

SECTION 01 12 13 – SUMMARY OF MULTIPLE CONTRACTS – ADDENDUM 2

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. A summary of each contract, including responsibilities for coordination, temporary facilities and controls.
- B. Specific requirements of each contract are also indicated in individual specification sections and on drawings.

1.02 RELATED REQUIREMENTS

- A. Section 01 1000 – Summary
- B. Section 01 2500 – Substitution Procedures
- C. Section 01 2600 – Contract Modification Procedures
- D. Section 01 2900 - Payment Procedures
- E. Section 01 3100 – Project Management and Coordination
- F. ADD #1 Section 01 3200 – Construction Progress Documentation
- G. Section 01 3300 – Submittal Procedures
- H. Section 01 4000 - Quality Requirements
- I. Section 01 4200 – References
- J. Section 01 5000 - Temporary Facilities and Controls
- K. Section 01 6000 – Project Requirements
- L. Section 01 7300 - Execution
- M. Section 01 7700 – Closeout Procedures
- N. ADD #1 Section 01 7823 – Operation and Maintenance Data
- O. Section 01 7831 – Corrective Work Period/Warranties and Bonds
- P. Section 01 7839 – Project Record Documents

1.03 DEFINITIONS

- A. Permanent Enclosure: As determined by the Construction Manager, permanent or temporary roofing is complete, insulated, and weather-tight; exterior walls are insulated and weather-tight; and openings are closed with permanent construction or temporary closures.

1.04 COORDINATION

- A. Project Coordinator shall be responsible for coordination between the various construction contracts.
 - 1. Construction Manager shall act as Project Coordinator.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 CONSTRUCTION MANAGER

- A. Construction Manager (CM): Full-time Construction Manager shall be experienced in administration and supervision of building construction, including mechanical and electrical work.
- B. Coordination activities of Construction Manager include, but are not limited to, the following:
 - 1. Coordinate shared access to workspaces.
 - 2. Coordinate product selections for compatibility.
 - 3. Provide overall coordination of temporary facilities and controls.

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4. Coordinate, schedule, and approve interruptions of permanent and temporary utilities, including those necessary to make connections for temporary services.
 5. Coordinate construction and operations of the work with work performed by each contract.
 6. Coordinate sequencing and scheduling of the Work. Include the following:
 - a. Initial Coordination Meeting: At earliest possible date, arrange and conduct a meeting with separate contractors for sequencing and coordinating the Work; negotiate reasonable adjustments to schedules.
 - b. Prepare a combined contractor's construction schedule for entire project. Base schedule on preliminary construction schedule. Secure time commitments for performing critical construction activities from separate contractors. Prepare a simplified summary sheet indicating combined construction activities of contracts.
 - c. Distribute copies of schedules to Architect, Owner, and separate contractors.
 7. Apply and provide the building permit for the Project. All other permits and fees are the responsibility of each contractor as required by work of the contract
 8. Provide photographic documentation.
 9. Coordinate quality-assurance and quality control services specified in Division 01 - General Requirements.
 10. Coordinate sequence of activities to accommodate tests and inspections, and coordinate schedule of tests and inspections.
 11. Provide information necessary to adjust, move or relocate existing utility structures affected by construction.
 12. Locate existing permanent benchmarks, control points, and similar reference points, and establish permanent benchmarks on project site.
 13. Coordinate field surveys of in-progress construction and site work, and final property survey.
 14. Coordinate completion of interrelated punch list items.
 15. Coordinate preparation of project record documents if information from more than one contractor is to be integrated with information from other contractors to form one combined record.
 16. Print and submit record transparencies if installations by more than one contractor are indicated on the same contract drawing or shop drawing.
 17. Collect record specification sections from other contractors, collate sections into numeric order, and submit complete set.
 18. Coordinate preparation of operation and maintenance manuals if information from more than one contractor is to be integrated with information from other contractors to form one combined record.
- C. Responsibilities of Construction Manager for Section 01 5000 - Temporary Facilities and Controls include, but are not limited to, the following:
1. Provide a field office with meeting room facilities for project meetings, including phone and computer services for use by the Owner, Architect and their consultants, and CM. Each Contractor shall be responsible to provide temporary offices, services, and utilities to their offices as required by work of the contract.
 2. Provide the project identification sign specified.
 3. Coordinate protection of the work. Each contractor is responsible to provide protection of their completed work.

3.02 GENERAL REQUIREMENTS OF CONTRACTS

- A. Extent of Contract: Unless the agreement contains a more specific description of the work, names and terminology on drawings and in specification sections determine which contract includes a specific element of project.
- B. Unless otherwise indicated, the Work described in this Section for each contract shall be complete systems and assemblies, including products, components, accessories, and installation required by the contract documents.

