Purchasing Division

Invitation for Bid

IFB-4657-19-DH
Grand Junction Regional Communications Center Remodel

Responses Due:

June 21, 2019 prior to 3:30pm

Accepting Electronic Responses Only

Responses Only Submitted Through the Rocky Mountain E-Purchasing System (RMEPS)

https://www.rockymountainbidsystem.com/default.asp

(Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor MUST contact RMEPS to resolve issue prior to the response deadline. 800-835-4603)

Purchasing Representative:
Duane Hoff Jr., Senior Buyer
duaneh@gjcity.org
970-244-1545

This document has been developed specifically to solicit competitive responses for this solicitation, and may not be the same as previous City of Grand Junction solicitations. All vendors are urged to thoroughly review this solicitation prior to responding. Submittal by **FAX, EMAIL or HARD COPY IS NOT ACCEPTABLE** for this solicitation.

Invitation for Bids

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1. Instructions to Bidders

1.1. **Purpose:** The City of Grand Junction is soliciting competitive bids from qualified and interested companies for all labor, equipment, and materials required remodel office space within the Grand Junction Regional Communications Center. All dimensions and scope of work should be verified by Contractors prior to submission of bids.

IFB Questions:
Duane Hoff Jr., Senior Buyer
duaneh@gjcity.org

The City would like to remind all Contractors, Sub-Contractors, Vendors, Suppliers, Manufacturers, Service Providers, etc. that (with the exception of Pre-Bid or Site Visit Meetings) all questions, inquiries, comments, or communication pertaining to any formal solicitation (whether process, specifications, scope, etc.) must be directed (in writing) to the Purchasing Agent assigned to the project, or Purchasing Division. Direct communication with the City assigned Project Managers/Engineers is not appropriate for public procurement, and may result in disqualification.

1.2. **Mandatory Pre-Bid/Site Visit Meeting:** **Prospective bidders are required to attend a mandatory pre-bid meeting on June 13, 2019 at 10:00am**. Meeting location shall be in the Public Safety Building, located at 555 Ute Ave., Grand Junction, CO. The purpose of this visit will be to inspect and to clarify the contents of this Invitation for Bids (IFB).

1.3. **The Owner:** The Owner is the City of Grand Junction, Colorado and is referred to throughout this Solicitation. The term Owner means the Owner or his authorized representative.

1.4. **Submission:** ***Each bid shall be submitted in electronic format only, and only through the Rocky Mountain E-Purchasing website (https://www.rockymountainbidsystem.com/default.asp).*** *This site offers both "free" and "paying" registration options that allow for full access of the Owner's documents and for electronic submission of proposals. (Note: "free" registration may take up to 24 hours to process. Please Plan accordingly.)* Please view our "**Electronic Vendor Registration Guide"** at http://www.gjcity.org/business-and-economic-development/bids/ for details. (Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor **MUST** contact RMEPS to resolve issue prior to the response deadline. **800-835-4603**)

1.5. **Modification and Withdrawal of Bids Before Opening.** Bids may be modified or withdrawn by an appropriate document stating such, duly executed and submitted to the place where Bids are to be submitted at any time prior to Bid Opening.

1.6. **Printed Form for Price Bid:** All Price Bids must be made upon the Price Bid Schedule attached, and should give the amounts both in words and in figures, and must be signed and acknowledged by the bidder.

The Offeror shall specify a unit price in figures for each pay item for which a quantity is given and shall provide the products (in numbers) of the respective unit prices and quantities in the Extended Amount column. The total Bid price shall be equal to the sum of all extended amount prices. When an item in the Price Bid Schedule provides a choice to be made by the Offeror, Offeror's choice shall be indicated in accordance with the specifications for that particular item and thereafter no further choice shall be permitted.

Where the unit of a pay item is lump sum, the lump sum amount shall be shown in the "extended amount" column and included in the summation of the total Bid.

All blank spaces in the Price Bid Schedule must be properly filled out.

Bids by corporations must be executed in the corporate name by the president or vice president or other corporate office accompanied by evidence of authority to sign. The corporate address and state of incorporation shall be shown below the signature.

Bids by partnerships must be executed in the partnership name and signed by a partner whose title must appear under the signature and the official address of the partnership must be shown below the signature.

All names must be typed or printed below the signature.

The Offeror's Bid shall contain an acknowledgement of receipt of all Addenda, the numbers of which shall be filled in on the Contractor's Bid Form.

The contact information to which communications regarding the Bid are to be directed must be shown.

1.7. Exclusions: No oral, telephonic, emailed, or facsimile bid will be considered

1.8. Contract Documents: The complete IFB and bidder's response compose the Contract Documents. Copies of bid documents can be obtained from the City Purchasing website, http://www.gjcity.org/business-and-economic-development/bids/ .

1.9. Additional Documents: The July 2010 edition of the "City Standard Contract Documents for Capital Improvements Construction", Plans, Specifications and other Bid Documents are available for review or download on the Public Works & Planning/Engineering page at www.gjcity.org. Electronic copies may be obtained on a CD format at the Department of Public Works and Planning at City Hall.

1.10. Definitions and Terms: See Article I, Section 3 of the General Contract Conditions in the *Standard Contract Documents for Capital Improvements Construction*.

1.11. Examination of Specifications: Bidders shall thoroughly examine and be familiar with the project Statement of Work. The failure or omission of any Offeror to receive or examine any form, addendum, or other document shall in no way relieve any Offeror from any obligation with respect to his bid. The submission of a bid shall be taken as evidence of compliance with this section. Prior to submitting a bid, each Offeror shall, at a minimum:

a. Examine the *Contract Documents* thoroughly;

b. Visit the site to familiarize themselves with local conditions that may in any manner affect cost, progress, or performance of the Work;

c. Become familiar with federal, state, and local laws, ordinances, rules, and regulations that may in any manner affect cost, progress or performance of the Work;

d. Study and carefully correlate Bidder's observations with the *Contract Documents*, and;

e. Notify the Purchasing Agent of all conflicts, errors, ambiguities or discrepancies in or among the *Contract Documents*

On request, the Owner will provide each Offeror access to the site to conduct such investigations and tests as each Bidder deems necessary for submission of a Bid. It shall be the Offeror's responsibility to make or obtain any additional examinations, investigations, explorations, tests and studies and obtain any additional information and data which pertain to the physical conditions (including without limitation, surface, subsurface and underground utilities) at or contiguous to the site or otherwise which may affect cost, progress or performance of the work and which the Offeror deems necessary to determine its Bid for performing the work in accordance with the time, price and other terms and conditions of the Contract Documents. Location of any excavation or boring made by Offeror shall be subject to prior approval of Owner and applicable agencies. Offeror shall fill all holes, restore all pavements to match the existing structural section and shall clean up and restore the site to its former condition upon completion of such exploration. The Owner reserves the right to require the Offeror to execute an access agreement with the Owner prior to accessing the site.

The lands upon which the Work is to be performed, rights of way, and access thereto, and other lands designated for use by Contractor in performing the Work, are identified on the Drawings.

Information and data reflected in the *Contract Documents* with respect to underground utilities at or contiguous to the site are based upon information and data furnished to the Owner and the Engineer by the owners of such underground utilities or others, and the Owner does not assume responsibility for the accuracy or completeness thereof, unless it is expressly provided otherwise in the *Contract Documents*.

By submission of a Bid, the Offeror shall be conclusively presumed to represent that the Offeror has complied with every requirement of these Instructions to Bidders, that the *Contract Documents* are not ambiguous and are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the Work.

1.12. Questions Regarding Statement of Work: Any information relative to interpretation of Scope of Work or specifications shall be requested of the Purchasing Representative, in writing, in ample time prior to the response time.

1.13. Addenda & Interpretations: If it becomes necessary to revise any part of this solicitation, a written addendum will be posted electronically on the City's website at http://www.gjcity.org/business-and-economic-development/bids/ . The Owner is not bound by any oral representations, clarifications, or changes made in the written specifications by Owner, unless such clarification or change is provided in written addendum form from the City Purchasing Representative.

1.14. Taxes: The Owner is exempt from State retail and Federal tax. The bid price must be net, exclusive of taxes.

1.15. Sales and Use Taxes: The Contractor and all Subcontractors are required to obtain exemption certificates from the Colorado Department of Revenue for sales and use taxes in accordance with the provisions of the General Contract Conditions. Bids shall reflect this method of accounting for sales and use taxes on materials, fixtures and equipment.

1.16. Offers Binding 60 Days: Unless additional time is required by the Owner, or otherwise specified, all formal offers submitted shall be binding for sixty (60) calendar days following opening date, unless the Bidder, upon request of the Purchasing Representative, agrees to an extension.

1.17. Collusion Clause: Each bidder by submitting a bid certifies that it is not party to any collusive action or any action that may be in violation of the Sherman Antitrust Act. Any and all bids shall be rejected if there is evidence or reason for believing that collusion exists among bidders. The Owner may, or may not, accept future bids for the same services or commodities from participants in such collusion.

1.18. Disqualification of Bidders: A Bid will not be accepted from, nor shall a Contract be awarded to, any person, firm, or corporation that is in arrears to the Owner, upon debt or contract, or that has defaulted, as surety or otherwise, upon any obligation to the Owner, or that is deemed irresponsible or unreliable.

Bidders may be required to submit satisfactory evidence that they are responsible, have a practical knowledge of the project bid upon and that they have the necessary financial and other resources to complete the proposed Work.

Either of the following reasons, without limitation, shall be considered sufficient to disqualify a Bidder and Bid:

a. More than one Bid is submitted for the same Work from an individual, firm, or corporation under the same or different name; and

b. Evidence of collusion among Bidders. Any participant in such collusion shall not receive recognition as a Bidder for any future work of the Owner until such participant has been reinstated as a qualified bidder.

1.19. Public Disclosure Record: If the bidder has knowledge of their employee(s) or sub-contractors having an immediate family relationship with a City employee or elected official, the bidder must provide the Purchasing Representative with the name(s) of these individuals. These individuals are required to file an acceptable "Public Disclosure Record", a statement of financial interest, before conducting business with the City.

2. General Contract Conditions for Construction Projects

2.1. The Contract: This Invitation for Bid, submitted documents, and any negotiations, when properly accepted by the City, shall constitute a contract equally binding between the City and Contractor. The contract represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements, either written or oral. The contract may be amended or modified with Change Orders, Field Orders, or Addendums.

2.2. The Work: The term Work includes all labor necessary to produce the construction required by the Contract Documents, and all materials and equipment incorporated or to be incorporated in such construction.

2.3. Execution, Correlation, Intent, and Interpretations: The Contract Documents shall be signed in not less than triplicate by the Owner (City) and Contractor. City will provide the contract. By executing the contract, the Contractor represents that he/she has visited the site, familiarized himself with the local conditions under which the Work is to be performed, and correlated his observations with the requirements of the Contract Documents. The Contract Documents are complementary, and what is required by any one, shall be as binding as if required by all. The intention of the documents is to include all labor, materials, equipment and other items necessary for the proper execution and completion of the scope of work as defined in the technical specifications and drawings contained herein. All drawings, specifications and copies furnished by the City are, and shall remain, City property. They are not to be used on any other project, and with the exception of one contract set for each party to the contract, are to be returned to the owner on request at the completion of the work.

2.4. The Owner: The Owner is the City of Grand Junction, Colorado and is referred to throughout the Contract Documents. The term Owner means the Owner or his authorized representative. The Owner shall, at all times, have access to the work wherever it is in preparation and progress. The Contractor shall provide facilities for such access. The Owner will make periodic visits to the site to familiarize himself generally with the progress and quality of work and to determine, in general, if the work is proceeding in accordance with the contract documents. Based on such observations and the Contractor's Application for Payment, the Owner will determine the amounts owing to the Contractor and will issue Certificates for Payment in such amounts, as provided in the contract. The Owner will have authority to reject work which does not conform to the Contract documents. Whenever, in his reasonable opinion, he considers it necessary or advisable to insure the proper implementation of the intent of the Contract Documents, he will have authority to require the Contractor to stop the work or any portion, or to require special inspection or testing of the work, whether or not such work can be then be fabricated, installed, or completed. The Owner will not be responsible for

the acts or omissions of the Contractor, and sub-Contractor, or any of their agents or employees, or any other persons performing any of the work.

2.5. Contractor: The Contractor is the person or organization identified as such in the Agreement and is referred to throughout the Contract Documents. The term Contractor means the Contractor or his authorized representative. The Contractor shall carefully study and compare the General Contract Conditions of the Contract, Specification and Drawings, Scope of Work, Addenda and Modifications and shall at once report to the Owner any error, inconsistency or omission he may discover. Contractor shall not be liable to the Owner for any damage resulting from such errors, inconsistencies or omissions. The Contractor shall not commence work without clarifying Drawings, Specifications, or Interpretations.

2.6. Sub-Contractors: A sub-contractor is a person or organization who has a direct contract with the Contractor to perform any of the work at the site. The term sub-contractor is referred to throughout the contract documents and means a sub-contractor or his authorized representative.

2.7. Award of Sub-Contractors & Other Contracts for Portions of the Work: Contractor shall submit with their bid response to the Owner, in writing for acceptance, a list of the names of the sub-contractors or other persons or organizations proposed for such portions of the work as may be designated in the proposal requirements, or, if none is so designated, the names of the sub-contractors proposed for the principal portions of the work. Prior to the award of the contract, the Owner shall notify the successful Contractor in writing if, after due investigation, has reasonable objection to any person or organization on such list. If, prior to the award of the contract, the Owner has a reasonable and substantial objection to any person or organization on such list, and refuses in writing to accept such person or organization, the successful Contractor may, prior to the award, withdraw their proposal without forfeiture of proposal security. If the successful Contractor submits an acceptable substitute with an increase in the proposed price to cover the difference in cost occasioned by the substitution, the Owner may, at their discretion, accept the increased proposal or may disqualify the Contractor. If, after the award, the Owner refuses to accept any person or organization on such list, the Contractor shall submit an acceptable substitute and the contract sum shall be increased or decreased by the difference in cost occasioned by such substitution and an appropriate Change Order shall be issued. However, no increase in the contract sum shall be allowed for any such substitution unless the Contractor has acted promptly and responsively in submitting a name with respect thereto prior to the award.

2.8. Quantities of Work and Unit Price: Materials or quantities stated as unit price items in the Bid are supplied only to give an indication of the general scope of the Work, and are as such, estimates only. The Owner does not expressly or by implication agree that the actual amount of Work or material will correspond therewith, and reserves the right after award to increase or decrease the quantity of any unit item of the Work without a change in the unit price except as set forth in Article VIII, Section 70 of the *General Contract Conditions*. The City also reserves the right to make changes in the Work (including the right to delete any bid item in its entirety or add additional bid items) as set forth in Article VIII, Sections 69 through 71 of the *General Contract Conditions*.

