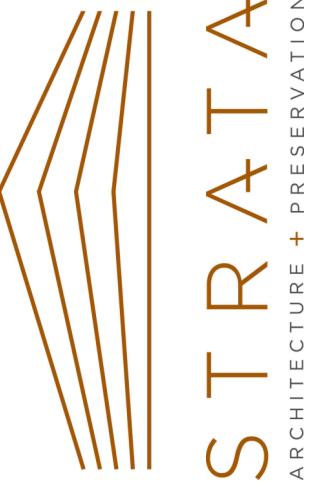




# 1872 NEOSHO COLORED SCHOOL REHABILITATION

639 Young St  
Neosho, MO, 64850  
CONSTRUCTION DOCUMENTS - BIDDING  
11/24/2025

**OWNER:**  
CARVER BIRTHPLACE ASSOCIATION  
LANA HENRY, CHAIRPERSON  
CARVERBIRTHPLACE@GMAIL.COM  
417-324-4151  
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Kansas City, MO 64108

**Mechanical/Electrical/Plumbing**  
Hoss & Brown Engineers  
15902 Midland Drive  
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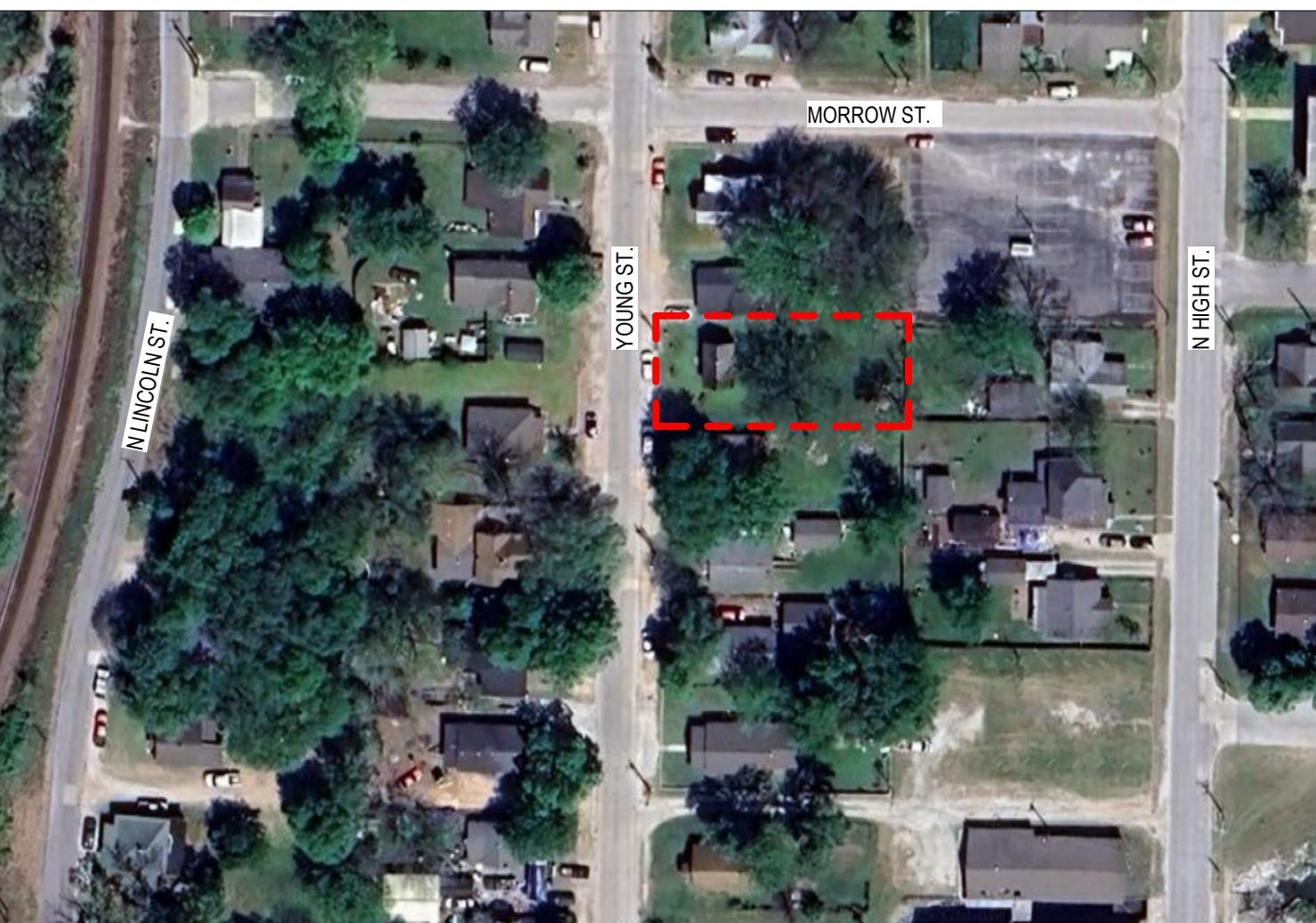
## PROJECT OVERVIEW

THE PROJECT REPRESENTS THE FINAL PHASE OF THE HISTORIC BUILDING REHABILITATION OF THE 1872 NEOSHO COLORED SCHOOL. THIS PHASE INCLUDES WORK TO THE EXTERIOR AND INTERIOR TO ALLOW FOR THE HISTORIC SCHOOL TO HAVE VISITOR INTERPRETATION. THIS INCLUDES ADA-ACCESSIBILITY UPDATES; NEW SECURITY, MECHANICAL, ELECTRICAL AND PLUMBING IMPROVEMENTS; AND THE RESTORATION OF HISTORIC INTERIOR FINISHES.

THE SCOPE OF WORK INCLUDES THE FOLLOWING AND ALL LABOR, MATERIALS, AND EQUIPMENT FOR A COMPLETE PROJECT:

- MINOR RE-GRADING AND SITE DRAINAGE
- CONSTRUCTION OF NEW ADA ACCESSIBLE RAMP AND WALKWAYS
- REPLACEMENT OF SELECT EXTERIOR DETERIORATED LAP SIDING AND TRIM
- REPAIR OF WOOD WINDOW SILL
- REPLACEMENT OF WOOD FRONT DOOR, SILL, JAMBS, AND TRIM
- WIDENING BACK DOOR OPENING AND PROVIDING REPLICA HISTORIC WOOD JAMBS, TRIM, AND SILL
- NEW LOUVERED CRAWLSPACE ACCESS HATCH
- SELECTIVE DEMOLITION OF NON-ORIGINAL INTERIOR FEATURES (STAIR, LOWERED CEILING, PARTITION WALL, ETC.)
- RESTORATION AND REPAIRS TO WOOD FLOORING
- PRESERVATION, REPAIRS, AND LIMITED REPLACEMENT OF HISTORIC LATH AND PLASTER
- INSTALLATION OF NEW BLUEBOARD AND SKIM COAT PLASTER CEILING
- STRUCTURAL STABILIZATION
- STRIPPING PAINT AND WALLPAPER FROM WOOD AND PLASTER SURFACES
- RESTORATION AND REPLICATION OF HISTORIC WOOD INTERIOR TRIM
- INTEGRATION OF NEW MECHANICAL SYSTEMS FOR HEATING AND COOLING
- RELOCATION OF INTERIOR ELECTRICAL PANEL AND INTEGRATION OF NEW ELECTRICAL DISTRIBUTION, INCLUDING LIGHTING AND RECEPTACLES ON EXTERIOR AND INTERIOR
- INSTALLATION OF NEW EXTERIOR WATER HYDRANT
- NEW SECURITY SYSTEM (ALARM AND FIRE)
- NEW TRIM/HOOD SERVICE
- INSTALLATION OF NEW ACCESS DOOR AND LADDER TO ATTIC
- REPLICA BEADED BOARD CABINETS WITH DOORS
- INTERIOR PAINTING
- INSTALLATION OF ANTIQUE POT BELLY HEATING STOVE

## VICINITY MAP



## PROJECT BACKGROUND

THE 1872 NEOSHO COLORED SCHOOL WAS LISTED IN THE NATIONAL REGISTER OF HISTORIC PLACES IN 2017, FOLLOWING AN EXTENSIVE PHASE I REHABILITATION PROJECT.

THE SCHOOL IS IMPORTANT FOR ITS ASSOCIATION WITH GEORGE WASHINGTON CARVER, ITS IMPORTANT EARLY ROLE IN AFRICAN AMERICAN EDUCATION IN NEOSHO, AND ITS SIGNIFICANCE IN AFRICAN AMERICAN ETHNIC HERITAGE. THE SCHOOL RETAINS ITS HISTORICAL SIGNIFICANCE AS A RECONSTRUCTION-ERA AFRICAN AMERICAN SCHOOL AND AS THE FIRST PUBLIC DOCUMENTED EDUCATIONAL INSTITUTION OF LEARNING AT ANY LENGTH BY GEORGE WASHINGTON CARVER.

THE PHASED REHABILITATION OF THE SCHOOL HAS BEEN ONGOING SINCE 2006, LED BY THE CARVER BIRTHPLACE ASSOCIATION (CBA) WITH PARTNERSHIP SUPPORT BY THE NATIONAL PARK SERVICE MIDWEST REGIONAL OFFICE AND THE NEARBY GEORGE WASHINGTON CARVER NATIONAL MONUMENT IN DIAMOND, MISSOURI.

PREVIOUS PROJECTS INCLUDED:

- HISTORIC STRUCTURE REPORT DEVELOPED BY THE NATIONAL PARK SERVICE AND STRATA ARCHITECTURE INC.
- HISTORIC MAPS PHASE I REHABILITATION AND FOLLOW-UP PROJECTS. THIS WORK INCLUDED SELECTIVE REMOVAL OF ADDITIONS, PORCHES, AND EXTERIOR WOODEN ELEMENTS; STABILIZATION OF STRUCTURAL FRAME; INSTALLATION OF NEW CONCRETE AND STONE FOUNDATION; RESTORATION OF EXTERIOR SIDING AND TRIM; INSTALLATION OF REPLICA WOOD WINDOWS AND DOOR; NEW PERIOD-APPROPRIATE WOOD SHINGLE ROOF; RECONSTRUCTED BRICK CHIMNEY; NEW ELECTRICAL SERVICE; AND RELATED WORK.

THIS PHASE WILL COMPLETE THE TREATMENT RECOMMENDATIONS DEVELOPED IN THE HISTORIC STRUCTURE REPORT, SO THAT THE HISTORIC SCHOOL CAN BE OPEN FOR INTERPRETATION FOR VISITORS.

## GRANT MANAGEMENT AND FUNDING NOTICE

THE SCHOOL BUILDING IS OWNED BY THE CARVER BIRTHPLACE ASSOCIATION (CBA), WITH THE GRANTS ADMINISTERED LOCALLY BY THE HARRY S TRUMAN COORDINATING COUNCIL.

THIS PROJECT IS PARTIALLY FUNDED BY A GRANT FROM THE AFRICAN AMERICAN CULTURAL HERITAGE ACTION FUND OF THE NATIONAL TRUST FOR HISTORIC PRESERVATION WITH SUPPORT FROM THE JPB FOUNDATION.

THIS MATERIAL WAS PRODUCED WITH ASSISTANCE FROM THE HISTORIC PRESERVATION FUND, ADMINISTERED BY THE NATIONAL PARK SERVICE, DEPARTMENT OF THE INTERIOR, OF THE U.S. GOVERNMENT, AND THE MISSOURI DEPARTMENT OF NATURAL RESOURCES, STATE HISTORIC PRESERVATION OFFICE. ANY OPINIONS, FINDINGS, AND CONCLUSIONS OR RECOMMENDATIONS EXPRESS IN THIS MATERIAL ARE THOSE OF THOSE OF THE AUTHOR(S) AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE DEPARTMENT OF THE INTERIOR OR THE DEPARTMENT OF NATURAL RESOURCES, STATE HISTORIC PRESERVATION OFFICE, NOR DOES THE MENTION OF THE TRADE NAMES OR COMMERCIAL PRODUCTS CONSTITUTE ENDORSEMENT OR RECOMMENDATION.

THIS MATERIAL WAS PRODUCED WITH ASSISTANCE FROM THE HISTORIC PRESERVATION FUND, ADMINISTERED BY THE NATIONAL PARK SERVICE, DEPARTMENT OF THE INTERIOR, UNDER GRANT NUMBER P24AP00770-00. ANY OPINIONS, FINDINGS, AND CONCLUSIONS OR RECOMMENDATIONS EXPRESSED IN THIS MATERIAL ARE THOSE OF THE AUTHOR(S) AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE DEPARTMENT OF THE INTERIOR.

AS SUCH, ALL WORK MUST BE CARRIED OUT:

- CONTRACTOR SHALL ADHERE TO ALL LOCAL LAWS, REGULATIONS, AND CODES, AS APPLICABLE.
- PERFORM ALL WORK IN ACCORDANCE WITH THE SECRETARY OF THE INTERIOR'S STANDARDS AND GUIDELINES FOR ARCHAEOLOGY AND HISTORIC PRESERVATION AND THE NATIONAL HISTORIC PRESERVATION ACT.

## GENERAL NOTES

- A. THE PROJECT MANUAL AND SPECIFICATIONS ARE PART OF THE OVERALL CONSTRUCTION AND BID DOCUMENTS. REFER TO ALL SPECIFICATIONS IN CONJUNCTION WITH THE DRAWINGS.
- B. WORK OUTLINED IN THE SPECIFICATIONS AND NOT SHOWN ON THE DRAWINGS, OR SHOWN IN THE DRAWINGS AND NOT OUTLINED IN THE SPECIFICATIONS, SHALL BE OF LIKE EFFECT AS IF SHOWN IN BOTH. IN THE CASE OF DIFFERENCE BETWEEN DRAWINGS AND SPECIFICATIONS, THE SPECIFICATIONS SHALL GOVERN.
- C. IN CASE OF DISCREPANCY IN THE DRAWINGS OR SPECIFICATIONS, THE MATTER SHALL BE PROMPTLY SUBMITTED TO THE ARCHITECT IN WRITING FOR A DETERMINATION. ANY ADJUSTMENT BY THE CONTRACTOR WITHOUT SUCH A DETERMINATION SHALL BE AT THEIR OWN RISK AND EXPENSE.
- D. THE ARCHITECT SHALL FURNISH FROM TIME TO TIME SUCH DETAILED DRAWINGS OR OTHER INFORMATION AS CONSIDERED NECESSARY OR AS REQUESTED BY THE CONTRACTOR. THESE DRAWINGS BECOME PART OF THE CONSTRUCTION DRAWINGS AND THEREFORE THE SCOPE OF WORK FOR THE PROJECT.
- E. DO NOT SCALE FROM THE DRAWINGS. ALL DIMENSIONS ARE APPROXIMATE. ACTUAL FIELD VERIFIED DIMENSIONS ARE TO BE OBTAINED BY THE CONTRACTOR OR SUBCONTRACTORS BEFORE SUBMITTING SHOP DRAWINGS, ORDERING MATERIALS, OR THE COMMENCEMENT OF CONSTRUCTION.
- F. THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OF ANY DISCREPANCIES THAT VARY FROM THE CONTRACT DOCUMENTS, INCLUDING CONSTRUCTION DRAWINGS.
- G. THE CONTRACTOR IS TO INCLUDE ALL ITEMS, MATERIALS, LABOR, EQUIPMENT, AND SERVICES NECESSARY TO EXECUTE AND COMPLETE ALL THE WORK INCLUDED IN THE CONSTRUCTION DOCUMENTS.
- H. IT IS THE INTENT OF THIS CONTRACT THAT ALL AREAS AFFECTED BY CONSTRUCTION (BUILDING AND SITE) BE FINISHED, CLEANED, AND READY FOR OCCUPANCY BY THE OWNER AND VISITORS. CONTRACTOR SHALL CLEAN, PATCH, REPAIR, AND ADJUST ALL WORK AS REQUIRED TO ACHIEVE THIS FINISHED AND HABITABLE PROJECT.
- I. PATCH AND REPAIR EXISTING CONSTRUCTION AS REQUIRED, IN KIND, DUE TO DEMOLITION OR NEW CONSTRUCTION, REPAIRS OR REPLACEMENTS TO MATCH THE EXISTING MATERIAL IN PROPERTIES, TEXTURE, PROFILE, DIMENSION, FINISH, AND WHERE APPROPRIATE, SPECIES.
- J. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND PRESERVATION OF ALL EXISTING HISTORIC FINISHES. THEY ARE TO REPAIR AND CURE DRAWS, THROUGH PATCHES OR ATTACH ANYTHING TO THE HISTORIC FINISHES. THERE ARE QUESTIONS, CONSULT THE ARCHITECT PRIORITY. ANY WORK THAT MIGHT AFFECT EXISTING FINISHES OR MATERIALS, THESE INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: WOOD WANSCOTING AND CHAIR RAIL, INTERIOR AND EXTERIOR WOOD TRIM, HISTORIC WIDE WOOD FLOORING, BEADED BOARD WALLS AND FLOORING IN ATTIC, AND STRUCTURAL FRAMING.
- K. NO SUBSTITUTIONS OR SPECIFIED CONSTRUCTION ITEMS, EQUIPMENT, OR FINISHES WILL BE ALLOWED WITHOUT WRITTEN APPROVAL BY THE ARCHITECT.
- L. CONTRACTORS ARE SOLELY RESPONSIBLE FOR THE CONSTRUCTION PROCESS, MAINTAINING THE PROJECT SCHEDULE, MATERIAL VERIFICATION, AND ORDERING MATERIALS.
- M. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TEMPORARY SHORING DURING SELECTIVE DEMOLITION AND THROUGHOUT THE CONTRACT FOR ALL WORK.
- N. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SITE IN CLEAN AND ORDERLY CONDITION, INCLUDING MOWING THE SITE AND SNOW REMOVAL REQUIRED FOR CONSTRUCTION, THROUGHOUT THE CONTRACT.
- O. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL SHOP DRAWINGS AND SUBMITTALS WITH ALL TRADES AND FOR THE TIMELY SUBMITTAL AND APPROVAL OF SHOP DRAWINGS TO MAINTAIN THE PROJECT SCHEDULE.
- P. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY.
- Q. THE CONTRACTOR(S) SHALL BE LICENSED AND COMPLY AND CONSTRUCT IN CONFORMANCE WITH ALL GOVERNING LOCAL, STATE, COUNTY AND FEDERAL CODES, ORDINANCES, AND PROCEDURES.
- R. THE OWNER RESERVES THE RIGHT TO REMOVE ANY ITEMS FROM THE CONSTRUCTION AREA PRIOR TO THE START OF DEMOLITION WORK BY THE CONTRACTOR AND TO RETAIN SUCH ITEMS AS THEIR PROPERTY.
- S. ALL DEMOLITION DEBRIS IS TO BE TAKEN TO A LICENSED LANDFILL WITH WRITTEN RECEIPTS PROVIDED TO THE ARCHITECT.
- T. PLACEMENT OF ALL TEMPORARY FACILITIES, PARKING, FENCING AND DUMPSTER, SHALL BE APPROVED BY THE ARCHITECT AND CBA PRIOR TO PLACEMENT AND INITIAL CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF STREET PARKING WITH THE CITY. CONTRACTORS MAY NOT PARK ON THE PROPERTY PRIOR TO CONSTRUCTION.
- U. WORK THAT REQUIRES THE USE OF LOUD EQUIPMENT THAT WOULD CAUSE A DISTURBANCE TO THE NEIGHBORING PROPERTIES MUST BE COORDINATED WITH THE CBA AND AMPLE NOTICE GIVEN BY THE CONTRACTOR TO THE AFFECTED NEIGHBORING PARTIES. IN GENERAL, WORK SHOULD COMMENCE NO EARLIER THAN 7:30 AM AND BE COMPLETED BY 6:00 PM.
- V. IF THE UTILITIES TO NEIGHBORING PROPERTIES ARE TO BE TEMPORARILY INTERRUPTED AS PART OF THIS PROJECT, THE CONTRACTOR IS RESPONSIBLE FOR GIVING AT LEAST 4 DAYS' NOTICE TO AFFECTED PARTIES BY LEAVING A NOTICE AT EACH PROPERTY ON THE FRONT DOOR. THE NOTICE SHALL OUTLINE ANTICIPATED OUTAGE AND CONTACT INFORMATION FOR THE APPLICABLE UTILITY COMPANY AND THE GENERAL CONTRACTOR FOR DURING-HOURS AND AFTER-HOURS CONCERN.
- W. CONTRACTOR MAY USE ELECTRICITY THAT IS CURRENTLY ON SITE DURING CONSTRUCTION WITH NO ADDED COST TO THE CONTRACTOR. AS A MINIMUM, THE OWNER IS A NOT-FOR-PROFIT, AND CARE SHALL BE TAKEN BY THE CONTRACTOR TO ENSURE CONSERVATIVE USE OF ELECTRICITY THROUGHOUT THE PROJECT DURING WORKING HOURS. IT IS NOT THE INTENT TO PROVIDE ELECTRICITY TO A TEMPORARY WORK OFFICE OR OTHER SUCH SERVICES AFTER WORKING HOURS.
- X. ONCE THE NEW WATER SERVICE AND HYDRANT ARE INSTALLED, THE CONTRACTOR MAY USE WATER WITH NO ADDITIONAL COST TO THE CONTRACTOR. PLEASE BE MINDFUL THAT THE OWNER IS A NOT-FOR-PROFIT, AND CARE SHALL BE TAKEN BY THE CONTRACTOR TO ENSURE CONSERVATIVE USE OF THE WATER FOR USE ONLY FOR THIS PROJECT.
- Y. CONTRACTOR IS RESPONSIBLE FOR APPLICATION AND PAYMENT OF ALL UTILITY PERMITS AND ANY OTHER SUPPLEMENTAL PERMITS THAT MAY BE REQUIRED.
- Z. FOR THE PURPOSES OF THIS CONTRACT, ALL PAINTED SURFACES SHOULD BE CONSIDERED TO CONTAIN LEAD-BASED PAINT. ALL CONTRACTORS PERFORMING WORK WHICH WILL DISTURB ANY PAINT COATINGS (I.E. DEMOLITION OF PAINTED SURFACES, SANING, STRIPPING, CUTTING, PATCHING, ETC.) MUST HAVE RECEIVED TRAINING IN LEAD PAINT HAZARD REMOVAL AND HAVE A LEAD PAINT REMOVAL TRAINING PROVIDER. ALL WORK MUST BE IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION ADMINISTRATION STANDARDS FOR WORK WITH LEAD PAINT AND DISPOSAL OF LEAD-CONTAINING ITEMS. TREAT ALL NEW EXTERIOR MILLWORK, TRIM, DOORS, WINDOW COMPONENTS, SILLS, AND SIDING WITH AT LEAST ONE COAT OF WOODLIFE COPPERCOAT GREEN WOOD PRESERVATIVE, OR EQUAL, PRIOR TO PRIMING AND PAINTING.
- AA. CONTRACTOR TO PROVIDE SECURED AND WEATHERPROOF TEMPORARY PROTECTION FOR BUILDING THROUGHOUT CONSTRUCTION.

## SHEET INDEX

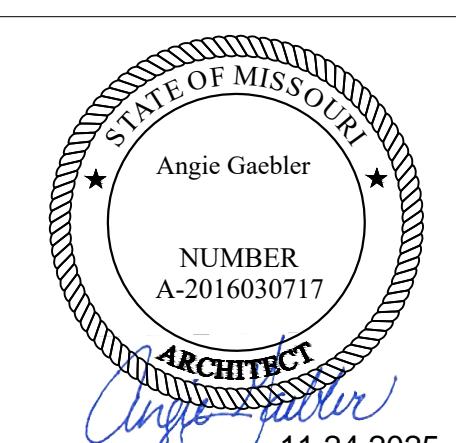
| ARCHITECTURAL  |                                     |
|----------------|-------------------------------------|
| 00 - GENERAL   |                                     |
| G001           | COVER SHEET                         |
| 01 - DEMO ARCH |                                     |
| AD100          | DEMOLITION FLOOR PLAN               |
| AD101          | DEMOLITION FLOOR PLAN               |
| AD150          | DEMOLITION REFLECTED CEILING PLANS  |
| AD200          | DEMOLITION ELEVATION                |
| AD400          | DEMOLITION INTERIOR ELEVATION       |
| AD401          | DEMOLITION INTERIOR ELEVATION       |
| 02 - NEW ARCH  |                                     |
| A001           | ARCHITECTURAL SITE PLAN             |
| A002           | CODE ANALYSIS                       |
| A003           | STANDARDS, SYMBOLS & LEGENDS        |
| A004           | DOOR & WINDOW SCHEDULE & TYPES      |
| A005           | FLOOR PLANS                         |
| A100           | FLOOR PLANS                         |
| A101           | REFLECTED CEILING PLANS & ROOF PLAN |
| A150           | ELEVATIONS                          |
| A200           | BUILDING SECTION                    |
| A300           | INTERIOR ELEVATIONS                 |
| A400           | INTERIOR ELEVATIONS                 |
| A401           | INTERIOR ELEVATIONS                 |
| A600           | RAMP ENLARGED DRAWINGS              |
| A601           | ARCHITECTURAL DETAILS               |
| A602           | MEP CABINET DETAILS                 |
| A603           | BRACKETED CHIMNEY DETAILS           |

| STRUCTURE               |                                 |
|-------------------------|---------------------------------|
| 01 - STRUCTURAL GENERAL |                                 |
| S100                    | GENERAL NOTES, PLAN AND DETAILS |

| MEP              |                                  |
|------------------|----------------------------------|
| 01 - MEP GENERAL |                                  |
| MPE001           | MPE SYMBOLS LEGEND               |
| MPE002           | MPE SPECIFICATIONS               |
| MPE101           | MPE SITE PLAN                    |
| 02 - MECHANICAL  |                                  |
| M101             | HVAC PLANS                       |
| M201             | MECHANICAL SCHEDULES AND DETAILS |
| 03 - ELECTRICAL  |                                  |
| E100             | LIGHTING RCP                     |
| E201             | POWER PLANS                      |

## 1872 NEOSHO COLORED SCHOOL REHABILITATION

639 Young St  
Neosho, MO, 64850



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REVISION & DATE:

COVER SHEET

SHEET NUMBER:

G001

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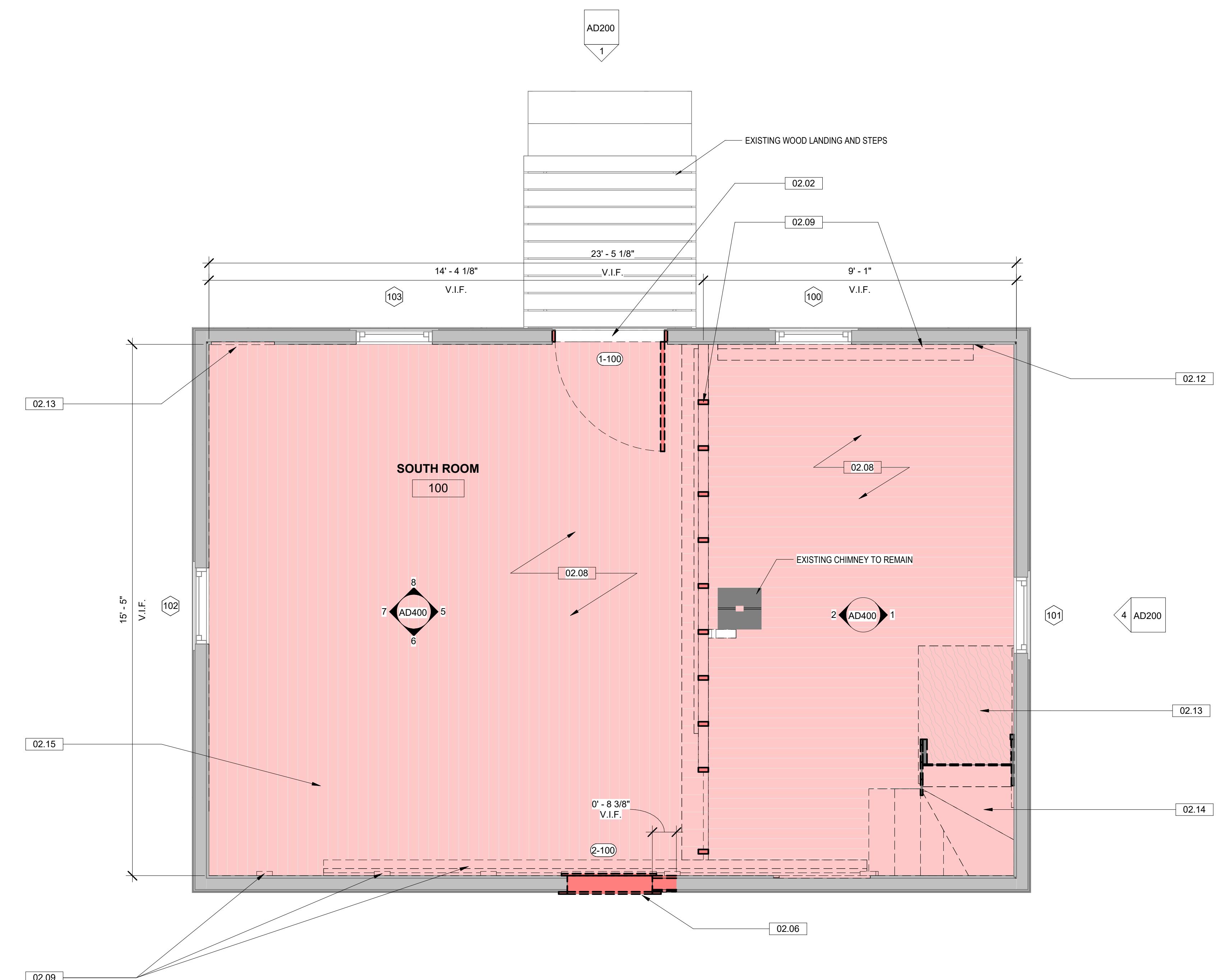
DATE: 11/24/2025  
REVISION & DATE:

DEMOLITION FLOOR PLAN

SHEET NUMBER:

AD100

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| Keynote Legend |  |
|----------------|--|
| Key Value      | Keynote Text   |
| 02.02          | FRONT DOOR (1-100) IS DETERIORATING AND IS TO BE REMOVED. CONTRACTOR RESPONSIBLE FOR TEMPORARY SECURED PROTECTION AT OPENING. DOOR TRIM, DOOR STOPS, AND DOOR THRESHOLD ARE TO BE REMOVED AND REPLACED. GENERAL CONTRACTOR RESPONSIBLE FOR TEMPORARY REMOVAL OF DOOR, DOOR TO BE REPAIRED BY CARPENTER OUTSIDE OF THIS CONTRACT. ALL OTHER WORK ASSOCIATED WITH THE THRESHOLD, JAMBS, AND TRIM ARE BY GENERAL CONTRACTOR AND ARE TO BE INCLUDED IN THIS BID.   |
| 02.06          | REMOVE DOOR INFILL (2-100) AND SELECTIVELY REMOVE AND SALVAGE EXTERIOR SIDING, EXTERIOR WALL FRAMING, AND INTERIOR FINISHES DIRECTLY NORTH OF THE OPENING TO WIDEN THE DOOR OPENING. CONTRACTOR TO PROVIDE SECURE TEMPORARY OPENING PROTECTION. TAKE CARE TO NOT DAMAGE HISTORIC INTERIOR FINISHES.  |
| 02.08          | REMOVE AND DISPOSE OF TOP LAYER OF WOOD FLOORING. REMOVE AND DISPOSE OF ANY LINOLEUM FLOORING AND ALL ASSOCIATED FASTENERS. REMOVE AND DISPOSE OF LOWER LEVEL OF NARROW WOOD FLOORING IN NORTH PORTION OF FIRST FLOOR. CAREFULLY SALVAGE ALL EXISTING HISTORIC WIDE WOOD FLOORING BOARDS FROM THE SOUTH PORTION OF THE FIRST FLOOR. THESE ARE TONGUE AND GROOVE AND ARE INSTALLED UNDER THE PERIMETER WAINGRASS. IF WOOD DOES NOT SLIDE OUT FROM UNDER WAINGRASS, CONTRACTOR TO CUT OFF WOOD FLOORING AT WAINGRASS. CONTRACTOR WITH FLUSH CUT TOE KICK SAW. GREAT CARE SHALL BE TAKEN TO NOT DAMAGE OR REMOVE TONGUES DURING REMOVAL OR TO DAMAGE OR GOUGE FACE OF HISTORIC WAINGRASS TO REMAIN. AFTER PALETTIZING, STORE IN A DRY AND SAFE LOCATION UNTIL REINSTALLATION. |
| 02.09          | REMOVE ALL TEMPORARY CONTEMPORARY DIMENSIONAL LUMBER THAT IS ATTACHED VERTICALLY OR HORIZONTALLY TO THE FLOOR OR WALL.   |
| 02.12          | ELECTRICAL PANEL IS TO BE REMOVED AND SALVAGED FOR RELOCATION. RE: ELECTRICAL  |
| 02.13          | REMOVE NONHISTORIC PLYWOOD INFILL WALL AND FLOOR PANELS.   |
| 02.14          | CAREFULLY REMOVE STAIRS AND ALL ASSOCIATED MATERIALS. PROTECT AND DO NOT DAMAGE HISTORIC PLASTER BELOW THE STAIRS. SEE NOTE ON PLASTER PROTECTION ON DRAWING A400.   |
| 02.15          | REMOVE ALL EXISTING LOOSE HISTORIC TRIM PRIOR TO CONSTRUCTION WORK. MATERIALS ARE TO BE DOCUMENTED AND PALETTIZED AND STORED IN A SECURE AND DRY LOCATION. TRIM TO BE REINSTALLED IN THEIR ORIGINAL LOCATION.  |

## DEMOLITION PLAN LEGEND

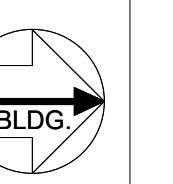
EXISTING MATERIAL - TO REMAIN

DEMOLISHED ITEM

DEMOLISHED MATERIAL DENOTED BY EITHER OF THE FOLLOWING:

DEMOLISHED MATERIAL

DEMOLISHED MATERIAL



# 1872 NEOSHO COLORED SCHOOL REHABILITATION

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## DEMOLITION FLOOR PLAN

**SHEET NUMBER:**

# AD101

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**1 DEMOLITION - ATTIC**

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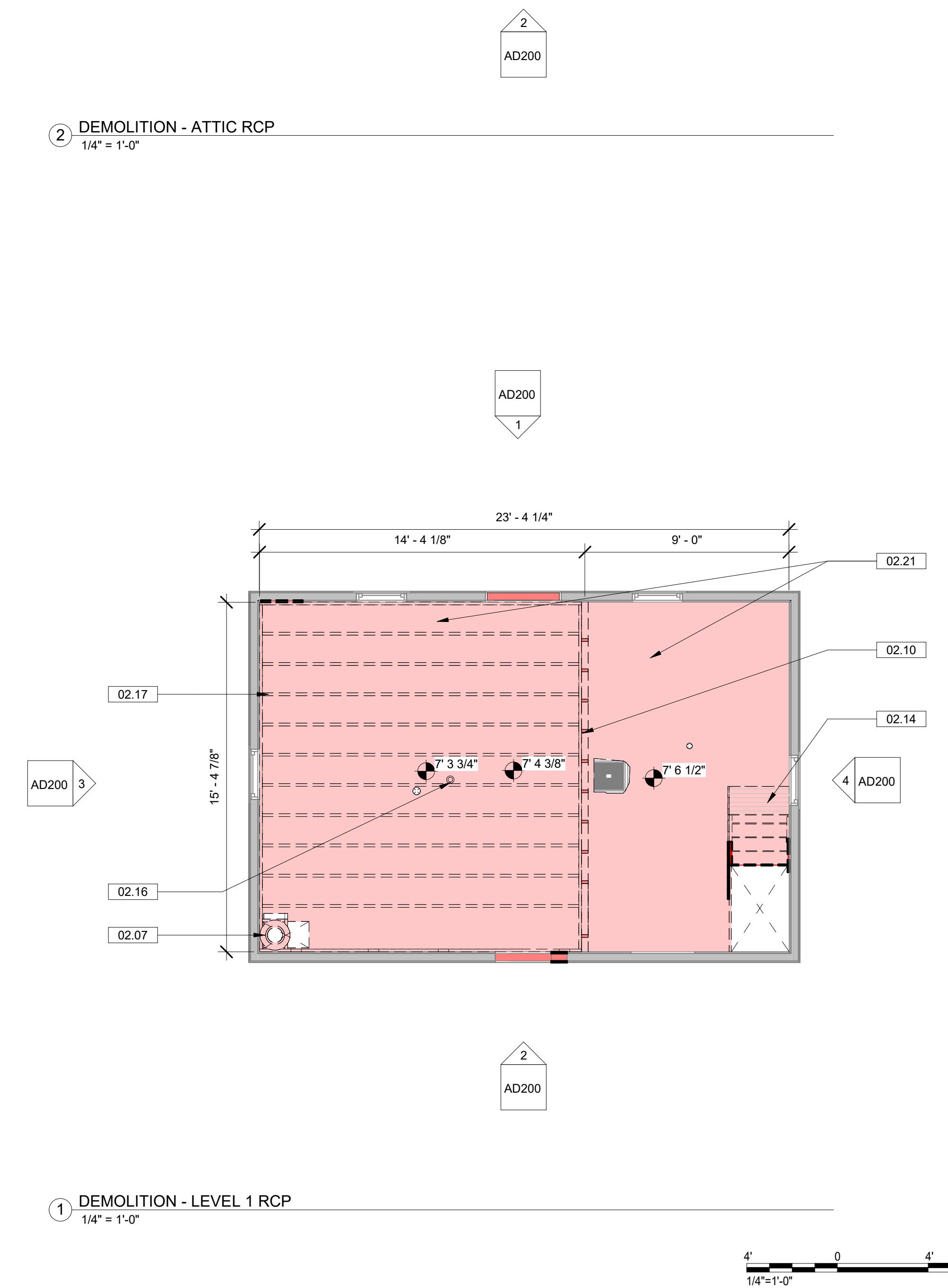
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## MOLITION REFLECTED LING PLANS

**STREET NUMBER:**

# AD150

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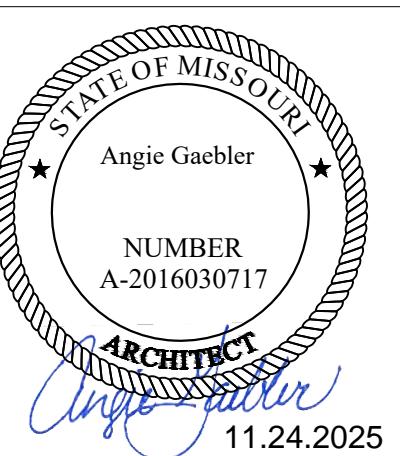
**Architect**  
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1701 Oak Street, Suite 100  
Kansas City, MO 64108

**Structural**  
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### DEMOLITION PLAN LEGEND

EXISTING MATERIAL - TO REMAIN

DEMOLISHED ITEM

DEMOLISHED MATERIAL DENOTED BY EITHER OF THE FOLLOWING:

DEMOLISHED MATERIAL

DEMOLISHED MATERIAL

SHEET NUMBER:

**AD200**

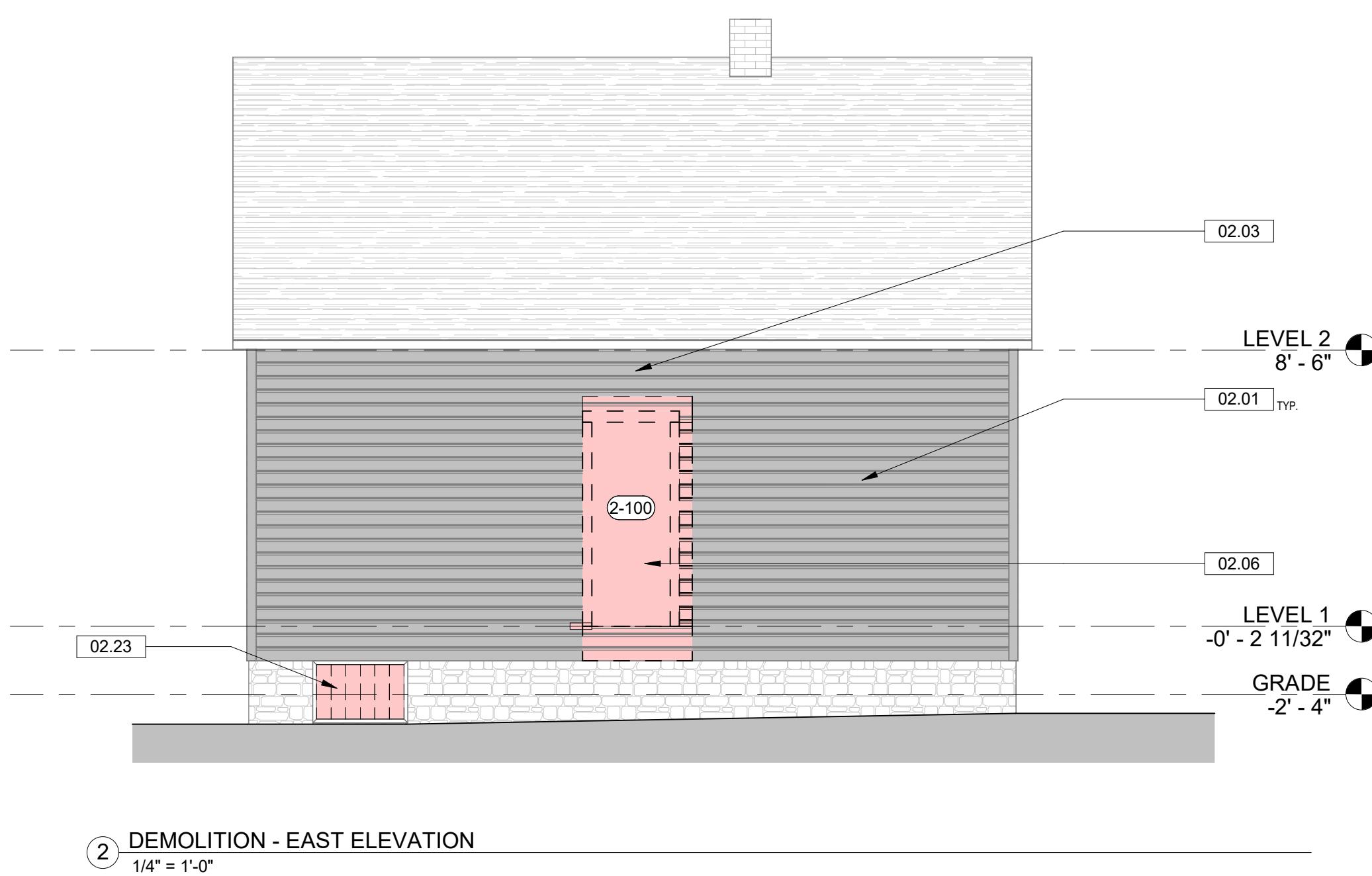
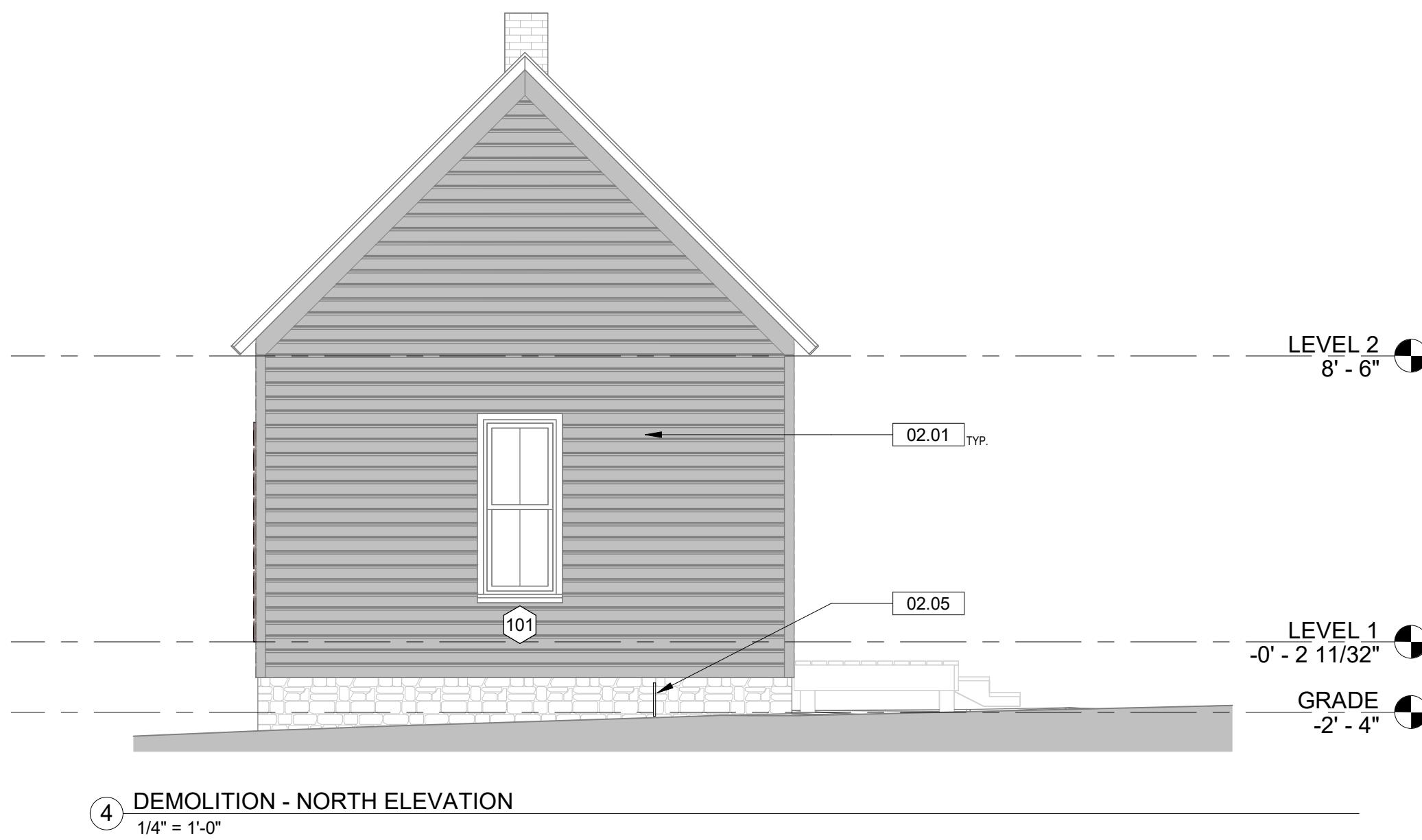
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### DEMOLITION GENERAL NOTES

A. RE-GRADING REQUIRED FOR RAMP AND NEW WALKWAY NOT SHOWN.

#### Keynote Legend

| Key Value  | Keynote Text   |
|------------|--|
| 02.01 TYP. | PAINT IS DETERIORATING ON HORIZONTAL SIDING. REMOVE LOOSE PAINT AND PREP FOR REPAINTING. APPROXIMATELY 225FT.  |
| 02.02      | FRONT DOOR (1-100) IS DETERIORATING AND IS THE RESPONSIBILITY OF THE OWNER. REMOVE AND SECURE DOOR STOP AT OPENING. DOOR TRIM, DOOR STOPS AND DOOR THRESHOLD ARE TO BE REMOVED AND REPLACED. GENERAL CONTRACTOR IS RESPONSIBLE FOR TEMPORARY REMOVAL OF DOOR. DOOR TO BE REPAIRED BY CARPENTER OUTSIDE OF THIS CONTRACT. ALL OTHER WORK ASSOCIATED WITH THE THRESHOLD, JAMBS, AND TRIM ARE BY GENERAL CONTRACTOR AND ARE TO BE INCLUDED IN THIS BID. |
| 02.03      | REMOVE INSECT NEST AND CLEAN WOOD.   |
| 02.04      | REMOVE EXISTING DETERIORATED CRACKED WOOD WINDOW SILL FOR REPLACEMENT.   |
| 02.05      | EXISTING ELECTRICAL SERVICE POINT OF ENTRY TO BE REMOVED AND RELOCATED RE: ELECTRICAL DRAWINGS.  |
| 02.06      | REMOVE DOOR INFILL (2-100) AND SELECTIVELY REMOVE AND SALVAGE EXTERIOR SIDING, EXTERIOR WALL FRAMING, AND INTERIOR FINISHES. DUE TO NARROWNESS OF THE OPENING TO WIDEN THE DOOR, GENERAL CONTRACTOR TO PROVIDE SECURE TEMPORARY OPENING PROTECTION. TAKE CARE TO NOT DAMAGE HISTORIC INTERIOR FINISHES.  |
| 02.23      | REMOVE EXISTING CRAWL SPACE HATCH AND ALL ASSOCIATED MATERIALS. INSTALL TEMPORARY SECURED ACCESS UNTIL REPLACEMENT CAN BE INSTALLED.   |
| 02.24      | REMOVE AND PREPARE FOR REPLACEMENT IN KIND EXISTING DETERIORATED HORIZONTAL SIDING.  |



4' 0' 4' 8'  
1/4" = 1'-0"

DATE: 11/24/2025

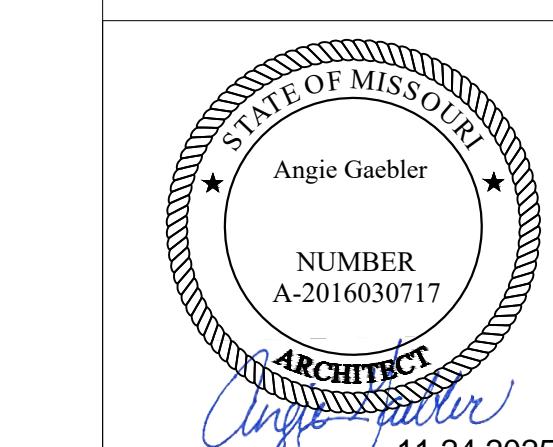
REVISION & DATE:

DEMOLITION ELEVATION

SHEET NUMBER:

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DEMOLITION INTERIOR ELEVATION

SHEET NUMBER:

AD400

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## DEMOLITION GENERAL NOTES

A. PROTECT ALL HISTORIC PLASTER AND WOODWORK TO REMAIN DURING DEMOLITION AND CONSTRUCTION ACTIVITIES.

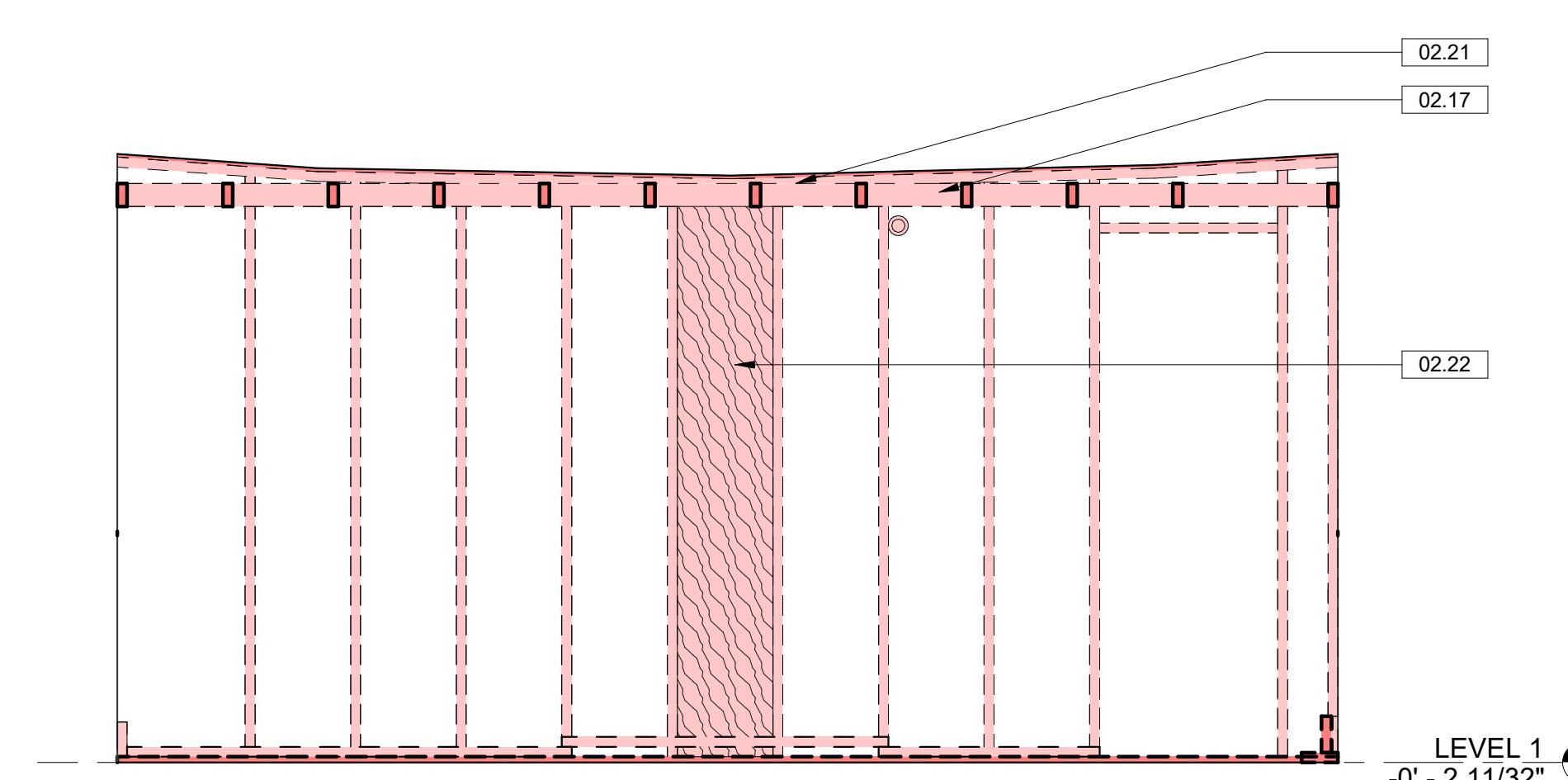
### Keynote Legend

| Key Value | Keynote Text  |
|-----------|---|
| 02.02     | FRONT DOOR (1-100) IS REPAIRING AND IS TO BE REMOVED CONTRACTOR RESPONSIBLE FOR TEMPORARY SECURED PROTECTION AT OPENING. DOOR TRIM, DOOR STOPS, AND DOOR THRESHOLD ARE TO BE REMOVED AND REPLACED. GENERAL CONTRACTOR RESPONSIBLE FOR TEMPORARY REMOVAL OF DOOR. DOOR TO BE REPAIRED BY CARPENTER OUTSIDE OF THIS CONTRACT. ALL OTHER WORK ASSOCIATED WITH THE THRESHOLD, JAMBS, AND TRIM ARE BY GENERAL CONTRACTOR AND ARE TO BE INCLUDED IN THIS BID. |
| 02.06     | REMOVE DOOR INFILL (2-100) AND SELECTIVELY REMOVE AND SALVAGE EXTERIOR SIDING, EXTERIOR WOOD FRAMING, AND INTERIOR FINISHES. DIRECTIONS NORTH ARE REFERRING TO WIDEN THE DOOR OPENING. CONTRACTOR TO PROVIDE SECURE TEMPORARY OPENING PROTECTION. TAKE CARE TO NOT DAMAGE HISTORIC INTERIOR FINISHES.   |
| 02.07     | REMOVE EXISTING CONTEMPORARY METAL CHIMNEY FLUE IN ITS ENTIRETY.  |
| 02.09     | REMOVE ALL TEMPORARY CONTEMPORARY DIMENSIONAL LUMBER THAT IS ATTACHED VERTICALLY OR HORIZONTALLY TO THE FLOOR OR WALL.  |
| 02.10     | REMOVE NONHISTORIC STUD WALL AND ALL ASSOCIATED FASTENERS AND MATERIALS.  |
| 02.12     | ELECTRICAL PANEL IS TO BE REMOVED AND SALVAGED FOR RELOCATION. RE-ELECTRICAL  |
| 02.13     | REMOVE NONHISTORIC PLYWOOD INFILL WALL AND FLOOR PANELS.  |
| 02.14     | CAREFULLY REMOVE STAIRS AND ALL ASSOCIATED MATERIALS. PROTECT AND DO NOT DAMAGE HISTORIC PLASTER BELOW THE STAIRS. SEE NOTE ON PLASTER PROTECTION ON DRAWING A400.  |
| 02.17     | REMOVE NONHISTORIC DROPPED CEILING FRAMING AND ALL ASSOCIATED MATERIALS.  |
| 02.19     | REMOVE ALL WALL PAPER FROM ALL PLASTER AND WOOD SURFACES CAREFULLY.   |
| 02.20     | CAREFULLY REMOVE LEAD PAINT FROM ALL PAINTED WAINSCOTTING AND INTERIOR TRIM SURFACES. DO NOT GOUGE OR DAMAGE HISTORIC WOOD SURFACES.  |
| 02.21     | CAREFULLY REMOVE ALL EXISTING LATH AND PLASTER CEILING FROM THE ENTIRE FIRST FLOOR TO REPAIR THE EXISTING CEILING STRUCTURE ABOVE.  |
| 02.22     | BRICK AND CONCRETE MASONRY UNIT CHIMNEY TO REMAIN. DO NOT DISTURB.  |
| 02.26     | STORED MATERIALS TO BE REMOVED FROM SITE AND STORED IN A SAFE AND DRY LOCATION. MATERIALS TO BE SORTED AND TAGGED FOR REFINISHING AND REINSTALLATION IN THE APPROPRIATE LOCATION.   |

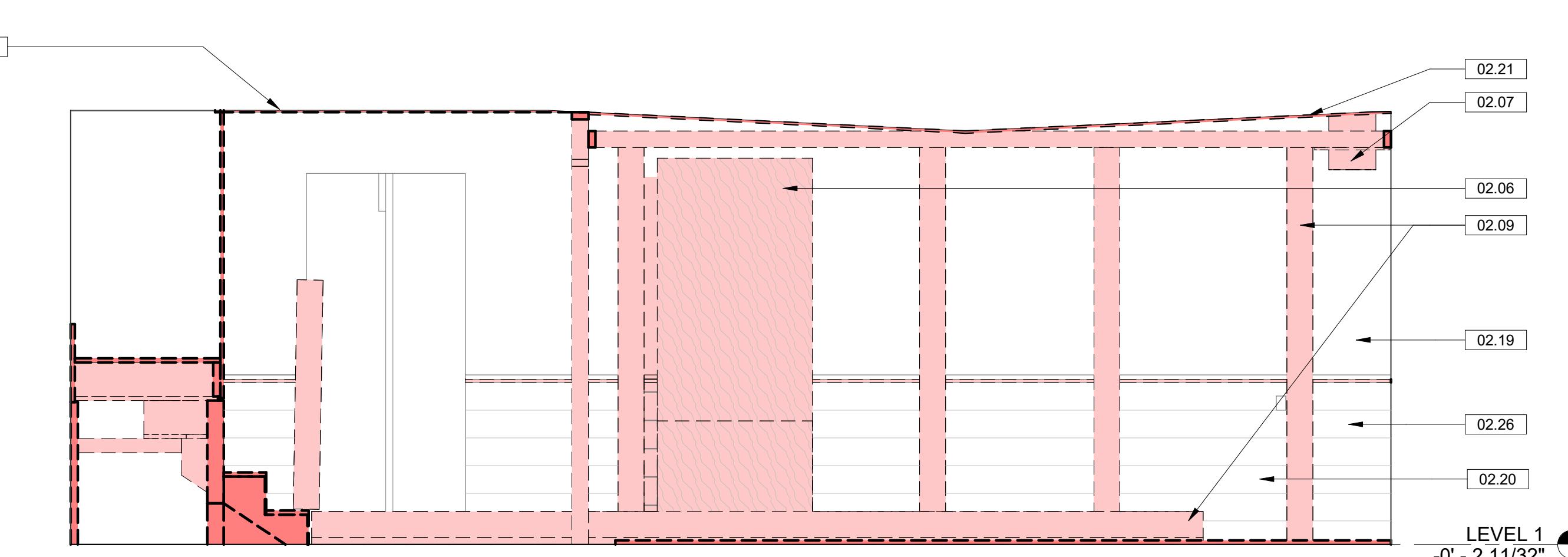
Architect  
STRATA Architecture, Inc., 1701 Oak Street, Suite 100 Kansas City, MO 64108

Structural  
Wallace Design Collective 1703 Wyandotte Street, Ste 200 Kansas City, MO 64108

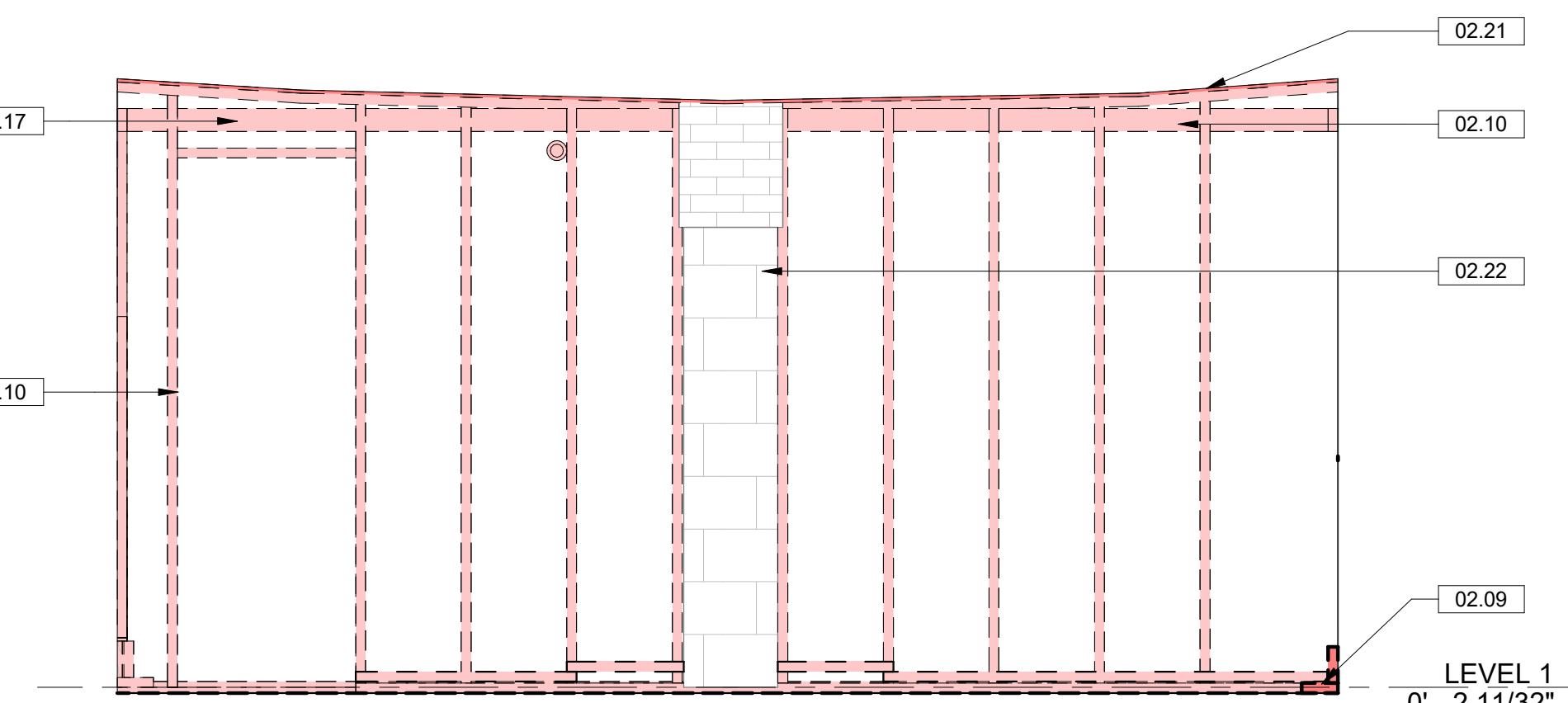
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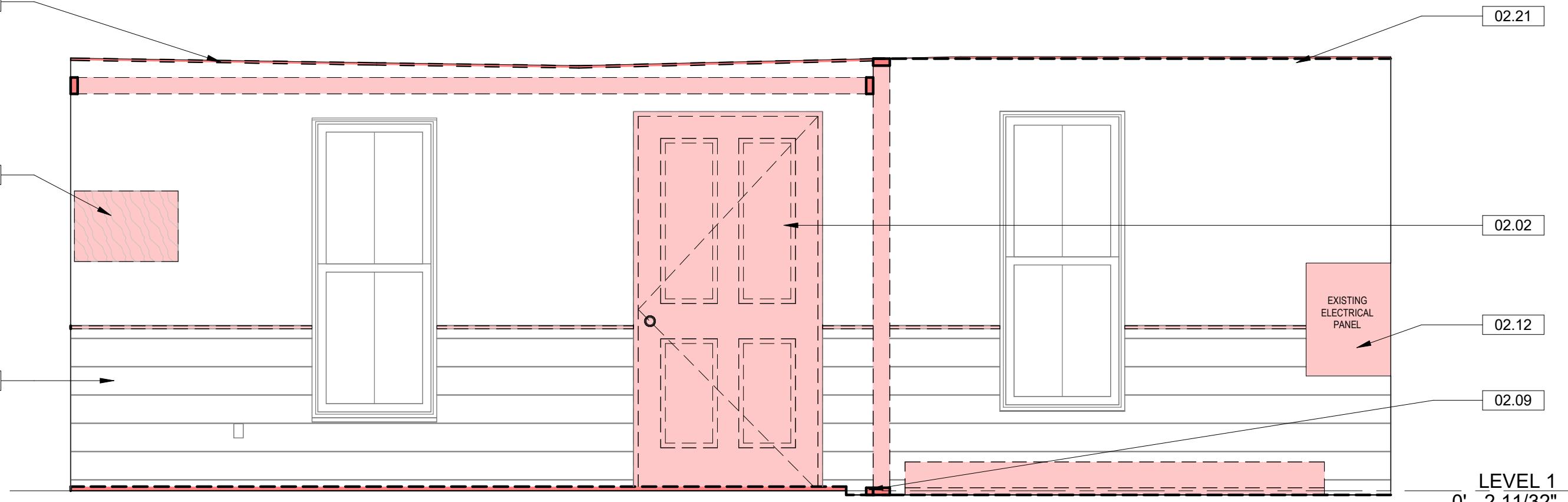
NORTH ENLARGED INTERIOR ELEVATION 2  
1/2" = 1'-0"



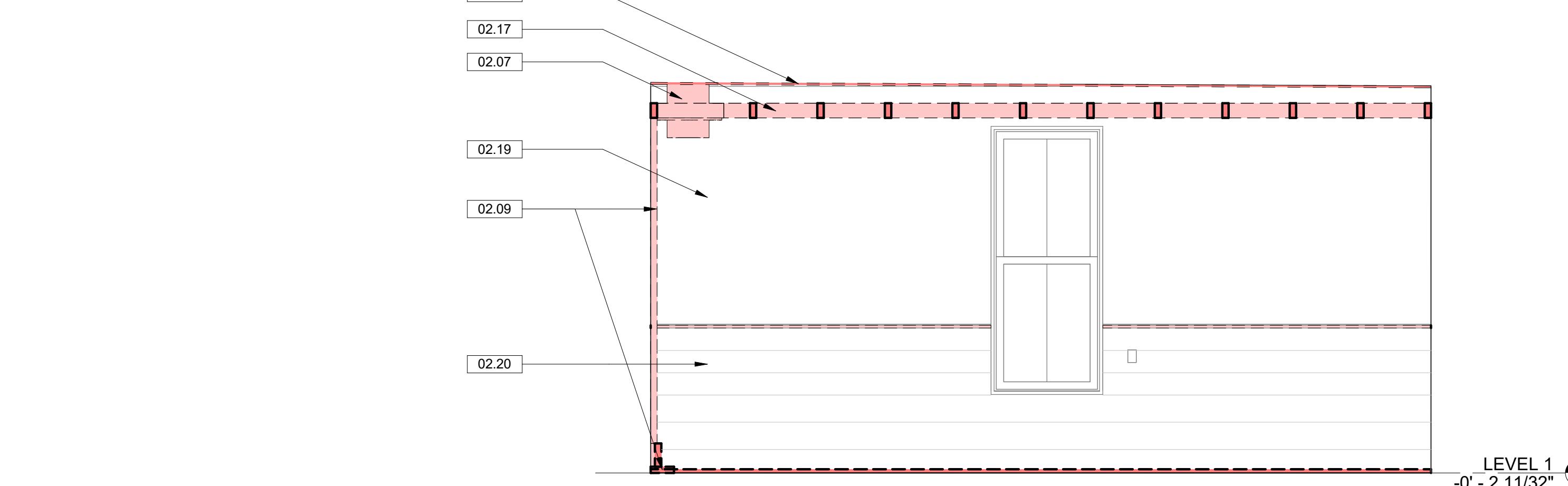
EAST ENLARGED INTERIOR ELEVATION  
1/2" = 1'-0"



