MATANUSKA-SUSITNA
BOROUGH SCHOOL DISTRICT

BID #B24-03

SECURITY UPGRADES AT THE MSBSD ADMINISTRATION BUILDING

Due Date and Time: December 29, 2023 at 2:00 P.M.

Enclosed:

Bid
Documents
and
Affidavit

Matanuska-Susitna Borough School District

Purchasing Department
690 Cope Industrial Way
Palmer, AK 99645

P: (907) 861-5120 || F: (907) 861-5184
bids@matsuk12.us
www.matsuk12.us/bids

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ADVERTISEMENT

	DATE OF ADVERTISEMENT
Frontiersman	December 1 and 3, 2023
Anchorage Daily News	December 1 and 3, 2023

Type of Ad: Classified / Public Notice

The material herein must be printed in its entirety on the dates shown above. Affidavit of publication is required prior to payment.

Matanuska-Susitna Borough School District Bid

BID #B24-03

SECURITY UPGRADES AT THE MSBSD ADMINISTRATION BUILDING

Notice is hereby given that the Matanuska-Susitna Borough School District (MSBSD) will consider bids from qualified individuals and firms for the provision of:

SECURITY UPGRADES AT THE MSBSD ADMINISTRATION BUILDING

Bids are due on or before December 29, 2023 at 2:00 P.M. Palmer, Alaska time. Sealed bids must be submitted and received by the MSBSD Purchasing Department, 690 Cope Industrial Way, Palmer, AK 99645, on or before said date and time designated for receipt of bids. All bids must be marked" BID #B24-03 ."

Bid documents can be viewed on the MSBSD website at www.matsuk12.us/bids and are also available at the MSBSD Purchasing Department, 690 Cope Industrial Way, Palmer, AK 99645. For more information, call (907) 861-5120.

A pre-bid conference will be held on December 8, 2023. Attendance is not mandatory, but it is highly recommended that bidders attend. For more information, please refer to Appendix 6 of the bid documents. MSBSD personnel will be available. All questions will be answered in writing and issued as an addendum to the bid documents.

The MSBSD reserves the right to accept or reject any or all bids and waive any minor technicalities, informalities, and/or irregularities as it deems appropriate.

11/28/23	Requested By:	A. Carney	Approved By:	B. Munson

MATANUSKA-SUSITNA
BOROUGH SCHOOL DISTRICT

SECURITY UPGRADES AT THE MSBSD ADMINISTRATION BUILDING

BID #B24-03

INVITATION TO BID

THIS IS NOT A PURCHASE ORDER

The Matanuska-Susitna Borough School District (MSBSD) is requesting bids from qualified bidders to provide

SECURITY UPGRADES AT THE MSBSD ADMINISTRATION BUILDING

as specific herein.

Bids will be accepted until	December 29, 2023	at	2:00 P.M.
Questions will be accepted until	December 14, 2023	at	4:00 P.M.

BIDDER USE ONLY

THIS PAGE MUST BE COMPLETELY FILLED IN, SIGNED, AND RETURNED WITH YOUR PACKET.

Company Name

Address

City | State | Zip

Telephone Number | Fax Number

State of Alaska Business License Number | Matanuska-Susitna Borough Business License Number

Authorized Signature | Printed Name | Date

INSTRUCTIONS TO BIDDERS

1. GENERAL INFORMATION:

The Matanuska-Susitna Borough School District (MSBSD) is soliciting bids from qualified bidders to provide the scope of services as specified in Attachment A, Scope of Services. Copies of the bid documents can be viewed in the Purchasing section of the MSBSD website at www.matsuk12.us/bids and can be obtained in the Purchasing Department at 690 Cope Industrial Way, Palmer, Alaska 99645 or by calling (907) 861-5120. Office hours are 7:00am - 4:30pm, Monday through Friday.

Bids must be fully executed, signed by each bidder, and enclosed in a sealed envelope with the bidder's name, address, and phone number clearly indicated on the outside, as per Section 8 of this Instructions to Bidders. Bids must be submitted to the MSBSD Purchasing Department at 690 Cope Industrial Way, Palmer, Alaska 99645. Signed bids must be in the office of the MSBSD Purchasing Department on or before the date and time designated for receipt of bids. **The MSBSD will not accept or consider bids that are oral, telephonic, telegraphic, faxed, e-mailed, or otherwise electronically transmitted.**

2. GENERAL STATEMENT:

In rendering the services hereunder, the selected bidder shall adhere to the following general terms and conditions. The term "selected bidder" refers to the bidder awarded a contract to provide services and/or products as required herein. The term "agreement" hereafter refers to this Invitation to Bid, any and all attachments and appendices, any and all addenda, and the bidder's response and acceptance by the MSBSD. A contract may be issued upon award of this bid.

3. PRE-BID CONFERENCE:

A pre-bid conference will be held on December 8, 2023. Attendance is not mandatory, but it is highly recommended that bidders attend. For more information, please refer to Appendix 6 of the bid documents. MSBSD personnel will be available. All questions will be answered in writing and issued as an addendum to the bid documents.

4. EXAMINATION OF BID DOCUMENTS:

A. Bidders shall carefully examine the bid documents before submitting a bid. The submission of a bid shall be an admission that the bidder has made such examination and is satisfied as to the conditions to be encountered in performing the work and as to the requirements and accuracy of the bid documents.

B. The MSBSD assumes no responsibility for any understanding or representations concerning conditions made by any of its officers, agents, or employees prior to the execution of the bid, unless such understanding or representations are expressly stated in the bid documents or addenda.

C. Bidders shall include in their bid sums sufficient to cover all items and services required by the bid documents, and shall rely entirely upon their own examination in making their bid. The submission of a bid shall be taken as prima facie evidence of compliance with this paragraph.

5. INTERPRETATION OR CORRECTION OF BID DOCUMENTS:

Bidders shall notify the Purchasing Department promptly of any error, omission, or inconsistency that may be discovered during examination of the bid documents. Requests from bidders for interpretation or clarification of the bid documents shall be made in writing to the Purchasing Department by

December 14, 2023 at 4:00 P.M. Palmer, Alaska time.

Any questions received after this date and time will not be answered. Questions should reference the applicable bid number and title and can be submitted by mail, fax, or e-mail to the following:

Mail: MSBSD Purchasing Department; 690 Cope Industrial Way; Palmer, AK 99645
Fax: MSBSD Purchasing Department; (907) 861-5184
E-mail: bids@matsuk12.us

5. INTERPRETATION OR CORRECTION OF BID DOCUMENTS (CONT.):

Interpretations, corrections, responses to questions, and changes of the Bid Documents will be made by addenda. Interpretations, corrections, responses to questions, and changes of the Bid Documents made in any other manner will not be binding on the MSBSD and bidders shall not rely on them. All addenda issued shall become part of the agreement documents. It is the bidder's sole responsibility to ascertain that they have received all addenda issued by the Purchasing Department. Each addendum will be issued by both fax machine and U.S. mail. All addenda will also be posted in the Purchasing section of the MSBSD website at www.matsuk12.us/bids. **All addenda must be acknowledged in the space provided on Appendix 1 or the bid may be deemed non-responsive.**

6. PREPARATION AND SUBMISSION OF BIDS:

A. Each bid must be signed in longhand by the bidder with their usual signature. Bids submitted by partnerships must be signed with the partnership name by one of the partners, followed by the signature and designation of the partner signing. Bids submitted by corporations must be signed with the legal name of the corporation, followed by the name of the state of incorporation, and the signature of the president, secretary, or other person authorized to bind in the matter. The full name and address of each person signing shall be typed or printed below the signature.

B. Bids shall be submitted on the forms furnished and must be manually signed. Bids must be submitted in a sealed envelope and addressed as indicated in Section 8 of this Instructions to Bidders.

C. Bids shall specify a price, typed or written in ink, for each bid item called for. Bids may be rejected if they show an omissions, alteration of the forms, additions not called for, conditional or alternate bids not called for, qualified bids, or irregularities of any kind.

D. Bidders shall bear all costs directly or indirectly related to preparing a bid, preparing presentations or supplements, and/or clarifying a bid as may be required by the MSBSD in response to this solicitation.

7. SUBMITTAL REQUIREMENTS:

All of the following must be included with the bid or the bid may be considered non-responsive and be rejected:

A. Invitation to Bid signature page, signed by responsible party.

B. Bid Form, fully executed and signed.

C. Appendix 1, Addendum Acknowledgement, fully executed and signed.

D. Appendix 2, Non-Collusion Certificate, fully executed and signed.

E. Evidence of Insurance, as required in the Invitation to Bid and Appendix 3, will be required prior to an award to the successful bidder.

F. Appendix 4, Vendor Paperwork, fully executed.

G. Appendix 5, Proposed Subcontractors and Suppliers List, fully executed (if applicable)

H. Copies of Alaska Business License and all other licenses, certificates, or permits required by city, borough, state, and federal law as applicable.

I. Any additional submittal requirements per Attachment A: Scope of Services.

8. BIDS:

A. Signed bids **MUST** be in the MSBSD Purchasing Department office on or before

December 29, 2023 at 2:00 P.M. Palmer, Alaska time.

B. It is the responsibility of all bidders to ensure that their bids and associated documents are in the office of the Purchasing Department prior to the date and time designated for receipt of bids. Bids **MUST** be in **SEALED** envelopes clearly marked as follows:

Bid Number: BID #B24-03

Bid Title: SECURITY UPGRADES AT THE MSBSD ADMINISTRATION BUILDING

Due: December 29, 2023 at 2:00 P.M.

8. BIDS (CONT.):

C. Bidders are cautioned that mailed bids which arrive after the date time designated for receipt of bids will not be opened or considered. Bidders are further cautioned not to rely on the U.S. Postal System or any other second party for timely delivery of their bid. It is the bidder's sole responsibility to ensure that their bid and associated documents are in the physical possession of the Purchasing Department prior to the date and time scheduled for receipt of bids.

D. All bids shall be submitted on the attached bid forms in the spaces indicated and must comply with these instructions. The bid must be completed and signed by an authorized representative of the firm submitting the bid.

E. Scheduled bid openings are open to the public and are located in the Purchasing Department.

9. WITHDRAWAL FROM CONSIDERATION:

Bids may be withdrawn upon written request delivered to the MSBSD Purchasing Department on or before the date and time designated for receipt of bids. However, no bidder shall withdraw or cancel their bid for a period of ninety (90) calendar days prior to the date and time designated for receipt of bids, nor shall the selected bidder withdraw, cancel or modify their bid after having been notified by the Purchasing Department that said bid has been accepted by the MSBSD.

10. MODIFICATION OF BIDS:

Prior to the date and time designated for receipt of bids, a bid may be modified or withdrawn by notice to the MSBSD at the place designated for receipt of bids. Such notice shall be in writing over the signature of the bidder. That notice shall be date and time stamped by the MSBSD on or before the date and time designated for receipt of bids. A modification must not reveal the amount of the original bid. A bid bond, if required, shall be in an amount sufficient for the bid as modified.

11. AWARD OF CONTRACT:

A. The MSBSD will award a contract to the lowest responsive and responsible bidder. This bid will be awarded on the basis defined in Attachment A, Scope of Services.

B. The MSBSD, as it deems appropriate, shall have the right to reject any and all bids. Bids may be rejected if they do not include a required bid bond or other data required by the bid documents. All responsive bids may be rejected if the MSBSD, in its sole judgment, considers them too costly.

C. The MSBSD has the right to accept Alternatives in any order or combination unless otherwise specifically provided in the Bid Documents, and to determine the low bidder on the basis of the sum of the Base Bid and Alternatives accepted.

D. In determining the lowest responsive and responsible bidder, the MSBSD may consider, in addition to price, at any point in the selection process, any of the following factors:

I. The ability, capacity, and skill of the bidder to perform the contract.
II. Whether the bidder can perform the contract within the time specified without delay or interference.
III. The character, integrity, judgment, experience, and efficiency of the bidder.
IV. The quality of performance by the bidder on previous contracts of a similar nature.
V. Whether the bidder is in arrears on any existing contract with the MSBSD or is in litigation, arbitration, or other legal dispute with the MSBSD.
VI. Previous compliance by the bidder with laws and regulations relating to the contract.
VII. The number and scope of conditions attached to the bid.
VIII. The number and scope of minor variations contained in the bid.
IX. If the contract is one which will require future maintenance or repairs, the availability of replacements, replacement parts, and maintenance service for any machinery, equipment, or other material proposed to be installed or supplied by the bidder.
X. The quality, availability, and adaptability of the supplier, equipment, or contractual services to the particular use required.
XI. Whether the bidder is prepared to furnish supplies, equipment, or contractual services which meet the specifications of the MSBSD.

E. The MSBSD reserves the right to make award within a ninety (90) calendar day award period from the date the bids are opened. Bids submitted must be firm for the award period and the contracted service period.

12. AVAILABILITY OF FUNDS:

A. The MSBSD reserves the right, at its sole discretion, to cancel this Invitation to Bid or any part thereof, at any time, prior to an award of contract issued under this Invitation to Bid.

12. AVAILABILITY OF FUNDS (CONT.):

B. Awards are contingent upon the appropriation of MSBSD budget funds.

13. REQUEST FOR ADDITIONAL INFORMATION:

A. The MSBSD reserves the right to request current audited financial statements; qualifications of management personnel, including project manager or field supervisors performance references; or other information deemed relevant at any time prior to bid award. Bidder agrees to provide such requested information within three (3) business days of the request.

B. Prior to the final selection, bidders may be required to submit additional information, which the MSBSD may deem necessary to further evaluate the bids.

C. The MSBSD reserves the right to make investigations of the qualifications of the bidder as it deems appropriate, including but not limited to a background investigation conducted by proper authorities.

14. PUBLIC RECORDS CLAUSE:

This Invitation to Bid and the resulting bids received, together with copies of all documents pertaining to the award of a contract, will be kept by the Purchasing Department and made a part of the record which will be open to public inspection, unless restricted by the bidder and School Board Policy, once the Notice of Intent to Award has been issued. If a bid contains any information which is proprietary or confidential, each page of the confidential information must be clearly marked with a diagonal watermark that reads "CONFIDENTIAL"; such information will be kept confidential if appropriate and will not be released to the public. The MSBSD is not responsible for the release of any documents not marked in this manner. A confidential watermark is required. The bid tabulation sheet shall be open to public inspection as soon as practicable after the Notice of Intent to Award has been issued.

15. PROTEST OF AWARD:

The MSBSD has a process in place for an unsuccessful bidder to submit a written protest, requesting a review of the bid award.

A. An unsuccessful bidder must submit its protest within [three (3)] days of the date of the Notice of Intent to Award issued by the MSBSD's Purchasing Department.

B. The protest must be made in writing, delivered to the same location as the original bid, and must set forth in detail the reason(s) for the protest, with specific reference to the relevant provision of the Bid Documents.

C. Upon receipt of the protest, the Purchasing Department shall schedule an informal hearing to include the successful bidder, the protesting bidder, the Assistant Superintendent of Business and Operations, and a representative of the Purchasing Department. At such time, the bidder making protest can express his/her concerns with said award.

D. Following the informal hearing, the Assistant Superintendent of Business and Operations will send the MSBSD's decision on the protest to all involved parties.

E. If the contract award for the proposed project is required to be approved by the MSBSD School Board, the involved parties will be notified of the date and time of the applicable School Board meeting.

16. CONTRACT:

The contract between the MSBSD and the bidder shall consist of (1) the Invitation to Bid and any attachments and/or amendments and/or addenda thereto; (2) the bid submitted by the bidder in response to the Invitation to Bid; and (3) the actual written agreement or contract. In the event of a conflict in language between the documents referenced above, the provisions and requirements set forth and/or referenced in the bid documents shall govern.

17. INSURANCE:

It is specifically agreed between the parties executing this agreement that it is not intended by any of the provisions of this agreement to create in the public or any member thereof a third-party benefit hereunder, or to authorize anyone not a party to this agreement to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this agreement. The successful bidder shall procure and maintain minimum insurance requirements and shall provide all required documentation as per attached Appendix 3 to the MSBSD upon award of this agreement. Failure to furnish proper evidence of insurance, or the lapse of insurance required under the provisions of this agreement, may be grounds for termination. The duties required under this subsection shall survive the termination expiration of this agreement. **It is highly recommended that the**

17. INSURANCE (CONT.):
bidders confer with their respective insurance companies or brokers to determine if their insurance program complies with the MSBSD's insurance requirements, as per attached Appendix 3.

18. LICENSES:
All individuals or businesses conducting business within the State of Alaska and within the Matanuska-Susitna Borough are hereby advised that they must obtain both a State of Alaska and a Matanuska-Susitna Borough business license. For information on how to obtain the appropriate business license or see if any exemptions may apply, please visit the following websites.

State of Alaska:
https://www.commerce.alaska.gov/web/cpbl/BusinessLicensing/BusinessLicensingFormsFees.aspx

Matanuska-Susitna Borough
http://www.matsugov.us/business-licenses

19. INVOICES AND METHOD OF PAYMENT:
Billings for services must be verified by a responsible representative of the MSBSD before payment can be made. Payments shall be made to the bidder within thirty (30) calendar days after the MSBSD receives and approves a written request for payment or invoice. The request for payment or invoice may be submitted to the MSBSD, Attn: Accounting Department, 501 N. Gulkana St., Palmer, AK 99645, or invoices can be e-mailed to accounting@matsuk12.us.

20. FEDERAL EXCISE TAXES:
The MSBSD is exempt from Federal Excise Taxes. An Exemption Certificate will be furnished upon request.

21. MODIFICATIONS:
The MSBSD may, from time to time, require modifications in the scope of services to be performed under this agreement. However, it is expressly understood that this agreement shall not under any circumstances be modified without written authorization from the MSBSD. All modifications in the terms of this agreement, to include adding additional schools or sites, shall be incorporated by written amendments to this agreement executed by both parties.

22. INDEMNIFICATION:
A. The Contractor shall indemnify, defend, and hold harmless the MSBSD from and against any claim of, or liability for, independent or sole negligent acts, errors, omissions, or willful misconduct of the Contractor under this Agreement. The Contractor is not required to indemnify, defend, or hold harmless the MSBSD for any claim of, or liability for, the independent or sole negligent acts, errors, omissions, or willful misconduct of the MSBSD. If there is a claim of, or liability for, a joint negligent act, error, omission, or willful misconduct of the Contractor and the MSBSD, the indemnification, defense, and hold harmless obligation of this provision shall be apportioned on a comparative fault basis. In this provision, "Contractor" and "MSBSD" include the employees, agents, and contractors who are directly responsible, respectively, to each. In this provision, "independent or sole negligent acts, errors, and omissions" means negligence other than in the MSBSD's selection, administration, monitoring, or controlling of the Contractor, or in approving or accepting the Contractor's work.

B. Any and all claims that might arise under the Worker's Compensation Act on behalf of the Contractor or other persons while engaged in the performance of the duties or services contemplated, and any and all claims that might be made by any third party as a result of any act or failure to act, shall be the Contractor's sole obligation and the Contractor shall indemnify and defend the MSBSD and hold it harmless from any liability for any act or failure to act on the part of the Contractor.

23. PROTECTION OF EQUIPMENT AND PROPERTY:
The bidder assumes full responsibility for and shall indemnify the MSBSD for any loss or damage to any MSBSD property resulting in whole or in part from the acts or omissions of the bidders, or any employee, agent or representative of the bidder.

24. BIDDER'S PERSONNEL REQUIREMENTS:
The MSBSD may, by serving written notice, require the bidder to promptly remove from the site of work any employee or worker the MSBSD deems incompetent, careless, or otherwise objectionable including, but not limited to, violation of MSBSD policies relating to alcohol, illegal drugs or firearms on MSBSD property.

25. EQUAL EMPLOYMENT OPPORTUNITY:

Bidders, in submitting bids, certify that if awarded a contract under this Invitation to Bid, they will not discriminate against any employee or applicant for employment because of race, color, religion, gender, age, national or ethnic origin, disability, marital status, change in marital status, pregnancy, parenthood, or any other basis prohibited by Alaska state or federal laws. The bidder will take affirmative action to ensure non-discrimination. Such action shall include but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The bidder agrees to post in a conspicuous place, available to employees and applicants for employment, notices setting forth the provision of this non-discrimination clause.

26. DRUG, TOBACCO, AND ALCOHOL-FREE WORKPLACE:

The selected bidder agrees to comply with MSBSD School Board Policy (BP) 4020, Drug, Tobacco and Alcohol-Free Workplace. This policy states, in part: "In the interest of the health and safety of students and employees, it is a violation of this policy for students, staff, parents, visitors, contractors and all others to use, distribute or sell tobacco, any non-FDA-approved tobacco or nicotine delivery products or devices including but not limited to, cigarettes, cigars, dip, hookah pens, e-cigarettes, and dissolvable nicotine products on District premises, at school-sponsored activities on or off District premises and in District-owned, rented or leased vehicles."

27. CODE OF ETHICS:

A. The selected bidder shall comply with MSBSD School Board Policy BP 4119.21, Code of Ethics.

B. The selected bidder shall also comply with BP 3515.7, Restrictions on Sex Offenders on Campus. This policy states, in part: "To protect the morals, health, and safety of students, it is the policy of the district to deny entrance onto the premises of any district school or any building used for school activities to registered sex offenders or persons required to register under the sex offender registration act of whom the district has knowledge."

C. The selected bidder shall take affirmative action to ensure that no contractor, employee, or subcontractor who will be working on MSBSD property has a criminal record of any conviction for child abuse or assault, be on the State of Alaska or any State Sexual Offender Registry, or has been convicted of a crime of moral turpitude. Any waiver of this section must be in writing, signed by the District's Superintendent. The MSBSD has the right to verify such records at any time during the life of the contract.

28. OCCUPATIONAL SAFETY AND HEALTH WARRANTY:

If awarded the agreement, the bidder warrants that the products sold or services rendered shall conform to the standards and/or regulations promulgated by the U.S. Department of Labor under the Occupational Safety and Health Act of 1970 (29 U.S.C. 651, OL 91-596) and all amendments thereto. In the event the product sold does not conform to the OSHA standards and/or regulations, the MSBSD may return the product for correction or replacement at bidder's option and at bidder's expense. Services performed by the bidder which do not conform to OSHA standards and/or regulations must be corrected by bidder at bidder's expense or by the MSBSD at bidder's expense in the event bidder fails to make the appropriate correction within a reasonable time.

29. COMPLIANCE:

The selected bidder shall comply with all state, federal and local laws, regulations or orders applicable to the purchase, manufacture, processing and delivery of the service.

General Conditions:

I. General Statement: The following conditions shall be followed by the selected bidder. These conditions shall be adhered to, relative to any project for which the selected bidder provides services. The MSBSD reserves the right to delete or alter the following terms and conditions or to add additional terms and conditions at its discretion. The selected bidder shall perform services and otherwise comply with all conditions as set forth in this Invitation to Bid including all attachments and appendices hereto and all additional requirements identified in the bid documents.

II. Governing Laws: The agreement shall be governed as to performance and interpretation in accordance with the laws of the State of Alaska.

III. Compliance with All Laws: The bidder shall comply with all applicable laws, ordinances, executive orders and regulations of the federal, state, and local government, which may in any manner affect the performance of the agreement and all applicable MSBSD policies, rules and procedures.

IV. Relationship of All Parties: It is expressly understood and agreed by the bidder and the MSBSD that the bidder's relationship to the MSBSD is that of an independent contractor.

30. CONFLICT OF INTEREST:

A. The contracting party expressly represents that the contract is not contrary to MSBSD School Board Policy BP 2300, Conflict of Interest and that the contracting party has read and understands BP 2300. If this representation is false, the Superintendent may terminate the contract without regard to partial performance and in the event of such a termination, the MSBSD will have no further liability or obligation to the contracting party.

B. Any employee and/or employee with immediate family members that may have a financial interest in the contract must file an annual BP 2300, Conflict of Interest Affidavit with MSBSD. The following definitions apply to this policy: Immediate family member means an employee's grandparent, parent, child, grandchild, brother, sister, spouse, child of a spouse, or regular member of the employee's household.

31. ASSIGNMENTS AND SUBCONTRACTORS:

A. The bidder shall not sell, assign, transfer, or convey any contract resulting from this bid, in whole or in part, without the prior written consent of the MSBSD.

B. The bidder shall ensure that subcontractors are appropriately licensed, insured and bonded, and qualified to meet all of the requirements of this Invitation to Bid. If a bid with subcontractors is selected, the bidder must provide the following information concerning each prospective subcontractor within five (5) working days of the written request by the MSBSD:

I. The complete name and address of the subcontractor;
II. The type and percentage of work the subcontractor will perform;
III. Certificate of Insurance
IV. Other requested information relevant to the qualifications of the subcontractor.

C. contractors must comply with all licensing, indemnity, insurance limits, and insurance requirements imposed on the bidder.

32. TERMINATION FOR CAUSE:

A. If, through any cause, the bidder shall fail to fulfill in a timely and proper manner their obligation under this agreement, or if the bidder shall violate any of the covenants, agreements, or stipulations of any awarded contract, the MSBSD shall thereupon have the right to terminate this agreement by serving written notice to the bidder of such termination and specifying the effective date thereof, at least 30 (thirty) days before the effective date of such termination. However, if the MSBSD determines that the continuation of this agreement constitutes an imminent threat to the health and safety of its students and staff, this agreement may be terminated by the MSBSD effective immediately.

B. In the event it becomes necessary to terminate this agreement awarded as a result of this bid, regardless of the circumstances or time remaining on the contract, the bidder will be responsible for any and all expenses incurred by the MSBSD. These expenses can include, but are not limited to, cost of locating interim services, cost of re-issuing a bid, and any additional cost to the MSBSD by the new bidder greater than the current contract.

C. The bidder shall be entitled to receive just and equitable compensation for any satisfactory work completed in accordance with the payment provision as set forth under Section 18 of this bid document. Equitable compensation shall not exceed the amount reasonably billed for work actually done and expenses reasonably incurred. The MSBSD's contract administrator shall determine whether work completed is satisfactory.

33. TERMINATION FOR CONVENIENCE OF THE MSBSD:

A. The MSBSD may terminate any awarded contract or agreement at any time by serving written notice to the bidder of such termination and specifying the effective date of such termination at least 30 (thirty) days prior to the effective date of termination.

B. Upon termination of any awarded contract or agreement, the MSBSD shall pay the bidder any payments due at that time.

34. FAILURE OF FUNDING:

A. The MSBSD shall be excused from performance under the contract if funding is not appropriated.

B. The MSBSD may reduce the scope and amount ofservices provided under the contract to counteract a funding shortfall.

ATTACHMENT A:
SCOPE OF SERVICES

1. SCOPE

The Matanuska Susitna Borough School District (MSBSD) is seeking bids from qualified contractors to provide and install security upgrades at the MSBSD administration Building located at 501 N. Gulkana Street in Palmer, AK. The scope includes access control, doors and hardware, and electrical and data wiring. Please refer to the attached drawings for additional information.

2. GENERAL INFORMATION

A. All work will be completed in a workmanlike manner according to standard practices. The contractor is responsible for removal of debris and jobsite cleanup.

B. Any alteration or deviation from written specifications involving extra costs shall only be executed upon a written change order signed by both the contractor and the MSBSD. Each written notice of changed conditions shall be clearly identified as such and shall include an estimate of the cost and the contract time impact of the alleged changed condition.

C. The contractor can use the building power, water, and restroom facilities during construction. The contractor must provide their own dumpster for construction and demolition waste.

D. The Administration Building is occupied year-round so the contractor must coordinate work activities with the MSBSD Facilities Department. Night and weekend work is allowed to minimize disruptions to personnel. Work is not allowed during School Board meetings.

E. The MSBSD Facilities Department will supply and install the security cameras.

F. Work must be completed by May 15, 2024.

G. Contractor must provide minimum of a one (1) year warranty on work, plus any applicable product manufacturer warranties.

3. SCOPE

A. The Contractor is responsible for all work shown in Appendix 7: Admin Drawings.

B. Architectural work includes new interior doors and demising walls, renovation of existing flooring, renovations of existing ceilings, and installation of new hardware as noted in Appendix 7: Admin Drawings.

C. Electrical work includes demolition of existing lighting, and outlets, new security camera power and data, new power and data for security hardware, and new electrical runs with conduit for powered security hardware as noted in Appendix 7: Admin Drawings.

D. The MSBSD Facilities Department will be responsible for securing appropriate permits for the work.

4. CONTRACT AWARD

The MSBSD will recommend award of a contract to the lowest responsive and responsible bidder based on total base bid.

5. CONTRACT TERM

The term of any contract resulting from this solicitation shall run through May 15, 2024.

6. CONTRACT MANAGEMENT

At the commencement of any resulting contract, the MSBSD and the successful bidder shall each designate a contract administrator. Such persons shall be the respective party's single point of contact for purposes of management of the contract. The bidder's contract administrator shall assume responsibility for the coordination of all contract issues under the contract.

ATTACHMENT B:
SPECIAL CONDITIONS FOR CONSTRUCTION BIDS

1. **GENERAL INFORMATION:**
   The following special conditions apply to bids and contracts of a construction nature.

2. **CONTRACT MANAGEMENT:**
   At the commencement of the resulting contract, the MSBSD and the successful bidder shall each designate a project manager. Such person shall be the respective party's single point of contact for purposes of management of the contract. The bidder's project manager shall assume responsibility for the coordination of all contract issues under the contract.

3. **BONDS OF CONTRACTORS FOR PUBLIC BUILDING OR WORKS:**
   In certain circumstances, Alaska Statute AS 36.25.010 requires contractors to furnish to the state or a political subdivision of the state certain bonds, which become binding upon the award of the contract. If required, the successful bidder shall furnish a performance and payment bond in the full amount of the contract and shall maintain the bond in force during the duration of the contract. The bond shall be for the faithful performance of this contract in all respects including, but not limited to, payments for all materials and labor. All alterations, extensions of time, additional work, and other changes authorized by the contract documents may be made without securing the consent of the surety of sureties. The bond shall be with a corporate surety authorized to do business in Alaska, having an A.M. Best rating of B+7 or higher, and acceptable to the MSBSD. A Power of Attorney for the person signing the bond for the surety must be submitted with the bond.

4. **WAGE RATES (STATE OF ALASKA PREVAILING WAGE SCALE AND ALASKA HIRE):**
   Attention of bidders is particularly called to the requirements of conditions of employment to be observed and minimum wage rates to be paid under the contract. The requirements of Alaska's Little Davis Bacon Act (AS 36.050.010) are applicable to this project. All work performed "on-site" is covered and subject to the provisions of this act. Each bidder must inform themselves fully of the conditions relating to the construction of the project and the employment of labor thereon and adhere to those conditions. Failure to do so will not relieve a successful bidder of their obligation to furnish all material and labor necessary to carry out the provisions of the contract. The State of Alaska, Department of Labor, Wage and Hour Administration Pamphlet No. 600 is available online at http://labor.alaska.gov/lss/pamp600.htm. Laborers' and Mechanics' minimum rates of pay are updated April 1 and September 1 of each year. It is the responsibility of the bidder to obtain the new labor wage and hour rates when available from the State of Alaska, Department of Labor, and to use the prevailing wage scale and hiring requirements when formulating their bid.
   For the purposes of this Invitation to Bid, Issue # 47 , released September 1, 2023 will apply.

5. **LICENSES:**
   In addition to the licenses required in section 18 of the Instructions to Bidders, all individuals or businesses contracting for construction work under Alaska's Little Davis Bacon Act (AS 36.050.010) are hereby advised that they must obtain a contractor's license. For information on how to obtain the appropriate license or see if any exemptions may apply, please visit the following website: https://www.commerce.alaska.gov/web/cbpl/ProfessionalLicensing/ConstructionContractors.aspx.

