



United States Department of the Interior
Bureau of Land Management



Uncompahgre Field Office
Colorado

Montrose Public Lands Center – Warehouse Improvements

SPECIFICATIONS



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SECTION 01 11 00

SUMMARY OF WORK

PART 1 GENERAL

1.1 PROJECT DESCRIPTION

The project includes repairs, remodeling, or improvements to at the Montrose Public Lands Center. The work includes, but is not limited to;

- Asbestos abatement.
- Remodel bathrooms.
- Replace flooring.
- Replace rooftop heating and cooling unit (RTU).
- Replace manual overhead door with electric overhead door.
- Add luminaires and replace existing luminaires.
- Add and relocate electrical outlets.
- Service and maintain metal roof.
- Repair and maintain existing overhead doors.
- Photovoltaic inverter replacement.

1.2 LOCATION

The project is located at the Montrose public lands center.

Montrose Public Lands Center
2465 South Townsend Ave
Montrose, CO 81401

1.3 WORK SCHEDULE

Work shall occur Monday - Friday. Work shall not occur on Federal Holidays, December 26-31, and the day after Thanksgiving. Work shall be completed within 180 days of the Notice to Proceed.

1.4 PUBLIC SAFETY

The Montrose Public Lands Center will remain open to the public and employees during the work. Contractor shall take precautions, as necessary, to protect the public and employees from construction hazards. The contractor may restrict access to the portions of the warehouse where work is occurring. Contractor shall maintain reasonable access to the portions of the warehouse where work is not occurring, or where work has been completed.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

-- End of Section --

SECTION 01 20 00

PRICE AND PAYMENT PROCEDURES

PART 1 GENERAL

Payment items for the work of this contract for which contract payments will be made are listed in the SCHEDULE and described below. All costs for items of work, which are not specifically mentioned to be included in a particular job are included in the listed job item most closely associated with the work involved. The price and payment made for each item listed constitutes full compensation for furnishing all labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for which separate payment is not otherwise provided.

1.1 MOBILIZATION AND DEMOBILIZATION

1.1.1 Payment

Payment will be made for costs associated with mobilization and demobilization.

When 5% of the original Contract amount is earned from other bid items, 50% of the amount bid for mobilization or 5% of the original Contract amount, whichever is lesser, will be paid.

When 15% of the original Contract amount is earned from other bid items, 100% of the amount bid for mobilization or 8% of the original Contract amount, whichever is lesser, will be paid.

Upon completion of work for the project, payment of the amount bid for mobilization in excess of 8% of the original Contract amount, will be paid.

1.1.2 Unit of Measure

Unit of measure: job.

1.2 ASBESTOS ABATEMENT

1.2.1 Payment

Payment will be made for all costs associated with removing and disposing of asbestos. Including inspecting for asbestos in the work.

1.2.2 Unit of Measure

Unit of measure: job.

1.3 DEMOLITION AND DISPOSAL

1.3.1 Payment

Payment will be made for all costs associated with demolition. Including transportation and disposal.

1.3.2 Unit of Measure

Unit of measure: job.

1.4 ROOFTOP AIR CONDITIONING UNIT (RTU)

1.4.1 Payment

Payment will be made for all costs associated with providing a Rooftop Air Conditioning Unit (RTU).

1.4.2 Unit of Measure

Unit of measure: job.

1.5 ROOFTOP AIR CONDITIONING UNIT (RTU)- SERVICE AND MAINTENANCE

1.5.1 Payment

Payment will be made for all costs associated with maintaining and servicing the Rooftop Air Conditioning Unit (RTU) as specified.

1.5.2 Unit of Measure

Unit of measure: job.

1.6 METAL ROOF REPAIR AND MAINTENANCE

1.6.1 Payment

Payment will be made for all costs associated with maintaining and servicing the metal roof.

1.6.2 Unit of Measure

Unit of measure: job.

1.7 OVERHEAD DOOR - WAREHOUSE

1.7.1 Payment

Payment will be made for all costs associated with providing an overhead door. Including providing electrical service.

1.7.2 Unit of Measure

Unit of measure: Job.

1.8 WAREHOUSE LUMINAIRE REPLACEMENT

1.8.1 Payment

Payment will be made for all costs associated with replacing existing luminaires with LED luminaires in the warehouse.

1.8.2 Unit of Measure

Unit of measure: Each.

1.9 WAREHOUSE LUMINAIRE ADDITION

1.9.1 Payment

Payment will be made for all costs associated with providing new luminaires in the warehouse, including electrical service, circuits, wiring, and conduit.

1.9.2 Unit of Measure

Unit of measure: Each.

1.10 WAREHOUSE - RELOCATE ELECTRIC RECEPTACLE

1.10.1 Payment

Payment will be made for all costs associated with relocating an existing electrical receptacle. Including wiring and conduit.

1.10.2 Unit of Measure

Unit of measure: Each.

1.11 WAREHOUSE - MODIFY ELECTRIC RECEPTACLE

1.11.1 Payment

Payment will be made for all costs associated with replacing an existing duplex electrical receptacle with a quadplex electrical receptacle.

1.11.2 Unit of Measure

Unit of measure: Each.

1.12 WAREHOUSE - NEW ELECTRIC RECEPTACLES

1.12.1 Payment

Payment will be made for all costs associated with providing new 20 Amp, duplex, GFCI, electrical receptacles. Including electrical service, circuits, wiring and conduit.

1.12.2 Unit of Measure

Unit of measure: Each.

1.13 WAREHOUSE - REPAIR/REPLACE WATER VALVE

1.13.1 Payment

Payment will be made for all costs associated with repairing or replacing the water valve in the warehouse.

1.13.2 Unit of Measure

Unit of measure: Job.

1.14 WAREHOUSE - UTILITY SINK

1.14.1 Payment

Payment will be made for all costs associated with providing a utility sink. Including plumbing, water service, and drainage.

1.14.2 Unit of Measure

Unit of measure: Job.

1.15 DOOR - HALLWAY

1.15.1 Payment

Payment will be made for all costs associated with providing the hallway door.

1.15.2 Unit of Measure

Unit of measure: Each.

1.16 DOOR - BATHROOMS AND CHANGING ROOMS

1.16.1 Payment

Payment will be made for all costs associated with providing doors in the bathrooms and changing rooms.

1.16.2 Unit of Measure

Unit of measure: Each.

1.17 WAREHOUSE EXTERIOR DOOR CLOSER REPLACEMENT

1.17.1 Payment

Payment will be made for all costs associated with replacing exterior door closers.

1.17.2 Unit of Measure

Unit of measure: Each.

1.18 BATHROOM WALL ALTERATIONS

1.18.1 Payment

Payment will be made for all costs associated with altering the bathroom walls, including wall alterations required for relocated and adding doors.

1.18.2 Unit of Measure

Unit of measure: Job.

1.19 LUMINAIRE REPLACEMENT - OFFICES

1.19.1 Payment

Payment will be made for all costs associated with replacing existing luminaires with LED luminaires in the offices, bathrooms, and hallway.

1.19.2 Unit of Measure

Unit of measure: Each.

1.20 CAN LIGHT LUMINAIRE REPLACEMENT - OFFICES

1.20.1 Payment

Payment will be made for all costs associated with replacing existing can light luminaires with LED luminaires.

1.20.2 Unit of Measure

Unit of measure: Each.

1.21 LUXURY VINYL TILE

1.21.1 Payment

Payment will be made for all costs associated with providing luxury vinyl floor tile.

1.21.2 Unit of Measure

Unit of measure: Square Foot.

1.22 BATHROOM - SHOWER RECONSTRUCTION

1.22.1 Payment

Payment will be made for all costs associated with reconstructing the showers, including plumbing, tile, and substrate.

1.22.2 Unit of Measure

Unit of measure: Each.

1.23 BATHROOM FIXTURES AND ACCESSORIES

1.23.1 Payment

Payment will be made for all costs associated with providing toilets, urinals, sinks, including adjusting the fixture heights, flush valves, faucets, showerhead and controls, sanitary napkin disposal, garment hooks, mirrors, ADA grab bars, locker room benches, toilet paper dispensers, shower curtain, ADA bathroom signs, and providing water and sewer service to all fixtures.

1.23.2 Unit of Measure

Unit of measure: Job.

1.24 BATHROOM - PORCELAIN FLOOR TILE

1.24.1 Payment

Payment will be made for all costs associated with providing porcelain floor tile in the bathrooms.

1.24.2 Unit of Measure

Unit of measure: Square Foot.

1.25 BATHROOM - PORCELAIN WALL TILE

1.25.1 Payment

Payment will be made for all costs associated with providing porcelain wall tile in the bathrooms.

1.25.2 Unit of Measure

Unit of measure: Square Foot.

1.26 PAINTING

1.26.1 Payment

Payment will be made for all costs associated with painting.

1.26.2 Unit of Measure

Unit of measure: Job.

1.27 STORAGE SHED - OVERHEAD DOOR REPAIRS

1.27.1 Payment

Payment will be made for all costs associated with repairing 3 overhead doors.