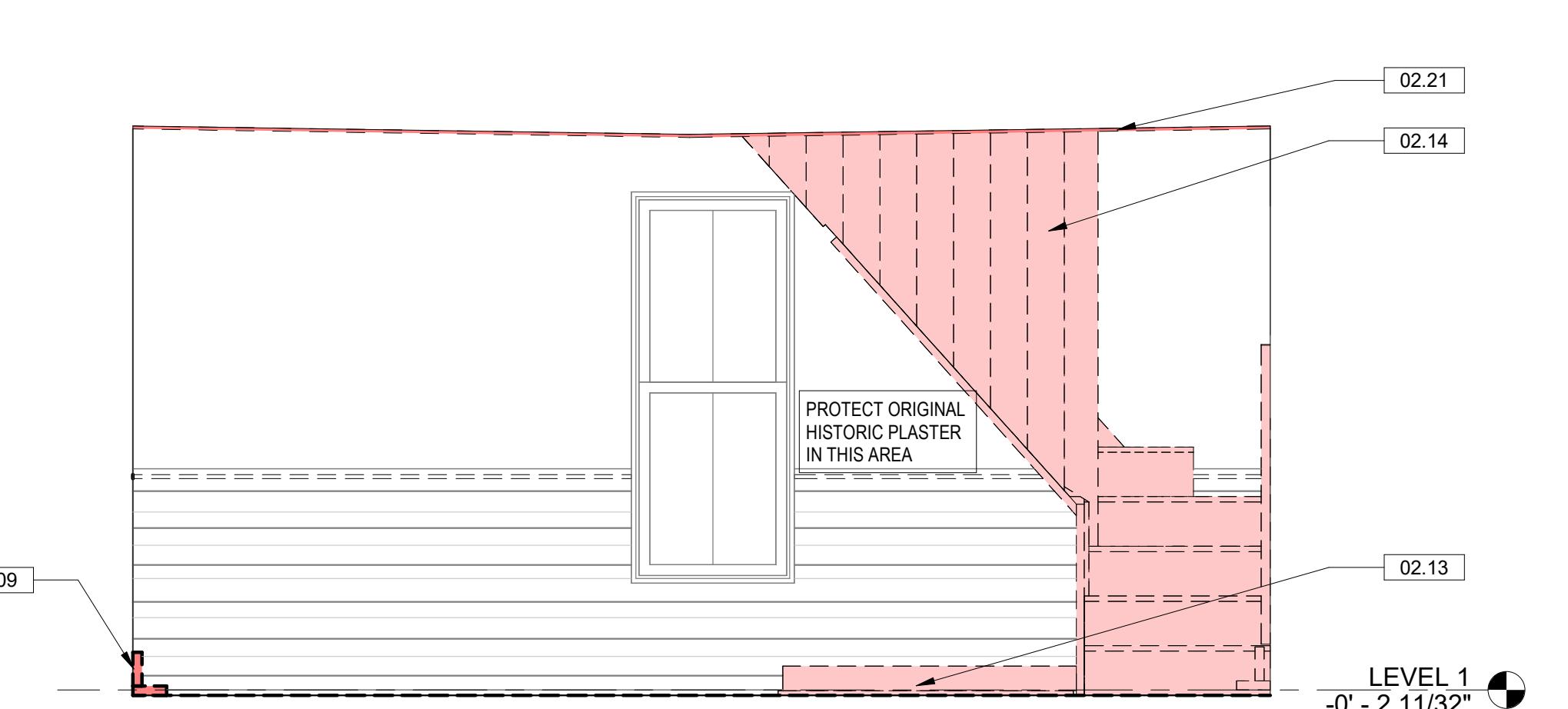
SOUTH ENLARGED INTERIOR ELEVATION 1  
1/2" = 1'-0"



WEST ENLARGED INTERIOR ELEVATION  
1/2" = 1'-0"



SOUTH ENLARGED INTERIOR ELEVATION 2  
1/2" = 1'-0"



NORTH ENLARGED INTERIOR ELEVATION 1  
1/2" = 1'-0"

## DEMOLITION PLAN LEGEND

EXISTING MATERIAL - TO REMAIN

DEMOLISHED ITEM

DEMOLISHED MATERIAL DENOTED BY EITHER OF THE FOLLOWING:

DEMOLISHED MATERIAL

DEMOLISHED MATERIAL

4' 0' 4' 8'  
1/4"=1'-0"



### Keynote Legend

| Key Value | Keynote Text   |
|-----------|--|
| 02.07     | REMOVE EXISTING CONTEMPORARY METAL CHIMNEY FLUE IN ITS ENTIRETY.         |
| 02.10     | REMOVE NONHISTORIC STUD WALL AND ALL ASSOCIATED FASTENERS AND MATERIALS. |
| 02.13     | REMOVE NONHISTORIC PLYWOOD INFILL WALL AND FLOOR PANELS.                 |

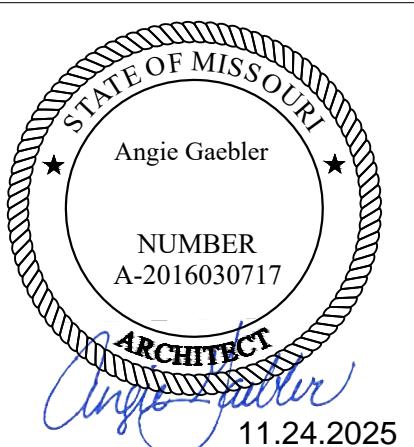
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**Mechanical/Electrical/Plumbing**  
Hoss & Brown Engineers  
15902 Midland Drive  
Shawnee, KS 66217

# 1872 NEOSHO COLORED SCHOOL REHABILITATION

639 Young St  
Neosho, MO, 64850



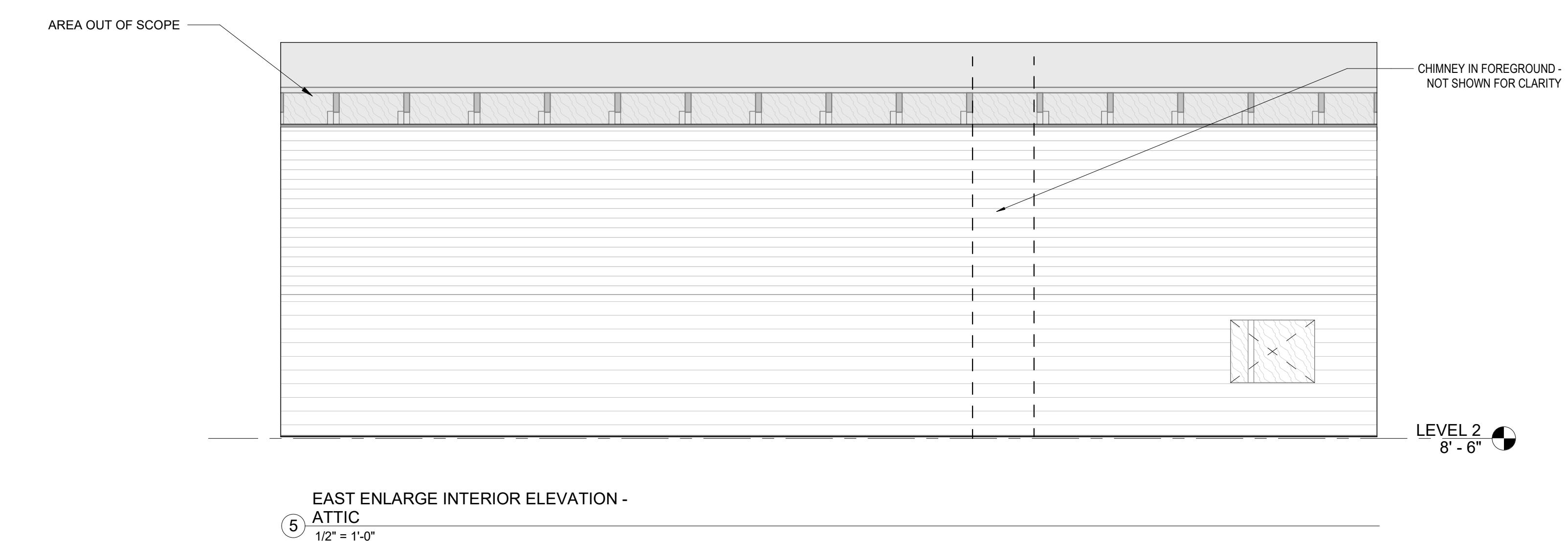
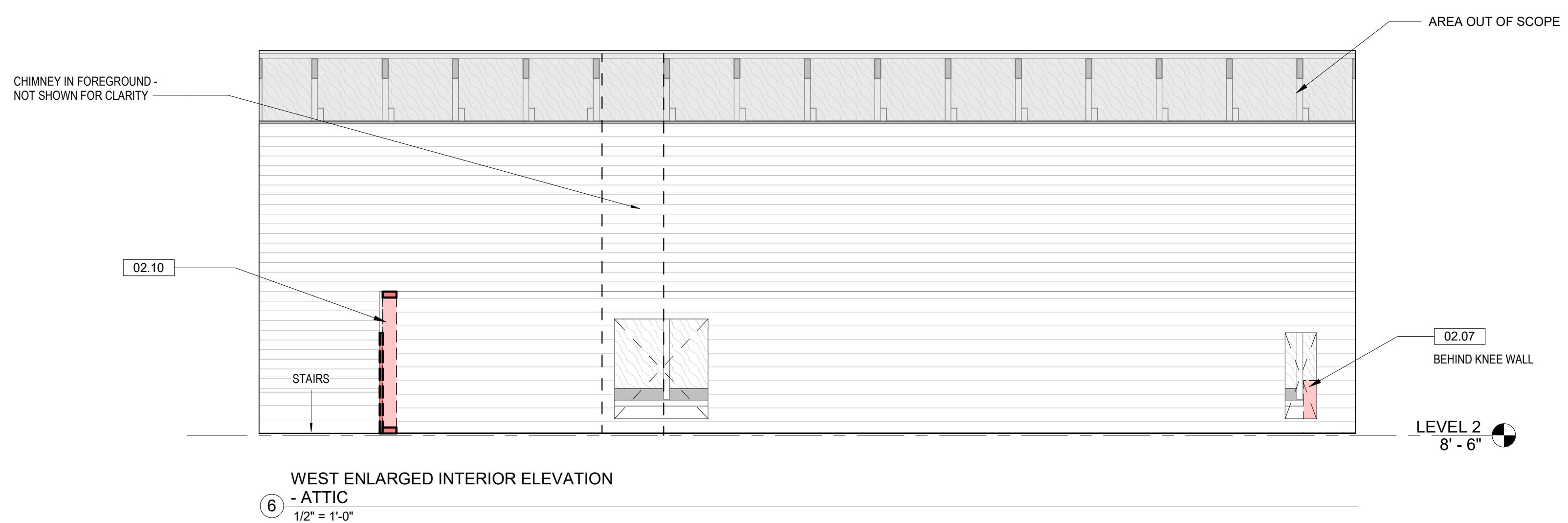
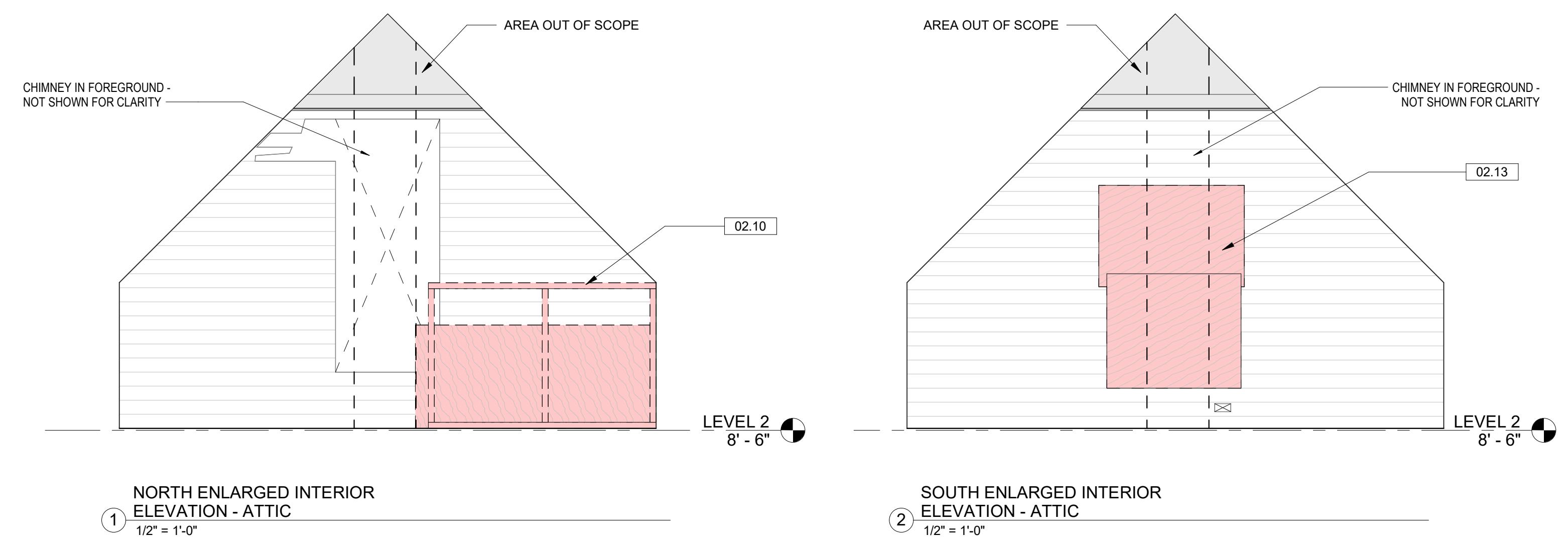
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**DATE:** 11/24/2025  
**REVISION & DATE:**

**DEMOLITION INTERIOR ELEVATION**  
**SHEET NUMBER:**

**AD401**

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### DEMOLITION PLAN LEGEND

|  |   |
|--|---|
|  | EXISTING MATERIAL - TO REMAIN                           |
|  | DEMOLISHED ITEM   |
|  | DEMOLISHED MATERIAL DENOTED BY EITHER OF THE FOLLOWING: |
|  | DEMOLISHED MATERIAL                                     |
|  | DEMOLISHED MATERIAL                                     |

4' 0' 4' 8'  
1/4"=1'-0"

**SITE GENERAL NOTES**

1. CONTRACTOR RESPONSIBLE FOR PROTECTION OF JOB SITE, INCLUDING SIGNAGE, PREVENTING PUBLIC FROM ENTERING THE BUILDING, AND SITE MAINTENANCE THROUGHOUT CONSTRUCTION AREA.

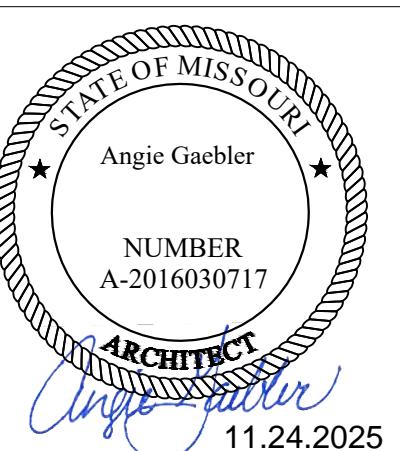
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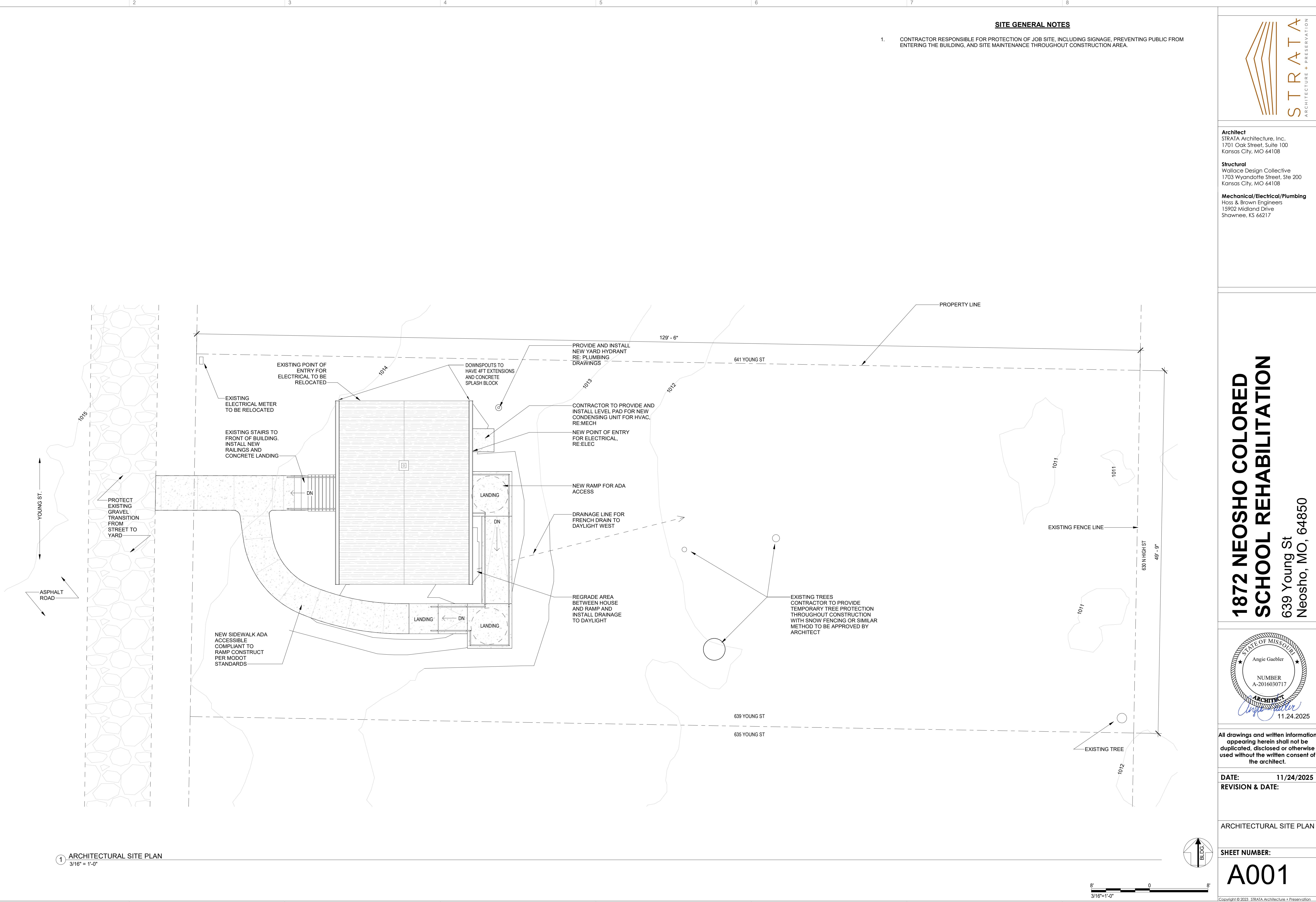
**DATE:** 11/24/2025  
**REVISION & DATE:**

**ARCHITECTURAL SITE PLAN**

**SHEET NUMBER:**

**A001**

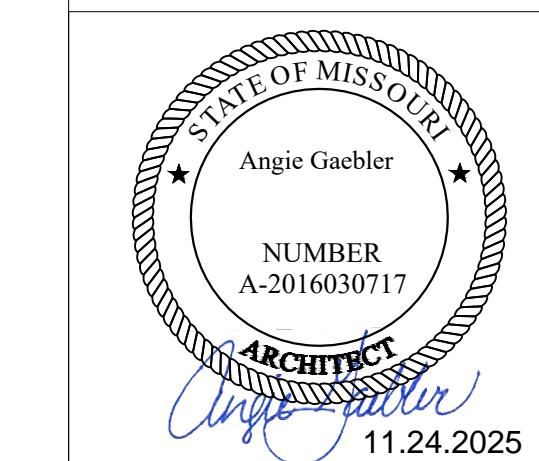
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# 1872 NEOSHO COLORED SCHOOL REHABILITATION

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DATE: 11/24/2025  
REVISION & DATE:

CODE ANALYSIS

SHEET NUMBER:

A002

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## BUILDING CODE ANALYSIS

05.06.2025

PROJECT: 1872 NEOSHO COLORED SCHOOL - NEOSHO, MISSOURI

### PROJECT SCOPE AND DESCRIPTION

THE PROJECT SCOPE OF WORK ENTAILS INTERIOR RENOVATION OF AN EXISTING HISTORIC PROPERTY LOCATED WITHIN A RESIDENTIAL AREA. THIS INCLUDES NECESSARY MODERN CONVENiences SUCH AS ELECTRICAL, LIGHTING, VENTILATION, COOLING SYSTEMS, SECURITY AND ACCOMMODATIONS FOR ADA ACCESSIBILITY.

### APPLICABLE BUILDING CODES

|                 |  |  |
|-----------------|--|--|
| Required Codes: | 2010 International Building Code<br>2017 The National Electrical Code<br>2018 International Plumbing Code<br>2018 International Mechanical Code<br>2018 International Existing Building Code |  |
|-----------------|--|--|

### ZONING ISSUES

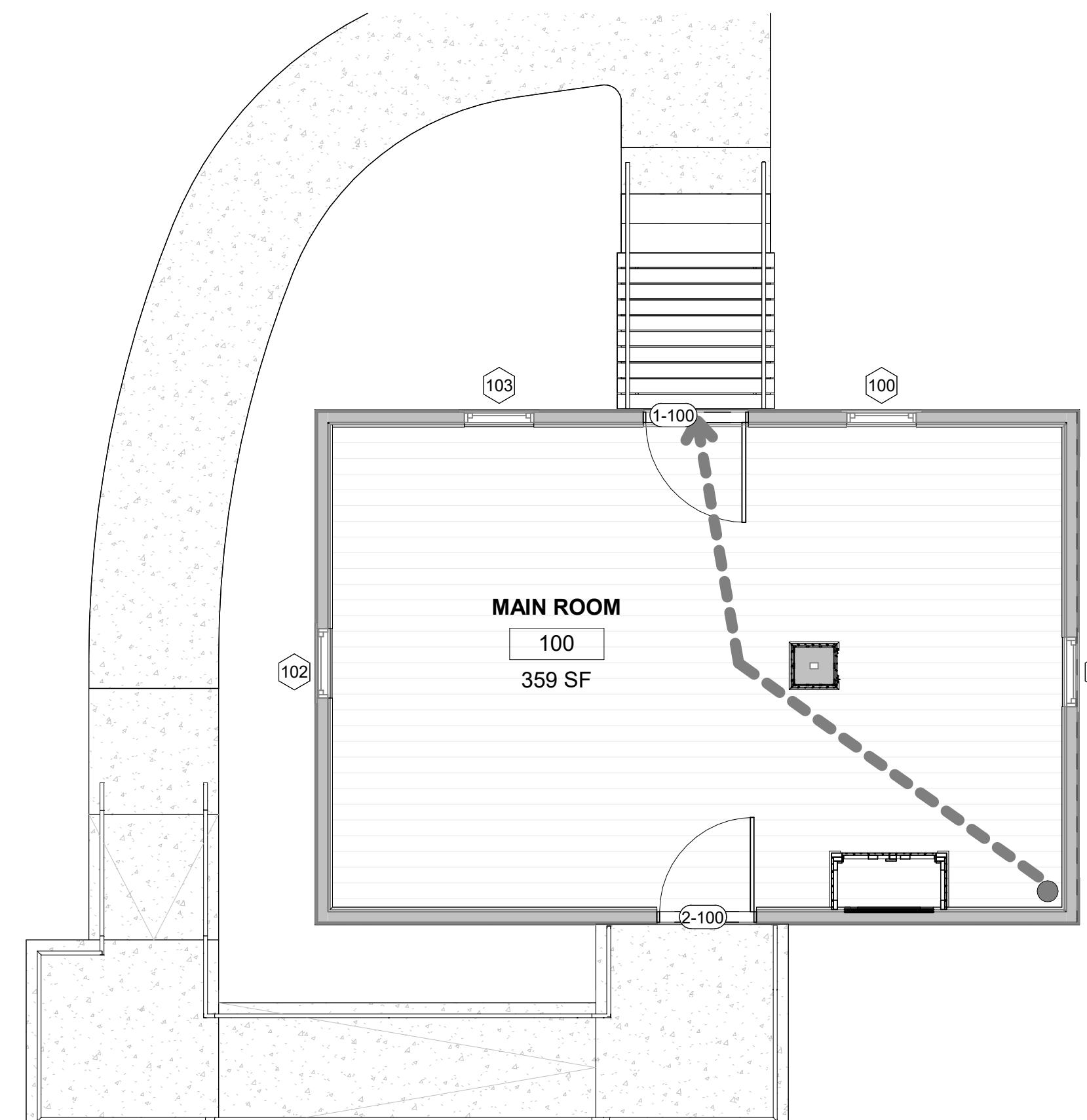
|                   |   |                                      |
|-------------------|---|--------------------------------------|
| Zoning:           | R-3 Zoning (Apartment House District)                               | Neosho, MO - Integrity Online System |
| Site Area:        | 0.15 Acres (Full Lot)<br>0.013 Acres (Building and Building Access) | Neosho, MO - Integrity Online System |
| Parking Required: |   |                                      |

### BUILDING CLASSIFICATION

|                       |  |                            |
|-----------------------|--|----------------------------|
| Occupancy:            | Use Group B - A space used for assembly purposes with an occupant load of less than 50 persons and accessory to another occupancy shall be classified as Group B occupancy | Sect. 303.1.2              |
| Construction Type:    | Type V-B, Unsprinkled  | Sect. 602.5                |
| Allowable Height:     | 1 story / 40'-0"   | Table 504.3<br>Table 504.4 |
| Basic Allowable Area: | 6,000 sf   | Table 506.2                |
| Actual Proposed Area: | 359 sf   |                            |

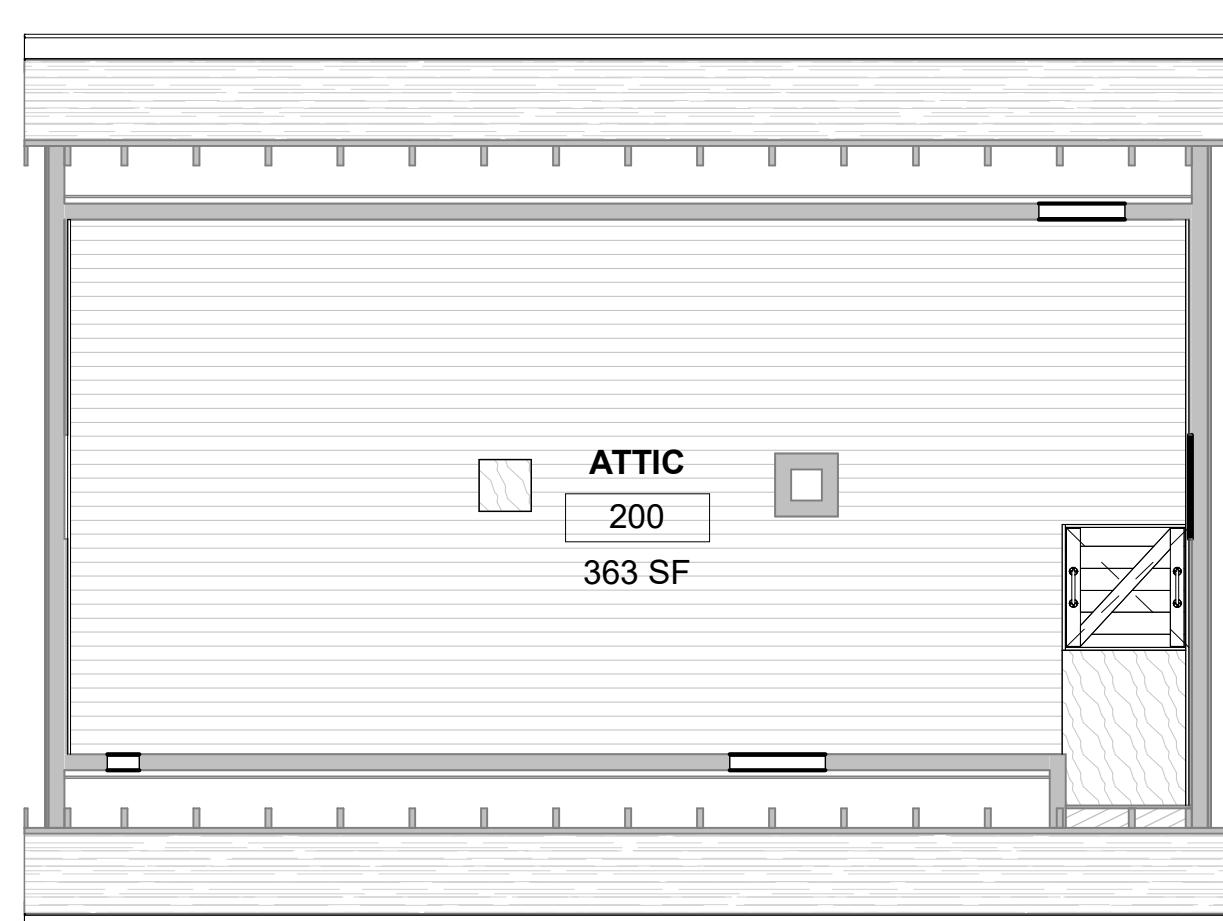
### MEANS OF EGRESS

|                             |   |                                  |
|-----------------------------|---|----------------------------------|
| Occupant Load:              | Assembly B in Main Room 100, Concentrated (Chairs only, not fixed): 359 sf at 7 net sf/occupant = 52 people   | Table 1004.5                     |
| Minimum No. of Exits:       | Occ. Load 1-500 = 2 exits per story   | Table 1006.3.2                   |
| Egress Width: Non-sprinkled | Stairways: 0.3 inches per occupant: 52 occupants * 0.3 = 15.6" width total required<br>Other egress components: 0.2 inches per occupant: 52 occupants * 0.2 = 10.4" width total required  | Sect. 1005.3.1<br>Sect. 1005.3.2 |
| Length of Travel:           | Maximum length of exit access travel is 200 feet in an unsprinkled building   | Table 1017.2                     |
| Dead end corridors:         | Where more than one exit or exit access doorway is required, the exit access shall be arranged such that dead-end corridors do not exceed 20 ft in length.  | Sect. 1020.4                     |
| Distance between Exits:     | Where two exits, exit access doorways, exit access stairways or ramps, or any combination thereof, are required from any portion of the exit access, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the building or area to be served measured in a straight line between them. | Sect. 1007.1.1                   |



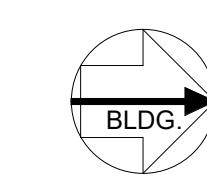
1 LIFE SAFETY - LEVEL 1 FLOOR PLAN

1/4" = 1'-0"



2 LIFE SAFETY - LEVEL 2 FLOOR PLAN

1/4" = 1'-0"



1/4" = 1'-0"

A

2

3

4

5

6

7

8

B

C

D

E

F

1

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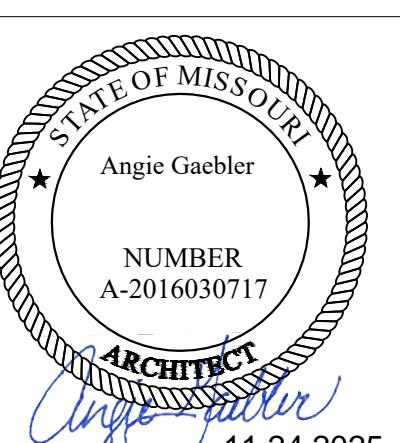
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# 1872 NEOSHO COLORED SCHOOL REHABILITATION

639 Young St  
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DATE: 11/24/2025  
REVISION & DATE:

STANDARDS, SYMBOLS & LEGENDS

SHEET NUMBER:

A003

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## ABBREVIATIONS

|        |  |        |                                   |
|--------|--|--------|-----------------------------------|
| ABA    | ARCHITECTURAL BARRIERS ACT             | QT     | QUARRY TILE                       |
| ACC    | ACCESSIBLE/ACCESSIBILITY               | RAD    | RADIUS                            |
| ACT    | ACOUSTICAL CEILING TILE                | RB     | RUBBER BASE                       |
| AFF    | ABOVE FINISH FLOOR                     | RCP    | REFLECTED CEILING PLAN            |
| AHJ    | AUTHORITY HAVING JURISDICTION          | RD     | ROOF DRAIN                        |
| ALT    | ALTERNATE                              | RECS   | RECOMMENDATIONS                   |
| ALUM   | ALUMINUM                               | RECEP  | RECEPTACLE                        |
| ARCH   | ARCHITECTURAL                          | REF    | REFERENCE                         |
| AWP    | ACOUSTICAL WALL PANEL                  | REQD   | REQUIRED                          |
| BCMU   | BURNISHED CONCRETE MASONRY UNIT        | RES    | RESILIENT                         |
| BCS    | BATHTUB CHANGING STATION               | RF     | RUBBER/RESILIENT FLOOR            |
| BB     | BOARD                                  | RM     | ROOM                              |
| BKLG   | BLOCKING                               | RO     | ROUGH OPENING                     |
| BO     | BOTTOM OF                              | SCD    | TOILET SEAT COVER DISPENSER       |
| BRNG   | BEARING                                | SD     | SOAP DISPENSER                    |
| CC     | CENTER TO CENTER                       | SF     | SQUARE FOOT                       |
| CCD    | COILING COUNTER DOOR                   | SFCMU  | SPLIT-FACED CONCRETE MASONRY UNIT |
| CIP    | CAST IN PLACE                          | SHWR   | SHOWER                            |
| CJ     | CONTROL JOINT                          | SIM    | SIMILAR                           |
| CL     | CENTERLINE                             | SND    | SANITARY NAPKIN DISPOSAL          |
| CLG    | CEILING                                | SNV    | SANITARY NAPKIN VENDOR            |
| CLR    | CLEAR                                  | SOG    | SLAB ON GRADE                     |
| CMU    | CONCRETE MASONRY UNIT                  | SPEC   | SPECIFICATION                     |
| CO     | CONTRACTING OFFICER                    | SS     | STAINLESS STEEL                   |
| COL    | COLUMN                                 | STD    | STANDARD                          |
| CONC   | CONCRETE                               | STL    | STEEL                             |
| CONT   | CONTINUOUS                             | STRCT  | STRUCTURE                         |
| CPT    | CARPET                                 | STRUCT | STRUCTURAL                        |
| CT     | CERAMIC TILE                           | TG     | TONGUE & GROOVE                   |
| DBL    | DOUBLE                                 | TB     | TOWEL BAR                         |
| DEG    | DEGREE                                 | TBD    | TACK BOARD                        |
| DF     | DRINKING FOUNTAIN                      | TERR   | TERRAZZO                          |
| DIA    | DIAMETER                               | TH     | TOWEL HOOK                        |
| DIM    | DIMENSION                              | THK    | THICKNESS                         |
| DN     | DN                                     | TO     | TOP                               |
| DTL    | DETAIL                                 | TTD    | TOILET TISSUE DISPENSER           |
| DW     | DISHWASHER                             | TW     | TACK WALL                         |
| DWG    | DRAWING                                | TYP    | TYPICAL                           |
| EA     | EACH                                   | UNEX   | UNEXCAVATED                       |
| EIFS   | EXTERIOR INSULATION AND FINISH SYSTEM  | UNO    | UNLESS NOTED OTHERWISE            |
| EJ     | EXPANSION JOINT                        | UTL    | UTILITY SHELF                     |
| ELEV   | ELEVATION                              | UTLITY | UTILITY                           |
| ELEC   | ELECTRICAL                             | VAR    | VARIABLE                          |
| EQ     | EQUAL                                  | VB     | VINYL BASE                        |
| EQUIP  | EQUIPMENT                              | VCT    | VINYL COMPOSITION TILE            |
| EV/C   | ELECTRIC WATER COOLER                  | WD     | WOOD                              |
| EXG    | EXISTING                               | WDW    | WINDOW                            |
| EXT    | EXTERIOR                               | WR     | WASTE RECEPTACLE                  |
| FD     | FLOOR DRAIN                            |        |                                   |
| FND    | FOUNDATION                             |        |                                   |
| FE     | FIRE EXTINGUISHER                      |        |                                   |
| FEC    | FIRE EXTINGUISHER CABINET              |        |                                   |
| FF     | FINISH FLOOR                           |        |                                   |
| FLR    | FLOOR                                  |        |                                   |
| FLRG   | FLOORING                               |        |                                   |
| FT     | FEET                                   |        |                                   |
| FTG    | FOOTING                                |        |                                   |
| GA     | GAUGE                                  |        |                                   |
| GALV   | GALVANIZED                             |        |                                   |
| GB     | GRAB BAR                               |        |                                   |
| GC     | GENERAL CONTRACTOR                     |        |                                   |
| GCMU   | GLAZED CONCRETE MASONRY UNIT           |        |                                   |
| GSF    | GROSS SQUARE FOOT                      |        |                                   |
| GWB    | GYPSUM WALLBOARD                       |        |                                   |
| HGT    | HEIGHT                                 |        |                                   |
| HWDE   | hardware                               |        |                                   |
| HM     | HOLLOW METAL                           |        |                                   |
| HORIZ  | HORIZONTAL                             |        |                                   |
| HR     | HOUR                                   |        |                                   |
| IN     | INCH                                   |        |                                   |
| INSUL  | INSULATION                             |        |                                   |
| INT    | INTERIOR                               |        |                                   |
| JB     | JUNCTION BOX                           |        |                                   |
| KIT    | KITCHEN                                |        |                                   |
| L      | LENGTH                                 |        |                                   |
| LAV    | LAVATORY                               |        |                                   |
| LAM    | LAMINATE                               |        |                                   |
| LF     | LINEAR FOOT                            |        |                                   |
| LCKR   | LOCKER                                 |        |                                   |
| LSC    | LIFE SAFETY CODE                       |        |                                   |
| MAX    | MAXIMUM                                |        |                                   |
| MBD    | MARKER BOARD                           |        |                                   |
| MBH    | MOP AND BROOM HOLDER                   |        |                                   |
| MECH   | MECHANICAL                             |        |                                   |
| MEZZ   | MEZZANINE                              |        |                                   |
| MFR    | MANUFACTURER                           |        |                                   |
| MFRG   | MANUFACTURING                          |        |                                   |
| MIN    | MINIMUM                                |        |                                   |
| MIR    | MIRROR                                 |        |                                   |
| NA     | NOT APPLICABLE                         |        |                                   |
| NIC    | NOT IN CONTRACT                        |        |                                   |
| NOM    | NOMINAL                                |        |                                   |
| NTS    | NOT TO SCALE                           |        |                                   |
| OD     | OUTSIDE DIAMETER                       |        |                                   |
| OCCG   | OVERHEAD COILING GRILLE                |        |                                   |
| OD     | OVERFLOW DRAIN                         |        |                                   |
| OD     | OVERFLOW FLOOR DRAIN                   |        |                                   |
| OFCI   | OWNER FURNISHED CONTRACTOR INSTALLED   |        |                                   |
| OFOI   | OWNER FURNISHED OWNER INSTALLED        |        |                                   |
| OPNG   | OPENING                                |        |                                   |
| OSD    | OVERHEAD SECTIONAL DOOR                |        |                                   |
| PT     | PAINT                                  |        |                                   |
| PC     | PRECAST                                |        |                                   |
| PCT    | PORCELAIN CERAMIC TILE                 |        |                                   |
| PERP   | PERPENDICULAR                          |        |                                   |
| PL     | PLATE                                  |        |                                   |
| PLAM   | PLASTIC LAMINATE                       |        |                                   |
| PLY/WD | PLYWOOD                                |        |                                   |
| PNL    | PANELING                               |        |                                   |
| PORC   | PORCELAIN                              |        |                                   |
| PTD    | PAPER TOWEL DISPENSER                  |        |                                   |
| PTD/R  | COMBINATION TOWEL DISPENSER/RECEPTACLE |        |                                   |

## MATERIALS LEGEND

|  |   |
|--|---|
|  | CIP CONCRETE                                  |
|  | PC CONCRETE                                   |
|  | CMU   |
|  | MASONRY VENEER                                |
|  | STEEL   |
|  | ALUMINUM                                      |
|  | METAL STUD                                    |
|  | WOOD STUD                                     |
|  | CONTINUOUS WOOD BLOCKING / WOOD SHIM / SPACER |
|  | WOOD FINISH/TRIM                              |
|  | BOARD INSULATION                              |
|  | ROOF INSULATION                               |
|  | BLOWN-IN INSULATION                           |
|  | BATT INSULATION                               |
|  | PLYWOOD                                       |
|  | GYPSUM BOARD                                  |
|  | EARTH/ GENERIC FILL                           |
|  | GRAVEL  |
|  | SAND  |
|  | WOOD BOARD                                    |

## DEMOLITION PLAN LEGEND

|  |   |
|--|---|
|  | EXISTING MATERIAL - TO REMAIN                           |
|  | DEMOLISHED ITEM   |
|  | DEMOLISHED MATERIAL DENOTED BY EITHER OF THE FOLLOWING: |
|  | DEMOLISHED MATERIAL                                     |
|  | DEMOLISHED MATERIAL                                     |

## SYMBOLS LEGEND

|  |                        |
|--|------------------------|
|  | STRUCTURAL/COLUMN GRID |
|  | ROOM TAG               |
|  | ELEVATION HEIGHT TAG   |
|  | DOOR TAG               |
|  | SPOT ELEVATION         |
|  | WALL TYPE              |
|  | EXTERIOR ELEVATION     |
|  | WINDOW TYPE            |
|  | STOREFRONT TYPE        |
|  | INTERIOR ELEVATION     |
|  | CEILING HEIGHT         |
|  | SECTION CALLOUT        |
|  | KEYED NOTE             |
|  | DETAIL CALLOUT         |
|  | ABA 3'-0" CLEAR PATH   |
|  | TRUE NORTH             |
|  | NORTH ARROW            |
|  | PROJECT NORTH          |
|  | EXISTING DOOR          |
|  | NEW DOOR               |

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STANDARDS, SYMBOLS & LEGENDS

SHEET NUMBER:

A003

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## **OPENING & HISTORIC MILLWORK GENERAL NOTES**

1. SALVAGED HISTORIC INTERIOR TRIM TO BE REINSTALLED. PRIOR TO REINSTALLATION, ALL EXISTING INTERIOR TRIM IS TO BE STRIPPED OF PAINT CAREFULLY AS TO NOT GOUGE WOOD SURFACE. FINISH WITH OSMO POLYX-OIL.
2. INSPECT HISTORIC TRIM. SHOULD SUPPLEMENTAL TRIM BE NECESSARY, MATCH HISTORIC WOOD SPECIES AND DIMENSIONS. FINISH LIKE NEW TRIM.
3. NEW TRIM TO BE FINISHED WITH OSMO POLY-OIL.
4. INTERIOR SIDE OF DOORS TO BE PAINTED PURE WHITE SW 7005. PRIME, PREP, AND PAINT WITH TWO COATS OF PAINT. EXTERIOR SIDE OF DOORS TO MATCH EXISTING DARK BROWN EXTERIOR PAINT. PRIME, PREP, AND PAINT WITH TWO COATS OF PAINT.
5. INSTALL WEATHERSTRIPPING ON SIDES AND TOP OF DOOR FRAME. 5/8" WIDE V-SHAPED SPRING BRONZE WEATHERSTRIP FROM WM A. KILIAN HARDWARE CO. INSTALL WITH BRASS NAILS FROM SAME HARDWARE COMPANY. INSTALL PEMKO 313 SERIES MORTISED DOOR BOTTOM WEATHERSTRIP (BLACK) AT THE BOTTOM OF DOORS.
6. INSTALL CAST IRON VERTICAL RIM LOCK WITH BLACK POWDER-COATED FINISH WITH BENNINGTON KNOBS WITH BLACK IRON SHANKS ON BOTH EXTERIOR DOORS (MANUFACTURER BY HOUSE OF ANTIQUE HARDWARE, OR APPROVED EQUAL). REPAIR AND PREP EXISTING FRONT DOOR JAMB AND DOOR ONCE EXISTING HARDWARE IS REMOVED. DUTCHMAN PATCH WOOD JAMB AND DOOR TO BE FLUSH WITH THE EXISTING SURROUNDING WOOD SURFACES.

| EXISTING OR NEW DOOR SCHEDULE |        |           |      |             |             |                |                   |                        |  |
|-------------------------------|--------|-----------|------|-------------|-------------|----------------|-------------------|------------------------|--|
| DOOR #                        | ROOM # | ROOM NAME | DOOR |             |             | DOOR CONDITION | FRAME / TRIM TYPE | FRAME / TRIM CONDITION | REMARKS  |
|                               |        |           | TYPE | HEIGHT      | WIDTH       |                |                   |                        |  |
| 2-100                         | 100    | MAIN ROOM | A1   | 6' - 5"     | 3' - 0"     | N/A            | A1                | N/A                    | INSTALL WEATHERSTRIPPING.  |
| 1-100                         | 100    | MAIN ROOM | A3   | 6' - 7 1/2" | 3' - 2 1/8" | POOR           | A1                | POOR                   | EXISTING DOOR TO BE REPAIRED BY OTHERS AND INSTALLED BY GENERAL CONTRACTOR. PROVIDE AND INSTALL NEW WEATHERSTRIPPINGS. REMOVE AND REPLACE EXISTING DETERIORATED THRESHOLD, TRIM, JAMBS AND DOOR STOPS. |



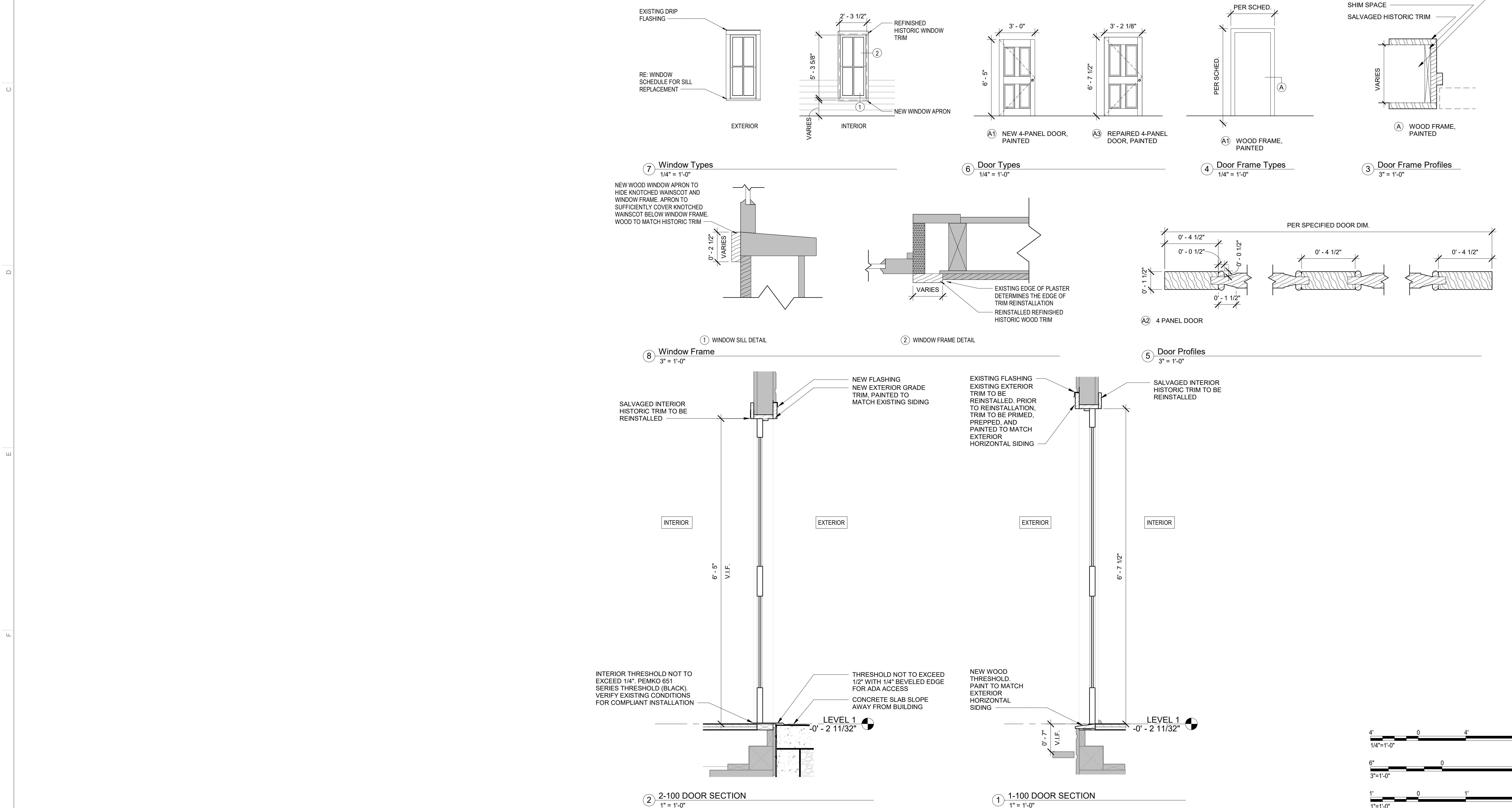
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15902 Midland Drive  
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## EXISTING WINDOW SCHEDULE

| EXISTING WINDOW SCHEDULE |        |             |             |                |                    |              |
|--------------------------|--------|-------------|-------------|----------------|--------------------|--------------|
| NUMBER                   | WINDOW |             |             | SILL<br>HEIGHT | EXISTING OR<br>NEW | REMARKS      |
|                          | TYPE   | HEIGHT      | WIDTH       |                |                    |              |
| 101                      | 100    | 5' - 3 5/8" | 2' - 2 1/2" | 1' - 5 3/8"    | Existing           |              |
| 100                      | 100    | 5' - 3 5/8" | 2' - 2 1/2" | 1' - 5"        | Existing           |              |
| 103                      | 100    | 5' - 3 5/8" | 2' - 2 1/2" | 1' - 3 1/2"    | Existing           | REPLACE SILL |
| 102                      | 100    | 5' - 3 5/8" | 2' - 2 1/2" | 1' - 6 5/8"    | Existing           | REPLACE SILL |



# 1872 NEOSHO COLORED SCHOOL REHABILITATION

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## DOOR & WINDOW SCHEDULE & TYPES

**SHEET NUMBER:**

A004

A004

11. *What is the primary purpose of the following statement?*

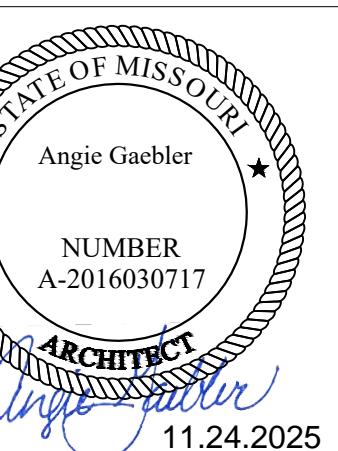
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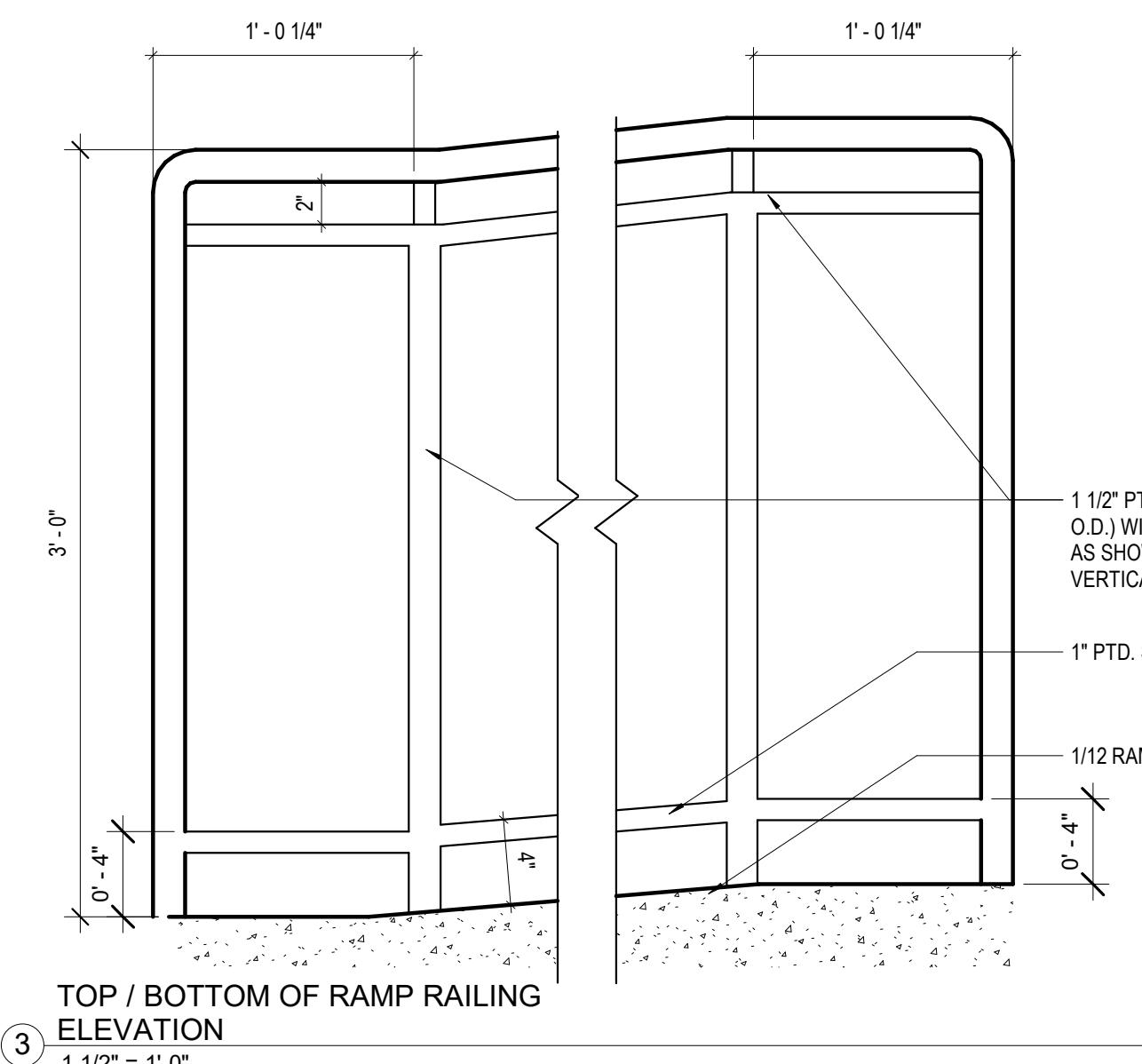
ARCHITECTURAL ADA  
STANDARDS

SHEET NUMBER:

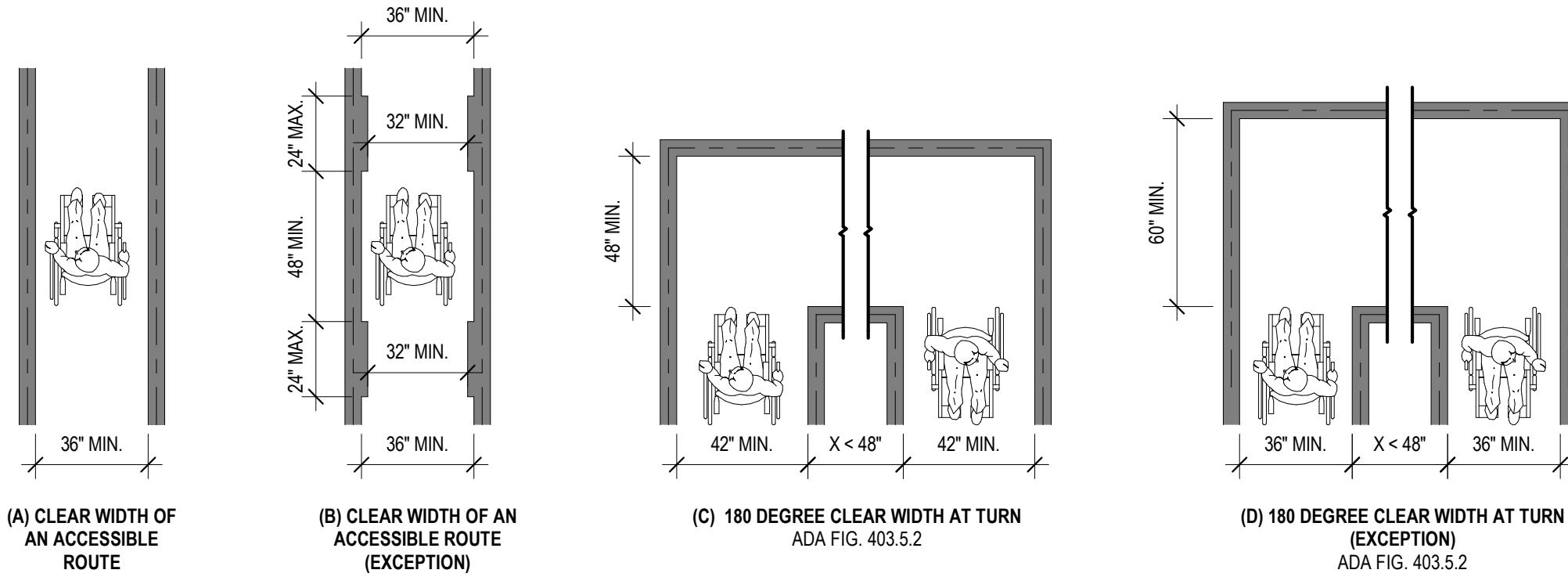
A005

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NOTE: ALL EXTERIOR METAL  
SHALL BE H.D. GALVANIZED

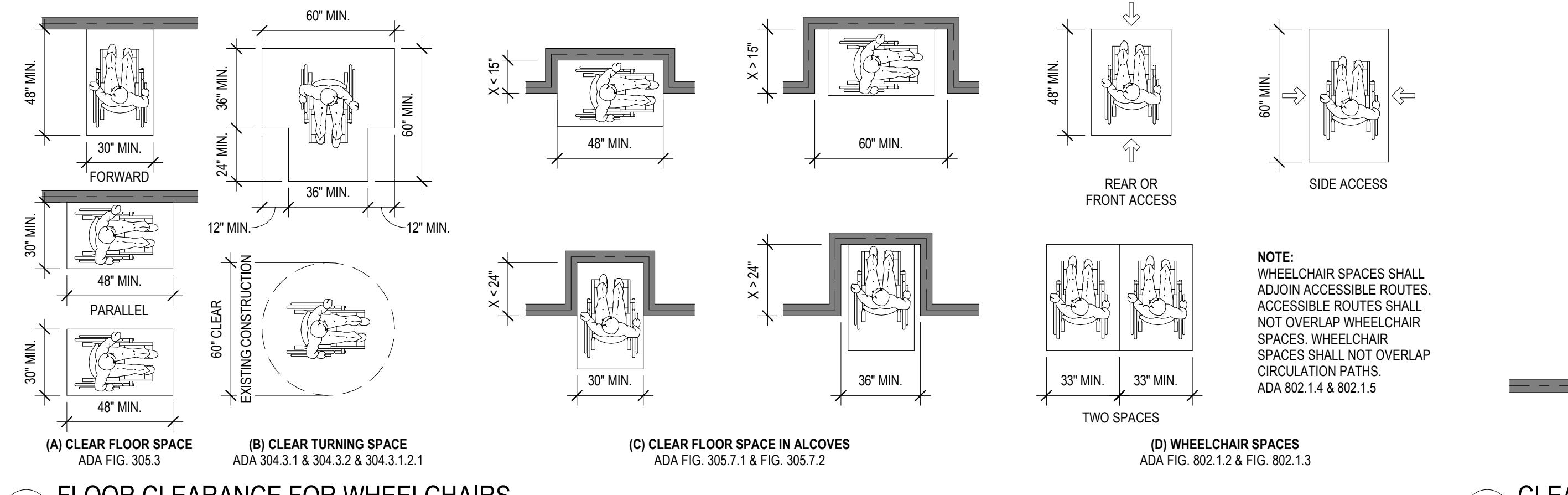


## 1 ACCESSIBLE ROUTE CLEARANCE REQUIREMENTS



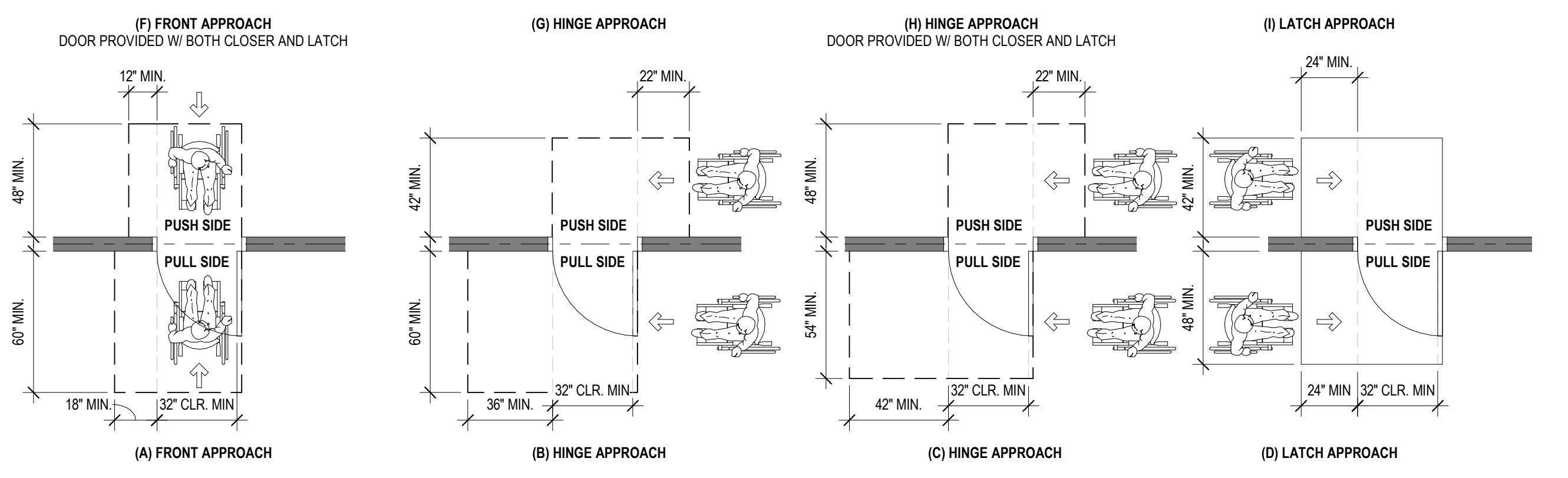
## GENERAL NOTES

- THESE FIXTURE AND ACCESSORY MOUNTING DETAILS & REQUIREMENTS ARE TYPICAL AND APPLY TO REQUIRED ACCESSIBLE INSTALLATIONS.
- REFER TO PLANS FOR LOCATIONS AND TYPES OF LAYOUTS, EQUIPMENT & DETAILS SHOWN THIS SHEET MAY OR MAY NOT APPEAR ON THIS PROJECT. IF A ROOM IS IN QUESTION AS TO BEING A REQUIRED ACCESSIBLE ROOM OR A REQUIRED DETAIL FOR THIS PROJECT, CONTACT ARCHITECT FOR RESOLUTION.
- PROVIDE IN THE LOCATION OF EQUIPMENT, REQUIRED RAILINGS, ADEQUATE SOLID BACKING CAPABLE OF WITHSTANDING 250 LB FORCE (SHEAR & BENDING). GRAB BARS SHALL NOT ROTATE. FASTENERS SHALL BE OF A TYPE TO WITHSTAND REQUIRED FORCE AND TYPED FOR TYPE OF WALL CONSTRUCTION.
- ALL EXTERIOR RAMPS SHALL HAVE A NON-SKID FINISH AS SPECIFIED.
- ANY METAL FLOOR GRATINGS OR DRAINAGE GRATINGS IN AN ACCESSIBLE PATH SHALL HAVE SPACES NO GREATER THAN 1/2" WIDE IN ONE DIRECTION LONG. DIMENSION SHALL BE PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL. THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT WITH MAX 1:2 SLOPE EACH SIDE AND 1/4" MAX VERTICAL LIP AT EDGE.
- THESE FIXTURE AND ACCESSORY MOUNTING DETAILS & REQUIREMENTS ARE TYPICAL AND APPLY TO REQUIRED ACCESSIBLE INSTALLATIONS.



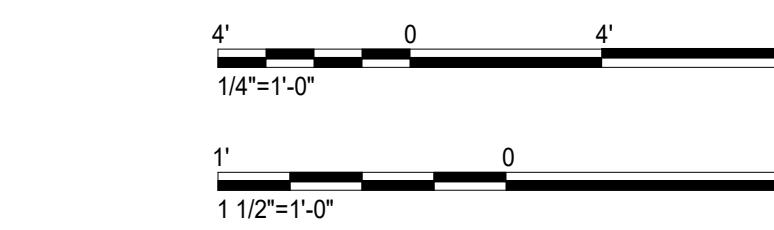
## 2 CLEAR WIDTH OF DOORWAYS

## 8 FLOOR CLEARANCE FOR WHEELCHAIRS



## 6 ACCESSIBILITY CLEARANCES FOR DOOR APPROACHES

1/4" = 1'-0"



# 1872 NEOSHO COLORED SCHOOL REHABILITATION

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Neosho, MO, 64850

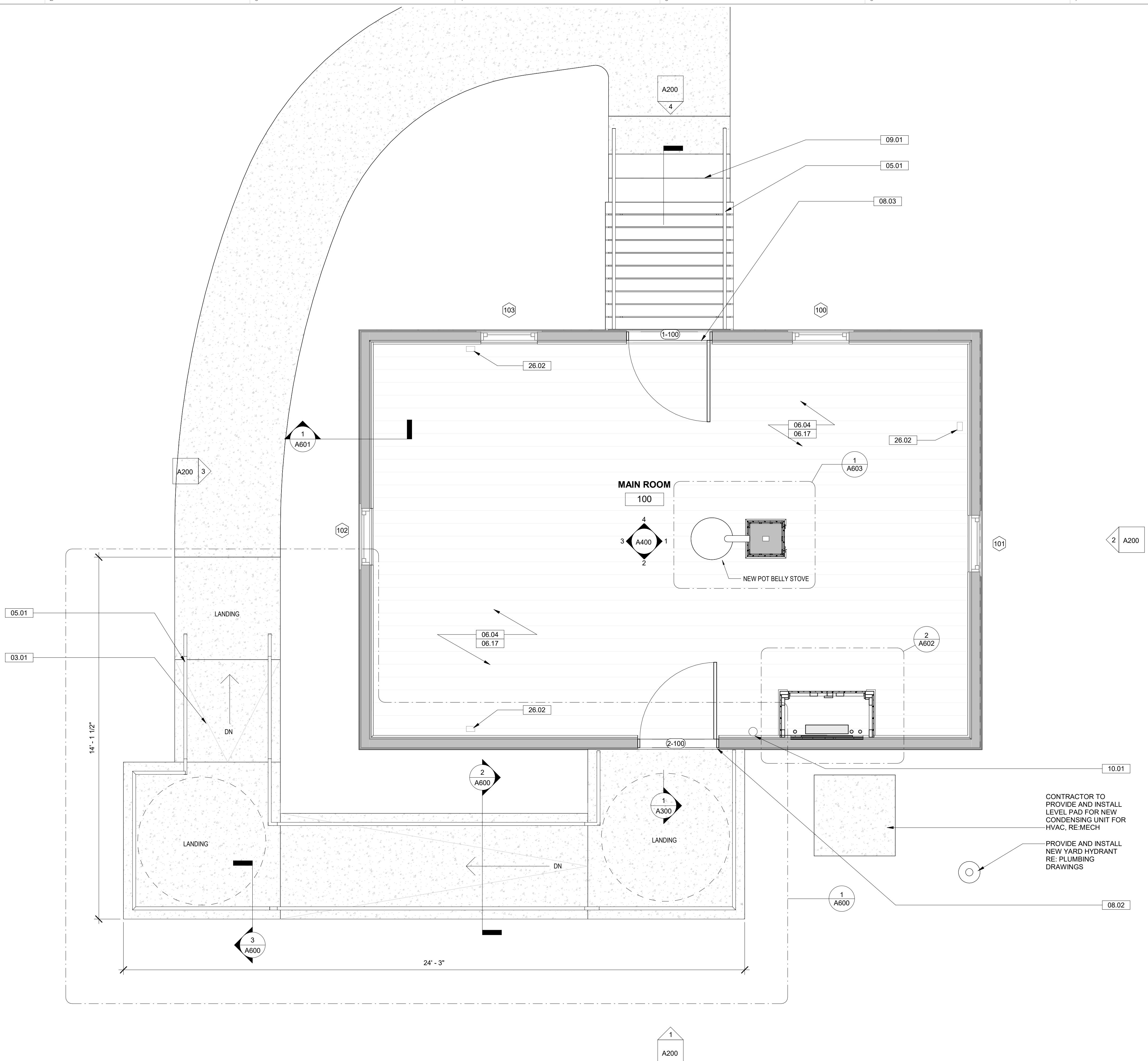


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FLOOR PLANS  
NEW MATERIAL  
NEW ITEM  
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A100