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- C. Local custom and trade union jurisdictional settlements do not control the scope of the work of each contract. When a potential jurisdictional dispute or similar interruption of work is first identified or threatened, affected contractors shall negotiate a reasonable settlement to avoid or minimize interruption and delays.
- D. Each contractor for its own work shall provide all surveying, layout and staking, as required, to complete the work of the contract.
- E. Each Contractor for its own Work shall provide trenches, excavation, backfill and compaction for the work of the contract.
- F. Each contractor for its own work shall provide cutting, sealing and patching as required.
- G. Each contractor for its own work shall provide firestopping as required.
- H. Each contractor is required to coordinate its own work with that of all other contractors to insure the work is performed in the most efficient and timely manner.
- I. Within ten (10) working days after preliminary construction schedule submittal has been received from CM, submit a matching schedule showing construction operations sequenced and coordinated with overall construction. Provide detailed breakdown of the preliminary schedule showing sequencing, critical path, specific locations, etc.
- J. Substitutions: Each contractor shall cooperate with other contractors involved to coordinate approved substitutions with remainder of the Work.
- K. Section 01 5000 - Temporary Facilities and Controls: In addition to specific responsibilities for temporary facilities and controls indicated in this Section and in Division 01 General Requirements, each contractor is responsible for the following:
 - 2. Installation, operation, maintenance, and removal of each temporary facility usually considered as its own normal construction activity, including costs and use charges associated with each facility.
 - 3. Plug-in electric power cords and extension cords, supplementary plug-in task lighting, and special lighting necessary for its own activities.
 - 4. Its own field office complete with necessary furniture and utilities, if required.
 - 5. Its own storage and fabrication sheds.
 - 6. Temporary enclosures for its own construction activities.
 - 7. General hoisting equipment for its own construction activities.
 - 8. Progress cleaning of its own work areas on a daily basis. Removal of construction debris to containers provided by the each Prime Contract, or removed by other means from the site, and disposed of legally. Accumulated piles of debris shall not be allowed.
 - 9. Secure lockup of its own tools, materials, and equipment.
 - 10. Construction aids, miscellaneous services and facilities necessary exclusively for its own construction activities.
 - 11. Protection of the work. Repair costs for damages of the work caused by the contractor.
 - 12. **ADD #2** Provide **specialized** fire protection equipment and/or personnel required to perform the work as required by OSHA safety procedures and directions.
 - 13. Temporary Water Service: The existing water service shall be used for temporary water. Each Contractor shall provide connections, extensions, hoses, etc. as necessary to deliver water from the service source. The Owner shall pay utility-use charges for water during construction.
 - 14. Electric Power Service: The Owner shall pay utility-use charges for electricity during construction. Electrical contract will provide for all trades, see Summary of Multiple Contracts Bid Package 7 for additional information.
 - 15. Each contractor is responsible to provide for their own forces all temporary facilities and controls required including, but not limited to, first aid facilities, temporary fire protection equipment, temporary enclosures, barriers and fences, construction aids, temporary roads, access, lay down areas, and potable water as may be required to properly complete the Work contracted. The contractor shall remove temporary facilities and controls upon completion of the work, or when no longer required.

- L. Each contractor shall comply with all Owner and CM safety policies and requirements. Each contractor is responsible to comply with all OSHA regulations, and to maintain a safe work environment at all times. A clean, organized, and safe jobsite is of the highest priority. Each contractor shall be required to clean their work area a minimum of daily, organize all materials, tools and equipment, and maintain safe working conditions in compliance with regulatory codes at all times.
- M. Each contractor is responsible for the requirements set forth in Division 00 – Procurement and Contracting Requirements, and Division 01 - General Requirements. This includes coordination with the CM and other prime contracts, scheduling, project meeting representation, quality control, and other requirements specified.
- N. Record Documents/Project Close-out Procedures:
 - 1. Prepare project record documents, record changes (as-built documents), and provide complete sets to CM.
 - 2. Print and submit record transparencies for contract drawings and/or shop drawings.
 - 3. Collect record specification sections, collate sections into numeric order, and submit complete sets.
 - 4. Prepare operation and maintenance manuals to be integrated to form one combined record.
 - 5. Comply with all other requirements as applicable to the contract and specified in section 01 7800 - Closeout Submittals.

3.03 GENERAL TRADES CONTRACT - BID PACKAGE 1

- A. Work of this Contract includes, but is not limited to, the following:
 - 1. ADD #1 Section 02 41 19 - Selective Demolition. Provide this section complete. Except floor cutting, removal, and replacement for plumbing and electrical will be by those contracts not Bid Package 1. Including cutting, removal, patching, and new lintels for HVAC ducts thru existing walls will be by Bid Package 6.
 - 2. ADD #1 Section 04 22 00 – Reinforced Unit Masonry. Provide this section complete.
 - 3. Section 04 72 00 – Cast Stone. Provide this section complete.
 - 4. Section 05 12 23 – Structural Steel. Provide this section complete.
 - 5. Section 05 31 00 – Steel Deck. Provide this section complete.
 - 6. Section 05 50 00 – Metal Fabrications. Provide this section complete.
 - 7. Section 05 51 00 – Metal Stairs. Provide this section complete.
 - 8. Section 05 73 00 – Decorative Metal Railings. Provide this section complete.
 - 9. Section 06 10 00 – Rough Carpentry. Provide this section complete. Includes blocking and backing for all wall mounted items including but not limited to casework, toilet and bath accessories, partitions, wall bumpers, visual displays, and TVs.
 - 10. ADD #1 Section 06 16 00 – Sheathing. Provide this section complete. Includes fire rated plywood for all walls in electrical rooms. Sheathing under standing seam metal roofing by Bid Package 3, all other sheathing is by this Bid Package.
 - 11. **ADD #2 – Dens Glass Sheathing to be included by Bid Package 4.**
 - 12. Section 06 40 23 – Interior Architectural Woodwork. Provide this section complete.
 - 13. Section 07 21 00 – Thermal Insulation. Provide this section complete for work by this contract.
 - 14. **ADD #2 Section 07 42 43 – Composite Wall Panels. Provide this section complete.**
 - ~~15. Section 07 62 00 – Removed in Addendum 4~~
 - 16. Section 07 84 13 – Penetration Firestopping. Provide this section complete for work of this contract.
 - 17. **ADD #2 Section 07 92 00 – Joint Sealants. Provide this section complete for work of this contract. Including but not limited to, casework, countertops, fire extinguisher cabinets, masonry joints, siding.**
 - 18. Section 08 11 13 – Steel Doors and Frames. Provide this section complete.
 - 19. Section 08 41 13 – Aluminum-Framed Entrances and Storefronts. Provide this section complete.

