MONTANA FISH, WILDLIFE & PARKS **Fort Owen East Barracks Preservation** Stevensville, Montana **Issued for Bid** April 14, 2022

Project #22-08









South Elevation North Elevation

East Elevation

Project Location LOCATION MAP Not to Scale



Not to Scale



VICINITY MAP

GENERAL PROJECT NOTES

- THE FORT OWEN STATE PARK IS LISTED INDIVIDUALLY IN THE NATIONAL REGISTER OF HISTORIC PLACES. THE GENERAL CONTRACTOR SHALL FOLLOW THE SECRETARY OF THE INTERIOR'S STANDARDS FOR PRESERVATION FOR ALL WORK PERFORMED ON THE EAST BARRACKS. THE INTENT IS TO SAVE AS MUCH ORIGINAL ADOBE AND MORTAR AS POSSIBLE. WHILE STABILIZING THE BUILDING AND PREVENTING WATER
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL DIGGING ON SITE WITH MONTANA FISH WILDLIFE & PARK'S ARCHAEOLOGIST & CONSULTANT.
- THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY STRUCTURAL BRACING AND/OR SHORING AS REQUIRED TO SUPPORT THE WORK AND PROTECT THE
- THE GENERAL CONTRACTOR SHALL PROTECT ALL SURFACES TO REMAIN.
- ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS, INCLUDING BUT NOT LIMITED TO, THE 2018 INTERNATIONAL EXISTING BUILDING CODE - CHAPTER 3 FOR REPAIRS.
- DO NOT SCALE THE DRAWINGS. VERIFY ALL DIMENSIONS IN THE FIELD. CONTACT THE ARCHITECT FOR FURTHER CLARIFICATION.
- THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY INCONSISTENCIES OR DISCREPANCIES IN THE DRAWINGS AND/OR SPECIFICATIONS. ALL WORK SHOWN ON THESE DRAWINGS IS NEW UNLESS OTHERWISE INDICATED.
- ALL MATERIALS SHOWN ON THESE DRAWINGS ARE EXISTING UNLESS OTHERWISE
- SEE SHEET 3 FOR TERMINOLOGY AND DEFINITIONS SPECIFIC TO THIS PROJECT.
- THIS PROJECT IS BEING BID WITH THREE ALTERNATE BIDS IN ADDITION TO THE BASE A. ALT. NO. 1: REMOVE CONCRETE APRON AND PROVIDE REPLICA ADOBE FACES ALONG
- LENGTH OF EAST WALL. SEE DETAILS 1 & 2, SHEET 7. B. ALT. NO. 2: REPLACE DETERIORATED ADOBE AT BASE OF INTERIOR WALLS IN ROOM
- #100 & #103. SEE DETAILS 1 & 2, SHEET 7.
- C. ALT. NO. 3: PROVIDE NEW LOW-SLOPED RAMP AT ENTRY. SEE DETAILS 2 & 5, SHEET 10.

MONTANA FISH, WILDLIFE AND PARKS DESIGN AND CONSTRUCTION

MAILING ADDRESS: PO BOX 200701

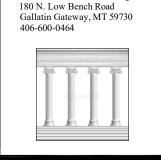
PHYSICAL ADDRESS: 1522 9th AVENUE

HELENA, MT 59620-0701 HELENA, MT 59601

TEL 406.841.4000 FAX 406.841.4004

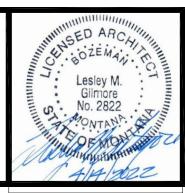
https://fwp.mt.gov/aboutfwp/design-and-construction





Gilmore Franzen Consulting LLC

DRAWING LIST 6.....WEST, NORTH & SOUTH ELEVATIONS 7......DETAILS - ALTERNATES NO. 1 & 2 SITE PLAN .TERMINOLOGY & CROSS SECTION ...DETAILS AND ALTERNATE NO. 3