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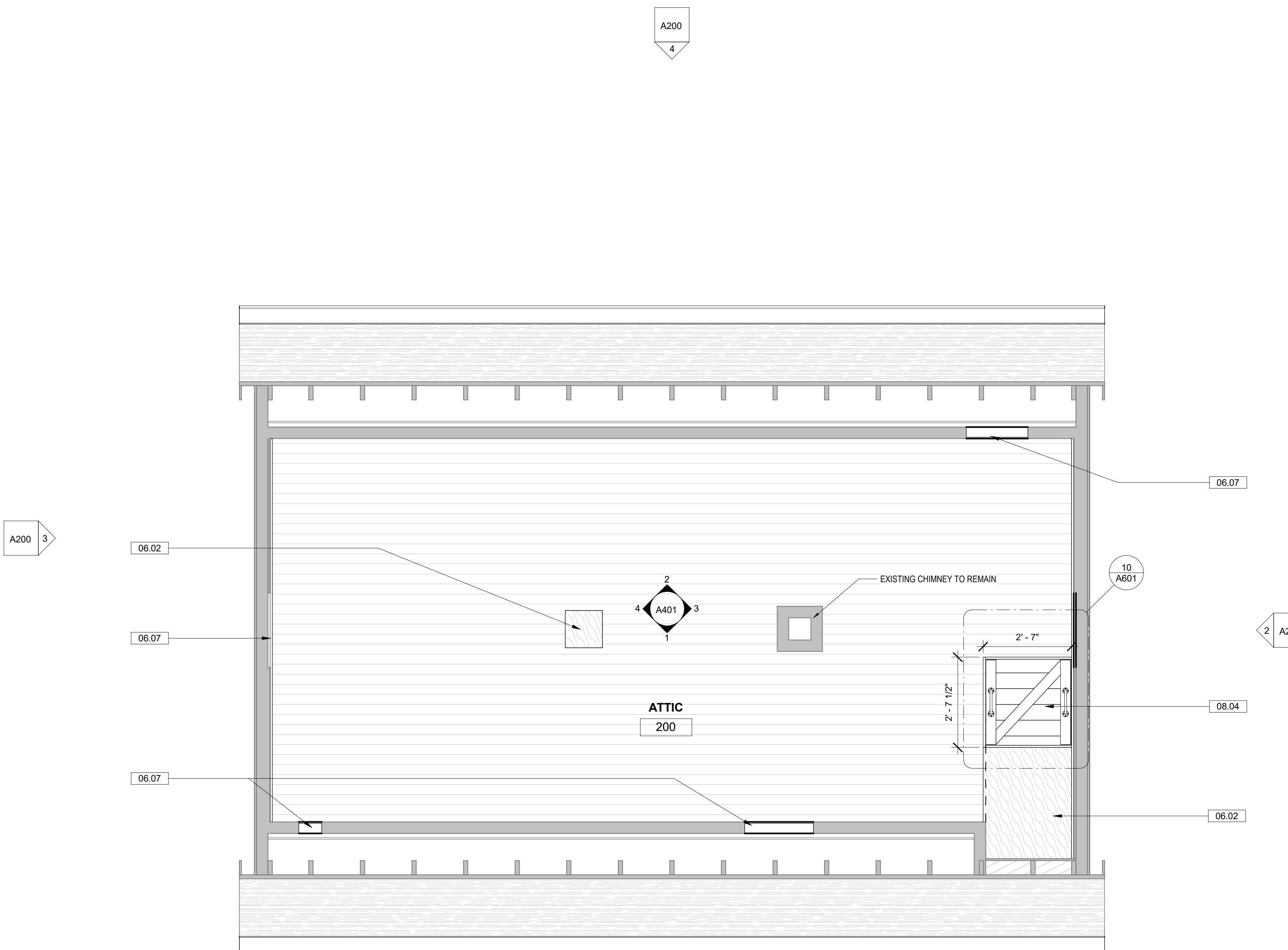
FLOOR PLANS

NEW MATERIAL

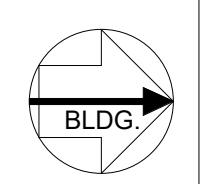
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① TREATMENT - LEVEL 2 FLOOR PLAN  
1/2" = 1'-0"



## NEW PLAN LEGEND

EXISTING MATERIAL

FLOOR PLANS

NEW MATERIAL

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| Keynote Legend |  |
|----------------|--|
| Key Value      | Keynote Text   |
| 06.02          | INFILL FLOORING WITH NEW PLYWOOD FLOORING TO MATCH EXISTING FLOORING THICKNESS   |
| 06.07          | INFILL WALLS AND CEILING WITH BEADBOARD TO MATCH EXISTING PROFILE. ENSURE NEW BEADED BOARDS ARE FULLY SEATED ON FRAMING FOR ADEQUATE NAILING. IF NEEDED, INSTALL FULL-HEIGHT NAILER FOR ADDITIONAL SUPPORT TO ADJACENT VERTICAL STUDS. PREP, PRIME, AND PAINT ALL WALLS AND CEILING IN ATTIC |
| 08.04          | EXISTING CHIMNEY OPENING TO BE MODIFIED FOR FURNACE MAINTENANCE ACCESS. NEW LIFT-UP ACCESS PANEL TO BE INSTALLED FOR MAINTENANCE. OPENING IS 2'-7 1/2" BY 2'-7".   |

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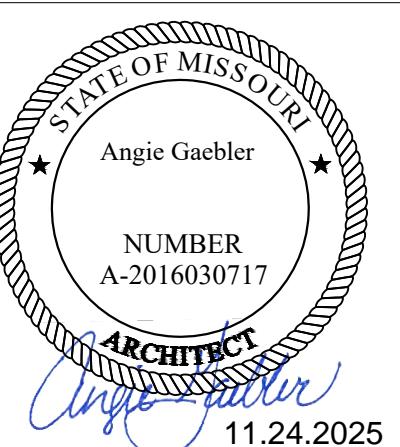
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**EXISTING MATERIAL**  
**REFLECTED CEILING PLANS & ROOF PLAN**  
**NEW MATERIAL**  
**NEW ITEM**

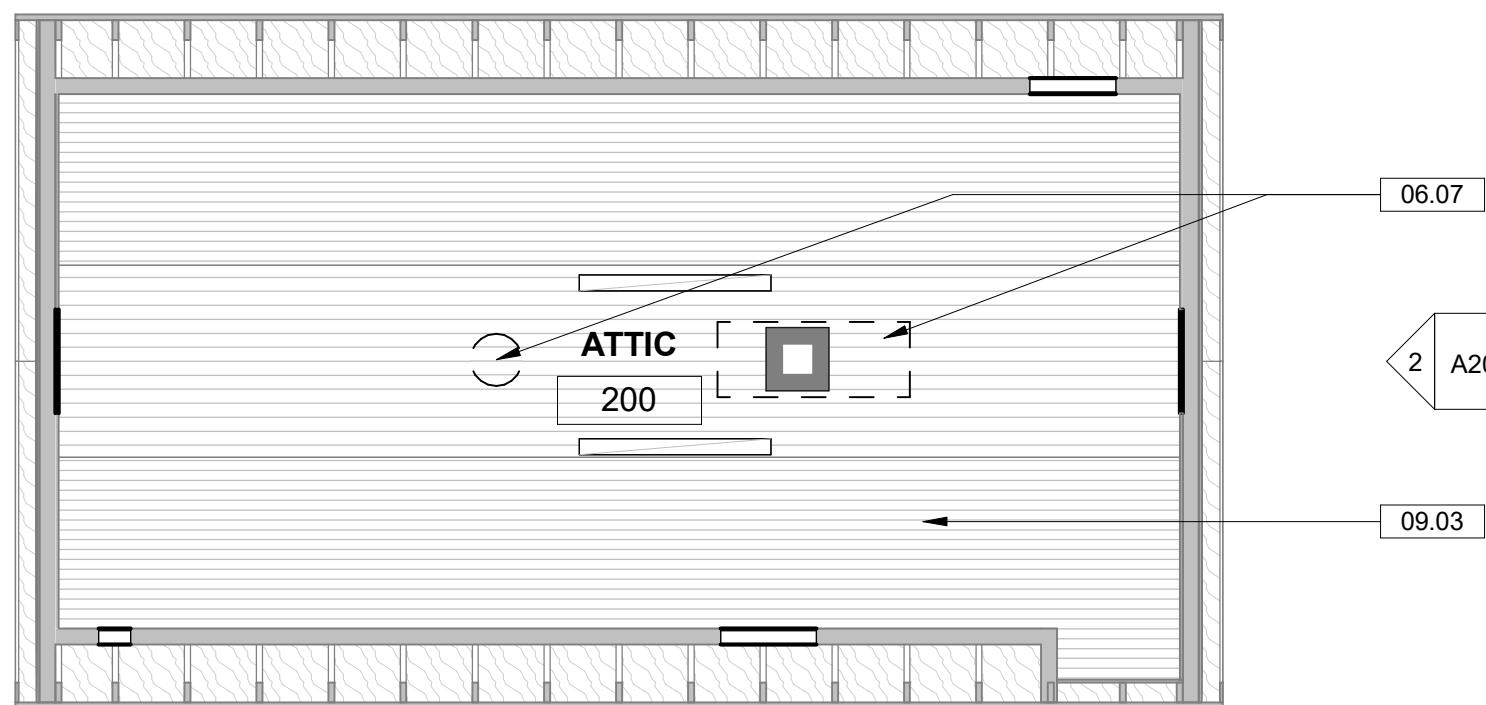
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**A150**

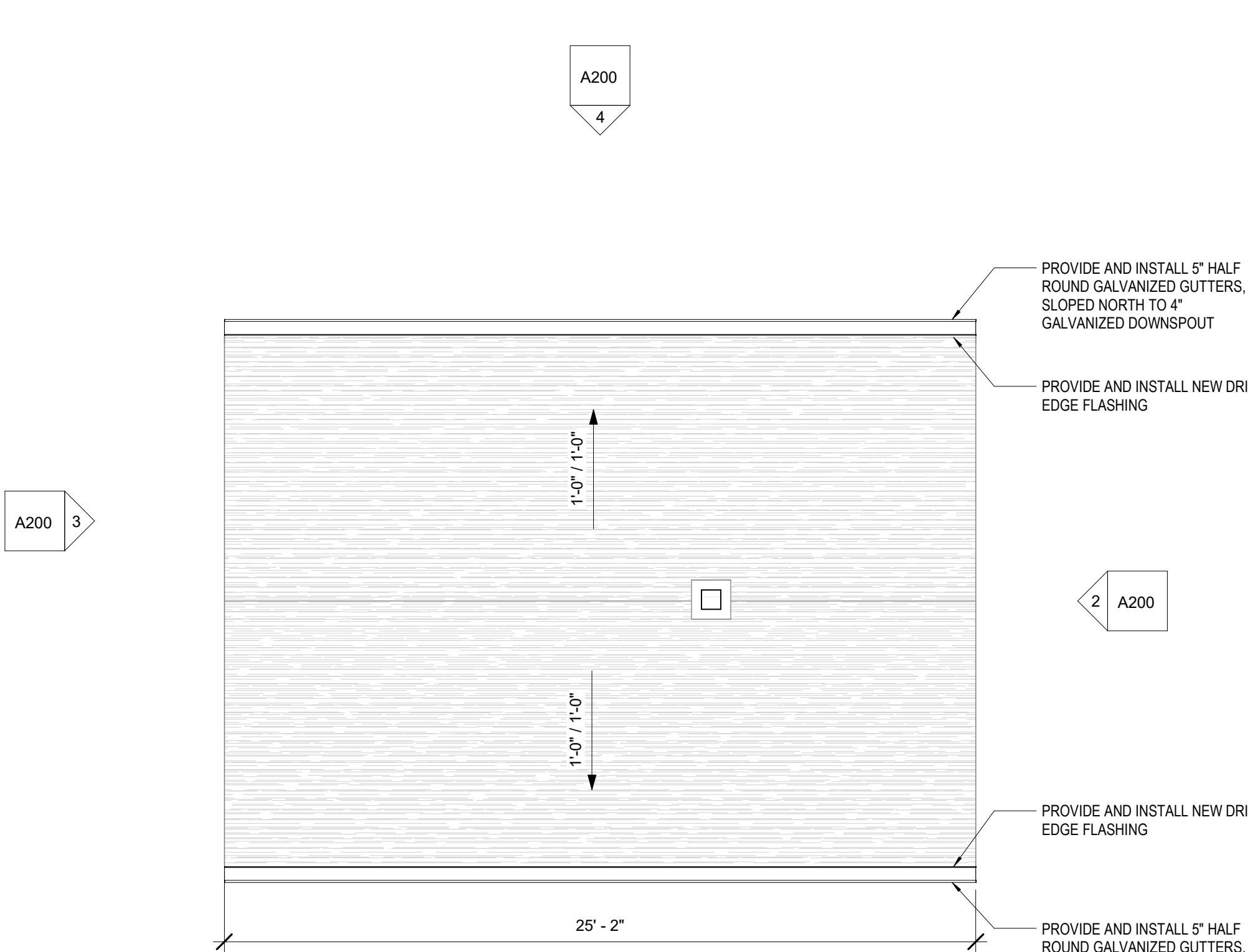
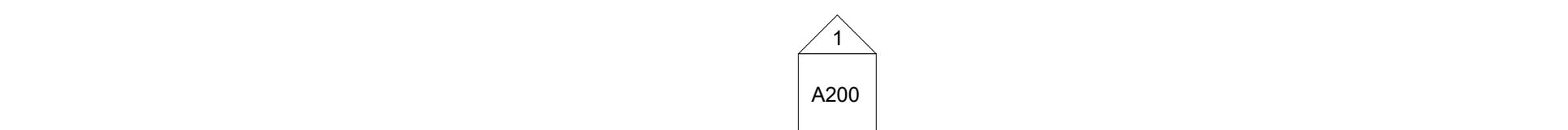
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## Keynote Legend

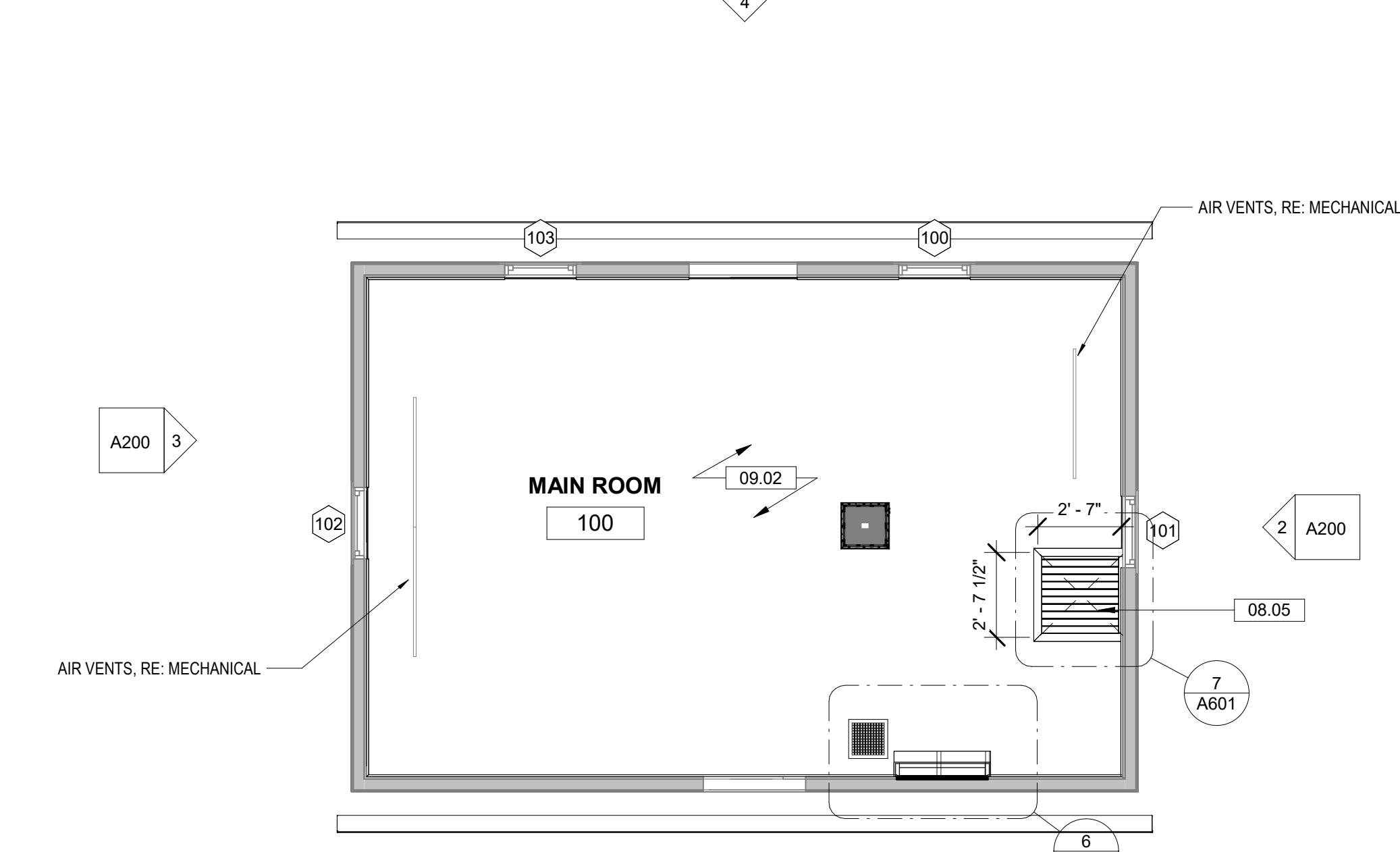
| Key Value | Keynote Text   |
|-----------|--|
| 06.07     | INFILL WALLS AND CEILING WITH BEADBOARD TO MATCH EXISTING PROFILE. ENSURE NEW BEADED BOARDS ARE FULLY SEATED ON FRAMING FOR ADEQUATE NAILING. IF NEEDED, INSTALL FULL-HEIGHT NAILER FOR ADDITIONAL SUPPORT TO ADJACENT VERTICAL STUDS. PREP, PRIME, AND PAINT ALL WALLS AND CEILING IN ATTIC |
| 08.05     | ACCESS HATCH TO ATTIC UTILIZING THE EXISTING OPENING.  |
| 09.02     | INSTALL NEW BLUEBOARD. FINISH WITH A SKIM COAT OF PLASTER AND PREP, PRIME, AND PAINT. INSTALL NEW COVER TRIM AT PERIMETER OF CEILING. PAINT TO MATCH CEILING.  |
| 09.03     | PREP, PRIME, AND PAINT BEADBOARD WALLS AND CEILINGS WITH TWO COATS OF PAINT.   |



② TREATMENT - LEVEL 2 RCP  
1/4" = 1'-0"



③ TREATMENT - ROOF PLAN  
1/4" = 1'-0"



① TREATMENT - LEVEL 1 RCP  
1/4" = 1'-0"



## NEW PLAN LEGEND

**EXISTING MATERIAL**  
**REFLECTED CEILING PLANS & ROOF PLAN**  
**NEW MATERIAL**  
**NEW ITEM**

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**Keynote Legend**

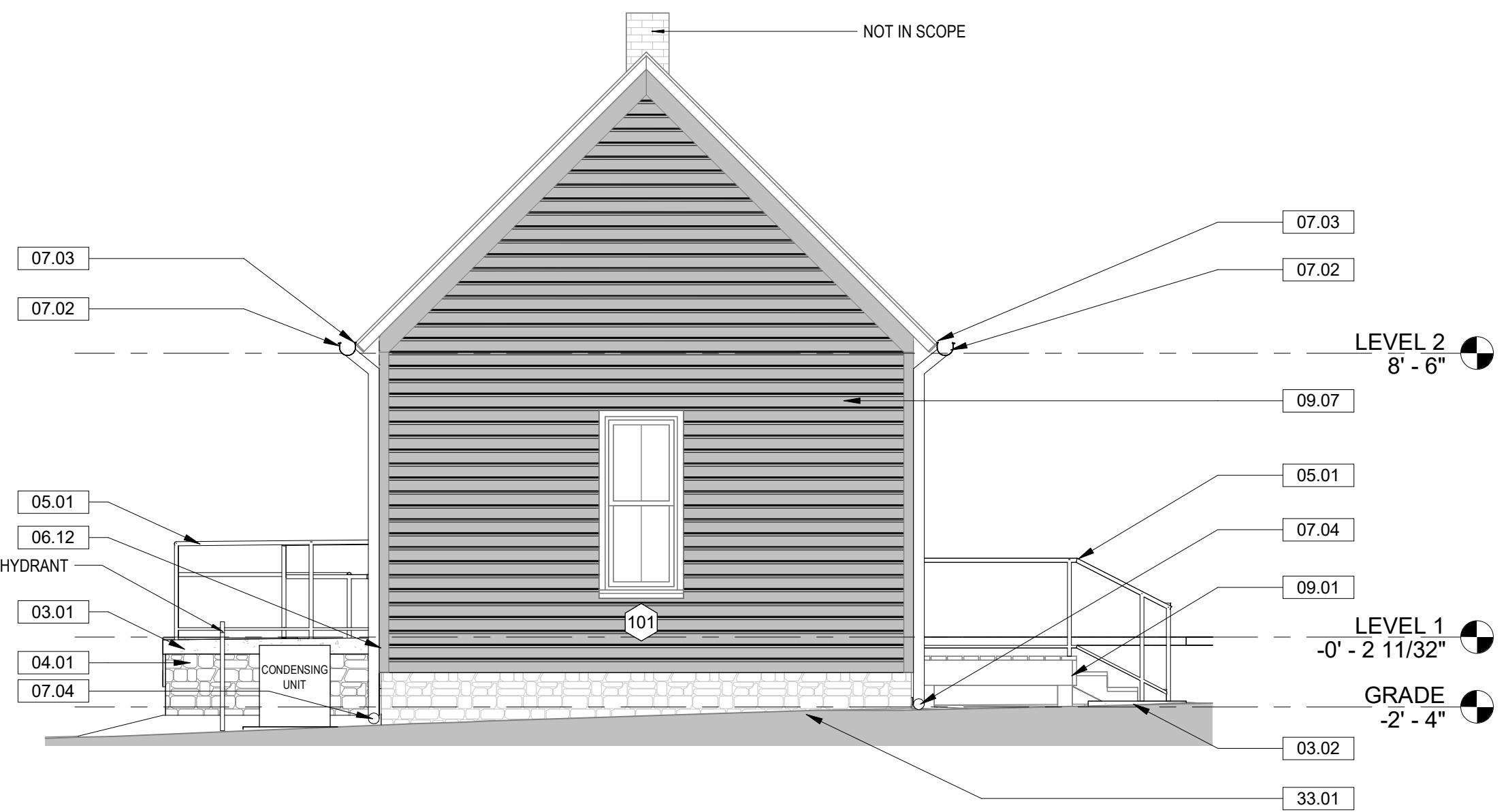
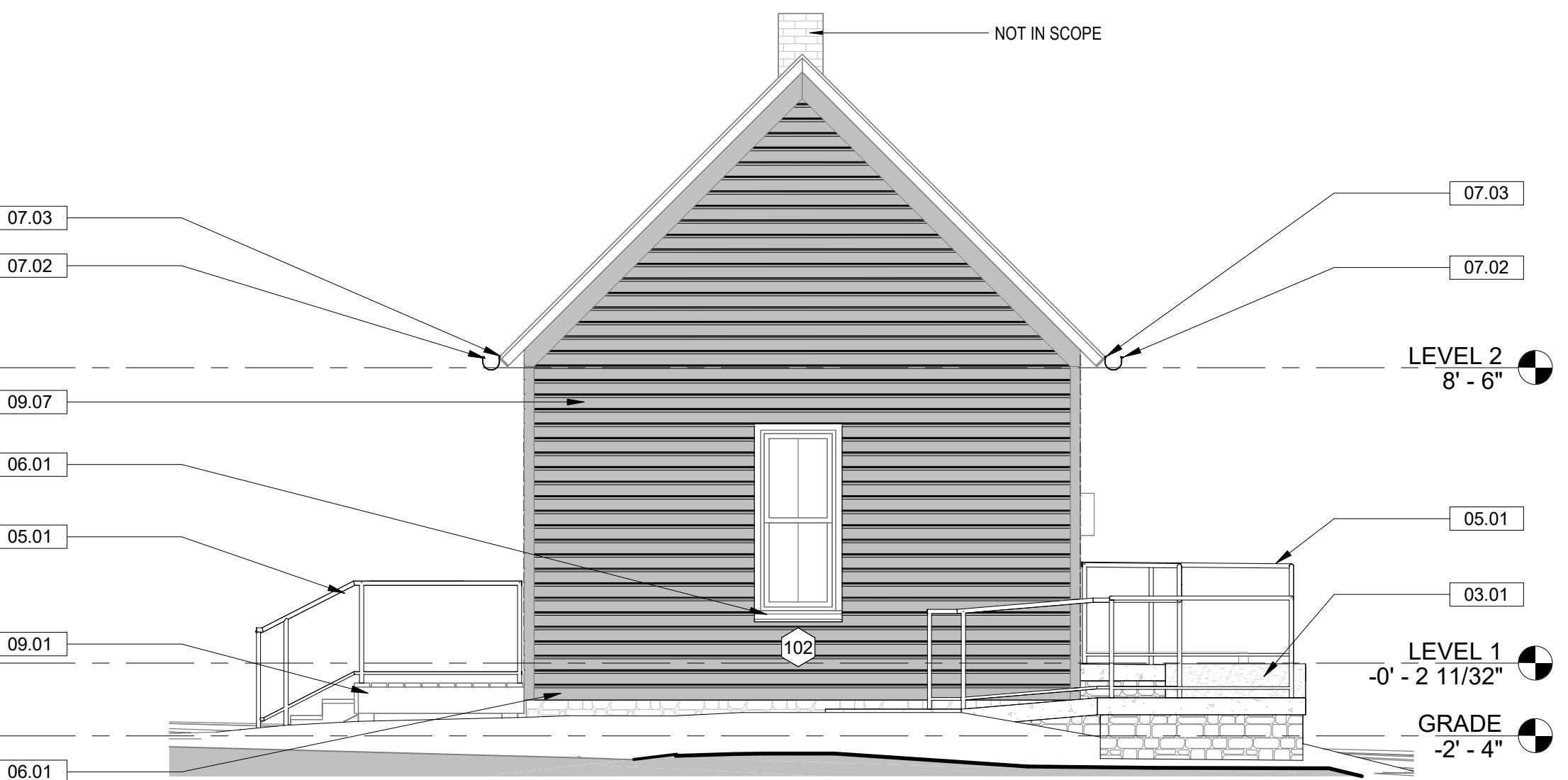
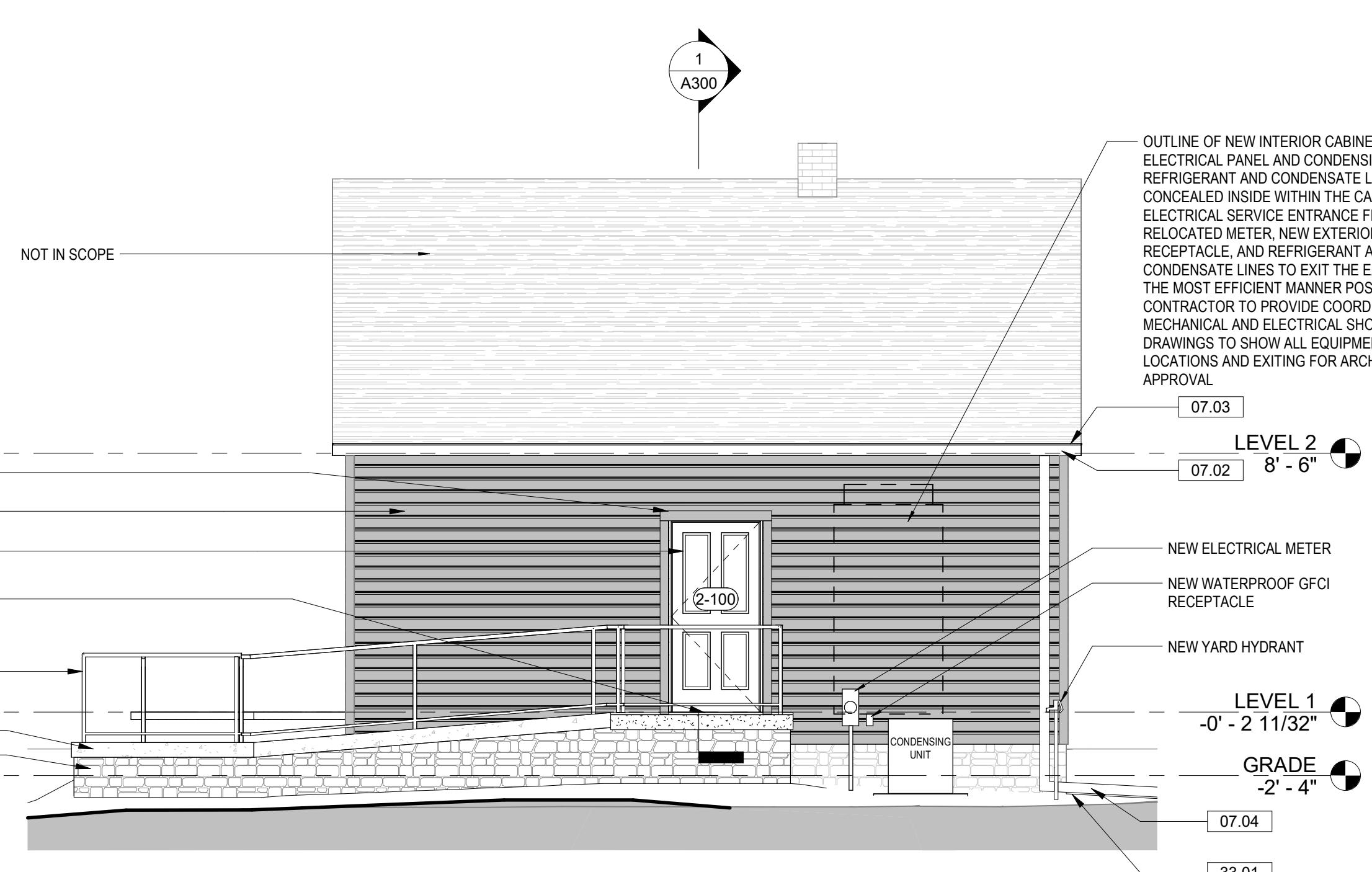
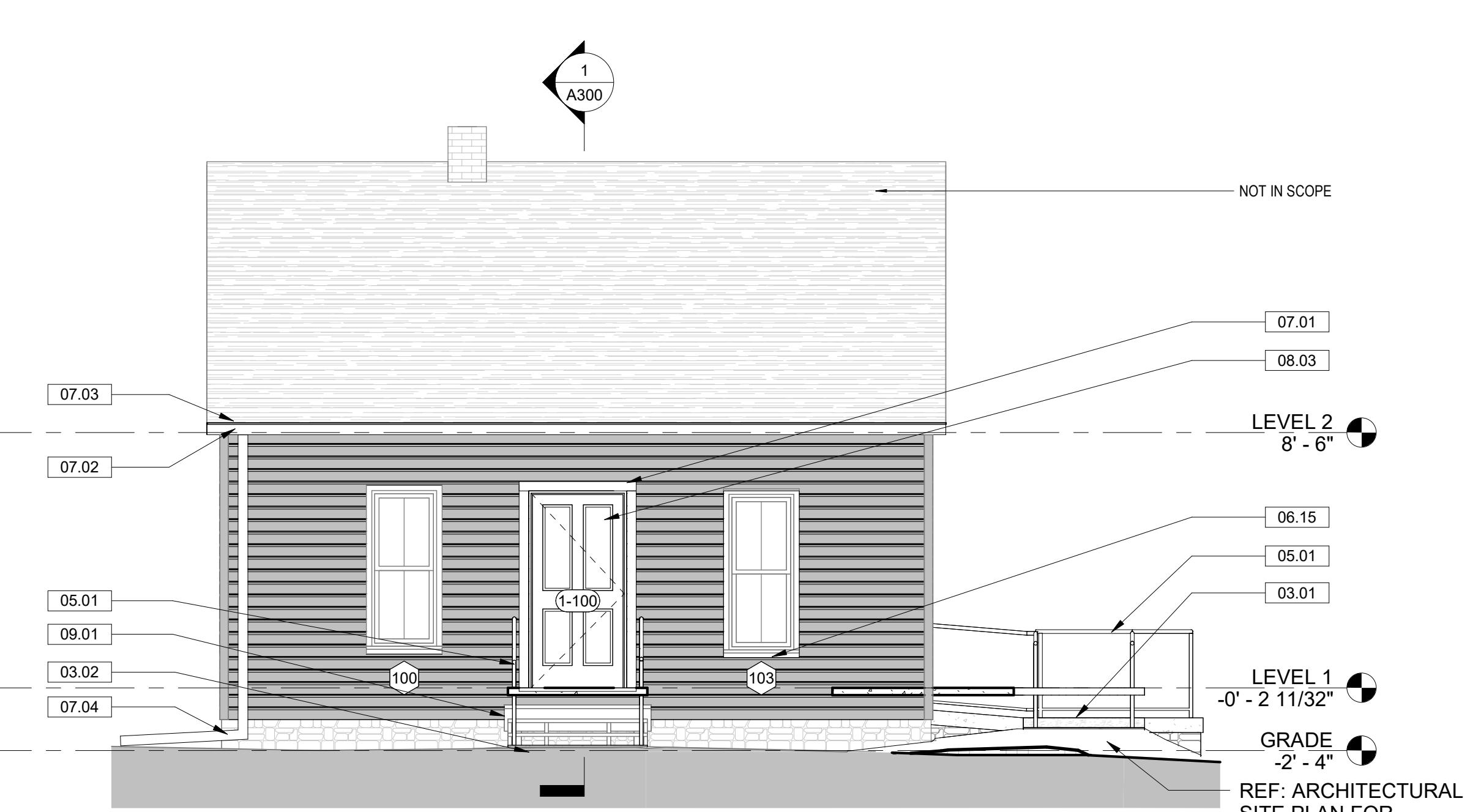
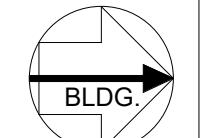
| Key Value | Keynote Text  |
|-----------|---|
| 03.01     | NEW CONCRETE AND STONE ADA RAMP. RE: STRUCTURAL.  |
| 03.02     | NEW CONCRETE PAD FOR THE BASE OF THE EXISTING WOOD STAIRS.  |
| 04.01     | 4" NATIVE LIMESTONE MIX ON THE FACE OF THE CONCRETE ADA RAMP. LIMESTONE TO MATCH EXISTING FOUNDATION NATIVE STONE BLEND. FULL DEPTH CORNER PIECES ARE TO BE USED.   |
| 05.01     | NEW GALVANIZED 1-1/2" DIAMETER PIPE HANDRAIL. RE: STRUCTURAL.   |
| 06.01     | HORIZONTAL SIDING IS TO BE REAFFIXED TO BUILDING.   |
| 06.12     | REPLACE SIDING BELOW DOOR WITH CEMENT BOARD WITH TAPED SEAMS AGAINST NEW RAMP.  |
| 06.15     | REPLACE WINDOW SILL IN KIND WITH WESTERN RED CEDAR. PROFILE TO MATCH EXISTING CONDITION. ALL EDGES TO BE PREPPED, PRIMED, AND PAINTED WITH TWO TOP COATS.   |
| 07.01     | INSTALL NEW GALVANIZED Drip FLASHING ABOVE DOOR OPENINGS  |
| 07.02     | PROVIDE AND INSTALL NEW GALVANIZED 5" HALF ROUND GUTTERS, SLOPED NORTH TO 4" GALVANIZED CORRUGATED OR SMOOTH DOWNSPOUTS.  |
| 07.03     | PROVIDE AND INSTALL NEW METAL Drip EDGE FLASHING.   |
| 07.04     | PROVIDE AND INSTALL 4" GALVANIZED CORRUGATED OR SMOOTH DOWNSPOUTS WITH 4FT EXTENSIONS AND CONCRETE SPLASH BLOCKS.   |
| 08.02     | NEW EXTERIOR GRADE DOOR. WIDTH OF DOOR OPENING INCREASED FOR ADA CLEARANCE. INSTALL NEW CUSTOM WOOD ADA-COMPLIANT THRESHOLD AND SILL. INSTALL NEW HEADER AND JAMBS. REINSTALL REFINISHED SOUTH EXTERIOR AND INTERIOR TRIM. INSTALL REPLICA HEAD AND NORTH TRIM ON INTERIOR AND EXTERIOR. INTERIOR OF DOOR TO NOT BE PAINTED.                                |
| 08.03     | GENERAL CONTRACTOR TO REINSTALLED RESTORED DOOR (BY OTHERS) EXISTING DOOR LOCATION. GENERAL CONTRACTOR TO PROVIDE AND INSTALL NEW JAMBS, NEW EXTERIOR TRIM, AND NEW ADA-COMPLIANT CUSTOM WOOD THRESHOLD AND SILL. PAINT INTERIOR AND EXTERIOR OF DOOR. PROVIDE AND INSTALL NEW REPLICA INTERIOR DOOR TRIM TO MATCH WINDOW TRIM AND EAST INTERIOR DOOR TRIM. |
| 09.01     | STAIN EXTERIOR STEPS. PREP, PRIME, AND PAINT WITH TWO COATS OF EXTERIOR OAK BROWN CABOT EXTERIOR SEMI-TRANSPARENT WOOD STAIN AND PRESERVATIVE, OR EQUAL.  |
| 09.07     | PREP, PRIME, AND PAINT EXTERIOR WOOD SIDING. PAINT WITH TWO COATS OF EXTERIOR GRADE PAINT TO MATCH HISTORIC PAINT COLOR   |
| 33.01     | ADD 4"-6" OF DIRT TO THE NORTH FAÇADE OF THE BUILDING. SEED AND INSTALL JUTE WOVEN EROSION MAT.   |