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20. Section 08 42 43 – Intensive Care Unity/Critical Care Unit (ICU/CCU) Entrances. Provide this section complete.
21. Section 08 44 13 – Glazed Aluminum Curtain Walls. Provide this section complete.
22. Section 08 71 00 – Door Hardware. Provide this section complete.
23. Section 08 71 13 – Automatic Door Operators . Provide this section complete.
24. Section 08 80 00 – Glazing. Provide this section complete.
25. Section 08 80 10 – Fire Rated Glazing. Provide this section complete.
26. Section 09 30 00 - Tiling. Provide this section complete. Provide remedial wall and floor preparation as required for complete installation. If substrate meets the requirements set forth in the specifications but does not meet the requirements of the specified tile, Contractor shall correct the substrate per the tile manufacturer's requirements.
27. Section 09 65 13 – Resilient Base and Accessories. Provide this section complete.
28. Section 09 65 19 – Resilient Tile Flooring. Provide this section complete.
29. Section 09 67 23 – Resinous Flooring. Provide this section complete.
30. Section 09 68 13 – Tile Carpeting. Provide this section complete.
31. Section 10 11 00 – Visual Display Surfaces. Provide this section complete.
32. Section 10 21 13 – Plastic Toilet Compartments . Provide this section complete.
33. Section 10 21 23 – Cubicle Curtains and Tracks. Provide this section complete.
34. Section 10 26 00 – Wall and Door Protection. Provide this section complete.
35. Section 10 28 00 – Toilet and Bath Accessories. Provide this section complete.
36. Section 10 28 13 – Electric Hand Dryers. Provide this section complete.
37. Section 10 28 14 – Baby Changing Stations. Provide this section complete.
38. Section 10 44 13 – Fire Extinguisher Cabinets. Provide this section complete.
39. Section 10 44 16 – Fire Extinguishers. Provide this section complete.
40. Section 10 51 13 – Metal Lockers. Provide this section complete.
41. Section 12 36 53 – Laboratory Casework, Countertops, Sinks and Pegboards. Provide this section complete.
42. Section 12 36 61 – Simulated Stone Countertops (Solid Surface Countertops). Provide this section complete.
43. Section 14 21 00 – Electric Traction Elevators. Provide this section complete.
44. Include final cleaning of building prior to owner turn over.
45. **ADD #2 Installation of wall access panels provided by other trades is included in this contract for masonry/precast walls.**
46. Power supplies for openings in this contract are to be furnished by this contract and installed by Electrical Contract.
47. Provide Water Spray Test: After completing the installation of exterior openings, Contractor shall test systems for water penetration according to AAMA 501.2 in locations as directed by CM. The locations to be tested shall include critical interface conditions. The test will be the responsibility of the Contractor. Costs associated with any subsequent testing due to failures shall be borne by the Contractor. Testing shall be witnessed and verified by the Construction Manager. Repair or remove work that does not meet the specified requirements. There shall be two testing locations per each opening type. Photos and documentation shall be submitted with the closeout documents before final payment.
48. Provide an allowance of \$50,000 to be used at the discretion and direction of the CM. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.
49. Provide layout allowance of \$5,000. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.
50. **ADD #2 Provide temporary chain link fence 6-0 high with two 20-0 drive gates and two walk man gates. Provide 500 lineal feet of fencing maintain for 11 months. Remove site fencing at completion.**

51. Provide a testing allowance of \$10,000 for use by project. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.
 52. ADD #1 Provide an allowance of \$30,000 to provide and install temporary enclosures to make building suitable for temporary heat and protection. Remove temporary enclosures at completion of use. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.
 53. **ADD #2** Provide dumpsters and recycling dumpsters for use by all trades and all bid packages for the duration of the project until completion. **Include an allowance of \$30,000 for dumpsters for use by all trades. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.**
 54. Provide labor for project clean-up to be used at the discretion of the Construction Manager. Include 450 man hours for clean-up.
 55. Provide full time supervision when work of this package is occurring on site.
 56. **ADD #2 - Provide temporary toilets and temporary handwash facilities for use by all prime contractors per OSHA requirements.**
 57. **ADD #2 – Provide temporary fire extinguishers for use during construction per OSHA requirements.**
 58. **ADD #2 – Provide and install Z-furring and rigid insulation behind all composite wall panels.**
- B. Temporary facilities and controls in this Contract include, but are not limited to, the following:
1. Division 01 - Submittal Procedures and Division 01-General Requirements as it relates to work of this contract.
 2. Section 01 5000- Temporary Facilities and Controls:
 - a. Barriers: Provide temporary construction fencing and gates at staging area if needed by work of this contract.
 - b. Exterior Enclosures: Provide temporary weather protection and temporary enclosures for all instances where interior spaces will be exposed to outdoors. Provide temporary doors at entrances prior to installation of permanent doors. Protections to remain in place until removal is directed by the Construction Manager.
 - c. Security: Maintain secure enclosures at exterior and interior openings until permanent products are placed.
 - d. **ADD #2** Waste Removal: Dumpsters to be provided by **Allowance listed above**. Provide waste removal from work of this contract to dumpsters.
 - e. **ADD #2 Provide daily clean-up for your work, or Construction Manager may perform the work and deduct the cost from the payments due to contractor. Daily clean-up shall include removal of all small trash associated with Contractor's work. Daily clean-up includes broom cleaning areas required to maintain a clean work area.**
 - f. **ADD #2** Sanitary Conveniences: Temporary toilets will be provided by the **General Trades Bid Package**.
 - g. Dewatering: Provide complete any kind as needed for work of this contract.
 - h. Street Cleaning: Provide complete on a daily basis as needed for work of this contract.
 - i. ~~**ADD #2 Provide four temporary fire extinguishers for use during construction, and maintain for duration of project.**~~
 3. Provide a broom clean condition in all areas of work.