1.27.2 Unit of Measure

Unit of measure: Job.

1.28 STORAGE SHED - OVERHEAD DOOR MAINTENANCE

1.28.1 Payment

Payment will be made for all costs associated with maintaining 10 overhead doors.

1.28.2 Unit of Measure

Unit of measure: Job.

1.29 PHOTOVOLTAIC SYSTEM REPAIR

1.29.1 Payment

Payment will be made for all costs associated with replacing the photovoltaic inverter, including completing a system analysis.

1.29.2 Unit of Measure

Unit of measure: Job.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

-- End of Section --

SECTION 01 32 01

PROJECT SCHEDULE

PART 1 GENERAL

1.1 SUBMITTALS

Government approval is required for submittals with a "G" designation. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Initial Project Schedule; G

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

3.1 GENERAL REQUIREMENTS

Prepare for approval a Project Schedule, as specified herein, and pursuant to FAR Clause 52.236-15 Schedules for Construction Contracts. Show in the schedule the proposed sequence to perform the work and dates contemplated for starting and completing all schedule activities. The scheduling of the entire project is required.

3.2 PROJECT SCHEDULE DETAILED REQUIREMENTS

3.2.1 Level of Detail Required

Develop the Project Schedule to the appropriate level of detail to address major milestones, work listed in the bid schedule, and to allow for satisfactory project planning and execution.

3.2.2 Mandatory Tasks

Include the following activities/tasks in the initial project schedule and all updates.

- a. Submission, review and acceptance of submittals.
- b. Long procurement activities.
- c. Contractor's pre-final inspection.
- d. Government's pre-final inspection.
- e. Final inspection.

3.2.3 Government Activities

Include Government activities that could impact progress. These activities include, but are not limited to: Government inspections of work, Government approval of submittals.

3.3 WEEKLY PROGRESS MEETINGS

Conduct a weekly meeting with the Government for the purpose of jointly reviewing the actual progress of the project as compared to the as planned progress and to review planned activities.

3.4 FAILURE TO ACHIEVE PROGRESS

Should the progress fall behind the approved project schedule, the Contracting Officer may require provision of a written recovery plan for approval. The plan must detail how progress will be made-up to include which activities will be accelerated by adding additional crews, longer work hours, extra work days, etc.

3.4.1 Failure to Perform

Failure to perform work and maintain progress in accordance with the supplemental recovery plan may result in an interim and final unsatisfactory performance rating and may result in corrective action directed by the Contracting Officer pursuant to FAR 52.236-15 Schedules for Construction Contracts, FAR 52.249-10 Default (Fixed-Price Construction), and other contract provisions.

3.4.2 Recovery Schedule

Should the Contracting Officer find it necessary, submit a recovery schedule pursuant to FAR 52.236-15 Schedules for Construction Contracts.

-- End of Section --

SECTION 01 33 00

SUBMITTAL PROCEDURES

PART 1 GENERAL

1.1 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only.

1.2 INFORMATION ONLY SUBMITTALS

Normally submittals for information only will not be returned. Approval of the Contracting Officer's Representative is not required on information only submittals. The Government reserves the right to require the Contractor to resubmit any item found not to comply with the contract. This does not relieve the Contractor from the obligation to furnish material conforming to the plans and specifications; will not prevent the Contracting Officer from requiring removal and replacement of nonconforming material incorporated in the work; and does not relieve the Contractor of the requirement to furnish samples for testing by the Government.

1.3 GOVERNMENT APPROVING AUTHORITY

The Contracting Officer's Representative will:

- a. Note the date on which the submittal was received.
- b. Review submittals for approval within 10 days of receipt.
- c. Identify returned submittals with one of the actions defined in paragraph REVIEW NOTATIONS and with markings appropriate for action indicated.

Upon completion of review of submittals requiring Government approval, one copy of the submittal will be retained by the Contracting Officer's Representative and one copy of the submittal will be returned to the Contractor.

1.3.1 Review Notations

Submittals will be returned to the Contractor with the following notations:

- a. Submittals marked "approved" or "accepted" authorize the Contractor to proceed with the work covered.
- b. Submittals marked "approved as noted" or "approved, except as noted, resubmittal not required," authorize the Contractor to proceed with the work covered provided the Contractor takes no exception to the corrections.
- c. Submittals marked "not approved" or "disapproved," or "revise and resubmit," indicate noncompliance with the contract requirements or design concept, or that submittal is incomplete. Resubmit with appropriate changes. No work shall proceed for this item until

resubmittal is approved.

- d. Submittals marked "not reviewed" will indicate submittal has been previously reviewed and approved, is not required, does not have evidence of being reviewed and approved by Contractor, or is not complete. A submittal marked "not reviewed" will be returned with an explanation of the reason it is not reviewed. Resubmit submittals returned for lack of review by Contractor or for being incomplete, with appropriate action, coordination, or change.
- e. Submittals marked "receipt acknowledged" indicate that submittals have been received by the Government. This applies only to "information-only submittals" as previously defined.

1.4 DISAPPROVED SUBMITTALS

Make corrections required by the Contracting Officer's Representative. If the Contractor considers any correction or notation on the returned submittals to constitute a change to the contract drawings or specifications; notice as required under the FAR clause entitled CHANGES, is to be given to the Contracting Officer.

If changes are necessary to submittals, make such revisions and submission of the submittals in accordance with the procedures above. No item of work requiring a submittal change is to be accomplished until the changed submittals are approved.

1.5 APPROVED SUBMITTALS

The Contracting Officer's approval of submittals is not to be construed as a complete check.

Approval or acceptance will not relieve the Contractor of the responsibility for any error which may exist, as the Contractor under the Contractor Quality Control (CQC) requirements of this contract is responsible for.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

-- End of Section --

SUBMITTAL REGISTER

CONTRACT NO.

TITLE AND LOCATION

MONTROSE PUBLIC LANDS CENTER WAREHOUSE IMPROVEMENTS AND

CONTRACTOR

REPAIRS

ACTIVITY NO	TRANSMITTAL NO	SPEC SECT	DESCRIPTION ITEM SUBMITTED	PARAGRAPH	GOVT CLASSIFICATION	CONTRACTOR: SCHEDULE DATES			CONTRACTOR ACTION		DATE FWD TO APPR AUTH/	APPROVING AUTHORITY				MAILED TO CONTR/ DATE RCD FRM APPR AUTH	REMARKS
						SUBMIT	APPROVAL NEEDED BY	MATERIAL NEEDED BY	ACTION CODE	DATE OF ACTION	DATE RCD FROM CONTR	DATE FWD TO OTHER REVIEWER	DATE RCD FROM OTH REVIEWER	ACTION CODE	DATE OF ACTION		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
		01 32 01	SD-01 Preconstruction Submittals														
			Initial Project Schedule		G												
		01 46 00	SD-01 Preconstruction Submittals														
			Quality Control (QC) Manager	1.2	G												
		02 82 10	SD-01 Preconstruction Submittals														
			Asbestos Removal Work Plan	3.2													
			Inspection Survey	3.1													
		02 84 50	SD-07 Certificates														
			Certification Of Qualifications	3.1													
		07 61 00	SD-01 Preconstruction Submittals														
			Past Experience	3.1	G												
			SD-03 Product Data														
			Sealant	2.1	G												
		08 14 00	SD-03 Product Data														
			interior Wood Doors	2.1	G												
			door Closer	2.4	G												
		08 20 00	SD-03 Product Data														
			Door Closer	2.1	G												
		08 33 30	SD-03 Product Data														
			Overhead Door	2.1	G												
		09 30 50	SD-03 Product Data														
			Porcelain Floor Tile	2.1	G												
			Mosaic Porcelain Floor Tile	2.2	G												
			Porcelain Wall Tile	2.3	G												
			shower Wall Substrate And	2.7	G												
			Waterproofing Membrane														

SUBMITTAL REGISTER

CONTRACT NO.

