 01100 - SUMMARY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes:

1. Project information.
2. Work covered by Contract Documents.
3. Work by Owner.
4. Work under separate contracts.
5. Access to site.
6. Coordination with occupants.
7. Work restrictions.
8. Specification and drawing conventions.

B. Related Section:

1. Division 1 Section "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

1.3 PROJECT INFORMATION

A. Project Identification: Daughters of Utah Pioneers (DUP) Phase II Improvements

1. Project Location: 300 North Main Street, Salt Lake City, Utah

B. Owner: State of Utah, Division of Facilities Construction & Management, 4110 State Office Building, Salt Lake City, Utah 84114. Phone: 801.538.3018

1. Owner's Representative: Mike Ambre.

2. Owner’s Project Number: 07273050.

C. Architect: MJSA Architects, 357 West Pierpont Ave., Salt Lake City, Utah 84101.

D. Other Owner Consultants: The Owner has retained the following design professionals who have prepared designated portions of the Contract Documents:

1. VBFA (Mechanical Engineering).

1.4 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work of the Project is defined by the Contract Documents and consists of the following:

The non-compliant existing ramp from the front entry to the east sidewalk will be completely removed. A new ADA compliant ramp with cast stone cladding, bronze handrails, and guardrail will be installed along the southwest and west side of the building, extending to the west sidewalk and, as a new sidewalk, to restriped accessible parking in the existing parking lot. A temporary ADA ramp shall be provided during the construction of the new ADA ramp. This ramp shall be located at the existing northwest entry door. The exterior cast stone cladding will undergo selective restoration and cleaning including partial re-pointing, repair of chips and cracks; surface repair/replacement where concealed by the existing ramp and repairs/upgrades to the copper flashing.

The existing cast stone treads on the main south entry stairs will be completely removed, the concrete structure waterproofed and new cast stone treads installed to correct a partial riser condition at the entry doors. These new cast stone stairs, along with existing concrete stairs on the southern portion of the site will receive new bronze handrails. As part of limited replacement of existing concrete parking, the south end of the existing tunnel between the buildings and part of the north foundation wall will be exposed and waterproofed.

Landscaping improvements include removal of selected trees, planting of new trees, creation and planting of new beds near the south entry stairs, creation of gravel-filled dry moats around the existing buildings, and repair of existing landscape around the demolished and new ramps. Contractor is to provide professional survey of property line west of the Carriage House to allow accurate placement of new concrete edge strip.

The skylight glazing and rafters will be replaced with a new skylight system using laminated glass and aluminum rafters. Structural steel trusses, purlins, etc. in the attic will be retained with addition of limited bracing to selected structural members. Masonry end walls of the skylight will be replaced with steel stud walls finished with EFIS. New mechanical louvers, dampers, fans, etc., will be included in these new walls for attic ventilation. The top rail of the cast stone parapet around the skylight will be structurally connected and tied together. A new access ladder over the parapet is to be provided and new EPDM roofing membrane and flashing installed in the existing gutter between the new skylight and existing parapet.

B. Type of Contract

1. Project will be constructed under a single prime contract.

1.5 WORK BY OWNER

A. General: Cooperate fully with Owner so work may be carried out smoothly, without interfering with or delaying work under this Contract or work by Owner. The Contractor shall coordinate the Work of this Contract with work performed by Owner in order to successfully complete the Project.

B. Concurrent Work: Owner will perform the following construction operations at Project site. These operations will be conducted simultaneously with work under this Contract.

1. The Owner has engaged Utah Correctional Industries (UCI) to remove and replace the existing insulation located in the attic. This work to run concurrent with the Work of the Contractor. Contractor to coordinate and schedule the work of UCI with the Work of the Contractor. Contractor to assist in providing UCI access via scaffolding, temporary opening through skylight, etc. to their Project site in order for them to complete their work.

1.6 ACCESS TO SITE

A. General: Contractor shall have limited use of Project site for construction operations as indicated on Drawings by the Contract limits and as indicated by requirements of this Section.