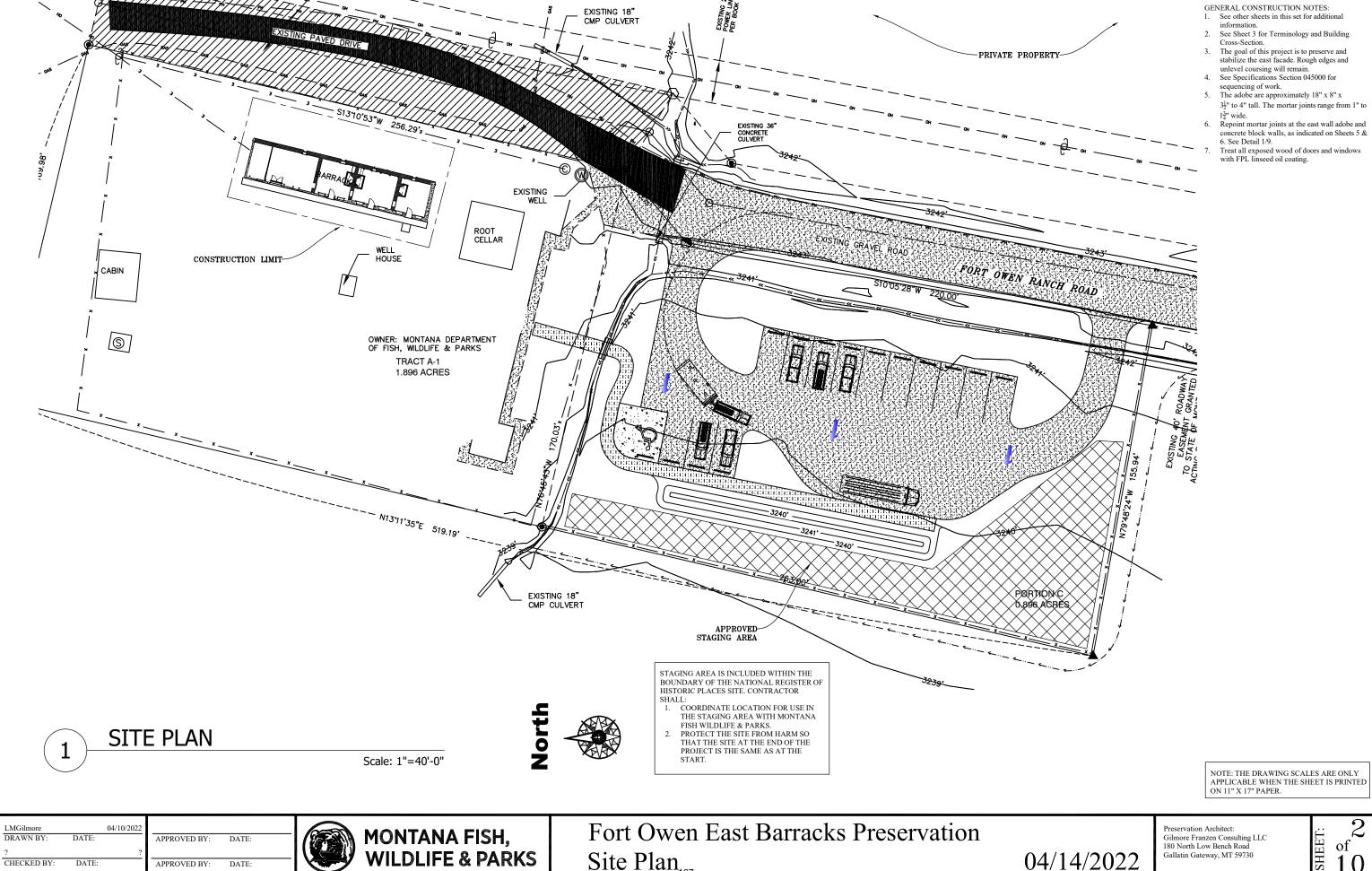


LMGilmore		04/10/2022
DRAWN BY:	DATE:	
?		?
CHECKED BY:	DATE:	-

APPROVED BY: APPROVED BY: APPROVED BY:



Fort Owen East Barracks Preservation Cover Sheet Project #22-08



Site Plan₁₆₇

CHECKED BY:

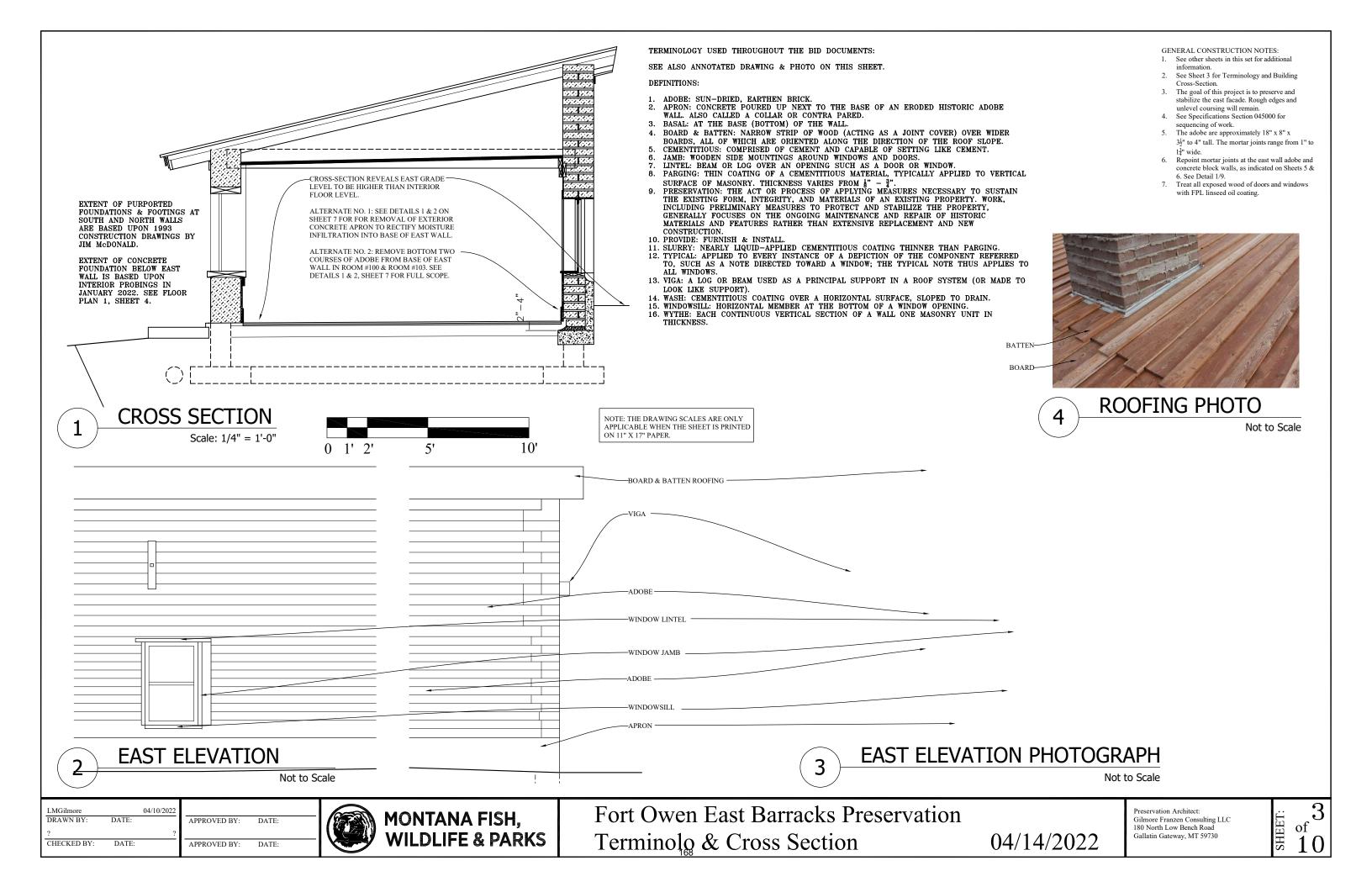
DATE:

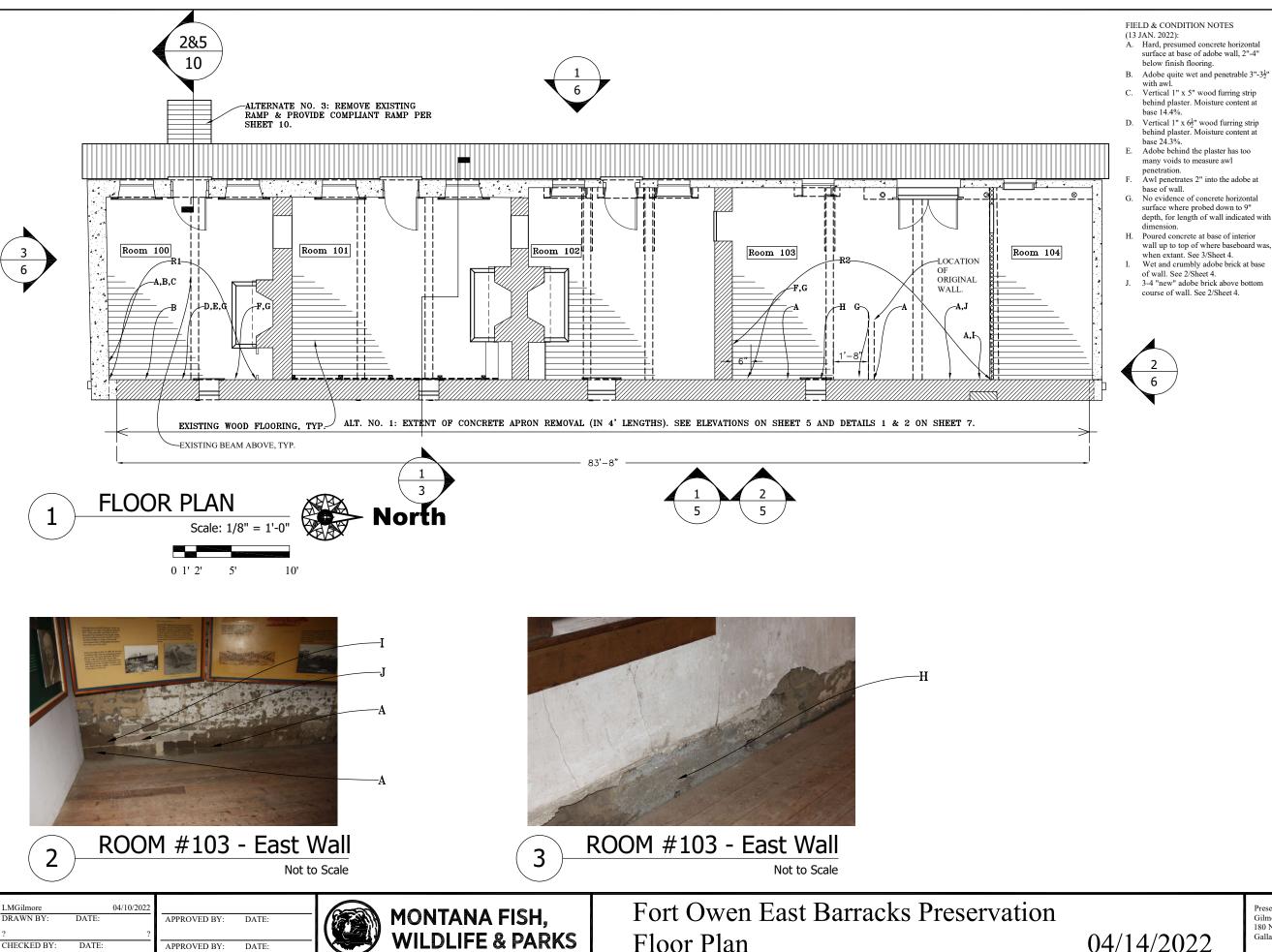
APPROVED BY:

04/14/2022

Gilmore Franzen Consulting LLC 180 North Low Bench Road Gallatin Gateway, MT 59730

SHEET:
of
10





DRAWN BY

CHECKED BY:

DATE:

APPROVED BY:

APPROVED BY:

DATE:

Fort Owen East Barracks Preservation Floor Plan

Gilmore Franzen Consulting LLC 180 North Low Bench Road

SHEET: Gallatin Gateway, MT 59730

04/14/2022

NOTE: THE DRAWING SCALES ARE ONLY APPLICABLE WHEN THE SHEET IS PRINTED ON 11" X 17" PAPER.

GENERAL CONSTRUCTION NOTES:

unlevel coursing will remain. See Specifications Section 045000 for

with FPL linseed oil coating.

sequencing of work.

6. See Detail 1/9.

information.

 $1\frac{3}{4}$ " wide.

Cross-Section.

See other sheets in this set for additional

See Sheet 3 for Terminology and Building

The goal of this project is to preserve and stabilize the east facade. Rough edges and

The adobe are approximately 18" x 8" x

 $3\frac{1}{2}$ " to 4" tall. The mortar joints range from 1" to

Repoint mortar joints at the east wall adobe and

Treat all exposed wood of doors and windows

R1. FOR FULL LENGTH OF WALL IN ROOM SHOWN: REMOVE EXISTING

WOOD BASEBOARD & SET ASIDE

FOR REINSTALLATION, SAWCUT

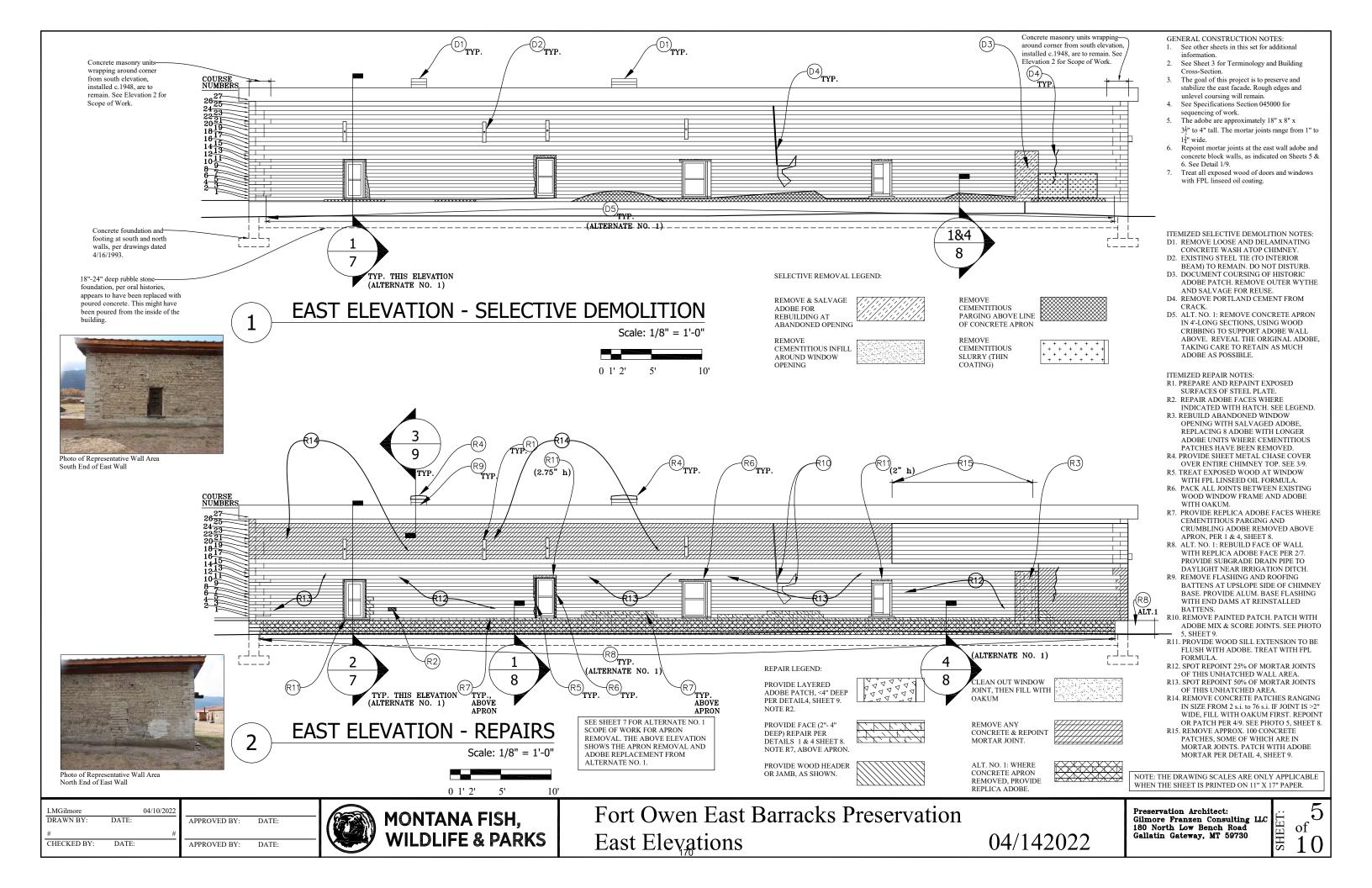
NON-ORIGINAL PLASTER 4" ABOVE

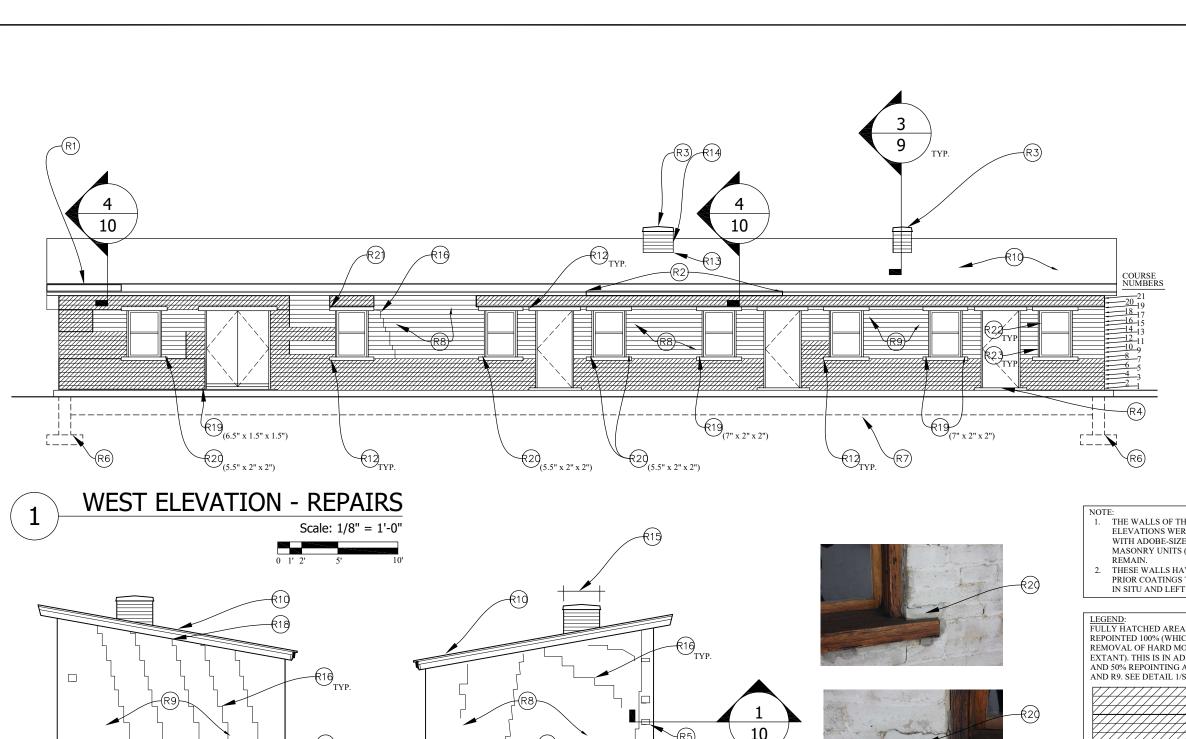
TOP OF BASEBOARD AND DISCARD. REMOVE DETERIORATED ADOBE FROM INNER WYTHE AT BOTTOM TWO COURSES OF WALL. PROVIDE REPLICA ADOBE FACES FOR