6. **SUBCONTRACTORS:**
   Refer to Section 31 of the Instructions to Bidders, entitled "Assignments and Subcontractors", for the MSBSD's requirements regarding subcontractors.

7. **CONTRACTOR PERSONNEL:**
   The personnel identified or described in the bidder's proposal shall perform the services provided for the MSBSD under any resulting contract. The bidder agrees that any personnel substituted during the term of the contract must be able to conduct the required work to industry standards and be equally or better qualified than the personnel originally assigned. The MSBSD reserves the right to approve personnel assigned to work under the contract, and any changes or substitutions to such personnel. The MSBSD's approval of a substitution will not be unreasonably withheld. Any such approval or disapproval shall not relieve the bidder from its obligations under the contract. In the event that personnel become unavailable, it will be the bidder's responsibility to provide an equally qualified replacement in time to avoid delays to the work.

8. MEETINGS AND NOTIFICATIONS:

A. Technical or Contractual Problems: The bidder will be required to meet with the MSBSD's personnel, or designated representatives, to resolve technical or contractual problems that may occur during the term of the contract, at no additional cost to the MSBSD. Meetings will occur as problems arise and will be coordinated by the MSBSD. Failure to participate in problem resolution meetings or failure to make a good faith effort to resolve problems may result in termination of the contract.

B. Progress Meetings: During the term of the contract, the MSBSD's project manager will plan and schedule Project Status Meetings with the successful bidder to discuss the progress made by the bidder and the MSBSD in the performance of their respective obligations under the contract. Project managers for all subcontractors who are then performing work on the project or whose work affects the status of the project shall participate in person or by telephone conference in the Project Status Meeting. At each such meeting, the successful bidder shall provide the MSBSD with a written status report that identifies project status including all work completed and milestones completed, issue tracking/resolution including projected schedule to resolve issues, change management, any problem or circumstance encountered by bidder, or of which bidder gained knowledge during the period since the last such status report, which may prevent bidder from completing any of its obligations as required or that may generate charges in excess of those previously agreed to by the parties. The successful bidder shall identify the amount of excess charges, if any, and the cause of any identified problem or circumstance and the steps taken to remedy the same. Either party also may request additional Progress Status meetings. Upon two (2) business days' prior telephone, e-mail, or written notice from a party, the other party shall use good faith efforts to make itself available for any meetings during business hours reasonably requested by the other party. The successful bidder's subcontractors shall make good faith efforts to attend such meetings if requested by the MSBSD.

C. Failure to Notify: In the event successful bidder fails to specify in writing any problem or circumstance with respect to the period during the term covered by bidder's status report, it shall be conclusively presumed for purposes of the resulting contract that no such problem or circumstance arose during such period, and the bidder shall not be entitled to rely upon such problem or circumstance as a purported justification for either claiming it is entitled to receive any amount (including without limitation damages or additional charges arising out of a breach by the MSBSD of any MSBSD obligation) with respect to any of bidder's obligations under the contract in excess of those previously agreed to; or failing to complete any of bidder's obligations. Submission by the successful bidder of the status reports shall not alter, amend or modify the bidder's or the MSBSD's rights or obligations pursuant to any provision of the resulting contract.

D. MSBSD's Failure or Delay: For a problem or circumstance identified in the bidder's status report, which the bidder claims was the result of the MSBSD's failure or delay in discharging any MSBSD obligation, the MSBSD shall review and determine if such problem or circumstance was in fact the result of such alleged failure or delay. If the MSBSD agrees as to the cause of such problem or circumstance, then the parties shall extend any deadlines or due dates affected thereby, and provide for any additional charges by the bidder. If the MSBSD does not agree as to the cause of such problem or circumstance, the parties shall each attempt to resolve the problem or circumstance in a manner satisfactory to both parties.

ATTACHMENT C:
BID FORM

The undersigned hereby further proposes to furnish all services, including labor, supplies, and supervision necessary to provide security upgrades at the MSBSD Administration Building in full accordance with the bid documents.

ITEM NO.	BASE BID	UNIT COST
1.	Provide and install security upgrades at the MSBSD Administration Building	$_____
	TOTAL PRICE FOR BASE BID	$_____

Company: _____ Date: _____
Printed

Contractor: _____
Signature

Contractor: _____
Printed Name

APPENDIX 1:
ADDENDUM ACKNOWLEDGEMENT

Please sign below to acknowledge receipt of all addenda. Return this form with your bid packet. Failure to acknowledge receipt of addenda may result in a determination of your proposal as non-responsive.

If no addenda have been issued, please indicate "NONE" below.

Addendum No.	Receipt Acknowledged (Signature)	Date

APPENDIX 2:
NON-COLLUSION CERTIFICATE

The bidder certifies that:

1. The prices in this offer have been arrived at independently and neither the bidder nor any representatives of the bidder has in any way colluded, conspired, connived, or agreed, directly or indirectly, with any other bidder, firm, or person relating to:
   - Those prices;
   - The intention to submit an offer; or
   - The methods or factors used to calculate the prices offered.

2. The prices in this offer have not and will not be knowingly disclosed by the bidder, directly or indirectly, to any other bidder or competitor before contract award unless otherwise required by law.

3. No attempt has been made or will be made by the bidder to induce any other concern to submit or not to submit an offer for the purpose of restricting competition.

_____
Signature

_____
Printed Name

_____
Title

_____
Business Name

_____
Date

APPENDIX 3:

INSURANCE REQUIREMENT FOR CONTRACTORS

It is highly recommended that contractors and subcontractors confer with their respective insurance companies or brokers to determine if their insurance program complies with the Matanuska-Susitna Borough School District's (MSBSD) insurance requirements.

The contractor and subcontractors shall procure and maintain in force at all times during the term of this agreement, and at its own cost, the following insurance policies required hereunder. Failure to furnish proper evidence of insurance, or the lapse of insurance required under the provisions of the contract, may be grounds for termination.

The insurance companies shall be rated no less than A-7 by AM Best rating service. MSBSD reserves the right to review and revise any of the following insurance requirements, based on insurance market conditions, availability or affordability of coverage, or changes within the scope of work that applies to this contract. In addition, the MSBSD reserves the right to reject any insurance policies that fail to meet the criteria listed within this section, or insurance carriers that are in poor financial condition or become in poor financial condition during the term of this contract.

The Policies of insurance required shall include the following:

1. **WORKERS' COMPENSATION INSURANCE:**
   Workers' Compensation insurance in compliance with the laws of the State of Alaska, with Statutory Limits, and Employers' Liability insurance with a limit no less than $500,000 Bodily Injury by Accident-Each Accident, $500,000 Bodily Injury by Disease-Each Employee, $500,000, Bodily Injury by Disease Policy Limit, and any other coverage that may apply to work performed by employees in this agreement and any project hereunder.

2. **COMMERCIAL GENERAL LIABILITY INSURANCE:**
   Commercial General Liability insurance on an occurrence form with limits of liability not less than $1,000,000 per occurrence bodily injury and property damage, $1,000,000 personal and advertising injury, and $2,000,000 aggregate. Coverage shall include the following extensions: A) Contractual Liability; B) Premises/Operations; and C) Products/Completed Operations.

3. **EXCESS LIABILITY INSURANCE:**
   Contractors and subcontractors shall procure and maintain during the life of this agreement, Excess Liability insurance with a limit of liability not less than $1,000,000 per occurrence or claim, and $1,000,000 policy aggregate.

4. **BUSINESS AUTOMOBILE / MOTOR VEHICLE LIABILITY:**
   The contractors and subcontractors shall procure and maintain during the life of this agreement, Motor Vehicle Liability Insurance with limits of liability of not less than $1,000,000 per occurrence combined single limit bodily injury and property damage. Coverage shall include all owned vehicles, all non-owned vehicles, and all hired vehicles.

5. **ADDITIONAL INSURED:**
   The following shall be listed as an Additional Insured on each policy listed except Workers' Compensation, Professional Liability, and Errors & Omissions: the Matanuska-Susitna Borough School District including all agents, assigns, subsidiaries, subcontractors, employees, and volunteers of the MSBSD.

6. **INDEMNIFICATION AND HOLD HARMLESS:**
   A. The Contractor shall indemnify, defend, and hold harmless the MSBSD from and against any claim of, or liability for, independent or sole negligent acts, errors, omissions, or willful misconduct of the Contractor under this Agreement. The Contractor is not required to indemnify, defend, or hold harmless the MSBSD for any claim of, or liability for, the independent or sole negligent acts, errors, omissions, or willful misconduct of the MSBSD. If there is a claim of, or liability for, a joint negligent act, error, omission, or willful misconduct of the Contractor and the MSBSD, the indemnification, defense, and hold harmless obligation of this provision shall be apportioned on a comparative fault basis. In this provision, "Contractor" and "MSBSD" include the employees, agents, and contractors who are directly responsible, respectively, to each. In this provision, "independent or sole negligent acts, errors, and omissions" means negligence other than in the MSBSD's selection, administration, monitoring, or controlling of the Contractor, or in approving or accepting the Contractor's work.

   B. Any and all claims that might arise under the Worker's Compensation Act on behalf of the Contractor or other persons while engaged in the performance of the duties or services contemplated, and any and all claims that might be made by any third party as a result of any act or failure to act, shall be the Contractor's sole obligation and the Contractor shall indemnify and defend the MSBSD and hold it harmless from any liability for any act or failure to act on the part of the Contractor.

7. **CANCELLATION NOTICE:**
   All insurance policies, as described above, shall include an endorsement stating the following: "thirty (30) days Advance Written Notice of Cancellation or Non-Renewal shall be sent to: MSBSD, Attn: Purchasing Department, 690 Cope Industrial Way, Palmer, AK 99645.

8. **WAIVER OF SUBROGATION:**
   The insurer(s) shall agree to waive all rights of subrogation against the District, its Administrators, officers, officials, employees and volunteers for losses arising from work performed by the Contractor or any of its subcontractors for the District.

9. **CERTIFICATES OF INSURANCE:**
   The contractors and subcontractors shall provide the MSBSD two (2) Certificates of Insurance and/or copies of policies acceptable to the MSBSD for the coverage's listed herein at the time the agreements are returned for execution.

10. **CONTINUATION OF COVERAGE:**
    If any of the above coverage expires during the term of this agreement, the contractors and subcontractors shall deliver renewal certificates of insurance and/or policies to the MSBSD at least ten (10) days prior to the expiration date.

The duties required under this appendix shall survive the termination or expiration of this agreement.

APPENDIX 4:
VENDOR PAPERWORK

Please complete this form in its entirety. Any applicable supplemental documents can be attached as needed. A W-9, available at www.irs.gov/uac/about-form-w9, must be submitted with this form or the application will be denied.

Please check one: ☐ New Vendor Application ☐ Vendor Update/Change

Vendor Legal Name _____ EIN or SSN _____

Operating Name (DBA) _____

Vendor Mailing Address _____

City, State, Zip Code _____

Vendor Remit-To Address _____

City, State, Zip Code _____

Vendor Contact Name _____

Contact E-mail Address _____ Phone # _____

Vendor Website URL _____ Fax # _____

Describe the services, materials, and/or equipment to be provided:

How long have you been in business providing these services, materials, and/or equipment?Describe any special instructions for shipping to Alaska:

Do you accept Purchase Orders (POs)? ☐ Yes ☐ No

How to you prefer to receive POs? Mail ☐ Email ☐ Fax

What is your preferred method of payment? ☐ EFT ☐ Check

Do you provide services to the public? ☐ Yes ☐ No

Do you have a current Business License?Do ☐ Yes ☐ No License # _____ State _____

you have a State of AK Business License?Do ☐ Yes ☐ No License # _____

you have a Mat-Su Business License? ☐ Yes ☐ No License # _____

Are you currently an MSBSD employee? ☐ Yes* ☐ No *Stop. Complete a Conflict of Interest Affidavit.

Are you related to an MSBSD employee? ☐ Yes* ☐ No *Stop. MSBSD employee must complete a Conflict of Interest Affidavit.

Do you have employees? ☐ Yes* ☐ No *Do you carry Worker's Compensation insurance? ☐ Yes ☐ No

Upon request, can you provide three (3) references from individuals/companies you have served? ☐ Yes ☐ No

Authorized Agent Signature (Required) Date Printed Name and Title

Purchasing Department Use Only:

W-9 Attached? ☐ Yes ☐ No

Pre-Pay? ☐ Yes ☐ No

Sent to Acctg.: _____

Approved? Yes ☐ ☐ No* Vendor # _____

Approved/Denied By _____

*Reason for Denial _____

Alt. Vendor # _____ Alt. Vendor Name _____

APPENDIX 5:
PROPOSED SUBCONTRACTORS AND SUPPLIERS LIST

NOTE: Please return this with your bid, if applicable. Put an "X" in the right columns indicating if the company is a sub-contractor or a supplier.

#	ITEM	CONTRACTOR NAME, ADDRESS, & E-MAIL	SUB	SUP
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Signature

Company Name

Date

APPENDIX 6:
PRE-BID CONFERENCE

DECEMBER 8, 2023

We will meet at the front doors at the time indicated below. Purchasing and Facilities Personnel will be available to help field questions. All questions will be answered in writing and sent out as an addendum.

Please call the Purchasing Department at (907) 861-5120 or send an email to bids@matsuk12.us with any questions regarding this conference schedule.

December 8, 2023

School Location	Time of Visit
Administration Building 501 N. Gulkana Street, Palmer, AK	9:00 a.m. – 9:30 a.m.

ABBREVIATIONS

Δ	Addendum	GA.	Gauge	R	Riser
&	And	GAL.	Gallon	RAD.	Radius
∠	Angle	GALV.	Galvanized	R.D.	Roof Drain
@	At	G.B.	Grab Bar	REF.	Reference
℄	Centerline	G.W.B.	Gypsum Wall Board		Refrigerator
ø	Diameter or Round	GYM.	Gymnasium	REINF.	Reinforcement
#	Pound or Number	GYP.	Gypsum	REQ.	Required
				RESIL.	Resilient
ADD.	Additive			R.H.	Right Hand
ALT.	Alternate	H.B.	Hose Bib	RM.	Room
ALUM.	Aluminum	H.C.	Hollow Core	R.O.	Rough Opening
APPROX.	Approximate	HD.	Hand	R.O.W.	Right of Way
ARCH.	Architectural	HDWD.	Hardwood		
AVG.	Average	HDWR.	Hardware	S.A.T.	Suspended Acoustical Tile
		H.M.	Hollow Metal	S.C.	Solid Core
BD.	Board	HORIZ.	Horizontal	SCHED.	Schedule
BLDG.	Building	HR.	Hour	SECT.	Section
BLK.	Block	HT.	Height	SHT.	Sheet
BLKG.	Blocking	H.W.	Hot Water	SHWR.	Shower
B.M.	Bench Mark	HWY.	Highway	SIM.	Similar
BM.	Beam			SQ.	Square
B.O.	Bottom of	I.D.	Inside Diameter	S.S.	Stainless Steel
B.U.R.	Built-up Roof	(") IN.	Inches	STA.	Station
		INSUL.	Insulation	STD.	Standard
C.G.	Corner Guard	INT.	Interior	STL.	Steel
CLG.	Ceiling			STOR.	Storage
CLO.	Closet			STRUCT.	Structural
CLR.	Clear			SUSP.	Suspended
C.M.U.	Concrete Masonry Unit	JAN.	Janitor		
COL.	Column	JT.	Joint		
CONC.	Concrete			TEL.	Telephone
CONT.	Continuous			TEMP.	Temporary
CPT	Carpet	KIT.	Kitchen	T.&G.	Tongue and Groove
C.T.	Ceramic Tile			THK.	Thick
CTR.	Center			THRU	Through
CVR'G.	Covering	LAB.	Laboratory	T.O.	Top of
		LAM.	Laminated	T.O.S.	Top of Steel
DBL.	Double	LAV.	Lavatory	T.V.	Television
DEPT.	Department	LB	Pound	TYP.	Typical
D.F.	Drinking Fountain	LH	Left Hand		
DET.	Detail			U.L.	Underwriters Lab.
DIA.	Diameter			V.T.	Vinyl Tile
DIAG.	Diagonal	MATL.	Material	V.A.T.	Vinyl AsbestosTile
DIM.	Dimension	MAX.	Maximum	VNL	Sheet Vinyl
DISP.	Dispenser	MECH.	Mechanical	V.B.	Vapor Barrier
DN.	Down	MFR.	Manufacturer	VERT.	Vertical
DWG.	Drawings	MIN.	Minimum or Minute	VEST.	Vestibule
		MISC.	Miscellaneous		
EA.	Each	M.O.	Masonry Opening	W/	With
EIFS.	Exterior Insulation & Finish System			W.C.	Water Closet
ELEV.	Elevation	N.I.C.	Not in Contract	WD.	Wood
EL.	Elevator	NO.	Number	W/O	Without
ELEC.	Electrical	N.T.S.	Not to Scale		
EQ.	Equal				
EQUIP.	Equipment	O.C.	On Center		
EXIST.	Existing	O.D.	Outside Diameter		
EXP.	Expansion	OFF.	Office		
EXP. JT.	Expansion Joint	OFOI	Owner Furnished Owner Installed		
EXT.	Exterior	O.H.	Overhead		
F.D.	Floor Drain	OPNG.	Opening		
F.E.	Fire Extinguisher	OPP.	Opposite		
F.E.C.	Fire Extinguisher Cabinet				
FIN.	Finish	PERF.	Perforated		
F.F.	Finish Floor	PERP.	Perpendicular		
FLR.	Floor	PL	Plate		
FLUOR.	Fluorescent	P.L.	Plastic Laminate		
F.O.	Face of	PLYWD.	Plywood		
FRT	Fire-Retardent Treated	PR.	Pair		
FT.	Foot or Feet	PT.	Point		
FTG.	Footing	P.T.D.	Paper Towel Dispenser		

SUMMARY OF WORK

1. DEMOLITION AS REQUIRED FOR INSTALLATION OF NEW SYSTEMS AND COMPONENTS

2. ABATEMENT – SEE HAZMAT REPORT AND CONTRACT GENERAL CONDITIONS. PROVIDED FOR REFERENCE.

3. ARCHITECTURAL WORK (SEE A SHEETS)
   - A. NEW INTERIOR DOORS AND DEMISING WALLS
   - B. RENOVATE FLOORING AS REQUIRED
   - C. RENOVATE CEILING AS INDICATED
   - D. PROVIDE HARDWARE AS INDICATED

4. ELECTRICAL WORK (SEE E SHEETS)
   - A. DEMOLITION OR RELOCATION OF EXISTING LIGHT FIXTURES AND OUTLETS AS REQUIRED
   - B. NEW SECURITY CAMERAS (POWER/DATA/CONDUIT ONLY, CAMERA TO BE PROVIDED/INSTALLED BY MSBSD)
   - C. NEW POWER AND DATA FOR SECURITY HARDWARE
   - D. CONDUIT AND EXPOSED COMPONENTS ARE TO BE PAINTED TO MATCH ADJACENT FINISHES

ALTERNATES

1. ALTERNATE NO. ONE (1) – ADDED SECURITY
   1. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR EXTENT OF WORK FOR THE ALTERNATE.
   2. PROVIDE NEW BADGE SECURITY STATIONS AT EXTERIOR DOORS AS INDICATED.
   3. SEE ELECTRICAL FOR POWER, DATA, AND CONDUIT LOCATIONS AND REQUIREMENTS.
   4. COORDINATE ALL WORK WITH EXISTING SECURITY SYSTEM.

NOTIFICATION OF POTENTIAL HAZARDS

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO THE SPECIFICATIONS DIVISIONS 0,1,2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

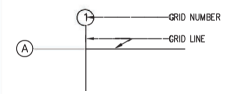
DRAWINGS INDEX

ARCH
- G1.0 GENERAL NOTES, LEGEND AND ABREVIATIONS
- G1.1 CODE PLAN
- G1.2 ADA REFERENCE SHEET
- D1.1 PARTIAL DEMOLITION FLOOR PLAN / PARTIAL DEMOLITION REFLECTED CEILING PLAN
- A1.0 OVERALL PLAN
- A1.3 ENLARGED FLOOR PLAN
- A1.5 REFLECTED CEILING PLAN
- A4.0 INTERIOR ELEVATIONS
- A5.1 DETAILS
- A6.1 SCHEDULES
- A7.0 SPECIFICATIONS

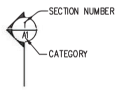
ELEC.
- E0.1 ELECTRICAL LEGEND AND SCHEDULES
- E0.2 ELECTRICAL SPECIFICATIONS
- E1.1 OVERALL ELECTRICAL PLANS
- E2.2 ENLARGED ELECTRICAL PLAN

DRAWING CONVENTIONS

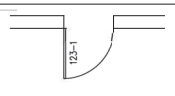
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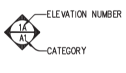
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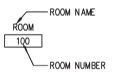
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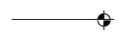
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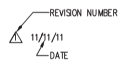
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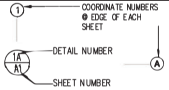
WORK, CONTROL, OR DATUM POINT



REVISION



DETAIL NUMBERING



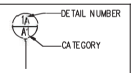
PARTITION TYPE



WINDOW TYPE



DETAIL



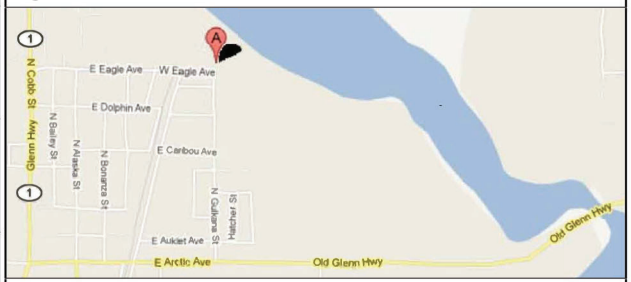
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT

ADMINISTRATION BUILDING

SECURITY UPGRADES

PALMER, ALASKA

SITE MAP



GENERAL NOTES

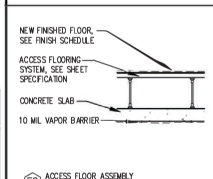
1. DIMENSIONS NOTED ARE TO FACE OF FINISH OR GRIDLINE AND ARE A MINIMUM UNLESS NOTED OTHERWISE, MINIMUM DIMENSIONS MUST BE MAINTAINED.

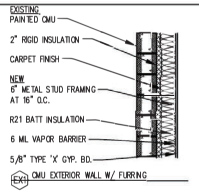
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE MOST RECENTLY ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, THE NATIONAL ELECTRICAL CODE, NATIONAL FIRE CODE, AND ALL OTHER LOCAL AND ALASKA STATE REQUIRMENTS AND AMMENDMENTS.

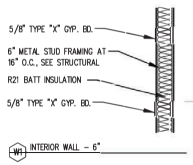
3. WALL AND ROOF VAPOR RETARDER SHALL BE CONTINUOUS AND ALL JOINTS AND SPLICES SEALED.

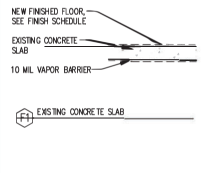
4. CONTRACTOR RESPONSIBLE TO PROVIDE COMPLETE INSTALLED SYSTEMS AND ASSEMBLIES WITH MANUFACTURER. FLASHINGS AND ACCESSORIES AS REQUIRED FOR WARRANTY WHICH MAY BE AVAILABLE TO OWNER.

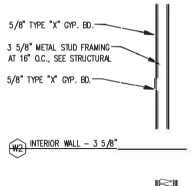
TYPICAL & EXIST. CONSTRUCTION ASSEMBLIES

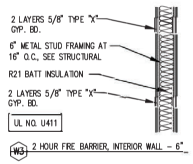












MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
ADMINISTRATION BUILDING
SECURITY UPGRADES
PALMER, ALASKA

Wolf ARCHITECTURE
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JC	10.12.2023
Checked	Job No.
–	2322

Sheet Contents: ABBREVIATIONS, CODE DATA, DRAWING INDEX, DRAWING CONVENTIONS, TYPICAL CONSTRUCTION ASSEMBLIES, GENERAL NOTES

CONSTRUCTION DOCUMENTS FULL SIZE 24x36 HALF SIZE 11x17

Category	Sheet
G1	0

CODE DATA

2021 INTERNATIONAL BUILDING CODE

BUILDING AND OCCUPANCY CLASSIFICATION
OCCUPANCY TYPE: B AND A3
CONSTRUCTION TYPE: TYPE II-B

TABLE 503 SPACE DEFINING REQUIREMENTS
BASIC ALLOWABLE AREA B: 4 LEVELS, 23,000 S.F. PER FLOOR
BASIC ALLOWABLE AREA A3: 2 LEVELS, 9,500 S.F. PER FLOOR

ALLOWABLE AREA INCREASE: 75% DUE TO FRONTAGE
FRONTAGE 903'-6" OF 1080' = 84%, 75% MAX ALLOWABLE
TOTAL ALLOWABLE AREA B: 40,250 S.F.
TOTAL ALLOWABLE AREA A3: 16,625 S.F.

ACTUAL BUILDING AREA:
EXISTING B OCCUPANCY – 36,154 SF
EXISTING B OCCUPANCY (TRAINING) – 1,354 SF
EXISTING A3 OCCUPANCY – 5,386 SF

TABLE 601 FIRE RESISTIVE REQUIREMENTS BASED ON CONSTRUCTION
STRUCTURAL FRAME: 0
BEARING WALLS: 2
NON-BEARING WALLS: 0
FLOOR CONSTRUCTION: 0
ROOF CONSTRUCTION: 0

TABLE 602 FIRE RESISTIVE REQUIREMENTS BASED ON DISTANCE
NORTH: >10' NO RATING REQUIRED
SOUTH: >10' NO RATING REQUIRED
EAST: >10' NO RATING REQUIRED
WEST: >10' NO RATING REQUIRED
FIRE SEPARATION > 10'-0", EXTERIOR WALLS NOT REQ'D TO BE RATED,

705 FIRE WALLS
WALLS SEPARATING B AND A3 OCCUPANCIES – 2 HRS

706 FIRE BARRIERS
WALLS SEPARATING AREAS OF A AND B OCCUPANCIES – 2 HRS

708 FIRE PARTITIONS
CORRIDOR WALLS – 1 HR

715.4 FIRE DOORS
2 HR FIRE WALLS – 1 1/2 HR DOORS
1 HR CORRIDORS – 1/3 HR DOORS

716 DUCTS AND TRANSFER OPENINGS
FIRE WALL – NONE ALLOWED

903 SPRINKLER SYSTEM
OCCUPANCY A3 < 300 PEOPLE, NO SPRINKLER SYSTEM REQUIRED.

1004 OCCUPANT LOAD
S.F. / (200 LOAD FACTOR) = OCCUPANTS
2 EXITS REQUIRED > 10 OCCUPANTS

1017 CORRIDOR FIRE RATING – 1 HR

PLUMBING CALCULATIONS

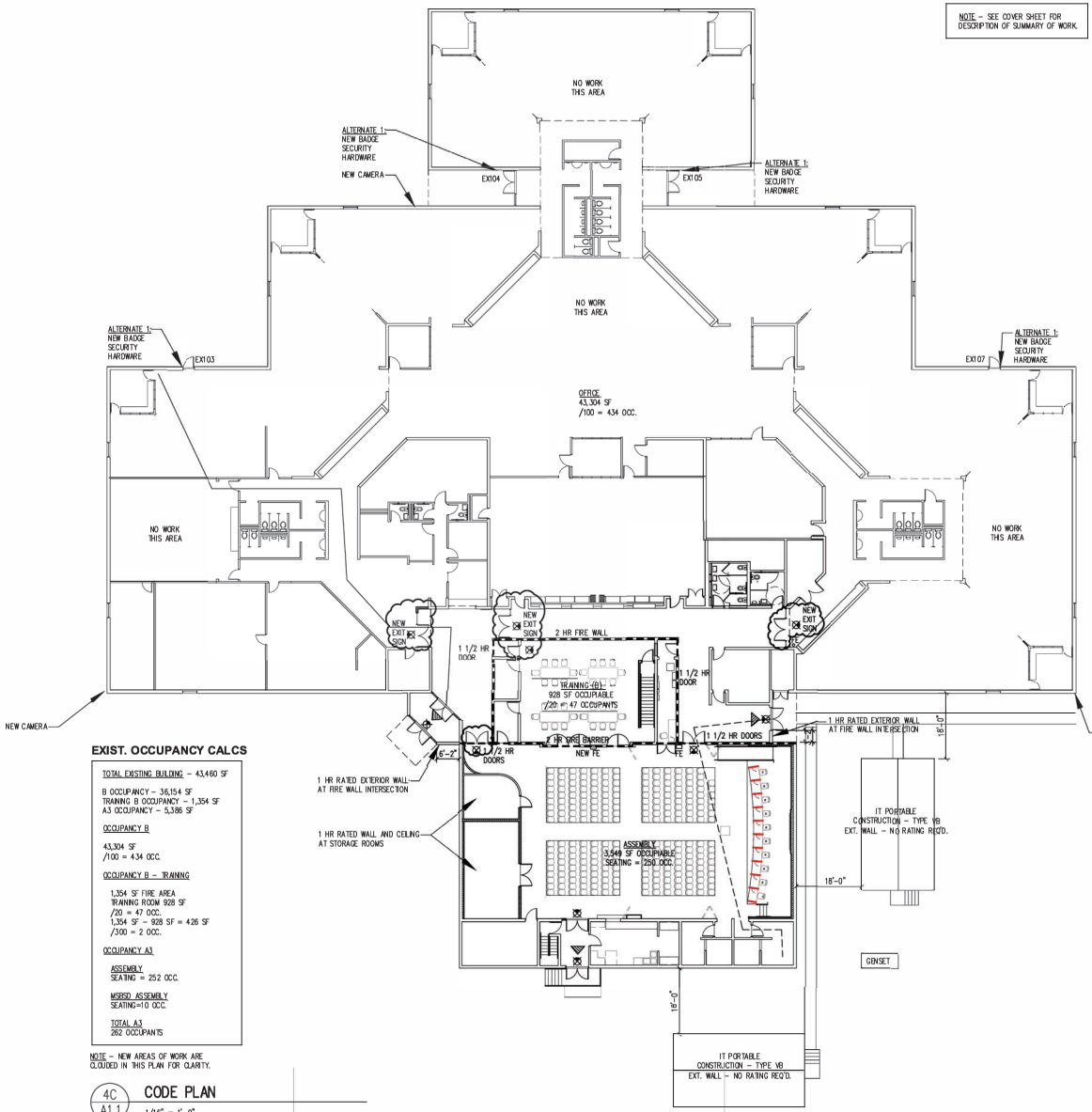
EXISTING PLUMBING
MEN: 8 WATER CLOSETS / 10 URINALS / 6+ LAVATORIES
WOMEN: 13 WATER CLOSETS / 6+ LAVATORIES
– DRINKING FOUNTAINS

PLUMBING CALCULATION: OFFICE
OCCUPANT CALC.: 434
MEN: 217 = 5 WATER CLOSETS / 3 LAVATORIES
WOMEN: 217 = 5 WATER CLOSETS / 3 LAVATORIES
5 DRINKING FOUNTAINS

SEAT CALCULATION
PLUMBING CALCULATION: ASSEMBLY
TOTAL NUMBER OF SEATS: 295
MEN: 148 = 3 WATER CLOSETS / 3 LAVATORIES
WOMEN: 148 = 10 WATER CLOSETS / 7 LAVATORIES
4 DRINKING FOUNTAINS

TOTAL WITH OFFICES
MEN: 8 WATER CLOSETS / 6 LAVATORIES
WOMEN: 15 WATER CLOSETS / 10 LAVATORIES
9 DRINKING FOUNTAINS

REQUIRED ADDITIONAL
TOTAL NEW REQUIRED
MEN: 1 WATER CLOSETS / 1 LAVATORIES
WOMEN: 3 WATER CLOSETS / 3 LAVATORIES



EXIST. OCCUPANCY CALCS

TOTAL EXISTING BUILDING – 43,460 SF

B OCCUPANCY – 36,154 SF
TRAINING B OCCUPANCY – 1,354 SF
A3 OCCUPANCY – 5,386 SF

OCCUPANCY B

43,304 SF
/100 = 434 OCC.

