



Purchasing Division

Invitation for Bid

**IFB-4253-16-NJ**

**Justice Center Security  
Management System**

**Responses Due:**

**July 12, 2016 prior to 10:00 AM MDT**

**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:**

Nicholas C Jones, Buyer

**[Nicki@gjcity.org](mailto:Nicki@gjcity.org)**

**(970) 244-1533**

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/Mesa County 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**

## **Table of Contents**

Section 1      Instruction to Bidders

Section 2      General Contract Conditions

Section 3      Statement of Work

Section 4      Bid Form

Price Proposal/Bid Schedule Form

Attachments:

Security Management System Floorplan/Drawings

# **1. Instructions to Bidders**

- 1.1. **Purpose:** The City of Grand Junction, on behalf of Mesa County, is soliciting competitive bids from qualified and interested companies to provide all materials and labor etc. necessary for the replacement and installation of a Security Management System at the Mesa County Justice Center. All dimensions and scope of work should be verified by Bidders prior to submission of bids.
- 1.2. **The Owner:** The Owner is Mesa County, Colorado and is referred to throughout this Solicitation. The term Owner means the Owner or his authorized representative.
- 1.3. **Mandatory Pre-Bid Meeting:** **Prospective bidders are required to attend a mandatory pre-bid meeting on June 29, 2016 at 9:00 AM MDT.** Meeting location shall be in the Location at the Mesa County Justice Center, located at 125 N Spruce St, Grand Junction, CO, 81501. The purpose of this visit will be to inspect and to clarify the contents of this Invitation for Bids (IFB).
- 1.4. **Submission:** **Each proposal 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/BidOpenings.aspx> 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. **Printed Form for Price Bid:** All Price Bids must be made upon the Bid Form attached, and should give the amounts both in words and in figures, and must be signed and acknowledged by the bidder.
- 1.6. **Exclusions:** No oral, telephonic, emailed, or facsimile bid will be considered
- 1.7. **Contract Documents:** The complete IFB and bidder's response compose the Contract Documents. Copies of these documents can be obtained from the City Purchasing website, <http://www.gjcity.org/BidOpenings.aspx>.
- 1.8. **Examination of Specifications:** Bidders shall thoroughly examine and be familiar with the project Statement of Work. The failure or omission of any Bidder to receive or examine any form, addendum, or other document shall in no way relieve any Bidder from any obligation with respect to his bid. The submission of a bid shall be taken as evidence of compliance with this section.

- 1.9. 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.
- 1.10. Addenda & Interpretations:** All Questions shall be submitted in writing to the appropriate person as shown on the cover page of this document. Any interpretations, corrections and changes to this solicitation or extensions to the opening/receipt date shall be made by a written Addendum to the solicitation by the Owner. Sole authority to authorize addenda shall be vested in the Purchasing Representative. Addenda will be issued electronically through the Rocky Mountain E-Purchasing website at [www.rockymountainbidsystem.com](http://www.rockymountainbidsystem.com). Bidders shall acknowledge receipt of all addenda in their response and are solely responsible for obtaining all solicitation documents.
- 1.11. Taxes:** The Owner is exempt from State retail and Federal tax. The bid price must be net, exclusive of taxes.
- 1.12. Offers Binding 60 Days:** Unless 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.
- 1.13. 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.
- 1.14. Public Disclosure Record:** If the bidder has knowledge of their employee(s) or sub-contractors having an immediate family relationship with an Owner 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 Owner.
- 1.15. Public Opening:** Responses shall be opened in the City Hall Auditorium 250 North 5th Street, Grand Junction, CO 81501 immediately following the solicitation deadline.

## **2. General Contract Conditions**

- 2.1. The Contract:** This Invitation for Bid, submitted documents, and any negotiations, when properly accepted by the Owner, shall constitute a contract equally binding between the Owner and Bidder. The contract represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements. The contract may be amended or modified with Change Orders, Field Orders, or Amendment(s).

- 2.2. Execution, Correlation, Intent, and Interpretations:** The Contract Documents and/or Purchase Order shall be signed by the Owner (Owner) and Contractor. Owner will provide the contract/purchase order. By executing the contract/purchase order, the Bidder represents that they have familiarized themselves 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 herein. All drawings, specifications and copies furnished by the Owner are, and shall remain, Owner 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.
- 2.3. The Owner:** The Owner is Mesa County, 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 or progress. The Contractor shall provide facilities for such access. The Owner will 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. 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.
- 2.4. 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/or 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.
- 2.5. 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 curing all work of others, destroyed or damaged, by the correction, removal or replacement of defective work.

- 2.6. 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, the Contractor 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, the Contractor shall assume full responsibility and shall bear all costs attributable.
- 2.7. Responsibility for Those Performing the Work:** The Contractor shall be responsible to the Owner for the acts and omissions of all their employees and all sub-contractors, their agents and employees, and all other persons performing any of the work under a contract with the Contractor.
- 2.8. 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.
- 2.9. 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.
- 2.10. Insurance Requirements:** The selected Contractor agrees to procure and maintain, at its own cost, policy(s) of insurance sufficient to insure against all liability, claims, demands, and other obligations assumed by the Contractor pursuant to this Section. Such insurance shall be in addition to any other insurance requirements imposed by this Contract or by law. The Contractor shall not be relieved of any liability, claims, demands, or other obligations assumed pursuant to this Section by reason of its failure to procure or maintain insurance in sufficient amounts, durations, or types. Contractor shall procure and maintain and, if applicable, shall cause any Subcontractor of the Contractor to procure and maintain insurance coverage listed below. Such coverage shall be procured and maintained with forms and insurers acceptable to the Owner. In the case of any claims-made policy, the necessary retroactive dates and extended reporting periods shall be procured to maintain such continuous coverage. Minimum coverage limits shall be as indicated below unless specified otherwise:
- (a) Worker Compensation: Contractor shall comply with all State of Colorado Regulations concerning Workers' Compensation insurance coverage.
- (b) General Liability insurance with minimum limits of:

ONE MILLION DOLLARS (\$1,000,000) each occurrence and  
ONE MILLION DOLLARS (\$1,000,000) per job aggregate.

The policy shall be applicable to all premises and operations. The policy shall include coverage for bodily injury, broad form property damage (including completed operations), personal injury (including coverage for contractual and employee acts), blanket contractual, products, and completed operations. The policy shall include coverage for explosion, collapse, and underground hazards. The policy shall contain a severability of interests provision.

(c) Comprehensive Automobile Liability insurance with minimum limits for bodily injury and property damage of not less than:

ONE MILLION DOLLARS (\$1,000,000) each occurrence and  
ONE MILLION DOLLARS (\$1,000,000) aggregate

This policy shall provide coverage to protect the contractor against liability incurred as a result of the professional services performed as a result of responding to this Solicitation.

With respect to each of Contractors owned, hired, or non-owned vehicles assigned to be used in performance of the Work. The policy shall contain a severability of interests provision. The policies required by paragraph (b) above shall be endorsed to include the Owner, and the Owner's officers and employees as additional insureds. Every policy required above shall be primary insurance, and any insurance carried by the Owner, its officers, or its employees, or carried by or provided through any insurance pool of the Owner, shall be excess and not contributory insurance to that provided by Bidder. No additional insured endorsement to any required policy shall contain any exclusion for bodily injury or property damage arising from completed operations. The Bidder shall be solely responsible for any deductible losses under any policy required above.

**2.11. 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.

**2.12. 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.

- 2.13. Time:** 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 the Contract Documents.
- 2.14. 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.
- 2.15. 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 the product or 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.
- 2.16. 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 Owner; or a Bid Bond written by an approved corporate surety in favor of the Owner. The amount of the Bid Guaranty shall not be less than 5% of the total Bid amount. Once a Bid is accepted and a Contract is awarded, the apparent successful bidder has ten calendar days to enter into a contract in the form prescribed and to furnish the bonds with a legally responsible and approved surety. Failure to do so will result in forfeiture of the Bid Guaranty to the Owner 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.

- 2.17. 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 signed 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.

- 2.18. 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.
- 2.19. 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, the Contractor shall restore, at their 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 they shall make good such damage or injury in an acceptable manner.
- 2.20. 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/Amendment and shall be executed under the applicable conditions of the contract documents. A Change Order/Amendment 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/Amendment.
- 2.21. 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, the Contractor 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/Amendment.

- 2.22. 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. This may be accomplished through a Field Order.
- 2.23. 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 completed. 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 curing all work of separate Contractors destroyed or damaged by such removal or correction. If the Owner prefers to accept defective or non-conforming work, Owner may do so instead of requiring its removal and correction, in which case a Change Order/Amendment 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.
- 2.19. Change Order/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 Change Orders/Amendments to the contract shall be made in writing by the Owner.
- 2.20. Assignment:** The Contractor shall not sell, assign, transfer or convey any contract resulting from this Solicitation, in whole or in part, without the prior written approval from the Owner.
- 2.21. Cancellation of Solicitation:** Any solicitation may be canceled by the Owner or any solicitation response by a vendor may be rejected in whole or in part when it is in the best interest of the Owner.
- 2.22. 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.