TITLE AND LOCATION

MONTROSE PUBLIC LANDS CENTER WAREHOUSE IMPROVEMENTS AND

CONTRACTOR

REPAIRS

ACTIVITY NO	TRANSMITTAL NO	SPEC SECT	DESCRIPTION ITEM SUBMITTED	PARAGRAPH	GOVT CLASS S I F I C A T I O N O R A / E R E V I W R	CONTRACTOR: SCHEDULE DATES			CONTRACTOR ACTION		DATE FWD TO APPR AUTH/ DATE RCD FROM CONTR	APPROVING AUTHORITY				MAILED TO CONTR/ DATE RCD FRM APPR AUTH	REMARKS
						SUBMIT	APPROVAL NEEDED BY	MATERIAL NEEDED BY	ACTION CODE	DATE OF ACTION		DATE FWD TO OTHER REVIEWER	DATE RCD FROM OTH REVIEWER	ACTION CODE	DATE OF ACTION		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
		09 70 00	SD-03 Product Data														
			RESILIENT BASE BOARD	2.3	G												
			Luxury Vinyl Tile	2.1	G												
			Luxury Vinyl Tile Adhesive	2.2	G												
			SD-06 Test Reports														
			Concrete Substrate Testing	3.4	G												
		10 28 14	SD-03 Product Data														
			Toilet	2.1	G												
			Toilet Flush Valve	2.2	G												
			Urinal	2.3	G												
			Urinal Flush Valve	2.4	G												
			Sanitary Napkin Disposal	2.10	G												
			Garment Hook	2.11	G												
			Ada Grab Bars	2.13	G												
			Wall Hung Sink	2.5	G												
			Bathroom Faucet	2.6	G												
			Showerheads And Controls	2.7	G												
			Locker Room Bench	2.16	G												
			shower Curtain Rod	2.14	G												
			mirror	2.9	G												
			toilet Paper Dispenser	2.8	G												
			ada Bathroom Signs	2.15	G												
		22 00 30	SD-03 Product Data														
			Utility Sink	2.1	G												
			laboratory Faucet With Integrated	2.2	G												
			Emergency Eye Wash														

CONTRACT NO.

CONTRACTOR
REPAIRS

[illegible]

SECTION 01 46 00

QUALITY CONTROL

PART 1 GENERAL

1.1 QUALITY CONTROL

Contractor shall establish and maintain an effective quality control (QC) system that complies with FAR 52.246-12 Inspection of Construction. Quality control (QC) is comprised of plans, procedures, and organization necessary to produce an end product that complies with the contract requirements.

1.2 QUALITY CONTROL MANAGER

Provide a [quality control \(QC\) manager](#) at the work site to implement and manage the QC program. The QC Manager may also be the project superintendent.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; Submit the following in accordance with Section [01 33 00](#) SUBMITTAL PROCEDURES:

[SD-01 Preconstruction Submittals](#)

[Quality Control \(QC\) Manager; G](#)

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.1 QUALITY CONTROL

Contractor shall ensure that the construction complies with the requirements of the contract. At a minimum, perform the following prior to beginning work on each definable feature of work:

Review each paragraph of the applicable specification sections.

Review the contract drawings.

Verify that appropriate submittals have been approved.

Verify that the required preliminary work has been completed and complies with the contract.

Do not build upon nor conceal non-conforming work.

-- End of Section --

SECTION 02 41 00

DEMOLITION

PART 1 GENERAL

1.1 ITEMS TO BE DEMOLISHED

Items to be demolished include, but are not limited to:

- floor tile
- Toilets
- Urinal
- Showers
- Bathroom wall tile and tile substrate
- Bathroom walls - as detailed on the drawings
- Office sink, countertop, and built in shelving
- Warehouse overhead door
- Rooftop air conditioning unit (RTU)

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

3.1 GENERAL

Do not disturb existing construction beyond the extent indicated or necessary for installation of new construction.

Protect items to remain during demolition and remodeling.

Prevent the spread of dust and debris outside of the work area.

3.2 FLOOR TILE

Contract shall demolish all layers of floor tile to the concrete floor. There may be multiple layers of floor tile.

3.3 DISPOSAL OF MATERIALS

Demolished items and materials shall become the property of the Contractor and removed from Government property and properly disposed of lawfully in accordance with applicable federal, state, and local regulations.

-- End of Section --

SECTION 02 82 10

ASBESTOS REMOVAL AND DISPOSAL

PART 1 GENERAL

1.1 DESCRIPTION OF WORK

Asbestos is present at the work site. The asbestos shall be removed and disposed in accordance with all Federal, State, and Local requirements.

1.2 CRITERIA FOR BIDDING

The Government has an asbestos survey and inspection report for the warehouse, dated February 2010. Contractor shall assume that no additional asbestos will be found that was not already identified in the existing asbestos survey and inspection report. The Government will not require removal of asbestos containing material not identified in the existing asbestos survey report without equitable consideration to the Contractor.

1.3 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

29 CFR 1926.1101 Asbestos

40 CFR 61-SUBPART M National Emission Standard for Asbestos

1.4 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Asbestos Removal Work Plan

Inspection Survey

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.1 ADDITIONAL ASBESTOS SURVEY

The Contractor shall have an asbestos inspector, certified by the State of Colorado, survey the warehouse building for asbestos containing materials prior to disturbance. The survey shall include concealed areas that will be disturbed or exposed, as required to complete this project. Submit a

copy of the [inspection survey](#) to the Contracting Officer's Representative.

3.2 ASBESTOS REMOVAL AND DISPOSAL

Perform all work in accordance [40 CFR 61-SUBPART M](#) and [29 CFR 1926.1101](#). Asbestos must be removed by an asbestos removal contractor, certified by the State of Colorado. Submit an [asbestos removal work plan](#) that details all aspects of the removal and required safety precautions. Include in the work plan the certification(s) of the person(s) creating the work plan and of the person(s) performing the removal.

-- End of Section --

SECTION 02 84 50

HAZARDOUS MATERIAL REMOVAL

PART 1 GENERAL

1.1 DESCRIPTION OF WORK

All hazardous materials must be properly removed prior to demolition. Hazardous materials include, but are not limited to: asbestos, ozone depleting controlled substances (refrigerants), Polychlorinated Biphenyls (fluorescent light ballasts).

1.2 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

40 CFR 82

Protection of Stratospheric Ozone

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-07 Certificates

Certification Of Qualifications

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.1 OZONE DEPLETING CONTROLLED SUBSTANCES (REFRIGERANTS, COOLANTS, AND HEAT TRANSFER FLUIDS)

Class 1 and class 2 ozone depleting controlled substances must be removed, and disposed of, in accordance with 40 CFR 82. The removal must be completed by someone certified to complete the removal in accordance with 40 CFR 82 and with the state of Colorado. Submit the certification of qualifications certification of the person performing the removal and disposal.

3.2 ASBESTOS

See section 02 82 10 for asbestos removal requirements.

3.3 POLYCHLORINATED BIPHENYLS (PCBS) IN FLUORESCENT LIGHT BALLASTS

The Contractor shall verify the presence or absence of Polychlorinated Biphenyls (PCBs) prior to removal. Fluorescent light ballasts have PCBs

unless they are labeled "NO PCBS" or they are manufactured after 1998. Any fluorescent light ballasts containing Polychlorinated Biphenyls (PCBs) shall be disposed of in accordance with Federal, State, and Local requirements.

3.4 LEAD PAINT

This contract does not require lead paint to be remediated. However, the Contractor shall follow any Federal, State, or Local requirements for handling and proper disposal of the materials covered with lead paint. The warehouse was not tested for lead paint.

3.5 OTHER HAZARDOUS MATERIALS

The BLM is not aware of any other hazardous materials in the demolition and work locations. The Contractor shall notify the BLM if any other hazardous materials, requiring special disposal are encountered prior to demolition.

-- End of Section --

SECTION 06 15 00

CARPENTRY AND GYPSUM SHEATHING

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

AMERICAN WOOD COUNCIL (AWC)

AWC WFCM

(2024) Wood Frame Construction Manual for One- and Two-Family Dwellings

GYPSUM ASSOCIATION (GA)

GA 216

(2018) Application and Finishing of Gypsum Panel Products

WESTERN WOOD PRODUCTS ASSOCIATION (WWPA)

WWPA G-5

(2017) Western Lumber Grading Rules

PART 2 PRODUCTS

2.1 LUMBER - FRAMING

Stud grade, as graded by WWPA G-5.

2.2 GYPSUM WALL SHEATHING - WALL ALTERATIONS

Match existing gypsum sheathing thickness.

PART 3 EXECUTION

3.1 FRAMING AND NAILING

Install in accordance with AWC WFCM. Select studs for straightness and set plumb, true, and in alignment.

3.2 SHOWER AND TILE SHEATHING

Provide sheathing in accordance with 09 30 50 PORCELAIN TILE.

3.3 GYPSUM WALL SHEATHING

Install in accordance with GA 216. Fasten gypsum wall sheathing to framing with steel drill screws. Provide corner bead on all corners. Tape and finish in accordance with GA 216. Finish walls to Level 3 in accordance with GA 216.

3.4 EXISTING WALL REPAIR (WAREHOUSE)

Repair the existing wall behind and around the existing mop sink in the

warehouse. Provide gypsum wall sheathing and paint the wall.

3.5 PAINTING

Paint walls and ceilings in accordance with 09 90 00 PAINTS AND COATINGS.

-- End of Section --

SECTION 07 61 00

METAL ROOF REPAIR AND MAINTENANCE

PART 1 GENERAL

1.1 SECTION SUMMARY

Repair and maintain the warehouse metal roof. Make the roof weathertight.

1.2 WAREHOUSE ROOF LEAK LOCATIONS

The warehouse roof leaks. The leak is evident in the approximate locations shown on the drawings. The water drips on the floor, below the peak of the roof and the wall gets wet.

1.3 PROBABLE ADDITIONAL LEAK LOCATIONS

The roof may also leak around two roof penetrations with deteriorated rubber boot gaskets, however the leak is not obvious inside the building.