4. Provide surveying and layout required to complete work of this contract.
5. Provide all temporary construction and construction aids as required for completion of the work. Remove temporary construction upon completion of the work.
6. Provide delivery, unloading and storage at site of all materials as part of this contract.
7. Provide temporary protection of existing finishes during work of this contract. Remove temporary protection upon completion of the work.
8. Provide scaffolding, temporary enclosures, and other temporary facilities required to complete work of this contract. Remove all temporary construction upon completion.
9. Provide barriers, barricades, traffic control and other temporary control measures as required to complete work of this contract that comply with O.S.H.A.
10. Clean-up by Contractor shall be daily, or Construction Manager may perform the work and deduct the cost from the payments due to contractor. Daily clean-up shall include removal of all small trash associated with Contractor's work. Daily clean-up includes broom cleaning areas required to maintain a clean work area.
11. Provide delivery, unloading, and storage of all materials as part of this contract. If materials are stored within the building, all material must be stored on mobile carts to allow for relocation at all times. If material cannot be stored on mobile carts, it must be delivered to the jobsite immediately prior to installation to avoid impacting other trades
12. If scope of work assignments made in Bid Packages conflict with notes on drawings, the bid package language will govern responsibility.

3.04 CONCRETE AND EARTHWORK CONTRACT- BID PACKAGE 2

Work of this Contract includes, but is not limited to, the following:

1. Section 03 10 00 – Concrete Formwork. Provide this section complete.
2. Section 03 20 00 – Concrete Reinforcement. Provide this section complete.
3. Section 03 30 00 – Cast-In-Place Concrete. Provide this section complete.
4. Section 07 14 16 – Cold Fluid-Applied Waterproofing. Provide this section complete.
5. Section 07 21 00 – Thermal Insulation. Provide this section complete as applies to this scope of work.
6. ADD #1 Section 07 92 00 – Joint Sealants. Provide this section complete for work of this contract.
7. Section 31 10 00 Site Clearing. Provide this section complete.
8. Section 31 22 00 Grading. Provide this section complete.
9. Section 31 23 00 – Foundation Excavation and Backfill. Provide this section complete.
10. Section 31 23 01 Excavation and Backfill (Site). Provide this section complete.
11. Section 31 25 00 Erosion & Sediment Control. Provide this section complete. Includes providing and maintenance of construction entrance.
12. ADD #1 Section 32 13 13 – Concrete Paving. Provide this section complete, including all pavement markings as shown.
13. Provide cutting/patching/replacement of all sidewalks, asphalt paving, concrete paving or any other hard surfaces needed to complete work of this contract.
14. ADD #1 Provide all site demolition items to include but not limited to: Trees including stumps, fences, retaining walls, stairs, loading dock paving AND existing footings and loading dock walls complete to install new concrete foundations, remove and replace existing signs, protect bench, sawcutting as required for demolition or new work of this contract.
15. Include furnishing, installation, and maintenance of erosion control measures until August 1, 2023 and remove when no longer required.
16. All compacted aggregate base under slabs on grade, sidewalks and paving to by Concrete Contract.
17. Provide final grading and permanent seeding or sod for any disturbed areas as required from work of all contracts. Furnish and install all erosion control blankets and turf reinforcement mats as required.
18. Provide and install parking signs, posts, and foundations complete.

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19. Provide all joint sealants as required for work of this contract.
 20. Provide all mechanical unit foundations and electrical transformer pads complete.
 21. Provide installation of anchor bolts and items embedded in concrete, bolts provided by others.
 22. Provide grouting of base plates complete.
 23. Provide perimeter foundation insulation complete at perimeter of each building 2" thick
 24. Provide cutting/patching/replacement of all sidewalks, asphalt paving, concrete paving or any other hard surfaces needed to complete work of this contract.
 25. Provide compacted aggregate base under slabs on grade, sidewalks and paving. Including any Geotech fabric and ground stabilization as shown in plans or referenced in specifications.
 26. ADD #1 Provide installation of sleeves thru foundations for utility work, sleeves provided by ~~Site Utilities~~ others.
 27. Provide Moisture Vapor Reduction Admixture (MVRA) in the interior slab on grade mix design. Product: Barrier One or approved equal.
 28. Provide an allowance of \$25,000 to be used at the discretion and direction of the CM. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.
- A. Temporary facilities and controls in this Contract include, but are not limited to, the following:
1. Division 01 - Submittal Procedures and Division 01-General Requirements as it relates to work of this contract.
 2. Section 01 5000- Temporary Facilities and Controls:
 - a. Barriers: Provide temporary construction fencing and gates at staging area if needed by work of this contract.
 - ~~b. ADD #2 Exterior Enclosures: Provide temporary enclosures specified for exterior openings until permanent products are ready for placement in prepared openings.~~
 - c. Security: Maintain secure enclosures at exterior and interior openings until permanent products are placed.
 - d. Waste Removal: Provide waste removal facilities and services for use by this contractor.
 - e. Sanitary Conveniences: Provide services for this contractor for duration of project.
 - f. Dewatering: Provide complete any kind as needed for work of this contract.
 - g. Street Cleaning: Provide complete on a daily basis as needed for work of this contract.
 - h. ADD #2 Provide winter services/conditions as required to complete work of this contract.**
 - i. ADD #2 Provide daily clean-up for your work, or Construction Manager may perform the work and deduct the cost from the payments due to contractor. Daily clean-up shall include removal of all small trash associated with Contractor's work. Daily clean-up includes broom cleaning areas required to maintain a clean work area.**
 3. Provide a broom clean condition in all areas of work.
 4. Provide surveying and layout required to complete work of this contract.
 5. Provide all temporary construction and construction aids as required for completion of the work. Remove temporary construction upon completion of the work.
 6. Provide delivery, unloading and storage at site of all materials as part of this contract.
 7. Provide temporary protection of existing finishes during work of this contract. Remove temporary protection upon completion of the work.
 8. Provide scaffolding, temporary enclosures, and other temporary facilities required to complete work of this contract. Remove all temporary construction upon completion.
 9. Provide barriers, barricades, traffic control and other temporary control measures as required to complete work of this contract that comply with O.S.H.A.