- 2.23. Confidentiality:** All materials submitted in response to this Solicitation shall ultimately become public record and shall be subject to inspection after contract award. “**Proprietary or Confidential Information**” is defined as any information that is not generally known to competitors and which provides a competitive advantage. Unrestricted disclosure of proprietary information places it in the public domain. Only submittal information clearly identified with the words “**Confidential Disclosure**” and uploaded as a separate document shall establish a confidential, proprietary relationship. Any material to be treated as confidential or proprietary in nature must include a justification for the request. The request shall be reviewed and either approved or denied by the Owner. If denied, the proposer shall have the opportunity to withdraw its entire proposal, or to remove the confidential or proprietary restrictions. Neither cost nor pricing information nor the total response shall be considered confidential or proprietary.
- 2.24. Conflict of Interest:** No public official and/or Owner employee shall have interest in any contract resulting from this Solicitation.
- 2.25. Contract Termination:** This contract shall remain in effect until any of the following occurs: (1) contract expires; (2) completion of work; (3) acceptance of work 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.
- 2.26. Employment Discrimination:** During the performance of any services per agreement with the Owner, the Contractor, by submitting a response, agrees to the following conditions:
- 2.26.1.** 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.
- 2.26.2.** 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.
- 2.26.3.** 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.
- 2.27. Immigration Reform and Control Act of 1986 and Immigration Compliance:** The Contractor 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).

- 2.28. 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.
- 2.29. Failure to Deliver:** In the event of failure of the Contractor to deliver work in accordance with the contract terms and conditions, the Owner, after due oral or written notice, may procure the work 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.
- 2.30. 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.
- 2.31. 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.
- 2.32. 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.
- 2.33. Nonconforming Terms and Conditions:** A response that includes terms and conditions that do not conform to the terms and conditions of this Solicitation is subject to rejection as non-responsive. The Owner reserves the right to permit the Contractor to withdraw nonconforming terms and conditions from its response prior to a determination by the Owner of non-responsiveness based on the submission of nonconforming terms and conditions.
- 2.34. Ownership:** All plans, prints, designs, concepts, etc., shall become the property of the Owner.
- 2.35. 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 Solicitation.

- 2.36. Remedies:** The Contractor and Owner agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.
- 2.37. Venue:** Any agreement as a result of responding to this Solicitation 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.
- 2.38. Expenses:** Expenses incurred in preparation, submission and presentation of this Solicitation are the responsibility of the company and cannot be charged to the Owner.
- 2.39. 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.
- 2.40. 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 shall be subject to, and must contain, a governmental non-appropriation of funds clause.
- 2.41. Cooperative Purchasing:** Purchases as a result of this solicitation are primarily for the Owner. 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 shall be required to abide by the specifications, terms, conditions and pricings established in this Solicitation. The quantities furnished in this bid document are for only the Owner. It does not include quantities for any other jurisdiction. The Owner shall be responsible only for the award for its jurisdiction. Other participating entities shall place their own awards on their respective Contract/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 Owner 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 shall indicate their specific delivery and invoicing instructions.
- 2.42. 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).

**2.42.1.** "Public Works 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.

**2.43. Definitions:**

- 2.43.1.** The term "Work" includes all labor, materials, equipment, and/or services necessary to produce the requirements of the Contract Documents.
- 2.43.2.** "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.
- 2.43.3.** "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.

### **3. Statement of Work**

- 3.1. Summary:** This document includes a general description, functional requirements, operational characteristics, and criteria for the Security Management System (SMS) for the Mesa County Justice Center.
- 3.2. Project Description:** RS2 Technologies will replace the existing Infographics security management system. All functions currently conducted by Infographics will be accomplished at existing or exceeded levels. Simplification of design and functionality with integrated services on existing Mesa County Security Management System. Contractor will be required to supply to owner 400 of the listed below card type. Contractor will be required to coordinate with County staff for numbering sequence and facility code prior to the start of installation.

HID ISOProx® II  
125 kHz thin proximity card  
Base Part Number 1386  
Proximity technology  
Graphics quality surface for use with direct image printers  
Same size and thickness as a standard credit card

- 3.2.1. Vertical or horizontal slot punch capability**
- 3.2.1.1. Access Controlled Devices
    - 3.2.1.1.1. Fifty controlled doors
    - 3.2.1.1.2. Elevator call control
    - 3.2.1.1.3. Gate control
    - 3.2.1.1.4. Turnstile control
  - 3.2.1.2. Duress
    - 3.2.1.2.1. One hundred panic devices.
    - 3.2.1.2.2. Annunciation in Court Control with pushbutton silence and reset
    - 3.2.1.2.3. Display and map graphic pop-up on client software.
  - 3.2.1.3. Camera call-up
    - 3.2.1.3.1. Integration with camera switcher for forty camera call-up
    - 3.2.1.3.2. Call-up upon a duress displayed on Court Control Monitors.
  - 3.2.1.4. Intercom
    - 3.2.1.4.1. Integrated release of designated doors from intercom system

### **3.3. REFERENCES:**

- 3.3.1.** The Codes and Regulations listed below form a part of this specification to the extent referenced. Work shall be performed in accordance with the applicable international, federal, state, and local codes or standards current at the commencement of installation. The following list summarizes applicable standards:
- 3.3.1.1. UL 294, UL 1076, ULC
  - 3.3.1.2. CE

- 3.3.1.3. FCC – Part 15, Part 68
- 3.3.1.4. NFPA 70, NEC
- 3.3.1.5. IEEE, RS 170 variable standard
- 3.3.1.6. Microsoft® Open Database Connectivity (ODBC) interface)
- 3.3.1.7. ISO Software Coding Standards
- 3.3.1.8. RoHS
- 3.3.2. Where more than one code or regulation is applicable, the more stringent shall apply.
- 3.3.3. Cable installation, identification and termination shall be performed in addition to the applicable codes above.

### **3.4. DEFINITIONS**

- 3.4.1. Credential: Data assigned to an entity and used to identify that entity.
- 3.4.2. Identifier: A credential card, keypad personal identification number or code, biometric characteristic, or other unique identification entered as data into the entry-control database for the purpose of identifying an individual. Where this term is presented with an initial capital letter, this definition applies.
- 3.4.3. Location: A Location on the network having a PC-to-controller communications link, with additional Controllers at the Location connected to the PC-to-controller link with TIA 485-A communications loop.
- 3.4.4. RAS: Remote access services.

### **3.5. SMS DESCRIPTION**

- 3.5.1. The Security Management System outlined in this section and detailed in Part 2 of this document is the key central component for managing physical security for this project. The system shall provide a variety of integral functions including the ability to regulate access and egress; provide identification credentials; monitor, track and interface alarms.
- 3.5.2. The SMS utilizes a single seamlessly integrated relational database for all functions utilizing a fully multi-tasking multi-threading Microsoft Windows Server Operating System. The SMS will be integrated so that all modules (Access Control, Alarm Monitoring, ID Badging, are developed and built from a unified single source code set.
- 3.5.3. The SMS will communicate with system control panels via TCP-IP/Ethernet, RS-485, and RS-232 and networked back to the existing county wide controllers using the counties LAN network.

### **3.6. SUBMITTALS**

- 3.6.1. Shop Drawings: Provide complete shop drawings which include the following:
  - 3.6.1.1. Indicate all system device locations on architectural floor plans. No other system(s) shall be included on these plans.



- 3.6.1.2. Include full schematic wiring information on these drawings for all devices. Wiring information shall include cable type, conductor routings, quantities, and connection details at device
- 3.6.1.3. Include a complete SMS one-line, block diagram.
- 3.6.2. Product Data:** Provide complete product data that includes the following:
  - 3.6.2.1. Manufacturer's technical data for all material and equipment at the system and sub system level to be provided as part of the SMS.
  - 3.6.2.2. A system description including analysis and calculations used in sizing equipment required by the SMS. The description shall show how the equipment will operate as a system to meet the performance requirements of the SMS. The following information shall be supplied as a minimum:
    - 3.6.2.2.1. Description of site equipment and its configuration
    - 3.6.2.2.2. Start-up operations
    - 3.6.2.2.3. System expansion capability and method of implementation
    - 3.6.2.2.4. System power requirements and UPS sizing
    - 3.6.2.2.5. Device / component environmental requirements (cooling and or heating parameters)
- 3.6.3. Contract Close-Out Submittals:** Provide two sets of hard copy manuals and one set electronic format manuals including operating instructions, maintenance recommendations and parts list including wiring and connection diagrams modified to reflect as-built conditions.
- 3.6.4. Manuals:** Final copies of the manuals shall be delivered within thirty days after completing the installation test. Each manual's contents shall be identified on the cover. The manual shall include names, addresses, and telephone numbers of the contractor responsible for the installation and maintenance of the system and the factory representatives for each item of equipment for each system. The manuals shall have a table of contents and labeled sections. The final copies delivered after completion of the installation test shall include all modifications made during installation, checkout, and acceptance testing. The manuals shall consist of the following:
  - 3.6.4.1. Functional Design Manual: The functional design manual shall identify the operational requirements for the system and explain the theory of operation, design philosophy, and specific functions. A description of hardware and software functions, interfaces, and requirements shall be included.
  - 3.6.4.2. Hardware Manual: The manual shall describe all equipment furnished including:
    - 3.6.4.2.1. General description and specifications
    - 3.6.4.2.2. Installation and check out procedures
    - 3.6.4.2.3. Equipment layout and electrical schematics to the component level
    - 3.6.4.2.4. System layout drawings and schematics
    - 3.6.4.2.5. Alignment and calibration procedures
    - 3.6.4.2.6. Manufacturers repair parts list indicating sources of supply
  - 3.6.4.3. Software Manual: The software manual shall describe the functions of all software and shall include all other information necessary to

enable proper loading, testing, and operation. The manual shall include:

- 3.6.4.3.1. Definition of terms and functions
- 3.6.4.3.2. System use and application software
- 3.6.4.3.3. Initialization, start up, and shut down
- 3.6.4.3.4. Reports generation
- 3.6.4.3.5. Details on forms customization and field parameters
- 3.6.4.3.6. Computers and peripherals
- 3.6.4.3.7. System start up and shut down procedures
- 3.6.4.3.8. Use of system, command, and applications software
- 3.6.4.3.9. Recovery and restart procedures
- 3.6.4.3.10. Graphic alarm presentation
- 3.6.4.3.11. Use of report generator and generation of reports
- 3.6.4.3.12. Data entry
- 3.6.4.3.13. Operator commands
- 3.6.4.3.14. Alarm messages and reprinting formats
- 3.6.4.3.15. System permissions functions and requirements
- 3.6.5.** Maintenance Manual: The maintenance manual shall include descriptions of maintenance for all equipment including inspection, periodic preventive maintenance, fault diagnosis, and repair or replacement of defective components.
- 3.6.6.** As-Built Drawings: During system installation, the Contractor shall maintain a separate hard copy set of drawings, elementary diagrams, and wiring diagrams of the SMS to be used for record drawings. This set shall be accurately kept up to date by the Contractor with all changes and additions to the SMS. Copies of the final as-built drawings shall be provided to the end user in VSD format.