OCCUPANCY B – TRAINING

1,354 SF FIRE AREA
TRAINING ROOM 928 SF
/20 = 47 OCC.
1,354 SF – 928 SF = 426 SF
/300 = 2 OCC.

OCCUPANCY A3

ASSEMBLY
SEATING = 252 OCC.

MSBSD ASSEMBLY
SEATING=10 OCC.

TOTAL A3
262 OCCUPANTS

NOTE – NEW AREAS OF WORK ARE CLOUDED IN THIS PLAN FOR CLARITY.

4C / A1.1 CODE PLAN
1/16" = 1'-0"

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ADMINISTRATION BUILDING
SECURITY UPGRADES
PALMER, ALASKA

Drawn	Date
JC	10.11.2023
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–	2322

Sheet Contents: CODE PLAN

CONSTRUCTION DOCUMENTS FULL SIZE: 22x34 HALF SIZE: 11x17

Category	Sheet
G1	1

BID #B24-03

CHAPTER 6: PLUMBING ELEMENTS AND FACILITIES

603 TOILET AND BATHING ROOMS

603.2 CLEARANCES. CLEARANCES SHALL COMPLY WITH 603.2.

603.2.1 TURNING SPACE. TURNING SPACE COMPLYING WITH 304 SHALL BE PROVIDED WITHIN THE ROOM.

603.2.2 OVERLAP. REQUIRED CLEAR FLOOR SPACES, CLEARANCE AT FIXTURES, AND TURNING SPACE SHALL BE PERMITTED TO OVERLAP.

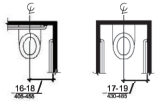
603.2.3 DOOR SWING. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS SHALL BE PERMITTED TO SWING INTO THE REQUIRED TURNING SPACE.

603.3 MIRRORS. MIRRORS LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES (1015 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES (890 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

603.4 COAT HOOKS AND SHELVES. COAT HOOKS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308. SHELVES SHALL BE LOCATED 40 INCHES (1015 MM) MINIMUM AND 48 INCHES (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR.

604 WATER CLOSETS AND TOILET COMPARTMENTS

604.2 LOCATION. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16 INCHES (405 MM) MINIMUM TO 18 INCHES (455 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN 604.8.2. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH.



(A) WHEELCHAIR ACCESSIBLE WATER CLOSETS (B) AMBULATORY ACCESSIBLE WATER CLOSETS

FIGURE 604.2 WATER CLOSET LOCATION

604.3.1 SIZE. CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES (1525 MM) MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL AND 56 INCHES (1420 MM) MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL.



FIGURE 604.3.1 SIZE OF CLEARANCE AT WATER CLOSETS

604.3.2 OVERLAP. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, DISPENSERS, SANITARY NAPKIN DISPOSAL UNITS, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AND CLEARANCES REQUIRED AT OTHER FIXTURES, AND THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

604.4 SEATS. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

604.5 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH 609. GRAB BARS SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL.

604.5.1 SIDE WALL. THE SIDE WALL GRAB BAR SHALL BE 42 INCHES (1065 MM) LONG MINIMUM, LOCATED 12 INCHES (305 MM) MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES (1370 MM) MINIMUM FROM THE REAR WALL.

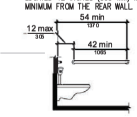


FIGURE 604.5.1 SIDE WALL GRAB BAR AT WATER CLOSETS

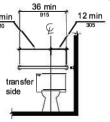


FIGURE 604.5.2 REAR WALL GRAB BAR AT WATER CLOSETS

604.5.2 REAR WALL. THE REAR WALL GRAB BAR SHALL BE 36 INCHES (915 MM) LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES (305 MM) MINIMUM ON ONE SIDE AND 24 INCHES (610 MM) MINIMUM ON THE OTHER SIDE.

604.6 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 309. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLYING WITH 604.8.2.

604.7 DISPENSERS. TOILET PAPER DISPENSERS SHALL COMPLY WITH 309.4 AND SHALL BE 7 INCHES (180 MM) MINIMUM AND 9 INCHES (230 MM) MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 15 INCHES (380 MM) MINIMUM AND 48 INCHES (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND GRAB BARS. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW.

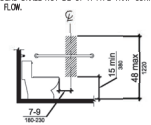


FIGURE 604.7 DISPENSER OUTLET LOCATION

606 LAVATORIES AND SINKS

ADVISORY 606.1 GENERAL. IF SOAP AND TOWEL DISPENSERS ARE PROVIDED, THEY MUST BE LOCATED WITHING THE REACH RANGES SPECIFIED IN 308. LOCATE SOAP AND TOWEL DISPENSERS SO THAT THEY ARE CONVENIENTLY USABLE BY A PERSON AT THE ACCESSIBLE LAVATORY.

606.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH 305, POSITIONED FOR A FORWARD APPROACH, AND KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED.

606.3 HEIGHT. LAVATORIES AND SINKS SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM OR COUNTER SURFACE 34 INCHES (865 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

606.4 FAUCETS. CONTROLS FOR FAUCETS SHALL COMPLY WITH 309. HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.

606.5 EXPOSED PIPES AND SURFACES. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

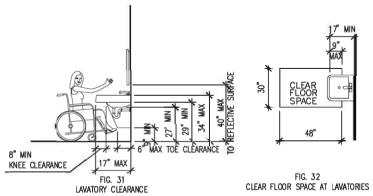


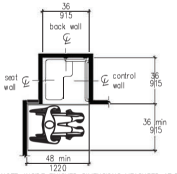
FIG. 31 LAVATORY CLEARANCE

FIG. 32 CLEAR FLOOR SPACE AT LAVATORIES

608 SHOWER COMPARTMENTS

608.2 SIZE AND CLEARANCES FOR SHOWER COMPARTMENTS. SHOWER COMPARTMENTS SHALL HAVE SIZES AND CLEARANCES COMPLYING WITH 608.2.

608.2.1 TRANSFER TYPE SHOWER COMPARTMENTS. TRANSFER TYPE SHOWER COMPARTMENTS SHALL BE 36 INCHES (915 MM) BY 36 INCHES (915 MM) CLEAR INSIDE DIMENSIONS MEASURED AT THE CENTER POINTS OF OPPOSING SIDES AND SHALL HAVE A 36 INCH (915 MM) WIDE MINIMUM ENTRY ON THE FACE OF THE SHOWER COMPARTMENT. CLEARANCE OF 36 INCHES (915 MM) WIDE MINIMUM BY 48 INCHES (1220 MM) LONG MINIMUM MEASURED FROM THE CONTROL WALL SHALL BE PROVIDED.

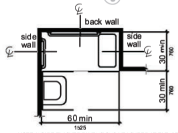


NOTE: INSIDE FINISHED DIMENSIONS MEASURED AT THE CENTER POINTS OF OPPOSING SIDES

FIGURE 608.2.1 TRANSFER TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

608.2.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 30 INCHES (760 MM) WIDE MINIMUM BY 60 INCHES (1525 MM) DEEP MINIMUM CLEAR INSIDE DIMENSIONS MEASURED AT CENTER POINTS OF OPPOSING SIDES AND SHALL HAVE A 60 INCHES (1525 MM) WIDE MINIMUM ENTRY ON THE FACE OF THE SHOWER COMPARTMENT.

608.2.2.1 CLEARANCE. A 30 INCH (760 MM) WIDE MINIMUM BY 60 INCH (1525 MM) LONG MINIMUM CLEARANCE SHALL BE PROVIDED ADJACENT TO THE OPEN FACE OF THE SHOWER COMPARTMENT.



NOTE: INSIDE FINISHED DIMENSIONS MEASURED AT THE CENTER POINTS OF OPPOSING SIDES

FIGURE 608.2.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

608.3.1 TRANSFER TYPE SHOWER COMPARTMENTS. IN TRANSFER TYPE COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ACROSS THE CONTROL WALL AND BACK WALL TO A POINT 18 INCHES (455 MM) FROM THE CONTROL WALL.

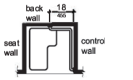
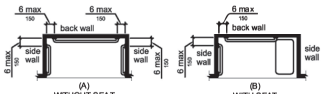


FIGURE 608.3.1 GRAB BARS FOR TRANSFER TYPE SHOWERS

608.3.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. WHERE A SEAT IS PROVIDED IN STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ON THE BACK WALL AND THE SIDE WALL OPPOSITE THE SEAT. GRAB BARS SHALL NOT BE PROVIDED ABOVE THE SEAT. WHERE A SEAT IS NOT PROVIDED IN STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ON THREE WALLS. GRAB BARS SHALL BE INSTALLED 6 INCHES (150 MM) MAXIMUM FROM ADJACENT WALLS.



(A) WITHOUT SEAT (B) WITH SEAT

FIGURE 608.3.2 GRAB BARS FOR STANDARD ROLL-IN TYPE SHOWERS

608.4 SEATS. A FOLDING OR NON-FOLDING SEAT SHALL BE PROVIDED IN TRANSFER TYPE SHOWER COMPARTMENTS. A FOLDING SEAT SHALL BE PROVIDED IN ROLL-IN TYPE SHOWERS REQUIRED IN TRANSIENT LODGING GUEST ROOMS WITH MOBILITY FEATURES COMPLYING WITH 806.2. SEATS SHALL COMPLY WITH 610.

608.5 CONTROLS. CONTROLS, FAUCETS, AND SHOWER SPRAY UNITS SHALL COMPLY WITH 309.4.

608.5.1 TRANSFER TYPE SHOWER COMPARTMENTS. IN TRANSFER TYPE SHOWER COMPARTMENTS, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE INSTALLED ON THE SIDE WALL OPPOSITE THE SEAT 38 INCHES (965 MM) MINIMUM AND 48 INCHES (1220 MM) MAXIMUM ABOVE THE SHOWER FLOOR AND SHALL BE LOCATED ON THE CONTROL WALL 15 INCHES (380 MM) MAXIMUM FROM THE CENTERLINE OF THE SEAT TOWARD THE SHOWER OPENING.

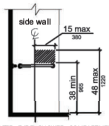
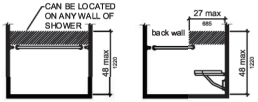


FIGURE 608.5.1 TRANSFER TYPE SHOWER COMPARTMENT CONTROL LOCATION

608.5.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. IN STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE LOCATED ABOVE THE GRAB BAR, BUT NO HIGHER THAN 48 INCHES (1220 MM) ABOVE THE SHOWER FLOOR. WHERE A SEAT IS PROVIDED, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE INSTALLED ON THE BACK WALL ADJACENT TO THE SEAT WALL AND SHALL BE LOCATED 27 INCHES (685 MM) MAXIMUM FROM THE SEAT WALL.



(A) WITHOUT SEAT (B) WITH SEAT

FIGURE 608.5.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENT CONTROL LOCATION

608.6 SHOWER SPRAY UNIT AND WATER. A SHOWER SPRAY UNIT WITH A HOSE 59 INCHES (1500 MM) LONG MINIMUM THAT CAN BE USED BOTH AS A FIXED-POSITION SHOWER HEAD AND AS A HAND-HELD SHOWER SHALL BE PROVIDED. THE SHOWER SPRAY UNIT SHALL HAVE AN ON/OFF CONTROL WITH A NON-POSITIVE SHUT-OFF. IF AN ADJUSTABLE-HEIGHT SHOWER HEAD ON A VERTICAL BAR IS USED, THE BAR SHALL BE INSTALLED SO AS NOT TO OBSTRUCT THE USE OF GRAB BARS. SHOWER SPRAY UNITS SHALL DELIVER WATER THAT IS 120°F (49°C) MAXIMUM.

608.7 THRESHOLDS. THRESHOLDS IN ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 1/2 INCH (13 MM) HIGH MAXIMUM IN ACCORDANCE WITH 303. IN TRANSFER TYPE SHOWER COMPARTMENTS, THRESHOLDS 1/2 INCH (13 MM) HIGH MAXIMUM SHALL BE BEVELED, ROUNDED, OR VERTICAL.

608.8 SHOWER ENCLOSURES. ENCLOSURES FOR SHOWER COMPARTMENTS SHALL NOT OBSTRUCT CONTROLS, FAUCETS, AND SHOWER SPRAY UNITS OR OBSTRUCT TRANSFER FROM WHEELCHAIRS ONTO SHOWER SEATS.

609 GRAB BARS

609.1 GENERAL. GRAB BARS IN TOILET FACILITIES AND BATHING FACILITIES SHALL COMPLY WITH 609.

609.2 CROSS SECTION. GRAB BARS SHALL HAVE A CROSS SECTION COMPLYING WITH 609.2.1 OR 609.2.2.

609.2.1 CIRCULAR CROSS SECTION. GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/4 INCHES (32 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM.

609.2.2 NON-CIRCULAR CROSS SECTION. GRAB BARS WITH NON-CIRCULAR CROSS SECTIONS SHALL HAVE A CROSS-SECTION DIMENSION OF 2 INCHES (51 MM) MAXIMUM AND A PERIMETER DIMENSION OF 4 INCHES (100 MM) MINIMUM AND 4.8 INCHES (120 MM) MAXIMUM.

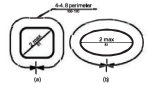
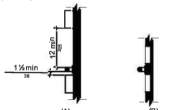


FIGURE 609.2.2 GRAB BAR NON-CIRCULAR CROSS SECTION

609.3 SPACING. THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2 INCHES (38 MM). THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2 INCHES (38 MM) MINIMUM. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12 INCHES (305 MM) MINIMUM.



(A) PROJECTING OBJECTS (B) RECESSED OBJECTS

FIGURE 609.3 SPACING OF GRAB BARS

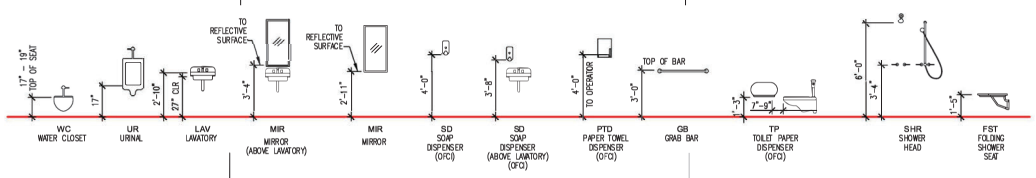
609.4 POSITION OF GRAB BARS. GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 INCHES (840 MM) MINIMUM AND 36 INCHES (915 MM) MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE, EXCEPT THAT AT WATER CLOSETS FOR CHILDREN'S USE COMPLYING WITH 604.9, GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION 18 INCHES (455 MM) MINIMUM AND 27 INCHES (685 MM) MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. THE HEIGHT OF THE LOWER GRAB BAR ON THE BACK WALL OF A BATHTUB SHALL COMPLY WITH 607.4.1.1 OR 607.4.2.1.

609.5 SURFACE HAZARDS. GRAB BARS AND ANY WALL OR OTHER SURFACES ADJACENT TO GRAB BARS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.

609.6 FITTINGS. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

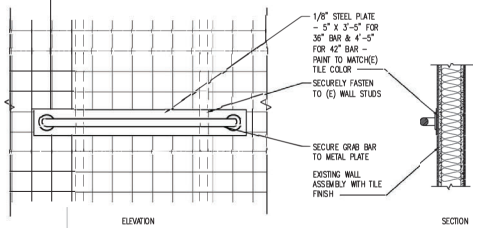
609.7 INSTALLATION. GRAB BARS SHALL BE INSTALLED IN ANY MANNER THAT PROVIDES A GRIPPING SURFACE AT THE SPECIFIED LOCATIONS AND THAT DOES NOT OBSTRUCT THE REQUIRED CLEAR FLOOR SPACE.

609.8 STRUCTURAL STRENGTH. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (1112 N) IS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE.



1 G1.1 ADA TYPICAL DISPENSER/FIXTURE HEIGHTS

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



2 G1.2 TYPICAL GRAB BAR BLOCKING

Scale: 1"=1'-0"

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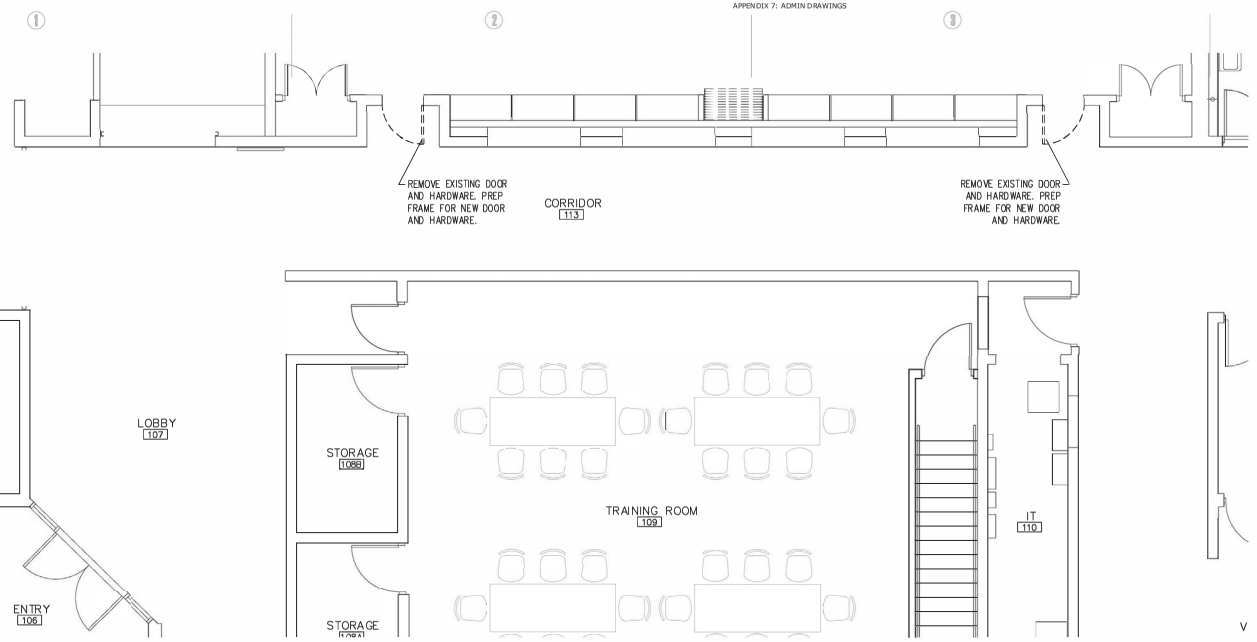
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
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SHEET CONTENTS
ADA DETAILS

CONSTRUCTION DOCUMENTS FULL SIZE: 22x34 HALF SIZE: 11x17

CATEGORY	SHEET
G1	2



1A / D1.1 PARTIAL DEMOLITION FLOOR PLAN
1/4" = 1'-0"

DEMOLITION NOTES

1. CONTRACTOR SHALL VISIT SITE TO FAMILIARIZE THEMSELVES WITH EXTENT OF REMOVAL/DEMOLITION.

2. LIMIT WORK TO SPACES INDICATED, PROTECT ALL ADJACENT ASSEMBLIES, FINISHES AND APPURTENANCES.

3. ALL ITEMS NOTED "SALVAGE" TO BE PROTECTED FOR REINSTALLATION OR PRESENTED TO OWNER AT A LOCATION OF THEIR CHOOSING.

4. ITEMS NOT NOTED AS "SALVAGE" BECOME CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM SITE.

5. DEMOLITION NOTES LISTED ARE INTENDED TO CONVEY A GENERAL DESCRIPTION OF THE DEMOLITION WORK THROUGH THE PROJECT. HOWEVER, THESE NOTES MAY NOT ADDRESS EVERY DEMOLITION CONDITION NECESSARY FOR THE SUCCESSFUL COMPLETION OF THE PROJECT. THE CONTRACTOR IS REPSONSIBLE TO REMOVE AND OR DEMOLISH ANY EXISTING CONDITIONS REQUIRED FOR THE SUCCESSFUL INSTALLATION OF ANY NEW CONSTRUCTION IDENTIFIED IN THESE DOCUMENTS.

6. DASHED LINES INDICATE LOCATIONS OF DEMOLITION.

7. SEE ELECTRICAL FOR SUB-TRADES EXTENT OF DEMOLITION.

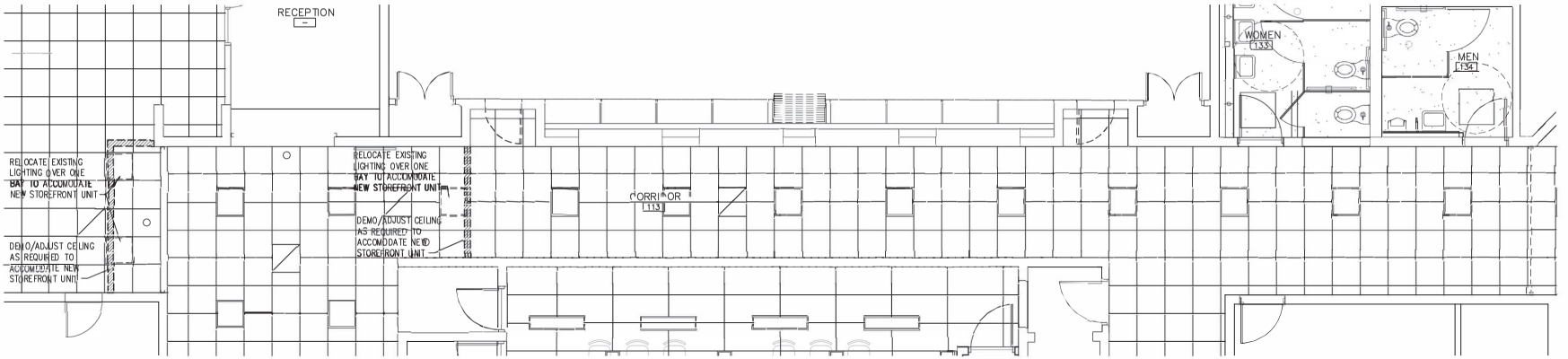
8. DEMO AND REPLACE WALL BASE AT ALL AFFECTED AREAS OF WORK.

9. SEE HAZARDOUS MATERIAL INSPECTION REPORT FOR REFERENCE OF HAZARDOUS MATERIALS LOCATIONS IN THE FACILITY. THE REPORT DOES NOTE THE PRESENCE OF ASBESTOS IN SOME LOCATIONS. ANY DISTURBANCE OF THIS MATERIAL IN RELATION TO THE RENOVATIONS SHOULD BE PERFORMED BY STATE CERTIFIED ASBESTOS ABATEMENT PERSONNEL.

10. OBTAIN DEMO PERMIT PRIOR TO BEGINNING WORK.

NOTIFICATION OF POTENTIAL HAZARDS

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINTATION. REFER TO THE SPECIFICATIONS DIVISIONS 0,1,2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



1C / D1.1 PARTIAL DEMOLITION REFLECTED CEILING PLAN
1/4" = 1'-0"

DEMO LEGEND
- - - DEMO ITEM
AREAS OF DEMOLITION

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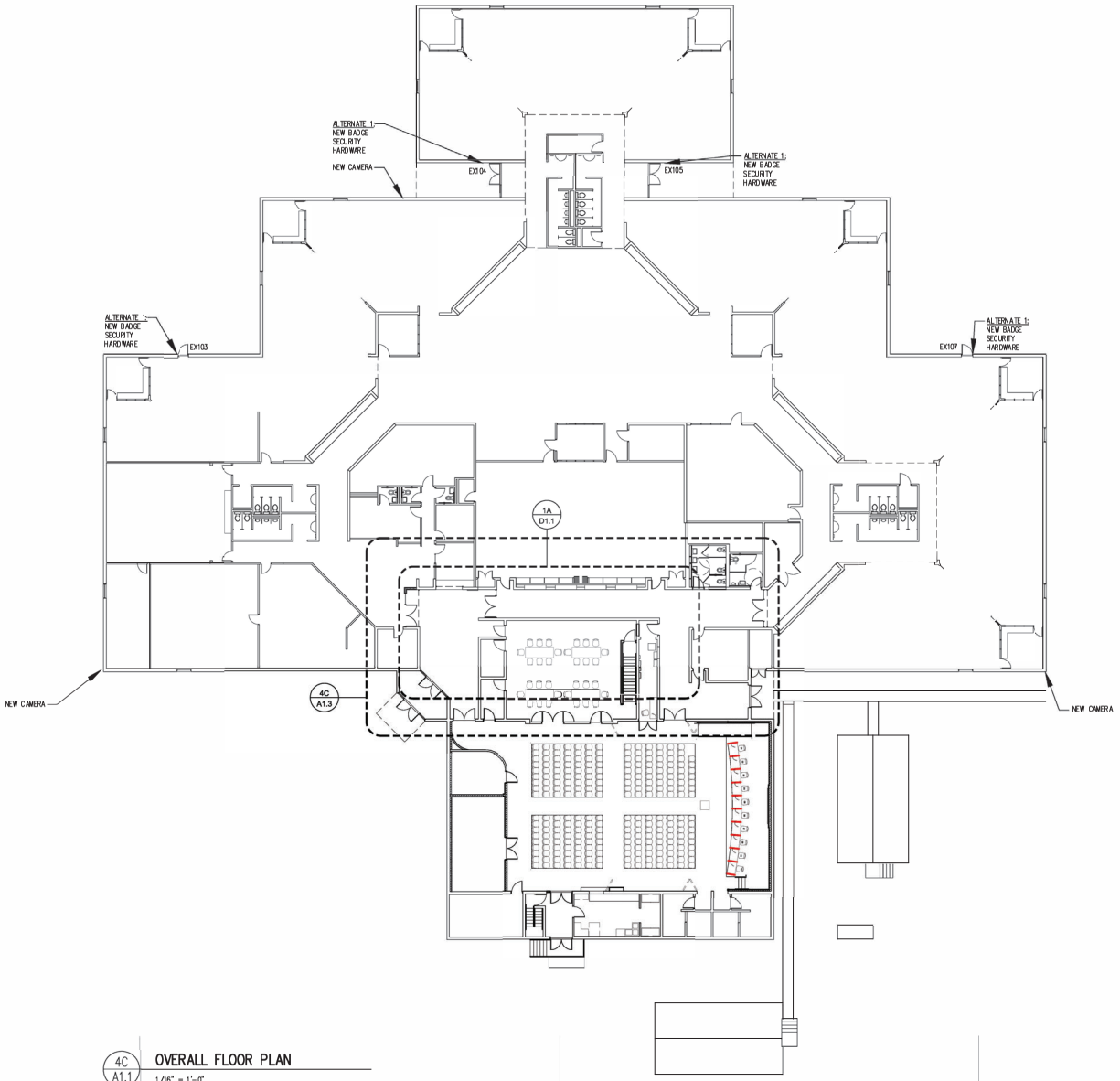
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Sheet Contents: DEMOLITION FLOOR PLAN

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D1	1



4C A1.1 **OVERALL FLOOR PLAN**

1/16" = 1'-0"

SUMMARY OF WORK

1. DEMOLITION AS REQUIRED FOR INSTALLATION OF NEW SYSTEMS AND COMPONENTS
2. ABATEMENT – SEE HAZMAT REPORT AND CONTRACT GENERAL CONDITIONS. PROVIDED FOR REFERENCE.
3. ARCHITECTURAL WORK (SEE A SHEETS)
   - A. NEW INTERIOR DOORS AND DEMISING WALLS
   - B. RENOVATE FLOORING AS REQUIRED
   - C. RENOVATE CEILING AS INDICATED
   - D. PROVIDE HARDWARE AS INDICATED
4. ELECTRICAL WORK (SEE E SHEETS)
   - A. DEMOLITION OR RELOCATION OF EXISTING LIGHT FIXTURES AND OUTLETS AS REQUIRED
   - B. NEW SECURITY CAMERAS (POWER/DATA/CONDUIT ONLY, CAMERA TO BE PROVIDED/INSTALLED BY MSBSD)
   - C. NEW POWER AND DATA FOR SECURITY HARDWARE
   - D. CONDUIT AND EXPOSED COMPONENTS ARE TO BE PAINTED TO MATCH ADJACENT FINISHES

ALTERNATES

1. ALTERNATE NO. ONE (1) – ADDED SECURITY
   1. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR EXTENT OF WORK FOR THE ALTERNATE.
   2. PROVIDE NEW BADGE SECURITY STATIONS AT EXTERIOR DOORS AS INDICATED.
   3. SEE ELECTRICAL FOR POWER, DATA, AND CONDUIT LOCATIONS AND REQUIREMENTS.
   4. COORDINATE ALL WORK WITH EXISTING SECURITY SYSTEM.