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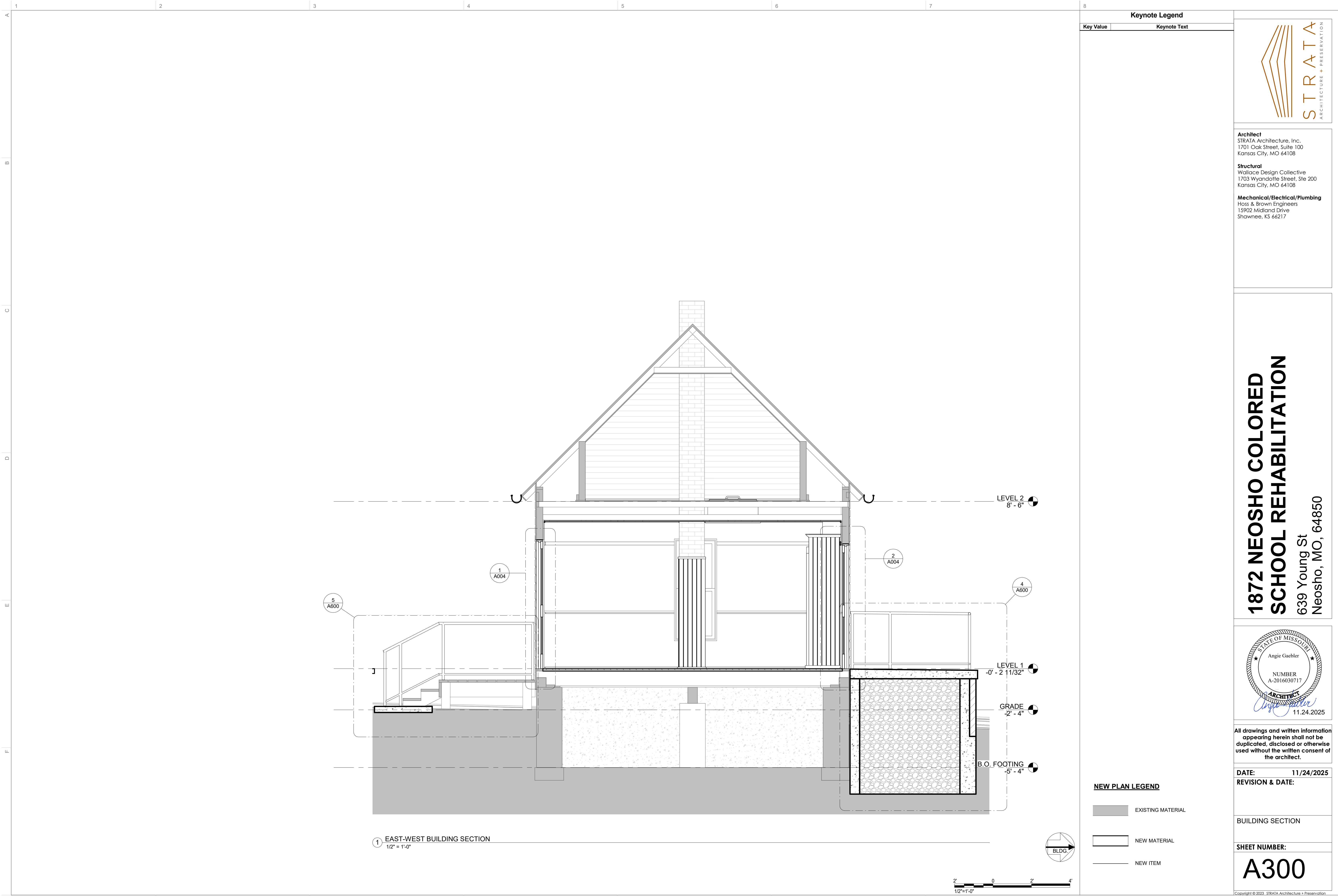
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ELEVATIONS  
NEW MATERIAL  
NEW ITEM  
SHEET NUMBER:  
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 ② TREATMENT - NORTH ELEVATION  
1/4" = 1'-0"

 ③ TREATMENT - SOUTH ELEVATION  
1/4" = 1'-0"

 ① TREATMENT - EAST ELEVATION  
1/4" = 1'-0"

 ④ TREATMENT - WEST ELEVATION  
1/4" = 1'-0"


4' 0" 4' 0" 8'

**NEW PLAN LEGEND**

|   |                   |
|---|-------------------|
| ■ | EXISTING MATERIAL |
| ■ | ELEVATIONS        |
| ■ | NEW MATERIAL      |
| — | NEW ITEM          |



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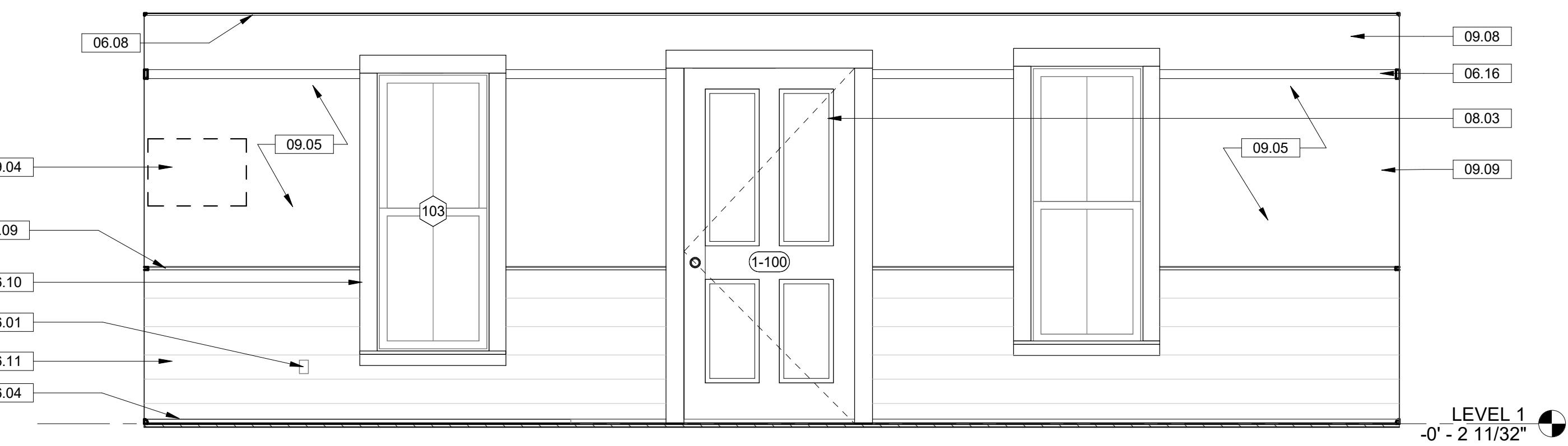
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EXISTING MATERIAL  
INTERIOR ELEVATIONS  
NEW MATERIAL  
NEW ITEM

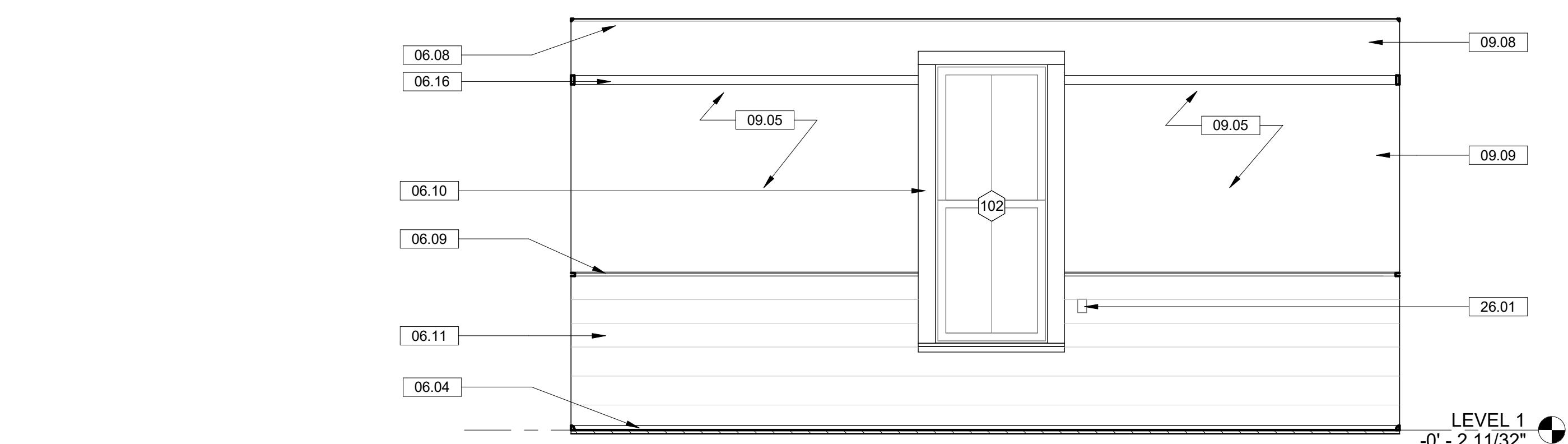
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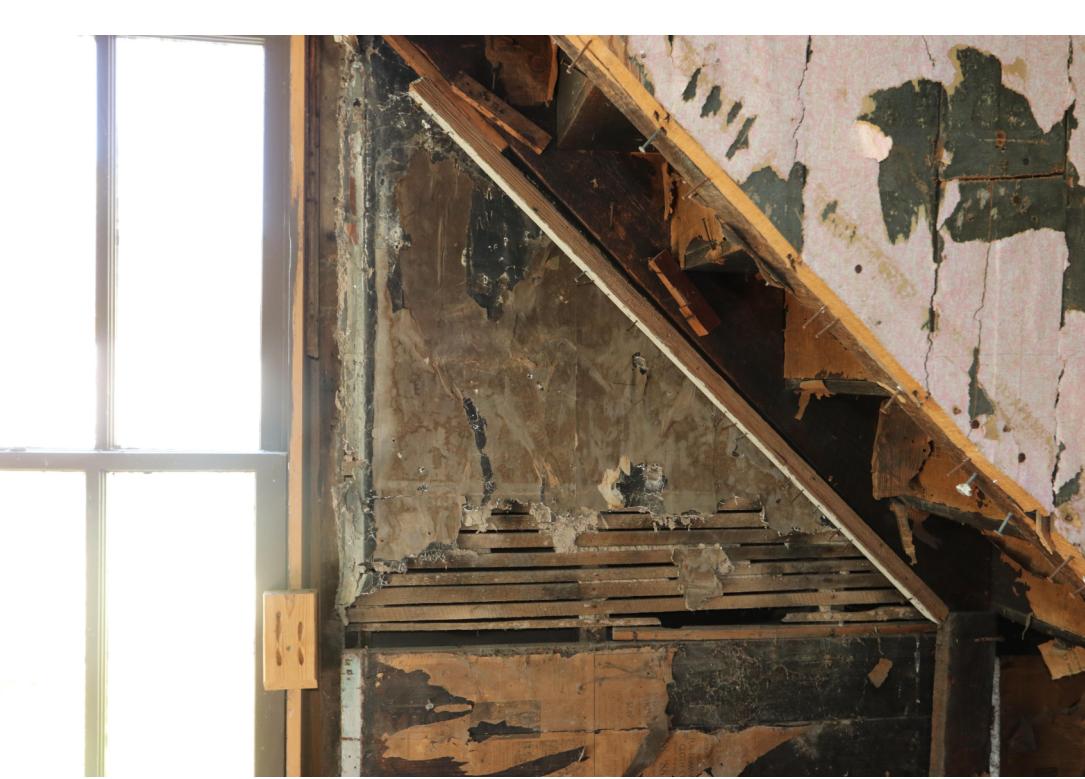
INTERIOR TREATMENT WEST  
ELEVATION 1  
1/2" = 1'-0"



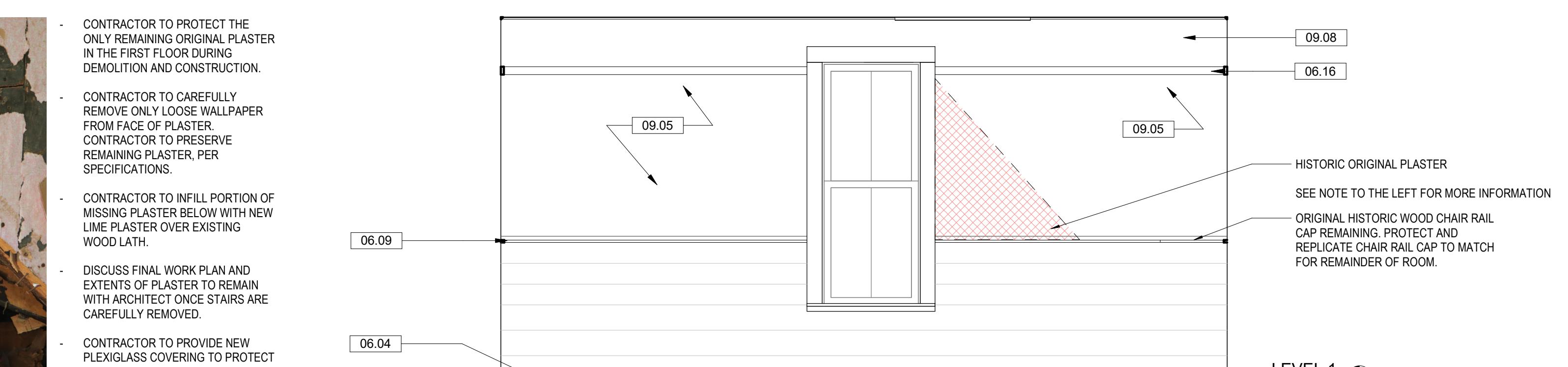
INTERIOR TREATMENT SOUTH  
ELEVATION 1  
1/2" = 1'-0"



INTERIOR TREATMENT EAST  
ELEVATION 1  
1/2" = 1'-0"



DETAIL OF HISTORIC PLASTER AREA UNDER STAIR TO BE PROTECTED  
NOT TO SCALE



INTERIOR TREATMENT NORTH  
ELEVATION 1  
1/2" = 1'-0"

**Keynote Legend**

| Key Value | Keynote Text   |
|-----------|--|
| 06.04     | CONTRACTOR TO PROVIDE NEW EXTERIOR-RATED TONGUE AND GROOVE WOOD SUBFLOOR. PROVIDE CONTINUOUS WOOD NAILER AT PERIMETER WALLS BETWEEN ENDS OF FLOOR JOISTS OR WHERE FLOOR JOISTS ARE PARALLEL TO WALL. PROVIDE A MINIMUM 1" CONTOUR SEALING SURFACE AT ENTIRE PERIMETER. GLUE WITH CONSTRUCTION ADHESIVE AND NAIL TONGUE AND GROOVE FLOORING. STAGGER SHEETS IN LONG DIRECTION. FULLY ADHESIVE PERIMETER (EDGE SURFACE) OF NEW SHEATHING TO FACE OF HISTORIC FLOORING THAT WAS PREVIOUSLY CUT FLUSH WITH THE FACE OF THE WAINGSCOTTING FOR COMPLETE SEALING OF THE CRAWLSPACE. |

06.08  
INSTALL NEW COVE TRIM AT TOP OF WALL. PAINTED TO MATCH WALL PAINT, TYPICAL THROUGHOUT FIRST FLOOR.

06.09  
REMOVE REMNANTS OF EXISTING CHAIR RAIL CAP AND NAILS. INSTALL NEW WOOD CHAIR RAIL CAP TO MATCH HISTORIC PROFILE. FINISH CHAIR RAIL TO MATCH WAINGSCOT FINISH.

06.10  
REINSTALL HISTORIC WOOD TRIM AROUND WINDOWS. SIDE, TOP, AND SILL PIECES WILL BE REFINISHED AND REPAINTED. PROVIDE AND INSTALL NEW INTERIOR WOOD SILL AND APRON TO MATCH HISTORIC WOOD WAINGSCOT SPECIES FROM OLD GROWTH WOOD TO BE REFINISHED TO MATCH WAINGSCOT SILL AND APRON TO CONCEAL CONTEMPORARY WINDOW INSTALLATION DAMAGE TO HISTORIC WAINGSCOT.

06.11  
EXISTING WOOD WAINGSCOT TO BE DUTCHMAN REPAIRED AT OLD RECEPTACLE LOCATIONS. PAINT TO BE REMOVED CAREFULLY TO NOT GOUGE SURFACE AND FINISHED WITH OSMO POLYX-OIL. NEW SHOE MOLD TO BE ADDED AT THE BASE OF THE WAINGSCOT TO BE MATCH WAINGSCOT.

06.16  
INSTALL NEW 3/4"X2" REPLICA WOOD CHALKBOARD TRIM AROUND THE PERIMETER OF THE ROOM. WOOD WAINGSCOT HISTORIC WAINGSCOT SPECIES AND BE MANUFACTURED FROM OLD GROWTH WOOD. FINISH TO MATCH WAINGSCOT AND HISTORIC TRIM.

08.02  
NEW EXTERIOR GRADE DOOR. WIDTH OF DOOR OPENING INCREASED FOR ADA CLEARANCE. INSTALL NEW CUSTOM WOOD ADA-COMPLIANT THRESHOLD AND SILL. INSTALL NEW HEADER AND JAMBS. REINSTALL REFINISHED SOUTH EXTERIOR AND INTERIOR TRIM. INSTALL REPLICA HEAD AND NORTH TRIM ON INTERIOR AND EXTERIOR. INTERIOR OF DOOR TO NOT BE PAINTED.

08.03  
GENERAL CONTRACTOR TO REINSTALLED RESTORED DOOR (BY OTHERS) EXISTING DOOR LOCATION. GENERAL CONTRACTOR TO PROVIDE AND INSTALL NEW JAMBS, NEW EXTERIOR TRIM, NEW ADA-COMPLIANT CUSTOM WOOD THRESHOLD AND SILL. PAINT INTERIOR AND EXTERIOR OF DOOR. PROVIDE AND INSTALL NEW REPLICA INTERIOR DOOR TRIM TO MATCH WINDOW TRIM AND EAST INTERIOR DOOR TRIM.

09.04  
INFILL HOLE IN WALL WITH NEW LATH AND NEW PLASTER. FINISH EDGES TO OBSCURE PREVIOUS OPENING.

09.05  
TYPICAL ENTIRE ROOM. CONTRACTOR TO INSPECT PLASTER TO ENSURE IT IS SECURE AND WELL-ADHERED TO THE WOOD LATH. REPAIR ALL EXISTING PLASTER TO REMAIN. FILL CRACKS. INFILL MISSING PLASTER, PER SPECIFICATIONS. AFTER REPAIRS HAVE FULLY SET, CLEAN WALL THOROUGHLY WITH HOT WATER AND LIGHT DETERGENT TO REMOVE WALLPAPER. PAINT ALL SURFACES DRY. INSTALL BONDING AGENT AND A 1/4" X 3/16" SKIM COAT OF GYPSUM PLASTER TO CREATE A SMOOTH SURFACE FOR CHALKBOARD PAINT.

09.08  
PREP, PRIME, AND PAINT AREA ABOVE CHALKBOARD PAINT PURPLE WHITE, SW 7005. INTERIOR PAINT.

09.09  
PREP, PRIME, AND PAINT AREA WITHIN CHALKBOARD FIELD. FINISH COAT TO BE CHALKBOARD BLACK PAINT.

26.01  
EXISTING RECEPTACLE TO BE DUTCHMAN INFILLED WITH APPROPRIATE WOOD TO MATCH EXISTING INFILL TO BE FINISHED TO MATCH WAINGSCOT FINISH.

8

CONTRACTOR TO PROTECT THE ONLY REMAINING ORIGINAL PLASTER IN THE FIRST FLOOR DURING DEMOLITION AND CONSTRUCTION.

CONTRACTOR TO CAREFULLY REMOVE ONLY LOOSE WALLPAPER FROM FACE OF PLASTER. CONTRACTOR TO PRESERVE REMAINING PLASTER, PER SPECIFICATIONS.

CONTRACTOR TO INFILL PORTION OF MISSING PLASTER BELOW WITH NEW LIME PLASTER OVER EXISTING WOOD LATH.

DISCUSS FINAL WORK PLAN AND EXTENTS OF PLASTER TO REMAIN WITH ARCHITECT ONCE STAIRS ARE CAREFULLY REMOVED.

CONTRACTOR TO PROVIDE NEW PLEXIGLASS COVERING TO PROTECT PLASTER FOR INTERPRETATION.

INTERIOR TREATMENT NORTH  
ELEVATION 1  
1/2" = 1'-0"

2' 0' 2' 4'  
1/2" = 1'-0"

NEW PLAN LEGEND

EXISTING MATERIAL

INTERIOR ELEVATIONS

NEW MATERIAL

NEW ITEM

1

2

3

4

5

6

7

8



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15902 Midland Drive  
Shawnee, KS 66217

# 1872 NEOSHO COLORED SCHOOL REHABILITATION

639 Young St  
Neosho, MO, 64850



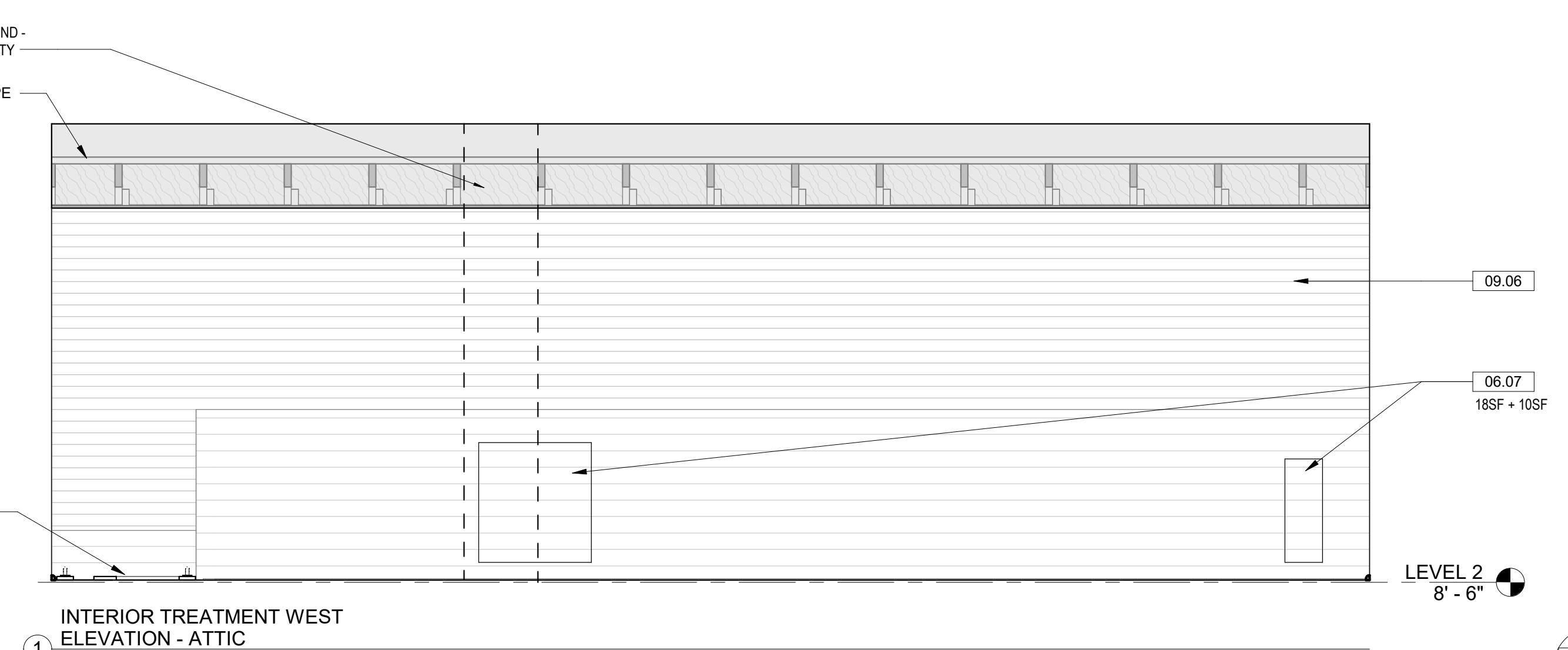
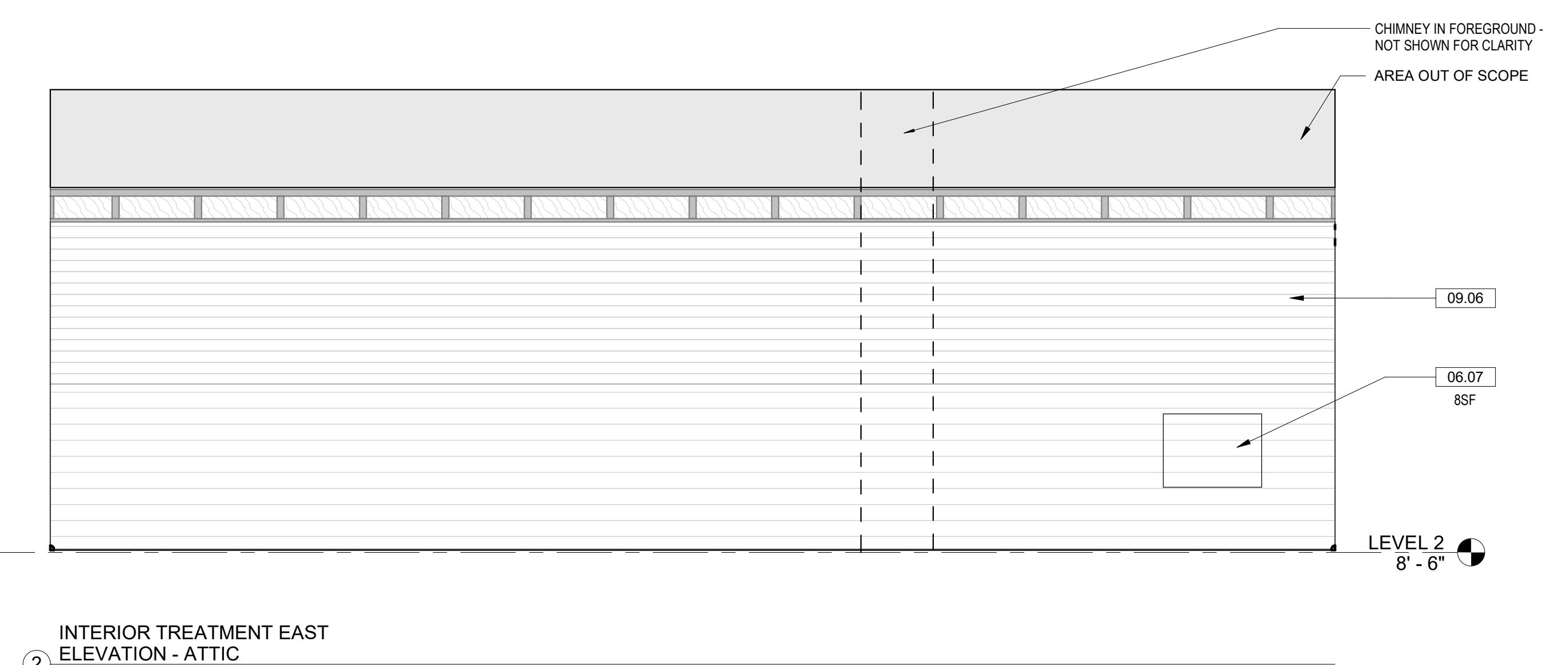
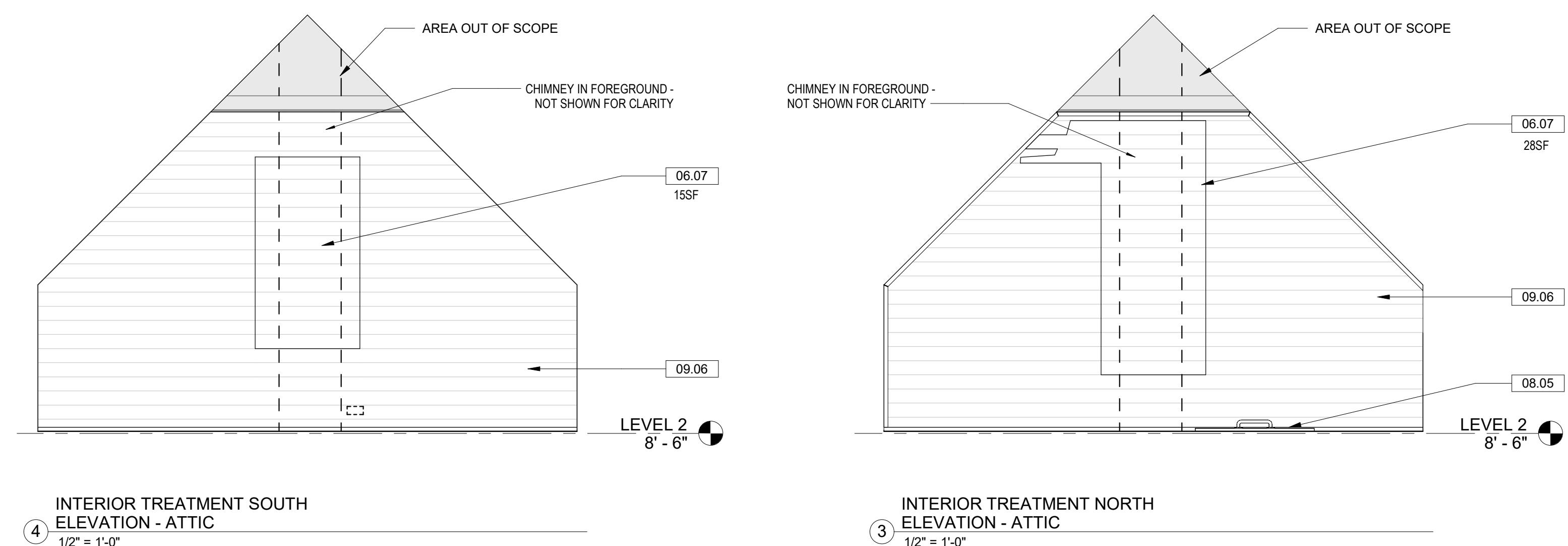
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**DATE:** 11/24/2025  
**REVISION & DATE:**

**NEW PLAN LEGEND**  
EXISTING MATERIAL  
INTERIOR ELEVATIONS  
NEW MATERIAL  
NEW ITEM  
**SHEET NUMBER:**  
**A401**

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| Key Value | Keynote Text   |
|-----------|--|
| 06.07     | INFILL WALLS AND CEILING WITH BEADBOARD TO MATCH EXISTING PROFILE. ENSURE NEW BEADED BOARDS ARE FULLY SEADED ON FRAMING FOR ADEQUATE NAILING. IF NEEDED, INSTALL FULL-HEIGHT NAILER FOR ADDITIONAL SUPPORT TO ADJACENT VERTICAL STUDS. PREP, PRIME, AND PAINT ALL WALLS AND CEILING IN ATTIC |
| 08.05     | ACCESS HATCH TO ATTIC UTILIZING THE EXISTING OPENING.  |
| 09.06     | PREP, PRIME, AND PAINT BEADED BOARD WALL.  |



2' 0' 2' 4'  
1/2=1'-0"

Keynote Legend

| Key Value | Keynote Text  |
|-----------|---|
| 03.01     | NEW CONCRETE AND STONE ADA RAMP, RE: STRUCTURAL   |
| 04.01     | 4' NATIVE LIMESTONE MIX ON THE FACE OF THE CONCRETE ADA RAMP, LIMESTONE TO MATCH EXISTING FOUNDATION NATIVE STONE BLEND, FULL DEPTH CORNER PIECES ARE TO BE USED. |
| 05.01     | NEW GALVANIZED 1-1/2" DIAMETER PIPE HANDRAIL, RE: STRUCTURAL  |
| 06.12     | REPLACE SIDING BELOW DOOR WITH CEMENT BOARD WITH TAPED SEAMS AGAINST NEW RAMP.  |

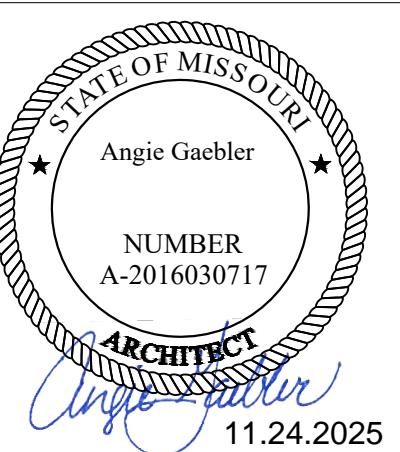
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# 1872 NEOSHO COLORED SCHOOL REHABILITATION