B. Access to the Building Roof and Attic: Access to the roof and attic for the performance of the Work shall be from the exterior of the building. Construction access to the building roof and attic shall be by means of scaffolding erected on the north of the building. This scaffolding shall be constructed in such a manner as to minimize any traffic on the existing roof. The Contractor shall be responsible for the engineering, erection, maintenance and use of the scaffolding. The Contractor shall coordinate the use of the scaffolding by other trades.

C. Use of Site: Limit use of Project site to areas within the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.

1. Driveways, Walkways and Entrances: Keep driveways, loading areas, and entrances serving premises clear and available to Owner, Owner's employees, museum patrons, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.

a. Schedule deliveries to minimize use of driveways and entrances by construction operations.
b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

2. Contractor and Sub-Contractors shall limit their use of the site to that area where they are authorized to work.

D. Staging and Parking: Minimize staging and parking requirements. Coordinate with Owner and limit use of parking as allowed by Owner.

E. Condition of Existing Building: Maintain portions of existing building affected by construction operations in a weathertight condition throughout construction period. Repair damage caused by construction operations.

F. Condition of Existing Site: Protect portions of site, landscape and related features affected by construction operations. Maintain entire project site in an orderly and neat condition. Clean site at the end of every work day removing all loose or unsightly material, packaging or trash. Do not allow any material or refuse to blow out of project site or wash into drains or landscaping. Coordinate with Owner regarding acceptable condition of site for scheduled building rededication.

1.7 COORDINATION WITH OCCUPANTS

A. Partial Owner Occupancy: Owner will occupy the premises (i.e., site, Museum and Carriage House) during entire construction period, with the exception of areas under construction. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's operations. Maintain existing exits unless otherwise indicated.

1. Museum operations will remain in the buildings during the entire project duration. Provide ADA-compliant access to at least one entry of the main building at all times.

2. Maintain access to existing walkways, corridors, and other adjacent occupied or in-use facilities. Do not close or obstruct driveways, walkways, corridors, or other occupied or used facilities without written permission from Owner and authorities having jurisdiction.
3. **Rededication of building (for the Phase I project) is currently scheduled for October 8, 2010. The entire front/south entry must be maintained in good condition and fully useable until after this event, including all existing stairs, ramp, landings, sidewalks, doors, handrails, adjacent landscaping, etc. No scaffolding, fencing, materials, on-going construction, etc. will be allowed on or in front of the south elevation. The existing ramp must be fully useable. All work, materials, equipment, etc. on the east, north and west elevations must be cleaned, consolidated and made presentable for this event; appropriate screening is preferred. No work to be performed during the event or during pre- or post-event functions.**

B. Provide not less than 72 hours' notice to Owner of activities that will affect Owner's operations.

1.8 PEDESTRIAN PROTECTION

A. Pedestrian and Visitor Protection: Contractor is responsible to provide all necessary control and protection as required by IBC 2006 Chapter 33. Coordinate location, installation and sequencing with Owner and driveway and other access requirements.

B. Appearance: All pedestrian protection and related elements to be maintained in good repair and good appearance (e.g., fully painted wood, screened fencing, etc.).

C. ADA Access: Provide a temporary ADA compliant access ramp at the northwest entry door during the time that the existing ADA ramp is removed and the new ADA compliant ramp is constructed and Substantial Completion has been achieved.

1.9 WORK RESTRICTIONS

A. Work Restrictions, General: Comply with restrictions on construction operations.

1. Comply with limitations on use of public streets and other requirements of authorities having jurisdiction.

B. On-Site Work Hours: Limit work on the existing building or site to normal business working hours of 7:30 a.m. to 6:30 p.m., Monday through Friday, except as otherwise indicated.