### **3.7. QUALITY ASSURANCE**

- 3.7.1.** Manufacturer Qualifications
  - 3.7.1.1. Manufacturer of the SMS shall be an established organization with referenced and documented experience delivering and maintaining Security Management Systems of equal or higher sophistication and complexity as compared to the system detailed in this specification.
  - 3.7.1.2. SMS Manufacturer's manufacturing facilities shall be certified ISO-9000:2000 operations, utilize ISO-9000:2000 manufacturing procedures and maintain their ISO certifications.
  - 3.7.1.3. SMS Manufacturer shall employ at a minimum the following methods for QA of component and assembly devices.
- 3.7.2.** Visual inspection of devices shall be performed to verify assembly according to defined procedures. End of line operational tests shall be performed to ensure product functionality has been correctly configured. A system burn-in period shall be utilized to screen for early life failures of electronic components.
- 3.7.3.** Individual functionality and system level regression testing shall be performed to ensure compliance with product specifications. Single and multiple unit system tests shall be performed to mimic end-user

installation configurations. Automated hardware and software testing shall be utilized to evaluate system performance under published operational loads and shall be compared to published system capabilities.

### **3.8. BIDDER QUALIFICATIONS**

- 3.8.1.** At the time of the bid, the bidder shall have satisfactorily completed projects similar size, scope and complexity as the system detailed in this specification. The bidder shall furnish written proof of experience from **three (3) references** and **proof of current accreditation/certification** by the manufacturer for required training for sales/installation/service of the SMS and associated devices.
- 3.8.2.** The bidder shall also be a factory authorized local service organization that shall carry a complete stock of parts and provide maintenance for the SMS and related systems under this contract. Local shall be defined as an area in a 200 mile radius of installed location.

### **3.9. WARRANTY**

- 3.9.1. SMS Software and Field Hardware Warranty**
  - 3.9.1.1. SMS Software shall be warranted for a period of 90 Days from the date of shipment from the manufacturer to be free of defects and will function in substantial accordance to the published specification.
  - 3.9.1.2. SMS Field Hardware shall be warranted for a period of three (3) years from the date of shipment from the manufacturer, will be free from defects and will function in general accordance with the product specifications.
  - 3.9.1.3. SMS Third Party Device warranties are transferred from the manufacturer to the contractor, which may then transfer third party warranties to the owner. Specific third party warranty details, terms and conditions, remedies and procedures, are either expressly stated on, or packaged with, or accompany such products. The warranty period may vary from product to product. These products include but are not limited to devices that are directly interconnected to the SMS field hardware or computers and are purchased directly from the SMS manufacturer. Examples may include but not be limited to; Credential Printers, Reader Heads, Biometric Devices, Computers etc.
- 3.9.2. Contractor Installation Warranty**
  - 3.9.2.1. Contractor shall warrant all equipment, not covered under Part 1 Section 1.11.A of this specification and associated installation labor for a period of one (1) year from date of beneficial use.

### **3.10. MAINTENANCE SERVICES**

- 3.10.1. General Requirements:** The Contractor shall provide all services required and equipment necessary to maintain the entire SMS in an operational state as specified for a period of three year(s) after formal written

- acceptance of the system, and shall provide all necessary material required for performing scheduled service or other unscheduled work.
- 3.10.2.** Description of Work: The service and repair of the SMS including all equipment provided under this specification supplied by the successful contractor. The contractor shall provide the manufacturer's required scheduled and unscheduled maintenance and all other work necessary to keep the SMS at its maximum performance.
- 3.10.3.** Personnel: Service personnel shall be factory certified in the maintenance and repair of the equipment installed under this section of the specification. The owner shall be advised in writing of the name of the designated service representative, and of any change in personnel.
- 3.10.4.** Schedule of Work: This work shall be performed during the hours of 7:00 AM to 10:00 PM, 7 days a week, with the exception of Holidays.
- 3.10.4.1. Inspections: The Contractor shall perform two minor inspections at 6 month intervals (or more often if required by the manufacturer), and two major inspections offset equally between the minor inspections to effect quarterly inspection of alternating magnitude.
- 3.10.4.2. Minor Inspections: These inspections shall include:
- 3.10.4.2.1. Visual checks and operational tests of all console equipment, peripheral equipment, field hardware, sensors, and electrical and mechanical controls
- 3.10.4.2.2. Mechanical adjustments if required on any mechanical or electromechanical devices
- 3.10.4.3. Major Inspections: These inspections shall include all work described under paragraph Minor Inspections and the following work:
- 3.10.4.3.1. Clean all SMS equipment, including interior and exterior surfaces.
- 3.10.4.3.2. Perform diagnostics on all equipment.
- 3.10.4.3.3. Check, walk test, and if required by the manufacturer's maintenance procedures, calibrate each sensor.
- 3.10.4.3.4. Run all system software diagnostics and correct all diagnosed problems.
- 3.10.5.** Operation: Performance of scheduled adjustments and repair shall verify operation of the SMS as demonstrated by the applicable tests of the performance verification test.
- 3.10.6.** Emergency Service: The owner will initiate service calls when the SMS is not functioning properly. Qualified personnel shall be available to provide service to the complete SMS. The owner shall be furnished with a telephone number where the service supervisor can be reached at all times. Service personnel shall respond within two hours after receiving a request for service. The SMS shall be restored to proper operating condition within twenty-four hours after service personnel arrive on site.
- 3.10.7.** Records and Logs: The Contractor shall keep records and logs of each task, and shall organize cumulative records for each component and for the complete system chronologically. A continuous log shall be maintained for all devices. The log shall contain all initial settings. Complete logs shall be kept and shall be available for inspection on site,

demonstrating that planned and systematic adjustments and repairs have been accomplished for the SMS.

- 3.10.8.** Work Requests: The Contractor shall separately record each service call request on a service request form. The form shall include the model and serial number identifying the component involved, its location, date and time the call was received, specific nature of trouble, names of service personnel assigned to the task, instructions describing what has to be done, the amount and nature of the materials used, the time and date work started, and the time and date of completion. The Contractor shall deliver a record of the work performed within 5 days after work is accomplished.
- 3.10.9.** System Modifications: The Contractor shall make any recommendations for system modification in writing to the Owner. No system modifications shall be made without prior approval of the Owner. Any modifications made to the system shall be incorporated into the operations and maintenance manuals, and other documentation affected.
- 3.10.10.** Software: The Contractor shall provide all software updates during the period of the warranty and verify operation in the system. These updates shall be accomplished in a timely manner, fully coordinated with SMS operators, shall include training for the new changes / features enabled, and shall be incorporated into the operations and maintenance manuals, and software documentation.

### **3.11. MANUFACTURERS**

- 3.11.1.** SMS Field Hardware as needed: Manufacturer Mercury, RS2 Technologies Firmware
  - 3.11.1.1. System Control Processors (SCP) shall be - EP-1502, EP-2500
  - 3.11.1.2. System Input Output (SIO) units shall be – MR-50, MR-52
  - 3.11.1.3. System Input / Output module (SIO) 16 Inputs shall be – MR-16IN
  - 3.11.1.4. System Output module (SIO) 16 Outputs – MR-16OUT
  - 3.11.1.5. Communications Multiplexer RS-485 shall be – MUX-8
- 3.11.2.** SMS Authentication Hardware
  - 3.11.2.1. HID Proximity Readers
  - 3.11.2.2. APTIQ Proximity Readers
- 3.11.3.** SMS Third Party Integrated Devices
  - 3.11.3.1. The SMS shall seamlessly interface with select devices from the following manufacturers:
    - 3.11.3.1.1. Honeywell
    - 3.11.3.1.2. Costar
    - 3.11.3.1.3. Aiphone
    - 3.11.3.1.4. DSC

### **3.12. MANUFACTURED UNITS**

- 3.12.1.** System Control Processor (SCP)
  - 3.12.1.1. The System Control Processor (SCP) shall link the SMS Software to all “down-stream” field hardware components (SIOs.). The SCP shall provide full distributed processing of access control / Alarm

Monitoring rules and operations. A fully loaded and configured SCP shall respond in less than one-half (0.5) second to grant or deny access to cardholder.