1.4 ROOF SCREW HOLES

There are several roof screw holes (approximate 3/8 inch diameter) that need to be filled, or repaired, to maintain a weather tight roof. Contractor shall assume that there are less than 30 screw holes that need to be repaired.

1.5 ASBESTOS

There is asbestos in the roof sealant. See Section 02 82 10 ASBESTOS REMOVAL AND DISPOSAL.

1.6 SUBMITTALS

Government approval is required for submittals with a "G" designation; Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Past Experience; G

SD-03 Product Data

Sealant; G

PART 2 PRODUCTS

2.1 SEALANT

Flexible, weather-resistant, UV resistant, appropriate for Montrose, and specifically manufactured for use on a metal roof. Submit for approval.

PART 3 EXECUTION

3.1 ROOFING CONTRACTOR QUALIFICATIONS AND PAST EXPERIENCE

The Contractor completing work covered by this section shall have a minimum of 5 years' experience installing and repairing metal roofs. Submit [past experience](#) qualifications for approval.

3.2 ROOF MAINTENANCE AND REPAIR

Remove roof sealant around the ridge cap, ridge cap seams, ridge cap flashing, and other areas where sealant exists on the roof. Apply sealant, as necessary, to make the roof weather tight. Apply sealant in accordance with the manufacturer's written installation instructions.

3.3 ROOF PENETRATIONS

There are 13 pipe penetrations, of various sizes, on the roof. Service all roof penetrations to make weathertight. Remove and replace rubber boot gaskets on all roof penetrations. Remove and replace sealant.

3.4 ROOF SCREW HOLES MAINTENANCE AND REPAIR

Repair or fill roof screw holes, as necessary, to make the roof weathertight.

3.5 ROOFTOP AIR CONDITIONING UNIT

The rooftop air conditioning unit (RTU) shall be replaced, see section [23 81 10](#) ROOFTOP AIR CONDITIONING UNIT. Provide weather tight connection between roof and RTU.

-- End of Section --

SECTION 08 14 00

WOOD DOORS

PART 1 GENERAL

1.1 SECTION SUMMARY

Provide interior wood doors, complete with frame, hinges, and finish hardware

1.2 SUBMITTALS

Government approval is required for submittals with a "G" designation; Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

interior Wood Doors; G

door Closer; G

1.3 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

WINDOW AND DOOR MANUFACTURERS ASSOCIATION (WDMA)

ANSI/WDMA I.S.1A (2013) Interior Architectural Wood Flush Doors

PART 2 PRODUCTS

2.1 INTERIOR WOOD DOORS

Solid core. Wood veneer. Provide doors in conformance with ANSI/WDMA I.S.1A

	Door Location	Door Width (inches)	Description
1	Hallway	36	Solid. Structural Composite Core. Half lite. Door Closer.
2	Men's Changing Room	36	Solid. Particleboard Core. Flush.
3	Women's Changing Room	36	Solid. Particleboard Core. Flush.
4	Men's Bathroom	32	Solid. Particleboard Core. Flush.
5	Women's Bathroom	32	Solid. Particleboard Core. Flush.

2.2 HALF LITE

Laminated safety glass. Glass dimensions: 22" x 34", +/- 2 inches in both

directions.

2.3 DOOR FINISH

Factory finish doors. Transparent finish. comply with ANSI/WDMA I.S.1A TR-4, conversion varnish.

2.4 DOOR CLOSER

The hallway door shall have a closer that complies with the Architectural Barriers Act (ABA) for closing speed and opening force.

2.5 DOOR STOPS AND SILENCERS

Provide door stops and silencers for all proposed doors.

2.6 DOOR HARDWARE - HALLWAY AND CHANGING ROOMS

Provide passage lever. No lock, no key, no privacy.

2.7 DOOR HARDWARE - BATHROOM

Provide bathroom privacy lockset, with emergency release on the outside.

PART 3 EXECUTION

3.1 INSTALLATION

Provide doors complete with frame, hinges, and finish hardware. Install doors to comply with manufacturer's written instructions, ANSI/WDMA I.S.1A, and as indicated. Align and fit doors in frames with uniform clearances.

-- End of Section --

SECTION 08 20 00

WAREHOUSE EXTERIOR DOOR CLOSERS

PART 1 GENERAL

1.1 SECTION SUMMARY

Replace exterior door closers on four warehouse doors.

1.2 SUBMITTALS

Government approval is required for submittals with a "G" designation; Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Door Closer; G

PART 2 PRODUCTS

2.1 DOOR CLOSER

Manufacturer: LCN
4110 Series, with hold open arm.

PART 3 EXECUTION

3.1 EXTERIOR DOOR CLOSER REPLACEMENT

Replace the exterior door closers on four warehouse doors.

3.2 INSTALLATION

Remove existing door closer. Install new door closer in accordance with the manufacturer's written installation instructions.

-- End of Section --

SECTION 08 33 30

OVERHEAD DOOR - WAREHOUSE

PART 1 GENERAL

1.1 SECTION SUMMARY

Replace existing manually operated overhead door, located in the warehouse, with an electrically operated overhead door.

1.2 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 70

(2020; ERTA 20-1 2020; ERTA 20-2 2020; TIA 20-1; TIA 20-2; TIA 20-3; TIA 20-4)
National Electrical Code

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Overhead Door; G

PART 2 PRODUCTS

2.1 OVERHEAD DOOR

Overhead door shall have the following properties:

Electric motor operated.
Capability to operate manually in case of power failure.
Safety - sensing edge device that extends the full width of the door.
Exterior rated.
Steel door panels, minimum 20 gage thickness.
Polyurethane foam insulation injected between the exterior and interior panels of the door.
Baked-Enamel or Power-Coat finish.
White color.

PART 3 EXECUTION

3.1 EXISTING OVERHEAD DOOR

Existing overhead door opening is approximately 10 feet wide and 8 feet tall. Contractor shall verify exact size.

Remove existing overhead door in accordance with 02 41 00 DEMOLITION.

3.2 ELECTRIC SERVICE

Provide electrical service to the overhead door in accordance with NFPA 70. There is no electrical service to the existing overhead door.

3.3 STRUCTURAL SUPPORTS

Provide structural support as necessary for the motor and door tracks, and for proper function of the overhead door.

3.4 INSTALLATION

Install overhead door in accordance with the manufacturer's written instructions. Provide a weather-tight fit around the entire door. Provide hardware, as necessary, for the proper installation and function of the overhead door.

Existing door tracks may be reused, provided they provide proper function and structural support of the overhead door.

3.5 OVERHEAD DOOR OPERATION

Overhead door shall be operated by a switch located on the wall near the overhead door and the man door. Remote activation of the door is not required.

3.6 EXISTING SPRINKLER

Do not disturb the existing sprinkler head, or water supply line that is in close proximity to the existing (and proposed) overhead garage door.

-- End of Section --

SECTION 08 33 40

OVERHEAD DOORS - STORAGE SHED

PART 1 GENERAL

1.1 SUMMARY OF WORK

Repair 3 overhead doors and maintain 10 overhead doors located on the storage shed.

1.2 ADDITIONAL INFORMATION

The existing storage shed has 10 overhead doors. 3 of the 10 overhead doors need repair. 7 of the 10 overhead doors operate. All overhead doors are manually operated. See supplemental site pictures to identify which doors need repair.

PART 2 PRODUCTS

2.1 OVERHEAD DOORS

Replacement overhead doors, panels, and parts, shall match the type, style, and color of the existing overhead doors.

PART 3 EXECUTION

3.1 OVERHEAD DOOR REPAIR OR REPLACEMENT

Repair or replace three (3) existing, manually operated, overhead doors. The door panels need repair on two (2) of the overhead doors. The overhead doors shall open and close completely and operate smoothly after repair or replacement.

3.2 OVERHEAD DOOR MAINTENANCE

Maintain ten (10) existing, manually operated, overhead doors. Lubricate moving parts. Clean tracks. Tighten loose hardware. Replace parts, as necessary, for smooth operation. The three (3) doors that need repair shall operate smoothly after maintenance.

3.3 OVERHEAD DOOR HANDLE

Provide handle on the one overhead door that does not have a handle. Handle shall match the style of the existing handles.

-- End of Section --

SECTION 09 30 50

PORCELAIN TILE

PART 1 GENERAL

1.1 SECTION SUMMARY

Provide porcelain floor and wall tile in the restrooms. Locations shown on the drawings.

1.2 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

TILE COUNCIL OF NORTH AMERICA (TCNA)

TCNA Hdbk (2017) Handbook for Ceramic, Glass, and Stone Tile Installation

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Porcelain Floor Tile; G

Mosaic Porcelain Floor Tile; G

Porcelain Wall Tile; G

shower Wall Substrate And Waterproofing Membrane; G

PART 2 PRODUCTS

2.1 PORCELAIN FLOOR TILE

PEI (Porcelain Enamel Institute) abrasion classification scale: PEI class 4.
Textured and glazed finish.
1/4 inch thickness.
Submit color samples for BLM approval.