1. Weekend Hours: Saturday, allowed; Sunday, not allowed.
2. Early Morning Hours (before 7 am): Minimize noisy work, including mechanical demolition, solid compaction, waste removal operations, vehicle or equipment operation, etc. to the greatest extent possible. Follow all applicable regulations.
3. Hours for Utility Shutdowns: Coordinate with Owner, adjacent affected property owners, Salt Lake City Corporation, and other Authorities Having Jurisdiction.

C. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after providing temporary utility services according to requirements indicated:

1. Notify Owner not less than five days in advance of proposed utility interruptions.

2. Do not proceed with utility interruptions without Owner's written permission and the written permission of any impacted property owners and any Authority Having Jurisdiction.

D. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to Owner occupancy with Owner.

1. Notify Owner not less than two days in advance of proposed disruptive operations.
2. Obtain Owner's written permission before proceeding with disruptive operations.

E. Nonsmoking Building: Smoking is not permitted within the building or within 25 feet (8 m) of any entrances, operable windows, or outdoor air intakes.

F. Controlled Substances: Use of tobacco products and other controlled substances within the existing building or on the Project site is not permitted.

G. Employee Identification: Provide identification tags for Contractor personnel working on the Project site. Require personnel to utilize identification tags at all times.

H. Employee Screening: Comply with Owner's requirements regarding drug and background screening of Contractor personnel working on the Project site.

1. Maintain list of approved screened personnel with Owner's Representative.

1.10 SPECIFICATION AND DRAWING CONVENTIONS

A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.

B. Division 1 General Requirements: Requirements of Sections in Division 1 apply to the Work of all Sections in the Specifications.

C. Drawing Coordination: Requirements for materials and products identified on the Drawings are described in detail in the Specifications. One or more of the following are used on the Drawings to identify materials and products:

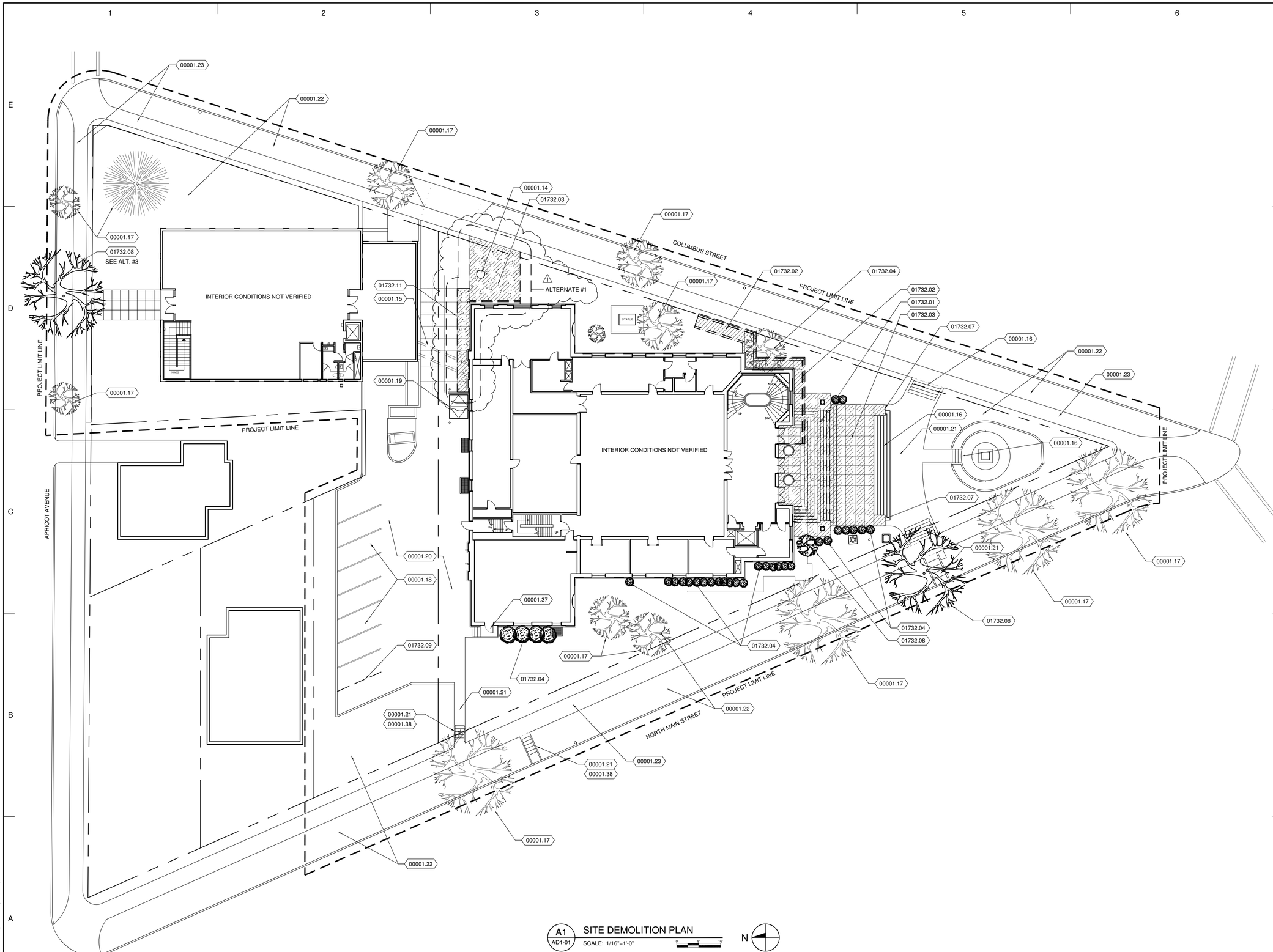
1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
2. Abbreviations: Materials and products are identified by abbreviations published as part of the U.S. National CAD Standard and scheduled on Drawings.
3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