639 Young St  
Neosho, MO, 64850



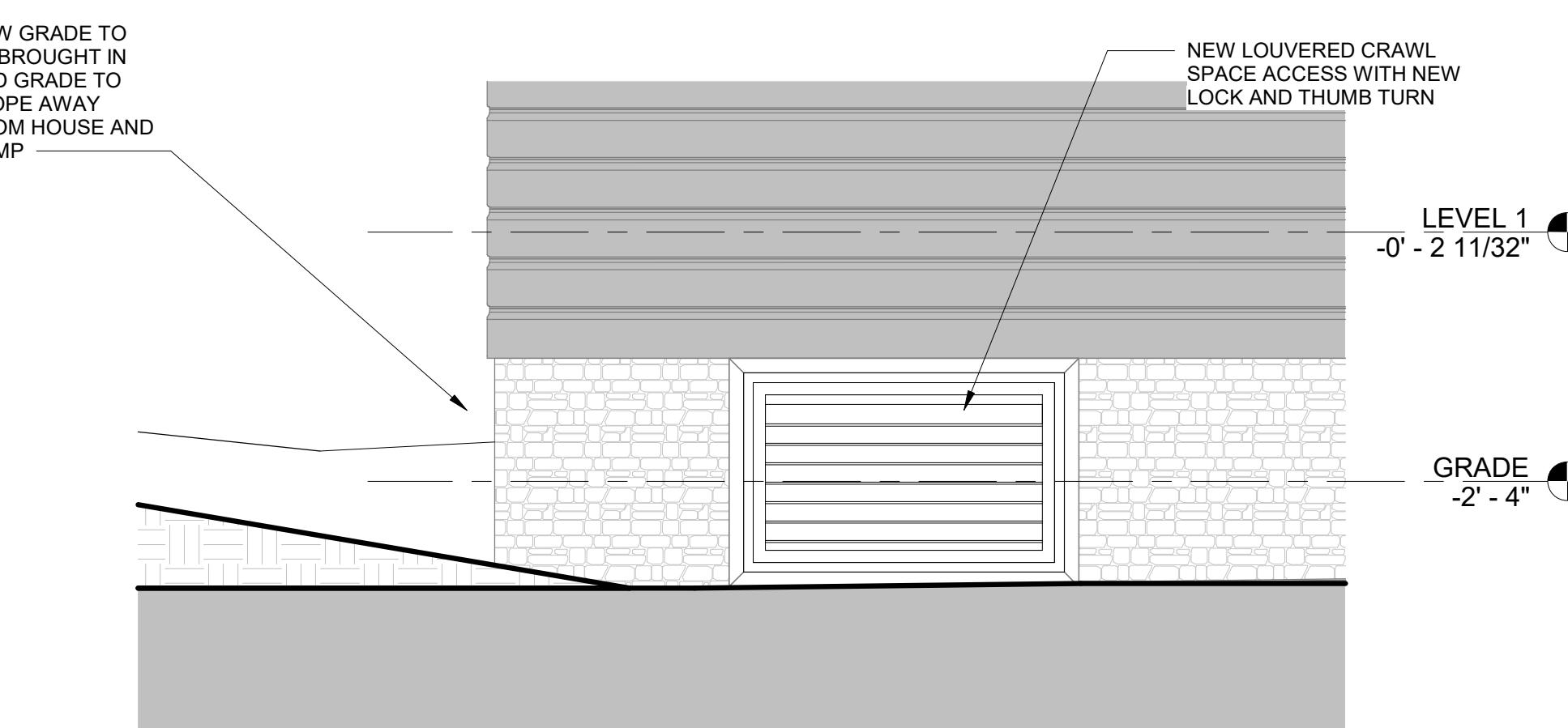
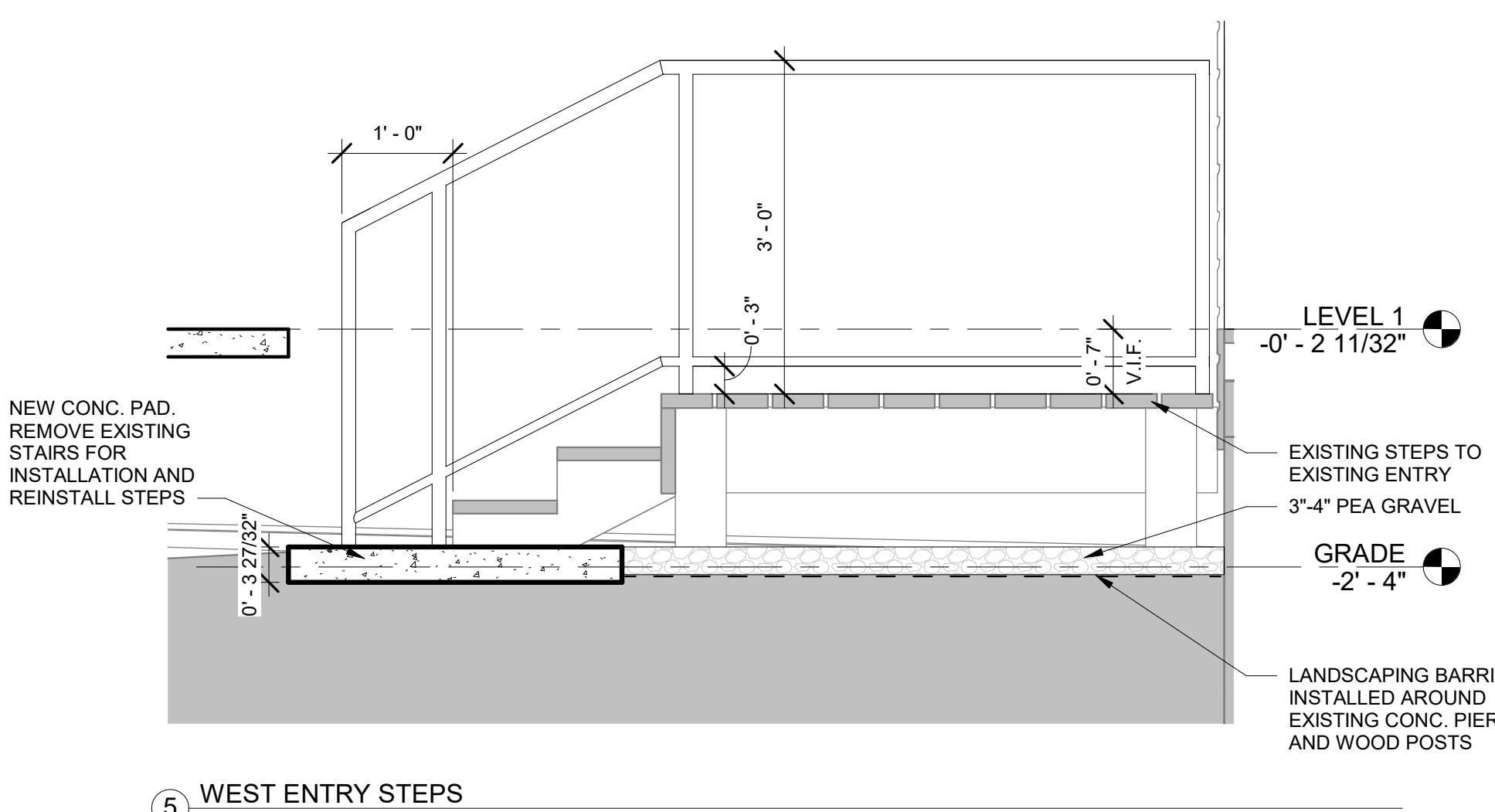
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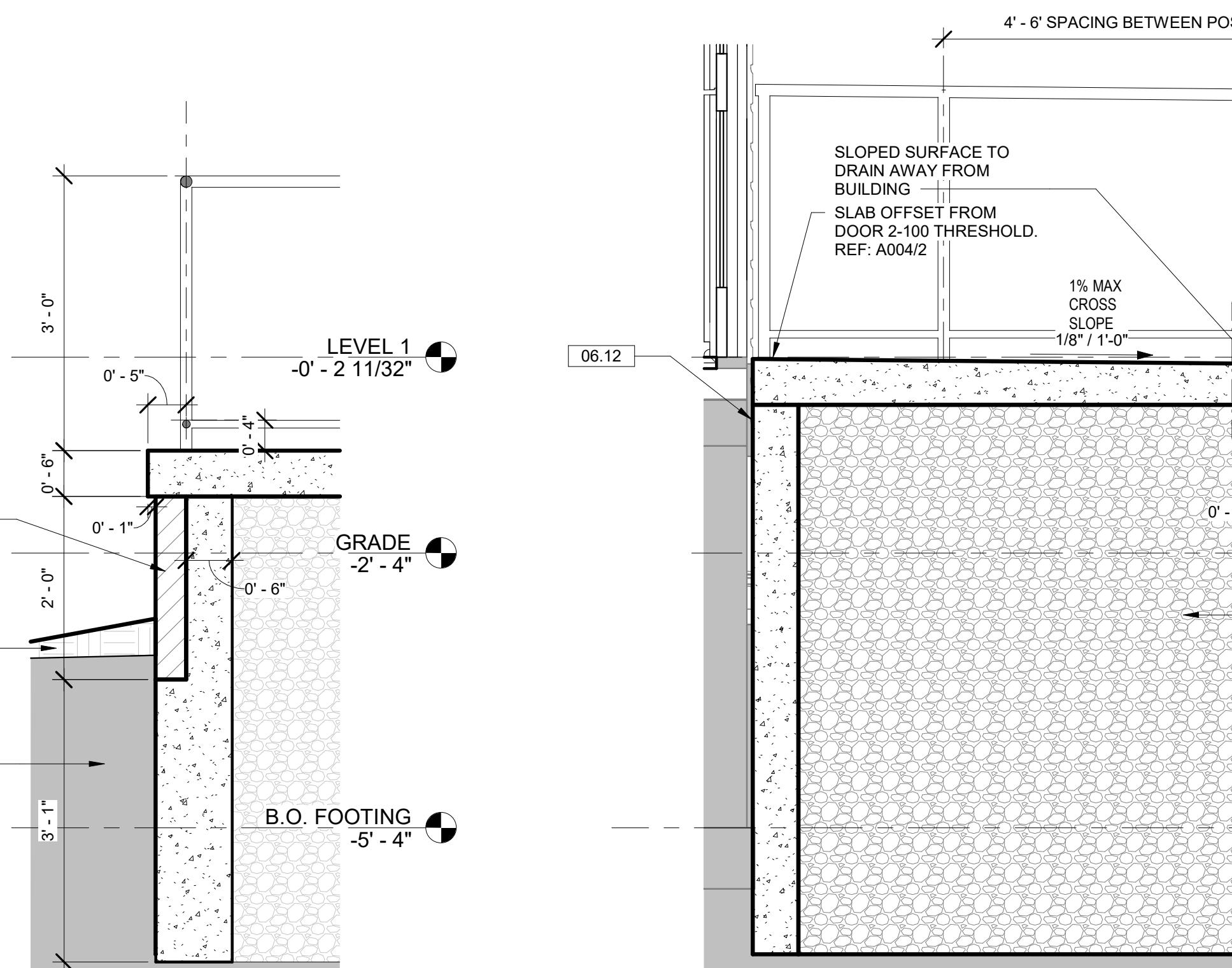
RAMP ENLARGED DRAWINGS

SHEET NUMBER:

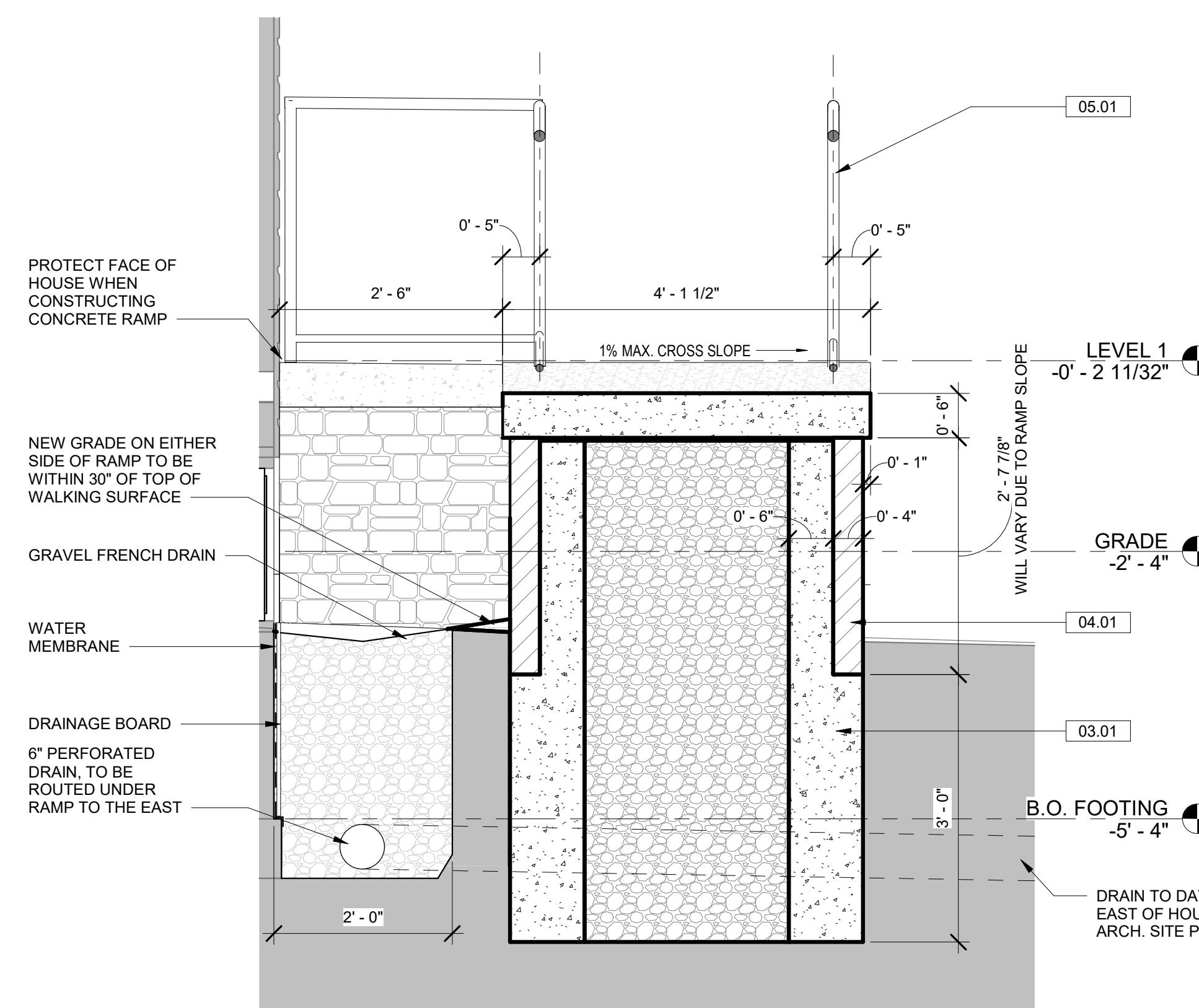
A600



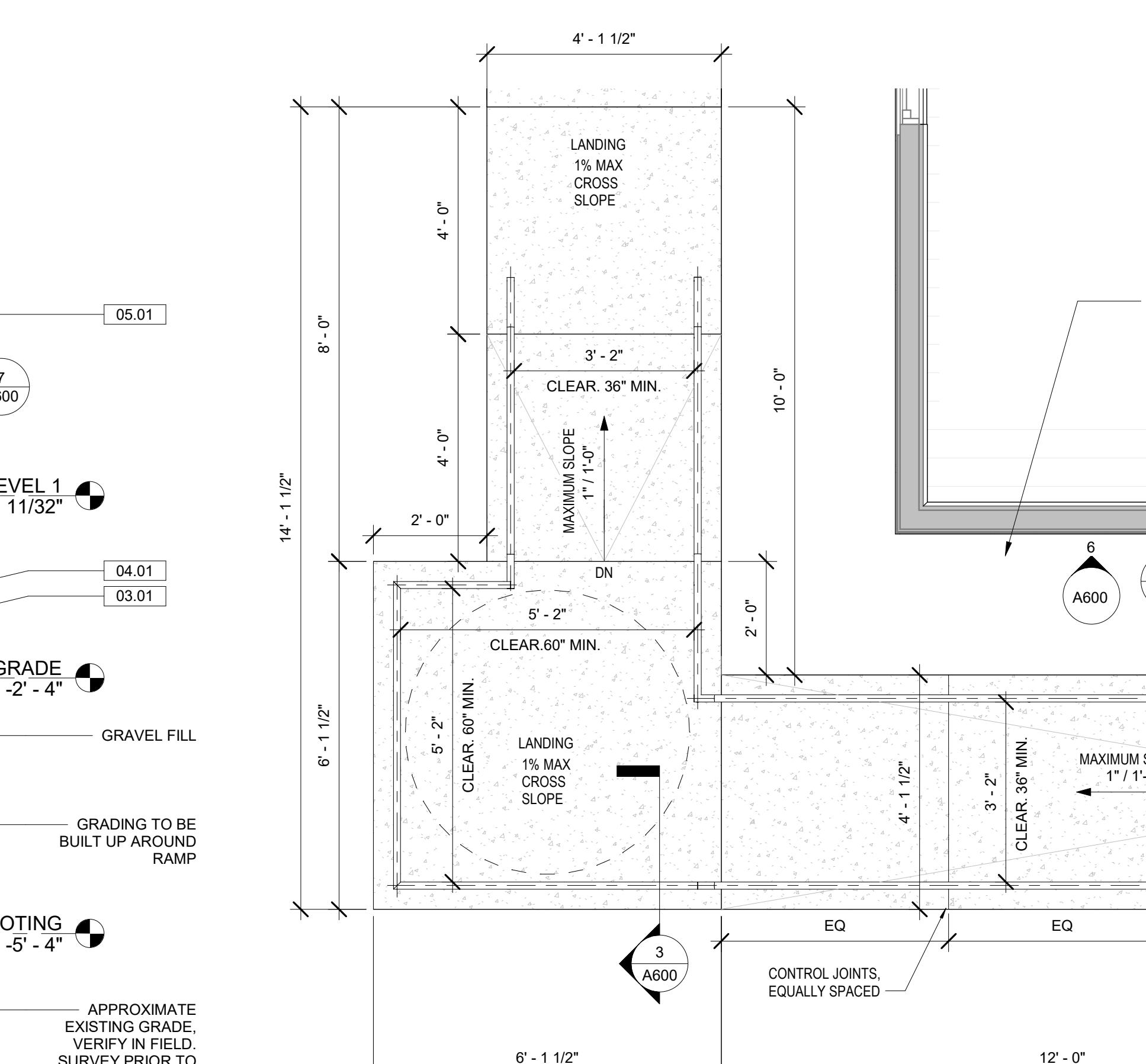
5) WEST ENTRY STEPS  
3/4" = 1'-0"



3) RAMP & RAILING SECTION  
3/4" = 1'-0"



2) RAMP SECTION  
3/4" = 1'-0"

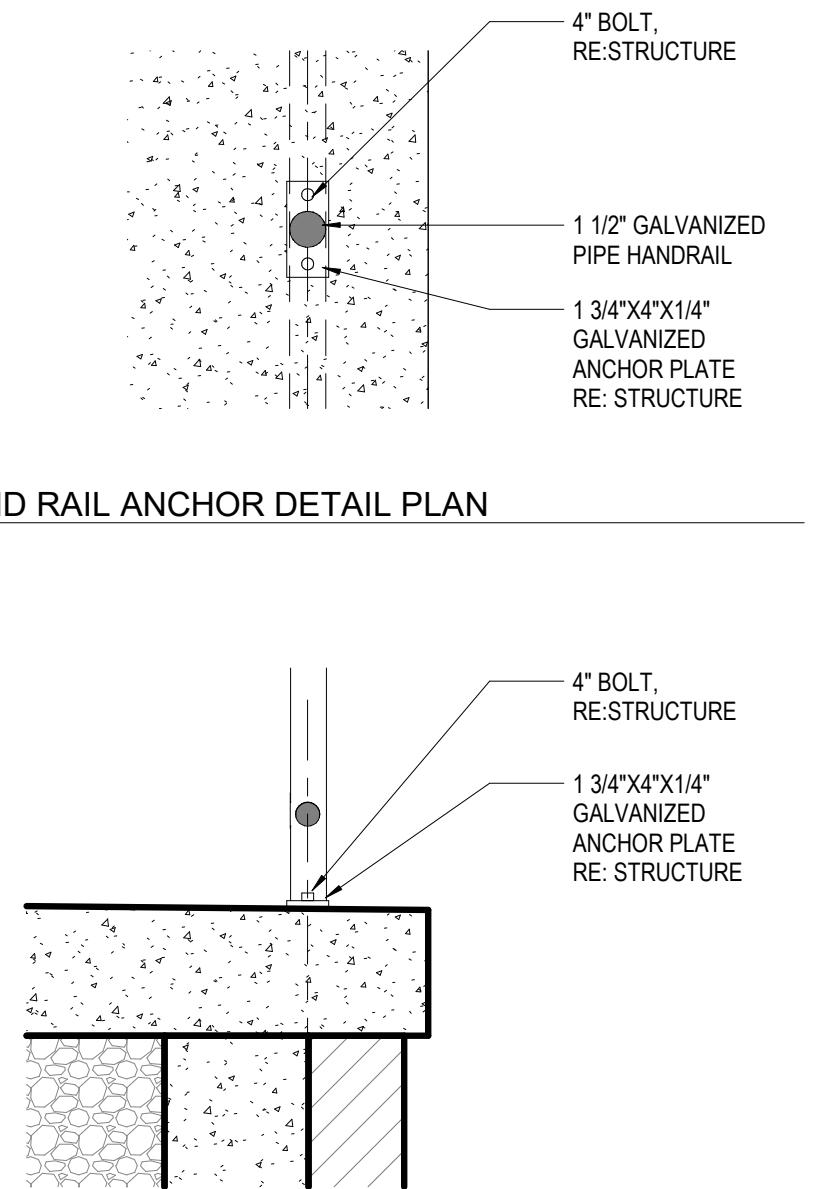


4) TOP LANDING OF RAMP SECTION  
3/4" = 1'-0"

1) TREATMENT - RAMP ENLARGED DRAWING  
1/2" = 1'-0"



7) TYP. HAND RAIL ANCHOR DETAIL  
1 1/2" = 1'-0"



8) TYP. HAND RAIL ANCHOR DETAIL PLAN  
1 1/2" = 1'-0"

# 1872 NEOSHO COLORED SCHOOL REHABILITATION

639 Young St  
Neosho, MO, 64850

State of Missouri  
Angie Gaebler  
Number A-2016030717  
Architect Angie Gaebler  
11.24.2025

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DATE: 11/24/2025  
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ARCHITECTURAL DETAILS

SHEET NUMBER:

A601

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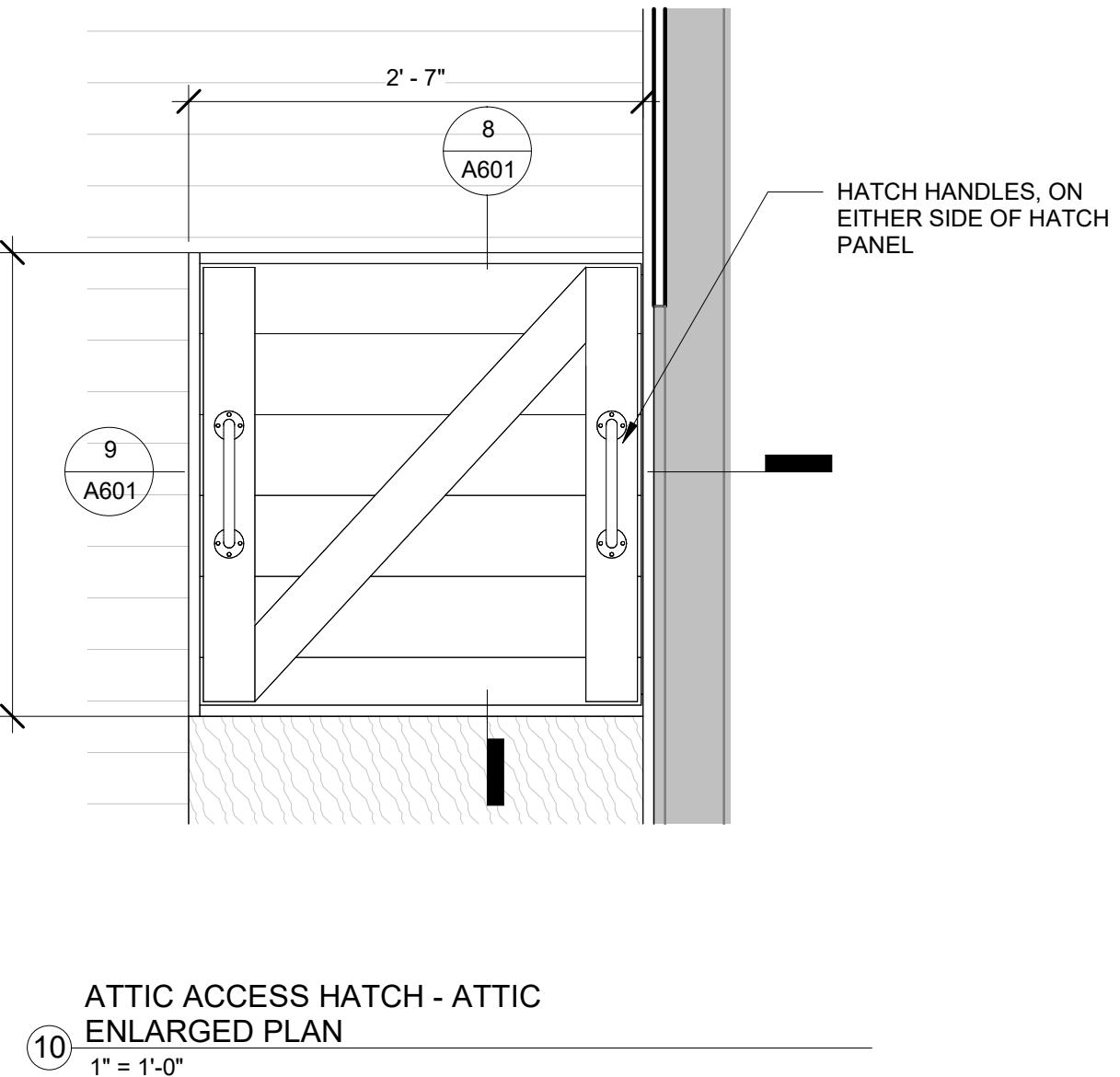
## FINISH NOTES

1. SALVAGED HISTORIC TRIM TO BE REINSTALLED. PRIOR TO REINSTALLATION, TRIM IS TO BE PREPARED CAREFULLY AS TO NOT GOUGE WOOD SURFACE. FINISH WITH OSMO POLYX-OIL.
2. INSPECT HISTORIC TRIM. SHOULD SUPPLEMENTAL TRIM BE NECESSARY, MATCH HISTORIC WOOD SPECIES AND DIMENSIONS. FINISH LIKE NEW TRIM.
3. NEW TRIM NOTED TO REMAIN UNPAINTED TO BE FINISHED WITH OSMO POLY-OIL.
4. NEW TRIM NOTED TO BE PAINTED SHALL BE PAINTED PURE WHITE, SW 7005.
5. MEP CABINET AND BRACKETED CHIMNEY CABINET TO BE PAINTED PURE WHITE, SW 7005

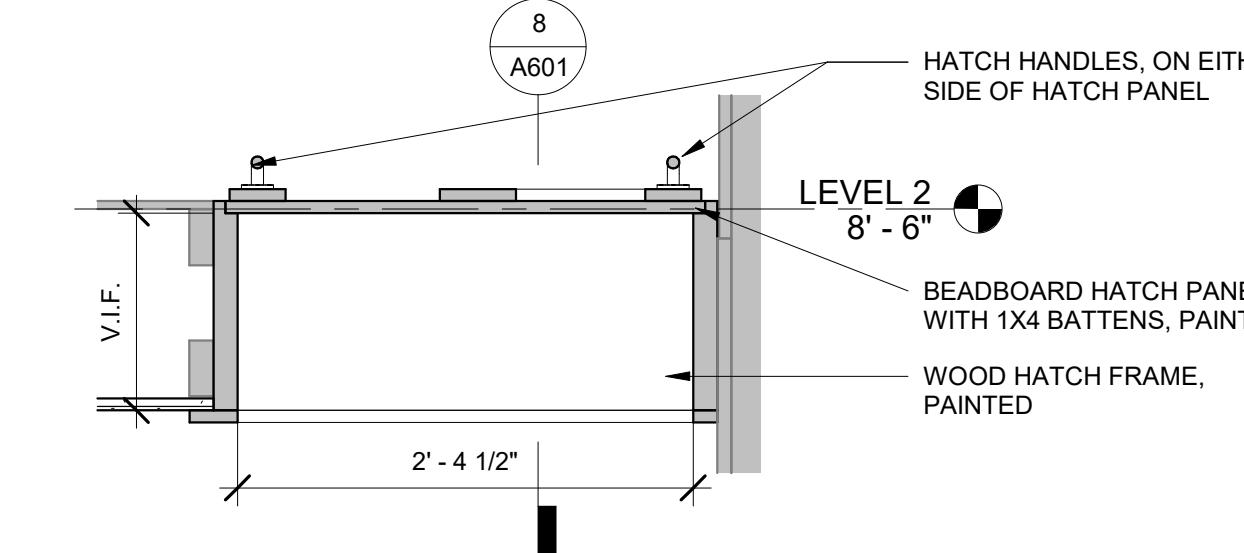
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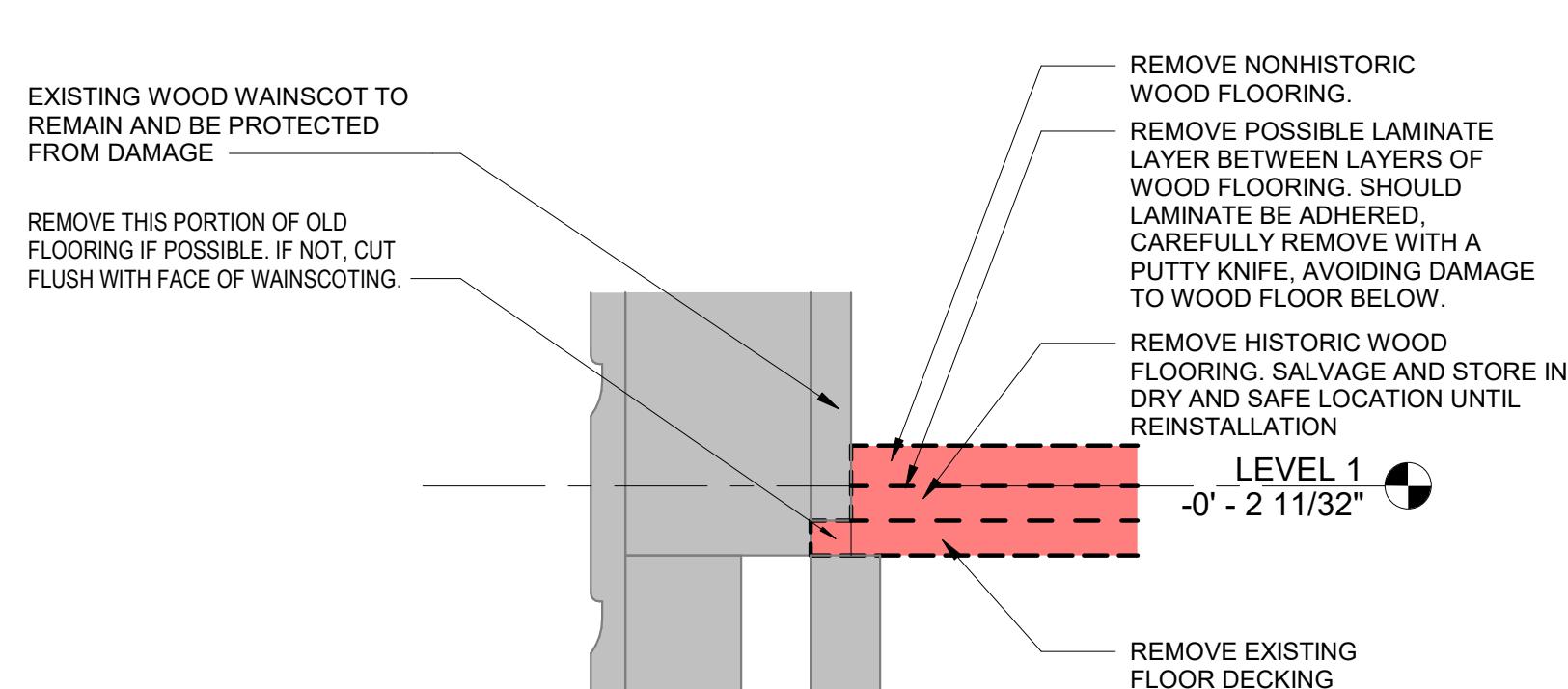
**Mechanical/Electrical/Plumbing**  
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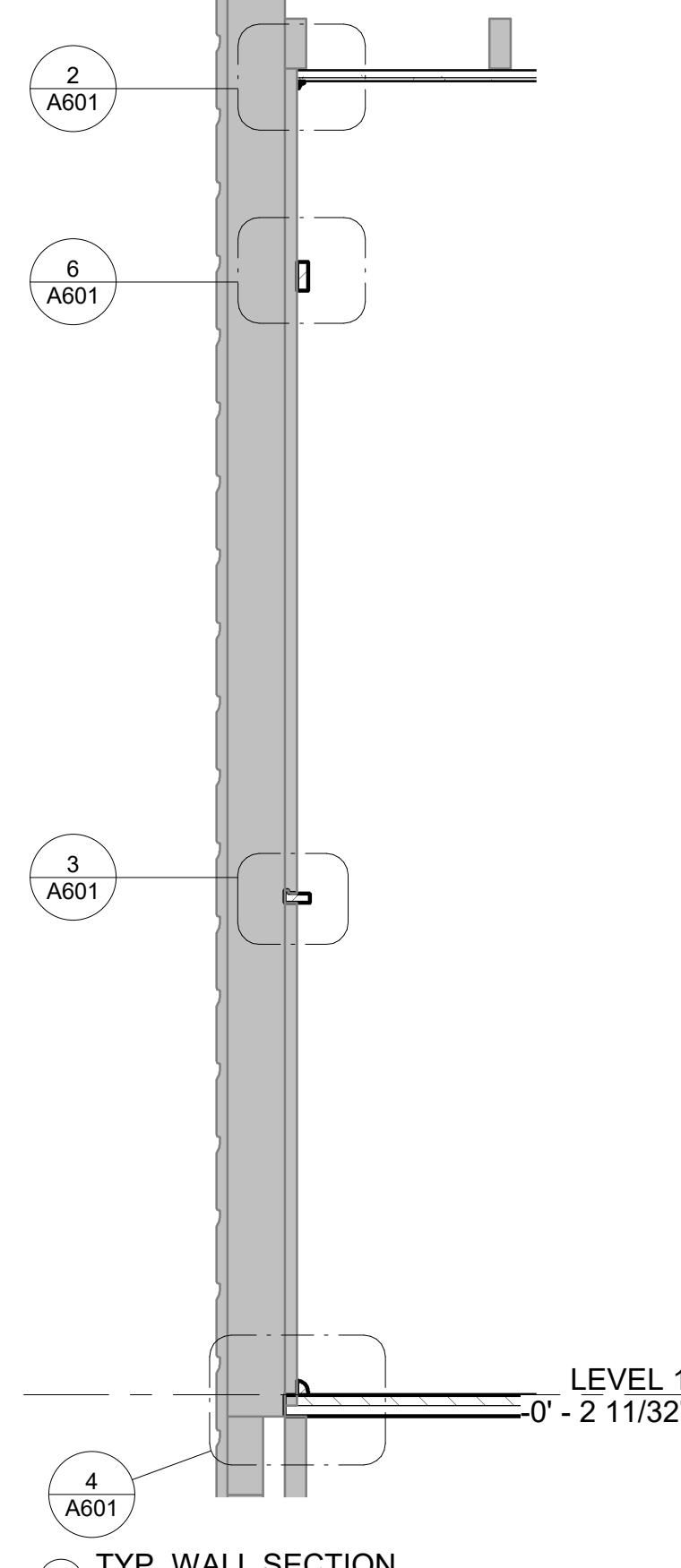
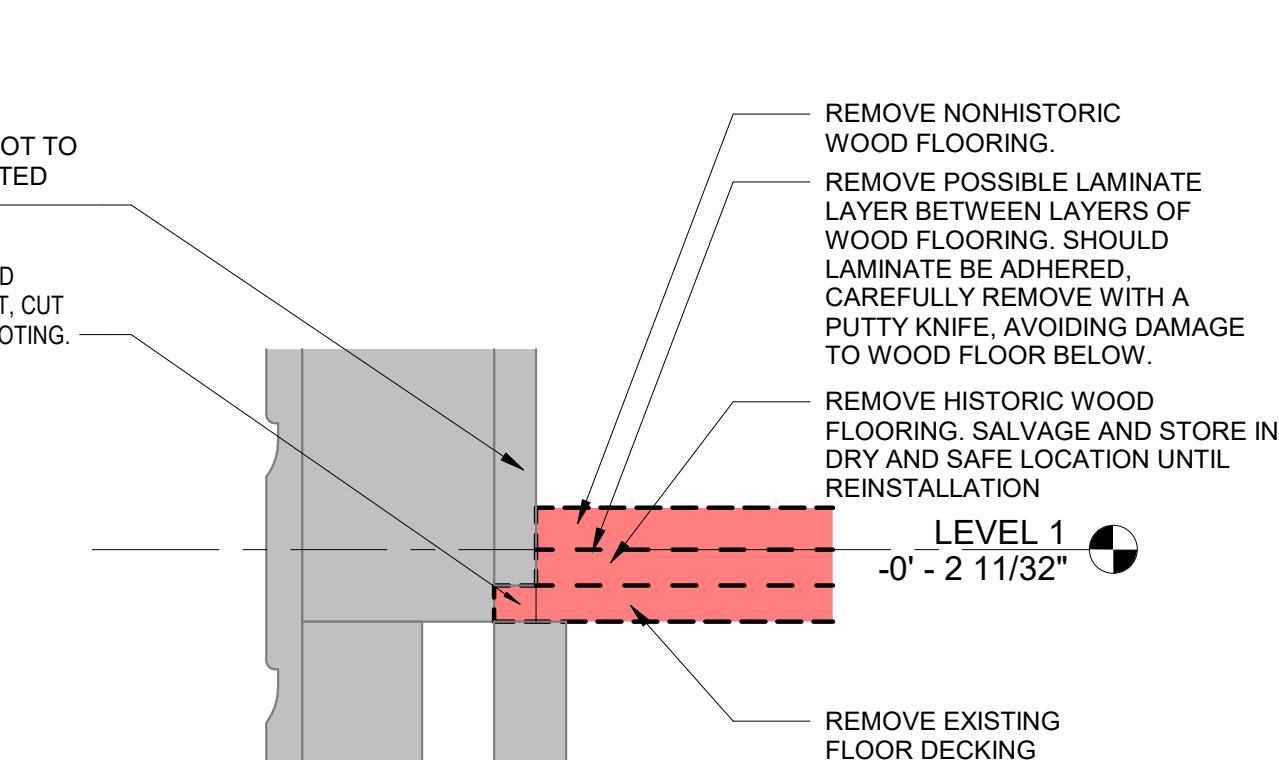
ATTIC ACCESS HATCH - FIRST FLOOR  
ENLARGED RCP  
7 1" = 1'-0"