- 3.12.1.2. The SCP shall continue to function normally (stand-alone) in the event that it loses communication with the SMS software. While in this off-line state, the SCP shall make access granted/denied decisions and maintain a log of the events which occur. Events shall be stored in the SCP local memory, and then uploaded automatically to the SMS database after communication has been restored.
- 3.12.1.3. In addition, the SCP shall incorporate the following features:
  - 3.12.1.3.1. UL 294, ULC, and CE Certified
  - 3.12.1.3.2. Support for Host Communications Speed of 115,200 bps
  - 3.12.1.3.3. Support Direct Connect, Remote Dial Up, or Local Area Network (LAN) Connection
  - 3.12.1.3.4. Support for up to 6 MB of On-Board Memory for the EP-1502, and 12 MB for the EP2500
  - 3.12.1.3.5. LAN Support shall utilize RJ45 (10/100baseT) Ethernet Interface
  - 3.12.1.3.6. Flash Memory for real time program updates and overall host communications
  - 3.12.1.3.7. Support 2 wire RS-485 downstream ports, downstream ports shall be for connecting SIO panels via RS-485 multi-drop wiring configuration
  - 3.12.1.3.8. Memory storage of up to 6 MB for the EP-1502 and 12 MB for the EP-2500
  - 3.12.1.3.9. Initial base memory download between SCP with standard memory from the SMS shall require no more than ten (10) seconds
  - 3.12.1.3.10. Support for up to 32 SIO devices
  - 3.12.1.3.11. Support of multiple card technologies
  - 3.12.1.3.12. Supervised Communications between SCP and SMS Software
  - 3.12.1.3.13. AES 256 bit Symmetrical Block Encryption conforming to the FIPS-197 standard between SCP and SMS Software communications driver.
  - 3.12.1.3.14. Support of up to eight card formats and facility codes
  - 3.12.1.3.15. Support for SEIWG card formats
  - 3.12.1.3.16. Integration to other manufacturer's OSDP (Open Supervised Device Protocol), Magnetic (Clock and Data) and Wiegand (Data 1, Data 0) card readers
  - 3.12.1.3.17. 32-bit Microprocessor
  - 3.12.1.3.18. Biometric Interface Support
  - 3.12.1.3.19. An SCP downstream serial port shall multi-drop up to 32 access control SIO field hardware devices using an RS-485 UL 1076 Grade A communication format allowing a distance of 4,000 feet using Belden 9842 cable or equivalent
  - 3.12.1.3.20. 12-24 VDC input power for the EP-1502 or EP-2500 and 12 VDC

- 3.12.1.3.21. Issue Code Support for OSDP (Open Supervised Device Protocol), Magnetic (Clock and Data) and Wiegand (Data 1, Data 0) Card Formats
- 3.12.1.3.22. Individual Shunt Times (ADA Requirement)
- 3.12.1.3.23. Downstream serial RS-485 device support over CAT 5, 6e cable
- 3.12.1.3.24. Status LEDs for normal component and communication status
- 3.12.1.3.25. RoHS Compliance
- 3.12.2. MR-16IN 16 Input Sub Input / Output module (SIO)**
  - 3.12.2.1. The Input Control Module shall provide 16 UL 1076 Grade B, A or AA alarm input zones and monitor / report line fault conditions, alarm conditions, power faults and tampers. Status LEDs shall provide information about the sixteen alarm zone inputs, cabinet tamper, and power fault.
  - 3.12.2.2. In addition, the SIO shall incorporate the following features:
    - 3.12.2.2.1. UL 294, ULC, and CE Certified
    - 3.12.2.2.2. Alarm contact status scanning at up to 180 times per second for each zone
    - 3.12.2.2.3. Eight configuration DIP switches to assign unit addresses and communications speed
    - 3.12.2.2.4. Elevator control support for 64 Floors using floor Tracking
    - 3.12.2.2.5. Variable resistor values for line supervision
    - 3.12.2.2.6. A low power CMOS microprocessor
    - 3.12.2.2.7. Filtered data for noise rejection to prevent false alarms
    - 3.12.2.2.8. Up to 16 Grade B, A, or AA Supervised Inputs in any Combination
    - 3.12.2.2.9. 12 or 24 VDC Input Power
    - 3.12.2.2.10. 2 Form C 5A, 30 VDC Contacts for load switching
    - 3.12.2.2.11. 2 dedicated inputs for tamper and power status
    - 3.12.2.2.12. RoHS Compliance
    - 3.12.2.2.13. Support for RS-485 over CAT 5, 6e cable
- 3.12.3. MR-16OUT 16 Output Sub Input / Output module (SIO)**
  - 3.12.3.1. The Output Control Modules shall provide 16 Form-C 5A 30 VDC relay contacts for load switching. The relays shall be configurable for fail-safe or fail-secure operation. Each relay shall support “On” “Off” and “Pulse” operation.
  - 3.12.3.2. 12 or 24 VDC input power
  - 3.12.3.3. Two dedicated digital inputs for tamper and power failure status
  - 3.12.3.4. RS-485 communications, multi-dropped (2-wire or 4-wire RS-485)
  - 3.12.3.5. Up to 16 MR-16OUTs per SCP
  - 3.12.3.6. Onboard termination jumpers
  - 3.12.3.7. DIP switch selectable addressing
  - 3.12.3.8. Status LEDs for communication to the host, heartbeat and relay status
  - 3.12.3.9. Elevator control, support for 64 floors
  - 3.12.3.10. RoHS Compliance
  - 3.12.3.11. Support for RS-485 over CAT 5, 6e cable
- 3.12.4. MR-50 Single Reader Sub I/O module (SIO)**

- 3.12.4.1. The MR-50 shall provide an interface between the SCP and authentication devices. The MR-50 must operate with any authentication device that produces a standard Wiegand, Data 1 / Data 0), Clock and Data communication or OSDP output.
- 3.12.4.2. In addition the MR-50 shall incorporate the following features:
  - 3.12.4.2.1. 12 or 24 VDC power supply
  - 3.12.4.2.2. Reader communications (Clock/Data, Wiegand Data1/Data0, or OSDP)
  - 3.12.4.2.3. Two Form-C relay outputs (5 A Door Strike and 1 A Aux relays)
  - 3.12.4.2.4. Up to 8 different card formats
  - 3.12.4.2.5. Issue code support for Magnetic, Wiegand and OSDP formats
  - 3.12.4.2.6. Door contact Open or Closed, Supervised or Non-Supervised.
  - 3.12.4.2.7. REX push-button monitor – Open or closed supervised or Non-supervised
  - 3.12.4.2.8. Strike Control output
  - 3.12.4.2.9. Dedicated tamper and power failure circuits
  - 3.12.4.2.10. Bicolor or two wire status LED support
  - 3.12.4.2.11. Beeper control
  - 3.12.4.2.12. Support for offline reader access mode
  - 3.12.4.2.13. Elevator control, support for 64 floors
  - 3.12.4.2.14. UL 294 listed and CE approved
  - 3.12.4.2.15. RoHS Compliance
  - 3.12.4.2.16. Support for RS-485 over CAT 5, 6e cable
- 3.12.5. MR-52 Dual Reader Sub Input / Output module (SIO)**
  - 3.12.5.1. The MR-52 shall provide a dual interface between the SCP and authentication devices. The MR-52 must operate with any authentication device that produces a standard Wiegand, Magnetic or OSDP (Data 1 / Data 0 or Clock and Data) communication output.
  - 3.12.5.2. In addition the MR-52 shall incorporate the following features:
    - 3.12.5.2.1. 12 or 24 VDC power supply
    - 3.12.5.2.2. Reader communications (Magnetic Clock/Data, Wiegand Data1/Data0 or OSDP) - more than 150 different readers approved for use
    - 3.12.5.2.3. Six Form-C 5 A at 30 VDC relay outputs
    - 3.12.5.2.4. Up to 8 different formats
    - 3.12.5.2.5. Issue code support for Magnetic, Wiegand or OSDP formats
    - 3.12.5.2.6. Door contact supervision (Open/Closed)
    - 3.12.5.2.7. REX push-button monitor (Open/Closed, Supervised or Non-Supervised)
    - 3.12.5.2.8. Strike Control output
    - 3.12.5.2.9. Bi-color status LED support and 2-wire LED support
    - 3.12.5.2.10. Beeper control
    - 3.12.5.2.11. Dedicated tamper and power failure circuits
    - 3.12.5.2.12. Support for offline reader access mode
    - 3.12.5.2.13. Onboard jumpers for termination
    - 3.12.5.2.14. Onboard jumpers for 5 VDC or 12 VDC reader support
    - 3.12.5.2.15. Elevator control, native support for 4 floors without Floor Tracking



- 3.12.5.2.16. DIP switch selectable addressing
- 3.12.5.2.17. UL 294 listed and CE approved
- 3.12.5.2.18. RoHS Compliance
- 3.12.5.2.19. Support for RS-485 over CAT 5, 6e cable
- 3.12.6. Nema 1 Enclosures**
  - 3.12.6.1. Mounted with door hinged on left or right
  - 3.12.6.2. Removable door
  - 3.12.6.3. Powder coated standard brown with tan door
  - 3.12.6.4. Mounted perf panel
  - 3.12.6.5. Sizes 38"x26" or 26"x20"
- 3.12.7. Power Supplies**
  - 3.12.7.1. Preferred Vender: Preferred Power Supplies
    - 3.12.7.1.1. P3PS10-SU
      - 3.12.7.1.1.1. Input: 120v AC
      - 3.12.7.1.1.2. Output: Switching 12v DC or 24v DC @ 10 amps
  - 3.12.7.2. Alternative: Altronix
    - 3.12.7.2.1. eFlow104N
- 3.12.8. Fused Output**
  - 3.12.8.1. ACM8
    - 3.12.8.1.1. 12 to 24 volt AC or DC operation (setting not required), (0.6 amp @ 12volt, 0.3 amp @ 24 volt current consumption with all relays energized).
  - 3.12.8.2. Power supply input options:
  - 3.12.8.3. One (1) common power input (board and lock power).
    - 3.12.8.3.1. Two (2) isolated power inputs (one (1) for board power and one (1) for lock/accessory power)
  - 3.12.8.4. Eight (8) Access Control System trigger inputs:
    - 3.12.8.4.1. Eight (8) normally open (NO) inputs.
    - 3.12.8.4.2. Eight (8) open collector sink inputs
    - 3.12.8.4.3. Any combination of the above
  - 3.12.8.5. Eight (8) independently controlled outputs:
    - 3.12.8.5.1. Eight (8) Fail-Safe and/or Fail-Secure power outputs.
    - 3.12.8.5.2. Eight (8) dry form "C" 5 amp rated relay outputs
    - 3.12.8.5.3. Any combination of the above
  - 3.12.8.6. Eight (8) auxiliary power outputs (un-switched)
  - 3.12.8.7. Output ratings:
    - 3.12.8.7.1. Fuses are rated 3.5 amps each.
    - 3.12.8.7.2. Main fuse is rated at 10 amps.