1.11 MISCELLANEOUS PROVISIONS

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01100



A1 AD1-01 SITE DEMOLITION PLAN
SCALE: 1/16"=1'-0"

N

REFERENCE NOTES

00001.14	EXIST. MANHOLE - PROTECT IN PLACE
00001.15	EXIST. TUNNEL
00001.16	EXIST. CONC. STAIRS TO REMAIN - PROTECT IN PLACE
00001.17	EXIST. TREE - PROTECT IN PLACE, RE: LANDSCAPE
00001.18	EXIST. PARKING
00001.19	EXIST SERVICE ELEVATOR
00001.20	EXIST. CONC. PARKING SURFACE - PROTECT IN PLACE
00001.21	EXIST. CONC. WALKWAY OR STAIRS - PROTECT IN PLACE
00001.22	EXIST. LANDSCAPING
00001.23	EXIST. SIDEWALK
00001.37	EXIST NORTHWEST DOOR AND STOOP. LOCATION FOR TEMPORARY ADA COMPLIANT BUILDING ACCESS. COORDINATE WITH OWNER
00001.38	EXIST HANDRAIL TO REMAIN
01732.01	REMOVE AND DISPOSE OF CAST STONE STAIR TREADS, LANDINGS, ETC.
01732.02	REMOVE AND DISPOSE OF RAMP
01732.03	REMOVE AND DISPOSE OF SLAB ON GRADE
01732.04	REMOVE AND DISPOSE OF VEGETATION
01732.07	REMOVE AND DISPOSE OF DETERIORATED CONCRETE, SAWCUT ANY VISIBLE JOINT
01732.08	REMOVE AND DISPOSE OF TREE, RE: LANDSCAPE
01732.09	REMOVE PARKING STRIPE
01732.11	REMOVE AND DISPOSE OF SLAB ON GRADE TO EXIST. CONC. JOINT AS SHOWN OR SAWCUT A FINISHED EDGE

REVISIONS:
1 ADDENDUM #1 – 8/3/10

PERMIT SET

DAUGHTERS OF UTAH PIONEERS PHASE II IMPROVEMENTS

DFCM PROJECT NO. 07273050
300 NORTH MAIN STREET, SALT LAKE CITY, UTAH 84103

MJSA
357 West Pierpont Avenue ☐ Salt Lake City, Utah 84101
Telephone 801 364 5161 ☐ Facsimile 801 364 5167
ARCHITECTURE INTERIOR DESIGN