2.9. Substitutions: The materials, products and equipment described in the *Solicitation Documents* shall be regarded as establishing a standard of required performance, function, dimension, appearance, or quality to be met by any proposed substitution. No substitution will be considered prior to receipt of Bids unless the Offeror submits a written request for approval to the City Purchasing Division at least ten (10) days prior to the date for receipt of Bids. Such requests for approval shall include the name of the material or equipment for which substitution is sought and a complete description of the proposed substitution including drawings, performance and test data, and other information necessary for evaluation, including samples if requested. The Offeror shall set forth changes in other materials, equipment, or other portions of the Work including changes of the work of other contracts, which incorporation of the proposed substitution would require to be included. The Owner's decision of approval or disapproval of a proposed substitution shall be final. If the Owner approves a proposed substitution before receipt of Bids, such approval will be set forth in an Addendum. Offeors shall not rely upon approvals made in any other manner.

2.10. Supervision and Construction Procedures: The Contractor shall supervise and direct the work, using his best skill and attention. He shall be solely responsible for all construction means, methods, techniques, sequences and procedures and for coordinating all portions of the work under the contract.

2.11. Warranty: The Contractor warrants to the Owner that all materials and equipment furnished under this contract will be new unless otherwise specified, and that all work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All work not so conforming to these standards may be considered defective. If required by Owner, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment. If within ten (10) days after written notice to the Contractor requesting such repairs or replacement, the Contractor should neglect to make or undertake with due diligence to the same, the City may make such repairs or replacements. All indirect and direct costs of such correction or removal or replacement shall be at the Contractor's expense. The Contractor will also bear the expenses of making good all work of others destroyed or damaged by the correction, removal or replacement of his defective work.

2.12. Permits, Fees, & Notices: The Contractor shall secure and pay for all permits, governmental fees and licenses necessary for the proper execution and completion of the work. The Contractor shall give all notices and comply with all laws, ordinances, rules, regulations and orders of any public authority bearing on the performance of the work. If the Contractor observes that any of the Contract Documents are at variance in any respect, he shall promptly notify the Owner in writing, and any necessary changes shall be adjusted by approximate modification. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the Owner, he shall assume full responsibility and shall bear all costs attributable.

2.13. Responsibility for Those Performing the Work: The Contractor shall be responsible to the Owner for the acts and omissions of all his employees and all sub-contractors, their agents and employees, and all other persons performing any of the work under a contract with the Contractor.

2.14. Use of the Site: The Contractor shall confine operations at the site to areas permitted by law, ordinances, permits and the Contract Documents, and shall not unreasonably encumber the site with any materials or equipment.

2.15. Cleanup: The Contractor at all times shall keep the premises free from accumulation of waste materials or rubbish caused by his operations. At the completion of work he shall remove all his waste materials and rubbish from and about the project, as well as all his tools, construction equipment, machinery and surplus materials.

2.16. Insurance: The Contractor shall secure and maintain such insurance policies as will provide the coverage and contain other provisions specified in the General Contract Conditions, or as modified in the Special Contract Conditions.

The Contractor shall file a copy of the policies or Certificates of Insurance acceptable to the City with the Engineer within ten (10) Calendar Days after issuance of the Notice of Award. These Certificates of Insurance shall contain a provision that coverage afforded under the policies shall not be canceled unless at least thirty (30) Calendar Days prior written notice has been given to the City.

2.17. Indemnification: The Contractor shall defend, indemnify and save harmless the Owner, and all its officers, employees, insurers, and self-insurance pool, from and against all liability, suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the Contractor, or of any Contractor's agent, employee, sub-contractor or supplier in the execution of, or performance under, any contract which may result from proposal award. Contractor shall pay any judgment with cost which may be obtained against the Owner growing out of such injury or damages.

2.18. Miscellaneous Conditions: Material Availability: Contractors must accept responsibility for verification of material availability, production schedules, and other pertinent data prior to submission of bid. It is the responsibility of the bidder to notify the Owner immediately if materials specified are discontinued, replaced, or not available for an extended period of time. OSHA Standards: All bidders agree and warrant that services performed in response to this invitation shall conform to the standards declared by the US Department of Labor under the Occupational Safety and Health Act of 1970 (OSHA). In the event the services do not conform to OSHA standards, the Owner may require the services to be redone at no additional expense to the Owner.

2.19. Time: Time is of the essence with respect to the time of completion of the Project and any other milestones or deadline which are part of the Contract. It will be necessary for each Bidder to satisfy the City of its ability to complete the Work within the Contract Time set forth in the Contract Documents. The Contract Time is the period of time allotted in the Contract Documents for completion of the work. The date of commencement of the work is the date established in a Notice to Proceed. If there is no Notice to Proceed, it shall be the date of the Contract or such other date as may be established therein, or as established as entered on the Bid Form. The Date of Substantial Completion of the work

or designated portions thereof is the date certified by the Owner when construction is sufficiently complete, in accordance with the Contract Documents.

2.20. Progress & Completion: The Contractor shall begin work on the date of commencement as defined in the Contract, and shall carry the work forward expeditiously with adequate forces and shall complete it within the contract time.

2.21. Payment & Completion: The Contract Sum is stated in the Contract and is the total amount payable by the Owner to the Contractor for the performance of the work under the Contract Documents. Upon receipt of written notice that the work is ready for final inspection and acceptance and upon receipt of application for payment, the Owner's Project Manager will promptly make such inspection and, when he finds the work acceptable under the Contract Documents and the Contract fully performed, the Owner shall make payment in the manner provided in the Contract Documents.

2.22. Bid Bond: Each Bid shall as a guaranty of good faith on the part of the Bidder be accompanied by a Bid Guaranty consisting of: a certified or cashier's check drawn on an approved national bank or trust company in the state of Colorado, and made payable without condition to the City; or a **Bid Bond** written by an approved corporate surety in favor of the City. The amount of the Bid Guaranty shall not be less than 5% of the total Bid amount. Once a Bid is accepted and a Contact is awarded, the apparent successful bidder has ten calendar days to enter into a contractor in the form prescribed and to furnish the bonds with a legally responsible and approved surety. Failure to do so will result I forfeiture of the Bid Guaranty to the City as Liquidated Damages.

Each bidder shall guaranty its total bid price for a period of sixty (60) Calendar Days from the date of the bid opening.

2.23. Performance & Payment Bonds: Contractor shall furnish a Performance and a Payment Bond, each in an amount at least equal to that specified for the contract amount as security for the faithful performance and payment of all Contractor's obligations under the Contract Documents. These bonds shall remain in effect for the duration of the Warranty Period (as specified in the Special Conditions). Contractor shall also furnish other bonds that may be required by the Special Conditions. All bonds shall be in the forms prescribed by the Contract Documents and be executed by such sureties as (1) are licensed to conduct business in the State of Colorado and (2) are named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Audit Staff, Bureau of Accounts, U.S. Treasury Department. All bonds singed by an agent must be accompanied by a certified copy of the Authority Act. If the surety on any bond furnished by the Contractor is declared bankrupt, or becomes insolvent, or its rights to do business in Colorado are terminated, or it ceases to meet the requirements of clauses (1) and (2) of this section, Contractor shall within five (5) days thereafter substitute another bond and surety, both of which shall be acceptable to the City.

2.24. Retention: The Owner will deduct money from the partial payments in amounts considered necessary to protect the interest of the Owner and will retain this money until after completion of the entire contract. The amount to be retained from partial payments will

be five (5) percent of the value of the completed work, and not greater than five (5) percent of the amount of the Contract. When the retainage has reached five (5) percent of the amount of the Contract no further retainage will be made and this amount will be retained until such time as final payment is made.

2.25. Liquidated Damages for Failure to Enter Into Contract: Should the Successful Bidder fail or refuse to enter into the Contract within ten Calendar Days from the issuance of the Notice of Award, the City shall be entitled to collect the amount of such Bidder's Bid Guaranty as Liquidated Damages, not as a penalty but in consideration of the mutual release by the City and the Successful Bidder of all claims arising from the City's issuance of the Notice of Award and the Successful Bidder's failure to enter into the Contract and the costs to award the Contract to any other Bidder, to readvertise, or otherwise dispose of the Work as the City may determine best serves its interest.

2.26. Liquidated Damages for Failure to Meet Project Completion Schedule: If the Contractor does not achieve Final Completion by the required date, whether by neglect, refusal or any other reason, the parties agree and stipulate that the Contractor shall pay liquidated damages to the City for each such day that final completion is late. As provided elsewhere, this provision does not apply for delays caused by the City. The date for Final Completion may be extended in writing by the Owner.

The Contractor agrees that as a part of the consideration for the City's awarding of this Contract liquidated damages in the daily amount of **$1,000.00** is reasonable and necessary to pay for the actual damages resulting from such delay. The parties agree that the real costs and injury to the City for such delay include hard to quantify items such as: additional engineering, inspection and oversight by the City and its agents; additional contract administration; inability to apply the efforts of those employees to the other work of the City; perceived inefficiency of the City; citizens having to deal with the construction and the Work, rather than having the benefit of a completed Work, on time; inconvenience to the public; loss of reputation and community standing for the City during times when such things are very important and very difficult to maintain.

The Contractor must complete the Work and achieve final completion included under the Bid Schedule in the number of consecutive calendar days after the City gives is written Notice to Proceed. When the Contractor considers the entire Work ready for its intended use, Contractor shall certify in writing that the Work is substantially complete. In addition to the Work being substantially complete, Final Completion date is the date by which the Contractor shall have fully completed all clean-up, and all items that were identified by the City in the inspection for final completion. Unless otherwise stated in the Special Conditions, for purposes of this liquidated damages clause, the Work shall not be finished and the Contract time shall continue to accrue until the City gives its written Final Acceptance.

If the Contractor shall fail to pay said liquidated damages promptly upon demand thereof after having failed to achieve Final Completion on time, the City shall first look to any retainage or other funds from which to pay said liquidated damages; if retainage or other liquid funds are not available to pay said liquidated damages amounts, the Surety on the Contractor's Performance Bond and Payment Bond shall pay such liquidated damages.

In addition, the City may withhold all, or any part of, such liquidated damages from any payment otherwise due the Contractor.
Liquidated damages as provided do not include any sums to reimburse the City for extra costs which the City may become obligated to pay on other contracts which were delayed or extended because of the Contractor's failure to complete the Work within the Contract Time. Should the City incur additional costs because of delays or extensions to other contracts resulting from the Contractor's failure of timely performance, the Contractor agrees to pay these costs that the City incurs because of the Contractor's delay, and these payments are separate from and in addition to any liquidated damages.

The Contractor agrees that the City may use its own forces or hire other parties to obtain Substantial or Final Completion of the work if the time of completion has elapsed and the Contractor is not diligently pursuing completion. In addition to the Liquidated Damages provided for, the Contractor agrees to reimburse the City for all expenses thus incurred.

2.27. Contingency/Force Account: Contingency/Force Account work will be authorized by the Owner's Project Manager and is defined as minor expenses to cover miscellaneous or unforeseen expenses related to the project. The expenses are not included in the Drawings, Specifications, or Scope of Work and are necessary to accomplish the scope of this contract. Contingency/Force Account Authorization will be directed by the Owner through an approved form. Contingency/Force Account funds are the property of the Owner and any Contingency/Force Account funds, not required for project completion, shall remain the property of the Owner. Contractor is not entitled to any Contingency/Force Account funds, that are not authorized by Owner or Owner's Project Manager.

2.28. Protection of Persons & Property: The Contractor shall comply with all applicable laws, ordinances, rules, regulations and orders of any public authority having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss. Contractor shall erect and maintain, as required by existing safeguards for safety and protection, and all reasonable precautions, including posting danger signs or other warnings against hazards promulgating safety regulations and notifying owners and users of adjacent utilities. When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct by the Contractor in the execution of the work, or in consequence of the non-execution thereof by the Contractor, he shall restore, at his own expense, such property to a condition similar or equal to that existing before such damage or injury was done, by repairing, rebuilding, or otherwise restoring as may be directed, or it shall make good such damage or injury in an acceptable manner.

2.29. Changes in the Work: The Owner, without invalidating the contract, may order changes in the work within the general scope of the contract consisting of additions, deletions or other revisions, the contract sum and the contract time being adjusted accordingly. All such changes in the work shall be authorized by Change Order and shall be executed under the applicable conditions of the contract documents. A Change Order is a written order to the Contractor signed by the Owner issued after the execution of the contract, authorizing a change in the work or an adjustment in the contract sum or the contract time. The contract sum and the contract time may be changed only by Change Order.

2.30. Claims for Additional Cost or Time: If the Contractor wishes to make a claim for an increase in the contract sum or an extension in the contract time, he shall give the Owner written notice thereof within a reasonable time after the occurrence of the event giving rise to such claim. This notice shall be given by the Contractor before proceeding to execute the work, except in an emergency endangering life or property in which case the Contractor shall precede in accordance with the regulations on safety. No such claim shall be valid unless so made. Any change in the contract sum or contract time resulting from such claim shall be authorized by Change Order.

2.31. Minor Changes in the Work: The Owner shall have authority to order minor changes in the work not involving an adjustment in the contract sum or an extension of the contract time and not inconsistent with the intent of the contract documents.

2.32. Field Orders: The Owner may issue written Field Orders which interpret the Contract Documents in accordance with the specifications, or which order minor changes in the work in accordance with the agreement, without change in the contract sum or time. The Contractor shall carry out such Field Orders promptly.

2.33. Uncovering & Correction of Work: The Contractor shall promptly correct all work rejected by the Owner as defective or as failing to conform to the contract documents whether observed before or after substantial completion and whether or not fabricated installed or competed. The Contractor shall bear all costs of correcting such rejected work, including the cost of the Owner's additional services thereby made necessary. If within one (1) year after the date of completion or within such longer period of time as may be prescribed by law or by the terms of any applicable special guarantee required by the contract documents, any of the work found to be defective or not in accordance with the contract documents, the Contractor shall correct it promptly after receipt of a written notice from the Owner to do so unless the Owner has previously given the Contractor a written acceptance of such condition. The Owner shall give such notice promptly after discover of condition. All such defective or non-conforming work under the above paragraphs shall be removed from the site where necessary and the work shall be corrected to comply with the contract documents without cost to the Owner. The Contractor shall bear the cost of making good all work of separate Contractors destroyed or damaged by such removal or correction. If the Owner prefers to accept defective or non-conforming work, he may do so instead of requiring its removal and correction, in which case a Change Order will be issued to reflect an appropriate reduction in the payment or contract sum, or, if the amount is determined after final payment, it shall be paid by the Contractor.