### **3.13. SOFTWARE**

- 3.13.1. Comply with recommendations in SIA CP-01.
- 3.13.2. Comply with TIA/EIA 606-A, "Administration Standard for Commercial Telecommunications Infrastructure."
- 3.13.3. Obtain detailed Project planning forms from manufacturer of access-control system; develop custom forms to suit Project. Fill in all data available from Project
  - 3.13.3.1. Record setup data for control station and workstations

- 3.13.3.2. For Location, record setup of controller features and access requirements.
- 3.13.4.** Propose start and stop times for time zones and holidays, and match up access levels for doors.
  - 3.13.4.1. Set up groups, facility codes, linking, and list inputs and outputs for each controller.
  - 3.13.4.2. Assign action message names and compose messages.
- 3.13.5.** Set up alarms. Establish interlocks between alarms, intruder detection, and video surveillance features.
  - 3.13.5.1. Prepare and install alarm graphic maps.
  - 3.13.5.2. Tasks and video cameras will be configured to appear on command or when specified conditions are generated.
  - 3.13.5.3. Map device icons shall be added to graphical maps to dynamically change shape and / or color to reflect the current state of the device.
  - 3.13.5.4. Develop user-defined fields.
- 3.13.6.** Develop screen layout formats.
  - 3.13.6.1. Complete system diagnostics and operation verification.
  - 3.13.6.2. Prepare a specific plan for system testing, startup, and demonstration.
  - 3.13.6.3. Develop acceptance test concept and, on approval, develop specifics of the test.
- 3.13.7.** Develop cable and asset-management system details; input data from construction documents

### **3.14. CABLE APPLICATION**

- 3.14.1.** Comply with TIA 569-B, "Commercial Building Standard for Telecommunications Pathways and Spaces."
- 3.14.2.** Cable application requirements are minimum requirements and shall be exceeded if recommended or required by manufacturer of system hardware.
- 3.14.3.** TIA 485-A Cabling: Install at a maximum distance of 4000 ft.
- 3.14.4.** Card Readers and Keypads:
  - 3.14.4.1. Install number of conductor pairs recommended by manufacturer for the functions specified.
  - 3.14.4.2. Unless manufacturer recommends larger conductors, install No. 22 AWG wire if maximum distance from controller to the reader is 250 ft., and install No. 20 AWG wire if maximum distance is 500 ft.
  - 3.14.4.3. For greater distances, install "extender" or "repeater" modules recommended by manufacturer of the controller.
  - 3.14.4.4. Install minimum No. 18 AWG shielded cable to readers and keypads that draw 50 mA or more.
- 3.14.5.** Install minimum No. 16 AWG cable from controller to electrically powered locks. Do not exceed 250 ft.
- 3.14.6.** Install minimum No. 16 AWG ac power wire from transformer to controller, with a maximum distance of 25 ft.

### **3.15. CABLING**

- 3.15.1.** Comply with NECA 1, "Good Workmanship in Electrical Construction."
- 3.15.2.** Wiring Method: Install wiring in established cable pathways and where no established pathways exist, J-hooks of appropriate size will be installed except within consoles, cabinets, desks, and counters. Conceal raceway and wiring except in unfinished spaces.
- 3.15.3.** Wiring Method: Use NRTL-listed plenum cable in environmental airspaces, including plenum ceilings
- 3.15.4.** Install LAN cables using techniques, practices, and methods that are consistent with Category 5E rating of components and fiber-optic rating of components, and that ensure Category 6 and fiber-optic performance of completed and linked signal paths, end to end.
- 3.15.5.** Boxes and enclosures containing security-system components or cabling, and which are easily accessible to employees or to the public, shall be provided with a lock. Boxes above ceiling level in occupied areas of the building shall not be considered accessible. Junction boxes and small device enclosures below ceiling level and easily accessible to employees or the public shall be covered with a suitable cover plate and secured with tamperproof screws.
- 3.15.6.** Enclosures containing security-system components and cabling will be ran in raceway or finger duct of adequate size allowing wires to be neatly contained and dressed within the enclosure.
- 3.15.7.** Install end-of-line resistors at the field device location and not at the controller or panel location.

### **3.16. GROUNDING**

- 3.16.1.** Comply with Division 26 Section "Grounding and Bonding for Electrical Systems."
- 3.16.2.** Comply with IEEE 1100, "Recommended Practice for Power and Grounding Electronic Equipment."
- 3.16.3.** Ground cable shields, drain conductors, and equipment to eliminate shock hazard and to minimize ground loops, common-mode returns, noise pickup, cross talk, and other impairments
- 3.16.4.** Bond shields and drain conductors to ground at only one point in each circuit.
- 3.16.5.** Terminal: Locate in each equipment room and wiring closet; isolate from power system and equipment grounding.
  - 3.16.5.1. Bus: Mount on wall of main equipment room with standoff insulators.
  - 3.16.5.2. Backbone Cable: Extend from signal ground bus to signal ground terminal in each equipment room and wiring closet.

### **3.17. PANEL SUPPORT**

- 3.17.1.** Advanced distributed architecture will be adhered to with all security-system components located within designated enclosures designed for up to eight access controlled interfaces.
- 3.17.2.** Enclosures will be located within the nine designated network/Telecommunications rooms and the one elevator equipment room.
  - 3.17.2.1. Locations of enclosures will be reviewed with owner and agreed upon by all parties.
- 3.17.3.** Adequate space in each Network/Telecommunications Rooms to allow for future expansion
  - 3.17.3.1. Enclosures shall be located in a manner that will allow for future enclosures to be added.
  - 3.17.3.2. The number of enclosures or the space within the enclosures in each of the rooms containing security-system components will be such that future access controlled devices can be added without the need for adding enclosures, power supplies, raceway/finger duct, or fused outputs.
- 3.17.4. Labeling**
  - 3.17.4.1. Enclosures will have printed labels designating the location and number of enclosure corresponding to the description in the SMS software.
  - 3.17.4.2. Controllers shall have printed labels designating location, enclosure, and number of controller corresponding to the description in the SMS software.
  - 3.17.4.3. Field wiring entering the enclosure will be labeled using a wire wrap around adhesive printed label designating field location.
    - 3.17.4.3.1. Labels will correspond to the description in the SMS Software.
    - 3.17.4.3.2. When multiple wires of the same type are utilized at one location the device must also be labeled on the wire.

### **3.18. FIELD TERMINATION**

- 3.18.1. Existing security-system components and enclosures**
  - 3.18.1.1. Security-system components will be removed and discarded in an environmentally friendly manner.
  - 3.18.1.2. Enclosures will be removed and any large holes repaired.
  - 3.18.1.3. 120v AC will have the wires disconnected at the closest junction box with the appropriate wire nuts attached to the three conductors preventing any shorts.
  - 3.18.1.4. If no junction box is not easily accessible a four square box with cover may be used at the end of the conduit with wire nuts on all conductors.
- 3.18.2. Field Cabling**
  - 3.18.2.1. New cables will be home ran from the headend to the device with no splice points.
  - 3.18.2.2. Field cabling to device connection will utilize B-Connectors.
  - 3.18.2.3. Every connection point shall be taped using white or black electrical tape.

### 3.19. Special Conditions & Provisions:

- 3.19.1. Brand Name Only:** All products referenced in this solicitation shall be Brand Name Only.
- 3.19.2. 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.
- 3.19.3. 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.
- 3.19.4. Licenses and Permits:** Contractor is responsible for obtaining all necessary licenses and permits required for Construction, at Contractors expense. Contractor shall supply to Owner all copies of finalized permits.
- 3.19.5. Working Days and Hours:** The working days and hours shall be as follows: All work shall be performed between the hours of 7:00 AM to 10:00 PM, 7 days a week, with the exception of Holidays.
- 3.19.6. Time of Completion:** The scheduled time of Completion for the Project is 60 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.
- 3.19.7. 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.
- 3.19.8. 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.
- 3.19.9. Background Checks:** All contractors, sub-contractors, employees and associates of the awarded contractor shall be subject to background checks at the request and expense of the Owner.
- 3.19.10. Invoicing:** Invoices may be submitted to the Owner upon the delivery of products and upon partial payments for work completed. Invoices shall be submitted to:

Mesa County Facilities  
2785 Highway 50  
Grand Junction, CO 81503  
Emailed: [greg.linza@mesacounty.us](mailto:greg.linza@mesacounty.us)

- 3.20. Mandatory Pre-Bid Meeting:** Prospective bidders are required to attend a mandatory pre-bid meeting on June 29, 2016 at 9:00 AM MDT. Meeting

location shall be in the Location at the Mesa County Justice Center, located at 125 N Spruce St, Grand Junction, CO, 81501. The purpose of this visit will be to inspect and to clarify the contents of this Invitation for Bids (IFB).