10. If scope of work assignments made in Bid Packages conflict with notes on drawings, the bid package language will govern responsibility.

3.05 ROOFING AND SHEET METAL CONTRACT - BID PACKAGE 3

- A. Work of this Contract includes, but is not limited to, the following:
1. ADD #1 Section 06 16 00 – Sheathing. Provide sheathing under standing metal roofing only.
 2. ADD #1 Section 07 21 00 – Thermal Insulation. Provide this section complete for work by this contract behind and under all sheet metal and roofing.
 3. Section 07 41 13 – Standing Seam Metal Roof Panels. Provide this section complete.
 4. Section 07 42 13 – Metal Composite Material Wall Panels. Provide this section complete.
 5. ~~ADD # 2 Section 07 42 43 – Composite Wall Panels. Deleted from this bid package per Addendum 2~~
 6. Section 07 54 23 – Thermoplastic Polyolefin (TPO) Roofing. Provide this section complete.
 7. Section 07 62 00 – Sheet Metal Flashing and Trim. Provide this section complete.
 8. Section 07 84 13 – Penetration Firestopping. Provide this section complete for work of this section
 9. ADD #1 Section 07 92 00 – Joint Sealants. Provide this section complete for work of this contract.
 10. ADD #1 Provide roof patching and flashing for new mechanical and electrical equipment and openings. Reference drawings M202, P202, and E212 for mechanical, plumbing, and electrical equipment and penetrations.
 11. Provide an allowance of \$25,000 for use by project. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.
- B. Temporary facilities and controls in this Contract include, but are not limited to, the following:
1. Division 01 - Submittal Procedures and Division 01-General Requirements as it relates to work of this contract.
 2. Section 01 5000- Temporary Facilities and Controls:
 - a. Barriers: Provide temporary construction fencing and gates at staging area if needed by work of this contract.
 - b. **ADD #2 Exterior Enclosures:** Provide temporary weather protection and temporary enclosures for all instances where interior spaces will be exposed to outdoors. ~~Provide temporary doors at entrances prior to installation of permanent doors. Remove Addendum 2.~~ Protections to remain in place until removal is directed by the Construction Manger.
 - c. Security: Maintain secure enclosures at exterior and interior openings until permanent products are placed.
 - d. **ADD #2 Provide daily clean-up for your work, or Construction Manager may perform the work and deduct the cost from the payments due to contractor. Daily clean-up shall include removal of all small trash associated with Contractor’s work. Daily clean-up includes broom cleaning areas required to maintain a clean work area.**
 - e. Dewatering: Provide complete any kind as needed for work of this contract.
 - f. Street Cleaning: Provide complete on a daily basis as needed for work of this contract.
 3. Provide a broom clean condition in all areas of work.
 4. Provide surveying and layout required to complete work of this contract.

5. Provide all temporary construction and construction aids as required for completion of the work. Remove temporary construction upon completion of the work.
6. Provide delivery, unloading and storage at site of all materials as part of this contract.
7. Provide temporary protection of existing finishes during work of this contract. Remove temporary protection upon completion of the work.
8. Provide scaffolding, temporary enclosures, and other temporary facilities required to complete work of this contract. Remove all temporary construction upon completion.
9. Provide barriers, barricades, traffic control and other temporary control measures as required to complete work of this contract that comply with O.S.H.A.
10. Clean-up by Contractor shall be daily, or Construction Manager may perform the work and deduct the cost from the payments due to contractor. Daily clean-up shall include removal of all small trash associated with Contractor's work. Daily clean-up includes broom cleaning areas required to maintain a clean work area.
11. Provide delivery, unloading, and storage of all materials as part of this contract. If materials are stored within the building, all material must be stored on mobile carts to allow for relocation at all times. If material cannot be stored on mobile carts, it must be delivered to the jobsite immediately prior to installation to avoid impacting other trades
12. If scope of work assignments made in Bid Packages conflict with notes on drawings, the bid package language will govern responsibility.