2.30. Amendment: No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All amendments to the contract shall be made in writing by the Owner.

2.31. Assignment: The Contractor shall not sell, assign, transfer or convey any contract resulting from this IFB, in whole or in part, without the prior written approval from the Owner.

2.32. Compliance with Laws: Bids must comply with all Federal, State, County and local laws governing or covering this type of service and the fulfillment of all ADA (Americans with Disabilities Act) requirements.

2.33. Confidentiality: All information disclosed by the Owner to the Contractor for the purpose of the work to be done or information that comes to the attention of the Contractor during the course of performing such work is to be kept strictly confidential.

2.34. Conflict of Interest: No public official and/or City/County employee shall have interest in any contract resulting from this IFB.

2.35. Contract Termination: This contract shall remain in effect until any of the following occurs: (1) contract expires; (2) completion of services; (3) acceptance of services or, (4) for convenience terminated by either party with a written *Notice of Cancellation* stating therein the reasons for such cancellation and the effective date of cancellation.

2.36. Employment Discrimination: During the performance of any services per agreement with the Owner, the Contractor, by submitting a Bid, agrees to the following conditions:

2.36.1. The Contractor shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, age, handicap, or national origin except when such condition is a legitimate occupational qualification reasonably necessary for the normal operations of the Contractor. The Contractor agrees to post in conspicuous places, visible to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.

2.36.2. The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, shall state that such Contractor is an Equal Opportunity Employer.

2.36.3. Notices, advertisements, and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.

2.37. Affirmative Action: In executing a Contract with the City, the Contractor agrees to comply with Affirmative Action and Equal Employment Opportunity regulations presented in the General Contract Conditions.

2.38. Immigration Reform and Control Act of 1986 and Immigration Compliance: The Offeror certifies that it does not and will not during the performance of the contract employ illegal alien workers or otherwise violate the provisions of the Federal Immigration Reform and Control Act of 1986 and/or the immigration compliance requirements of State of Colorado C.R.S. § 8-17.5-101, *et.seq.* (House Bill 06-1343).

2.39. Ethics: The Contractor shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official, or agent of the Owner.

2.40. Failure to Deliver: In the event of failure of the Contractor to deliver services in accordance with the contract terms and conditions, the Owner, after due oral or written notice, may procure the services from other sources and hold the Contractor responsible for any costs resulting in additional purchase and administrative services. This remedy shall be in addition to any other remedies that the Owner may have.

2.41. Failure to Enforce: Failure by the Owner at any time to enforce the provisions of the contract shall not be construed as a waiver of any such provisions. Such failure to enforce shall not affect the validity of the contract or any part thereof or the right of the Owner to enforce any provision at any time in accordance with its terms.

2.42. Force Majeure: The Contractor shall not be held responsible for failure to perform the duties and responsibilities imposed by the contract due to legal strikes, fires, riots, rebellions, and acts of God beyond the control of the Contractor, unless otherwise specified in the contract.

2.43. Independent Contractor: The Contractor shall be legally considered an Independent Contractor and neither the Contractor nor its employees shall, under any circumstances, be considered servants or agents of the Owner. The Owner shall be at no time legally responsible for any negligence or other wrongdoing by the Contractor, its servants, or agents. The Owner shall not withhold from the contract payments to the Contractor any federal or state unemployment taxes, federal or state income taxes, Social Security Tax or any other amounts for benefits to the Contractor. Further, the Owner shall not provide to the Contractor any insurance coverage or other benefits, including Workers' Compensation, normally provided by the Owner for its employees.

2.44. Nonconforming Terms and Conditions: A bid that includes terms and conditions that do not conform to the terms and conditions of this Invitation for Bid is subject to rejection as non-responsive. The Owner reserves the right to permit the Contractor to withdraw nonconforming terms and conditions from its bid prior to a determination by the Owner of non-responsiveness based on the submission of nonconforming terms and conditions.

Items for non-responsiveness may include, but not be limited to:

a. Submission of the Bid on forms other than those supplied by the City;

b. Alteration, interlineation, erasure, or partial detachment of any part of the forms which are supplied herein;

c. Inclusion of unauthorized additions conditional or alternate Bids or irregularities of any kind which may tend to make the Bid incomplete, indefinite, or ambiguous as to its meaning;

d. Failure to acknowledge receipt of any or all issued Addenda;

e. Failure to provide a unit price or a lump sum price, as appropriate, for each pay item listed except in the case of authorized alternative pay items;

f. Failure to list the names of Subcontractors used in the Bid preparation as may be required in the Solicitation Documents;

g. Submission of a Bid that, in the opinion of the Owner, is unbalanced so that each item does not reasonably carry its own proportion of cost or which contains inadequate or unreasonable prices for any item;

h. Tying of the Bid with any other bid or contract; and

i. Failure to calculate Bid prices as described herein.

2.45. Evaluation of Bids and Offeors: The Owner reserves the right to:

- reject any and all Bids,
- waive any and all informalities,
- negotiate final terms with the Successful Bidder, and
- disregard any and all nonconforming, nonresponsive or conditional Bids.

Discrepancies between words and figures will be resolved in favor of words. Discrepancies between Unit Prices and Extended Prices will be resolved in favor of the Unit Prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. The corrected extensions and totals will be shown in the tabulation of Bids.

The Owner may consider the qualifications and experience of Subcontractors and other persons and organizations (including those who are to furnish the principal items of material or equipment) proposed for those portions of the work as to which the identity of Subcontractors and other persons and organizations must be submitted. Operating costs, maintenance considerations performance data, and guarantees of materials and equipment may also be considered by the Owner.

The Owner will conduct such investigations as deemed necessary to assist in the evaluation of any Bid and to establish the responsibility, qualifications and financial ability of the Offeror, proposed Subcontractors and other persons and organizations to do the Work in accordance with the *Contract Documents* to the City's satisfaction within the Contract Time.

The Offeror shall furnish the Owner all information and data requested by the Owner to determine the ability of the Offeror to perform the Work. The Owner reserves the right to reject the Bid if the evidence submitted by, or investigation of such Offeror fails to satisfy the Owner that such Offeror is properly qualified to carry out the obligations of the Contract and to complete the Work contemplated therein.

By submitting a Bid, each Offeror authorizes the Owner to perform such investigation of the Offeror as the Owner deems necessary to establish the responsibility, qualifications and financial ability of the Offeror and, by its signature thereon, authorizes the Owner to obtain reference information concerning the Offeror and releases the party providing such information and the Owner from any and all liability to the Offeror as a result of such reference information so provided.

The Owner reserves the right to reject the Bid of any Offeror who does not pass any evaluation to the Owner's satisfaction.

If the Contract is to be awarded, it will be awarded to the Offeror who, by evaluation, the Owner determines will best meet the Owner's interests.

The Owner reserves the right to accept or reject the Work contained in any of the Price Bid Schedules or alternates, either in whole or in part.

2.46. Award of Contract: Unless otherwise indicated, a single award will be made for all the bid items in an individual bid schedule. In the event that the Work is contained in more than one Bid Schedule, the City may award Schedules individually or in combination. In the case of two Bid Schedules which are alternative to each other, only one of such alternative Schedules will be awarded. Within forty-five (45) Calendar Days of Bid Opening, the City will issue a Notice of Award to the Successful Bidder which will be accompanied by four (4) unsigned copies of the Contract and the Performance and Payment Bond forms. Within ten (10) Calendar Days thereafter, the Successful Bidder shall sign and deliver four (4) copies of the Contract, Performance Bond, Payment Bond and Certificates of Insurance to the City. Within ten (10) Calendar Days thereafter, the City will deliver two (2) fully executed counterparts of the Contract to the Contractor. No contract shall exist between the Successful Bidder and the City and the Successful Bidder shall have no rights at law or in equity until the Contract has been duly executed by the City.

The Successful Bidder's failure to sign and submit a Contract and other documents set forth in this Paragraph within the prescribed time shall be just cause of annulment of the award, and forfeiture of the Bid Guaranty. The award of Contract may then be made to the next qualified Bidder in the same manner as previously prescribed.

2.47. Ownership: All plans, prints, designs, concepts, etc., shall become the property of the Owner.

2.48. Oral Statements: No oral statement of any person shall modify or otherwise affect the terms, conditions, or specifications stated in this document and/or resulting agreement. All modifications to this request and any agreement must be made in writing by the Owner.

2.49. Patents/Copyrights: The Contractor agrees to protect the Owner from any claims involving infringements of patents and/or copyrights. In no event shall the Owner be liable to the Contractor for any/all suits arising on the grounds of patent(s)/copyright(s) infringement. Patent/copyright infringement shall null and void any agreement resulting from response to this IFB.

2.50. Remedies: The Contractor and Owner agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.

2.51. Venue: Any agreement as a result of responding to this IFB shall be deemed to have been made in, and shall be construed and interpreted in accordance with, the laws of the City of Grand Junction, Mesa County, Colorado.

2.52. Expenses: Expenses incurred in preparation, submission and presentation of this IFB are the responsibility of the company and cannot be charged to the Owner.

2.53. Sovereign Immunity: The Owner specifically reserves its right to sovereign immunity pursuant to Colorado State Law as a defense to any action arising in conjunction to this agreement.

2.54. Non-Appropriation of Funds: The contractual obligation of the Owner under this contract is contingent upon the availability of appropriated funds from this fiscal year budget as approved by the City Council or Board of County Commissioners from this fiscal year only. State of Colorado Statutes prohibit obligation of public funds beyond the fiscal year for which the budget was approved. Anticipated expenditures/obligations beyond the end of the current Owner's fiscal year budget shall be subject to budget approval. Any contract will be subject to and must contain a governmental non-appropriation of funds clause.

2.55. Cooperative Purchasing: Purchases as a result of this solicitation are primarily for the City/County. Other governmental entities may be extended the opportunity to utilize the resultant contract award with the agreement of the successful provider and the participating agencies. All participating entities will be required to abide by the specifications, terms, conditions and pricings established in this Bid. The quantities furnished in this bid document are for only the City/County. It does not include quantities for any other jurisdiction. The City or County will be responsible only for the award for its jurisdiction. Other participating entities will place their own awards on their respective Purchase Orders through their purchasing office or use their purchasing card for purchase/payment as authorized or agreed upon between the provider and the individual entity. The City/County accepts no liability for payment of orders placed by other participating jurisdictions that choose to piggy-back on our solicitation. Orders placed by participating jurisdictions under the terms of this solicitation will indicate their specific delivery and invoicing instructions.

2.56. Keep Jobs in Colorado Act: Contractor shall be responsible for ensuring compliance with Article 17 of Title 8, Colorado Revised Statutes requiring 80% Colorado labor to be employed on public works. Contractor shall, upon reasonable notice provided by the Owner, permit the Owner to inspect documentation of identification and residency required by C.R.S. §8-17-101(2)(a). If Contractor claims it is entitled to a waiver pursuant to C.R.S. §8-17-101(1), Contractor shall state that there is insufficient Colorado labor to perform the work such that compliance with Article 17 would create an undue burden that would substantially prevent a project from proceeding to completion, and shall include evidence demonstrating the insufficiency and undue burden in its response.

Unless expressly granted a waiver by the Owner pursuant to C.R.S. §8-17-101(1), Contractor shall be responsible for ensuring compliance with Article 17 of Title 8, Colorado Revised Statutes requiring 80% Colorado labor to be employed on public works. Contractor shall, upon reasonable notice provided by the Owner, permit the Owner to inspect documentation of identification and residency required by C.R.S. §8-17-101(2)(a).

2.56.1. "Public project" is defined as:

(a) any construction, alteration, repair, demolition, or improvement of any land, building, structure, facility, road, highway, bridge, or other public improvement suitable for and intended for use in the promotion of the public health, welfare, or safety and any maintenance programs for the upkeep of such projects

(b) for which appropriate or expenditure of moneys may be reasonably expected to be $500,000.00 or more in the aggregate for any fiscal year

(c) except any project that receives federal moneys.

3. Statement of Work

3.1. GENERAL: The Grand Junction Regional Communications Center, located at the Grand Junction Police Department, answers 911 calls from the community and provides dispatch services to 23 police, fire and EMS agencies in Mesa County, Colorado. This 24 hour a day, seven days a week operation is supported by a 50 member staff. Last year, they handled over 330,000 telephone calls and dispatched over 155,000 emergency and non-emergency calls for service. Their Incident Dispatch Team provides on-scene incident dispatch support by responding to major incidents, such as large brush fires or critical law incidents, and to special events, such as Country Jam or air shows.

3.2. PROJECT DESCRIPTION: Construction of three offices in the existing open work space.

3.3. SPECIAL CONDITIONS & PROVISIONS:

3.3.1 Mandatory Pre-Bid/Site Visit Meeting: **Prospective bidders are required to attend a mandatory pre-bid meeting on June 13, 2019 at 10:00am**. Meeting location shall be in the Public Safety Building, located at 555 Ute Ave., Grand Junction, CO. The purpose of this visit will be to inspect and to clarify the contents of this Invitation for Bids (IFB).

3.3.2 QUESTIONS REGUARDING SOLICIATION PROCESS/SCOPE OF WORK:

Duane Hoff Jr., Senior Buyer
City of Grand Junction
duaneh@gjcity.org

3.3.3 Project Manager: The Project Manager for the Project is Jim Stavast, Facilities Manager, who can be reached at (970)244-1569. During Construction, all notices, letters, submittals, and other communications directed to the City shall be addressed and mailed or delivered to:

City of Grand Junction
Department of Public Works and Planning
Attn: Jim Stavast, Project Manager
250 North Fifth Street
Grand Junction, CO 81501

3.3.4 Affirmative Action: The Contractor is not required to submit a written Affirmative Action Program for the Project.

3.3.5 Pricing: Pricing shall be all inclusive to include but not be limited to: all labor, equipment, supplies, materials, freight (F.O.B. Destination – Freight Pre-paid and Allowed to each site), travel, mobilization costs, fuel, set-up and take down costs, and full-time inspection costs, and all other costs related to the successful completion of the project.

The Owner shall not pay nor be liable for any other additional costs including but not limited to: taxes, shipping charges, insurance, interest, penalties, termination payments, attorney fees, liquidated damages, etc.

3.3.6 Freight/Shipping: All freight/shipping shall be F.O.B. Destination – Freight Pre-Paid and Allowed to the project site(s), Grand Junction, CO.