NOTIFICATION OF POTENTIAL HAZARDS

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO THE SPECIFICATIONS DIVISIONS 0,1,2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

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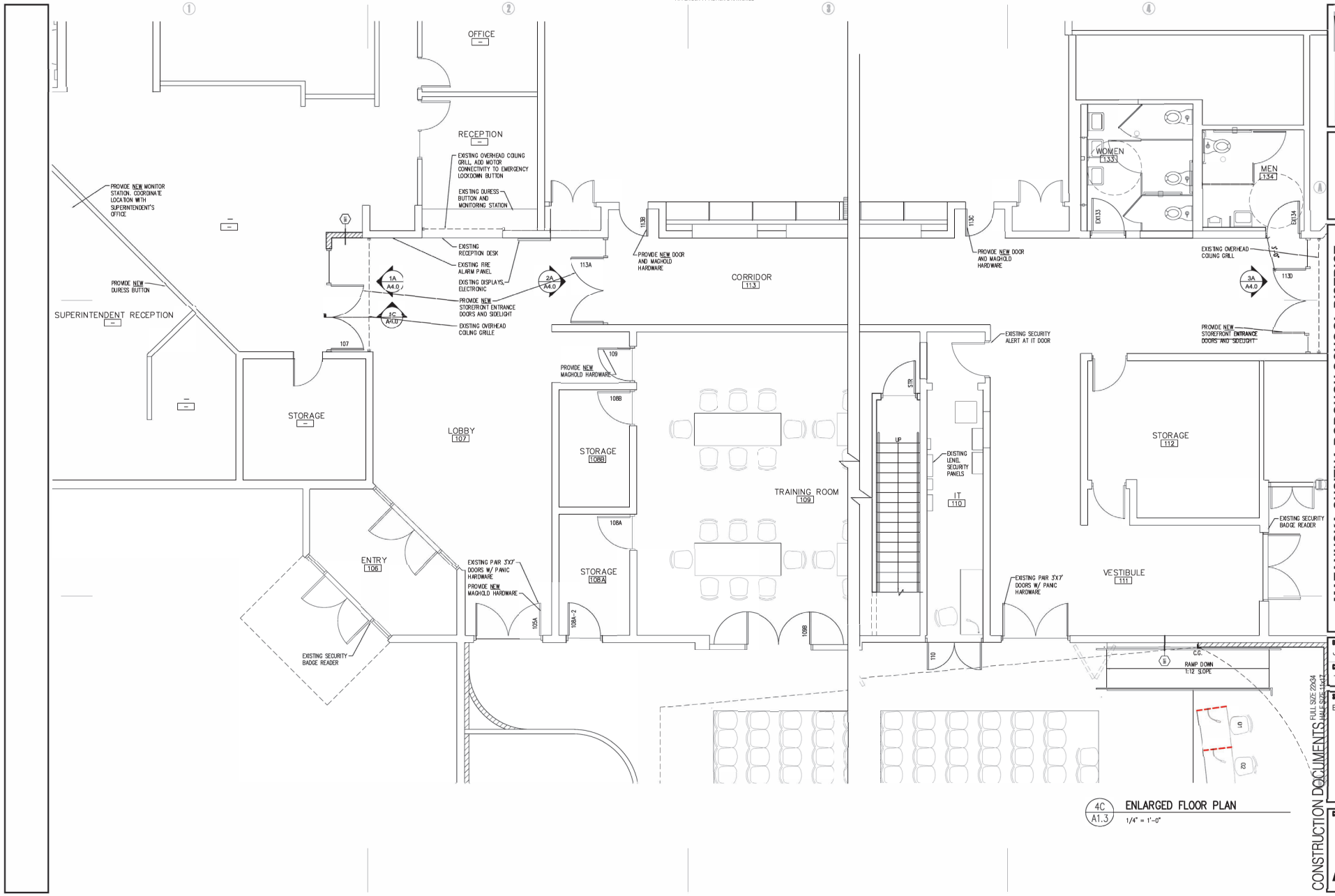
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Sheet Contents: OVERALL FLOOR PLAN

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BID #B24-03



4C A1.3 ENLARGED FLOOR PLAN

1/4" = 1'-0"

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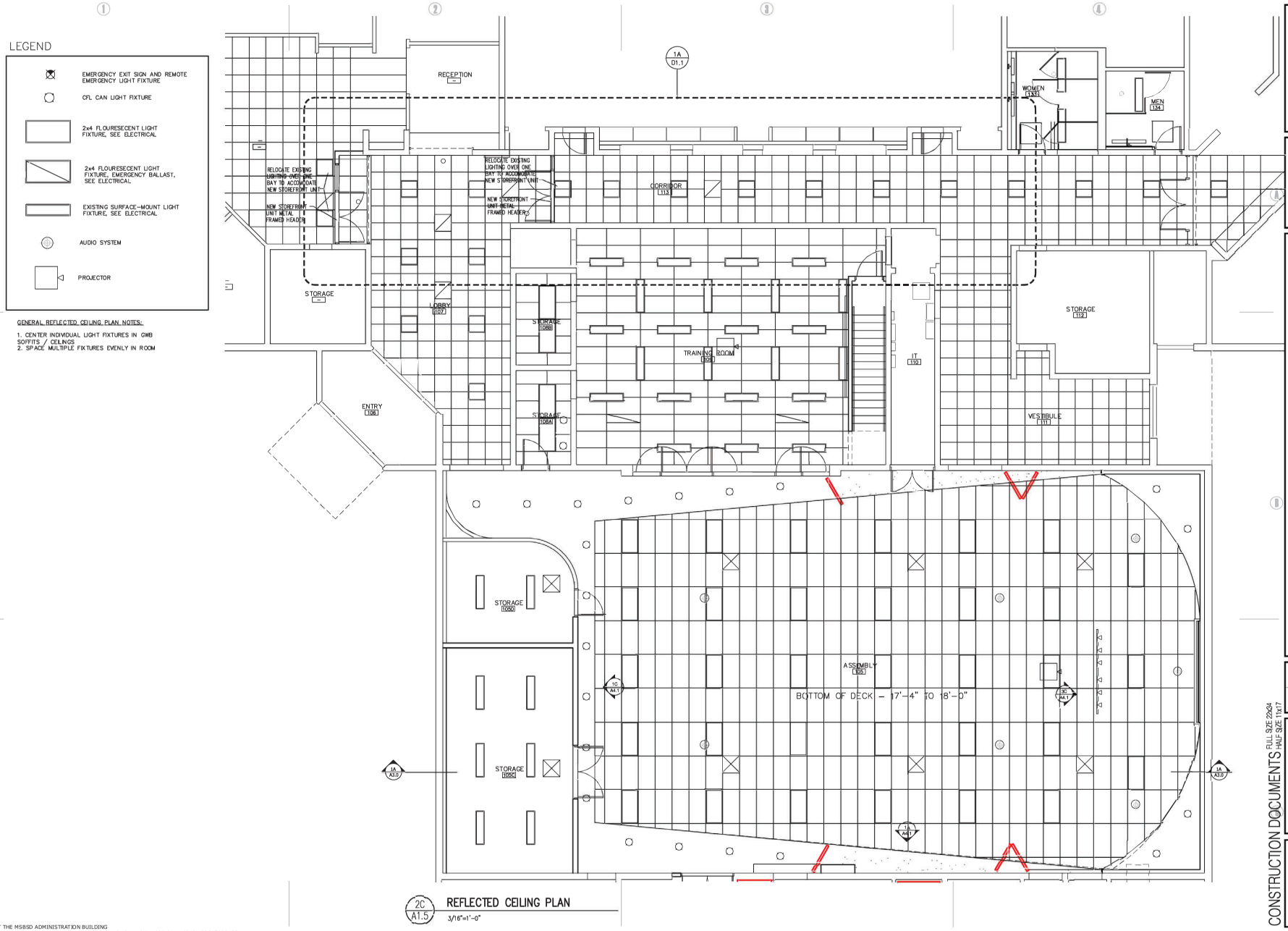
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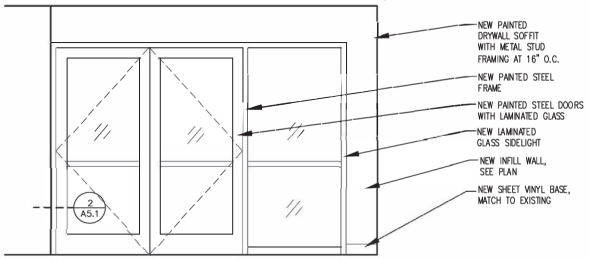
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Sheet Contents: REFELCTED CEILING PLAN

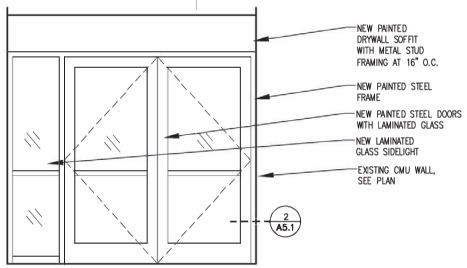
CONSTRUCTION DOCUMENTS FULL SIZE 22x34 HALF SIZE 11x17

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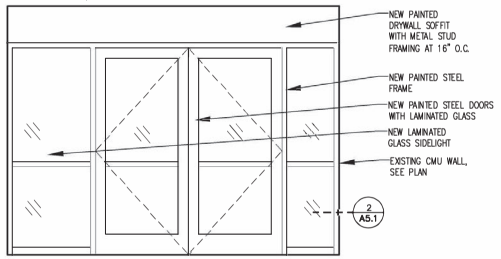
1A / A4.0 INTERIOR ELEVATION AT DOOR 107

1/4" = 1'-0"



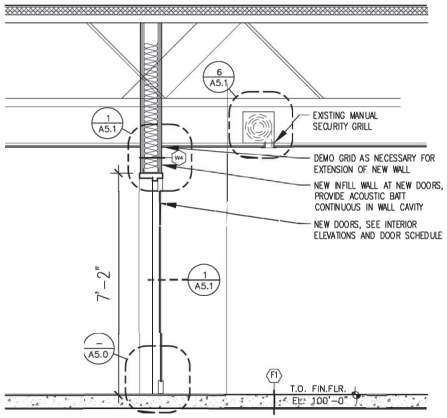
2A / A4.0 SECTION AT DOOR 113A

1/4" = 1'-0"



3A / A4.0 SECTION AT DOOR 113D

1/4" = 1'-0"



1C / A4.0 SECTION AT DOOR –

1/4" = 1'-0"

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Sheet Contents: INTERIOR ELEVATIONS

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BID #B24-03

DOOR HARDWARE SCHEDULE - ALTERNATE #1

HARDWARE GROUP 7 (EXISTING EXTERIOR SINGLE DOORS)

PROVIDE EACH PR DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1EA	ELEC. PANIC HARDWARE	LD-RX-XP99-EO-CON	626	VON
1EA	ELEC. PANIC HARDWARE	RX-QEL-XP99-NL-OP-110MD-CON 24 VDC	626	VON
1EA	RIM CYLINDER	20-057	626	SCH
1EA	RIM CYL THUMBTURN	XB11-979	626	SCH
1EA	MORTISE CYLINDER	20-061 36-083	626	SCH
1EA	FSIC CORE	23-030 EV29 T	626	SCH
1EA	WIRE HARNESS POWER TRANSFER TO ELECTRIFIED HARDWARE	CON-26P		SCH
1EA	WIRE HARNESS FROM INCOMING POWER SUPPLY	CON-6W		SCH
1EA	POWER SUPPLY	PS902 900-2RS 900-BBK		VON
	ACCESS CONTROL - WORK OF DIVISION 28			
1	DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
1	POWER SUPPLY - WORK OF DIVISION 28. PROVIDE FACTORY POINT TO POINT WIRING DIAGRAMS.			
	PROVIDE RISER DIAGRAMS			

120VAC TO POWER SUPPLY. HOME RUN FROM POWER SUPPLY TO QEL DEVICE AS FOLLOWS: 200FT/18 AWG, 320FT/16 AWG, 500FT/14 AWG, OR 800FT/12 AWG. BUTTON/SWITCH TO BE LOCATED AS DIRECTED BY ARCHITECT.

HARDWARE GROUP 8 (EXISTING EXTERIOR DOUBLE DOORS)

PROVIDE EACH PR DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1EA	ELEC. PANIC HARDWARE	LD-RX-XP99-EO-CON	626	VON
1EA	ELEC. PANIC HARDWARE	RX-QEL-XP99-NL-OP-110MD- CON 24 VDC	626	VON
1EA	RIM CYLINDER	20-057	626	SCH
1EA	RIM CYL THUMBTURN	XB11-979	626	SCH
1EA	MORTISE CYLINDER	20-061 36-083	626	SCH
1EA	FSIC CORE	23-030 EV29 T	626	SCH
1EA	WIRE HARNESS POWER TRANSFER TO ELECTRIFIED HARDWARE	CON-26P		SCH
1EA	WIRE HARNESS FROM INCOMING POWER SUPPLY	CON-6W		SCH
1EA	POWER SUPPLY	PS902 900-2RS 900-BBK		VON
	ACCESS CONTROL - WORK OF DIVISION 28			
1	DOOR CONTACT (S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
1	POWER SUPPLY - WORK OF DIVISION 28. PROVIDE FACTORY POINT TO POINT WIRING DIAGRAMS.			
	PROVIDE RISER DIAGRAMS			

120VAC TO POWER SUPPLY. HOME RUN FROM POWER SUPPLY TO QEL DEVICE AS FOLLOWS: 200FT/18 AWG, 320FT/16 AWG, 500FT/14 AWG, OR 800FT/12 AWG. BUTTON/SWITCH TO BE LOCATED AS DIRECTED BY ARCHITECT.

DOOR HARDWARE SCHEDULE

HARDWARE GROUP 1

PROVIDE EACH PR DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6EA	HINGE	5BB1HW 4.5 X 4.5 NRP	652	IVE
1EA	REMOVABLE MULLION	KR4954 STAB	689	VON
1EA	ELEC. PANIC HARDWARE	LD-RX-XP99-EO-CON	626	VON
1EA	ELEC. PANIC HARDWARE	RX-QEL-XP99-NL-OP-110MD-CON 24 VDC	626	VON
1EA	MULLION STORAGE KIT	M154, WALL BACKING REQ'D	689	VON
1EA	RIM CYLINDER	20-057	626	SCH
1EA	RIM CYL THUMBTURN	XB11-979	626	SCH
1EA	MORTISE CYLINDER	20-061 36-083	626	SCH
2EA	FSIC CORE	23-030 EV29 T	626	SCH
1EA	FIRE/LIFE HOLDER	4040SEH SEH 24V AC/DC	689	LCN
2EA	SURFACE CLOSER	4040XP EDA TBWMS	689	LCN
2EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1EA	WALL STOP	WS406/407CVX	630	IVE
1EA	MAGNET	SEM7850 12V/24V\120V	689	LCN
1EA	MULLION SEAL	8780NBK PSA	BK	ZER
1EA	WIRE HARNESS POWER TRANSFER TO ELECTRIFIED HARDWARE	CON-26P		SCH
2EA	WIRE HARNESS FROM INCOMING POWER SUPPLY	CON-6W		SCH
1EA	POWER SUPPLY	PS902 900-2RS 900-BBK		VON
	ACCESS CONTROL - WORK OF DIVISION 28			
1	DOOR CONTACT (S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
1	POWER SUPPLY - WORK OF DIVISION 28. PROVIDE FACTORY POINT TO POINT WIRING DIAGRAMS.			
	PROVIDE RISER DIAGRAMS			

120VAC TO POWER SUPPLY. HOME RUN FROM POWER SUPPLY TO QEL DEVICE AS FOLLOWS: 200FT/18 AWG, 320FT/16 AWG, 500FT/14 AWG, OR 800FT/12 AWG. BUTTON/SWITCH TO BE LOCATED AS DIRECTED BY ARCHITECT.

HARDWARE GROUP 2

PROVIDE EACH DOOR WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1EA	CLASSROOM SECURITY	L9071T 06L	626	SCH
1EA	FSIC CORE	23-030 EV29 T	626	SCH
1EA	SURFACE CLOSER	4040XP EDA TBWMS	689	LCN
1EA	WALL STOP	WS406/407CVX	630	IVE
1EA	MAGNET	SEM7850 12V24V\120V	689	LCN

HARDWARE GROUP 3

PROVIDE EACH PR DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1EA	FIRE/LIFE HOLDER	4040SEH SEH 24V AC/DC	689	LCN
2EA	SURFACE CLOSER	4040XP EDA TBWMS	689	LCN
2EA	WALL STOP	WS406/407CVX	630	IVE
2EA	MAGNET	SEM7850 12V/24V\120V	689	LCN

HARDWARE GROUP 4

PROVIDE EACH DOOR WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1EA	CLASSROOM SECURITY	L9071T 06L	626	SCH
1EA	FSIC CORE	23-030 EV29 T	626	SCH
1EA	SURFACE CLOSER	4040XP EDA TBWMS	689	LCN
1EA	WALL STOP	WS406/407CVX	630	IVE
1EA	MAGNET	SEM7850 12V/24V\120V	689	LCN
(1EA	POWER SUPPLY	PS902 900-2RS 900-BBK		VON
	ACCESS CONTROL - WORK OF DIVISION 28			
1	DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
1	POWER SUPPLY - WORK OF DIVISION 28. PROVIDE FACTORY POINT TO POINT WIRING DIAGRAMS.			
	PROVIDE RISER DIAGRAMS			

120VAC TO POWER SUPPLY. HOME RUN FROM POWER SUPPLY TO QEL DEVICE AS FOLLOWS: 200FT/18 AWG, 320FT/16 AWG, 500FT/14 AWG, OR 800FT/12 AWG. BUTTON/SWITCH TO BE LOCATED AS DIRECTED BY ARCHITECT.)

HARDWARE GROUP 5

PROVIDE EACH PR DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6EA	HINGE	5BB1HW 4.5 X 4.5 NRP	652	IVE
1EA	REMOVABLE MULLION	KR4954 STAB	689	VON
1EA	ELEC. PANIC HARDWARE	LD-RX-XP99-EO-CON	626	VON
1EA	ELEC. PANIC HARDWARE	RX-QEL-XP99-NL-OP-110MD-CON 24 VDC	626	VON
1EA	MULLION STORAGE KIT	MT54, WALL BACKING REQ'D	689	VON
1EA	RIM CYLINDER	20-057	626	SCH
1EA	RIM CYL THUMBTURN	XB11-979	626	SCH
1EA	MORTISE CYLINDER	20-061 36-083	626	SCH
2EA	FSIC CORE	23-030 EV29 T	626	SCH
2EA	SURFACE CLOSER	4040XP EDA TBWMS	689	LCN
1EA	WIRE HARNESS POWER TRANSFER TO ELECTRIFIED HARDWARE	CON-26P		SCH
2EA	WIRE HARNESS FROM INCOMING POWER SUPPLY	CON-6W		SCH
1EA	POWER SUPPLY	PS902 900-2RS 900-BBK		VON
	ACCESS CONTROL - WORK OF DIVISION 28			
1	DOOR CONTACT(S) - WORK OF DIV. 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			
1	POWER SUPPLY - WORK OF DIVISION 28. PROVIDE FACTORY POINT TO POINT WIRING DIAGRAMS.			
	PROVIDE RISER DIAGRAMS			

120VAC TO POWER SUPPLY. HOME RUN FROM POWER SUPPLY TO QEL DEVICE AS FOLLOWS: 200FT/18 AWG, 320FT/16 AWG, 500FT/14 AWG, OR 800FT/12 AWG. BUTTON/SWITCH TO BE LOCATED AS DIRECTED BY ARCHITECT.

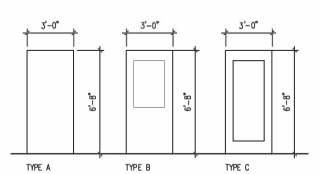
DOOR SCHEDULE

DOOR NO.	WIDTH	HEIGHT	SWING	DOOR TYPE	FRAME TYPE	DOOR MATERIAL	FRAME MATERIAL	JAMB THICKNESS	RATING	HARDWARE GROUP	NOTES
103A	6'-0"	6'-8"	PAIR			1	HM	HM - TYPE 1		1	EXISTING DOOR WITH NEW ADDITIONAL HARDWARE
107	6'-0"	6'-8"	PAIR	C		3	HM	HM - TYPE 1		1	DOOR W/ PANIC HARDWARE, MIDDLE MULLION, CLOSER
109	3'-0"	6'-8"		A		1	HM	HM - TYPE 1		2	EXISTING DOOR WITH NEW ADDITIONAL HARDWARE
113A	6'-0"	6'-8"	PAIR	C		4	HM	HM - TYPE 1		1	DOOR W/ PANIC HARDWARE, MIDDLE MULLION, CLOSER
113B	3'-0"	6'-8"		B		1	HM	HM - TYPE 1		4	EXISTING DOOR FRAME WITH NEW DOOR AND HARDWARE
113C	3'-0"	6'-8"		B		1	HM	HM - TYPE 1		4	EXISTING DOOR FRAME WITH NEW DOOR AND HARDWARE
113D	6'-0"	6'-8"	PAIR	C		5	HM	HM - TYPE 1		5	DOOR W/ PANIC HARDWARE, MIDDLE MULLION, CLOSER

NOTES:

DOOR/FRAME MATERIAL TYPES
HM = INSULATED HOLLOW METAL
HW = HOLLOW METAL

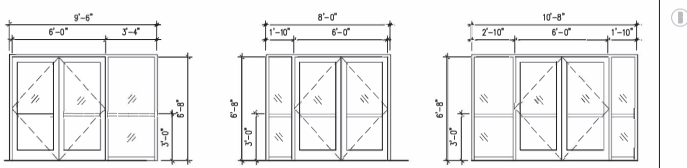
DOOR TYPES



NOTE: ALL GLAZING TO BE TEMPERED AS REQUIRED BY CODE.

DOOR NOTES, ALSO SEE SHEET SPECIFICATION:
1. INTERIOR DOORS – 14GA
2. INTERIOR FRAMES – 12GA
3. GLASS AT DOORS AND SIDELIGHTS TO BE 1" LAMINATED GLASS WITH 1/4" THICKNESSES
4. PAINT DOOR AND FRAME TO MATCH ADJACENT DOOR FRAMES.

FRAME TYPES



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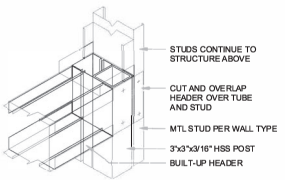
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
ADMINISTRATION BUILDING
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PALMER, ALASKA

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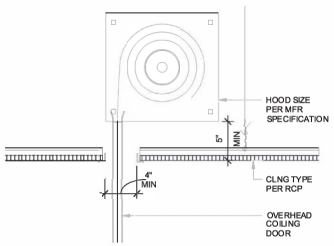
Sheet Contents
SCHEDULES

CONSTRUCTION DOCUMENTS FULL SIZE: 22x34 HALF SIZE: 11x17

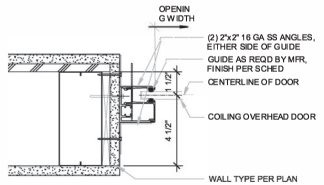
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A6	1



5 COILING DOOR HEAD FRAMING
Scale: 1 1/2" = 1'-0"

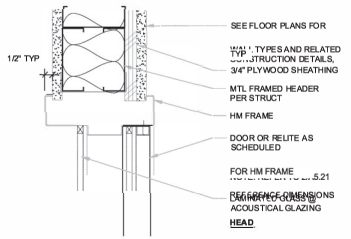


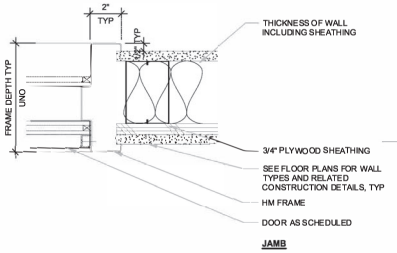
6 COILING DOOR HEAD - ABOVE CEILING
Scale: 1 1/2" = 1'-0"



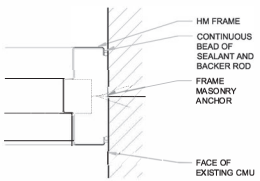
7 COILING DOOR JAMB
Scale: 3" = 1'-0"

NOTE: COILING DOOR DETAILS SHOWN FOR REFERENCE ONLY. COILING DOORS ARE EXISTING TO REMAIN.





1 HM INTERIOR DOOR/RELITE HEAD/JAMB
Scale: 3" = 1'-0"



2 HM FRAME JAMB AT CMU
Scale: 3" = 1'-0"

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MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
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DETAILS

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SHEET SPECIFICATIONS

NOTE: SEE SUMMARY OF WORK ON COVER SHEET.

THESE SPECIFICATIONS ARE INTENDED TO PROVIDE THE CONTRACTOR WITH INSTALLATION GUIDELINES FOR MAJOR MATERIALS AND GENERAL PRODUCT QUALITY LEVEL. CONTRACTORS ARE TO PROVIDE COMPLETELY INSTALLED PRODUCTS AND SYSTEMS INSTALLED AND DETAILED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DETAILS AND INSTRUCTIONS AS REQUIRED TO OBTAIN ANY WARRANTIES AVAILABLE TO THE OWNER. IF DETAILS IN THIS DRAWING SET CONFLICT WITH MANUFACTURER INSTALLATION PROCEDURES CONTACT ARCHITECT IMMEDIATELY TO RESOLVE THE CONFLICT.

CONTRACTORS ARE TO PROVIDE SUFFICIENT FUNDS IN THE BID FOR A COMPLETE, FINISHED, READY TO OCCUPY FACILITY TO THE GREATEST EXTENT POSSIBLE.

CONTRACTORS ARE ABLE TO SUBSTITUTE PRODUCTS WITH THE PERMISSION OF THE ARCHITECT AND OWNER. SUBSTITUTIONS CONSIDERED AFTER THE CONTRACT HAS BEEN SIGNED MUST BE AGREED UPON BY THE OWNER AND ARCHITECT OTHERWISE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE A SPECIFIED PRODUCT. PRODUCTS MUST MEET PERFORMANCE AND AESTHETIC CRITERIA SET FORTH IN THE DRAWINGS AND SPECIFICATIONS. THE ARCHITECT WILL BE THE ARBITER RELATIVE TO ACCEPTANCE OF PRODUCT SUBSTITUTIONS.

PRODUCTS SHOWN ARE REQUIRED TO BE PROVIDED AND INSTALLED. THE PRODUCTS ARE TO BE SIMILAR IN QUALITY AS THE GENERAL LEVEL OF PRODUCTS PROVIDED AND SPECIFIED IN THESE DRAWINGS AND SPECIFICATIONS. EXAMPLES OF SUCH PRODUCTS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

- DOOR HARDWARE
- GYPSUM WALL BOARD
- PAINT
- EXTERIOR AND INTERIOR FINISH MATERIALS
  (PRODUCTS ARE TO MATCH EXISTING MATERIALS IN TEXTURE AND FINISH.)

THE WORK OUTLINED IN THESE DOCUMENTS DESCRIBES THE FOLLOWING:

1. THE OWNER WILL BE RESPONSIBLE TO PAY FOR CONSTRUCTION RELATED POWER USAGE AND GAS FOR HEATING DURING CONSTRUCTION.

2. SUBMITTALS: PROVIDE SUBMITTALS OF THE FOLLOWING TO OWNER FOR REVIEW

   A. DOORS, FRAMES, AND HARDWARE
   B. ELECTRICAL FIXTURES
   C. O&M SUBMITTAL

3. SUBSTANTIAL COMPLETION
   A. PROVIDE A PUNCHLIST OF INCOMPLETE ITEMS PRIOR TO CALL FOR FINAL INSPECTION
   B. PROVIDE FINAL CLEANING AFTER ALL PUNCHLIST ITEMS HAVE BEEN COMPLETED
   C. WARRANTIES: PROVIDE ALL WARRANTIES AVAILABLE TO OWNER IN BOUND FORMAT

4. PROJECT RECORD DOCUMENTS
   A. PROVIDE REDLINE AS-BUILTS OF FULL DRAWINGS SET TO OWNER
   B. PROVIDE O&M MANUALS FOR MECHANICAL AND ELECTRICAL SYSTEMS

DIVISION 2 SITEWORK - SEE CIVIL - NOT USED

DIVISION 3: CONCRETE - NOT USED

DIVISION 5 METALS

05120 STRUCTURAL STEEL - SEE STRUCTURAL - NOT USED

05400 COLD-FORMED METAL FRAMING
NON-LOAD BEARING METAL STUD WALL FRAMING.
AISI SPECIFICATIONS AND STANDARDS
1. NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS
2. STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS
3. COMPLY WITH AWS D1.3 FOR WELDING
MATERIALS: ASTM A 1003/A, STRUCTURAL GRADE, TYPE H, METALLIC COATED, AS REQUIRED BY STRUCTURAL PERFORMANCE.
1. COATING G90
2. PROVIDE ACCESSORIES OF MANUFACTURER'S STANDARD THICKNESS AND CONFIGURATION UNLESS INDICATED OTHERWISE. BRACING, BRUDGING, SOLID BLOCKING, ANCHOR CLIPS, POWER-ACTUATED ANCHORS, MECHANICAL FASTENERS, GALVANIZED REPAIR PAINT, SEALANT GASKETS.

DIVISION 6 WOODS AND PLASTICS

06200 FINISH CARPENTRY
WOOD TRIM AT INTERIORS
1. PRODUCT - PAINT GRADE PINE

DIVISION 7 THERMAL AND MOISTURE PROTECTION

07200 THERMAL INSULATION
INSULATION TYPES AS NOTED ON THE DRAWINGS AND BUILDING ASSEMBLIES:
1. ACOUSTICAL INSULATION:
   1. UNFACED FIBERGLASS BATT INSULATION, ASTM C 655, TYPE 1, FULL WALL CAVITY WHERE NOTED

07900 SEALANTS
PROVIDE JOINT SEALANTS, BACKINGS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE UNDER CONDITIONS OF SERVICE AND APPLICATION AS DEMONSTRATED BY MANUFACTURER, BASED ON TESTING AND FIELD EXPERIENCE. USE SILICONE OR POLYURETHANE SEALANTS IN COLOR TO MATCH ADJACENT SURFACES.
1. LIQUID APPLIED -ASTM C 920
2. SILICONE - ASTM C 920, TYPE S, GRADE NS, CLASS 100/50
3. LATEX - ASTM C 834, TYPE OP, GRADE NF
4. ACOUSTIC - ASTM C 834, ASTM E 90
5. BACKING - ASTM C 1330, TYPE C, O, B

DIVISION 8 DOORS AND WINDOWS

08100 DOORS AND FRAMES (HOLLOW METAL)
HOLLOW METAL DOORS AND FRAMES AS INDICATED ON THE FLOOR PLAN AND DOOR SCHEDULE.
1. STANDARD HOLLOW METAL WORK - ANSI/SDI A250.8/ANSI 250.11
2. THERMAL-RATED - ASTM C 1363
3. COLD-ROLLED STEEL - ASTM A 1008/A 1008M, CS, TYPE B
4. HOT-ROLLED STEEL - ASTM A 1011/A 1011M, CS, TYPE B
5. FRAME ANCHORS - ASTM A 591/A 591M, CS, 40Z

HARDWARE DOOR HARDWARE GROUPS TO BE PROVIDED BY GENERAL CONTRACTOR
1. LOCKSETS AND LATCHSETS: AS SCHEDULED.
2. THRESHOLD: PEMKO 252X3AFG AT ALL EXTERIOR DOORS
3. DOOR GASKETS AND WEATHERSTRIPPING: DOOR MANUFACTURER'S STANDARD INTEGRAL
4. WEATHERSTRIPPING OR GASKETS.