REQUIRED DEPTH. PATCH PLASTER TO BLEND WITH EXISTING, PAINT. AND REINSTALL BASEBOARD. R2. FOR FULL LENGTH OF WALL IN ROOM SHOWN: REMOVE

DETERIORATED ADOBE FROM INNER WYTHE AT BOTTOM TWO COURSES OF WALL. PROVIDE REPLICA ADOBE FACES FOR REQUIRED DEPTH.

concrete block walls, as indicated on Sheets 5 &





SOUTH ELEV. - REPAIRS

- THE WALLS OF THESE THREE ELEVATIONS WERE RECONSTRUCTED WITH ADOBE-SIZED CONCRETE MASONRY UNITS (CMU) THAT ARE TO
- THESE WALLS HAVE REMNANTS OF PRIOR COATINGS THAT ARE TO REMAIN IN SITU AND LEFT TO DELAMINATE.

LEGEND: FULLY HATCHED AREAS ARE TO BE REPOINTED 100% (WHICH INCLUDES REMOVAL OF HARD MORTAR, WHERE EXTANT). THIS IS IN ADDITION TO THE 20% AND 50% REPOINTING AREAS PER NOTES R8 AND R9. SEE DETAIL 1/SHEET 9.

04/14/2022

- GENERAL CONSTRUCTION NOTES:
- 1. See other sheets in this set for additional
- 2. See Sheet 3 for Terminology and Building
- The goal of this project is to preserve and stabilize the east facade. Rough edges and unlevel coursing will remain.
- See Specifications Section 045000 for sequencing of work.
- The adobe are approximately 18" x 8" x $3\frac{1}{2}$ " to 4" tall. The mortar joints range from 1" to $1\frac{3}{4}$ " wide.
- concrete block walls, as indicated on Sheets 5 & 6. See Detail 1/9.
- Treat all exposed wood of doors and windows with FPL linseed oil coating.

ITEMIZED REPAIR NOTES:

- R1. PROVIDE MID-FASCIA WHERE SHOWN
- MISSING.
 R2. REMOVE EXISTING ROTTING FASCIA AND FASCIA BOARD.
 R3. PROVIDE SHEET METAL CHASE COVER
- OVER ENTIRE CHIMNEYCAP.
- R4. ALTERNATE SCOPE OF WORK TO REPLACE RAMP. SEE 2&5/10. R5. REPLACE WOOD VIGA.
- R6. CONCRETE FOUNDATION & FOOTING ALONG SOUTH & NORTH WALLS, PER 4/16/1993 DRAWING BY JIM McDONALD. FOUNDATION & FOOTINGS EXTENDED TO WALL CORNERS.
- R7. POSSIBLE LOCATION OF 3'-WIDE, 18"-DEEP COBBLE OR CONCRETE FOUNDATION.
- R8. EXISTING CONCRETE BLOCK WALL. REPOINT 20% OF MORTAR JOINTS OF THIS UNHATCHED WALL AREA.
 R9. EXISTING CONCRETE BLOCK WALL.
- REPOINT 50% OF MORTAR JOINTS IN THIS UNHATCHED WALL AREA.
- R10 EXISTING WOOD BOARD-AND-BATTEN ROOF AND FASCIA. NO WORK REQUIRED UNLESS NOTED OTHERWISE
- R11. POSSIBLE EXISTING FRENCH DRAIN TILE, AS REPORTED IN 1976 McDONALD REPORT.
- R12. REPOINT JOINTS ADJACENT TO ALL LINTELS AND SILLS BETWEEN WOOD AND
- R13. SEAL OPEN MITER JOINT OF COUNTER FLASHING.
- R14. SEAL PINHOLE IN SEALANT JOINT ALONG TOP OF COUNTER FLASHING. R15. REMOVE SEALANT ATOP COUNTER
- FLASHING. ALSO REMOVE CONCRETE MORTAR TO FACE OF CONCRETE BLOCK AS REOUIRED TO HAVE ROOM FOR SEALANT. PROVIDE BACKER ROD AND SEALANT ALONG LENGTH OF JOINT.
- R16. REPOINT THE CRACK, TYP. R17. PROVIDE BRICK VENT IN EXISTING
- OPENING, RESIZING AS REQUIRED FOR OPTIMAL FIT. SPECIFICATIONS: GREENHECK BVE $16\frac{1}{2}$ " w x $4\frac{3}{4}$ " h x 4" d. EXTRUDED ALUMINUM WITH KYNAR FINISH TO MATCH THE BLOCK. 16X18 MESH ALUMINUM SCREEN WITH
- R18. MORTAR IN THE UPPERMOST JOINTS BETWEEN THE ROOF BEAMS IS TO REMAIN IN PLACE.
- R19. PROVIDE CMU FACE INFILL (SIZE). SEE PHOTOS AT 4/6. R20. REMOVE CMU & REINSTALL AFTER
- SHAPING TO FIT (SIZE). SEE PHOTOS AT 4/6.
- R21. PATCH WITH OAKUM (AS BACKER ROD) AND MORTAR.
- R22. TREAT EXPOSED WOOD AT WINDOW WITH FPL LINSEED OIL FORMULA.
- R23. PACK ALL JOINTS BETWEEN EXISTING WOOD WINDOW FRAME AND CONCRETE BLOCK WITH OAKUM.