2.2 MOSAIC PORCELAIN FLOOR TILE

PEI (Porcelain Enamel Institute) abrasion classification scale: PEI class 4.
Textured and glazed finish.
1/4 inch thickness.
Submit color samples for BLM approval.

2.3 PORCELAIN WALL TILE

PEI (Porcelain Enamel Institute) abrasion classification scale: PEI class 4.
Glazed finish.
1/8 inch thickness.
Submit color samples for BLM approval.

2.4 TRANSITION STRIPS

Porcelain. Maximum 1/2 inch height above finished floor. Sloped or beveled on each side.

2.5 WALL SUBSTRATE - EXCLUDING SHOWER WALLS

Provide glass-mat, water-resistant backing board for wall tile, excluding the shower. Fill gaps with mortar and water proof seam tape.

2.6 GROUT

In accordance with the TCNA Handbook [TCNA Hdbk](#) for Ceramic, Glass, and Stone Tile Installation .

2.7 SHOWER WALL SUBSTRATE AND WATERPROOFING MEMBRANE

Waterproofing Membranes for Thinset Installations: ANSI A118.10, fabric-faced chlorinated polyethylene, PVC, or polyethylene sheet product.

Product: Schluter systems: Kerdi-board. Kerdi waterproofing and vapor retardant membrane, or approved equal.

PART 3 EXECUTION

3.1 DEMOLITION

Remove existing tile, grout, and tile wall substrate in accordance with [02 41 00](#) DEMOLITION. Remove existing wall substrate at all locations where wall tile is proposed.

3.2 SUBSTRATE PREPARATION

Prepare substrate in accordance with the TCNA Handbook [TCNA Hdbk](#) for Ceramic, Glass, and Stone Tile Installation. Remove substrate coatings and other substances that are incompatible with adhesives using mechanical methods. Do not use solvents.

3.3 WALL SUBSTRATE

Remove and demolish existing substrate in locations where wall tile is required. Provide glass-mat, water-resistant backing board for wall tile, excluding the shower. Match existing substrate thickness. Fill gaps with mortar and water proof seam tape.

3.4 SHOWER WALL SUBSTRATE AND WATERPROOFING SYSTEMS

Provide waterproofing in the shower. Provide Schluter systems: Kerdi-Board and kerdi waterproofing and vapor retardant membrane. Install in accordance with the manufacturer's written installation instructions.

3.5 INSTALLATION OF TILE

Install wall tile before installation of floor tile. Install wall tile in accordance with the TCNA Hdbk, method B, and with grout joints.

Provide porcelain wall tile for all bathroom walls. Install wall tile up to 55 inches above finish floor elevation.

Install shower wall tile up to the ceiling.

3.6 TRANSITION STRIPS

Provide a 0.5 inch height transition strip between the porcelain tile and the porcelain mosaic tile.

-- End of Section --

SECTION 09 70 00

LUXURY VINYL TILE

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

ASTM INTERNATIONAL (ASTM)

ASTM F710 (2021) Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring

ASTM F2170 (2019a) Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes

1.2 SECTION SUMMARY

Provide luxury vinyl tile (solid vinyl tile) and vinyl base board molding.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; Submit the following in accordance with Section **01 33 00** SUBMITTAL PROCEDURES:

SD-03 Product Data

RESILIENT BASE BOARD; G

Luxury Vinyl Tile; G

Luxury Vinyl Tile Adhesive; G

SD-06 Test Reports

Concrete Substrate Testing; G

PART 2 PRODUCTS

2.1 LUXURY VINYL TILE

Manufacturer: Armstrong Flooring
Collection: Parallel USA 20
Size: 18in x 18in x 0.1 in
Design: Jace
Color: Pier Beige
Item Number: J5251

2.2 LUXURY VINYL TILE ADHESIVE

As recommend by the luxury vinyl tile (LVT) manufacturer, based on the results of the concrete substrate moisture and pH testing.

2.3 RESILIENT BASE BOARD

In accordance with ASTM F 1861. 0.125 inch thickness. 4 inch height.

2.4 EDGE AND TRANSITION STRIPS

Metal. Designed for use with specified luxury vinyl tile.

PART 3 EXECUTION

3.1 EXISTING FURNITURE

Remove, and replace, existing furniture as necessary to complete the work.

3.2 DEMOLITION

Remove existing tile, grout, and adhesives in accordance with 02 41 00 DEMOLITION.

3.3 SUBSTRATE PREPARATION

Remove substrate coatings and other substances, using mechanical methods, and expose the concrete floor. Do not use solvents. Inspect concrete surface for damage or cracks. Notify the Contracting Officer's Representative of any defects to the concrete surface. Prepare the concrete in accordance with ASTM F710 and the manufacturer's written instructions.

3.4 CONCRETE SUBSTRATE TESTING

Test the moisture content of the concrete substrate in accordance with ASTM F2170.

Test the pH of the concrete substrate in accordance with ASTM F710.

Submit test results. Use test results to determine the proper adhesive in accordance with the manufacturer's recommendations.

3.5 BOND TEST

Install a few pieces of luxury vinyl tile (LVT) as recommended by the manufacturer. Allow to set for 72 hours. After curing, test the effectiveness of the bond.

3.6 INSTALLATION OF TILE

Install flooring and accessories in accordance with manufacturer's printed installation instructions. Prepare and apply adhesives in accordance with manufacturer's directions for installation method specified. Keep tile lines and joints square, symmetrical, tight, and even. Vary edge width as necessary to maintain full-size tiles in the field, no edge tile to be less than one-half the field tile size. Cut flooring to fit around all permanent fixtures, built-in furniture and cabinets, pipes, and outlets. Cut, fit, and scribe edge tile to walls and partitions after field

flooring has been applied. Install flooring "wall to wall" before the installation of floor-set cabinets, casework, furniture, equipment, etc. Roll with a 100-lb. roller in the field areas. Refer to specific rolling instructions of the flooring manufacturer.

3.7 METAL EDGE AND TRANSITION STRIPS

Provide metal edge and transition strips at all edges (except walls) and transitions of the luxury vinyl tile (LVT).

3.8 RESILIENT BASE BOARD MOLDING

Provide resilient base board molding. Install as recommended by the manufacturer's printed installation instructions.

-- End of Section --

SECTION 09 90 00

PAINTS AND COATINGS

PART 1 GENERAL

1.1 SECTION SUMMARY

Paint offices, hallways, bathrooms, including ceilings. Paint wall repair in the warehouse.

1.2 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

MASTER PAINTERS INSTITUTE (MPI)

MPI 44 (2016) Latex, Interior, (MPI Gloss Level 2)

MPI 52 (2016) Latex, Interior, (MPI Gloss Level 3)

1.3 PAINTING INCLUDED

Drywall or gypsum surfaces, including ceilings. Surfaces behind portable objects and surface mounted articles readily detachable by removal of fasteners, such as screws and bolts.

1.4 PAINTING EXCLUDED

Wood trim around existing windows and doors to remain. Existing wooden doors to remain.

PART 2 PRODUCTS

2.1 PAINT - WALLS

Sherwin-Williams, "Duration Interior Acrylic Latex". Eggshell finish.
Or equal: MPI 52 Interior Latex. Moisture resistant, bathroom paint.

2.2 PAINT - CEILING

Sherwin-Williams, "Premium Ceiling Paint". Flat finish.
Or equal: MPI 44. Interior Latex. Ceiling paint.

2.3 PAINT COLOR

Exact colors shall be provided by the BLM.

Ceilings: White

Office Walls and Hallway: Beige

Bathroom Walls: To be determined, to match the tile.

Warehouse wall repair: match existing wall color.

PART 3 EXECUTION**3.1 PROTECTION OF AREAS AND SPACES NOT TO BE PAINTED**

Prior to surface preparation and coating applications, remove, mask, or otherwise protect, hardware, hardware accessories, fixtures, and other items not to be coated that are in contact with surfaces to be coated. Restore surfaces contaminated by coating materials, to original condition and repair damaged items.

3.2 CLEANING

Thoroughly clean wood window sills, wood framing, and wood molding not scheduled to be painted.

3.3 SURFACE PREPARATION

Repair any damage to existing wall substrate. Remove dirt, loose particles, and other foreign matter and substances deleterious to coating performance of paint. Sand, spackle, and treat minor defects to render them smooth. Repair and fill cracks.

3.4 COATING APPLICATION

Thoroughly work coating materials into joints, crevices, and open spaces. Special attention shall be given to insure that all edges, corners, and crevices receive a film thickness equal to that of adjacent painted surfaces. Allow time between coats to permit thorough drying. Provide finished surfaces free from runs, drops, ridges, waves, laps, brush marks, and variations in colors.

3.5 WAREHOUSE WALL REPAIR

Paint the warehouse wall repair. Approximate area is 3 foot by 4 foot.

3.6 COATS

Two coats of paint are required.