3.06 DRYWALL, ACOUSTICAL, PAINTING CONTRACT - BID PACKAGE 4

- A. Work of this Contract includes, but is not limited to, the following:
1. Section 05 40 00 – Cold Formed Metal Framing. Provide this section complete.
 2. **ADD #2 – This bid package to provide and install the Dens Glass Exterior Sheathing complete.**
 3. Section 07 21 00 – Thermal Insulation. Provide this section complete for work by this contract.
 4. **ADD#2 Section 07 27 26 – Fluid Applied Membrane Air Barriers. Provide this section complete on all exterior walls and behind all composite and metal composite siding and soffits.**
 5. Section 07 84 13 – Penetration Firestopping. Provide this section complete as required by this contract.
 6. Section 07 84 46 – Fire-Resistive Joint Systems. Provide this section complete.
 7. Section 07 91 00 – Exterior Wall Joint Seals. Provide this section complete.
 8. **ADD #1 Section 07 92 00 – Joint Sealants. Provide this section complete for work of this contract.**
 9. Section 07 95 00 – Interior Expansion Joints. Provide this section complete.
 10. Section 09 21 16 – Gypsum Board Shaft Wall Assemblies. Provide this section complete.
 11. Section 09 22 16 – Non-Structural Metal Framing. Provide this section complete.
 12. Section 09 29 00 – Gypsum Board. Provide this section complete. Include control joints at interior doors and windows at both sides of the jamb and on both sides of the opening full height of wall in areas with exposed ceilings.
 13. Section 09 51 13 – Acoustical Ceiling Panels. Provide this section complete.
 14. Section 09 91 23 – Interior Painting. Provide this section complete.
 15. **ADD #2 Installation of wall or ceiling access panels provided by other trades is included in this contract in drywall walls and ceilings.**
 16. **ADD #2 – Z furring and rigid insulation behind Composite Wall Panels is provided and installed by Bid Package 1 General Trades.**
 17. **ADD #2 – Provide insulation, drywall, framing, and sheathing as shown on detail 3 on drawing M400 complete.**
 18. Provide an allowance of \$35,000 to be used at the discretion and direction of the CM. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be

- allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.
19. Provide an allowance of 40man hours for wall patching or painting to be used at the discretion and direction of the Construction Manager. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.
- B. Temporary facilities and controls in this Contract include, but are not limited to, the following:
1. Division 01 - Submittal Procedures and Division 01-General Requirements as it relates to work of this contract.
 2. Section 01 5000- Temporary Facilities and Controls:
 - a. Barriers: Provide temporary construction fencing and gates at staging area if needed by work of this contract.
 - b. ~~ADD #2 Exterior Enclosures: Provide temporary weather protection and temporary enclosures for all instances where interior spaces will be exposed to outdoors. Provide temporary doors at entrances prior to installation of permanent doors. Protections to remain in place until removal is directed by the Construction Manager. This is included in Bid Package 1.~~
 - c. Security: Maintain secure enclosures at exterior and interior openings until permanent products are placed.
 - d. **ADD #2 Waste Removal: Dumpsters to be provided by Bid Package 1 for use by all trades. Provide waste removal from work of this contract to dumpsters.**
 - e. **ADD #2 Provide daily clean-up for your work, or Construction Manager may perform the work and deduct the cost from the payments due to contractor. Daily clean-up shall include removal of all small trash associated with Contractor's work. Daily clean-up includes broom cleaning areas required to maintain a clean work area.**
 - f. ~~ADD #2 Sanitary Conveniences: Temporary toilets will be provided by the Construction Manager-General Trades Bid Package 1.~~
 - g. Dewatering: Provide complete any kind as needed for work of this contract.
 - h. Street Cleaning: Provide complete on a daily basis as needed for work of this contract.
 3. Provide a broom clean condition in all areas of work.
 4. Provide surveying and layout required to complete work of this contract.
 5. Provide all temporary construction and construction aids as required for completion of the work. Remove temporary construction upon completion of the work.
 6. Provide delivery, unloading and storage at site of all materials as part of this contract.
 7. Provide temporary protection of existing finishes during work of this contract. Remove temporary protection upon completion of the work.
 8. Provide scaffolding, temporary enclosures, and other temporary facilities required to complete work of this contract. Remove all temporary construction upon completion.
 9. Provide barriers, barricades, traffic control and other temporary control measures as required to complete work of this contract that comply with O.S.H.A.
 10. Clean-up by Contractor shall be daily, or Construction Manager may perform the work and deduct the cost from the payments due to contractor. Daily clean-up shall include removal of all small trash associated with Contractor's work. Daily clean-up includes broom cleaning areas required to maintain a clean work area.
 11. Provide delivery, unloading, and storage of all materials as part of this contract. If materials are stored within the building, all material must be stored on mobile carts to allow for relocation at all times. If material cannot be stored on mobile carts, it must be delivered to the jobsite immediately prior to installation to avoid impacting other trades
 12. If scope of work assignments made in Bid Packages conflict with notes on drawings, the bid package language will govern responsibility.