08710 DOOR HARDWARE
COMMERCIAL DOOR HARDWARE FOR SWINGING DOORS.
1. QUALITY ASSURANCE:
   A. INSTALLER QUALIFICATIONS: TRAINED AND APPROVED BY LOCK MANUFACTURER.
   B. HARDWARE CONSULTANT QUALIFICATIONS: CERTIFIED BY DHI AS AN ARCHITECTURAL HARDWARE CONSULTANT.
   C. SOURCE LIMITATIONS: OBTAIN EACH TYPE FROM A SINGLE MANUFACTURER UNLESS INDICATED OTHERWISE.
   D. FIRE-RATED ASSEMBLIES: NFPA 80, NFPA 252
   E. WARRANTY: FROM DATE OF SUBSTANTIAL COMPLETION
      I. EXIT DEVICES: 2 YEARS
      II. MANUAL CLOSERS: 10 YEARS
2. PRODUCTS: BHMA STANDARDS
   A. HINGES: BHMA STANDARDS, STANDARD 2 BALL BEARING BUTT HINGES
      I. MANUFACTURER: STANLEY, HAGER, LAWRENCE
      II. 4 1/2" X 4 1/2"
3. LOCKSETS: SIMILAR TO SCHLAGE "L" SERIES DESIGN: 6L
4. CLOSERS: 4041 X 3077 MANUFACTURER: VON DUPRIN OR PRECISION
5. KICK PLATES: QUALITY, TRIMCO, SIGNATURE BRASS
6. STOPS: TRIMCO, SIGNATURE BRASS
7. KEYING: KEYING OF LOCKSETS WILL BE COORDINATED W/ OWNER

08800 GLAZING
GLAZING FOR WINDOWS, DOORS, GLAZED ENTRANCES AND INTERIOR BORROWED LITES.
PEFORMANCE REQUIREMENTS:
1. GLASS THICKNESS: ASTM C 1036
2. DESIGN WIND PRESSURE: BASIC WIND SPEED 100MPH
3. WINDBORNE DEBRIS IMPACT RESISTANCE: ASTM E 1996
   WIND ZONE 4
4. MAX LATERAL DEFLECTION: 1/50TH SHORT SIDE LENGTH
5. THERMAL MOVEMENTS: TEMP. CHANGE 120 DEG F AMBIENT, 180 DEG F SURFACES
6. SOLAR HEAT GAIN COEFFICIENT AND VISIBLE TRANSMITTANCE: NFRC 200 AND LBL's WINDOW 5.2
7. VISIBLE REFLECTANCE: NFRC 300
8. GLASS TESTING AGENCY QUALIFICATIONS: NFRC CAP 1
9. WARRANTY: 10 YEARS FROM DATE OF SUBSTANTIAL COMPLETION

PRODUCT:
1. FLOAT GLASS - ASTM C 1036, TYPE I, QUALITY Q3, CLASS 1
2. HEAT-TREATED FLOAT GLASS - ASTM C 1048, TYPE 1, QUALITY Q3, CLASS 1
3. SPANDREL GLASS - ASTM C 1048, CONDITION B, Type 1, QUALITY Q3
4. LAMINATED GLASS - ASTM C 1172, 16 CFR 1201 CATEGORY II
5. INSULATING GLASS - ASTM E 2190, DUAL SEAL, ALUMINUM SPACER, MOLECULAR SIEVE OR SILICA GEL DESSICANT
6. GLAZING GASKETS - ASTM C 864
7. GLAZING SEALANT - ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, USE NT
8. GLAZING TAPES - ASTM C 1281 AND AAMA 800

DIVISION 9 FINISHES

09290 GYPSUM BOARD
INTERIOR GYPSUM BOARD
1. PERFORMANCE DATA:
   A. FIRE-RESISTANCE ASSEMBLIES: ASTM E 119
   B. STC-RATED ASSEMBLIES: ASTM E 90, ASTM E 413
   C. ENVIRONMENTAL LIMITATIONS: ASTM C 840
   D. GENERAL: ASTM C 36/C 36M, ASTM C 1396/C 1396M
2. INTERIOR GYPSUM BOARD
   A. MANUFACTURER: G-P GYPSUM, NATIONAL, USG CORP. OR EQUAL
   B. PRODUCT: TYPE X, 5/8", TAPERED LONG EDGES
   C. PRODUCT: MOISTURE AND MOLD-RESISTANT, TYPE X, 5/8", TAPERED LONG EDGES
3. AUXILARY MATERIALS
   A. JOINT TAPE: AS RECOMMENDED BY MANUFACTURER
   B. JOINT COMPOUND FOR INTERIOR GYPSUM WALLBOARD
   C. STEEL SCREWS: ASTM C 1002, ASTM C 954
   D. SOUND ATTENUATION BLANKETS: ASTM C 665, TYPE 1
   E. ACOUSTICAL SEALANT: VOC CONTENT OF 250 G/L OR LESS
   F. TEXTURED FINISHES: LEVEL 4 (VERY LIGHT TEXTURE) – SUBMIT SAMPLE TO ARCHITECT OR OWNER FOR APPROVAL
   G. CONTROL JOINTS: ASTM C 840

09512 ACOUSTICAL TILE CEILINGS
ACOUSTIC CEILING TILES, CONCEALED SUSPENSION SYSTEMS.
1. PERFORMNACE DATA:
   A. FIRE-TEST RESPONSE: ASTM E 1264, ASTM E 84
   B. SMOKE INDEX: 450 OR LESS
   C. SESMIC STANDARD: ASTM E 580, CISCA, UBC STANDARD 25-2, ASCE 7
   D. ACOUSTIC TILE STANDARD: ASTM E 1264
   E. SUSPENSION SYSTEM: ASTM C 635
   F. ATTACHMENT DEVICES: ASTM C 635, ASTM A 641
   G. ALUMINUM EDGE: ASTM B 221, AA-M12C42
2. ACOUSTIC CEILING TILES
   A. MANUFACTURER, BASIS OF DESIGN: ARMSTRONG
   B. PRODUCT: DUNE, TEGULAR FINE TEXTURE
   C. TECHNICAL DATA: ASTM E84, ASTM E1264, TYPE III
   D. COLOR: WHITE
   E. EXTRA MATERIALS: 2% TILES AND COMPONENTS

09651 RESILIENT BASE AND ACCESSORIES
RESILIENT WALL BASE AND ACCESSORIES
1. MANUFACTURER: JOHNSONITE OR EQUAL
   A. PRODUCT: RESILIENT RUBBER AND VINYL WALL BASE
   B. TECHNICAL DATA: ASTM D 2240, ASTM E684/ NFPA 255
   C. COLOR: SELECTED BY OWNER
   D. SIZE: 4" HIGH
   E. WARRANTY: 1 YEAR
2. ADHESIVE
   A. MANUFACTURER: JOHNSONITE OR EQUAL
   B. PRODUCT: 960 ACRYLIC COVE BASE ADHESIVE
   C. MAXIMUM VOC CONTENT: 50 G/L

RUBBER STAIR TREADS
1. BASIS OF DESIGN: JOHNSONITE OR EQUAL
   A. PRODUCT: RUBBER STAIR TREADS
   B. STYLE: BAMBOO BMTR
   C. COLOR: SELECTED BY OWNER
   D. PREPARATION: PREP FLOOR AS NECESSARY TO MEET MANUFACTURERS INSTALLATION INSTRUCTIONS
2. ADHESIVE
   A. MANUFACTURER: JOHNSONITE OR EQUAL
   B. PRODUCT: PER MANUFACTURERS RECCOMENDATIONS
   C. MAXIMUM VOC CONTENT: 50 G/L

09912 INTERIOR PAINTING
1. SURFACE PREPARATION AND PAINTING ON INTERIOR SUBSTRATES
   A. PERFORMANCE DATA:
      1. MPI STANDARDS: APPROVED PRODUCT LIST
   B. TEMPERATURE: 50-95 DEG F
   C. AROMATIC COMPONENTS: < 1% TOTAL WEIGHT
   D. RESTRICTED COMPONENTS: ACROLEIN, ACRYLONITRILE, ANTIMONY, ENZENE, BUTYL BENZYL PTHALATE, CADMIUM, DIPTHALATE, DI-N- BUTYL PTHALATE, DI-N-OCTYL PTHALATE, 1,2-DICHLOROBENZENE, DIETHYL PTHALATE, DIMETHYL PTHALATE, ETHYLBENZENE, FORMALDEHYDE, HEXAVALENT CHROMIUM, ISOPHORONE, LEAD, MERCURY, METHYL ETHYL KETONE, METHYL ISOBUTYL KETONE, METHYLENE CHLORIDE, NAPTHENE, TOLUENE, TRICHLOROETHANE, VYNIL CHLORIDE
   E. EXTRA MATERIALS: 5%, BUT NOT LESS THAN 1 GAL.
2. INTERIOR PAINT
   A. MANUFACTURERS: SHERWIN WILLIAMS OR EQUAL
      1. PRODUCT:
         1. FLAT PAINTS, PRIMERS: VOC CONTENT < 50 G/L
         2. NONFLAT PAINTS: VOC CONTENT < 150 G/L
         3. NON-FLAT TOPCOAT PAINTS: VOC CONTENT < 150 G/L
         4. ANTI-CORROSIVE TO METALS: VOC CONTENT < 250 G/L
      2. PAINTS:
         1. PRIMERS: INTERIOR LATEX PRIMER/SEALER MPI #50
         2. METAL PRIMERS: MPI #76, 79, VOC CONTENT E RANGE OF E1
         3. LATEX: SATIN, MPI #140, VOC CONTENT E RANGE OF E1
         4. LATEX: SEMIGLOSS, MPI #141, VOC CONTENT E RANGE OF E1
         5. ALKYD: EGGSHELL, MPI #51, VOC CONTENTE RANGE OF E1
         6. ALKYD: SEMIGLOSS, MPI #47, VOC CONTENT E RANGE OF E1
         7. COLORS TO BE SELECTED BY OWNER

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26 05 00 - COMMON WORK RESULTS FOR ELECTRICAL

A. SCOPE OF WORK: FURNISH AND INSTALL ALL MATERIAL AND EQUIPMENT FOR AN EXTENSION TO THE EXISTING ELECTRICAL SYSTEM AS INDICATED ON THE DRAWINGS AND IN THESE SPECIFICATIONS.

B. STANDARDS, CODES AND REGULATIONS: COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, INTERNATIONAL BUILDING CODE, AND INTERNATIONAL FIRE CODE INCLUDING ALL STATE AND LOCAL AMENDMENTS TO THESE CODES. COMPLY WITH THE LATEST PUBLISHED VERSION OF THE NECA STANDARD OF INSTALLATION.

C. DRAWINGS: THE DRAWINGS ARE DIAGRAMMATIC, NOT SHOWING ALL OFFSETS OR EXACT LOCATIONS OF FIXTURES, EQUIPMENT, ETC. UNLESS SPECIFICALLY DIMENSIONED. FIELD VERIFICATION OF DIMENSIONS, LOCATIONS AND LEVELS IS DIRECTED. INSTALL MATERIAL NOT DIMENSIONED ON DRAWINGS IN A MANNER TO PROVIDE A SYMMETRICAL APPEARANCE. REVIEW THE DRAWINGS AND SPECIFICATIONS FOR EQUIPMENT FURNISHED BY OTHER CRAFTS BUT INSTALLED IN ACCORDANCE WITH THIS SECTION. BRING QUESTIONABLE ITEMS, APPARENT CONFLICTS BETWEEN PLANS AND SPECIFICATIONS, GOVERNING CODES OR UTILITIES REGULATIONS TO THE ATTENTION OF THE OWNER. CODES, ORDINANCES, REGULATIONS, MANUFACTURER'S INSTRUCTIONS OR STANDARDS TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT OR CONFLICT WITH THE DRAWINGS AND SPECIFICATIONS.

D. COORDINATION: REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENTS ASSOCIATED WITH THIS PROJECT FOR A COMPLETE UNDERSTANDING OF THE PROJECT REQUIREMENTS. CONTRACT DOCUMENTS ARE ISSUED IN THEIR ENTIRETY, NOT AS DISCRETE SETS BY TRADE OR DISCIPLINE, AND IT IS NECESSARY FOR ALL TRADES TO COORDINATE WORK REQUIREMENTS NOTED THROUGHOUT THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO BEGINNING CONSTRUCTION TO VERIFY ALL INTENDED EQUIPMENT FOR CONNECTION AND FINAL LOCATIONS.

E. RECORD DRAWINGS: MARK UP A CLEAN SET OF DRAWINGS AS THE WORK PROGRESSES TO SHOW THE DIMENSIONED LOCATION AND ROUTING OF ALL ELECTRICAL WORK WHICH WILL BECOME PERMANENTLY CONCEALED. SHOW COMPLETE ROUTING AND SIZING OF ANY SIGNIFICANT REVISIONS TO THE SYSTEMS SHOWN.

F. WORKMANSHIP: INSTALLATION OF ALL WORK SHALL BE MADE SO THAT ITS SEVERAL COMPONENT PARTS SHALL FUNCTION AS A WORKABLE SYSTEM COMPLETE WITH ALL ACCESSORIES NECESSARY FOR ITS OPERATION. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS AND/OR INSTALLATION DRAWINGS AND IN ACCORDANCE WITH NECA STANDARDS. MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL CONFORM WITH APPLICABLE INDUSTRY STANDARDS, NEMA STANDARDS AND UNDERWRITERS LABORATORIES STANDARDS WHERE APPLICABLE.

G. SUBMITTALS: PROVIDE MATERIAL AND EQUIPMENT SUBMITTALS WHERE REQUESTED CONTAINING A COMPLETE LISTING OF MATERIAL AND EQUIPMENT SHOWN ON THE DRAWINGS. INCLUDE CATALOG NUMBERS, WIRING DIAGRAMS, ROUGH-IN DIMENSIONS AND PERFORMANCE DATA FOR ALL MATERIAL AND EQUIPMENT. SUBMITTALS SHALL BE IN ELECTRONIC .PDF FORMAT, SEPARATE FROM WORK FURNISHED UNDER OTHER DIVISIONS. INDEX AND CLEARLY IDENTIFY ALL MATERIAL AND EQUIPMENT BY ITEM, NAME OR DESIGNATION USED ON THE DRAWINGS. SUBMITTAL REVIEW IS FOR GENERAL DESIGN AND ARRANGEMENT ONLY AND DOES NOT RELIEVE THE CONTRACTOR FROM ANY REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE SUBMITTALS ARE NOT CHECKED FOR QUANTITY, DIMENSION, OR FOR PROPER OPERATION. WHERE DEVIATIONS OF A SUBSTITUTE PRODUCT OR SYSTEM PERFORMANCE HAVE NOT BEEN SPECIFICALLY NOTED IN THE SUBMITTAL BY THE CONTRACTOR, PROVISIONS OF A COMPLETE AND SATISFACTORY WORKING INSTALLATION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

H. OPERATION AND MAINTENANCE MANUALS: PROVIDE OPERATION AND MAINTENANCE MANUALS FOR TRAINING OF THE OWNER'S PERSONNEL. DESCRIBE THE PROCEDURES NECESSARY TO OPERATE THE SYSTEM INCLUDING START-UP, OPERATION, EMERGENCY OPERATION AND SHUTDOWN. PROVIDE INSTRUCTIONS AND A SCHEDULE OF PREVENTIVE MAINTENANCE IN TABULAR FORM FOR ALL ROUTINE CLEANING, INSPECTION AND LUBRICATION WITH RECOMMENDED LUBRICANTS. PROVIDE INSTRUCTIONS FOR MINOR REPAIR OR ADJUSTMENTS REQUIRED FOR PREVENTIVE MAINTENANCE ROUTINES. PROVIDE MANUFACTURER'S DESCRIPTIVE LITERATURE INCLUDING APPROVED SHOP DRAWINGS COVERING DEVICES USED IN ANY CONTRACTOR-PROVIDED EQUIPMENT OR SYSTEMS WITH ILLUSTRATION, EXPLODED VIEWS, ETC.

I. WARRANTY: THE CONTRACTOR SHALL GUARANTEE ALL WORK EXECUTED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM BENEFICIAL OCCUPANCY. ANY FAULTY MATERIALS OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER DURING THE GUARANTEE PERIOD. COPIES OF MANUFACTURER PRODUCT WARRANTIES FOR ALL EQUIPMENT SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUALS.

J. PERMITS: SECURE AND PAY FOR ALL FEES, PERMITS, ETC. REQUIRED BY LOCAL AND STATE AGENCIES.

K. REFERENCE SYMBOLS: THE ELECTRICAL "LEGEND" ON THE DRAWINGS IS A STANDARDIZED VERSION, AND ALL SYMBOLS SHOWN MAY NOT BE USED. USE THE "LEGEND" AS A REFERENCE FOR THE SYMBOLS USED ON THE DRAWINGS.

L. PENETRATION OF FIRE BARRIERS: ALL ELECTRICAL PENETRATIONS THROUGH FIRE RATED BARRIERS SHALL BE SEALED IN ACCORDANCE WITH NEC ARTICLE 300.21 AND THE FOLLOWING:

1. ALL HOLES OR VOIDS CREATED TO EXTEND ELECTRICAL SYSTEMS THROUGH FIRE RATED FLOORS, WALLS OR CEILING SHALL BE SEALED WITH AN ASBESTOS-FREE INTUMESCENT FIRE STOPPING MATERIAL CAPABLE OF EXPANDING 8 TO 10 TIMES WHEN EXPOSED TO TEMPERATURES 250 DEGREES F OR HIGHER.
2. MATERIALS SHALL BE SUITABLE FOR THE FIRE STOPPING OF PENETRATIONS MADE BY STEEL, GLASS, PLASTIC AND SHALL BE CAPABLE OF MAINTAINING AN EFFECTIVE BARRIER AGAINST FLAME, SMOKE AND GASES IN COMPLIANCE WITH THE REQUIREMENTS OF ASTM E814, UL 1479 AND THE UL FIRE RESISTANCE DIRECTORY REQUIREMENTS FOR THROUGH-PENETRATION FIRESTOP DEVICES (XHCR).
3. THE RATING OF THE FIRE STOPS SHALL BE THE SAME AS THE TIME-RATED FLOOR, WALL OR CEILING ASSEMBLY.
4. INSTALL FIRE STOPPING MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

26 05 19 - WIRE AND CABLE

A. SUBMITTALS: NONE REQUIRED FOR THIS SECTION.

B. MATERIALS:

1. ALL CONDUCTORS SHALL BE COPPER WITH TYPE XHHW, THWN, THW OR THHN INSULATION. MINIMUM BRANCH CIRCUIT CONDUCTOR SIZE SHALL BE #12 AWG. MINIMUM CONTROL CIRCUIT CONDUCTOR SIZE SHALL BE #18 AWG.
2. TYPE MC CABLE: SOLID (SIZE #12 THROUGH #10) OR STRANDED (SIZE #8 THROUGH #1) COPPER CONDUCTOR, 600 VOLT THERMOPLASTIC INSULATION, RATED 90° C, INSULATED GREEN GROUNDING CONDUCTOR, AND GALVANIZED STEEL ARMOR OVER MYLAR. MC CABLE USED FOR FIRE ALARM WIRING SHALL BE COLORED RED AND LISTED FOR FIRE ALARM USE.

C. INSTALLATION:

1. COLOR CODE WIRES BY LINE OR PHASE. COLOR CODE THE 120/208V CONDUCTORS BLACK, RED, BLUE, AND WHITE. COLOR CODE THE 277/480V CONDUCTORS BROWN, ORANGE, YELLOW, AND GRAY.
2. USE #10 AWG CONDUCTOR FOR 20 AMPERE, 120 VOLT BRANCH CIRCUIT HOME RUNS LONGER THAN 75 FEET.
3. DO NOT SHARE NEUTRAL CONDUCTORS. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT THAT REQUIRES A NEUTRAL.
4. USE PROPERLY SIZED INSULATED SPRING WIRE CONNECTORS WITH PLASTIC CAPS FOR ALL CONDUCTORS #8 AWG AND SMALLER.
5. INSTALLATION SCHEDULE: BUILDING WIRE IN CONCEALED RACEWAYS AT ALL LOCATIONS UNLESS OTHERWISE NOTED. TYPE MC CABLE MAY BE USED FOR BRANCH CIRCUIT WIRING IN CONCEALED DRY, INTERIOR LOCATIONS OTHER THAN HOMERUNS. HOMERUNS SHALL BE BUILDING WIRE IN RACEWAY.
6. FOR MC CABLE: AN INSULATED BUSHING OR ITS EQUIVALENT PROTECTION SHALL BE PROVIDED BETWEEN THE CONDUCTOR AND THE OUTER METAL SHEATH AND MUST BE VISIBLE FOR INSPECTION.
7. AT THE CONTRACTOR'S OPTION, PORTIONS OF THE FIRE ALARM WIRING IN DRY, CONCEALED LOCATIONS MAY BE INSTALLED IN FIRE ALARM METAL CLAD CABLE.

26 05 26 - GROUNDING AND BONDING

A. SUBMITTALS: NONE REQUIRED FOR THIS SECTION.

B. INSTALLATION:

1. PROVIDE A SEPARATE, INSULATED EQUIPMENT GROUNDING CONDUCTOR IN ALL NEW BRANCH CIRCUITS. TERMINATE EACH END ON IT'S OWN GROUNDING LUG, BUS, OR BUSHING.
2. MECHANICAL CONNECTORS: NON-REVERSIBLE CRIMP TYPE LUGS ONLY. USE FACTORY MADE COMPRESSION LUG FOR ALL TERMINATIONS. CRIMP TYPE ONE HOLE FOR CONDUCTORS SMALLER THAN #6 AWG. FOR TELECOMMUNICATION SYSTEMS USE COPPER, COPPER ALLOY, OR TIN-PLATED COPPER LUGS.
3. BOND TOGETHER EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT, METAL RACEWAY SYSTEMS, GROUNDING CONDUCTOR IN RACEWAYS AND CABLES, RECEPTACLE GROUND CONNECTORS.

26 05 29 - HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

A. SUBMITTALS: NONE REQUIRED FOR THIS SECTION.

B. MATERIAL: SUPPORT CHANNEL SHALL BE GALVANIZED OR PAINTED STEEL. HARDWARE SHALL BE CORROSION RESISTANT.

C. INSTALLATION: EQUIPMENT WEIGHING MORE THAN 50 POUNDS SHALL BE ADEQUATELY ANCHORED TO THE BUILDING STRUCTURE TO RESIST LATERAL EARTHQUAKE FORCES.

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SYMBOL LEGEND

- DOUBLE DUPLEX TAMPERPROOF RECEPTACLE
- MOTOR CONNECTION
- SM MOTOR DISCONNECT SWITCH
- DOOR HARDWARE POWER SUPPLY AND DOOR DEVICE CONNECTIONS, PROVIDE WITH CONDUIT AND CABLING PER MANUFACTURER'S REQUIREMENTS TO IT 110.
- SECURITY CAMERA ROUGH-IN, PROVIDE CONDUIT AND CAT 6A CABLING BACK TO SECURITY CAMERA HEAD END RACK IN IT 110.
- CR BADGE SECURITY CARD READER, PROVIDE WITH CONDUIT AND CABLING PER MANUFACTURER'S REQUIREMENTS TO IT 110.
- D DOOR SECURITY CONTACT, PROVIDE WITH CONDUIT AND CABLING PER MANUFACTURER'S REQUIREMENTS TO IT 110.
- HM 120V MAGNETIC DOOR HOLDER
- DURESS BUTTON FOR SECURITY SYSTEM LOCKDOWN ACTIVATION
- 2 CAT 6A BACK TO SECURITY CAMERA HEAD END IN IT 110
- FACP FIRE ALARM CONTROL PANEL
- PANELBOARD - RECESSED

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
C	CONDUIT
FACP	FIRE ALARM CONTROL PANEL
GND	GROUND
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF

LINETYPES

- EXISTING TO REMAIN
- NEW WORK

LIGHT FIXTURE SCHEDULE

TAG TYPE	SYMBOL	MANUFACTURER/ CATALOG # OR EQUAL	FIXTURE DESCRIPTION	MOUNTING	LUMENS/ TEMP.	INPUT WATTS	NOTES
E		LITHONIA #LHQM-LED-G-HO-RO-SD	LED EXIT SIGN WITH 90-MINUTE BATTERY BACKUP, MULTIVOLT.	SURFACE, CEILING	NA	5	

GENERAL NOTES

A. ALL BRANCH CIRCUITING IS MINIMUM 2#12, 1#12 GND.

B. SEE ARCHITECTURAL FOR SECURITY DEVICE AND DOOR HARDWARE SPECIFICATIONS. PROVIDE ALL CONDUIT AND WIRING AS NEEDED FOR EACH DOOR HARDWARE GROUP PER MANUFACTURER'S WIRING DIAGRAMS.

C. PROVIDE MANUFACTURER'S REQUIRED WIRING TO ALL SECURITY DEVICES FOR A COMPLETE AND FUNCTIONAL SYSTEM. ALL WIRING AND CONDUIT TO BE COMPLETE TO SECURITY SYSTEM PANELS IN IT 110.

D. NEW SECURITY DEVICES TO INTEGRATE INTO THE EXISTING SECURITY SYSTEM. MATCH EXISTING SECURITY SYSTEM PROGRAMMING AND FUNCTIONALITY.

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SECURITY UPGRADES
PALMER, ALASKA

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Sheet Contents
LEGEND, FIXTURE SCHEDULE, ABBREVIATIONS, AND ELECTRICAL SPECIFICATIONS

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CONSTRUCTION DOCUMENTS FULL SIZE 22x34 HALF SIZE 11x17

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26 05 33 - RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS

A. SUBMITTALS: NONE REQUIRED FOR THIS SECTION.
B. MATERIALS:
1. RIGID STEEL CONDUIT: ANSI C80.1. FITTINGS AND CONDUIT BODIES: ANSI/NEMA FB 1; THREADED TYPE WITH INSULATED THROAT BUSHINGS, MATERIAL TO MATCH CONDUIT.
2. INTERMEDIATE METAL CONDUIT (IMC): GALVANIZED STEEL. FITTINGS AND CONDUIT BODIES: ANSI/NEMA FB 1; USE FITTINGS AND CONDUIT BODIES SPECIFIED ABOVE FOR RIGID STEEL CONDUIT.
3. ELECTRICAL METALLIC TUBING CONDUIT (EMT): ANSI C80.3. GALVANIZED TUBING. FITTINGS AND CONDUIT BODIES: ANSI/NEMA FB 1; STEEL OR MALLEABLE IRON, COMPRESSION TYPE OR SET SCREW FITTINGS WITH INSULATED THROAT BUSHINGS. DIE-CAST FITTINGS ARE NOT ACCEPTABLE.
4. FLEXIBLE METAL CONDUIT: FS WW-C-566; STEEL, FULL WALL OR REDUCED WALL THICKNESS. FITTINGS AND CONDUIT BODIES: ANSI/NEMA FB 1; STEEL OR MALLEABLE IRON WITH INSULATED THROAT BUSHINGS. DIE CAST FITTINGS ARE NOT ACCEPTABLE.
5. LIQUIDTIGHT FLEXIBLE CONDUIT: FLEXIBLE METAL CONDUIT WITH PVC JACKET. FITTINGS AND CONDUIT BODIES: ANSI/NEMA FB 1; STEEL OR MALLEABLE IRON WITH INSULATED THROAT BUSHINGS. DIE CAST FITTINGS ARE NOT ACCEPTABLE.
6. PROVIDE GALVANIZED OR CADMIUM PLATED, ONE PIECE PRESSED STEEL OUTLET BOXES 4 INCH SQUARE OR OCTAGONAL, 1-1/2 INCHES DEEP MINIMUM SIZE FOR USE IN INTERIOR AREAS.
7. FOR TELECOMMUNICATIONS SYSTEMS, OUTLET BOXES SHALL BE 4-11/16 INCHES SQUARE, 2-1/8 INCHES DEEP MINIMUM.
8. PROVIDE CAST ALUMINUM OR FERALLOY TYPE BOXES WITH GASKETED COVER, THREADED HUBS AND NEMA 3R RATING FOR USE IN EXTERIOR OR WET LOCATIONS.

C. INSTALLATION:
1. INSTALL CONDUIT FOR ALL SYSTEMS UNLESS OTHERWISE NOTED, 1/2 INCH MINIMUM SIZE, EXCEPT CONDUIT FOR SPECIAL SYSTEMS SHALL BE 3/4" MINIMUM.
2. CONDUIT IN EXPOSED OUTDOOR LOCATIONS, WET INTERIOR LOCATIONS, SHALL BE RIGID STEEL CONDUIT OR INTERMEDIATE METAL CONDUIT.
3. EXPOSED DRY INTERIOR LOCATIONS SHALL BE RIGID STEEL CONDUIT OR INTERMEDIATE METAL CONDUIT. ELECTRICAL METALLIC TUBING MAY BE USED EXPOSED WHEN INSTALLED ON THE CEILING, A MINIMUM OF TEN FEET ABOVE THE FLOOR OR WHERE NOT SUBJECT TO PHYSICAL DAMAGE. EMT MAY ALSO BE USED FOR CONCEALED, DRY, INTERIOR LOCATIONS.
4. EQUIPMENT CONNECTIONS SHALL BE SHORT EXTENSIONS OF FLEXIBLE METAL CONDUIT TO ALLOW FOR VIBRATION. LIQUIDTIGHT FLEXIBLE CONDUIT AND FITTINGS SHALL BE USED FOR THESE CONNECTIONS IN DAMP OR WET LOCATIONS.
5. CONDUIT TO BE CONCEALED AS MUCH AS POSSIBLE, LIMIT USE OF EXPOSED CONDUIT. PAINT ALL EXPOSED CONDUIT TO MATCH SURFACE TO WHICH IT IS ATTACHED OR CROSSES. CLEAN GREASY OR DIRTY CONDUIT PRIOR TO PAINTING IN ACCORDANCE WITH PAINT MANUFACTURER'S INSTRUCTIONS.
6. RACEWAYS AND BOXES PENETRATING VAPOR BARRIERS OR PENETRATING AREAS FROM COLD TO WARM SHALL BE TAPED AND SEALED WITH A NON-HARDENING DUCT SEALING COMPOUND TO PREVENT THE ACCUMULATION OF MOISTURE.
7. ALL CONDUIT FOR THE TELECOMMUNICATIONS DISTRIBUTION SYSTEM SHALL BE INSTALLED WITH NO MORE THAN THREE 90-DEGREE BENDS BETWEEN PULLBOXES. PULL BOXES SHALL NOT BE USED IN LIEU OF CONDUIT BENDS. CONDULETS (LB FITTINGS) SHALL NOT BE INSTALLED IN ANY TELECOMMUNICATIONS RACEWAY.
8. PROVIDE OUTLET BOXES AS SHOWN ON THE DRAWINGS, AND AS REQUIRED FOR SPLICES, TAPS, WIRE PULLING, EQUIPMENT CONNECTIONS, DEVICE INSTALLATION AND CODE COMPLIANCE. PROVIDE KNOCKOUT CLOSURES FOR UNUSED OPENINGS.
9. INSTALL FITTINGS AND FLEXIBLE METAL CONDUIT TO ACCOMMODATE 3-AXIS MOVEMENTS WHERE RACEWAY CROSSES SEISMIC JOINTS. INSTALL FITTINGS DESIGNED AND LISTED TO ACCOMMODATE EXPANSION AND CONTRACTION WHERE RACEWAY CROSSES CONTROL AND EXPANSION JOINTS.
10. DO NOT INSTALL BOXES BACK-TO-BACK IN WALLS. PROVIDE A MINIMUM 6 INCH SEPARATION FOR MINIMUM SOUND TRANSMISSION.
11. USE MULTIPLE-GANG BOXES WHERE MORE THAN ONE DEVICE ARE MOUNTED TOGETHER; DO NOT USE SECTIONAL BOXES.
12. SUPPORT BOXES INDEPENDENTLY OF CONDUIT.
13. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF OUTLETS MOUNTED ABOVE COUNTERS, BENCHES AND BACKSPLASHES.

26 05 53 - IDENTIFICATION FOR ELECTRICAL SYSTEMS

A. SUBMITTALS: NONE REQUIRED FOR THIS SECTION.
B. MATERIALS:
1. NAMEPLATES: ENGRAVED THREE-LAYER LAMINATED PLASTIC, BLACK LETTERS ON A WHITE BACKGROUND. NAMEPLATES SHALL BE PROVIDED TO IDENTIFY ALL ELECTRICAL DISTRIBUTION AND CONTROL EQUIPMENT AND LOADS SERVED.
2. TAPE LABELS: ADHESIVE TAPE LABELS, WITH 3/16 INCH BOLD BLACK LETTERS ON CLEAR BACKGROUND MADE USING DYMO RHINO SERIES OR EQUAL LABEL PRINTER.
3. WIRE AND CABLE MARKERS: CLOTH MARKERS, SPLIT SLEEVE OR TUBING TYPE.

C. INSTALLATION:
1. GEAR: PROVIDE NAMEPLATES TO IDENTIFY ALL CONTROL EQUIPMENT, LOADS SERVED, AND LOW-VOLTAGE SYSTEM PANELS. INDICATE DEVICE NAME AND WHERE THE POWER ORIGINATES.
2. JUNCTION BOXES: MARK ALL CIRCUIT NUMBERS OF WIRING ON ALL JUNCTION BOXES WITH SHEET STEEL COVERS. MARK WITH INDELIBLE BLACK MARKER. ON EXPOSED JUNCTION BOXES IN PUBLIC AREAS, MARK ON INSIDE OF COVER. MARK ALL FIRE ALARM SYSTEM JUNCTION BOXES WITH SHEET STEEL COVERS WITH "FA" WITH INDELIBLE RED MARKER OR PAINT RED WHERE INSTALLED EXPOSED. MARK ALL OTHER SPECIAL SYSTEM JUNCTION BOXES WITH SHEET STEEL COVERS.
3. WIRE IDENTIFICATION: PROVIDE WIRE MARKERS ON EACH CONDUCTOR IN PANELBOARD GUTTERS, PULL BOXES, OUTLET AND JUNCTION BOXES, AND AT LOAD CONNECTION. MARKERS SHALL BE LOCATED WITHIN ONE INCH OF EACH CABLE END, EXCEPT AT PANELBOARDS, WHERE MARKERS FOR BRANCH CIRCUIT CONDUCTORS SHALL BE VISIBLE WITHOUT REMOVING PANEL DEADFRONT.
4. DEVICE PLATES: LABEL EACH RECEPTACLE DEVICE PLATE OR POINT OF CONNECTION DENOTING THE PANELBOARD NAME AND CIRCUIT NUMBER. INSTALL LABEL ON THE TOP OF EACH DEVICE PLATE.