-- End of Section --

SECTION 10 20 00
BATHROOM ALTERATIONS

PART 1 GENERAL

1.1 SECTION SUMMARY

Reconfigure and remodel the warehouse bathrooms. All plumbing work shall be in accordance with ICC IPC.

1.2 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

INTERNATIONAL CODE COUNCIL (ICC)

ICC IPC (2018) International Plumbing Code

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

3.1 DEMOLITION

Demolish walls, shower, and floor tile, as shown on the drawings, and in accordance with section 02 41 00 DEMOLITION.

3.2 BATHROOM WALL RECONSTRUCTION

Reconstruct walls, as shown on the drawings, and in accordance with section 06 15 00 CARPENTRY AND GYPSUM SHEATHING.

3.3 SHOWER RECONSTRUCTION

Reconstruct the shower in accordance with the American's with Disabilities Act (ADA) standards. Provide a shower without a step up, or increase in elevation, from the rest of the bathroom. Modify existing concrete slab and plumbing as necessary for proper drainage.

3.4 SHOWERHEAD AND CONTROL RELOCATION

Relocate the shower controls, shower heads, and diverter to the adjacent wall, as shown on the drawings. Existing shower control location does not meet American's with Disabilities Act (ADA) requirements. Provide plumbing (water supply) as necessary for proper operation of the shower controls.

3.5 URINAL RELOCATION

Relocate the urinal as shown on the drawings. Provide plumbing (water supply and sewer) as necessary for proper operation of urinal.

-- End of Section --

SECTION 10 28 14

BATHROOM FIXTURES AND ACCESSORIES

PART 1 GENERAL

1.1 GENERAL

All plumbing work shall be in accordance with ICC IPC.

1.2 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)

ASME A112.19.2/CSA B45.1 (2018; ERTA 2018) Standard for Vitreous China Plumbing Fixtures and Hydraulic Requirements for Water Closets and Urinals

INTERNATIONAL CODE COUNCIL (ICC)

ICC IPC (2021) International Plumbing Code

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Toilet; G
Toilet Flush Valve; G
Urinal; G
Urinal Flush Valve; G
Sanitary Napkin Disposal; G
Garment Hook; G
Ada Grab Bars; G
Wall Hung Sink; G
Bathroom Faucet; G
Showerheads And Controls; G
Locker Room Bench; G
shower Curtain Rod; G

mirror; G

toilet Paper Dispenser; G

ada Bathroom Signs; G

PART 2 PRODUCTS

2.1 TOILET

Manufacturer: Sloan

Model: ST-2459 Elongated, wall mounted water closet.

Toilet shall be labeled to operate with a WaterSense flush valve.

ASME A112.19.2/CSA B45.1, white vitreous china, siphon jet, elongated bowl, wall mounted. Provide white solid plastic elongated open-front seat for men and closed-front seat for women.

2.2 TOILET FLUSH VALVE

Manufacturer: Sloan

Model: 111-1.28-CO "Royal Manual Flushometer"

Flush valves shall be nonhold-open type, meet the EPA WaterSense product definition specified in

http://www.epa.gov/watersense/partners/product_program_specs.html, use no more than 1.28 gallons per flush, and must be EPA WaterSense labeled.

2.3 URINAL

Manufacturer: Sloan

Model: SU-10009

Urinals shall be labeled to operate with a WaterSense flush valve.

Urinals shall be ADA compliant. Urinals shall be white vitreous china, wall-mounted, wall outlet, siphon jet, integral trap, and extended side shields.

2.4 URINAL FLUSH VALVE

Manufacturer: Sloan

Model: Royal 186 SFMS Flushometer

Urinal flush valves shall be nonhold-open type, meet the EPA WaterSense product definition specified in

http://www.epa.gov/watersense/partners/product_program_specs.html, use no more than 0.125 gallons per flush, and must be EPA WaterSense labeled.

2.5 BATHROOM WALL HUNG SINK (LAVATORY)

ASME A112.19.2/CSA B45.1, white vitreous china, minimum dimensions of 19 inches, wide by 17 inches front to rear, with supply openings for use with top mounted centerset faucets, and openings for concealed arm carrier installation. Provide faucet. Provide ASME A112.6.1M concealed wall mounted carriers for the sink. Mount sink with the front rim 34 inches above floor and with 29 inches minimum clearance from bottom of the front rim to floor.

2.6 BATHROOM FAUCET

Mechanical metered faucet:

Manufacturer: American Standard

Model number: 1340.119

Thermostatic mixing valve:

Manufacturer: American Standard

Model number: 605XTMV1070

Faucets shall be American's with Disabilities Act (ADA) compliant, mechanical metered, manual push, type. Provide thermostatic mixing valve and tempered water.

Faucets shall meet the EPA WaterSense product definition specified in http://www.epa.gov/watersense/partners/product_program_specs.html, have a maximum flow rate of 0.5 gpm at a flowing pressure of 60 psi. Water volume must be limited to 0.25 gal per metering cycle, and must be EPA WaterSense labeled.

2.7 SHOWERHEADS AND CONTROLS

Provide a handheld shower head. Provide a slide bar for the handheld shower head. Provide a thermostatic mixing valve, diverter valve, and valve trim. Handheld shower hose shall be a minimum of 59 inches long. Provide all accessories for a properly functioning shower system.

Manufacturer: Kohler

Shower Model: Awaken B110, 30" deluxe three-function handshower kit, K-99243-G.

Finish: Brushed Nickel.

Meet the EPA WaterSense product definition specified in http://www.epa.gov/watersense/partners/product_program_specs.html, have a maximum flow rate of 2.0 gpm at a flowing pressure of 60 psi and must be EPA WaterSense labeled.

2.8 TOILET PAPER DISPENSER

Bobrick B-76867, or equal. Double roll. Stainless steel, satin finish. Mounting flanges.

2.9 MIRROR

Bobrick B-290 2436, or equal. Stainless steel, satin finish channel. 24" wide x 36" tall.

2.10 SANITARY NAPKIN DISPOSAL

Sanitary napkin receptacle shall be made of stainless steel with satin finish and all welded construction. Unit shall have piano hinge attached at the top and an integral finger depression for opening.

2.11 GARMENT HOOK

Surface mounted garment hook made of stainless steel with satin finish. For use on door back or wall.

2.12 ADA SHOWER SEAT

Wall mounted shower seat. Frame made of stainless steel with satin finish. Seat made of nonporous solid phenolic with slots to permit water to drain, secured to frame with stainless steel hardware. Mounting hardware included. Seat to support a minimum static load of 250 pounds. Hinge seat to fold up when not in use. Seat complies with ADA guidelines.

Approximate size: 34 inches wide by 15 inches deep.

2.13 ADA GRAB BARS

Grab bar of 1-1/4 inch diameter satin finish stainless steel with peened gripping surface for use in toilet room and shower. Stainless steel snap-on flange covers for concealed mounting. Grab bars designed to meet and exceed ADA requirements for structural strength. Grab bars designed to withstand loads of 250 pounds when properly installed. Clearance from wall to grab bar is 1-1/2 inches to meet ADA and ANSI codes.

ADA GRAB BARS - SHOWERS

18 Inch length - control wall

L-SHAPE BAR - SHOWERS

Manufacturer: Bobrick

Model: B-6861

16 Inch length - side wall

32 Inch length - control wall

ADA GRAB BARS - TOILETS

42 Inch length - side wall

36 Inch length - back wall

2.14 SHOWER CURTAIN ROD

Bobrick B-6107 series. One inch diameter rod with mounting flanges.

2.15 ADA BATHROOM SIGNS

Gender signs with pictogram and text. Sign, text, and pictogram shall comply with the Architectural Barriers Act (ABA). 2 men's signs. 2 women's signs.

2.16 LOCKER ROOM BENCH

Freestanding bench, 72 inches long x 12 inches wide x 17 inches tall, wood top, metal pedestals. Uline model # H-3010DLX

2.17 COPPER PIPE

Copper pipe shall be used for all water supply. No other types are allowed.

2.18 EXPOSED PLUMBING

Exposed to view components shall be chromium-plated or polished stainless steel.

PART 3 EXECUTION**3.1 GENERAL**

Provide plumbing to and from all fixtures, and accessories, as required, for complete and operating plumbing systems. All plumbing work shall be in accordance with ICC IPC.

3.2 INSTALLATION

Furnish all labor and materials and perform all operations necessary for the installation of complete and operating plumbing systems.

Install toilets, urinals, flush valves, sinks, faucets, showers, and other specified items in accordance with the manufacturer's written installation instructions.

3.3 STRUCTURAL SUPPORT FOR FIXTURES AND ACCESSORIES

Provide structural support for sinks, toilets, urinal, grab bars, shower seat, curtain rods, dispensers, and other wall mounted objects.

Provide structural support, as necessary, for a professional installation, in accordance with the manufacturer's written instructions, and to be in compliance with American's with Disability Act (ADA) force requirements. Ensure structural support provides adequate anchorage and is structurally integrated with the wall framing.