NOTE: THE DRAWING SCALES ARE ONLY APPLICABLE WHEN THE SHEET IS PRINTED ON 11" X 17" PAPER.

LMGilmore 04/10/2022 CHECKED BY: DATE:



NORTH ELEV. - REPAIRS

APPROVED BY:

APPROVED BY:

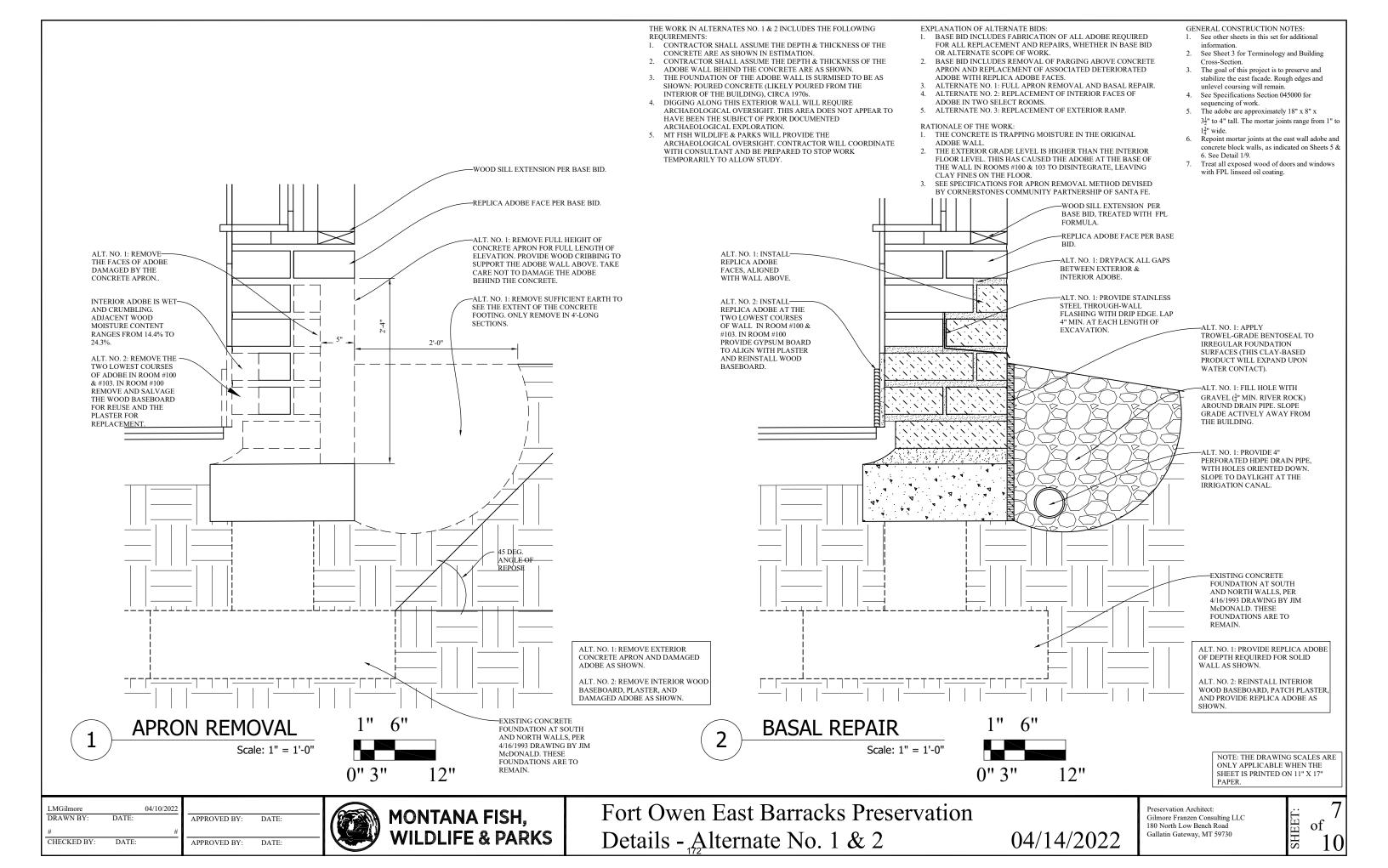
MONTANA FISH, WILDLIFE & PARKS

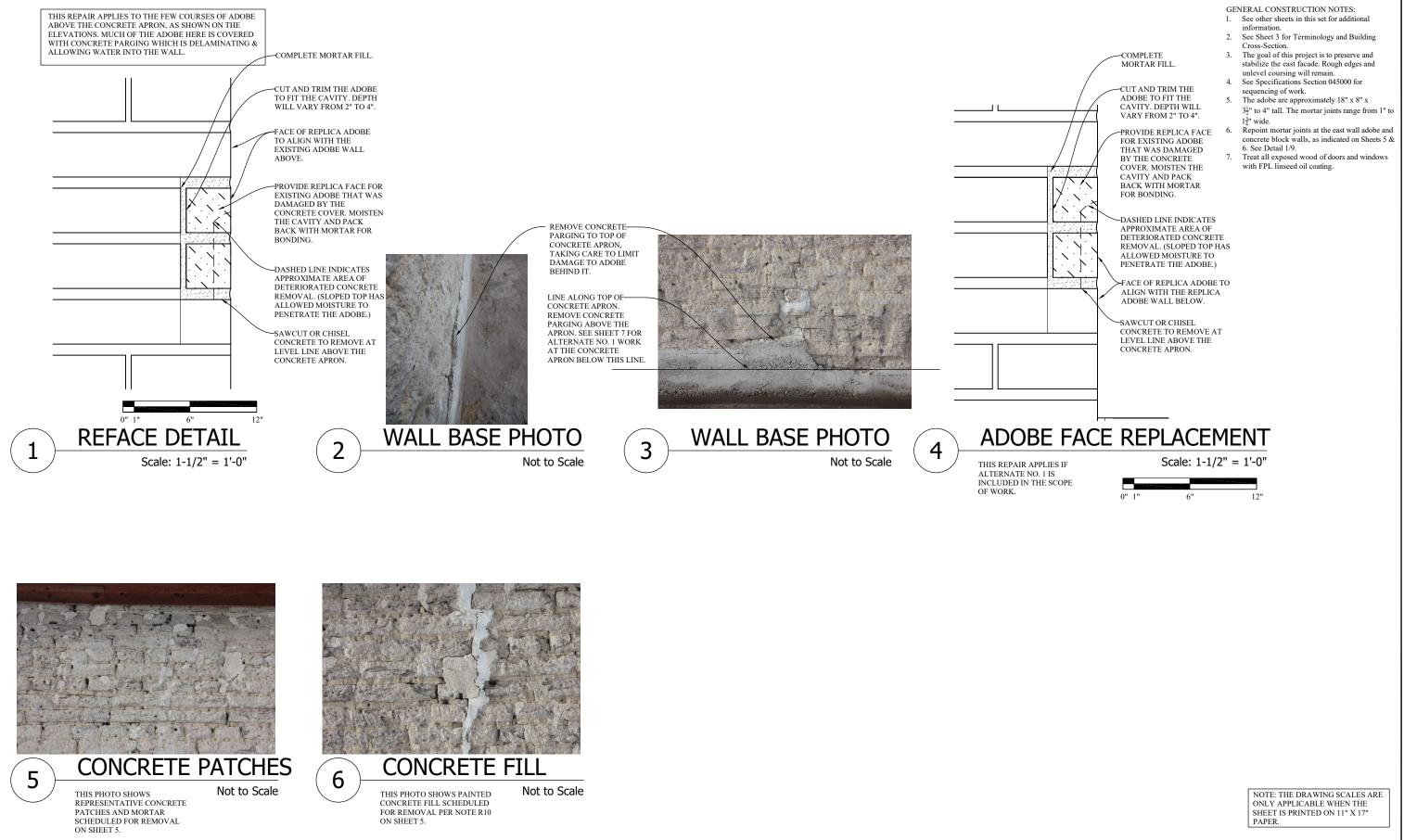
Fort Owen East Barracks Preservation West, North and South Elevations

JAMB PHOTOS

Not to Scale

Gilmore Franzen Consulting LLC 180 North Low Bench Road Gallatin Gateway, MT 59730





MONTANA FISH, Fort Owen East Barracks Preservation Details

173

LMGilmore

DRAWN BY

CHECKED BY:

04/10/2022

DATE:

APPROVED BY:

APPROVED BY:

DATE:

Preservation Architect: Gilmore Franzen Consulting LLC 180 North Low Bench Road Gallatin Gateway, MT 59730

04/14/2022