26 24 16 - PANELBOARDS

A. SUBMITTALS: NONE REQUIRED FOR THIS SECTION.
B. MATERIAL:
1. MANUFACTURERS: SQUARE D, NO SUBSTITUTIONS.
2. NEW BREAKERS IN EXISTING PANELS: NEMA AB 1; UL LISTED FOR USE IN THE PANEL, AMPERE RATING AND NUMBER OF POLES AS INDICATED ON PLANS. AIC RATING SHALL MATCH THE LOWEST RATED DEVICE IN THE PANEL.

C. INSTALLATION:
1. INSTALL NEW BREAKER(S) IN EXISTING PANEL(S) AND TEST FOR PROPER OPERATION.
2. UPDATE CIRCUIT DIRECTORY TO REFLECT ALL CHANGES.

26 27 26 - WIRING DEVICES

A. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL.
B. MATERIALS:
1. RECEPTACLES: CONVENIENCE AND STRAIGHT BLADE RECEPTACLES SHALL BE NEMA WD1 TYPE 5-20R, WHITE NYLON FACE. SPECIFIC USE RECEPTACLES SHALL BE NEMA WD1 OR WD5; AS REQUIRED TO MATCH LOAD SERVED, BLACK PHENOLIC FACE. TAMPERPROOF RECEPTACLES SHALL BE UL 498.
2. WALLPLATES: DECORATIVE WALLPLATES IN FINISHED AREAS SHALL BE 430 OR 302 STAINLESS STEEL OR WHITE THERMOPLASTIC NYLON (SHALL MATCH EXISTING ADJACENT DEVICES) WITH METAL, COUNTER SUNK SCREWS TO MATCH COLOR OF WALLPLATE. PROVIDE 1/2 INCH RAISED, SQUARE, GALVANIZED OR CADMIUM PLATED, PRESSED STEEL COVER PLATE SUPPORTING DEVICES INDEPENDENT OF THE OUTLET BOX FOR ALL EXPOSED WORK.

C. INSTALLATION:
1. ALL RECEPTACLES TO BE TAMPERPROOF TYPE.
2. UNLESS OTHERWISE NOTED ON THE DRAWINGS, INSTALL RECEPTACLES 18 INCHES ABOVE FINISH FLOOR, 4 INCHES ABOVE COUNTERS AND BACKSPLASHES WITH GROUNDING POLE ON BOTTOM. UNLESS OTHERWISE NOTED DIMENSIONS ARE TO CENTERLINE OF OUTLET.
3. INSTALL GALVANIZED STEEL PLATES ON OUTLET BOXES AND JUNCTION BOXES IN UNFINISHED AREAS, ABOVE ACCESSIBLE CEILINGS, AND ON SURFACE-MOUNTED OUTLETS.

26 50 00 - LIGHTING FIXTURES

A. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL.
B. MATERIALS:
1. LUMINAIRES: PROVIDE AND INSTALL ALL LIGHTING EQUIPMENT OR APPROVED EQUAL AS SHOWN ON THE DRAWINGS AND DESCRIBED IN THE "FIXTURE SCHEDULE". PROVIDE LIGHTING EQUIPMENT COMPLETE, WIRED, ASSEMBLED, WITH PROPER FLANGES, MOUNTING SUPPORTS, HARDWARE, ETC.

C. INSTALLATION:
1. PROVIDE LUMINAIRE DISCONNECTING MEANS IN BALLAST/DRIVER CHANNEL OF EACH LIGHT FIXTURE. WHERE THE LUMINAIRE IS FED FROM A MULTI-WIRE BRANCH CIRCUIT, PROVIDE MULTI-POLE DISCONNECT TO SIMULTANEOUSLY BREAK ALL SUPPLY CONDUCTORS TO THE BALLAST, INCLUDING THE GROUNDED CONDUCTOR.
2. AIM ALL LUMINAIRES AND EMERGENCY LIGHTING UNITS THAT HAVE ADJUSTABLE LAMPS OR LENSES.
3. TEST OPERATION OF ALL EMERGENCY LIGHTS BY SIMULATING A POWER OUTAGE FOR 90 MINUTES. CONFIRM THAT ALL EMERGENCY LIGHTING IS OPERATIONAL AND MEETS THE REQUIREMENTS OF NEC 700.12(A). CORRECT ALL DEFICIENCIES PRIOR TO SUBSTANTIAL COMPLETION.

27 10 00 - STRUCTURED CABLING

A. SUMMARY: THIS SECTION INCLUDES REQUIREMENTS FOR THE DESIGN AND INSTALLATION OF A TELECOMMUNICATIONS CABLING SYSTEM INCLUDING COMMUNICATIONS CABLE, TELECOMMUNICATIONS JACKS, RACEWAYS, ETC. AS REQUIRED FOR A COMPLETE AND FUNCTIONAL TELECOMMUNICATIONS CABLING SYSTEM. QUALITY ASSURANCE: ALL PRODUCTS SHALL BE OF ONE MANUFACTURER'S STRUCTURED CABLING SYSTEM. THE MANUFACTURER SHALL BE A COMPANY SPECIALIZING IN MANUFACTURING THE PRODUCTS SPECIFIED WITH A MINIMUM 5 YEARS DOCUMENTED EXPERIENCE. THE INSTALLER SHALL BE A COMPANY SPECIALIZING IN PERFORMING THIS TYPE OF WORK WITH A MINIMUM 3 YEARS DOCUMENTED EXPERIENCE AND MANUFACTURER'S CERTIFICATION TO INSTALL THE PRODUCT. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS: TIA/EIA 568-B.1-3, TIA/EIA 569_A, AND TIA/EIA 607.
B. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL.
C. MATERIALS:
1. UTP TELECOMMUNICATION CABLE: HUBBELL NEXTSPEED OR APPROVED EQUAL, CATEGORY 6A, UTP, 4 PAIR, 23 AWG, INSULATED SOLID COPPER CONDUCTOR TELECOMMUNICATIONS CABLE. NOMINAL OUTER JACKET DIAMETER SHALL BE 0.215" FOR PLENUM RATED CABLE. CABLE SHALL EXCEED CATEGORY 6A TRANSMISSION REQUIREMENTS SPECIFIED IN ANSI/TIA/EIA- 568.2-D AND BE SWEEP TESTED TO 550MHZ WITH GUARANTEED PERFORMANCE VALUES UP TO 400 MHZ.
2. UTP TELECOMMUNICATIONS JACK: RJ-45, CATEGORY 6A, T568A/B, 8P8C, TELECOMMUNICATIONS JACK WITH FLUSH EXIT WITH SINGLE-GANG FACEPLATES WITH FINISH TO MATCH JACK. HUBBELL XCELERATOR CATEGORY 6A JACK OR APPROVED EQUAL.
3. CABLE SUPPORT: ALL CABLES NOT INSTALLED IN CONDUIT SHALL BE SUPPORTED USING J-HOOKS, CADDY CABLECAT SERIES OR APPROVED EQUAL, WITH A MINIMUM J-HOOK SIZE EQUIVALENT TO CADDY #CAT32 OR APPROVED EQUAL. SIZE ALL J-HOOKS TO SUPPORT THE QUANTITY OF CABLES INSTALLED, PLUS A MINIMUM OF 25% SPARE CAPACITY.

D. INSTALLATION:
1. UNLESS OTHERWISE NOTED, ALL CABLES SHALL BE INSTALLED IN CONDUIT FROM THE TELECOMMUNICATIONS JACK TO THE SPACE ABOVE THE ACCESSIBLE CEILING AND IN CONDUIT THROUGH INACCESSIBLE AREAS. SUPPORT CABLES INSTALLED IN CEILING SPACES WITH J-HOOKS ANCHORED TO THE ROOF STRUCTURE. MAXIMUM SPACING BETWEEN SUPPORTS SHALL BE 4 FEET, MAXIMUM NUMBER OF CABLES ON EACH SUPPORT SHALL BE 25. CABLES SHALL BE ROUTED A MINIMUM OF 5 INCHES FROM POWER LINES 2 KVA OR LESS, 12 INCHES FROM FLUORESCENT OR HID BALLASTS, 36 INCHES FROM POWER LINES 5 KVA OR GREATER, 40 INCHES FROM TRANSFORMERS AND MOTORS. STORE A MAXIMUM OF 12 INCHES OF SLACK CABLE AT EACH OUTLET AND A MINIMUM OF 10 FEET OF SLACK CABLE AT EACH RACK. CABLE JACKET SHALL BE MAINTAINED TO WITHIN .5 INCH OF JACK AND TWISTS SHALL BE MAINTAINED TO WITHIN .25 INCH OF TERMINATION POINT. COMPLY WITH CABLE MANUFACTURERS MAXIMUM PULLING TENSION AND MINIMUM BEND RADIUS REQUIREMENTS. DO NOT STRETCH, STRESS, TIGHTLY COIL, BEND OR CRIMP CABLES. CABLES SHALL BE ROUTED SO THAT CABLE LENGTHS DO NOT EXCEED 90 METERS PER ANSI/TIA/EIA REQUIREMENTS. PERFORM END-TO-END TESTS OF EACH CABLE AFTER INSTALLATION AND TERMINATION TO SHOW COMPLIANCE WITH ANSI/TIA/EIA REQUIREMENTS.
2. EACH UTP CABLE SHALL BE TESTED FOR COMPLIANCE WITH TIA/EIA 568-B.1 AND TIA/EIA 568B.2 CATEGORY 6A STANDARDS AFTER INSTALLATION USING A FLUKE #DTX OR APPROVED EQUAL TESTER.

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ADMINISTRATION BUILDING
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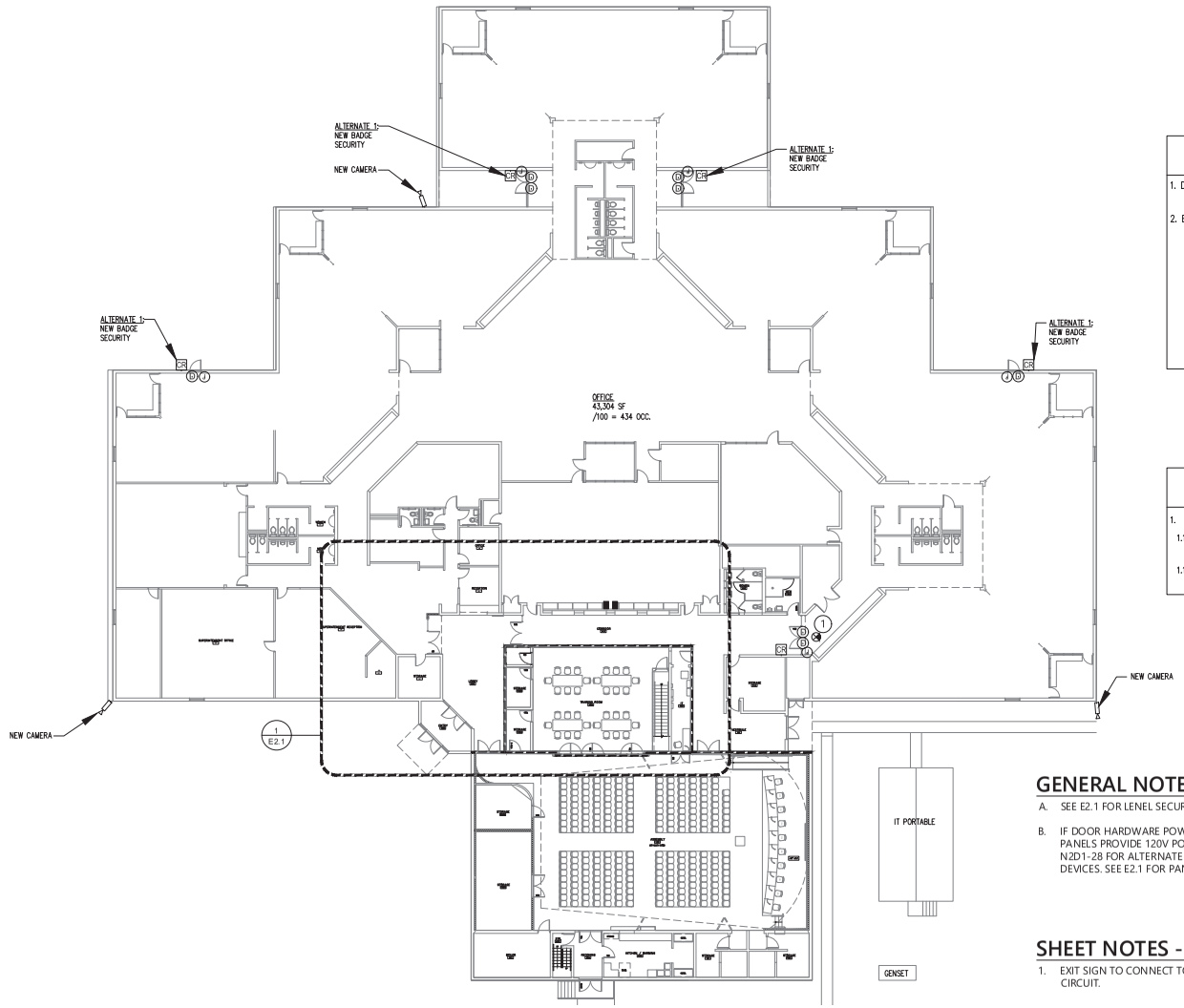
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CONSTRUCTION DOCUMENTS FULL SIZE 22x34 HALF SIZE 11x17

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ELECTRICAL SPECIFICATIONS

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BID #B24-03



1 OVERALL ELECTRICAL PLAN
1/16" = 1'-0"

SUMMARY OF WORK

1. DEMOLITION AS REQUIRED FOR INSTALLATION OF NEW SYSTEMS AND COMPONENTS.
2. ELECTRICAL WORK:
   - A. RELOCATION OF EXISTING LIGHT FIXTURES AND OUTLETS AS REQUIRED FOR INSTALLATION OF NEW SYSTEMS AND COMPONENTS.
   - B. NEW SECURITY CAMERAS (POWER/DATA/CONDUIT ONLY, CAMERA TO BE PROVIDED/INSTALLED BY MSBSD).
   - C. NEW POWER AND DATA FOR SECURITY HARDWARE.
   - D. EXPOSED CONDUIT AND BOXES SHALL BE PAINTED TO MATCH ADJACENT FINISHES, LIMIT EXPOSED CONDUIT. PROVIDE NEAT AND CLEAN FINISHED APPEARANCE, PARALLEL/PERPENDICULAR TO BUILDING LINES.

ALTERNATES

1. ALTERNATE NO. ONE (1) – ADDED SECURITY
   - 1.1.1. PROVIDE NEW BADGE SECURITY STATIONS AT EXTERIOR DOORS AS INDICATED.
   - 1.1.2. COORDINATE ALL WORK WITH EXISTING SECURITY SYSTEM.

GENERAL NOTES

A. SEE E2.1 FOR LENEL SECURITY PANEL LOCATIONS IN IT 110.

B. IF DOOR HARDWARE POWER DOES NOT COME FROM LENEL SECURITY PANELS PROVIDE 120V POWER FROM EXISTING SPARE BREAKERS: N2D1-28 FOR ALTERNATE #1 DEVICES; N2D1-30 FOR DOOR 113D DEVICES. SEE E2.1 FOR PANEL N2D1 LOCATION.

SHEET NOTES - (#)

1. EXIT SIGN TO CONNECT TO ADJACENT UN-SWITCHED LIGHTING CIRCUIT.

BR Engineering
Consulting Electrical Engineers
(907) 529-6565
191 E. Swanson Ave., Suite 103
Wasilla, AK 99654
AK LLC Authorization #136403

Wolf Architecture
PO BOX [illegible]
PALMER, ALASKA [illegible]
PH: [illegible]
FAX: [illegible]

STATE OF ALASKA
49TH
BRIAN J. RIGGAN
Oct 11, 2023
AELE10594
PROFESSIONAL ENGINEER

MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
ADMINISTRATION BUILDING
SECURITY UPGRADES
PALMER, ALASKA

Drawn	Date
BJR	10.11.2023
Checked	Job No.
BJR	23BR-23

Sheet Contents
OVERALL ELECTRICAL PLAN

CONSTRUCTION DOCUMENTS
FULL SIZE 22x34
HALF SIZE 11x17

Category	Sheet
E1	1

BID #B24-03

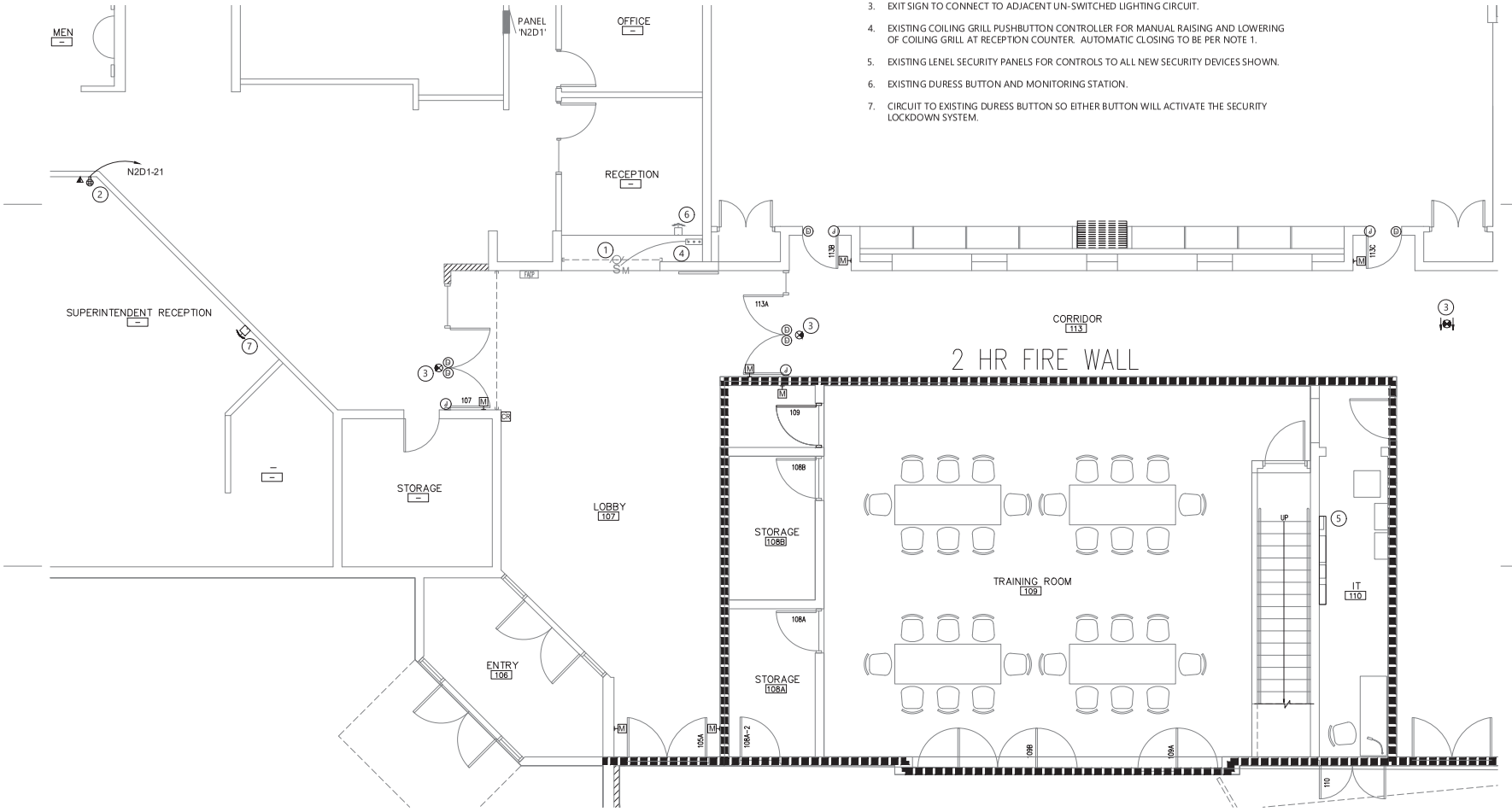
GENERAL NOTES

A. NEW MAGNETIC DOOR HOLDERS TO BE CIRCUITED TO EXISTING SPARE BREAKER N2D1-23. ACTIVATION OF FIRE ALARM OR SECURITY ALARM WILL RELEASE MAGNETIC DOOR HOLDERS, PROVIDE CONTROL WIRING AS NEEDED.

B. IF DOOR HARDWARE POWER DOES NOT COME FROM LENEL SECURITY PANELS PROVIDE 120V POWER FROM EXISTING SPARE BREAKER N2D1-30 FOR DOOR POWER SUPPLIES THIS SHEET.

SHEET NOTES - (#)

1. EXISTING MOTORIZED OVERHEAD SECURITY COILING GRILL. PROVIDE CONNECTION TO DURESS AND SECURITY SYSTEM TO ENABLE COILING GRILL TO GO DOWN UPON ACTIVATION OF DURESS BUTTON OR SECURITY SYSTEM ALARM. PROVIDE ALL NECESSARY WIRING AND CONTROLS.
2. NEW SECURITY VIDEO MONITORING STATION. CIRCUIT TO EXISTING SPARE BREAKER AS NOTED.
3. EXIT SIGN TO CONNECT TO ADJACENT UN-SWITCHED LIGHTING CIRCUIT.
4. EXISTING COILING GRILL PUSHBUTTON CONTROLLER FOR MANUAL RAISING AND LOWERING OF COILING GRILL AT RECEPTION COUNTER. AUTOMATIC CLOSING TO BE PER NOTE 1.
5. EXISTING LENEL SECURITY PANELS FOR CONTROLS TO ALL NEW SECURITY DEVICES SHOWN.
6. EXISTING DURESS BUTTON AND MONITORING STATION.
7. CIRCUIT TO EXISTING DURESS BUTTON SO EITHER BUTTON WILL ACTIVATE THE SECURITY LOCKDOWN SYSTEM.



1 ENLARGED ELECTRICAL PLAN
1/4" = 1'-0"

BR Engineering
Consulting Electrical Engineers
(907) 529-6565
191 E. Swanson Ave., Suite 103
Wasilla, AK 99654
AK LLC Authorization #136403

Wolf Architecture

STATE OF ALASKA 49TH
BRIAN J. RIGGAN
Oct 11, 2023
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PROFESSIONAL ENGINEER

MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
ADMINISTRATION BUILDING
SECURITY UPGRADES
PALMER, ALASKA

Drawn	Date
BJR	10.11.2023
Checked	Job No.
BJR	23BR-23

Sheet Contents
ENLARGED ELECTRICAL PLAN

CONSTRUCTION DOCUMENTS FULL SIZE 22x34 HALF SIZE 11x17

Category	Sheet
E2	1

BID #B24-03

Matanuska-Susitna Borough School District
School Calendar
2023 - 2024

S	M	T	W	T	F	S

JULY

						1
2	3	**H**	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

AUGUST

		1	2	3	4	5
6	7	8	9	**WD**	**PL**	12
13	**WD**	**SO**	16	17	18	19
20	21	**PK/K**	23	24	25	26
27	28	29	30	31		

SEPTEMBER

					1	2
3	**H**	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

OCTOBER

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	**Q1**	**PC**	**PL**	21
22	23	24	25	26	27	28
29	30	31				

NOVEMBER

			PL	**PL**	**PL**	4
5	6	7	8	9	**V**	11
12	13	14	15	16	17	18
19	20	21	22	**H**	**H**	25
26	27	28	29	30		

DECEMBER

					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	**Q2**	**WD**	23
24	**H**	**V**	**V**	**V**	**V**	30
31						

August

10	Work Day for Teachers (WD)*
11	Professional Learning Day (PL)*
14	Work Day for Teachers (WD)*
15	School Opens for 1-12 (SO)
22	First Day for Preschool/Kindergarten

September

4	Labor Day Holiday (H)*

October

18	Quarter 1 Ends (46 Days)
19	**Parent Conference Day (PC)***
20	Professional Learning Day (PL)*

November

1-3	Professional Learning Day (PL)*
10	**Veterans Day (V)***
23-24	Thanksgiving Holiday (H)*

December

21	Quarter 2 Ends (38 Days)
22	Work Day for Teachers (WD)*
25	Christmas Holiday (H)*
26-29	**Winter Vacation (V)***

January

1	New Years Day (H)*
2-5	**Winter Vacation (V)***
15	Martin Luther King Jr. Day (H)*

February

19	**Parent Conference Day (PC)***

March

6	Quarter 3 Ends (41 Days)
7	Work Day for Teachers (WD)*
8-18	**Spring Vacation (V)***

April

26	Professional Learning Day (PL)*

May

23	School Closes/Quarter 4 Ends (47 Days)
24	Work Day for Teachers (WD)*

*Indicates no school for students

S	M	T	W	T	F	S

JANUARY

	H	**V**	**V**	**V**	**V**	6
7	8	9	10	11	12	13
14	**H**	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY

				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	**PC**	20	21	22	23	24
25	26	27	28	29		

MARCH

					1	2
3	4	5	**Q3**	**WD**	**V**	9
10	**V**	**V**	**V**	**V**	**V**	16
17	**V**	19	20	21	22	23
24	25	26	27	28	29	30
31						

APRIL

	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	**PL**	27
28	29	30				

MAY

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	**SC**	**WD**	25
26	**H**	28	29	30	31	

JUNE

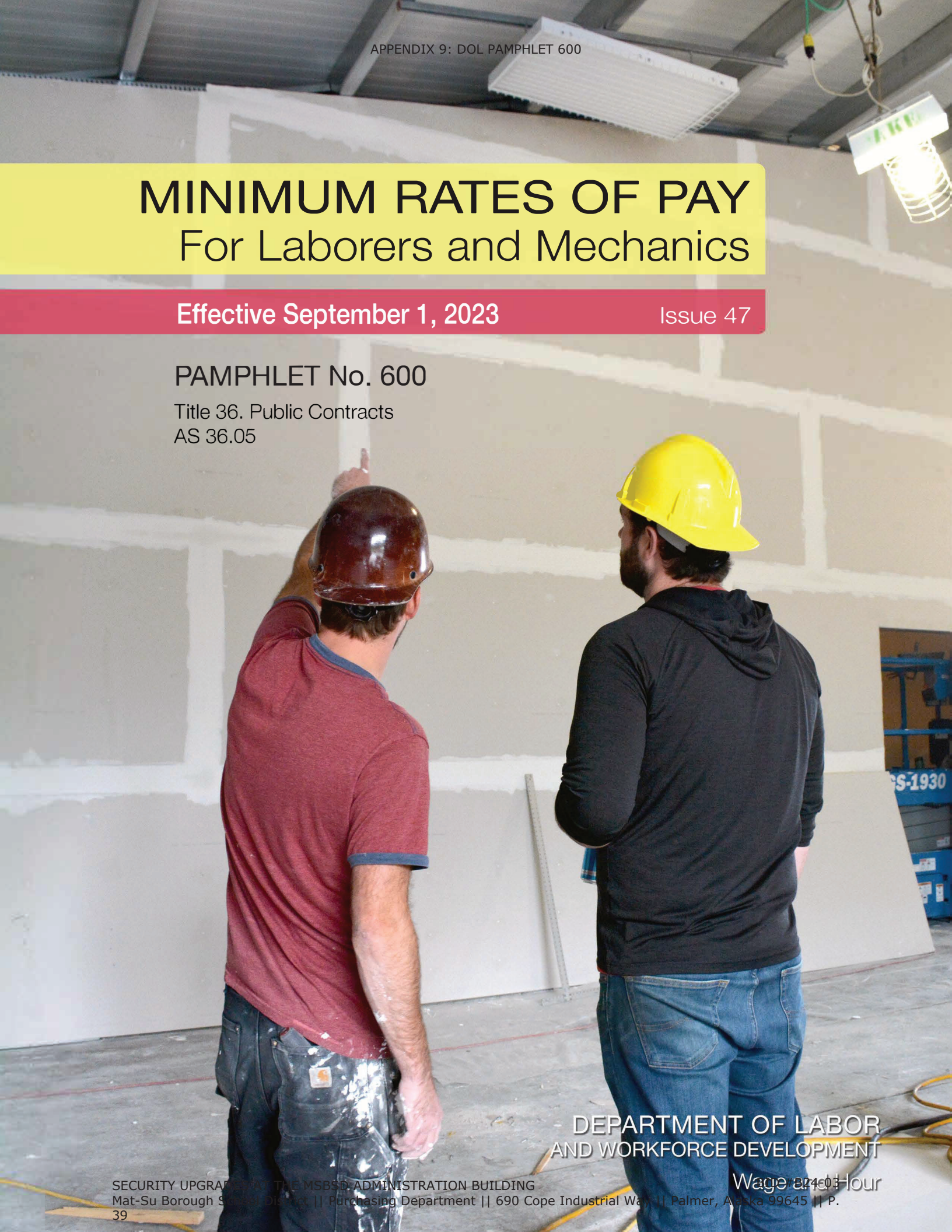
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23	24	25	26	27	28	29
30						

MINIMUM RATES OF PAY
For Laborers and Mechanics

Effective September 1, 2023 Issue 47

PAMPHLET No. 600

Title 36. Public Contracts
AS 36.05



DEPARTMENT OF LABOR
AND WORKFORCE DEVELOPMENT

Wage and Hour

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THE STATE of ALASKA
GOVERNOR MIKE DUNLEAVY

Department of Labor and Workforce Development

Office of the Commissioner

Post Office Box 111149
Juneau, Alaska 99811
Main: 907.465.2700
fax: 907.465-2784

September 1, 2023

TO ALL CONTRACTING AGENCIES:

At the Alaska Department of Labor and Workforce Development our goal is putting Alaskans to work. This pamphlet is designed to help contractors awarded public construction contracts understand the most significant laws of the State of Alaska pertaining to prevailing wage.

This pamphlet identifies current prevailing wage rates for public construction contracts (any construction projects awarded for the State of Alaska or its political subdivisions, such as local governments and certain non-profit organizations). Because these rates may change in a subsequent determination, please be sure you are using the appropriate rates. The rates published in this edition become effective September 1, 2023.

The prevailing wage rates contained in this pamphlet are applicable to public construction projects with a final bid date of September 11, 2023, or later. As the law now provides, these rates will remain stable during the life of a contract or for 24 calendar months, whichever is shorter. **The 24-month period begins on the date the prime contract is awarded.** Upon expiration of the initial 24-month period, the latest wage rates issued by the department shall become effective for a subsequent 24-month period or until the original contract is completed, whichever occurs first. This process shall be repeated until the original contract is completed.

The term "original contract" means the signed contract that resulted from the original bid and any amendments, including changes of work scope, additions, extensions, change orders, and other instruments agreed to by the parties that have not been subject to subsequent open bid procedures.

If a higher federal rate is required due to partial federal funding or other federal participation, the higher rate must be paid.

For additional copies of this pamphlet go to: http://labor.state.ak.us/lss/pamp600.htm

For questions regarding prevailing wage or employment preference requirements, please contact the nearest Wage and Hour office. These offices are listed on Page x.

Sincerely,

Catherine Muñoz
Acting Commissioner

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Note to Readers: The statutes and administrative regulations listed in this publication were taken from the official codes, as of the effective date of the publication. However, there may be errors or omissions that have not been identified and changes that occurred after the publication was printed. This publication is intended as an informational guide only and is not intended to serve as a precise statement of the statutes and regulations of the State of Alaska. To be certain of current laws and regulations, please refer to the official codes.

EXCERPTS FROM ALASKA LAW

Sec. 36.05.005. Applicability.
This chapter applies only to a public construction contract that exceeds $25,000.

Sec. 36.05.010. Wage rates on public construction.
A contractor or subcontractor who performs work on a public construction contract in the state shall pay not less than the current prevailing rate of wages for work of a similar nature in the region in which the work is done. The current prevailing rate of wages is that contained in the latest determination of prevailing rate of wages issued by the Department of Labor and Workforce Development at least 10 days before the final date for submission of bids for the contract. The rate shall remain in effect for the life of the contract or for 24 calendar months, whichever is shorter. At the end of the initial 24-month period, if new wage determinations have been issued by the department, the latest wage determination shall become effective for the next 24-month period or until the contract is completed, whichever occurs first. This process shall be repeated until the contract is completed.