3.4 FIXTURE SUPPORT

Fixture supports for off-the-floor lavatories (sinks) and toilets be of the chair-carrier type. The carrier shall provide the necessary means of mounting the fixture. Adjustability shall be provided to locate the fixture at the desired height and in proper relation to the wall. Support plates shall be fastened to the wall structure.

3.5 ANCHORS AND FASTENERS

Provide corrosion-resistant anchors and fasteners capable of developing a restraining force commensurate with the strength of the accessory to be mounted and suited for use with the supporting construction. Provide tamperproof design exposed fasteners with finish to match the accessory. Provide the same finish for the surfaces of fastening devices exposed after installation as the attached accessory. Provide oval exposed screw heads.

3.6 SUMMARY OF ITEMS REQUIRED

Item	Quantity Required
Toilet and Flush Valve	2
Urinal and Flush Valve	1
Bathroom Sink and Faucet	2

Item	Quantity Required
Showerhead and Controls	2
Sanitary Napkin Disposal	1
Garment Hook	4
Mirror	2
ADA Grab Bar 18" Shower	2
ADA Grab Bar L-shape 16"x32" Shower	2
ADA Grab Bar 36" Toilet	2
ADA Grab Bar 42" Toilet	2
Locker Room Bench	4
Toilet Paper Dispenser	2
Shower Curtain Rod and Curtain	2
ADA bathroom signs	4

3.7 EXISTING HEIGHT OF BATHROOM FIXTURES (RIM) ABOVE FLOOR

Fixture	Existing height of rim above finished floor (inches)	Fixture height or rim requires alteration
Men's Toilet	20	yes
Men's sink	34.5	yes
Urinal	24	yes
Women's sink	33.5	no
Women's Toilet	19	no

3.8 REQUIRED HEIGHT OF BATHROOM FIXTURES (RIM) ABOVE FLOOR

Modify fixtures and plumbing, as required, to conform with the heights listed below.

Fixture	Height of Rim above finished floor (inches)
Toilet	17 to 19

Fixture	Height of Rim above finished floor (inches)
Urinal	17
Sinks (lavatories)	34 maximum
Grab bars	33 to 36
Shower Seat	17 to 19

3.9 FLUSH VALVE - TOILET

Mount flush valves not less than **11 inches** above the fixture. Mounted height of flush valve shall not interfere with the ADA grab bars.

3.10 SHOWER CONTROLS

Relocate the shower controls, shower heads, and diverter to the adjacent wall, as shown on the drawings. Existing shower control location does not meet ADA requirements.

Install in accordance with the manufacturer's written installation instructions.

The area around the water supply piping to the mixing valves and behind the escutcheon plate shall be made watertight by caulking or gasketing.

3.11 ADA GRAB BARS

Grab bars shall comply with the American's with Disabilities Act (ADA) standards. Grab bars shall withstand a 250 pound force applied in any direction. Grab bars shall be installed 33 inches minimum and 36 inches maximum above the finish floor.

3.12 ADA SHOWER SEAT

Shower seat shall comply with the American's with Disabilities Act (ADA) standards. Shower seat shall withstand a 250 pound force applied horizontally or vertically.

3.13 SANITARY NAPKIN DISPOSAL

Provide a sanitary napkin disposal in the women's bathroom. Install in accordance with manufacturer's printed instructions.

3.14 GARMENT HOOK

Provide a garment hook within arms reach of each shower and inside each bathroom. Install garment hook in accordance with manufacturer's printed instructions.

3.15 MIRRORS

Install in accordance with manufacturer's printed instructions.

3.16 SHOWER CURTAIN

Provide a shower curtains and curtain rods.

3.17 PIPE INSULATION

The water supply and drain pipes under the bathroom sinks (lavatory) shall be insulated in accordance with American's with Disabilities Act (ADA) standards.

3.18 LOCKER ROOM BENCH

Provide locker room benches in the bathrooms.

3.19 ADA BATHROOM SIGNS

Provide a gender sign on the changing room doors and walls outside, and adjacent to, the changing room doors.

3.20 ITEMS TO BE REUSED

Remove and reinstall the soap dispensers and paper towel holders.

3.21 CLEANING

Clean toilet fixtures and accessories after installation.

-- End of Section --

SECTION 22 00 10

PLUMBING

PART 1 GENERAL

1.1 GENERAL

All plumbing work shall be in accordance with ICC IPC.

1.2 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

INTERNATIONAL CODE COUNCIL (ICC)

ICC IPC

(2021) International Plumbing Code

PART 2 PRODUCTS

2.1 COPPER PIPE

Copper pipe shall be used for all water supply. No other types are allowed.

PART 3 EXECUTION

3.1 INSTALLATION

Furnish all labor and materials and perform all operations necessary for the installation of complete and operating plumbing systems.

3.2 WORKMANSHIP

Perform work in accordance with good commercial practice. The appearance of the finished work shall be of importance. All components shall be installed cleanly in a professional manner; where exposed, components shall be installed at right angles parallel to building walls while being high and tight as possible to structure.

-- End of Section --

SECTION 22 00 30

PLUMBING FIXTURES - WAREHOUSE STORAGE AREA

PART 1 GENERAL

1.1 SECTION SUMMARY

Provide a utility sink, eye wash station, and repair or replace a water valve in the warehouse storage area.

1.2 GENERAL

All plumbing work shall be in accordance with ICC IPC. Water and sewer for the utility sink and eye wash station may be installed exposed (not required to be installed inside the wall separating the offices from the warehouse).

1.3 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

INTERNATIONAL CODE COUNCIL (ICC)

ICC IPC

(2021) International Plumbing Code

1.4 SUBMITTALS

Government approval is required for submittals with a "G" designation; Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Utility Sink; G

laboratory Faucet With Integrated Emergency Eye Wash; G

PART 2 PRODUCTS

2.1 UTILITY SINK

Structural thermoplastic floor mount utility sink. Minimum dimensions of 22 inch wide, 20 inch front to rear, and 12 inches deep. Provide faucet.

2.2 LABORATORY FAUCET WITH INTEGRATED EMERGENCY EYE WASH

Provide a laboratory faucet with integrated emergency eye wash. For the eye wash, provide a thermostatic mixing valve in accordance with ASSE 1071 and ANSI Z358.1. Basis of design: Speakman SEF.

PART 3 EXECUTION

3.1 WATER VALVE REPAIR

Repair, or replace, the existing water valve that is adjacent to the existing mop sink.

3.2 UTILITY SINK

Provide hot and cold water to the utility sink. Provide water supply shut off valves. Provide sewer to the utility sink. Firmly secure the utility sink to the wall and floor. Provide a laboratory faucet with integrated emergency eye wash. Install in accordance with the manufacturer's written installation instructions. Check for leaks. Demonstrate proper function.

-- End of Section --

SECTION 23 81 10

ROOFTOP AIR CONDITIONING UNIT

PART 1 GENERAL

1.1 SECTION SUMMARY

Replace the existing rooftop air conditioning unit (RTU).

1.2 EXISTING ROOF PENETRATION (ROOF CURB)

Existing roof is a standing seam metal roof. The size of the existing roof penetration (roof curb) at the existing RTU is approximately 3 feet by 6 feet.

1.3 EXISTING ROOFTOP AIR CONDITIONING UNIT (RTU)

Existing rooftop air conditioning unit (RTU) has the following properties:

Lennox GCS4E-311-90A-1P.

Voltage: 208/230 single phase.

BTU input = 90,000.

R-22 Refrigerant.

Natural gas.

1.4 SUBMITTALS

Government approval is required for submittals with a "G" designation; Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Rooftop Air Conditioning Unit; G

PART 2 PRODUCTS

2.1 ROOFTOP AIR CONDITIONING UNIT (RTU)

Contractor shall propose a replacement rooftop air conditioning unit (RTU). Government review is only on the contractor proposed RTU characteristics. Contractor is responsible for determining compatibility with the existing roof curb, electric, and gas service.

2.1.1 ROOFTOP AIR CONDITIONING UNIT (RTU) CHARACTERISTICS

Provide a packaged rooftop gas/electric unit, with a nominal 3-ton electric cooling capacity with dual-stage (two-stage) cooling operation, and minimum 90,000 Btu / hr natural gas heating input.

Refrigerant shall be R-454B (A2L compliant). Unit shall be factory-packaged, UL-listed, with fully integrated gas furnace, direct expansion cooling section, supply fan, and controls. Unit shall provide a minimum of 1,200 cfm of nominal supply air. Unit shall include factory economizer with barometric relief, outdoor air intake hood, and filter section.

Contractor shall provide a TRANE, Carrier, Lennox, or Government-approved equivalent.

2.1.2 ROOF CURB

Contractor shall be responsible for finding a RTU that is compatible with the existing roof curb. Or shall provide a new roof curb that is compatible with the contractor proposed RTU.

2.1.3 ELECTRIC AND GAS SERVICE

Contractor shall investigate the existing electric and gas service to determine an appropriate replacement RTU. Contractor may change electric service to three phase, or increase gas supply as needed to be compatible with the contractor proposed replacement RTU.