**3.21. IFB Time Schedule:**

- |   |                                       |
|---|---------------------------------------|
| • Invitation for Bids available                   | June 15, 2016                         |
| • Site Visit/Briefing                             | June 29, 2016                         |
| • Inquiry deadline, no questions after this date  | July 6, 2016                          |
| • Addenda Issued by                               | July 7, 2016                          |
| • Submittal deadline for proposals                | July 12, 2016                         |
| • Bonding & Insurance Cert due**                  | July 22, 2016                         |
| • Board of County Commissioners (BoCC) Approval** | August 8, 2016                        |
| • Work begins                                     | Upon BoCC Approval                    |
| • Final Completion                                | 60 Calendar Days<br>from NTP issuance |

\*\*Items are tentative

**3.22. Questions Regarding Scope of Services:**

Nicholas C Jones, Buyer  
[Nickj@gjcity.org](mailto:Nickj@gjcity.org)

## **4. Contractor's Bid Form**

**Bid Date:** \_\_\_\_\_

**Project:** IFB-4253-16-NJ Justice Center Security Management System

**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 Solicitation Documents 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.

**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.

**PRICE BID SCHEDULE: IFB-4253-16-NJ Justice Center Security Management System**

Item No.	Description	Lump Sum Price
1	Lump Sum Price to provide all materials, labor, fees etc. necessary for the replacement of the Justice Center Security Management System as Specified:	

**Total Bid Price Written:**

\_\_\_\_\_

- Direct purchases by Mesa County are tax exempt from Colorado Sales or Use Tax. Tax exempt #98-04241.
- The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.
- Prompt payment discount of \_\_\_\_\_percent of the net dollar amount will be offered to the Owner if the invoice is paid within \_\_\_\_\_ days after the receipt of the invoice.
- The undersigned certifies and agrees that this bid is submitted in accordance with all applicable Federal, State, County, and City laws.

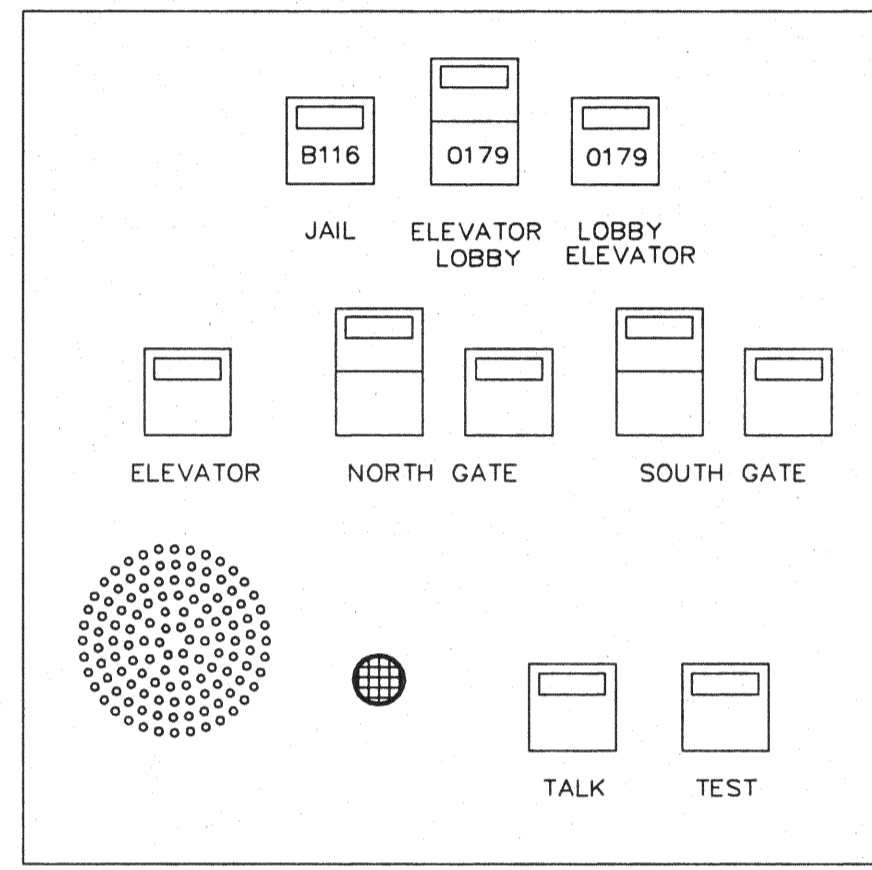
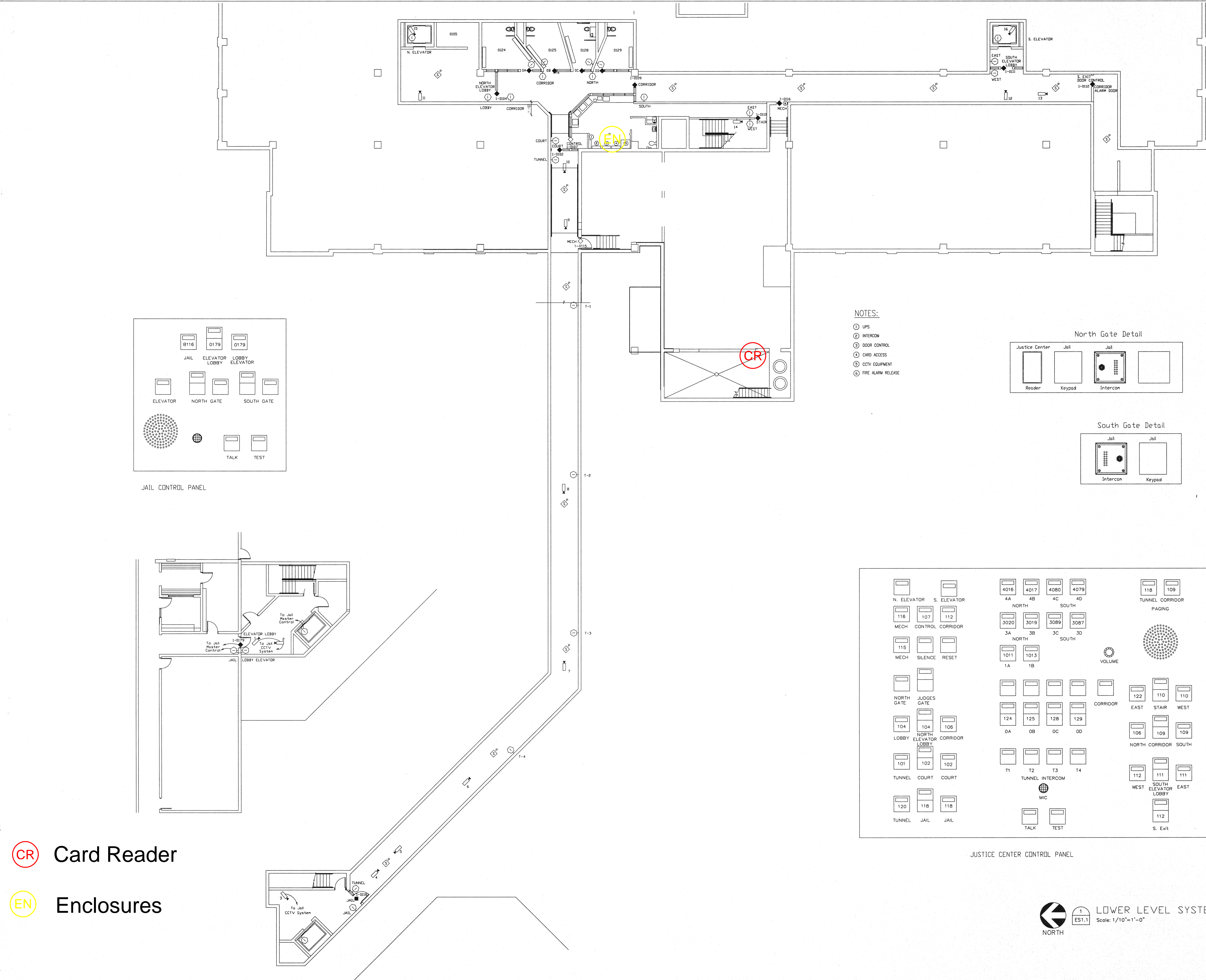
*By signing below, the Undersigned agree to comply with all terms and conditions contained herein.*