Sec. 36.05.040. Filing schedule of employees, wages paid, and other information.
All contractors or subcontractors who perform work on a public construction contract for the state or for a political subdivision of the state shall, before the Friday of every second week, file with the Department of Labor and Workforce Development a sworn affidavit for the previous reporting period, setting out in detail the number of persons employed, wages paid, job classification of each employee, hours worked each day and week, and other information on a form provided by the Department of Labor and Workforce Development.

Sec. 36.05.045. Notice of work and completion; withholding of payment.

(a) Before commencing work on a public construction contract, the person entering into the contract with a contracting agency shall designate a primary contractor for purposes of this section. Before work commences, the primary contractor shall file a notice of work with the Department of Labor and Workforce Development. The notice of work must list work to be performed under the public construction contract by each contractor who will perform any portion of work on the contract and the contract price being paid to each contractor. The primary contractor shall pay all filing fees for each contractor performing work on the contract, including a filing fee based on the contract price being paid for work performed by the primary contractor's employees. The filing fee payable shall be the sum of all fees calculated for each contractor. The filing fee shall be one percent of each contractor's contract price. The total filing fee payable by the primary contractor under this subsection may not exceed $5,000. In this subsection, "contractor" means an employer who is using employees to perform work on the public construction contract under the contract or a subcontract.

(b) Upon completion of all work on the public construction contract, the primary contractor shall file with the Department of Labor and Workforce Development a notice of completion together with payment of any additional filing fees owed due to increased contract amounts. Within 30 days after the department's receipt of the primary contractor's notice of completion, the department shall inform the contracting agency of the amount, if any, to be withheld from the final payment.

(c) A contracting agency

(1) may release final payment of a public construction contract to the extent that the agency has received verification from the Department of Labor and Workforce Development that

(A) the primary contractor has complied with (a) and (b) of this section;

(B) the Department of Labor and Workforce Development is not conducting an investigation under this title; and

(C) the Department of Labor and Workforce Development has not issued a notice of a violation of this chapter to the primary contractor or any other contractors working on the public construction contract; and

(2) shall withhold from the final payment an amount sufficient to pay the department's estimate of what may be needed to compensate the employees of any contractors under investigation on this construction contract, and any unpaid filing fees.

(d) The notice and filing fee required under (a) of this section may be filed after work has begun if
   (1) The public construction contract is for work undertaken in immediate response to an emergency; and
   (2) The notice and fees are filed not later than 14 days after the work has begun.

(e) A false statement made on a notice required by this section is punishable under AS 11.56.210.

Sec. 36.05.060. Penalty for violation of this chapter.

A contractor who violates this chapter is guilty of a misdemeanor and upon conviction is punishable by a fine of not less than $100 nor more than $1,000, or by imprisonment for not less than 10 days nor more than 90 days, or by both. Each day a violation exists constitutes a separate offense.

Sec. 36.05.070. Wage rates in specifications and contracts for public works.

(a) The advertised specifications for a public construction contract that requires or involves the employment of mechanics, laborers, or field surveyors must contain a provision stating the minimum wages to be paid various classes of laborers, mechanics, or field surveyors and that the rate of wages shall be adjusted to the wage rate under AS 36.05.010.

(b) Repealed by §17 ch 142 SLA 1972.

(c) A public construction contract under (a) of this section must contain provisions that
   (1) the contractor or subcontractors of the contractor shall pay all employees unconditionally and not less than once a week;
   (2) wages may not be less than those stated in the advertised specifications, regardless of the contractual relationship between the contractor or subcontractors and laborers, mechanics, or field surveyors;
   (3) the scale of wages to be paid shall be posted by the contractor in a prominent and easily accessible place at the site of the work;
   (4) the state or a political subdivision shall withhold so much of the accrued payments as is necessary to pay to laborers, mechanics, or field surveyors employed by the contractor or subcontractors the difference between
      (A) the rates of wages required by the contract to be paid laborers, mechanics, or field surveyors on the work; and
      (B) the rates of wages in fact received by laborers, mechanics, or field surveyors.

Sec. 36.05.080. Failure to pay agreed wages.

Every contract within the scope of AS 36.05.070 shall contain a provision that if it is found that a laborer, mechanic, or field surveyor employed by the contractor or subcontractor has been or is being paid a rate of wages less than the rate of wages required by the contract to be paid, the state or its political subdivision may, by written notice to the contractor, terminate the contractor's right to proceed with the work or the part of the work for which there is a failure to pay the required wages and to prosecute the work to completion by contract or otherwise, and the contractor and the contractor's sureties are liable to the state or its political subdivision for excess costs for completing the work.

Sec. 36.05.090. Payment of wages from withheld payments and listing contractors who violate contracts.

(a) The state disbursing officer in the case of a state public construction contract and the local fiscal officer in the case of a political subdivision public construction contract shall pay directly to laborers, mechanics, or field surveyors from accrued payments withheld under the terms of the contract the wages due laborers, mechanics, or field surveyors under AS 36.05.070.

(b) The state disbursing officer or the local fiscal officer shall distribute to all departments of the state government and to all political subdivisions of the state a list giving the names of persons who have disregarded their obligations to employees. A person appearing on this list and a firm, corporation, partnership, or association in which the person has an interest may not work as a contractor or

subcontractor on a public construction contract for the state or a political subdivision of the state until three years after the date of publication of the list. If the accrued payments withheld under the contract are insufficient to reimburse all the laborers, mechanics, or field surveyors with respect to whom there has been a failure to pay the wages required under AS 36.05.070, the laborers, mechanics, or field surveyors have the right of action or intervention or both against the contractor and the contractor's sureties conferred by law upon persons furnishing labor or materials, and in the proceedings it is not a defense that the laborers, mechanics, or field surveyors accepted or agreed to accept less than the required rate of wages or voluntarily made refunds.

Sec. 36.05.900. Definition.
In this chapter, "contracting agency" means the state or a political subdivision of the state that has entered into a public construction contract with a contractor.

EXCERPTS FROM ALASKA ADMINISTRATIVE CODE

Notice:** Regulations relating to board and lodging and per diem went into effect on November 25, 2018. The new regulations are excerpted here

8 AAC 30.051. Purpose. The purpose of 8 AAC 30.052 – 8 AAC 30.056 is to ensure that wages paid to laborers, mechanics, and field surveyors do not fall below the prevailing rate of pay.

8 AAC 30.052. Board and lodging; remote sites. (a) A contractor on a public construction project located 65 or more road miles from the international airport closest to the project area in either Fairbanks, Juneau, or Anchorage, or that is inaccessible by road in a two-wheel drive vehicle, shall provide adequate board and lodging to each laborer, mechanic, or field surveyor while the person is employed on the project. If commercial lodging facilities are not available, the contractor shall provide temporary lodging facilities. Lodging facilities must comply with all applicable state and federal laws. For a highway project, the location of the project is measured from the midpoint of the project.

(b) A contractor is not required to provide board and lodging:

(1) to a laborer, mechanic, or field surveyor who is a domiciled resident of the project area; or

(2) on a laborer, mechanic, or field surveyor's scheduled days off, when the person can reasonably travel between the project and the person's permanent residence; for the purposes of this paragraph, "scheduled day off" means a day in which a person does not perform work on-site, is not required to remain at or near the job location for the benefit of the contractor, and is informed of the day off at least seven days before the day off.

(c) Upon a contractor's written request, the commissioner may waive the requirements of (a) of this section where:

(1) the project is inaccessible by road in a two-wheel drive vehicle, but the laborer, mechanic, or field surveyor can reasonably travel between the project and the person's permanent residence within one hour; or

(2) a laborer, mechanic, or field surveyor is not a domiciled resident of the project area, but has established permanent residence, with the intent to remain indefinitely, within 65 road miles of the project, or for a highway project, the mid-point of the project.

8 AAC 30.054. Per diem instead of board and lodging. (a) A contractor may pay a laborer, mechanic, or field surveyor per diem instead of providing board and lodging, when the following conditions are met:

(1) the department determines that per diem instead of board and lodging is an established practice for the work classification; the department shall publish and periodically revise its determinations in the pamphlet *Laborers and Mechanics Minimum Rates of Pay*;

(2) the contractor pays each laborer, mechanic, or field surveyor the appropriate per diem rate as published and periodically revised in the pamphlet *Laborers and Mechanics Minimum Rates of Pay*; and

(3) the contractor pays the per diem to each laborer, mechanic, or field surveyor on the same day that wages are paid.

(b) A contractor may not pay per diem instead of board and lodging on a highway project located

(1) west of Livengood on the Elliot Highway, AK-2;

(2) on the Dalton Highway, AK-11;

(3) north of milepost 20 on the Taylor Highway, AK-5;

(4) east of Chicken on the Top of the World Highway; or

(5) south of Tetlin Junction to the Alaska-Canada border on the Alaska Highway, AK-2.

8 AAC 30.056. Alternative arrangement. Upon a contractor's written request, the commissioner may approve an alternative board and lodging or per diem arrangement, provided

(1) the arrangement does not reduce the laborer, mechanic, or field surveyor's wages below the prevailing wage rate; and

(2) the laborer, mechanic, or field surveyor voluntarily enters into and signs the written arrangement; a labor organization representing laborers, mechanics, or field surveyors may enter into the written agreement on their behalf.

8 AAC 30.900. General definitions (selected excerpts only):

In this chapter and in AS 36

(22) "domiciled resident" means a person living within 65 road miles of a public construction project, or in the case of a highway project, the mid-point of the project, for at least 12 consecutive months prior to the award of the public construction project;

(23) "employed on the project" means the time period from the date the laborer, mechanic, or field surveyor first reports on-site to the project through the final date the person reports on-site to the project.

ADDITIONAL INFORMATION

PER DIEM

Notice: New regulations relating to board and lodging and per diem went into effect on November 25, 2018. The regulations provide a comprehensive set of requirements for the provision of board and lodging or per diem for workers on remote projects. Please refer to Alaska Administrative Code 8 AAC Chapter 30 and read the chapter carefully.

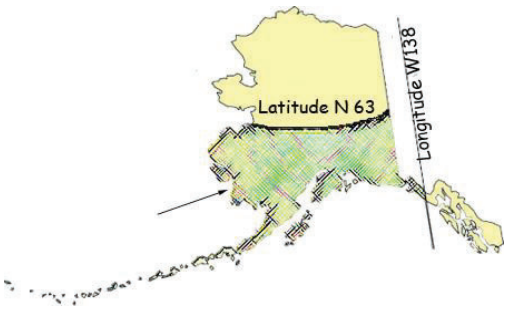
The Alaska Department of Labor and Workforce Development has determined that per diem is an established work practice for certain work classifications. These classifications are indicated throughout the Pamphlet by an asterisk (*) under the classification title. If all of the conditions of 8 AAC 30.054 are met, an employer may pay workers in these classifications per diem instead of providing board and lodging on a remote project.

Per Diem Rate: As of May 1st, 2019, the minimum per diem rate is $100.00 per day, or part thereof, the worker is employed on the project. In the event that a contractor provides lodging facilities, but no meals, the department will accept a payment of $48 per day for meals to meet the per diem requirements.

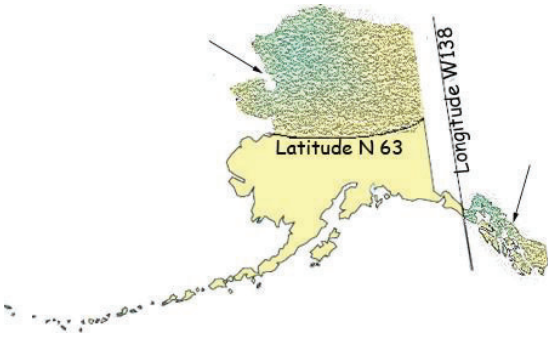
LABORER CLASSIFICATION CLARIFICATION

The laborer rates categorized in class code S1201-S1206 apply in one area of Alaska; the area that is south of N63 latitude and west of W138 Longitude. The laborer rates categorized in class code N1201-N1206 apply in two areas of Alaska; the Alaska areas north of N63 latitude and east of W138 longitude. The following graphic representations should assist with clarifying the applicable wage rate categories:

S1201-
S1206



N1201-
N1206



APPRENTICE RATES

Apprentice rates at less than the minimum prevailing rates may be paid to apprentices according to an apprentice program which has been registered and approved by the Commissioner of the Alaska Department of Labor and Workforce Development in writing or according to a bona fide apprenticeship program registered with the U.S. Department of Labor, Office of Apprenticeship Training. **Any employee listed on a payroll at an apprentice wage rate who is not registered as above shall be paid the journeyman prevailing minimum wage in that work classification.** Wage rates are based on prevailing crew makeup practices in Alaska and apply to work performed regardless of either the quality of the work performed by the employee or the titles or classifications which may be assigned to individual employees.

FRINGE BENEFIT PLANS

Contractors/subcontractors may compensate fringe benefits to their employees in any one of three methods. The fringe benefits may be paid into a union trust fund, into an approved benefit plan, or paid directly on the paycheck as gross wages.

Where fringe benefits are paid into approved plans, funds, or programs including union trust funds, the payments must be contributed at least monthly. If contractors submit their own payroll forms and are paying fringe benefits into approved plans, funds, or programs, the employer's certification must include, in addition to those requirements of 8 AAC 30.020(c), a statement that fringe benefit payments have been or will be paid at least monthly. Contractors who pay fringe benefits to a plan must ensure the plan is one approved by the Internal Revenue Service and that the plan meets the requirements of 8 AAC 30.025 (eff. 3/2/08) in order for payments to be credited toward the prevailing wage obligation.

SPECIAL PREVAILING WAGE RATE DETERMINATION

Special prevailing wage rate determinations may be requested for special projects or a special worker classification if the work to be performed does not conform to traditional public construction for which a prevailing wage rate has been established under 8 AAC 30.050(a) of this section. Requests for special wage rate determinations must be in writing and filed with the Commissioner at least 30 days before the award of the contract. An applicant for a special wage rate determination shall have the responsibility to support the necessity for the special rate. An application for a special wage rate determination filed under this section must contain:

(1) a specification of the contract or project on which the special rates will apply and a description of the work to be performed;
(2) a brief narrative explaining why special wage rates are necessary;
(3) the job class or classes involved;
(4) the special wage rates the applicant is requesting, including survey or other relevant wage data to support the requested rates;
(5) the approximate number of employees who would be affected; and
(6) any other information which might be helpful in determining if special wage rates are appropriate.

Requests made pursuant to the above should be addressed to:

Director
Alaska Department of Labor and Workforce Development
Labor Standards and Safety Division
Wage and Hour
P.O. Box 111149
Juneau, AK 99811-1149
-or-
Email: statewide.wagehour@alaska.gov

EMPLOYMENT PREFERENCE INFORMATION

In October 2019, the Alaska Attorney General issued a formal opinion stating that the Alaska Statutes 36.10.150 of the State's 90% Employment Preference law, also known as the Alaska Resident Hire law, violates both the U.S. and Alaska Constitutions. As a result, the state has stopped all enforcement activity.
A copy of the Attorney General opinion is found here:

http://law.alaska.gov/pdf/opinions/opinions_2019/19-005_AK-hire.pdf

Alaska Department of Labor and Workforce Development
Labor Standards and Safety Division
Wage and Hour
Web site: http://labor.state.ak.us/lss/pamp600.htm

Anchorage	Juneau	Fairbanks
1251 Muldoon Road, Suite 113 Anchorage, Alaska 99504-2098 Phone: (907) 269-4900 Email: statewide.wagehour@alaska.gov	PO Box 111149 Juneau, Alaska 99811 Phone: (907) 465-4842 Email: statewide.wagehour@alaska.gov	Regional State Office Building 675 7th Ave., Station J-1 Fairbanks, Alaska 99701-4593 Phone: (907) 451-2886 Email: statewide.wagehour@alaska.gov

LABOR STANDARDS AND SAFETY NOTICE REQUESTS

If you would like to receive Wage and Hour or Mechanical Inspection **regulation notices** or **publications information**, they are available via electronic mail, by signing up in the GovDelivery System, https://public.govdelivery.com/accounts/AKDOL/subscriber/new and selecting topics *LSS – Wage and Hour – Forms and Publications*, *LSS – Mechanical Inspection Regulations*, or *LSS – Wage and Hour Regulations*.

Publications are also available online at http://labor.alaska.gov/lss/home.htm

DEBARMENT LIST

AS 36.05.090(b) states that "the state disbursing officer or the local fiscal officer shall distribute to all departments of the state government and to all political subdivisions of the state a list giving the names of persons who have disregarded their obligations to employees."

A person appearing on the following debarment list and a firm, corporation, partnership, or association in which the person has an interest may not work as a contractor or subcontractor on a public construction contract for the state or a political subdivision of the state for three years from the date of debarment.

Company Name	Debarment Expires

No companies are currently debarred.

Laborers' & Mechanics' Minimum Rates of Pay

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
Boilermakers	*See per diem note on last page							
						VAC	**SAF**	
A0101	Boilermaker (journeyman)	48.15	8.57	18.40	2.15	4.25	0.34	81.86
Bricklayers & Blocklayers	*See per diem note on last page							
						L&M		
A0201	Blocklayer	42.01	9.00	10.20	0.62	0.20		62.03
	Bricklayer Marble or Stone Mason Refractory Worker (Firebrick, Plastic, Castable, and Gunite Refractory Applications) Terrazzo Worker Tile Setter							
						L&M		
A0202	Tuck Pointer Caulker	42.01	9.00	10.20	0.62	0.20		62.03
	Cleaner (PCC)							
						L&M		
A0203	Marble & Tile Finisher	35.84	9.00	10.20	0.62	0.20		55.86
	Terrazzo Finisher							
						L&M		
A0204	Torginal Applicator	35.84	9.00	10.20	0.62	0.20		55.86
Carpenters, Region I (North of 63 latitude)	*See per diem note on last page							
						L&M	**SAF**	
N0301	Carpenter (journeyman)	44.39	10.35	15.82	1.75	0.20	0.20	72.71
	Lather/Drywall/Acoustical							
Carpenters, Region II (South of N63 latitude)	*See per diem note on last page							
						L&M	**SAF**	
S0301	Carpenter (journeyman)	44.39	10.35	16.36	1.75	0.20	0.20	73.25
	Lather/Drywall/Acoustical							
Cement Masons	*See per diem note on last page							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits	THR
Cement Masons	*See per diem note on last page						
						L&M	
A0401	Group I, including:	44.43	8.80	11.80	1.53	0.10	66.66
	Application of Sealing Compound						
	Application of Underlayment						
	Building, General						
	Cement Finisher						
	Cement Mason (journeyman)						
	Concrete						
	Concrete Paving						
	Concrete Polishing						
	Concrete Repair						
	Curb & Gutter, Sidewalk						
	Curing of All Concrete						
	General Concrete Pour Tender						
	Grouting & Caulking of Tilt-Up Panels						
	Grouting of All Plates						
	Patching Concrete						
	Screed Pin Setter						
	Screeder or Rodder						
	Spackling/Skim Coating						
						L&M	
A0402	Group II, including:	44.43	8.80	11.80	1.53	0.10	66.66
	Form Setter						
						L&M	
A0403	Group III, including:	44.43	8.80	11.80	1.53	0.10	66.66
	Concrete Saw Cutter Operator (All Control Joints and Self-powered)						
	Curb & Gutter Machine						
	Floor Grinder						
	Pneumatic Power Tools						
	Power Chipping & Bushing						
	Sand Blasting Architectural Finish						
	Screed & Rodding Machine Operator						
	Troweling Machine Operator (all concrete surfaces)						
						L&M	
A0404	Group IV, including:	44.43	8.80	11.80	1.53	0.10	66.66
	Acoustical or Imitation Acoustical Finish						
	Application of All Composition Mastic						
	Application of All Epoxy Material						
	Application of All Plastic Material						
	Finish Colored Concrete						
	Gunite Nozzleman						
	Hand Powered Grinder						

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits	THR
Cement Masons	*See per diem note on last page						
A0404	Group IV, including:	44.43	8.80	11.80	1.53	L&M 0.10	66.66
	Preparing, scratching and browsing of all ceilings and walls, finished with terrazo or tile						
	Tunnel Worker						
A0405	Group V, including:	44.43	8.80	11.80	1.53	L&M 0.10	66.66
	Casting and finishing						
	EIFS Systems						
	Finishing of all interior and exterior plastering						
	Fireproofing (Pryocrete, Cafco, Albi-Clad, sprayed fiberglass)						
	Gypsum, Portland Cement						
	Kindred material and products						
	Operation and control of all types of plastering machines, including power tools and floats, used by the industry						
	Overcoating and maintenance of interior/exterior plaster surfaces						
	Plasterer						
	Veneer plastering process (Rapid Plaster, U.S.G. "Imperial Systems", and Pabcoat Systems")						
	Venetian plaster and color-integrated Italian/Middle-Eastern line plaster						
Culinary Workers							
A0501	Baker/Cook	29.95	7.53	8.83		LEG	46.31
A0503	General Helper	25.92	7.53	8.83		LEG	42.28
	Housekeeper						
	Janitor						
	Kitchen Helper						
A0504	Head Cook	29.95	7.53	8.83		LEG	46.31
A0505	Head Housekeeper	26.20	7.53	8.83		LEG	42.56
	Head Kitchen Help						
Dredgemen	*See per diem note on last page						
A0601	Assistant Engineer	46.91	11.40	14.75	1.00	L&M 0.10	0.05 74.21
	Craneman						

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
Dredgemen	*See per diem note on last page							
A0601	Assistant Engineer	46.91	11.40	14.75	1.00	**L&M** 0.10	0.05	74.21
	Electrical Generator Operator (primary pump/power barge/dredge) Engineer Welder							
A0602	Assistant Mate (deckhand)	45.65	11.40	14.75	1.00	**L&M** 0.10	0.05	72.95
A0603	Fireman	46.13	11.40	14.75	1.00	**L&M** 0.10	0.05	73.43
A0605	Leverman Clamshell	49.64	11.40	14.75	1.00	**L&M** 0.10	0.05	76.94
A0606	Leverman Hydraulic	47.74	11.40	14.75	1.00	**L&M** 0.10	0.05	75.04
A0607	Mate & Boatman	46.91	11.40	14.75	1.00	**L&M** 0.10	0.05	74.21
A0608	Oiler (dredge)	46.13	11.40	14.75	1.00	**L&M** 0.10	0.05	73.43
Electricians	*See per diem note on last page							
A0701	Inside Cable Splicer	46.44	14.40	14.22	0.95	**L&M** 0.25	**LEG** 0.15	76.41
A0702	Inside Journeyman Wireman, including:	46.44	14.40	14.22	0.95	**L&M** 0.25	**LEG** 0.15	76.41
	Technicians (including use of drones in electrical construction)							
A0703	Power Cable Splicer	65.19	14.40	19.15	0.95	**L&M** 0.25	**LEG** 0.15	100.09
A0704	Tele Com Cable Splicer	52.53	14.40	17.98	0.95	**L&M** 0.25	**LEG** 0.15	86.26
A0705	Power Journeyman Lineman, including:	63.44	14.40	19.09	0.95	**L&M** 0.25	**LEG** 0.15	98.28
	Power Equipment Operator Technician (including use of drones in electrical construction)							
A0706	Tele Com Journeyman Lineman, including:	50.78	14.40	17.92	0.95	**L&M** 0.25	**LEG** 0.15	84.45
	Technician (including use of drones in telecommunications construction) Tele Com Equipment Operator							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
Electricians *See per diem note on last page								
A0707	Straight Line Installer - Repairman	50.78	14.40	17.92	0.95	**L&M** 0.25	**LEG** 0.15	84.45
A0708	Powderman	61.44	14.40	19.03	0.95	**L&M** 0.25	**LEG** 0.15	96.22
A0710	Material Handler	28.07	14.02	5.84	0.15	**L&M** 0.15	**LEG** 0.15	48.38
A0712	Tree Trimmer Groundman	31.78	14.40	14.30	0.15	**L&M** 0.15	**LEG** 0.15	60.93
A0713	Journeyman Tree Trimmer	40.71	14.40	14.57	0.15	**L&M** 0.15	**LEG** 0.15	70.13
A0714	Vegetation Control Sprayer	44.26	14.40	14.68	0.15	**L&M** 0.15	**LEG** 0.15	73.79
A0715	Inside Journeyman Communications CO/PBX	46.44	14.40	14.22	0.95	**L&M** 0.25	**LEG** 0.15	76.41
Elevator Workers *See per diem note on last page								
A0802	Elevator Constructor	46.08	16.07	20.56	0.70	**L&M** 1.00	**VAC** 5.11	89.52
A0803	Elevator Constructor Mechanic	65.83	16.07	20.56	0.70	**L&M** 1.00	**VAC** 7.30	111.46
Heat & Frost Insulators/Asbestos Workers *See per diem note on last page								
A0902	Asbestos Abatement-Mechanical Systems	41.35	9.24	11.12	1.50	**IAF** 0.14	**LML** 0.05	63.40
A0903	Asbestos Abatement/General Demolition All Systems	41.35	9.24	11.12	1.50	**IAF** 0.14	**LML** 0.05	63.40
A0904	Insulator, Group II	41.35	9.24	11.12	1.50	**IAF** 0.14	**LML** 0.05	63.40
A0905	Fire Stop	41.35	9.24	11.12	1.50	**IAF** 0.14	**LML** 0.05	63.40
IronWorkers *See per diem note on last page								
A1101	Ironworkers, including:	42.99	10.16	26.45	0.77	**L&M** 0.20	**IAF** 0.24	80.81

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Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
IronWorkers *See per diem note on last page								
						L&M	**IAF**	
A1101	Ironworkers, including:	42.99	10.16	26.45	0.77	0.20	0.24	80.81
	Bender Operators Bridge & Structural Hangar Doors Hollow Metal Doors Industrial Doors Machinery Mover Ornamental Reinforcing Rigger Sheeter Signalman Stage Rigger Toxic Haz-Mat Work Welder							
						L&M	**IAF**	
A1102	Helicopter	43.99	10.16	26.45	0.77	0.20	0.24	81.81
	Helicopter (used for rigging and setting) Tower (energy producing windmill type towers to include nacelle and blades)							
						L&M	**IAF**	
A1103	Fence/Barrier Installer	39.49	10.16	26.45	0.77	0.20	0.24	77.31
						L&M	**IAF**	
A1104	Guard Rail Layout Man	40.23	10.16	26.45	0.77	0.20	0.24	78.05
						L&M	**IAF**	
A1105	Guard Rail Installer	40.49	10.16	26.45	0.77	0.20	0.24	78.31
Laborers (The Alaska areas north of N63 latitude and east of W138 longitude) *See per diem note on last page								
						L&M	**LEG**	
N1201	Group I, including:	36.00	9.55	21.16	1.65	0.30	0.20	68.86
	Asphalt Worker (shovelman, plant crew) Brush Cutter Camp Maintenance Laborer Carpenter Tender or Helper Choke Setter, Hook Tender, Rigger, Signalman Concrete Labor (curb & gutter, chute handler, curing, grouting, screeding) Crusher Plant Laborer Demolition Laborer							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits	L&M	LEG	THR
Laborers (The Alaska areas north of N63 latitude and east of W138 longitude) *See per diem note on last page									
N1201	Group I, including:	36.00	9.55	21.16	1.65		0.30	0.20	68.86
	Ditch Digger								
	Dumpman								
	Environmental Laborer (hazard/toxic waste, oil spill)								
	Fence Installer								
	Fire Watch Laborer								
	Flagman								
	Form Stripper								
	General Laborer								
	Guardrail Laborer, Bridge Rail Installer								
	Hydro Seeder Nozzleman								
	Laborer, Building								
	Landscaper or Planter								
	Laying of Mortarless Decorative Block (retaining walls, flowered decorative block 4 feet or less - highway or landscape work)								
	Material Handler								
	Pneumatic or Power Tools								
	Portable or Chemical Toilet Serviceman								
	Pump Man or Mixer Man								
	Railroad Track Laborer								
	Sandblast, Pot Tender								
	Saw Tender								
	Slurry Work								
	Steam Cleaner Operator								
	Steam Point or Water Jet Operator								
	Storm Water Pollution Protection Plan Worker (SWPPP Worker - erosion and sediment control Laborer)								
	Tank Cleaning								
	Utiliwalk & Utilidor Laborer								
	Watchman (construction projects)								
	Window Cleaner								
N1202	Group II, including:	37.00	9.55	21.16	1.65		0.30	0.20	69.86
	Burning & Cutting Torch								
	Cement or Lime Dumper or Handler (sack or bulk)								
	Certified Erosion Sediment Control Lead (CESCL Laborer)								
	Choker Splicer								
	Chucktender (wagon, air-track & hydraulic drills)								
	Concrete Laborer (power buggy, concrete saws, pumpcrete nozzleman, vibratorman)								
	Culvert Pipe Laborer								
	Cured Inplace Pipelayer								

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
						L&M	LEG	
Laborers (The Alaska areas north of N63 latitude and east of W138 longitude) *See per diem note on last page								
N1202	Group II, including:	37.00	9.55	21.16	1.65	0.30	0.20	69.86
	Environmental Laborer (asbestos, marine work)							
	Floor Preparation, Core Drilling							
	Foam Gun or Foam Machine Operator							
	Green Cutter (dam work)							
	Gunite Operator							
	Hod Carrier							
	Jackhammer/Chipping Gun or Pavement Breaker							
	Laser Instrument Operator							
	Laying of Mortarless Decorative Block (retaining walls, flowered decorative block over 4 feet - highway or landscape work)							
	Mason Tender & Mud Mixer (sewer work)							
	Pilot Car							
	Pipelayer Helper							
	Plasterer, Bricklayer & Cement Finisher Tender							
	Powderman Helper							
	Power Saw Operator							
	Railroad Switch Layout Laborer							
	Sandblaster							
	Scaffold Building & Erecting							
	Sewer Caulker							
	Sewer Plant Maintenance Man							
	Thermal Plastic Applicator							
	Timber Faller, Chainsaw Operator, Filer							
	Timberman							
						L&M	LEG	
N1203	Group III, including:	37.90	9.55	21.16	1.65	0.30	0.20	70.76
	Bit Grinder							
	Camera/Tool/Video Operator							
	Guardrail Machine Operator							
	High Rigger & Tree Topper							
	High Scaler							
	Multiplate							
	Plastic Welding							
	Slurry Seal Squeegee Man							
	Traffic Control Supervisor							
	Welding Certified (in connection with laborer's work)							
						L&M	LEG	
N1204	Group IIIA	41.78	9.55	21.16	1.65	0.30	0.20	74.64
	Asphalt Raker, Asphalt Belly Dump Lay Down							
	Drill Doctor (in the field)							