3.07 PLUMBING & SITE UTILITIES CONTRACT- BID PACKAGE 5

- A. Work of this Contract includes, but is not limited to, the following:
1. Section 07 84 13 – Penetration Firestopping. Provide this section complete where work of this contract passes thru fire rated assemblies.
 2. **ADD #2 Section 07 92 00 – Joint Sealants. Provide this section complete where exposed to view or required at smoke/sound rated assemblies.**
 3. Division 22 – Plumbing. Provide this division complete.
 4. Section 31 23 01 Excavation and Backfill (Site). Provide this section complete for work of this contract.
 5. Section 33 10 00 Water Utilities. Provide this section complete.
 6. Section 33 41 00 Storm Utility Drainage Piping. Provide this section complete.
 7. **ADD #2 Include installation, relocation, and/or removal of all gas piping and reworking of gas service. Coordinate with utility company as required to complete this work.**
 8. Include and allowance for sawcutting, removal and replacement of concrete floors for underslab plumbing work in the amount of \$40,000. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.
 9. Provide an allowance of \$20,000 to be used at the discretion and direction of the CM. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.
 10. Include any interior housekeeping pad or steel supports as required for equipment provided by this contract.
 11. Include excavation and backfill for your work including compaction of backfill. All backfill inside the building will be granular rock or sand. Haul spoils off site.
 12. Provide testing and balancing as required for work of this contract.
 13. Furnish any necessary sleeves in concrete for work of this contract to be installed by others.
 14. Provide connections to site utilities installed by others.
 15. **ADD #2 Furnish any access panels required for work of this contract to **General Trades Bid Package 1 or Bid Package 4 Contractor for installation.****
 16. Apply and pay for any permit costs required for your specific scope as required by City or State authority having jurisdiction.
- B. Temporary facilities and controls in this Contract include, but are not limited to, the following:
1. Division 01 - Submittal Procedures and Division 01-General Requirements as it relates to work of this contract.
 2. Section 01 5000- Temporary Facilities and Controls:
 - a. **ADD #2 Barriers: Provide temporary construction fencing and gates at staging area and excavation area if needed by work of this contract. General Trades Contract will provide overall site fencing.**
 - b. Waste Removal: Provide waste removal into dumpsters provided by others.
 - c. **ADD #2 Provide daily clean-up for your work, or Construction Manager may perform the work and deduct the cost from the payments due to contractor. Daily clean-up shall include removal of all small trash associated with Contractor's work. Daily clean-up includes broom cleaning areas required to maintain a clean work area.**
 - d. Street Cleaning: Provide complete on a daily basis as needed for work of this contract.
 - e. Provide temporary water for use by all trades during construction.
 3. Provide a broom clean condition in all areas of work.
 4. Provide surveying and layout required to complete work of this contract.

5. Provide all temporary construction and construction aids as required for completion of the work. Remove temporary construction upon completion of the work.
6. Provide delivery, unloading and storage at site of all materials as part of this contract.
7. Provide temporary protection of existing finishes during work of this contract. Remove temporary protection upon completion of the work.
8. Provide scaffolding, temporary enclosures, and other temporary facilities required to complete work of this contract. Remove all temporary construction upon completion.
9. Clean-up by Contractor shall be daily, or Construction Manager may perform the work and deduct the cost from the payments due to contractor. Daily clean-up shall include removal of all small trash associated with Contractor's work. Daily clean-up includes broom cleaning areas required to maintain a clean work area.
10. Provide delivery, unloading, and storage of all materials as part of this contract. If materials are stored within the building, all material must be stored on mobile carts to allow for relocation at all times. If material cannot be stored on mobile carts, it must be delivered to the jobsite immediately prior to installation to avoid impacting other trades.
11. If scope of work assignments made in Bid Packages conflict with notes on drawings, the bid package language will govern responsibility.

3.08 HEATING VENTILATING AND AIR CONDITIONING CONTRACT- BID PACKAGE 6

- A. Work of this Contract includes, but is not limited to, the following:
 1. Section 07 84 13 – Penetration Firestopping. Provide this section complete where your work passes thru fire rated assemblies.
 2. Section 07 92 00 – Joint Sealants. Provide this section complete where exposed to view or required at smoke rated assemblies.
 3. Division 23 – Heating Ventilating and Air Conditioning (HVAC). Provide this division complete.
 4. Include controls and control wiring complete.
 5. Provide testing and balancing as required for work of this contract.
 6. **ADD #2 Furnish any access panels required for work of this contract to General Trades Bid Package 1 or Bid Package 4 Contractor for installation.**
 7. Provide an allowance of \$40,000 to be used at the discretion and direction of the CM. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.
 8. **ADD #1 Provide an allowance of \$20,000 to be used for sawcutting/removal/patching existing walls for new ductwork passing thru existing walls. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.**
 9. **ADD #2 - Provide an allowance of \$5,000 for sawcutting/removal/patching existing roof deck for new ductwork passing thru existing roof. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.**
 10. Apply and pay for any permit costs required for your specific scope as required by City or State authority having jurisdiction.
 11. **ADD #1 Provide an allowance of \$20,000 to be used for temporary heat and dehumidification if the permanent systems are not available for use to be used at the discretion and direction of the CM. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.**

12. **ADD #2 - Provide and install all housekeeping pads as required for work of this bid package.**

- B. Temporary facilities and controls in this Contract include, but are not limited to, the following:
1. Division 01 - Submittal Procedures and Division 01-General Requirements as it relates to work of this contract.
 2. Section 01 5000- Temporary Facilities and Controls:
 - a. Barriers: Provide temporary construction fencing and gates at staging area if needed by work of this contract. General Trades Contract will provide overall site fencing.
 - b. Waste Removal: Provide waste removal into dumpsters provided by others.
 - c. **ADD #2 Provide daily clean-up for your work, or Construction Manager may perform the work and deduct the cost from the payments due to contractor. Daily clean-up shall include removal of all small trash associated with Contractor's work. Daily clean-up includes broom cleaning areas required to maintain a clean work area.**
 - d. Street Cleaning: Provide complete on a daily basis as needed for work of this contract.
 3. Provide a broom clean condition in all areas of work.
 4. Provide surveying and layout required to complete work of this contract.
 5. Provide all temporary construction and construction aids as required for completion of the work. Remove temporary construction upon completion of the work.
 6. Provide delivery, unloading and storage at site of all materials as part of this contract.
 7. Provide temporary protection of existing finishes during work of this contract. Remove temporary protection upon completion of the work.
 8. Provide scaffolding, temporary enclosures, and other temporary facilities required to complete work of this contract. Remove all temporary construction upon completion.
 9. ~~ADD #2 Provide temporary dehumidification heating, cooling, and ventilation once building, or portions thereof, is enclosed with permanent (if approved by mechanical engineer) or temporary equipment. Remove temporary services at completion of work or when no longer required. Refer to item 11 above~~
 10. If the permanent heating and ventilation equipment is used as temporary services, provide new equipment filters at project completion, protect intakes from construction dust and debris, and provided extended equipment warranties to date of substantial completion. Any damage to permanent equipment used during construction shall be repaired by this contract.
 11. Clean-up by Contractor shall be daily, or Construction Manager may perform the work and deduct the cost from the payments due to contractor. Daily clean-up shall include removal of all small trash associated with Contractor's work. Daily clean-up includes broom cleaning areas required to maintain a clean work area.
 12. Provide delivery, unloading, and storage of all materials as part of this contract. If materials are stored within the building, all material must be stored on mobile carts to allow for relocation at all times. If material cannot be stored on mobile carts, it must be delivered to the jobsite immediately prior to installation to avoid impacting other trades.
 13. If scope of work assignments made in Bid Packages conflict with notes on drawings, the bid package language will govern responsibility.