STAMP

STATE OF UTAH
ROBERT J. REDMOND
#1142
LICENSED ARCHITECT
7/12/10

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PROJECT NO.: 10011

DATE: 7/12/10

SITE DEMOLITION PLAN
SCALE: AS NOTED

SHEET: AD1-01

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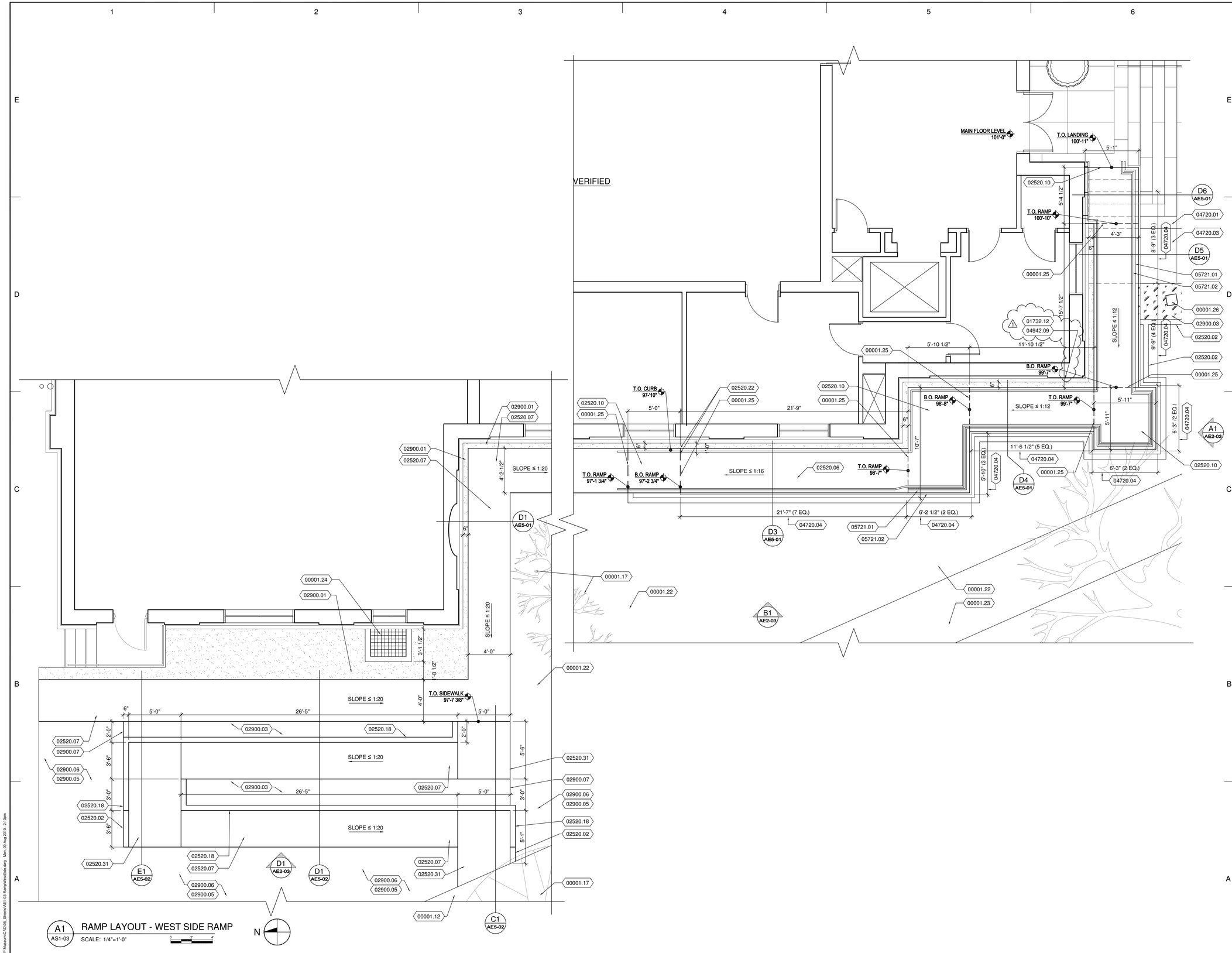