Contractor must meet all federal, state, and local rules, regulations, and requirements for providing such services.

3.3.7 Contract: A binding contract shall consist of: (1) the IFB and any amendments thereto, (2) the bidder's response (bid) to the IFB, (3) clarification of the bid, if any, and (4) the City's Purchasing Department's acceptance of the bid by "Notice of Award" or by "Purchase Order". All Exhibits and Attachments included In the IFB shall be incorporated into the contract by reference.

A. The contract expresses the complete agreement of the parties and, performance shall be governed solely by the specifications and requirements contained therein.

B. Any change to the contract, whether by modification and/or supplementation, must be accomplished by a formal contract amendment signed and approved by and between the duly authorized representative of the bidder and the City Purchasing Division or by a modified Purchase Order prior to the effective date of such modification. The bidder expressly and explicitly understands and agrees that no other method and/or no other document, including acts and oral communications by or from any person, shall be used or construed as an amendment or modification to the contract.

3.3.8 Time of Completion: The scheduled time of Completion for the Project is **45 Calendar Days** from the starting date specified in the Notice to Proceed.

Completion is achieved when site cleanup and all punch list items (resulting from the final inspection) have been completed. Completion shall have the meaning set forth in Article I, Section 3 (Definitions and Terms) of the General Contract Conditions.

3.3.9 Working Days and Hours: The working days and hours shall be as stated in the General Contract Conditions or as mutually agreed upon in the preconstruction meeting with the following exception:

All work shall be performed Monday-Friday between the hours of 7:00 AM to 5:00 PM.

3.3.10 Licenses and Permits: Contractor is responsible for obtaining all necessary licenses and permits required for Construction, at Contractors expense. See Section 2.12. Contractor shall supply to Owner all copies of finalized permits.

3.3.11 City Furnished Materials: The City will furnish the following materials for the Project:

- Door-hangers
- Detectable Warnings (Cast Iron Wet Set)

3.3.12 Project Newsletters: A newsletter for the Project will be prepared and distributed by the City. It will include general information about the Project including interruptions in utility services, street closures, parking restrictions, project schedule, and the names and telephone numbers of the contacts for the City and Contractor. The newsletter will be mailed approximately one week before the Contractor commences work.

The Contractor will be responsible for notifying all businesses and / or residents located adjacent to the work. Door hanger notifications shall be distributed at least two (2) working days prior to the day the work is scheduled to begin.

3.3.13 Project Sign: Project signs, if any, will be furnished and installed by the City.

3.3.14 Authorized Representatives of the City: Those authorized to represent the City shall include Purchasing Agent, Engineers, and Inspectors employed by the City, only.

3.3.15 Stockpiling Materials and Equipment: All stockpiling/storage shall be in accordance with General Contract Condition Section 51.

3.3.16 Traffic Control: The Contractor shall provide and maintain traffic control in accordance with the approved Traffic Control Plan and the Manual on Uniform Traffic Control Devices. A Traffic Control Plan shall be prepared by the Contractor and reviewed by the City two days prior to the pre-construction meeting.

3.3.17 Clean-Up: The Contractor is responsible for cleaning up all loose materials that have been deposited or swept into gutters, and onto sidewalks and driveways as a result of sidewalk operations. The costs for all clean-up work shall be considered incidental and will not be paid for separately.

3.3.18 Quality Control Testing: Supplier shall perform quality control testing on concrete. The City will perform all other necessary QA/QC.

3.3.19 Schedule of Submittals: Contractor shall deliver these submittals at least two days prior to the pre-construction meeting:

- Traffic Control Plans
- Project Schedule

3.3.20 Uranium Mill Tailings: It is anticipated that radioactive mill tailings will not be encountered on this Project.

3.3.21 Fugitive Petroleum or Other Contamination: It is anticipated that soil contamination from fugitive petroleum or other contaminants will not be encountered with the Project.

3.3.22 Excess Material: All excess materials shall be disposed in accordance with General Contract Condition Section 50.

3.3.23 Existing Utilities and Structures: Utilities were **not** potholed during design of this project. The location of existing utilities and structures shown on the Plans is approximate with the information gathered during design. It is the responsibility of the Contractor to pothole/locate and protect all structures and utilities in accordance with General Contract Condition Section 37.

3.3.24 Incidental Items: Any item of work not specifically identified or paid for directly, but which is necessary for the satisfactory completion of any paid items of work, will be considered as incidental to those items, and will be included in the cost of those items.

3.3.25 Survey: The Contractor shall give the City survey crew a minimum of 72 hours' notice for all requested survey.

3.3.26 Work to be Performed by the City (Prior to Construction):

- Piping of open ditch
- Storm inlet relocation
- Shoulder widening
- Sign removal and relocation

3.3.27 Existing Concrete Sidewalks, Pans, Fillets, Curbs and Gutters: The existing sidewalks, pans, fillets, curb and gutter are in good serviceable condition. In most instances the installation of new sidewalk and pavement will be adjacent to existing concrete. The Contractor will need to protect all concrete adjacent to construction. If the concrete is damaged during construction the Contractor will be responsible for its replacement at no cost to the City. The Contractor, the City Project Inspector, and/or the City Project Manager will walk and record any concrete that is deemed to be damaged before construction has started.

3.3.28 ACI Concrete and Flatwork Finisher and Technician: Hand finishing concrete will be permitted only when performed under the direct supervision of a craftsman holding the following certificate: ACI Concrete Flatwork Finisher and Technician (ACICFFT) or other Flatwork Finisher certification program approved by the City Engineering Manager.

3.4. SCOPE OF WORK:

General Conditions:

1. Contractor shall secure the required clearances and permits.

2. All personnel for the contractor and subcontractors, will be subject to a full back ground check before being allowed to work in the building. Any personnel that fail the background check ***will not*** be allowed in the building past the entry lobby.
3. Contractor is responsible for verifying all measurements and dimensions.
4. Hours of work are to be Monday through Friday, 8:00 am until 5:00 pm. Saturday work can be arranged if needed.
5. Phone and Data cabling terminations are to be done by Rocky Mountain Telecom separate from this scope of work.
6. Existing cubicles and furniture are to be removed by others.

General Construction:

1. Construct approximately 66 feet of new walls as shown on the drawing. New walls are to be 10 feet in height, 2” x 4” metal stud framing with 5/8” drywall.
2. All new walls are to have R-19 insulation for sound.
3. New walls are to be textured and painted to match existing.
4. The new east wall of room 2030A shall form a 90-degree angle with the south wall. Existing wall is 93 degrees.
5. Each of the new offices are to be roughly 9’-5”x10’ or roughly 94 square feet.
6. Ceiling height in new offices to be at 9 feet. Provide and install new ceiling grid and tiles. New grid shall be 2’ x 2’. Ceiling tile to be 2’ x 2’ drop in style like existing tiles, but not the spline type that is existing.
7. Supply and install doors and steel frames to match existing as closely as possible. Doors are to be 3’-0” with no sidelights.
8. Supply and install 12” tall by 48” wide dual pane windows with matching metal frames, at a height of 72”. To be centered in the north wall of each new office. Three windows total.
9. Supply and install mortise locksets to match existing. Supply lock cores keyed to the owner’s system. Mortise locksets are Sargent 8200 Series. Lock cores are Schlage Everest E11253 with R1 24 keyways.
10. Provide and install new carpet squares in two of the new offices, designated 2030B and 2031A. Carpet to match existing as closely as possible.
11. Use existing carpet squares from new office 2030B to cover vinyl flooring in the hallway. Return excess carpet to owner.
12. Existing cabinets in the S.W. corner of new office 2031A are to remain.
13. The second set of upper and lower cabinets just north of the column are to be removed for a new wall. The counter top shall be cut and end capped for the remaining base cabinets. The removed upper cabinet is to be re-installed above the copier.
14. All walls that construction work touches are to be repainted.

Electrical:

1. Relocate two existing strip lights to the newly created hallway. Lights to run parallel with the hallway. Return the extra light fixtures to the owner.
2. Use existing circuits for modular furniture and the power strip to power outlets in new offices.
3. Supply, wire, and install new troffer office lights, two in each office, to match existing as closely as possible.
4. Supply and install manual light switches. Lighting to be wired to meet code.

5. Remove existing furniture whip at south wall and install a double duplex outlet. This is a 4 11/16" square junction boxes.
6. Remove existing "multi outlet assembly" from the S.W. corner. Use one circuit to install double duplex receptacles at the existing junction box. Use the second circuit to install a new double duplex receptacle in the south wall toward the S.E. corner of the new office 2031A.
7. Install open back boxes where phone/data cables penetrate the walls in four existing locations. Leave cables for others to terminate.
8. Relocate the network clock to the new north wall, centered at the end of the intersecting hallway from the breakroom.

HVAC:

1. Modify existing A/C duct system to provide drops to each new office. Use the two existing air vents as supplies for offices 2030A and 2031A. Tap existing trunk for new drop to office 2030B. Try to attain 200 CFM to each office.
2. Provide supply air grills in the new ceiling grid to match existing.
3. Provide return air grills, matching existing, in the ceiling grid to return to the open space. Returns to be located along the south wall of each office.

Fire Systems:

1. Modify existing fire sprinkler system to add a fire sprinkler head centered in each office, or as required by the Fire Department.

Raise or relocate the existing horn/strobe as required by the Fire Department.

3.5. Attachments:

Appendix A: Floor plan with outlined area of work
Appendix B: Sketch of new floor plan
Appendix C: Existing electrical drawing
Appendix D: Existing HVAC drawing
Appendix E: Sargent Mortise Lock Document
Appendix F: Sherwin Williams ProMar 400 Document
Appendix G: Sheet 09 91 23 – Interior Paint Schedule
Appendix H: Sheet 09 93 00 – Interior Wood Finish System Schedule
Appendix I: Tandus Flooring Document

3.6. Contractor Bid Documents: For Contractor's convenience, the following is a list of forms/items to be submitted with the Contractor's bid response. However, should a form/item not be listed in this section, but required in the solicitation documents, it is the Contractor's responsibility to ensure all forms/items are submitted.

- Contractor's Bid Form
- Price Bid Schedule
- References

3.7. IFB TENTATIVE TIME SCHEDULE:

Invitation For Bids available	June 5, 2019
Mandatory Pre-Bid/Site Visit Meeting	June 13, 2019
Inquiry deadline, no questions after this date	June 18, 2019
Addendum Posted	June 19, 2019
Submittal deadline for proposals	June 21, 2019

Notice of Award & Contract execution	June 28, 2019
Bonding & Insurance Cert due	July 5, 2019
Preconstruction meeting	TBD
Work begins no later than	TBD
Final Completion	45 Calendar Days from Notice to Proceed

4. Contractor's Bid Form

Bid Date: _____

Project: IFB-4657-19-DH "Grand Junction Regional Communications Center Remodel"

Bidding Company: _____

Name of Authorized Agent: _____

Email _____

Telephone_____ Address_____

City_____State_____Zip_____

The undersigned Bidder, in compliance with the Invitation for Bids, having examined the Instruction to Bidders, General Contract Conditions, Statement of Work, Specifications, and any and all Addenda thereto, having investigated the location of, and conditions affecting the proposed work, hereby proposes to furnish all labor, materials and supplies, and to perform all work for the Project in accordance with Contract Documents, within the time set forth and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Contractor's Bid Form is a part.

The undersigned Contractor does hereby declare and stipulate that this offer is made in good faith without collusion or connection to any person(s) providing an offer for the same work, and that it is made in pursuance of, and subject to, all terms and conditions of the Instructions to Bidders, the Specifications, and all other Solicitation Documents, all of which have been examined by the undersigned.

The Contractor also agrees that if awarded the Contract, to provide insurance certificates within ten (10) working days of the date of Notification of Award. Submittal of this offer will be taken by the Owner as a binding covenant that the Contractor will be prepared to complete the project in its entirety.

The Owner reserves the right to make the award on the basis of the offer deemed most favorable, to waive any formalities or technicalities and to reject any or all offers. It is further agreed that this offer may not be withdrawn for a period of sixty (60) calendar days after closing time. Submission of clarifications and revised offers automatically establish a new thirty day (30) period.

Prices in the bid proposal have not knowingly been disclosed with another provider and will not be prior to award.

- Prices in this bid proposal have been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.
- No attempt has been made nor will be to induce any other person or firm to submit a bid proposal for the purpose of restricting competition.
- The individual signing this bid proposal certifies they are a legal agent of the offeror, authorized to represent the offeror and is legally responsible for the offer with regard to supporting documentation and prices provided.
- Direct purchases by the City of Grand Junction are tax exempt from Colorado Sales or Use Tax. Tax exempt No. 98-903544. The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.
- City of Grand Junction payment terms shall be Net 30 days.
- Prompt payment discount of _____ percent of the net dollar will be offered to the Owner if the invoice is paid within _____ days after the receipt of the invoice.

RECEIPT OF ADDENDA: the undersigned Contractor acknowledges receipt of Addenda to the Solicitation, Specifications, and other Contract Documents.

State number of Addenda received: _____.

It is the responsibility of the Bidder to ensure all Addenda have been received and acknowledged.

By signing below, the Undersigned agree to comply with all terms and conditions contained herein.