3.09 ELECTRICAL & AUDIO VISUAL CONTRACT - BID PACKAGE 7

- A. Work of this Contract includes, but is not limited to the following:
1. Section 07 84 13 – Penetration Firestopping: Provide this section complete where your work passes thru fire rated assemblies.
 2. **ADD #2 Section 07 92 00 – Joint Sealants. Provide this section complete where exposed to view or required at smoke/sound rated assemblies.**
 3. Division 26 – Electrical: Provide this division complete.

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4. Division 27 – Communications: Provide this division complete,
 5. Division 28 – Electronic Safety and Security: Provide this division complete.
 6. **ADD #2 Provide electrical services to mechanical equipment as required in contract documents.**
 7. Furnish any necessary sleeves in concrete for work of this contract to be installed by others.
 8. **ADD #2 Furnish any access panels required for work of this contract to General Trades Bid Package 1 or Bid Package 4 Contractor for installation.**
 9. **ADD #2 – Electrical demolition includes but is not limited to demolition of panels, devices, light fixtures. If there are items included inside existing walls they will come out with the Selective Demolition by Bid Package 1. This bid package will make the walls/ceilings safe before wall/ceiling demolition by others.**
 10. Install power supply hardware furnished by General Trades Contract.
 11. Include and allowance for sawcutting, removal and replacement of concrete floors for underslab electrical and AV work in the amount of \$40,000. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.
 12. Provide an allowance of \$60,000 to be used at the discretion and direction of the CM. The Contractor shall submit a detailed breakdown and document all costs charged to the allowance, which must receive prior approval by the CM. No additional markup will be allowed. Any unused portion of the allowance shall be credited back to the owner by change order at the completion of the work.
 13. Apply and pay for any permit costs required for your specific scope as required by City or State authority having jurisdiction.
 14. **ADD #2 - Provide and install all housekeeping pads as required for work of this bid package.**
- B. Temporary facilities and controls in this Contract include, but are not limited to, the following:
1. Division 1 - Submittal Procedures and Division 1-General Requirements as it relates to work of this contract.
 2. Section 01 5000- Temporary Facilities and Controls:
 - a. **ADD #2 Barriers: Provide temporary construction fencing and gates at staging and excavation areas if needed by work of this contract. General Trades Contract will provide overall site fencing.**
 - b. Waste Removal: Provide waste removal into dumpsters provided by others.
 - c. **ADD #2 Provide daily clean-up for your work, or Construction Manager may perform the work and deduct the cost from the payments due to contractor. Daily clean-up shall include removal of all small trash associated with Contractor's work. Daily clean-up includes broom cleaning areas required to maintain a clean work area.**
 - d. Street Cleaning: Provide complete on a daily basis as needed for work of this contract.
 3. Provide surveying and layout required to complete work of this contract
 4. Include all hoisting and material handling for your work.
 5. Provide all temporary construction and construction aids as required for completion of the work. Remove temporary construction upon completion of the work.
 6. Provide temporary lighting and power requirements for use by all trades that meet OSHA.
 7. Provide temporary safety controls as required to maintain safe work environment. Remove temporary controls upon completion of all work.
 8. Provide cleaning of all public access and roadways as required by work of this contract. Keep public streets clear of dirt, mud and debris by cleaning streets at the end of each workday, or as required so as not to create a public nuisance. Provide temporary roads and paving to maintain level grades at work locations.

9. **ADD #2 Provide 3 phase 208V temporary electrical power services for use of all trades. Temporary power panels shall be no more than a 100'-0" extension cord is required. Provide electrical power to temporary heating, cooling, ventilation, and dehumidification equipment once building or portions thereof, are enclosed with permanent or temporary construction. Remove temporary services at completion of the work or when no longer required. Coordinate with mechanical HVAC contract on quantity and location of temporary equipment.**
10. Provide temporary lighting to meet or exceed OSHA requirements in all areas of the building and maintain throughout until substantial completion. Remove temporary services at completion of the work or until no longer required.
11. Clean-up by Contractor shall be daily, or Construction Manager may perform the work and deduct the cost from the payments due to contractor. Daily clean-up shall include removal of all small trash associated with Contractor's work. Daily clean-up includes broom cleaning areas required to maintain a clean work area.
12. Provide delivery, unloading, and storage of all materials as part of this contract. If materials are stored within the building, all material must be stored on mobile carts to allow for relocation at all times. If material cannot be stored on mobile carts, it must be delivered to the jobsite immediately prior to installation to avoid impacting other trades.
13. If scope of work assignments made in Bid Packages conflict with notes on drawings, the bid package language will govern responsibility.

END OF SECTION