**Company:** \_\_\_\_\_

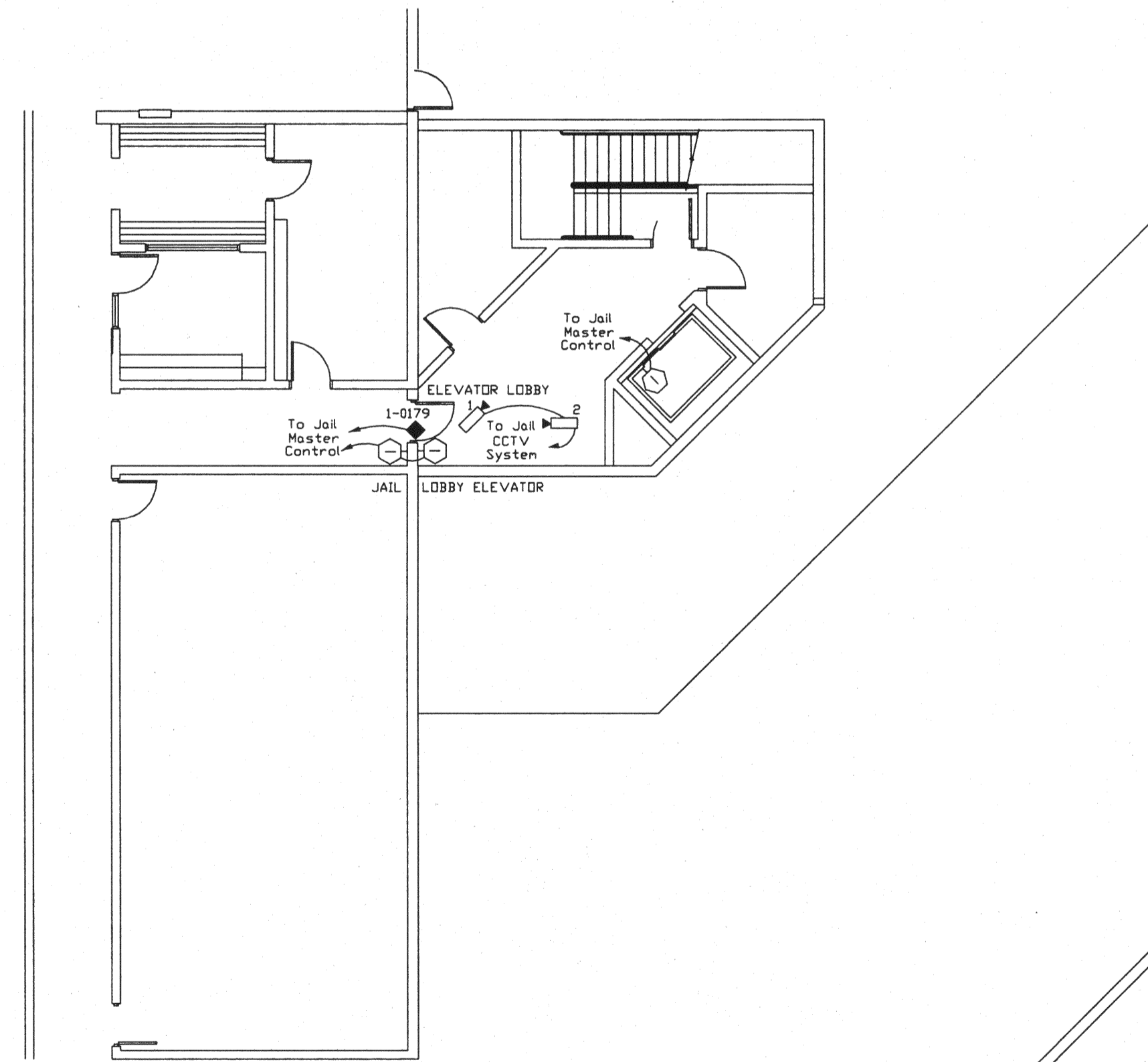
**Authorized Signature:** \_\_\_\_\_

**Title:** \_\_\_\_\_

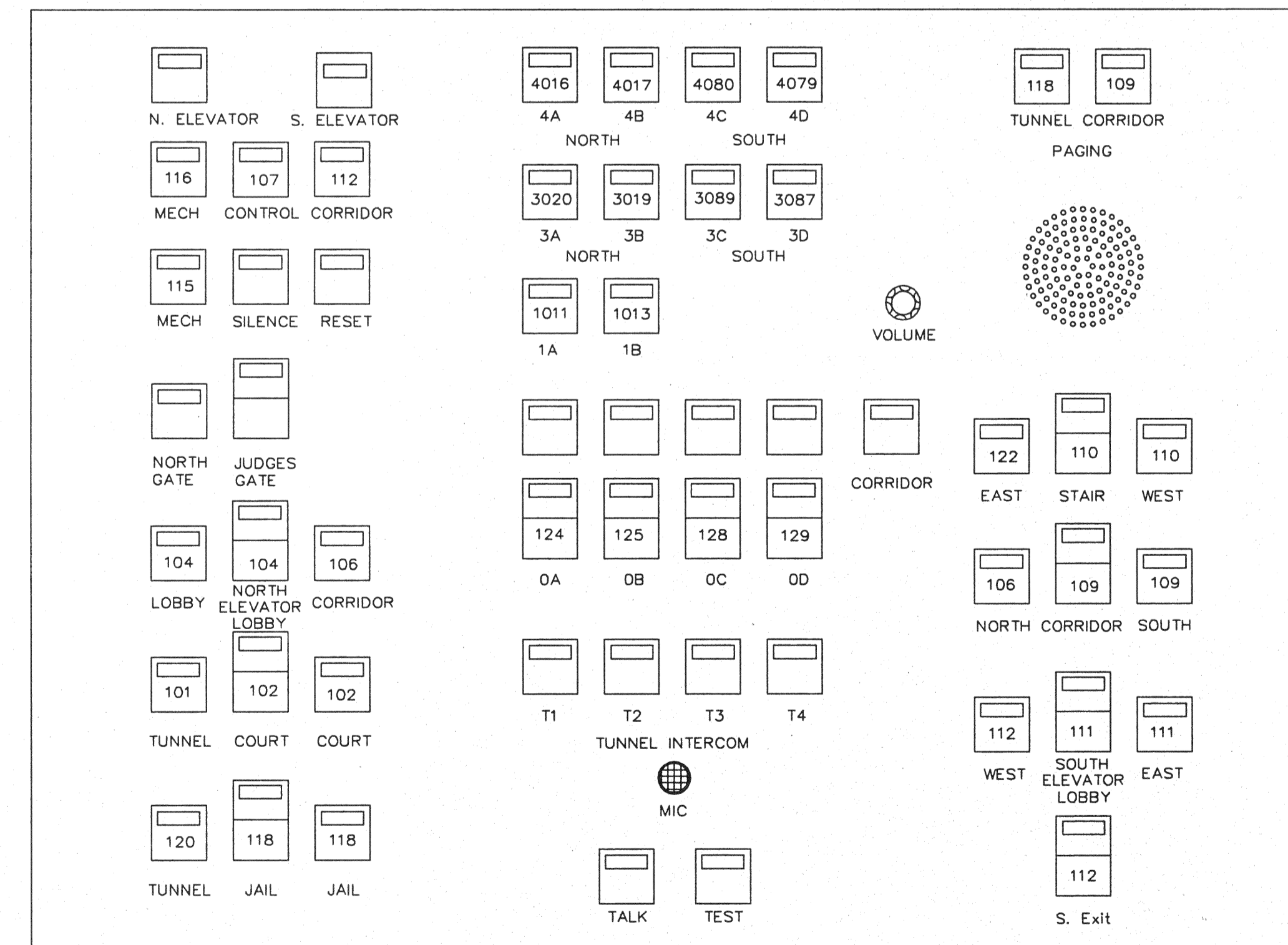
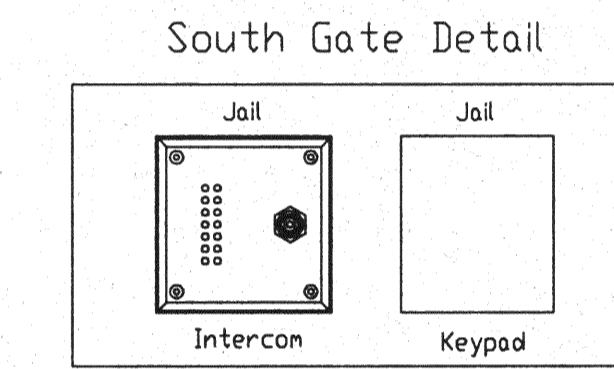
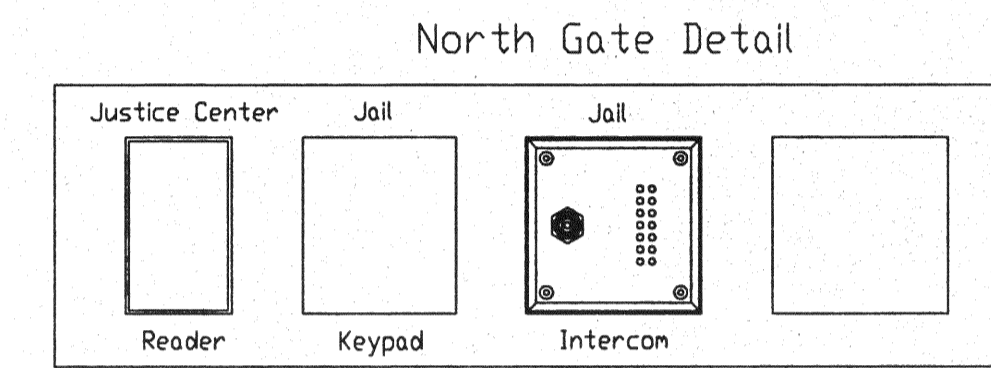