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Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
						L&M	LEG	
Laborers (The Alaska areas north of N63 latitude and east of W138 longitude) *See per diem note on last page								
N1204	Group IIIA	41.78	9.55	21.16	1.65	0.30	0.20	74.64
	Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills) Pioneer Drilling & Drilling Off Tugger (all type drills) Pipelayers Powderman (Employee Possessor) Storm Water Pollution Protection Plan Specialist (SWPPP Specialist) Traffic Control Supervisor, DOT Qualified							
						L&M	LEG	
N1205	Group IV	25.57	9.55	21.16	1.65	0.30	0.20	58.43
	Final Building Cleanup Permanent Yard Worker							
						L&M	LEG	
N1206	Group IIIB	47.36	5.50	21.16	1.65	0.30	0.20	76.17
	Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)(over 5,000 hours) Federal Powderman (Responsible Person in Charge) Grade Checking (setting or transferring of grade marks, line and grade, GPS, drones) Pioneer Drilling & Drilling Off Tugger (all type drills)(over 5,000 hours) Stake Hopper							
Laborers (The area that is south of N63 latitude and west of W138 longitude) *See per diem note on last page								
						L&M	LEG	
S1201	Group I, including:	36.00	9.55	21.16	1.65	0.30	0.20	68.86
	Asphalt Worker (shovelman, plant crew) Brush Cutter Camp Maintenance Laborer Carpenter Tender or Helper Choke Setter, Hook Tender, Rigger, Signalman Concrete Labor (curb & gutter, chute handler, curing, grouting, screeding) Crusher Plant Laborer Demolition Laborer Ditch Digger Dumpman Environmental Laborer (hazard/toxic waste, oil spill) Fence Installer Fire Watch Laborer Flagman							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits	THR
	Laborers (The area that is south of N63 latitude and west of W138 longitude) *See per diem note on last page						
						L&M	**LEG**
S1201	Group I, including:	36.00	9.55	21.16	1.65	0.30	0.20	68.86

Form Stripper
General Laborer
Guardrail Laborer, Bridge Rail Installer
Hydro Seeder Nozzleman
Laborer, Building
Landscaper or Planter
Laying of Mortarless Decorative Block (retaining walls, flowered decorative block 4 feet or less - highway or landscape work)
Material Handler
Pneumatic or Power Tools
Portable or Chemical Toilet Serviceman
Pump Man or Mixer Man
Railroad Track Laborer
Sandblast, Pot Tender
Saw Tender
Slurry Work
Steam Cleaner Operator
Steam Point or Water Jet Operator
Storm Water Pollution Protection Plan Worker (SWPPP Worker - erosion and sediment control Laborer)
Tank Cleaning
Utiliwalk & Utilidor Laborer
Watchman (construction projects)
Window Cleaner

						L&M	**LEG**	
S1202	Group II, including:	37.00	9.55	21.16	1.65	0.30	0.20	69.86

Burning & Cutting Torch
Cement or Lime Dumper or Handler (sack or bulk)
Certified Erosion Sediment Control Lead (CESCL Laborer)
Choker Splicer
Chucktender (wagon, air-track & hydraulic drills)
Concrete Laborer (power buggy, concrete saws, pumpcrete nozzleman, vibratorman)
Culvert Pipe Laborer
Cured Inplace Pipelayer
Environmental Laborer (asbestos, marine work)
Floor Preparation, Core Drilling
Foam Gun or Foam Machine Operator
Green Cutter (dam work)
Gunite Operator
Hod Carrier

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
	Laborers (The area that is south of N63 latitude and west of W138 longitude) *See per diem note on last page							
						L&M	**LEG**	
S1202	Group II, including:	37.00	9.55	21.16	1.65	0.30	0.20	69.86
	Jackhammer/Chipping Gun or Pavement Breaker							
	Laser Instrument Operator							
	Laying of Mortarless Decorative Block (retaining walls, flowered decorative block over 4 feet - highway or landscape work)							
	Mason Tender & Mud Mixer (sewer work)							
	Pilot Car							
	Pipelayer Helper							
	Plasterer, Bricklayer & Cement Finisher Tender							
	Powderman Helper							
	Power Saw Operator							
	Railroad Switch Layout Laborer							
	Sandblaster							
	Scaffold Building & Erecting							
	Sewer Caulker							
	Sewer Plant Maintenance Man							
	Thermal Plastic Applicator							
	Timber Faller, Chainsaw Operator, Filer							
	Timberman							
						L&M	**LEG**	
S1203	Group III, including:	37.90	9.55	21.16	1.65	0.30	0.20	70.76
	Bit Grinder							
	Camera/Tool/Video Operator							
	Guardrail Machine Operator							
	High Rigger & Tree Topper							
	High Scaler							
	Multiplate							
	Plastic Welding							
	Slurry Seal Squeegee Man							
	Traffic Control Supervisor							
	Welding Certified (in connection with laborer's work)							
						L&M	**LEG**	
S1204	Group IIIA	41.78	9.55	21.16	1.65	0.30	0.20	74.64
	Asphalt Raker, Asphalt Belly Dump Lay Down							
	Drill Doctor (in the field)							
	Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)							
	Pioneer Drilling & Drilling Off Tugger (all type drills)							
	Pipelayers							
	Powderman (Employee Possessor)							
	Storm Water Pollution Protection Plan Specialist (SWPPP Specialist)							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
Laborers (The area that is south of N63 latitude and west of W138 longitude) *See per diem note on last page								
						L&M	**LEG**	
S1204	Group IIIA	41.78	9.55	21.16	1.65	0.30	0.20	74.64
	Traffic Control Supervisor, DOT Qualified							
						L&M	**LEG**	
S1205	Group IV	25.57	9.55	21.16	1.65	0.30	0.20	58.43
	Final Building Cleanup Permanent Yard Worker							
						L&M	**LEG**	
S1206	Group IIIB	47.36	5.50	21.16	1.65	0.30	0.20	76.17
	Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)(over 5,000 hours) Federal Powderman (Responsible Person in Charge) Grade Checking (setting or transferring of grade marks, line and grade, GPS, drones) Pioneer Drilling & Drilling Off Tugger (all type drills)(over 5,000 hours) Stake Hopper							
Millwrights *See per diem note on last page								
						L&M		
A1251	Millwright (journeyman)	51.38	10.35	12.87	1.10	0.40	0.05	76.15
						L&M		
A1252	Millwright Welder	52.38	10.35	12.87	1.10	0.40	0.05	77.15
Painters, Region I (North of N63 latitude) *See per diem note on last page								
						L&M		
N1301	Group I, including:	37.83	9.77	15.10	1.08	0.07		63.85
	Brush General Painter Hand Taping Hazardous Material Handler Lead-Based Paint Abatement Roll							
						L&M		
N1302	Group II, including:	38.35	9.77	15.10	1.08	0.07		64.37
	Bridge Painter Epoxy Applicator General Drywall Finisher Hand/Spray Texturing Industrial Coatings Specialist							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits	THR
Painters, Region I (North of N63 latitude) *See per diem note on last page							
						L&M	
N1302	Group II, including:	38.35	9.77	15.10	1.08	0.07	64.37
	Machine/Automatic Taping						
	Pot Tender						
	Sandblasting						
	Specialty Painter						
	Spray						
	Structural Steel Painter						
	Wallpaper/Vinyl Hanger						
N1304	Group IV, including:	42.24	9.77	18.21	1.05	0.05	71.32
	Glazier						
	Storefront/Automatic Door Mechanic						
N1305	Group V, including:	39.86	9.77	5.00	1.10	0.10	55.83
	Carpet Installer						
	Floor Coverer						
	Heat Weld/Cove Base						
	Linoleum/Soft Tile Installer						
N1306	Group VI, including:	70.00	10.79	5.00	1.10	0.10	86.99
	Traffic Control Striper						
Painters, Region II (South of N63 latitude) *See per diem note on last page							
						L&M	
S1301	Group I, including :	34.47	9.77	16.45	1.08	0.07	61.84
	Brush						
	General Painter						
	Hand Taping						
	Hazardous Material Handler						
	Lead-Based Paint Abatement						
	Roll						
	Spray						
						L&M	
S1302	Group II, including :	35.72	9.77	16.45	1.08	0.07	63.09
	General Drywall Finisher						
	Hand/Spray Texturing						
	Machine/Automatic Taping						
	Wallpaper/Vinyl Hanger						

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits	THR
Painters, Region II (South of N63 latitude) *See per diem note on last page							
						L&M	
S1303	Group III, including :	35.72	9.77	16.45	1.08	0.07	63.09
	Bridge Painter Epoxy Applicator Industrial Coatings Specialist Pot Tender Sandblasting Specialty Painter Structural Steel Painter						
						L&M	
S1304	Group IV, including:	42.45	9.77	17.25	1.08	0.07	70.62
	Glazier Storefront/Automatic Door Mechanic						
						L&M	
S1305	Group V, including:	39.86	9.77	5.00	1.10	0.10	55.83
	Carpet Installer Floor Coverer Heat Weld/Cove Base Linoleum/Soft Tile Installer						
S1306	Group VI, including:	70.00	10.79	5.00	1.10	0.10	86.99
	Traffic Control Striper						
Piledrivers *See per diem note on last page							
						L&M	**IAF**
A1401	Piledriver	44.39	10.35	15.82	1.75	0.20	0.20	72.71
	Assistant Dive Tender Carpenter/Piledriver Rigger Sheet Stabber Skiff Operator						
						L&M	**IAF**
A1402	Piledriver-Welder/Toxic Worker	45.39	10.35	15.82	1.75	0.20	0.20	73.71
						L&M	**IAF**
A1403	Remotely Operated Vehicle Pilot/Technician	48.70	10.35	15.82	1.75	0.20	0.20	77.02
	Single Atmosphere Suit, Bell or Submersible Pilot						
						L&M	**IAF**
A1404	Diver (working) **See note on last page	88.50	10.35	15.82	1.75	0.20	0.20	116.82

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Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
Piledrivers								
	*See per diem note on last page							
						L&M	**IAF**	
A1405	Diver (standby) **See note on last page	48.70	10.35	15.82	1.75	0.20	0.20	77.02
						L&M	**IAF**	
A1406	Dive Tender **See note on last page	47.70	10.35	15.82	1.75	0.20	0.20	76.02
						L&M	**IAF**	
A1407	Welder (American Welding Society, Certified Welding Inspector)	49.95	10.35	15.82	1.75	0.20	0.20	78.27
Plumbers, Region I (North of N63 latitude)								
	*See per diem note on last page							
						L&M	**S&L**	
N1501	Journeyman Pipefitter	46.86	12.00	18.20	1.75	1.20		80.01
	Plumber							
	Welder							
Plumbers, Region II (South of N63 latitude)								
	*See per diem note on last page							
						L&M		
S1501	Journeyman Pipefitter	41.00	12.38	15.27	1.55	0.20		70.40
	Plumber							
	Welder							
Plumbers, Region IIA (1st Judicial District)								
	*See per diem note on last page							
						L&M		
X1501	Journeyman Pipefitter	43.50	14.17	11.75	2.95	0.24		72.61
	Plumber							
	Welder							
Power Equipment Operators								
	*See per diem note on last page							
						L&M		
A1601	Group I, including:	47.74	11.40	14.75	1.00	0.10	0.05	75.04
	Asphalt Roller: Breakdown, Intermediate, and Finish							
	Back Filler							
	Barrier Machine (Zipper)							
	Beltcrete with Power Pack & similar conveyors							
	Bending Machine							
	Boat Coxswain							
	Bulldozer							
	Cableways, Highlines & Cablecars							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits	L&M	THR
Power Equipment Operators *See per diem note on last page								
A1601	Group I, including:	47.74	11.40	14.75	1.00	0.10	0.05	75.04

Cleaning Machine
Coating Machine
Concrete Hydro Blaster
Cranes (45 tons & under or 150 feet of boom & under (including jib & attachments))
(a) Hydralifts or Transporters, (all track or truck type)
(b) Derricks
(c) Overhead
Crushers
Deck Winches, Double Drum
Ditching or Trenching Machine (16 inch or over)
Drag Scraper, Yarder, and similar types
Drilling Machines, Core, Cable, Rotary and Exploration
Finishing Machine Operator, Concrete Paving, Laser Screed, Sidewalk, Curb & Gutter Machine
Grade Checker and/or Line and Grade including Drone
Helicopters
Hover Craft, Flex Craft, Loadmaster, Air Cushion, All-Terrain Vehicle, Rollagon, Bargecable, Nodwell, & Snow Cat
Hydro Ax, Feller Buncher & similar
Hydro Excavation (Vac-Truck and Similar)
Loaders (2 1/2 yards through 5 yards, including all attachments):
(a) Forklifts (with telescopic boom & swing attachment)
(b) Front End & Overhead, (2-1/2 yards through 5 yards)
(c) Loaders, (with forks or pipe clamp)
(d) Loaders, (elevating belt type, Euclid & similar types)
Material Transfer Vehicle (Elevating Grader, Pickup Machine, and similar types)
Mechanic, Welder, Bodyman, Electrical, Camp & Maintenance Engineer
Micro Tunneling Machine
Mixers: Mobile type with hoist combination
Motor Patrol Grader
Mucking Machine: Mole, Tunnel Drill, Horizontal/Directional Drill Operator and/or Shield
Off-Road Hauler (including Articulating and Haul Trucks)
Operator on Dredges
Piledriver Engineer, L.B. Foster, Puller or similar paving breaker
Plant Operator (Asphalt & Concrete)
Power Plant, Turbine Operator 200 k.w & over (power plants or combination of power units over 300 k.w.)
Remote Controlled Equipment
Scraper (through 40 yards)

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
Power Equipment Operators *See per diem note on last page								
						L&M		
A1601	Group I, including:	47.74	11.40	14.75	1.00	0.10	0.05	75.04
	Service Oiler/Service Engineer Shot Blast Machine Shovels, Backhoes, Excavators with all attachments, and Gradealls (3 yards & under) Sideboom (under 45 tons) Sub Grader (Gurries & similar types) Tack Tractor Truck Mounted Concrete Pump, Conveyor/Tele-belt, & Creter Wate Kote Machine							
						L&M		
A1602	Group IA, including:	49.64	11.40	14.75	1.00	0.10	0.05	76.94
	Camera/Tool/Video Operator (Slipline) Certified Welder, Electrical Mechanic, Camp Maintenance Engineer, Mechanic (over 10,000 hours) Cranes (over 45 tons or 150 feet including jib & attachments) (a) Clamshells & Draglines (over 3 yards) (b) Tower Cranes Licensed Water/Waste Water Treatment Operator Loaders (over 5 yards) Motor Patrol Grader, Dozer, Grade Tractor (finish: when finishing to final grade and/or to hubs, or for asphalt) Power Plants (1000 k.w. & over) Profiler, Reclaimer, and Roto-Mill Quad Scrapers (over 40 yards) Screed Shovels, Backhoes, Excavators with all attachments (over 3 yards) Sidebooms (over 45 tons) Slip Form Paver, C.M.I. & similar types Topside (Asphalt Paver, Slurry machine, Spreaders, and similar types)							
						L&M		
A1603	Group II, including:	46.91	11.40	14.75	1.00	0.10	0.05	74.21
	Boiler - Fireman Cement Hogs & Concrete Pump Operator Conveyors (except those listed in Group I) Hoists on Steel Erection, Towermobiles & Air Tuggers Horizontal/Directional Drill Locator Locomotives, Rod & Geared Engines Mixers Screening, Washing Plant							

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Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
Power Equipment Operators *See per diem note on last page								
						L&M		
A1603	Group II, including:	46.91	11.40	14.75	1.00	0.10	0.05	74.21
	Sideboom (cradling rock drill, regardless of size) Skidder Trenching Machines (under 16 inches) Water/Waste Water Treatment Operator							
						L&M		
A1604	Group III, including:	46.13	11.40	14.75	1.00	0.10	0.05	73.43
	"A" Frame Trucks, Deck Winches Bombardier (tack or tow rig) Boring Machine Brooms, Power (sweeper, elevator, vacuum, or similar) Bump Cutter Compressor Farm Tractor Forklift, Industrial Type Gin Truck or Winch Truck (with poles when used for hoisting) Hoists, Air Tuggers, Elevators Loaders: (a) Elevating-Athey, Barber Greene & similar types (b) Forklifts or Lumber Carrier (on construction job sites) (c) Forklifts, (with tower) (d) Overhead & Front End, (under 2-l/2 yards) Locomotives: Dinkey (air, steam, gas & electric) Speeders Mechanics, Light Duty Oil, Blower Distribution Posthole Digger, Mechanical Pot Fireman (power agitated) Power Plant, Turbine Operator, (under 200 k.w.) Pumps, Water Roller (other than Asphalt) Saws, Concrete Skid Hustler Skid Steer (with all attachments) Stake Hopper Straightening Machine Tow Tractor							
						L&M		
A1605	Group IV, including:	39.42	11.40	14.75	1.00	0.10	0.05	66.72
	Crane Assistant Engineer/Rig Oiler Drill Helper Parts & Equipment Coordinator							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
Power Equipment Operators *See per diem note on last page								
						L&M		
A1605	Group IV, including:	39.42	11.40	14.75	1.00	0.10	0.05	66.72
	Spotter							
	Steam Cleaner							
	Swamper (on trenching machines or shovel type equipment)							
Roofers *See per diem note on last page								
						L&M		
A1701	Roofer & Waterproofer	47.62	13.75	3.91	0.81	0.10	0.06	66.25
						L&M		
A1702	Roofer Material Handler	34.23	13.75	3.91	0.81	0.10	0.06	52.86
Sheet Metal Workers, Region I (North of N63 latitude) *See per diem note on last page								
						L&M		
N1801	Sheet Metal Journeyman	51.93	12.55	15.86	1.80	0.12		82.26
	Air Balancing and duct cleaning of HVAC systems							
	Brazing, soldering or welding of metals							
	Demolition of sheet metal HVAC systems							
	Fabrication and installation of exterior wall sheathing, siding, metal roofing, flashing, decking and architectural sheet metal work							
	Fabrication and installation of heating, ventilation and air conditioning ducts and equipment							
	Fabrication and installation of louvers and hoods							
	Fabrication and installation of sheet metal lagging							
	Fabrication and installation of stainless steel commercial or industrial food service equipment							
	HVAC-R Service Mechanic, servicing and maintaining HVAC-R Systems							
	Manufacture, fabrication assembly, installation and alteration of all ferrous and nonferrous metal work							
	Metal lavatory partitions							
	Preparation of drawings taken from architectural and engineering plans required for fabrication and erection of sheet metal work							
	Sheet Metal shelving							
	Sheet Metal venting, chimneys and breaching							
	Skylight installation							
Sheet Metal Workers, Region II (South of N63 latitude) *See per diem note on last page								

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits	THR
Sheet Metal Workers, Region II (South of N63 latitude) *See per diem note on last page							
S1801	Sheet Metal Journeyman	47.05	12.55	14.90	2.01	L&M 0.43	76.94
	Air Balancing and duct cleaning of HVAC systems Brazing, soldering or welding of metals Demolition of sheet metal HVAC systems Fabrication and installation of exterior wall sheathing, siding, metal roofing, flashing, decking and architectural sheet metal work Fabrication and installation of heating, ventilation and air conditioning ducts and equipment Fabrication and installation of louvers and hoods Fabrication and installation of sheet metal lagging Fabrication and installation of stainless steel commercial or industrial food service equipment HVAC-R Service Mechanic, servicing and maintaining HVAC-R Systems Manufacture, fabrication assembly, installation and alteration of all ferrous and nonferrous metal work Metal lavatory partitions Preparation of drawings taken from architectural and engineering plans required for fabrication and erection of sheet metal work Sheet Metal shelving Sheet Metal venting, chimneys and breaching Skylight installation						
Sprinkler Fitters *See per diem note on last page							
A1901	Sprinkler Fitter	54.01	11.45	18.25	0.52	L&M 0.25	84.48
Surveyors *See per diem note on last page							
A2001	Chief of Parties	54.50	12.48	13.64	1.20	L&M 0.10	81.92
A2002	Party Chief	50.69	12.48	13.64	1.20	L&M 0.10	78.11
A2003	Line & Grade Technician/Office Technician/GPS, Drones	47.94	12.48	13.64	1.20	L&M 0.10	75.36
A2004	Associate Party Chief (including Instrument Person & Head Chain Person)/Stake Hop/Grademan	45.69	12.48	13.64	1.20	L&M 0.10	73.11

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits	THR
Surveyors	*See per diem note on last page						
						L&M	
A2006	Chain Person (for crews with more than 2 people)	41.09	12.48	13.64	1.20	0.10	68.51
Truck Drivers	*See per diem note on last page						
						L&M	
A2101	Group I, including:	46.84	12.48	13.64	1.20	0.10	74.26
	Air/Sea Traffic Controllers						
	Ambulance/Fire Truck Driver (EMT certified)						
	Boat Coxswain						
	Captains & Pilots (air & water)						
	Deltas, Commanders, Rollagons, & similar equipment (when pulling sleds, trailers or similar equipment)						
	Dump Trucks (including articulating end dumps, rockbuggy, side dump, belly dump, & trucks with pups) over 40 yards up to & including 60 yards						
	Fueler						
	Helicopter Transporter						
	Liquid Vac Truck/Super Vac Truck						
	Material Coordinator or Purchasing Agent						
	Oil Distributor Truck						
	Ready-mix (over 12 yards up to & including 15 yards) (over 15 yards to be negotiated)						
	Semi with Double Box Mixer						
	Tireman, Medium Duty (Truck Tires up to 1200-24")						
	Water Wagon (250 Bbls and above)						
						L&M	
A2102	Group 1A including:	48.19	12.48	13.64	1.20	0.10	75.61
	Dump Trucks (including rockbuggy, side dump, belly dump & trucks with pups) over 60 yards up to & including 100 yards (over 100 yards to be negotiated)						
	Jeeps (driver under load)						
	Lowboys, including tractor attached trailers & jeeps, up to & including 12 axles (over 12 axles or 150 tons to be negotiated)						
	Tireman Heavy Duty (earthmover tires, i.e., loader, scraper, haul truck)						
						L&M	
A2103	Group II, including:	45.51	12.48	13.64	1.20	0.10	72.93
	All Deltas, Commanders, Rollagons, & similar equipment						
	Batch Trucks (8 yards & up)						
	Batch Trucks (up to & including 7 yards)						
	Boom Truck/Knuckle Truck (over 5 tons)						
	Cacasco Truck/Heat Stress Truck						
	Construction and Material Safety Technician						

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits	THR
Truck Drivers *See per diem note on last page							
						L&M	
A2103	Group II, including:	45.51	12.48	13.64	1.20	0.10	72.93
	Dump Trucks (including articulating end dump, rockbuggy, side dump, belly dump, & trucks with pups) over 20 yards up to & including 40 yards						
	Gin Pole Truck, Winch Truck, Wrecker (truck mounted "A" frame manufactured rating over 5 tons)						
	Mechanics						
	Partsman						
	Ready-mix (up to & including 12 yards)						
	Stringing Truck						
	Turn-O-Wagon or DW-10 (not self loading)						
						L&M	
A2104	Group III, including:	44.64	12.48	13.64	1.20	0.10	72.06
	Boom Truck/Knuckle Truck (up to & including 5 tons)						
	Dump Trucks (including articulating end dump, rockbuggy, side dump, belly dump, & trucks with pups) over 10 yards up to & including 20 yards						
	Expeditor (electrical & pipefitting materials)						
	Gin Pole Truck, Winch Truck, Wrecker (truck mounted "A" frame manufactured rating 5 tons & under)						
	Greaser - Shop						
	Semi or Truck & Trailer						
	Thermal Plastic Layout Technician						
	Traffic Control Technician						
	Trucks/Jeeps (push or pull)						
						L&M	
A2105	Group IV, including:	44.02	12.48	13.64	1.20	0.10	71.44
	Air Cushion or similar type vehicle						
	All Terrain Vehicle						
	Buggymobile						
	Bull Lift & Fork Lift, Fork Lift with Power Boom & Swing Attachment (over 5 tons)						
	Bus Operator (over 30 passengers)						
	Cement Spreader, Dry						
	Combination Truck-Fuel & Grease						
	Compactor (when pulled by rubber tired equipment)						
	Dump Trucks (including rockbuggy, side dump, belly dump, & trucks with pups) up to & including 10 yards						
	Dumpster						
	Expeditor (general)						
	Fire Truck/Ambulance Driver						
	Flat Beds, Dual Rear Axle						
	Foam Distributor Truck Dual Axle						
	Front End Loader with Fork						

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits	THR
Truck Drivers *See per diem note on last page							
						L&M	
A2105	Group IV, including:	44.02	12.48	13.64	1.20	0.10	71.44
	Grease Truck Hydro Seeder, Dual Axle Hyster Operators (handling bulk aggregate) Loadmaster (air & water operations) Lumber Carrier Ready-mix, (up to & including 7 yards) Rigger (air/water/oilfield) Tireman, Light Duty Track Truck Equipment Truck Vacuum Sweeper Warehouseperson Water Truck (Below 250 Bbls) Water Truck (straight) Water Wagon, Semi						
						L&M	
A2106	Group V, including:	43.22	12.48	13.64	1.20	0.10	70.64
	Buffer Truck Bull Lifts & Fork Lifts, Fork Lifts with Power Boom & Swing Attachments (up to & including 5 tons) Bus Operator (up to 30 passengers) Farm Type Rubber Tired Tractor (when material handling or pulling wagons on a construction project) Flat Beds, Single Rear Axle Foam Distributor Truck Single Axle Fuel Handler (station/bulk attendant) Gear/Supply Truck Gravel Spreader Box Operator on Truck Hydro Seeder, Single Axle Pickups (pilot cars & all light-duty vehicles) Rigger Swamper Tack Truck (welders/gear) Team Drivers (horses, mules, & similar equipment)						
Tunnel Workers, Laborers (The Alaska areas north of N63 latitude and east of W138 longitude) *See per diem note on last page							
						L&M	**LEG**
N2201	Group I, including:	39.60	9.55	21.16	1.65	0.30	0.20	72.46
	Brakeman Mucker						

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
						L&M	LEG	
N2201	Group I, including:	39.60	9.55	21.16	1.65	0.30	0.20	72.46
	Nipper							
	Storm Water Pollution Protection Plan Worker (SWPPP Worker - erosion and sediment control Laborer)							
	Topman & Bull Gang							
	Tunnel Track Laborer							
						L&M	LEG	
N2202	Group II, including:	40.70	9.55	21.16	1.65	0.30	0.20	73.56
	Burning & Cutting Torch							
	Certified Erosion Sediment Control Lead (CESCL Laborer)							
	Concrete Laborer							
	Floor Preparation, Core Drilling							
	Jackhammer/Chipping Gun or Pavement Breaker							
	Laser Instrument Operator							
	Nozzlemen, Pumpcrete or Shotcrete							
	Pipelayer Helper							
						L&M	LEG	
N2203	Group III, including:	41.69	9.55	21.16	1.65	0.30	0.20	74.55
	Miner							
	Retimberman							
						L&M	LEG	
N2204	Group IIIA, including:	45.96	9.55	21.16	1.65	0.30	0.20	78.82
	Asphalt Raker, Asphalt Belly Dump Lay Down							
	Drill Doctor (in the field)							
	Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)							
	Pioneer Drilling & Drilling Off Tugger (all type drills)							
	Pipelayer							
	Powderman (Employee Possessor)							
	Storm Water Pollution Protection Plan Specialist (SWPPP Specialist)							
	Traffic Control Supervisor, DOT Qualified							
						L&M	LEG	
N2206	Group IIIB, including:	52.10	5.50	21.16	1.65	0.30	0.20	80.91
	Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)(over 5,000 hours)							
	Federal Powderman (Responsible Person in Charge)							
	Grade Checking (setting or transferring of grade marks, line and grade, GPS, drones)							
	Pioneer Drilling & Drilling Off Tugger (all type drills)(over 5,000 hours)							
	Stake Hopper							

Tunnel Workers, Laborers (The Alaska areas north of N63 latitude and east of W138 longitude)

*See per diem note on last page

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
						L&M	LEG	
Tunnel Workers, Laborers (The area that is south of N63 latitude and west of W138 longitude) *See per diem note on last page								
S2201	Group I, including:	39.60	9.55	21.16	1.65	0.30	0.20	72.46
	Brakeman Mucker Nipper Storm Water Pollution Protection Plan Worker (SWPPP Worker - erosion and sediment control Laborer) Topman & Bull Gang Tunnel Track Laborer							
S2202	Group II, including:	40.70	9.55	21.16	1.65	0.30	0.20	73.56
	Burning & Cutting Torch Certified Erosion Sediment Control Lead (CESCL Laborer) Concrete Laborer Floor Preparation, Core Drilling Jackhammer/Chipping Gun or Pavement Breaker Laser Instrument Operator Nozzlemen, Pumpcrete or Shotcrete Pipelayer Helper							
S2203	Group III, including:	41.69	9.55	21.16	1.65	0.30	0.20	74.55
	Miner Retimberman							
S2204	Group IIIA, including:	45.96	9.55	21.16	1.65	0.30	0.20	78.82
	Asphalt Raker, Asphalt Belly Dump Lay Down Drill Doctor (in the field) Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills) Pioneer Drilling & Drilling Off Tugger (all type drills) Pipelayer Powderman (Employee Possessor) Storm Water Pollution Protection Plan Specialist (SWPPP Specialist) Traffic Control Supervisor, DOT Qualified							
S2206	Group IIIB, including:	52.10	5.50	21.16	1.65	0.30	0.20	80.91
	Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)(over 5,000 hours) Federal Powderman (Responsible Person in Charge) Grade Checking (setting or transferring of grade marks, line and grade, GPS, drones) Pioneer Drilling & Drilling Off Tugger (all type drills)(over 5,000 hours)							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other Benefits		THR
	Tunnel Workers, Laborers (The area that is south of N63 latitude and west of W138 longitude) *See per diem note on last page							
						L&M	**LEG**	
S2206	Group IIIB, including:	52.10	5.50	21.16	1.65	0.30	0.20	80.91
	Stake Hopper							
	Tunnel Workers, Power Equipment Operators *See per diem note on last page							
						L&M		
A2207	Group I	52.51	11.40	14.75	1.00	0.10	0.05	79.81
						L&M		
A2208	Group IA	54.60	11.40	14.75	1.00	0.10	0.05	81.90
						L&M		
A2209	Group II	51.60	11.40	14.75	1.00	0.10	0.05	78.90
						L&M		
A2210	Group III	50.74	11.40	14.75	1.00	0.10	0.05	78.04
						L&M		
A2211	Group IV	43.36	11.40	14.75	1.00	0.10	0.05	70.66

*** Per diem is an established practice for this classification. This means that per diem is an allowable alternative to board and lodging if all criteria are met. See 8 AAC 30.051-08 AAC 30.056, and the per diem information on page vii of this Pamphlet.**

**** Work in combination of classifications: Employees working in any combination of classifications within the diving crew (working diver, standby diver, and tender) in a shift are paid in the classification with the highest rate for a minimum of 8 hours per shift.**

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Shipyard Rates Addendum

This Addendum was developed to address the specialized industry of shipbuilding/repair in Alaska, as it relates to public works. For the purposes of providing rates for shipyard work the Department is adopting Shipyard rates from the state of Washington (King County). These rates only apply to work done in shipbuilding/repair in Alaska, under a public contract. This addendum will be updated two times a year to coincide with the corresponding Issue of *Laborers and Mechanics MINIMUM RATES OF PAY.*

Class Code		BHR H&W PEN TRN Other Benefits THR
Shipyard Workers *See total hourly(THR) note below		
A2300	Ship Building/Repair Boilermaker	50.35
A2305	Ship Building/Repair Carpenter	50.95
A2310	Ship Building/Repair Crane Operator	45.06
A2315	Ship Building/Repair Electrician	50.42
A2320	Ship Building/Repair Heat & Frost Insulator	84.84
A2325	Ship Building/Repair Laborer	50.95
A2330	Ship Building/Repair Mechanist	50.95
A2335	Ship Building/Repair Operating Engineer	45.06
A2340	Ship Building/Repair Painter	50.95
A2345	Ship Building/Repair Pipefitter	50.95
A2350	Ship Building/Repair Rigger	50.35
A2355	Ship Building/Repair Sheet Metal	50.35
A2360	Ship Building/Repair Shipwright	50.95
A2365	Ship Building/Repair Warehouse	45.06

***The THR includes the base hourly rate (BHR) and fringe benefits. Employers must pay a BHR and fringe benefit package that adds up to the THR. Fringe benefits included in the THR can be paid to employees in three ways; paid into a union trust fund, into an approved benefit plan, or paid directly on the paycheck as gross wage**s.

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