A1 AS1-03 RAMP LAYOUT - WEST SIDE RAMP

SCALE: 1/4"=1'-0"

REFERENCE NOTES

00001.12	EXISTING SIDEWALK
00001.17	EXIST. TREE - PROTECT IN PLACE, RE: LANDSCAPE
00001.22	EXIST. LANDSCAPING
00001.23	EXIST. SIDEWALK
00001.24	EXIST. METAL GRATE
00001.25	CHANGE IN SLOPE
00001.26	EXIST. IRRIGATION CONTROLS BOX
01732.12	REMOVE EXIST. HOSE BIB; CUT/CAP SUPPLY LINE FROM INTERIOR; CLEANLY PLUG HOLES IN CAST STONE WITH PATCHING MORTAR
02520.02	6" X 10" CONC. MOW STRIP
02520.06	ADA COMPLIANT CONC. RAMP, MAX SLOPE = 1:12, MAX CROSS SLOPE FOR DRAINAGE AWAY FROM EXIST. BUILDING = 1:48
02520.07	6" CONC. SIDEWALK, MAX SLOPE = 1:20
02520.10	ADA COMPLIANT LANDING, MAX SLOPE 1:48
02520.18	6" CONC. CURB WALL
02520.22	3/4" CHAMFER - ALL EXPOSED EDGES, TYP.
02520.31	6" CONC. SIDEWALK, MAX SLOPE 1:48
02900.01	DRY GRAVEL MOAT, GRAVEL FILL CRUSHED GRANITE, APPROX. 1 1/2" DIA.- 4" MIN. DEPTH SUBMIT TO ARCHITECT FOR APPROVAL, 1/2" MAX BELOW ADJACENT CURB, RAMP, OR SIDEWALK
02900.03	PLANTING BEDS, RE: LANDSCAPE
02900.05	SOD, RE: LANDSCAPE
02900.06	REGRADE AS NECESSARY TO ACCOMMODATE NEW SIDEWALK
02900.07	SURE-LOC, SUREEDGE 5-1/2" ALUMINUM METAL EDGING, OR APPROVED EQUAL
04720.01	CAST STONE STAIR TREADS
04720.03	CAST STONE CAP AND CLADDING ON CHEEK WALL, MATCH EXISTING.
04720.04	CAST STONE CLADDING
04942.09	PATCH HOLE IN CAST STONE TO MATCH
05721.01	ORNAMENTAL BRONZE HANDRAIL, 36" ABOVE RAMP
05721.02	ORNAMENTAL BRONZE GUARDRAIL, 42" ABOVE RAMP

LEDGED

- EXISTING TREE TO REMAIN
- NEW TREE RE: LANDSCAPE DWGS.
- GRAVEL DRY MOAT
- PLANTING BED, RE: LANDSCAPE DWGS.
- CONC. DRIVEWAY AND PARKING

STAMP

STATE OF UTAH
ROBERT A. PETERSON
#1142
LICENSED ARCHITECT
7/12/10

WEST SIDE RAMP LAYOUT

SCALE: 1/4" = 1'-0"

REVISIONS:
ADDENDUM #1 -- 8/9/10

PERMIT SET

DAUGHTERS OF UTAH PIONEERS PHASE II IMPROVEMENTS
DFCM PROJECT NO. 07273050
300 NORTH MAIN STREET, SALT LAKE CITY, UTAH 84103

MJSA
357 West Pierpont Avenue □ Salt Lake City, Utah 84101
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PROJECT NO.: 10011

DATE: 7/12/10

SHEET: AS1-03

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