JAIL CONTROL PANEL



- NOTES:
- ① UPS
  - ② INTERCOM
  - ③ DOOR CONTROL
  - ④ CARD ACCESS
  - ⑤ CCTV EQUIPMENT
  - ⑥ FIRE ALARM RELEASE



JUSTICE CENTER CONTROL PANEL

**CR** Card Reader

**EN** Enclosures

NORTH  
 1 ES1.1 LOWER LEVEL SYSTEMS PLAN  
 Scale: 1/10"=1'-0"

Lower Level  
Systems Plan

Division 13  
Special Systems

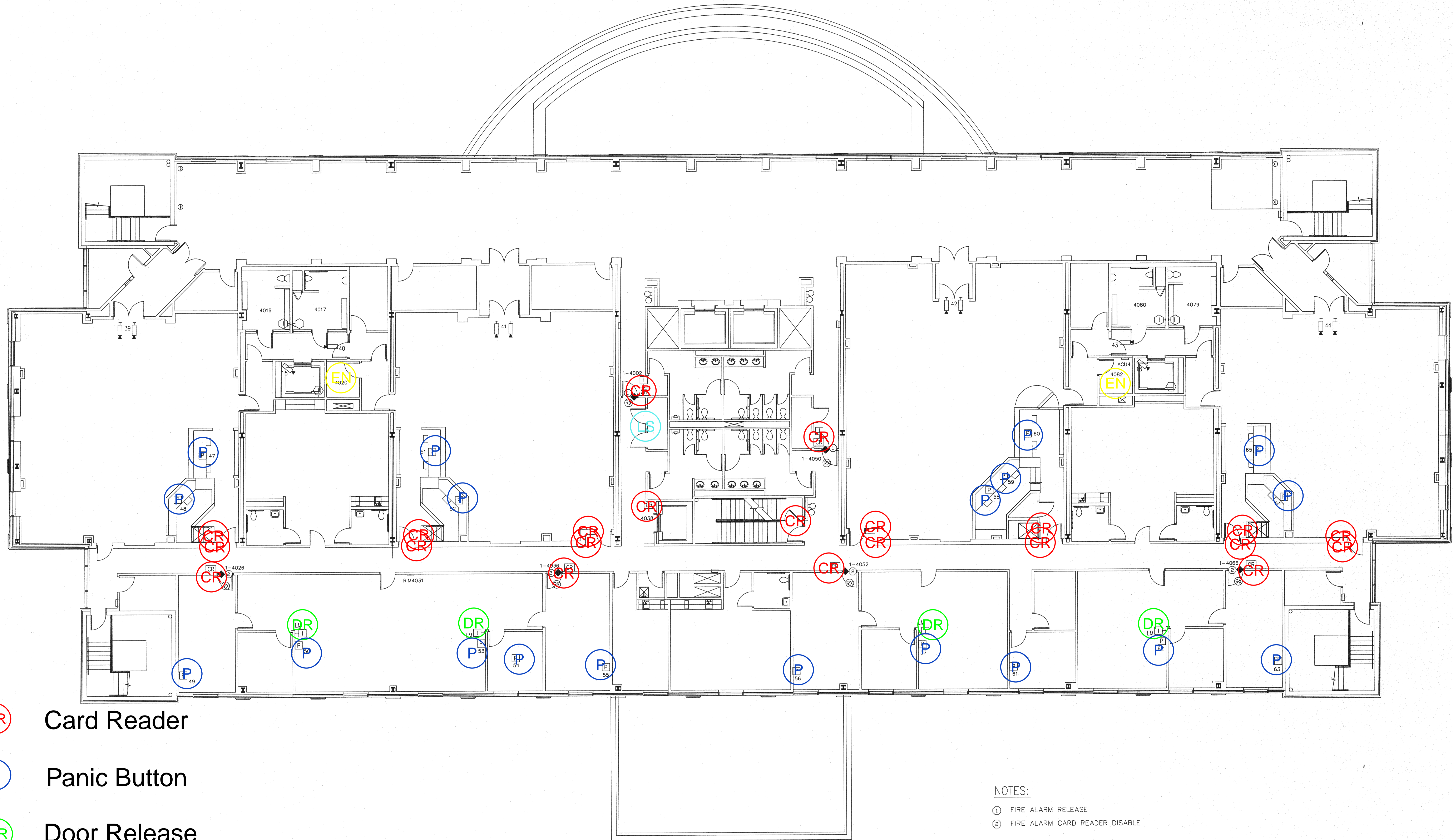
**B&B** Electric  
2818 1/2 North Ave.  
Grand Junction, CO

PROJECT NO.: 5252  
 DATE ISSUED: 1/31/01  
 DATE REVISED:  
 DRAWN BY: Greg Tolle  
 SHEET SIZE: 42x30

Mesa County Justice Center  
Grand Junction, Colorado

SHEET NO.  
ES1.1

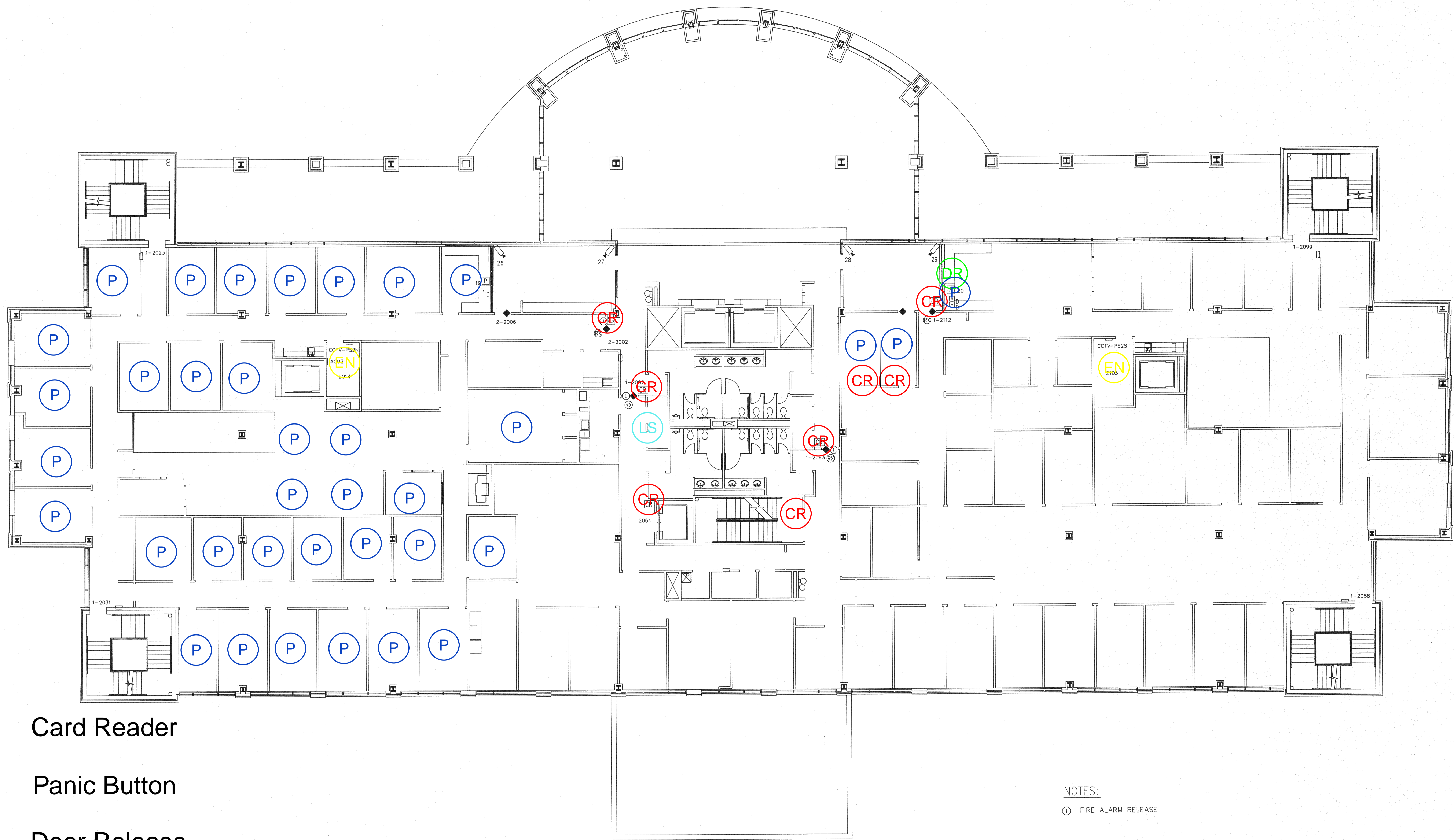




- CR Card Reader
- P Panic Button
- DR Door Release
- LS Light switch
- EN Enclosures

NOTES:  
 ① FIRE ALARM RELEASE  
 ② FIRE ALARM CARD READER DISABLE

1 FOURTH FLOOR SYSTEMS PLAN  
 ES1.5 Scale: 1/8"=1'-0"



- CR Card Reader
- P Panic Button
- DR Door Release
- LS Light Switch
- EN Enclosures

NOTES:  
 ① FIRE ALARM RELEASE

1 ES1.3 SECOND FLOOR SYSTEMS PLAN  
 Scale: 1/8"=1'-0"

Second Floor  
Systems Plan

Division 13  
Special Systems

B&B Electric  
 2818 1/2 North Ave.  
 Grand Junction, CO.

PROJECT NO: 5252  
 DATE ISSUED: 1/31/01  
 DATE REVISED:  
 DRAWN BY: Greg Tolle  
 SHEET SIZE: 42x30

Mesa County Justice Center  
Grand Junction, Colorado

SHEET NO.  
ES1.3