Company: _____

Authorized Signature: _____

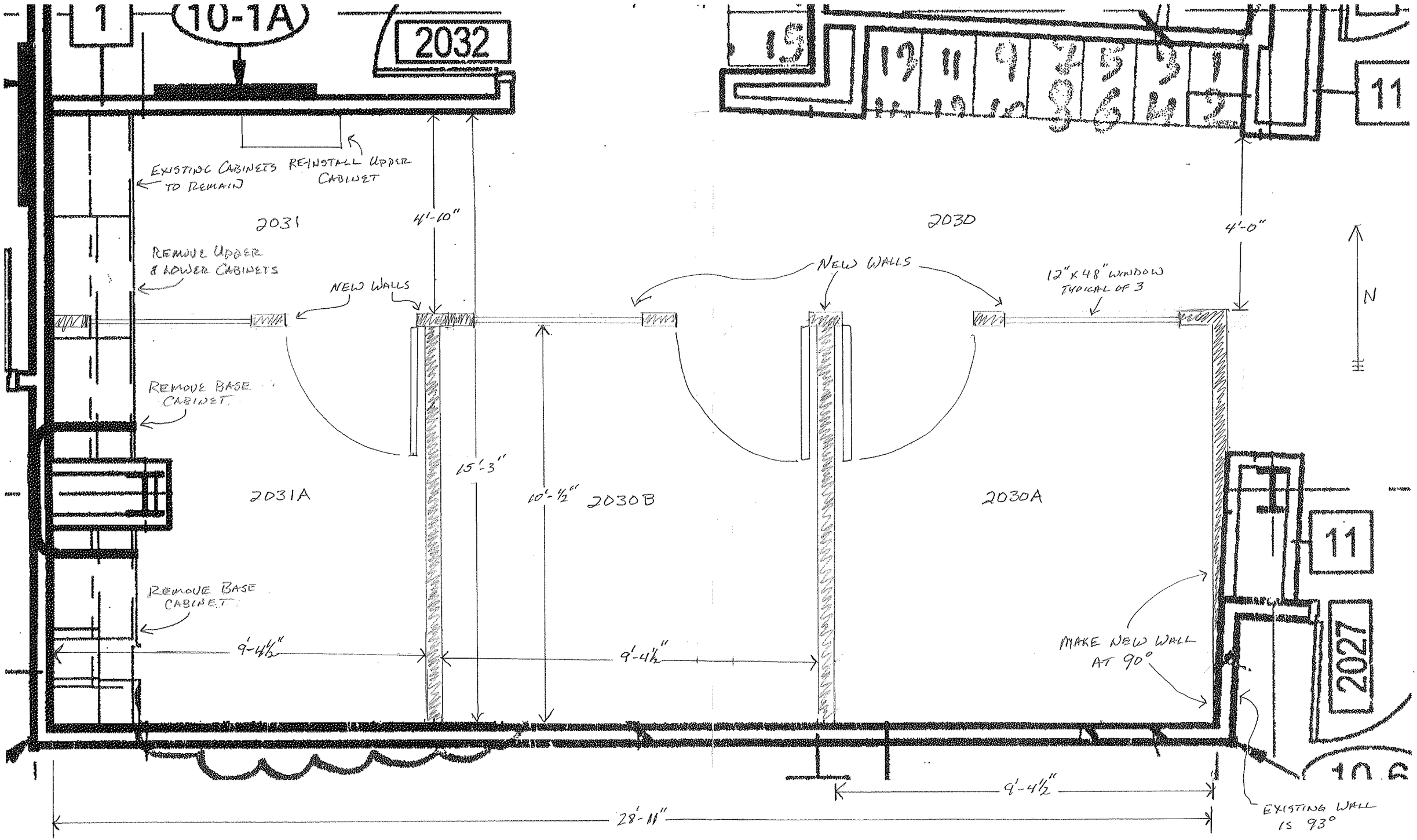
Title: _____

The undersigned Bidder proposes to subcontract the following portion of Work:

Name & address of Sub-Contractor	Description of work to be performed	% of Contract

The undersigned Bidder acknowledges the right of the City to reject any and all Bids submitted and to waive informalities and irregularities therein in the City's sole discretion.

By submission of the Bid, each Bidder certifies, and in the case of a joint Bid each party thereto certifies as to his own organization, that this Bid has been arrived at independently, without collusion, consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor.



GJRCC ADMINISTRATION REMODEL

GENERAL NOTES

1. ALL INTERIOR PARTITIONS ARE TYPE 1, UNO. REFERENCE SHEET A3-4 FOR WALL TYPES & CONSTRUCTION.
2. INTERIOR DIMENSIONS ARE TO F.O. STUD, UNO.
3. EXTERIOR DIMENSIONS ARE TO F.O. STUD, MASONRY, OR CONC, UNO.
4. REFERENCE ROOM FINISH SCHEDULE, SHEET A5-1, FOR INTERIOR FINISHES.
5. USE MOISTURE RESISTANT GWB IN WET AREAS.

KEYNOTES

09-28	PNT8 TO 7'-4" AFF
10-1A	MARKER BOARD 4'W x 3'H
10-1B	MARKER BOARD 5'W x 4'H
10-2A	TACK BOARD 4'W x 4'H
10-2C	TACK BOARD 8'W x 4'H
10-6	CORNER GUARD
10-8	FIRE EXTINGUISHER CABINET
10-20	6' LONG MAP RAILS @ 88" AFF
10-21	SOUND ABSORBING WALL UNITS
10-22	RECESSED GUN LOCKER
10-28	WALL TALKERS VWC6-18'W
10-29	WALL TALKERS VWC8-20'W
10-32	WALL TALKERS VWC7-8'W
10-33	WALL TALKERS VWC7-12'W
10-34	WALL TALKERS VWC7-20'W
10-35	TYPE K FIRE EXTINGUISHER AND CABINET
10-38	SUNSHADE BELOW
10-39	MAP RAIL MOUNTED AT 8'-0"AFF
11-7	RANGE HOOD [REF MECH]
11-15	FUME HOOD
11-17	
11-18	
22-9	OVERFLOW DRAIN [REF PLBG]
22-14	PARAPET DRAIN [REF PLBG]
26-5	
26-6	

FLOOR PLAN - SECOND FLOOR AREA A
1/8" = 1'-0"
NORTH

BLYTHE GROUP co.
The Art & Science of Construction
416 Rood Avenue
Grand Junction, CO 81501
office: 970.242.1058
www.theblythegroup.com

• Architecture
• Planning
• Project Management
• Interiors

AECOM

GRAND JUNCTION PUBLIC SAFETY FACILITIES: 911 REGIONAL COMMUNICATION CENTER AND POLICE BUILDING

555 UTE AVENUE
GRAND JUNCTION, CO
81501

FLOOR PLAN - SECOND FLOOR AREA A

FOR CONSTRUCTION

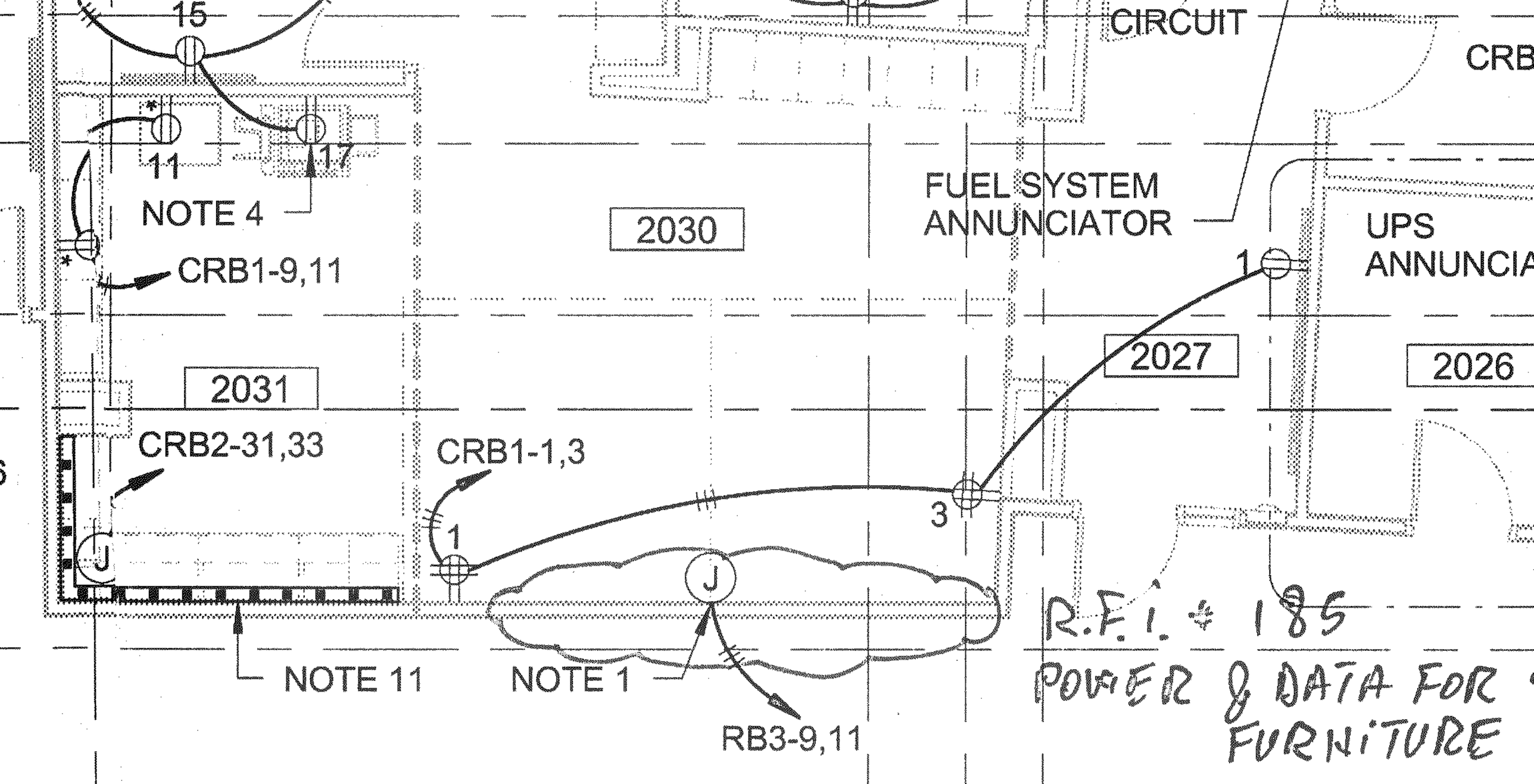
REVISIONS	DATE:
4 ADD 04	07/08/11

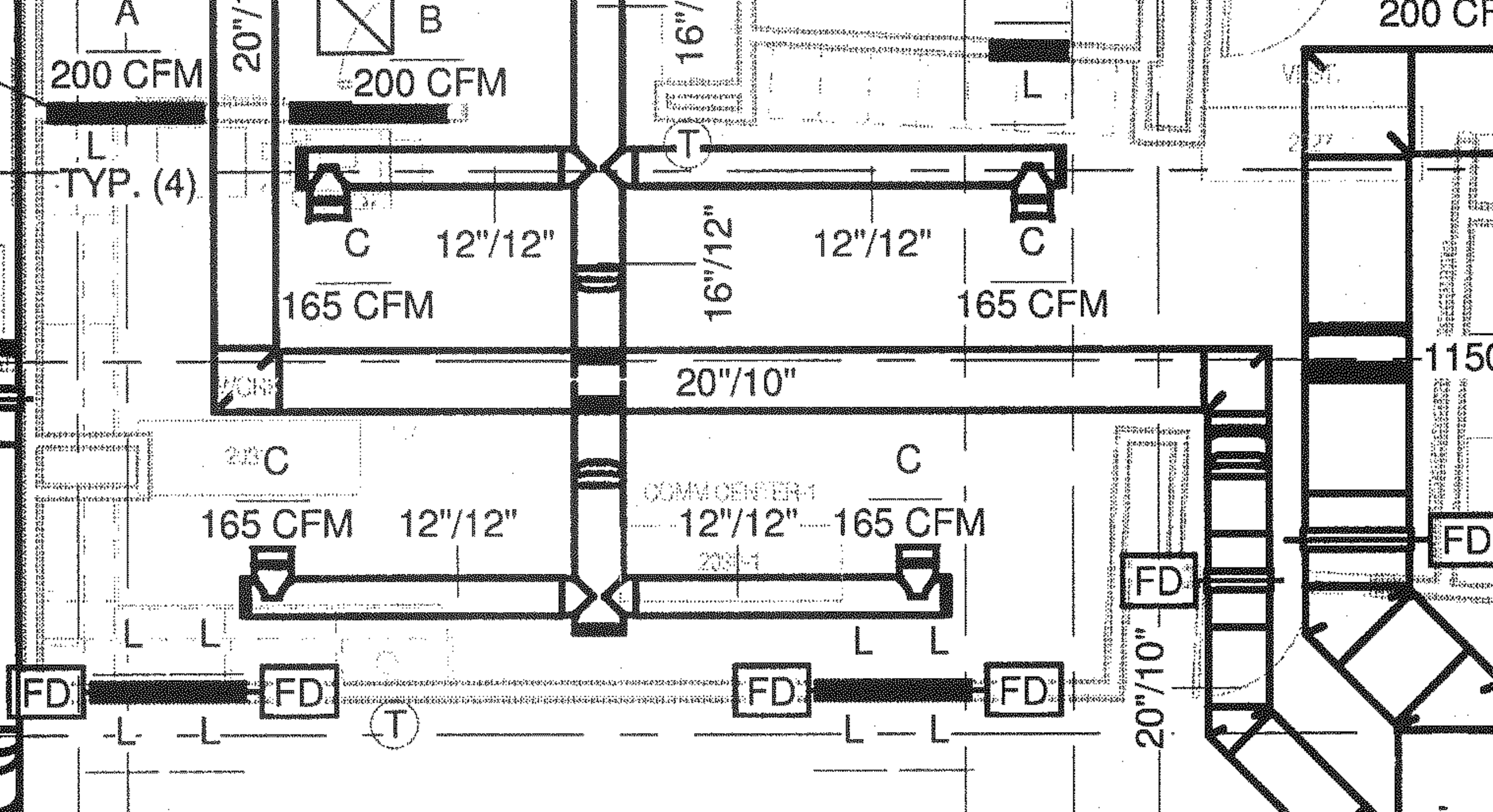
DATE: 07/26/11
PROJECT #: 1031-1
SHEET #:

A1-3

Project Team:
Print Date: 7/26/2011 9:52:15 PM

SEE R.F.I. #7 FOR ROOF DRAINS


15
CIRCUIT
CRB
11
17
NOTE 4
FUEL SYSTEM
ANNUNCIATOR
UPS
ANNUNCIA
2030
CRB1-9,11
1
2027
2026
2031
CRB2-31,33
CRB1-1,3
3
1
J
J
NOTE 11
NOTE 1
RB3-9,11
R.F.I. # 185
POWER & DATA FOR
FURNITURE


A
200 CFM
L
TYP. (4)
B
200 CFM
20"/10"
16"/12"
L
T
C
12"/12"
165 CFM
16"/12"
12"/12"
C
165 CFM
20"/10"
C
165 CFM
12"/12"
12"/12"
165 CFM
C
L L
L L
FD
FD
T
FD
FD
L L
L L
FD
20"/10"
1150

7800/8200 Mortise Locks
Features and Specifications

SARGENT
1-800-727-5477

SARGENT Mortise Locks are designed with high quality components to provide high security, performance, and durability. SARGENT Mortise Locks are the result of over a century of experience in manufacturing hardware. This catalog features our 7800 Mortise Knob Locks and 8200 Mortise Lever Locks engineered with the following standard features:

- Non-handed lock, easily re-handed without opening the lockbody
- Non-handed stainless steel guardbolt
- Non-handed stainless steel latchbolt one-piece anti-friction design with 3/4" (19mm) throw
- Stainless steel deadbolt with 1" (25mm) projection and hardened steel rollers
- Lockbody case and cap made of 12 gauge heavy duty steel to resist lock disformation and vandalism
- Inside front full 1/8" (3mm) cold rolled steel to resist vandalism of latchbolt and deadbolt
- Non-handed curved lip strike-one strike for all functions
- Replaceable hubs and spring cartridge for long cycle life
- All lever and knob trims are thru-bolted for increased security and durability
- Fewer parts in lockbody and trim to facilitate servicing
- Spindles are designed to break only under excessive force. Break away action prevents lock or lever damage (replaceable)

Specifications

For Doors	1 3/4" (44mm) thick standard. For doors over 1 3/4" (44mm), specify door thickness and panels (if any)
Backset	2 3/4" (70mm) only
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")
Outside Front Plate	Brass, bronze and stainless steel. 8" (203mm) x 1 1/4" (31mm), ANSI Standard A115.1. Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)
Springs	High carbon steel
Hubs for Knobs	Sintered iron copper infiltrated
Hubs for Levers	Cold forged steel
Hubs for Institutional	Stainless steel (prefix 3-)
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latchbolt. Meets all performance and dimensional specifications of ANSI A156.13 Series 1000 Grade 1
Guardbolt	Stainless steel, non-handed
Deadbolt	Stainless steel, with hardened steel rollers standard 1" (25mm) projection
Hand	Specify hand on order; easily field reversible (if no hand is specified RH will be provided)
Strike	Stamped brass, bronze or stainless steel; ANSI Standard A115.1; curved lip, non-handed (strike box optional)
Keys	Two, nickel silver (control key or emergency key must be ordered when required)
Cylinder	Brass, size #41 standard. Also available with SARGENT Signature, V-10, and KESO Security Systems
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction key available
Finishes	3, 4, 9, 10, 10B, 10BL, 20D, 26, 26D, 32, 32D (See chart on prefix page for BHMA#'s)
Vandal Resistant Freewheeling Trim	Available in functions 04, 17, 24, 25, 26, 31, 35, 37, 50, 65, 66, 71, 73, 85, 86, 87
Push/Pull Trim	Functions available: 04, 15, 16, 17, 24, 26, 37, 43, 45, 50, 65
Security Classrooms	38, 39, 40, 41 Functions
Stile	4 1/4" minimum stile for 7800/8200. 4 1/2" minimum stile for electrical function locks
Warranty	One-year limited

Certification Compliance

ANSI	ANSI Meets A156.13 Operational Grade 1 Series 1000 and Security Grade 1 with all standard trims. ANSI/ASTM F476-84 Grade 40 with concealed mortise cylinder
Note	Removable and Interchangeable Core Cylinders do not meet Security Grade 1 requirements.
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8
UL	UL and UL Listed to Canadian safety standards for A label (3 hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing
Positive Pressure	Meets positive pressure requirements UL 10C and UBC 7-2 (1997) Single 4' x 10' and double 8' x 8'
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face.
Hurricane Codes	Consult factory for details
USA	Complies with Buy American Act

7800/8200 Mortise Locks
Features

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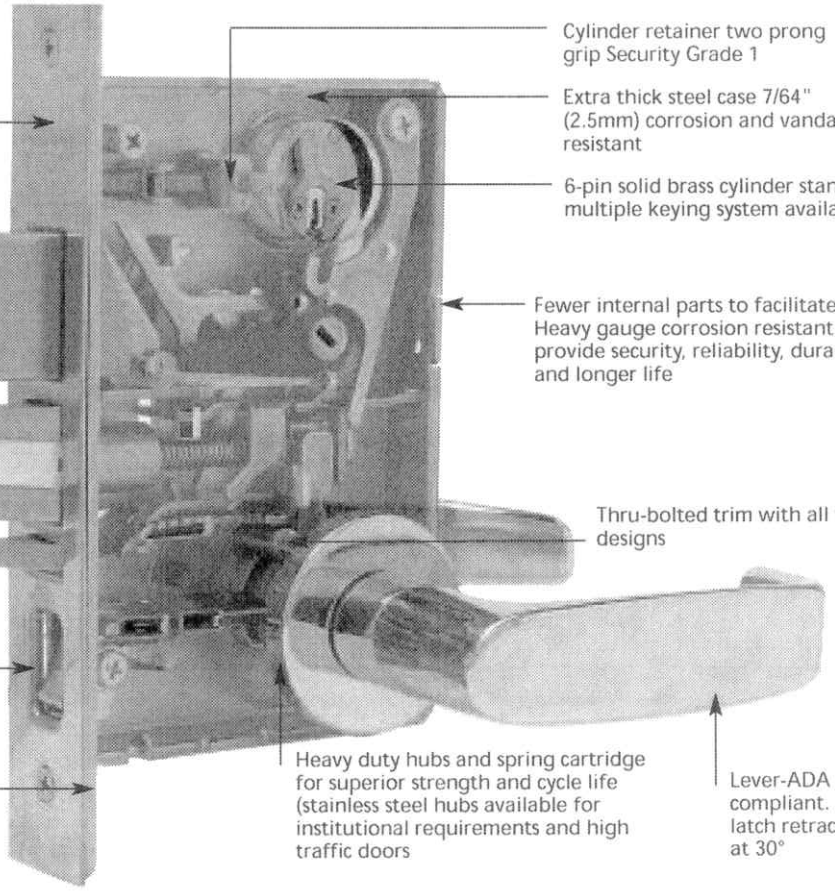


Outside front plate 1/16" brass, bronze or stainless steel. Adjustable for door bevels from flat to 1/8" (3mm) in 2" (51mm)

1" (25mm) projection stainless steel deadbolt with hardened steel rollers. Exceeds Security Grade 1

3/4" (19mm) projection stainless steel one-piece latchbolt, reversible without opening case. Anti-friction piece is securely staked in place for quiet operation and prevents scratching of strike plate

Non-handed stainless steel guardbolt

Toggle

Inside front full 1/8" (3mm) cold rolled steel holds lock securely in door.

8243 LNL Shown

Cylinder retainer two prong grip Security Grade 1

Extra thick steel case 7/64" (2.5mm) corrosion and vandal resistant

6-pin solid brass cylinder standard; multiple keying system available

Fewer internal parts to facilitate service. Heavy gauge corrosion resistant parts provide security, reliability, durability and longer life

Thru-bolted trim with all trim designs

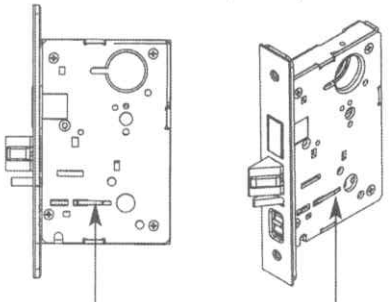
Heavy duty hubs and spring cartridge for superior strength and cycle life (stainless steel hubs available for institutional requirements and high traffic doors

Lever-ADA compliant. Full latch retraction at 30°

Changing Lock Hand (standard)

If it is necessary to change hand of locking piece

1. Turn lockbody to side NOT marked with red locking piece.
2. Insert blade type screwdriver into locking piece slot.
3. Push locking piece toward front of lock body and rotate 180° until RED shows.
4. RED indicates locked (outside) side.

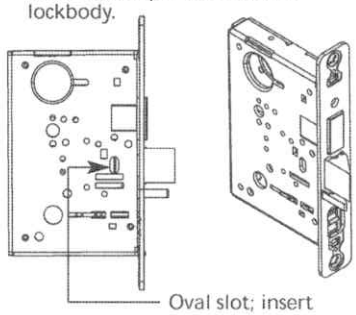


Locking piece slot

Red color indicates locked side of door or hold back side (91 and 92 Functions)

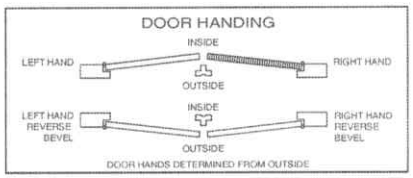
If it is necessary to change hand of latchbolt

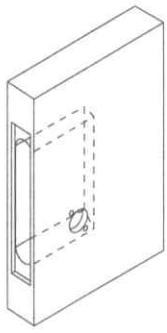
1. Insert blade type screwdriver into oval slot behind latchbolt.
2. Push latchbolt out until back of bolt clears lockbody front.
3. Rotate latchbolt 180° until the latchbolt drops back into the lockbody.



Oval slot; insert screwdriver here

Door Handing





Door Preparation

Standard

*Trim holes vary - see templates

7800/8200 Mortise Locks
Lever and Rose Designs

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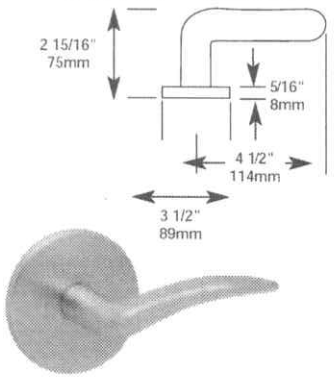
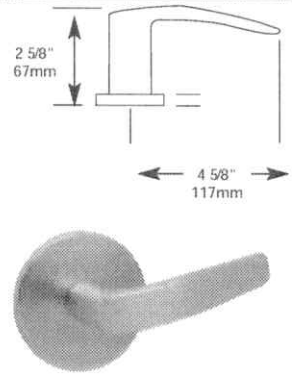
- All lever designs can be used with L or LN rose designs
- Levers A, B, E, F, L, P - Forged or cast
- Levers J and W solid

LA
Rose: L Lever: A

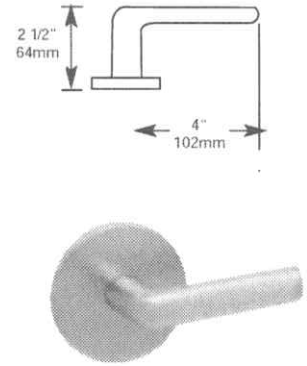


"A" Lever- must specify hand

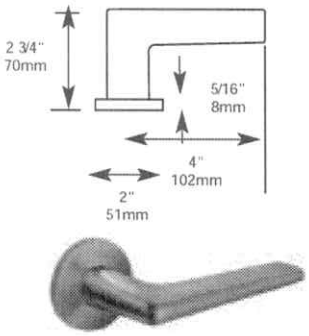
LB
Rose: L Lever: B



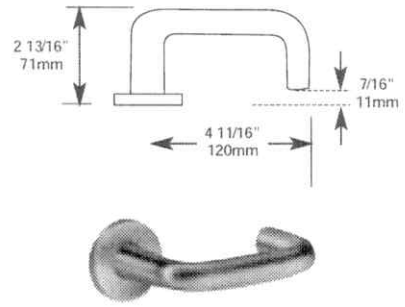
LE
Rose: L Lever: E



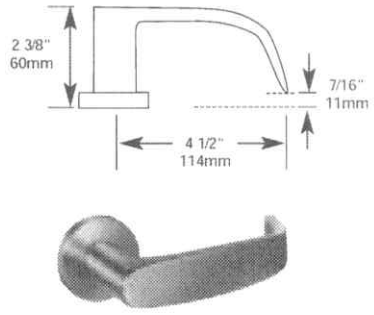
LNF
Rose: LN Lever: F



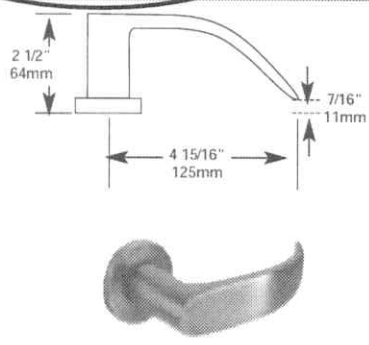
LNJ
Rose: LN Lever: J



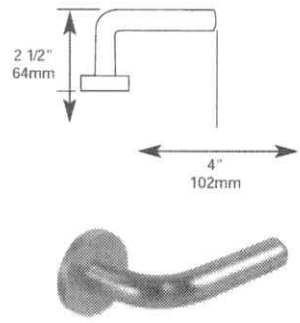
LNL
Rose: LN Lever: L



LNP
Rose: LN Lever: P



LNW
Rose: LN Lever: W



7800/8200 Mortise Locks
Functions

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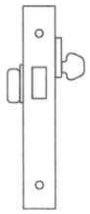
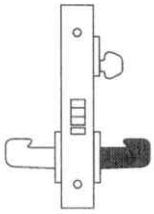
03 Classroom Deadlock



- Deadbolt operated from outside by key
- Thumb turn lever inside retracts deadbolt only, but will not project it

ANSI	8200 Levers	7800 Knobs
^	8203	N/A

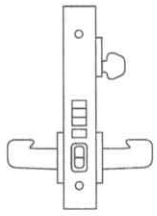
*• 04 Storeroom or Service



- Guardbolt deadlocks latchbolt
- Latchbolt retracted by trim inside or key outside
- Outside trim rigid at all times

ANSI	8200 Levers	7800 Knobs
F07	8204	7804

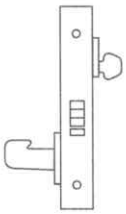
05 Office



- Guardbolt deadlocks latchbolt
- Latchbolt retracted by either trim unless outside trim is locked by toggle in lock front
- Key outside retracts latchbolt when outside trim is locked

ANSI	8200 Levers	7800 Knobs
F04	8205	7805

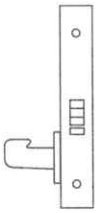
06 Storeroom or Service



- Guardbolt deadlocks latchbolt
- Latchbolt retracted by trim inside or key outside
- Outside cylinder only

ANSI	8200 Levers	7800 Knobs
^	8206	7806

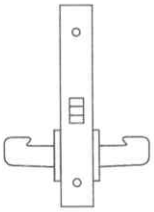
13 Exit Latch



- Guardbolt deadlocks latchbolt
- Latchbolt retracted by trim inside
- No outside trim

ANSI	8200 Levers	7800 Knobs
^	8213	7813

•15 Passage



- Latchbolt retracted by either trim

ANSI	8200 Levers	7800 Knobs
F01	8215	7815

If shaded, knob or lever rigid at all times

^ANSI does not list this function

*Available with Freewheeling Trim

• Available with Push/Pull Trim

Caution: Double cylinder functions not recommended on any door used for life safety egress

7800/8200 Mortise Locks
Functions

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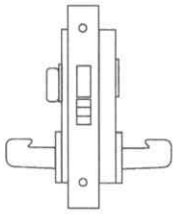
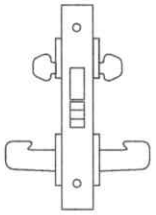
*• 24 Storeroom and *25 Dormitory