PART 3 EXECUTION

3.1 EXISTING AIR DUCT CLEANING

Clean the HVAC air ducts using "Source Removal" mechanical agitation and extraction cleaning methods designed to extract contaminants from within the HVAC ducts. Incorporate the use of vacuum collection devices that are operated continuously during cleaning.

3.2 REMOVAL OF EXISTING ROOFTOP AIR CONDITIONING UNIT (RTU)

Dispose of refrigerant in accordance with section 02 84 50 HAZARDOUS MATERIAL REMOVAL. Existing RTU shall become property of the contractor and disposed of in accordance with section 02 41 00 DEMOLITION.

3.3 INSTALLATION

Install RTU level. Secure RTU to the building's structural supports. Install in accordance with manufacturer's recommendations.

3.4 AIR DUCT CONNECTIONS

Connect the replacement RTU to the existing supply and return air ducts.

3.5 WEATHERPROOFING

Provide weather tight connection between roof and RTU. Provide metal roofing, metal flashing, caulk, and other materials as necessary.

3.6 THERMOSTAT

Provide a seven day programable thermostat. Provide thermostat operation and programing manual.

3.7 TESTING

After installation of RTU, test and verify that the RTU is operating in accordance with the manufacturer's recommendations.

3.8 DEMONSTRATION AND TRAINING

Train Bureau of Land Management's maintenance mechanic to properly operate the RTU and program the thermostat.

3.9 RTU SYSTEM MAINTENANCE

Service and maintain the RTU two times in the 18 months after completion of the project, one in January, one in July. Complete the following:

Verify RTU unit is functioning properly, in accordance with manufacturer's recommendations.

Clean and maintain RTU in accordance with manufacturer's recommendations.

Test thermostat, reprogram thermostat as requested.

Check for leaks in the roof where RTU is installed.

Correct, fix, or repair any part of the RTU, including the roof penetration, that is not functioning properly.

-- End of Section --

SECTION 25 56 20

LUMINAIRES

PART 1 GENERAL

1.1 SECTION SUMMARY

Replace luminaires in the warehouse, bathrooms, offices, hallway, and hazmat room. Install additional luminaires in the warehouse.

1.2 QUANTITY OF LUMINAIRES

TYPE	QUANTITY
Warehouse Luminaire Replacement	12
Warehouse Luminaire Addition	2
Warehouse Luminaire Replacement - Above and Below Mezzanine	15
Office Luminaire Replacement	7
Can Light Luminaire Replacement	9

1.3 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 70

(2020; ERTA 20-1 2020; ERTA 20-2 2020; TIA 20-1; TIA 20-2; TIA 20-3; TIA 20-4)
National Electrical Code

1.4 SUBMITTALS

Government approval is required for submittals with a "G" designation; Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Warehouse Luminaires; G

Warehouse Luminaire - Above And Below Mezzanine; G

Office And Changing Room Luminaire; G

Can Light Replacement Luminaire; G

PART 2 PRODUCTS

2.1 WAREHOUSE LUMINAIRES

Luminaire replacement and addition in the warehouse:

Manufacturer: PrimeLights. <https://www.primelights.com/>
Model: Stingray 8 lamp. Generation 2. Clear tubes.
Model # PL-6SRHBLD132XLFM.

"Or Equal" luminaire replacement and addition in the warehouse shall have the following characteristics:

Minimum lumen output of 28,800 lumens per fixture.
Minimum L70 lumen maintenance value of 50,000 hours.
Wide beam angle.
Color Rendering Index (CRI) of 80 or higher.
Correlated Color Temperature (CCT) of 4000K or higher.
Trade Agreement Act (TAA) compliant, Made in North America.

2.2 WAREHOUSE LUMINAIRE - ABOVE AND BELOW MEZZANINE

Luminaire replacement in the warehouse above and below the mezzanine:

Manufacturer: PrimeLights. <https://www.primelights.com/>
Model: Stingray 4 lamp. Model # PL-4SRHBLD88FM. Clear glass.

"Or Equal" luminaire replacement in the warehouse, above and below the mezzanine, shall have the following characteristics:

Minimum lumen output of 14,400 lumens per fixture.
Minimum L70 lumen maintenance value of 50,000 hours.
Wide beam angle.
Color Rendering Index (CRI) of 80 or higher.
Correlated Color Temperature (CCT) of 5,000K or higher.
Made in the USA.

2.3 OFFICE AND CHANGING ROOM LUMINAIRE

Luminaire replacement in the changing rooms and offices:

Manufacturer: PrimeLights. <https://www.primelights.com/>
High-Performance 4' LED Surface Mount Wrap Light 40W - 4,556 Lumens - Dimmable

"Or Equal" luminaire replacement in the changing rooms and offices shall have the following characteristics:

Minimum lumen output of 4,500 lumens per fixture.
Minimum L70 lumen maintenance value of 50,000 hours.
Wide beam angle.
Color Rendering Index (CRI) of 80 or higher.
Correlated Color Temperature (CCT) of 5,000K or higher.
Dimmable.
Flush mount on ceiling.

2.4 CAN LIGHT REPLACEMENT LUMINAIRE

Existing can light luminaire replacement:

Manufacturer: PrimeLights. <https://www.primelights.com/>
Energetic lighting 6" downlight

Model Number: E4DL6N17E83040

"Or Equal" existing can light luminaire replacement in the hallway shall have the following characteristics:

Minimum lumen output of 1,650 lumens per fixture.

Minimum L70 lumen maintenance value of 50,000 hours.

Color Rendering Index (CRI) of 80 or higher.

Correlated Color Temperature (CCT) of 5,000K or higher.

Suitable for damp location.

Insulation Contact (IC) rated.

PART 3 EXECUTION

3.1 LUMINAIRE REPLACEMENT

Replace luminaires. Provide structural support as necessary for a secure installation. Connect to existing electrical wiring in accordance with NFPA 70.

3.2 LUMINAIRE ADDITION

Provide structural support as necessary for a secure installation. Provide electrical service in accordance with NFPA 70. There is no electrical service to the proposed luminaire locations.

-- End of Section --

SECTION 26 10 00

ELECTRICAL WORK - GENERAL

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 70

2023 National Electrical Code

NFPA 70E

(2024) Standard for Electrical Safety in the Workplace

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

3.1 GENERAL

Complete all electrical work in accordance with NFPA 70 and NFPA 70E.

Provide all labor and materials and perform all operations necessary for the installation of complete and operating electrical systems. Including the completion of such electrical details not mentioned or shown which are necessary for the successful operation of all systems.

3.2 INSTALLATION

Furnish all labor and materials and perform all operations necessary for the installation of complete and operating electrical systems. Install electrical systems and components level, plumb, and parallel and perpendicular to other building systems and components.

3.3 WORKMANSHIP

Perform work in accordance with good commercial practice. The good appearance of the finished work shall be of equal importance with its functional performance.

3.4 CONDUITS

Run all wire in conduit. Conduit inside the warehouse shall be Electrical Metal Tubing (EMT).

Ensure that conduit runs between outlet and outlet, between fitting and fitting, or between outlet and fitting does not contain more than the equivalent of three 90-degree bends, including those bends located immediately at the outlet or fitting.

3.5 RECEPTACLE ADDITIONS

Receptacles shall be GFCI protected NEMA 5-20R outlets unless stated otherwise.

3.6 SUMMARY OF NEW ELECTRIC SERVICE

Location	Description	Quantity
Warehouse	Receptacle - New	8
Warehouse	Receptacle - Relocate	1
Warehouse	Receptacle - Modify	1
Warehouse	Overhead Door	1
Warehouse	Luminaire Addition	2

-- End of Section --

SECTION 26 80 00

PHOTOVOLTAIC SYSTEM REPAIR

PART 1 GENERAL

1.1 SECTION SUMMARY

Replace inverter on the existing photovoltaic system.

1.2 PHOTOVOLTAIC ASSESSMENT REPORT

The BLM has a condition assessment report of the photovoltaic system dated April 9, 2025. The report is included as a reference to this project.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Photovoltaic Inverter; G

SD-06 Test Reports

system Analysis; G

PART 2 PRODUCTS

2.1 PHOTOVOLTAIC INVERTER

Sunny Tripower CORE1 33-US. Sunny Tri-power 33kW inverter.

PART 3 EXECUTION

3.1 INVERTER REPLACEMENT

Remove existing inverter in accordance with 02 41 00 DEMOLITION. Install the inverter in accordance with the manufacturer's written installation instructions. Provide all accessories required for a complete installation. Install in accordance with section 26 10 00 ELECTRICAL WORK - GENERAL.

3.2 SYSTEM ANALYSIS

Contractor shall assume that the existing photovoltaic system will function after replacing the inverter. Replacement of solar panels is not required. Test all solar panels for proper function. Notify the Contracting Officer's Representative of test results. Bypass or disconnect any malfunctioning solar panels. Demonstrate the inverter is working properly.

-- End of Section --