- Latchbolt retracted by either trim
- Deadbolt operated from outside by key, inside by thumb turn lever
- When deadbolt is projected, outside trim is automatically locked
- **25 function only** – Operating inside trim automatically retracts latchbolt and deadbolt unlocks outside trim

ANSI	8200 Levers	7800 Knobs
F21	8224	7824
F13	8225	7825

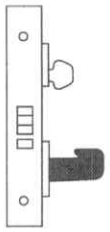
*• 26 Storeroom



- Latchbolt retracted by either trim
- Deadbolt operated from either side by key
- Both inside and outside trim do not retract deadbolt

ANSI	8200 Levers	7800 Knobs
F14	8226	7826

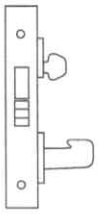
*31 Utility



- Guardbolt deadlocks latchbolt
- Latchbolt retracted by key outside
- Outside trim rigid at all times
- No inside cylinder or trim

ANSI	8200 Levers	7800 Knobs
^	8231	7831

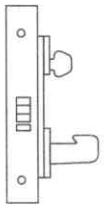
*35 Storeroom



- Deadbolt operated from outside by key
- Latchbolt retracted by outside trim except when deadbolt is projected, out side trim is automatically locked
- No inside cylinder or trim

ANSI	8200 Levers	7800 Knobs
^	8235	7835

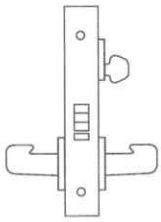
36 Closet



- Guardbolt deadlocks latch bolt
- Latchbolt retracted by outside trim
- Key outside lock or unlocks outside trim
- No inside cylinder or trim

ANSI	8200 Levers	7800 Knobs
^	8236	7836

*• 37 Classroom



- Guardbolt deadlocks latchbolt
- Latchbolt retracted by either trim unless outside trim is locked by key
- Key outside locks or unlocks outside trim
- Inside trim always operative
- Latchbolt can be retracted by key in locked position

ANSI	8200 Levers	7800 Knobs
F05	8237	7837

If shaded, knob or lever rigid at all times

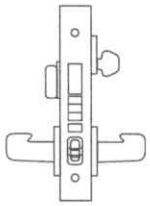
^ANSI does not list this function

*Available with Freewheeling Trim

• Available with Push/Pull Trim

Caution: Double cylinder functions not recommended on any door used for life safety egress

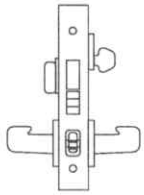
• 43 Dwelling Entrance



- Guardbolt deadlocks latchbolt
- Latchbolt retracted by either trim unless outside trim is locked by toggle in lock front
- Deadbolt operated by key outside, thumb turn lever inside
- Key outside retracts both latchbolt and deadbolt
- When deadbolt is projected, outside trim is automatically locked
- Operating inside trim automatically retracts latchbolt and deadbolt with outside trim remaining locked

ANSI	8200 Levers	7800 Knobs
F20	8243	7843

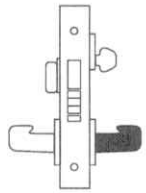
• 45 Dwelling Entrance



- Latchbolt retracted by either trim unless outside trim is locked by toggle in lock front
- Deadbolt operated by key outside, thumb turn lever inside
- Key outside retracts both latchbolt and deadbolt
- When deadbolt is projected, outside trim is automatically locked
- Operating inside lever automatically retracts latchbolt and deadbolt with outside trim remaining locked

ANSI	8200 Levers	7800Knobs
F12	8245	7845

*• 50 Hotel

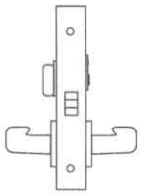


- Guardbolt deadlocks latchbolt
- Latchbolt retracted by key outside or trim inside
- Outside trim always rigid
- Projecting deadbolt from inside by thumb turn lever or emergency key outside when door is closed, shuts out all keys except emergency key
- Inside trim retracts latchbolt and deadbolt simultaneously
- When deadbolt is projected by inside turn, button cannot be pushed in (indicating room is occupied). Specify when ordering. (Example 50-8150)
- Not available with interchangable core

ANSI	8100/8200 Levers	7700/7800 Knobs
F15	8250	7850

(50-prefix—7700 and 8100 locks only)
NOTE: 2 3/4" door thinkness maximum

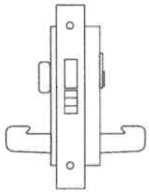
*• 65 Bathroom/Privacy



- Latchbolt retracted by either trim
- Thumb turn lever automatically locks outside lever
- Operating inside trim automatically retracts latchbolt unlocking outside trim
- Outside emergency release unlocks out side trim.
- Will automatically unlock when door latches

ANSI	8200 Levers	7800 Knobs
F22	8265	7865

*66 Bathroom/Privacy

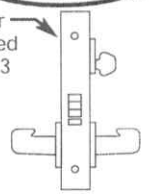


- Latchbolt retracted by either trim
- Deadbolt operated from outside by emergency release, inside by thumb turn lever
- When deadbolt is projected, outside trim is automatically locked
- Operating inside trim automatically retracts latchbolt and deadbolt unlocking outside trim
- Outside emergency release unlocks outside trim

ANSI	8200 Levers	7800 Knobs
F19	8266	N/A

70, 71, 72, 73 Electrical

This cylinder only provided on 72 and 73 function



- Guardbolt deadlocks latchbolt
- Key retracts latchbolt when trim is locked electrically
- Power off-unlocks outside trim (70)
- Power off-locks outside trim (71)
- Power off-unlocks inside and outside trim (72)
- Power off-locks inside and outside trim (73)
- 24DVC regulated or 24VAC rectified (must not exceed 26.2 volts)
- See Electrical Product Systems Manual for additional information

ANSI	8200 Levers	7800 Knobs
	8270	Consult Factory
	8271	Consult Factory
	8272	Consult Factory
	8273	Consult Factory

If shaded, knob or trim rigid at all times

*Available with Freewheeling Trim

• Available with Push/Pull Trim

Mechanical Options:

Available mechanical options by lock type

Categories	How to Specify	Detailed Description	8200	R8200	7800
1-3/8" Door	1-	1-1/16" (27mm) wide front for 1-3/8" (35mm) doors (not available with RX-Option) (1- for 93 + 94 function is a special order)	X	-	X
Add Strength	3-	Stainless steel hubs with in the mortise lock	X	-	
Strike Option	23-	4-7/8" (124mm) ANSI flat lip strike	X	X	X
	OBS-	Open back strike	X	X	X
	WBS-	Wrought box strike	X	X	X
Thick Doors	31-	For doors 1-7/8" (48mm) to 2-1/4" (57mm) thick – see cylinder options for limitations on door thickness. When ordering the following information is required: Location of lock within the door, door thickness -IF PANELED -must specify panel thickness & panel location (inside or outside of the door) For doors thicker than 2-1/4" -consult factory.	X	X	X
Security Fasteners	36-	6 Lobe head security screws (Torx® type)	X	-	X
	37-	Spanner head security screw (not available with Studio levers)	X	-	X
Visual Indicators	49-	Visual Status Indicator or Occupancy indicator with emergency release (not available with escutcheon trim; see page 20 for details)	X	X	X
	50-	Secured indicator rose (available with rose trim only; see page 20)	X	-	X
Electrical Options	DX-	Deadbolt monitoring -Monitor deadbolt position (not available with LX-)	X	X	X
	LX-	Latchbolt monitor -Monitors latchbolt position (not available with deadbolt functions)	X	X	X
	RX-	Request to Exit -Monitors each lever independently (not available with LB-option)	X	X	X
	TL-	SARGuide illuminated inside WT trim with the word EXIT illuminated (4-1/2" pocket depth required)	X	-	-
Lever/Knob Combination	68-	8200 Lock furnished w/lever handle outside x knob inside (not available with the AV-Option or FE Trim)	X	-	-
	69-	8200 Lock furnished w/lever handle inside x knob outside (not available with the AV-Option or FE Trim)	X	-	-
Lead Lining	74-	Lead lining or wrapping available with sectional trim only (not available with DX-or LX- Options)	X	-	X
Tactile Warnings	75-	Tactile Warning -Milled levers or knurled knobs. Inside trim only (not available with Studio & Coastal levers, the A Lever & K, N & D knobs)	X	-	X
	76-	Tactile Warning -Milled levers or knurled knobs. Outside trim only (not available with Studio & Coastal levers, the A Lever & K, N & D Knobs)	X	-	X
	77-	Tactile Warning -Milled levers or knurled knobs. Inside & outside trim (not available with Studio & Coastal levers, the A Lever & K, N & D knobs)	X	-	X
	85-	Tactile Warning -Abrasive coating inside trim only (not available with D knobs)	X	X	X
	86-	Tactile Warning -Abrasive coating outside trim only (not available with D knobs)	X	X	X
	87-	Tactile Warning -Abrasive coating inside & outside trim (not available with D knobs)	X	X	X
Anti-Vandal Trim	AV-	Anti-Vandal pull trim (not available with LS & FE trim and Options 1-, 31-, 49-, 50-, 68-, 69-, 76-, 77-, 86-, 87-, DX-or SG-)	X	-	X
Finish Protection	CPC-	Clear Powder Coat (available for 32 & 32D finishes)	X	X	X
	SG-	MicroShield® antimicrobial clear powder coat	X	X	X
Larger Turn	LB-	ADA Extra large thumbturn: the design supplied is based trim ordered (Std-130LB, traditional-130LT & contemporary- 130LC)	X	X	X

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SHERWIN WILLIAMS.

101.21

PROMAR® 400

INTERIOR LATEX EG-SHEL

B20W4400 SERIES

As of 09/22/08, Complies with:			
OTC	Yes	LEED® CIv2.0	Yes
SCAQMD	No	LEED® NCv2.2	Yes
CARB	Yes	LEED® CSv2.0	Yes
MPI Spec #	44	LEED® H	Yes
NAHB	Yes		

CHARACTERISTICS

ProMar 400 Interior Latex Eg-Shel is a durable, professional quality, interior vinyl acrylic finish for use on walls, ceilings, and trim of primed plaster, wallboard, wood, masonry, and primed metal.

Color: most colors
Coverage: 350 - 400 sq ft/gal @ 4 mils wet; 1.3 mils dry
Drying Time, @ 77°F, 50% RH: temperature and humidity dependent
Touch: 1 hour
Recoat: 4 hours
Finish: 15-20 units @ 85°
Flash Point: N/A
Tinting with Blend-A-Color:

Base	oz/gal	Strength
Extra White	0-4	100%
Deep Base	4-12	100%

Vehicle Type: Vinyl Acrylic
B20W04451
VOC (less exempt solvents): 88 g/L; 0.73 lb/gal
Volume Solids: 32 ± 2%
Weight Solids: 47 ± 2%
Weight per Gallon: 10.7 lb

SPECIFICATIONS

Block
1 ct. Loxon Block Surfacer
2 cts. ProMar 400 Interior Latex Eg-Shel

Drywall
1 ct. ProMar 400 Latex Primer
2 cts. ProMar 400 Interior Latex Eg-Shel

Plaster
1 ct. Premium Wall & Wood Primer
2 cts. ProMar 400 Interior Latex Eg-Shel

Masonry
1 ct. Loxon Concrete & Masonry Primer
2 cts. ProMar 400 Interior Latex Eg-Shel

Wood
1 ct. Premium Wall & Wood Primer
2 cts. ProMar 400 Interior Latex Eg-Shel

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer.

Drywall
Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block
All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

continued on back

101.21

PROMAR® 400

INTERIOR LATEX EG-SHEL

B20W4400 SERIES

SHERWIN WILLIAMS.

SURFACE PREPARATION

Plaster
Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood
Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

Mildew
Remove before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Caulking
Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

APPLICATION

Apply at temperatures above 50°F.
No reduction needed.
Brush
Use a nylon/polyester brush.
Roller
Use a 3/8" - 3/4" nap synthetic cover.
Spray—Airless
Pressure ..... 2000 psi
Tip ..... .017"-.021"

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

CAUTIONS

For interior use only.
Protect from freezing.
Non-photochemically reactive.

Label Caution
CAUTION contains CRYSTALLINE SILICA. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.
HOTW 09/22/2008 B20W04451 14 00

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Sheet.

3.5 CLEANING AND PROTECTION

A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

B. After completing finish application, clean spattered surfaces. Remove spattered materials by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

C. Protect work of other trades against damage from finish application. Correct damage by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.

D. At completion of construction activities of other trades, touch up and restore damaged or defaced finished wood surfaces.

3.6 INTERIOR WOOD-FINISH-SYSTEM SCHEDULE

A. Exposed Rough Carpentry Substrates:

1. Polyurethane Varnish Over Stain System: MPI INT 6.2J.
    a. Stain Coat: Interior wood stain (semitransparent).
    b. "MPI Manual" requires three finish coats for a Premium Grade system and two finish coats for a Custom Grade system.
    c. Three Finish Coats: Interior, oil-modified, clear urethane (MPI 57).
2. Polyurethane Varnish System: MPI INT 6.2H.
    a. Three Finish Coats: Interior, oil-modified, clear urethane (MPI 57).

B. Exposed Wood Panel-Product Substrates and Wood Doors:

1. Conversion Varnish Over Stain System: similar to MPI INT 6.4E (Sherwin-Williams E84F82).
    a. Stain Coat: Interior wood stain (semitransparent).
    b. Three Finish Coats: Interior, oil-modified, clear urethane (MPI 57).
2. Conversion Varnish System (no stain): similar to MPI INT 6.4.J(Sherwin-Williams E84F82).
    a. One Factory-Applied Finish Coat: Matching field-applied finish coats.
    b. Two Field-Applied Finish Coats: Interior, oil-modified, clear urethane (MPI 57).
3. Semitransparent Stain System: MPI INT 6.4C.
    a. Two Stain Coats: Interior semitransparent stain (solvent based).

3.7 SCHEDULE

A. Maple doors, base, and trim: stain and finish to match Architect's sample.

END OF SECTION 09 93 00

1. Institutional Low-Odor/VOC Latex System: MPI INT 9.2M.

    a. Prime Coat: Interior latex primer/sealer. S-W Harmony Low Odor Interior Latex Primer, B11W900.
    b. Intermediate Coat: Institutional low-odor/VOC interior latex matching topcoat. S-W Harmony Low Odor Interior Latex Semi-Gloss, B10 Series (4 mils wet, 1.3 mils dry per coat).
    c. Topcoat: S-W Harmony Low Odor Interior Latex Semi-Gloss, B10 Series (4 mils wet, 1.3 mils dry per coat).

K. Gypsum Board Substrates at Rooms 1002, 1002A, and 1003:

1. Wolf Gordon Scuffmaster paint.

3.7 COLOR SCHEDULE

A. All paints scheduled below are Sherwin Williams.

1. PNT: SW7029 Agreeable Gray.
2. PNT1: SW7538 Tamarind.
3. PNT2: SW6089 Grounded.
4. PNT3: SW6235 Foggy Day.
5. PNT4: SW7728 Green Sprout.
6. PNT5: SW7538 Tamarind.
7. PNT6: SW0024 Curio Gray.
8. PNT7: SW6235 Foggy Day.
9. PNT8: SW7729 Edamame.
10. PNT9: SW6236 Grays Harbor.
11. PNT10:SW7058 Magnetic Gray.
12. PNT11: Sherwin Williams H1000. Color to be selected.
13. PNT12: Wolf Gordon Scuffmaster Ambient Metallic G 7581867, QG 101.
14. PNT13: Wolf Gordon Scuffmaster Ambient Metallic G 7581866, QG 100.
15. PNT14: SW7606 Blue Cruise.
16. PNT15: SW6109 Hopsack.
17. PNT16: SW7067 Cityscape.

END OF SECTION 09 91 23

Tandus FLOORING

PIETRA #03101

Product Specification Sheet

Face Construction	Imperial	Metric
Construction	Stratatec® Patterned Symtex®	
Face Weight	23 oz/sq yd	779.7 g/sq m
Gauge	5/64	50.4 rows/10 cm
Stitches per Inch	9.6	37.8 pu/10 cm
Pile Height Average	0.187 inch	4.7 mm
Fiber System	XTI® Nylon	
Dye Method	50% Solution Dyed / 50% Yarn Dyed	
Soil/Stain Protection	Ensure	10.9 Kilotex
Primary Tufting Substrate	Synthetic Non-Woven	
Pattern Repeat	N/A	

Third Party Environmental Certifications

	Product	Recycled Content		NSF 140-2007
		Overall	Post-Consumer	
Certified	ER3® Modular	44-65%	10%	Platinum
Certified	Powerbond® ethos™ Cushion	36-61%	18%	Platinum
Certified	Powerbond® ER3® Cushion	39-59%	10%	Platinum
Certified	ethos™ Modular	26-50%	10%	Platinum
Certified	Flex-Aire™ Cushion Modular	15-33%		

**Recycled content certified by SCS and varies by product style.

Product Testing/Information

Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)
Electrostatic Propensity	1.9 kV (AATCC 134); Permanent Conductive Fiber
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)
Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
Smoke Generation	Less than 450 (ASTM E-662)

Installation Methods

Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick
Wet Spread	Backing specific Tandus Adhesives
Installation Method	Monolithic

Product Notes

1. Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice. Colors may vary slighlty from dye lot to dye lot.
2. U.S. Patent numbers: 4,849,297; 4,49,267; 5,728,741; 5,855,981; 5,914,353; 6,406,574
3. The use of chair pads under roller caster chairs may be required in order to maintain full limited warranty coverage. Please refer to the applicable limited warranty verbiage for specific requirements. In all cases, chair pads are recommended for optimum textural performance. Absent the use of chair pads, more intensive direct maintenance will be required for areas in contact with chair caster traffic, and some degree of appearance change is to be expected.

See limited warranty for details. Limited warranty and maintenance information may be accessed at www.tandus/com/limitedwarranty and www.tandus.com/maintenance or by dialing 800-248-2878

Tandus FLOORING

Product Construction
Modular Options

	IMPERIAL			METRIC			TEST METHOD

Warranty: 15 year limited warranty against excessive surface wear, static, delamination, edge ravel, zippering & backing resiliency loss.

ER3® Modular

Total Product Recycled Content	50.5%	Pre-Consumer: 40.5%		Post-Consumer:	10%		SCS Certified
Third Party Certfication NSF-140	Platinum						SCS Certified
Product Size	24" x 24" Tile	(18" x 18" and 36" x 36" also available)					
Secondary Backing	100% Recycled Content with Tru Bloc (Barrier System)						
Intermediate Layer	Fiberglass Reinforced Sealant						
Product Construction	No Delamination per ASTM D-3936						
Secondary Backing Density	65	lbs/cu ft			1041	kg/cu m	
Secondary Backing Thickness	0.087	inch			2.2	mm	
Total Weight with RS / Non-RS	135.5	133.9	oz/sq yd +/-5%	4595	4541	g/sq m	
CRI Green Label Plus Certification	GLP1366						

ethos™ Modular

Total Product Recycled Content	30.6%	Pre-Consumer: 20.6%		Post-Consumer:	10%		SCS Certified
Third Party Certfication NSF-140	Platinum						SCS Certified
Product Size	24" x 24" Tile	(18" x 18" and 36" x 36" also available)					
Secondary Backing	50% Recycled Content						
Intermediate Layer	Fiberglass Reinforced Sealant						
Product Construction	No Delamination per ASTM D-3936						
Secondary Backing Density	65.0	lbs/cu ft			1041	kg/cu m	
Secondary Backing Thickness	0.050	inch			1.3	mm	
Total Weight	100.2		oz/sq yd +/-5%		3398.1	g/sq cm	
CRI Green Label Plus Certification	GLP8320						

Flex-Aire™ Cushion Modular

Total Product Recycled Content	18.1%						SCS Certified
Product Size	24" x 24" Tile	(18" x 18" and 36" x 36" also available)					
Secondary Backing	Fiberglass Reinforced Composite Closed Cell Cushion						
Intermediate Layer	Fiberglass Reinforced Sealant						
Product Construction	No Delamination per ASTM D-3936						
Cushion Weight	35.5	oz/sq yd			1203	g/sq m	ASTM D-3574
Cushion Density	18.5	lbs/cu ft			296	kg/cu m	ASTM D-3574
Cushion Thickness	0.156	inch			4.0	mm	ASTM D-3574
Total Weight with RS / Non-RS	124.1	122.7	oz/sq yd +/-5%	4208	4161	g/sq m	
Compression Set	Max. 10%						ASTM D-3574
Compression Deflection	5 Min.	25 max lbs/sq inch @ 25%		352	1758	g/sq cm	ASTM D-3574
CRI Green Label Plus Certification	GLP6558						

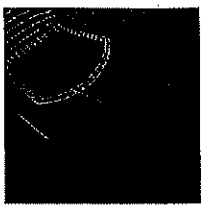
Conserv™ Modular

Product Size	24" x 24" Tile	(18" x 18" and 36" x 36" also available)					
Secondary Backing	Thermoplastic Polymeric						
Intermediate Layer	Fiberglass Reinforced Sealant						
Product Construction	No Delamination per ASTM D-3936						
Secondary Backing Density	120	lbs/cu ft			1922	kg/cu m	
Secondary Backing Thickness	0.041	inch			1.0	mm	
Total Weight	102.2		oz/sq yd +/-5%		3466	g/sq cm	
CRI Green Label Plus Certification	GLP1366						

Tandus FLOORING

Tandus Flooring
311 Smith Industrial Blvd. P.O.Box 1447
Dalton, GA 30722
(800) 248-2878

Pietra ER3 Modular



Brand:	Tandus Flooring
Backing:	ER3® Modular
Product Category:	Carpet
CSI Number Carpet Recycling:	09 69 26
MasterFormat Number:	09 68 13
Location of Manufacture:	DALTON, GA 30721

Environmental Characteristics

Post-Consumer Recycled Content:	13.0%
Pre-Consumer Recycled Content:	37.5%
Recyclable:	Yes

Environmental Certifications

Carbon Neutral Product (Optional):	Yes
NSF/ANSI STANDARD 140-2007:	Platinum
SCS Material Content Certification:	Yes
CRI Green Label:	Plus
CRI Number:	GLP1366
California Specifications Section 01350:	Yes

Tandus FLOORING

ENDHARA II #02591

Product Specification Sheet

Face Construction	Imperial		Metric	
Construction	Level Loop			
Face Weight	20	oz/sq yd	678	g/sq m
Gauge	1/10		39.4	rows/10 cm
Stitches per Inch	11.0		43.3	pu/10 cm
Pile Height Average	0.135	inch	3.4	mm
Fiber System	XTI® Nylon			
Dye Method	Yarn Dyed			
Soil/Stain Protection	Ensure		10.2	Kilotex
Primary Tufting Substrate	Synthetic Non-Woven			
Pattern Repeat	N/A			

Third Party Environmental Certifications

	Product	Recycled Content		NSF 140
		Overall	Post-Consumer	
Certified	ER3® Modular	44-65%	12%	Platinum
Certified	ethos™ Modular	26-50%	15%	Platinum
Certified	Flex-Aire™ Cushion Modular	15-33%		

**Recycled content certified by SCS and varies by product style.

Product Testing/Information

Antimicrobial Chemicals	No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05)
Electrostatic Propensity	2.3 kV (AATCC 134); Permanent Conductive Fiber
Surface Flammability	Passes CPSC FF 1-70 (ASTM D-2859)
Flooring Radiant Panel	Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)
Smoke Generation	Less than 450 (ASTM E-662)

Installation Methods

Peel and Stick	RS Adhesive System - Full Coverage Peel & Stick
Wet Spread	Backing specific Tandus Adhesives
Installation Method	Monolithic, Horizontal Ashlar, Quarter Turn

Product Notes

1. Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice. Colors may vary slighlty from dye lot to dye lot.
2. U.S. Patent numbers: 4,849,297; 4,49,267; 5,728,741; 5,855,981; 5,914,353; 6,406,574
3. The use of chair pads under roller caster chairs may be required in order to maintain full limited warranty coverage. Please refer to the applicable limited warranty verbiage for specific requirements. In all cases, chair pads are recommended for optimum textural performance. Absent the use of chair pads, more intensive maintenance will be required for areas in direct contact with chair caster traffic, and some degree of appearance change is to be expected.

See limited warranty for details. Limited warranty and maintenance information may be accessed at www.tandus/com/limitedwarranty and www.tandus.com/maintenance or by dialing 800-248-2878

Tandus FLOORING

Product Construction
Modular Options

	IMPERIAL			METRIC			TEST METHOD

Warranty: 15 year limited warranty against excessive surface wear, static, delamination, edge ravel, zippering & backing resiliency loss.

ER3® Modular

Total Recycled Content	51.7%	Pre-Consumer: 38.7%		Post-Consumer:	13%		SCS Certified
Third Party Certfication NSF-140	Platinum						SCS Certified
Product Size	24" x 24" Tile	(18" x 18" and 36" x 36" also available)					
Secondary Backing	100% Recycled Content with Tru Bloc (Barrier System)						
Intermediate Layer	Fiberglass Reinforced Sealant						
Product Construction	No Delamination per ASTM D-3936						
Secondary Backing Density	65	lbs/cu ft			1041	kg/cu m	
Secondary Backing Thickness	0.087	inch			2.2	mm	
Total Weight with RS / Non-RS	132.5	130.9	oz/sq yd +/-5%	4493	4439	g/sq m	
CRI Green Label Plus Certification	GLP1366						

ethos™ Modular

Total Recycled Content	31.6%	Pre-Consumer: 13.6%		Post-Consumer:	18%		SCS Certified
Third Party Certfication NSF-140	Platinum						SCS Certified
Product Size	24" x 24" Tile	(18" x 18" and 36" x 36" also available)					
Secondary Backing	50% Recycled Content						
Intermediate Layer	Fiberglass Reinforced Sealant						
Product Construction	No Delamination per ASTM D-3936						
Secondary Backing Density	65.0	lbs/cu ft			1041	kg/cu m	
Secondary Backing Thickness	0.050	inch			1.3	mm	
Total Weight	97.2		oz/sq yd +/-5%		3296.4	g/sq cm	
CRI Green Label Plus Certification	GLP8320						

Flex-Aire™ Cushion Modular

Total Recycled Content	18.6%	Pre-Consumer: 18.6%		Post-Consumer:	0%		SCS Certified
Product Size	24" x 24" Tile	(18" x 18" and 36" x 36" also available)					
Secondary Backing	Fiberglass Reinforced Composite Closed Cell Cushion						
Intermediate Layer	Fiberglass Reinforced Sealant						
Product Construction	No Delamination per ASTM D-3936						
Cushion Weight	35.5	oz/sq yd			1203	g/sq m	ASTM D-3574
Cushion Density	18.5	lbs/cu ft			296	kg/cu m	ASTM D-3574
Cushion Thickness	0.156	inch			4.0	mm	ASTM D-3574
Total Weight with RS / Non-RS	121.1	119.7	oz/sq yd +/-5%	4107	4059	g/sq m	
Compression Set	Max. 10%						ASTM D-3574
Compression Deflection	5 Min.	25 max lbs/sq inch @ 25%		352	1758	g/sq cm	ASTM D-3574
CRI Green Label Plus Certification	GLP6558						

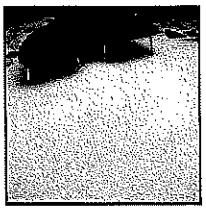
Conserv™ Modular

Product Size	24" x 24" Tile	(18" x 18" and 36" x 36" also available)					
Secondary Backing	Thermoplastic Polymeric						
Intermediate Layer	Fiberglass Reinforced Sealant						
Product Construction	No Delamination per ASTM D-3936						
Secondary Backing Density	120	lbs/cu ft			1922	kg/cu m	
Secondary Backing Thickness	0.041	inch			1.0	mm	
Total Weight	99.2		oz/sq yd +/-5%		3364	g/sq cm	
CRI Green Label Plus Certification	GLP1366						

Tandus FLOORING

Tandus Flooring
311 Smith Industrial Blvd. PO Box 1447
Dalton, GA 30722
(800) 248-2878

Endhara II ER3 Modular



Brand:	Tandus Flooring
Backing:	ER3® Modular
Product Category:	Carpet
CSI Number Carpet Recycling:	09 69 26
MasterFormat Number:	09 68 13
Location of Manufacture:	DALTON, GA 30721

Environmental Characteristics

Post-Consumer Recycled Content:	13.0%
Pre-Consumer Recycled Content:	38.7%
Recyclable:	Yes

Environmental Certifications

Carbon Neutral Product (Optional):	Yes
NSF/ANSI STANDARD 140-2007:	Platinum
SCS Material Content Certification:	Yes
CRI Green Label:	Plus
CRI Number:	GLP1366
California Specifications Section 01350:	Yes