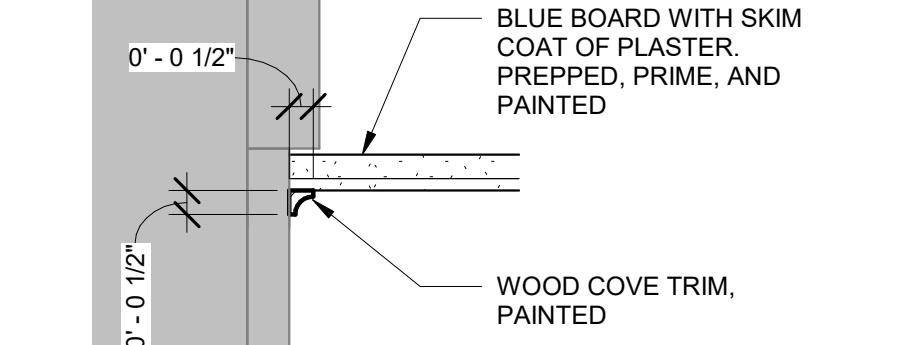
EAST-WEST ATTIC ACCE HATCH SECTION  
9 1" = 1'-0"



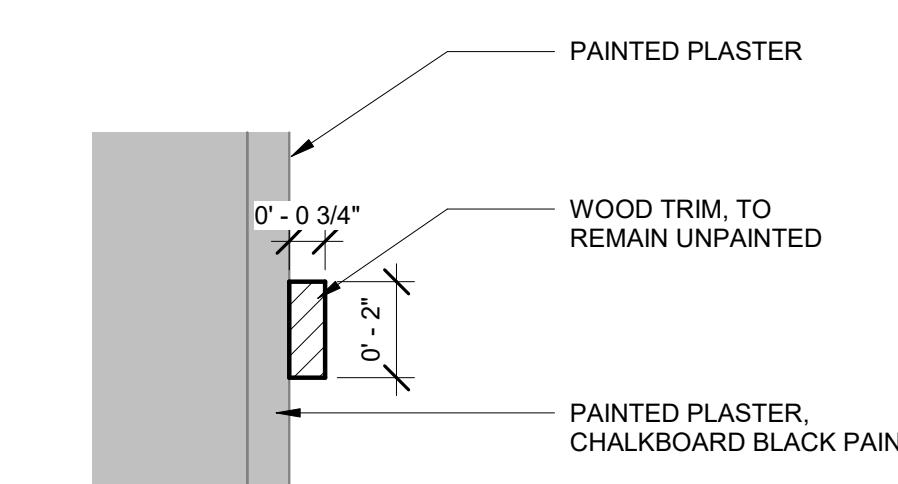
DEMO. EXISTING FLOOR DETAIL  
5 3" = 1'-0"



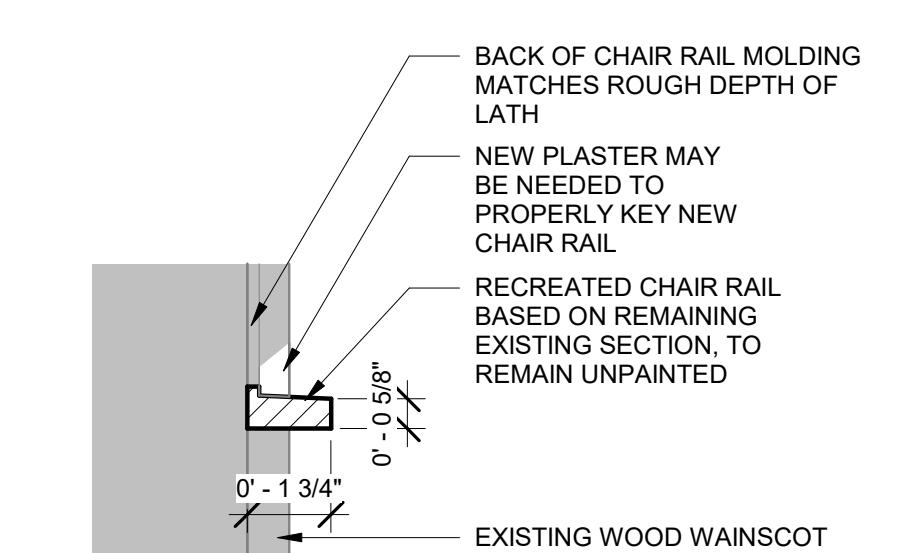
TYP. WALL SECTION  
1 1" = 1'-0"



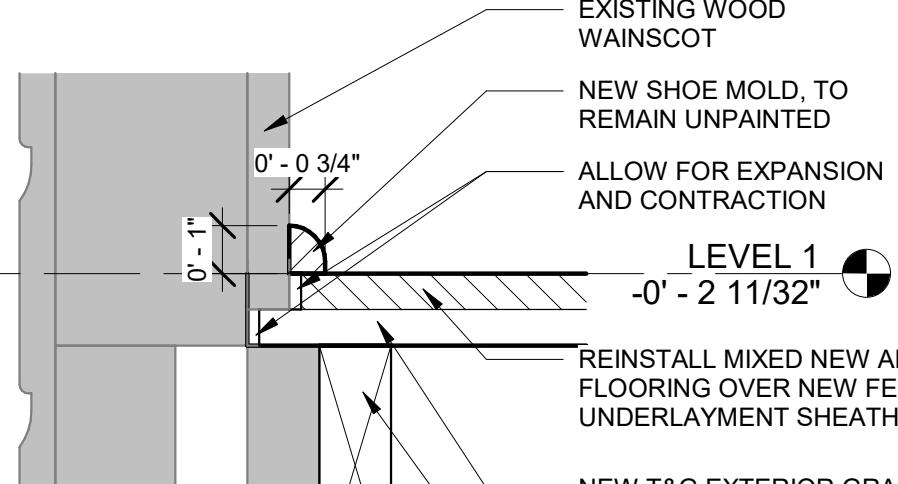
TYP. CEILING TRIM DETAIL  
2 3" = 1'-0"



TYP. CHACKBOARD TRIM DETAIL  
6 3" = 1'-0"



TYP. CHAIR RAIL DETAIL  
3 3" = 1'-0"

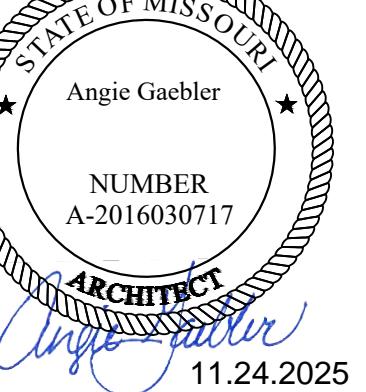


TYP. FLOOR TRIM DETAIL  
4 3" = 1'-0"

6" 3" = 1'-0" 0 6" 1" 1" 0 1" 2" 2"

# 1872 NEOSHO COLORED SCHOOL REHABILITATION

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Neosho, MO, 64850



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REVISION & DATE:

MEP CABINET DETAILS

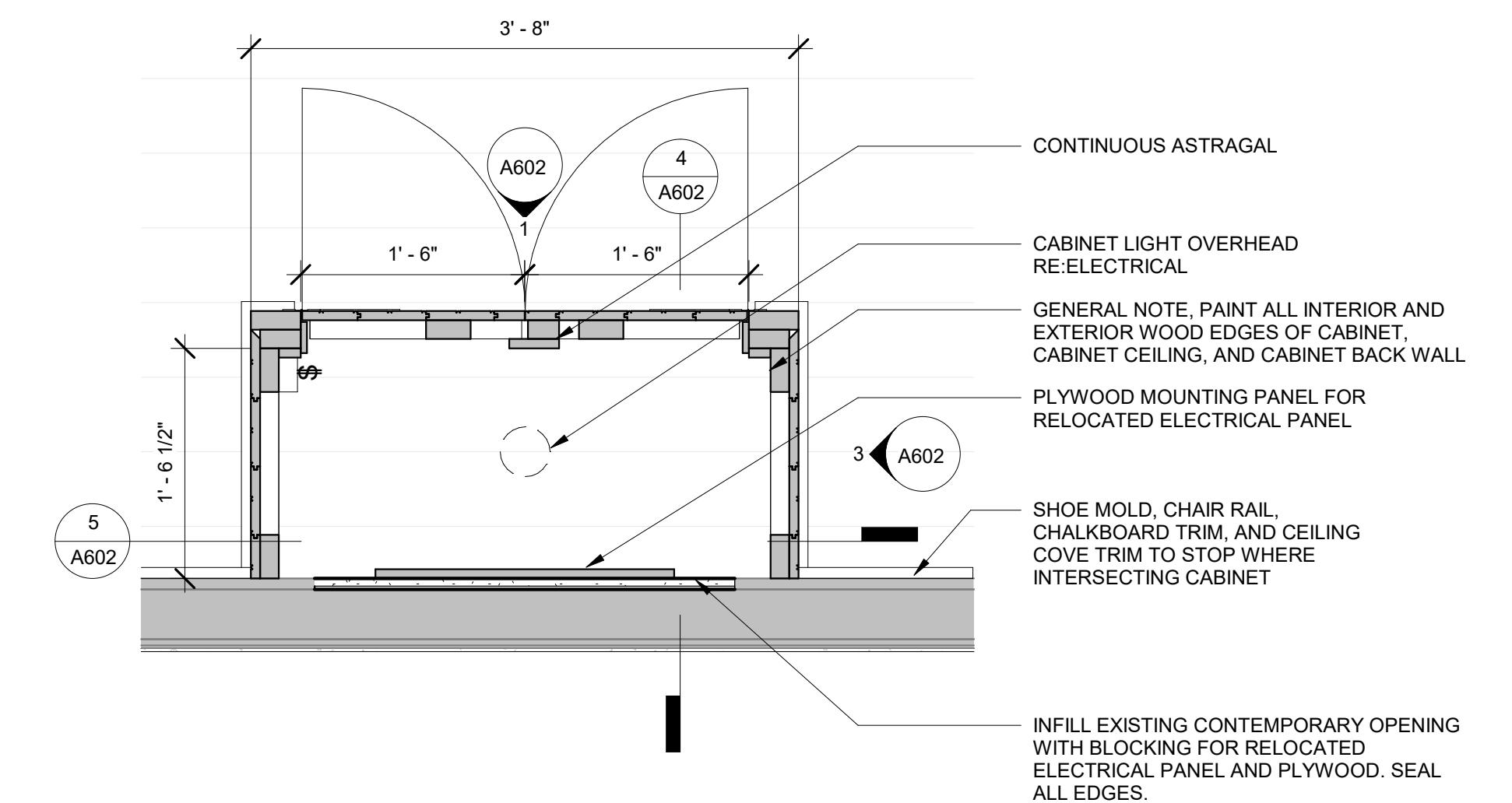
SHEET NUMBER:

A602

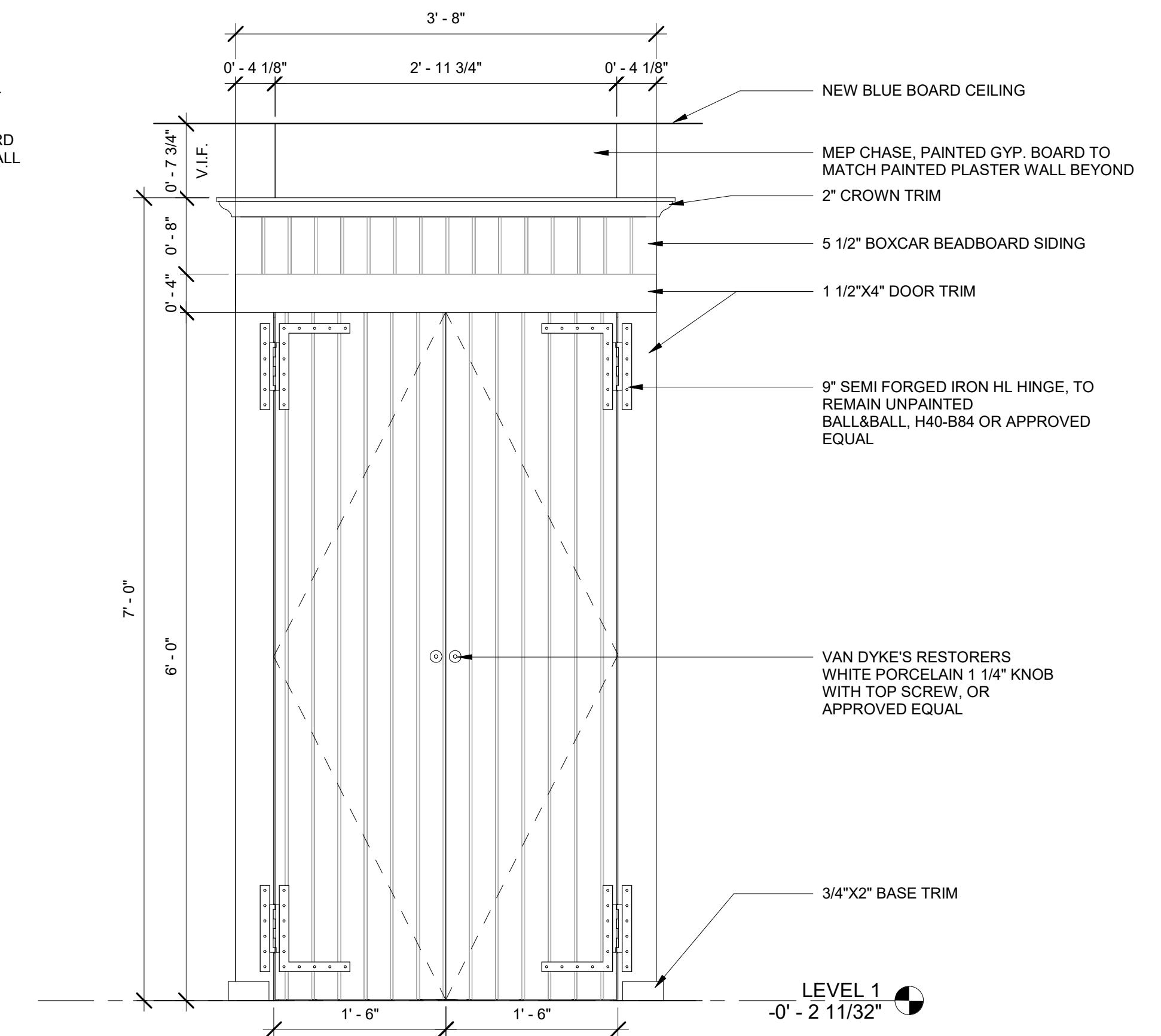
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## FINISH NOTES

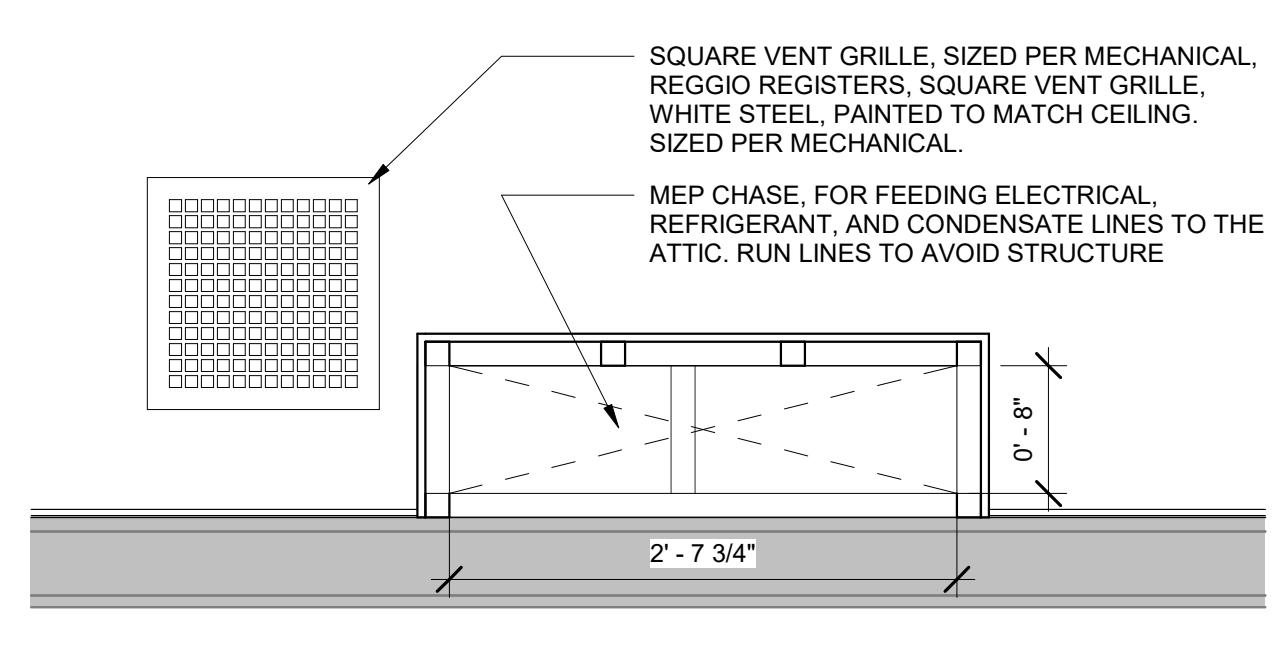
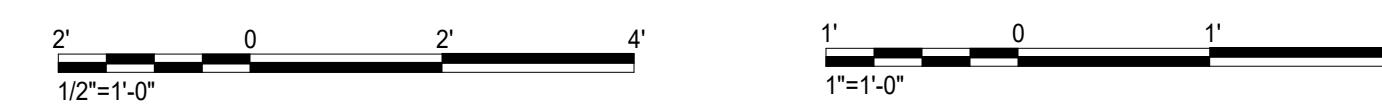
1. SALVAGED HISTORIC TRIM TO BE REINSTALLED, PRIOR TO REINSTALLATION, TRIM IS TO BE PREPARED CAREFULLY AS TO NOT GOUGE WOOD SURFACE, FINISH WITH OSMO POLYX-OIL.
2. INSPECT HISTORIC TRIM, SHOULD SUPPLEMENTAL TRIM BE NECESSARY, MATCH HISTORIC WOOD SPECIES AND DIMENSIONS, FINISH LIKE NEW TRIM.
3. NEW TRIM NOTED TO REMAIN UNPAINTED TO BE FINISHED WITH OSMO POLY-OIL.
4. NEW TRIM NOTED TO BE PAINTED SHALL BE PAINTED PURE WHITE, SW 7005.
5. MEP CABINET AND BRACKETED CHIMNEY CABINET TO BE PAINTED PURE WHITE, SW 7005



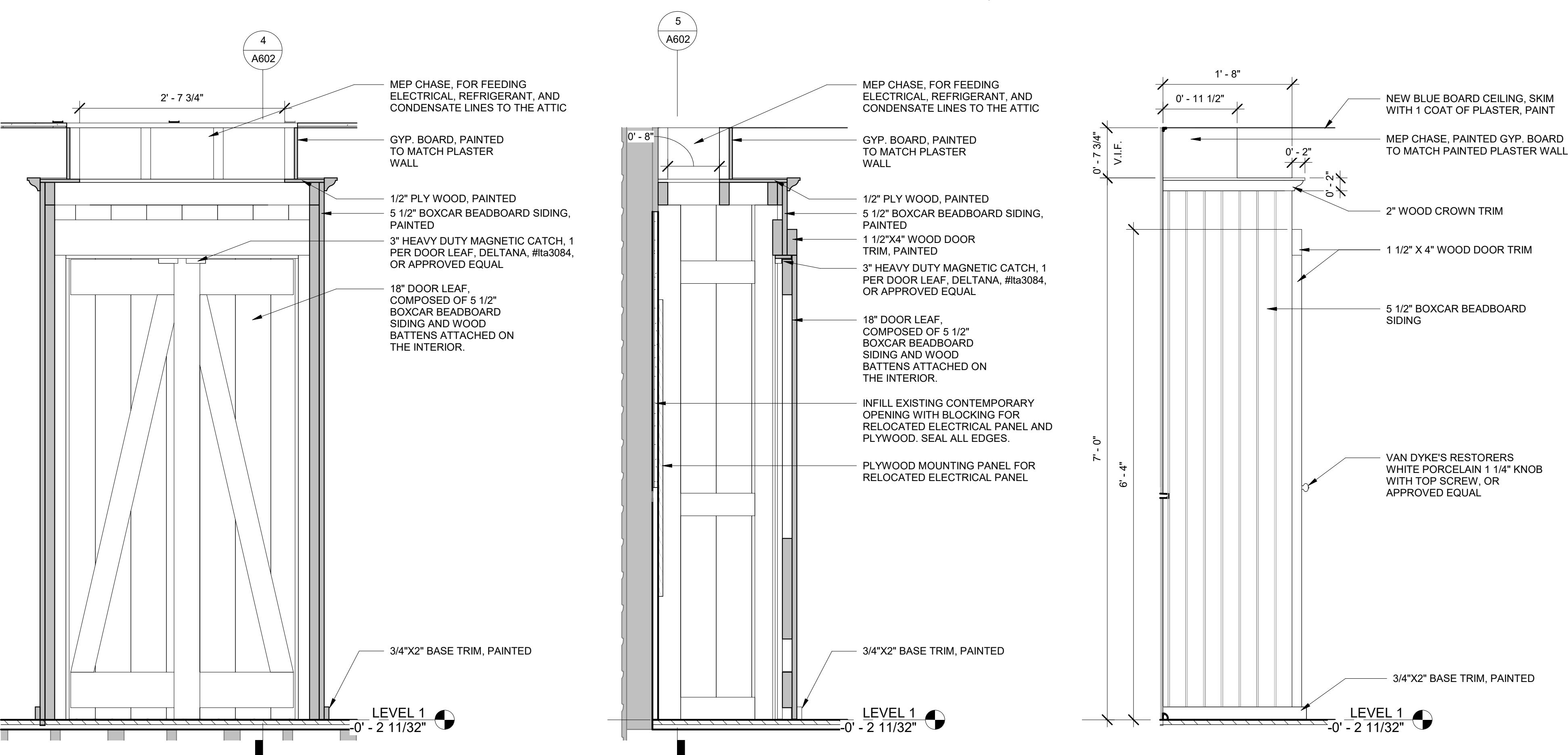
② MEP CABINET PLAN  
1" = 1'-0"



① MEP CABINET WEST ELEVATION  
1" = 1'-0"



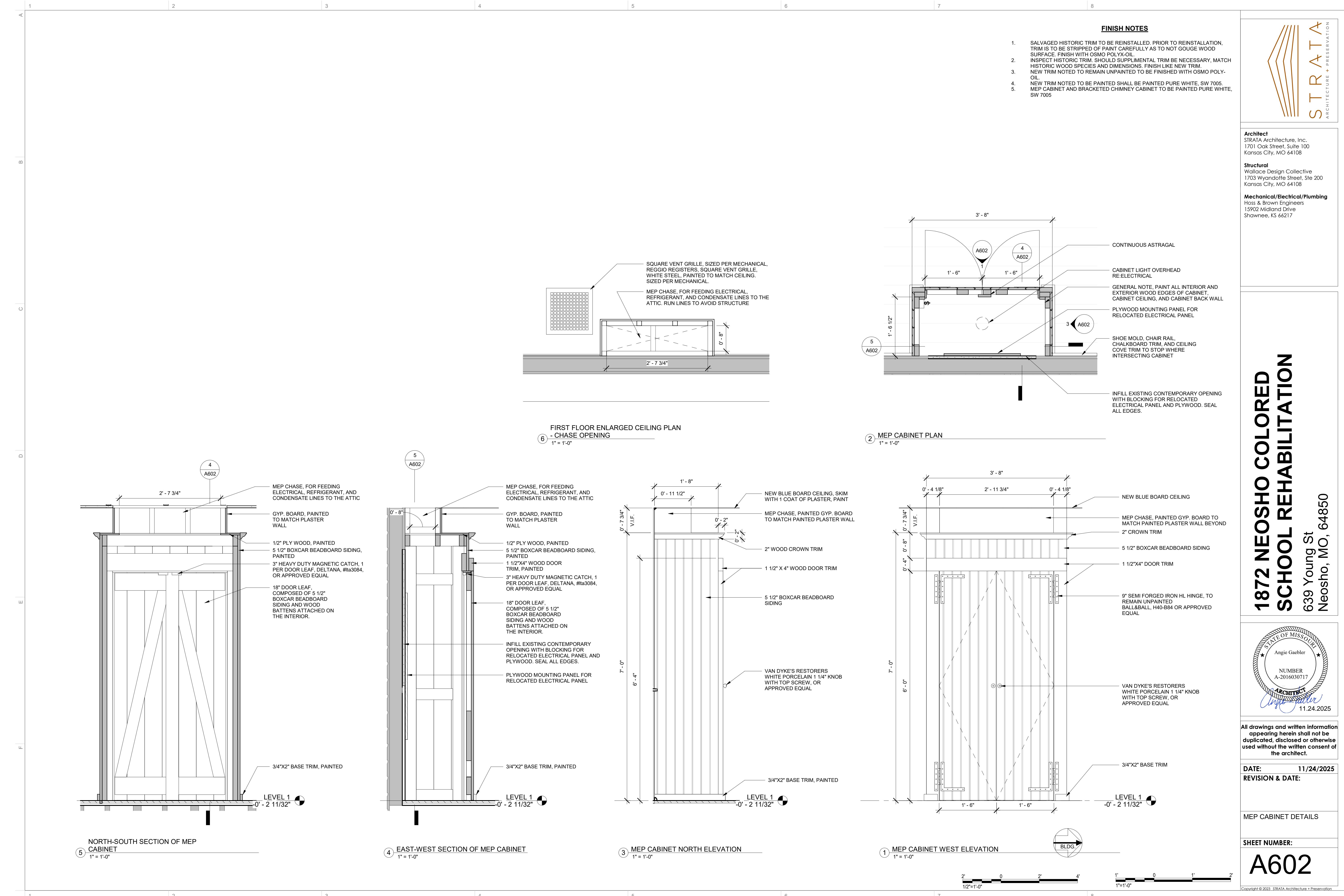
⑥ FIRST FLOOR ENLARGED CEILING PLAN  
- CHASE OPENING  
1" = 1'-0"



NORTH-SOUTH SECTION OF MEP CABINET  
5 1" = 1'-0"

④ EAST-WEST SECTION OF MEP CABINET  
1" = 1'-0"

③ MEP CABINET NORTH ELEVATION  
1" = 1'-0"



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Shawnee, KS 66217

## 1872 NEOSHO COLORED SCHOOL REHABILITATION

639 Young St  
Neosho, MO, 64850



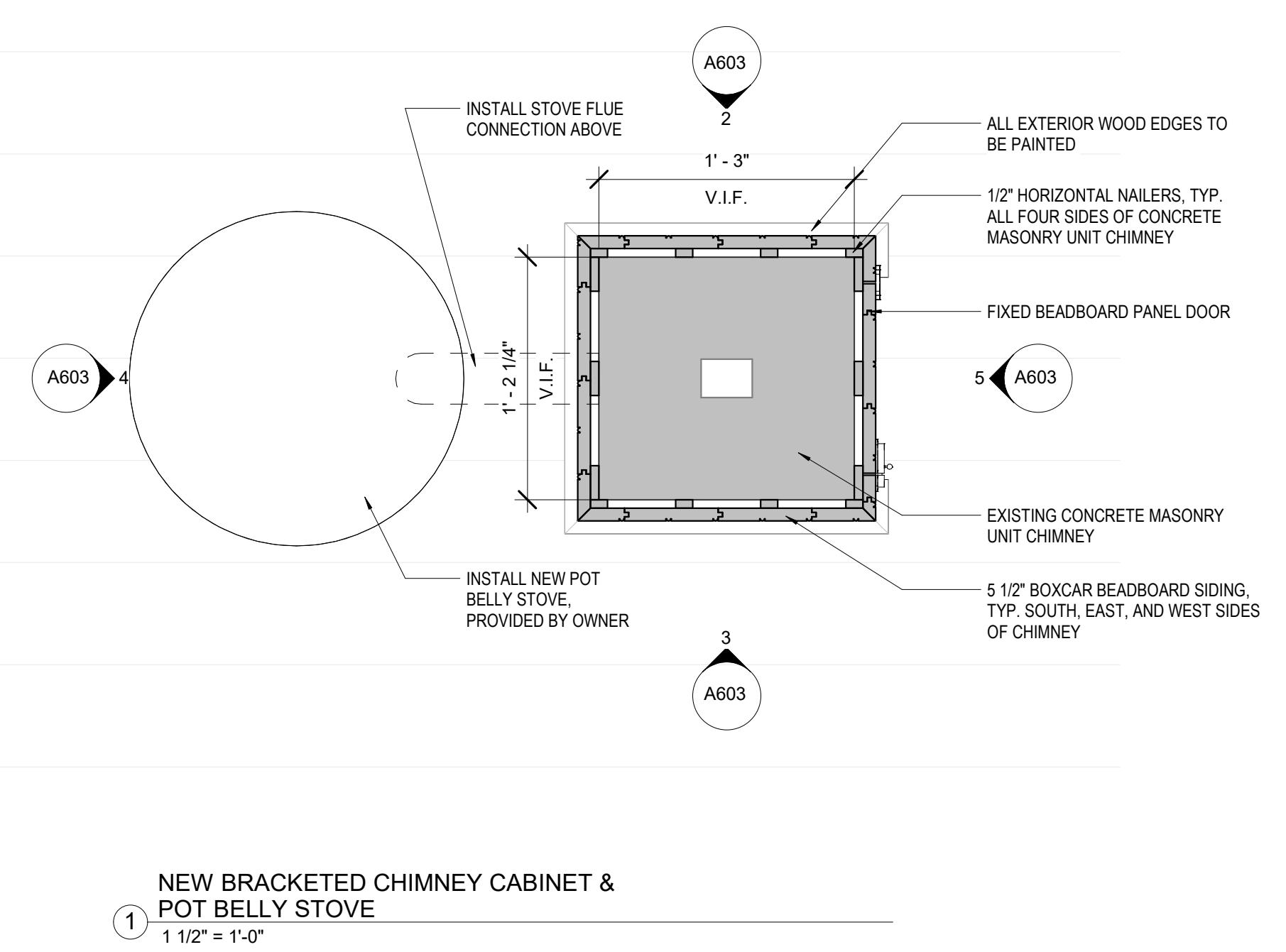
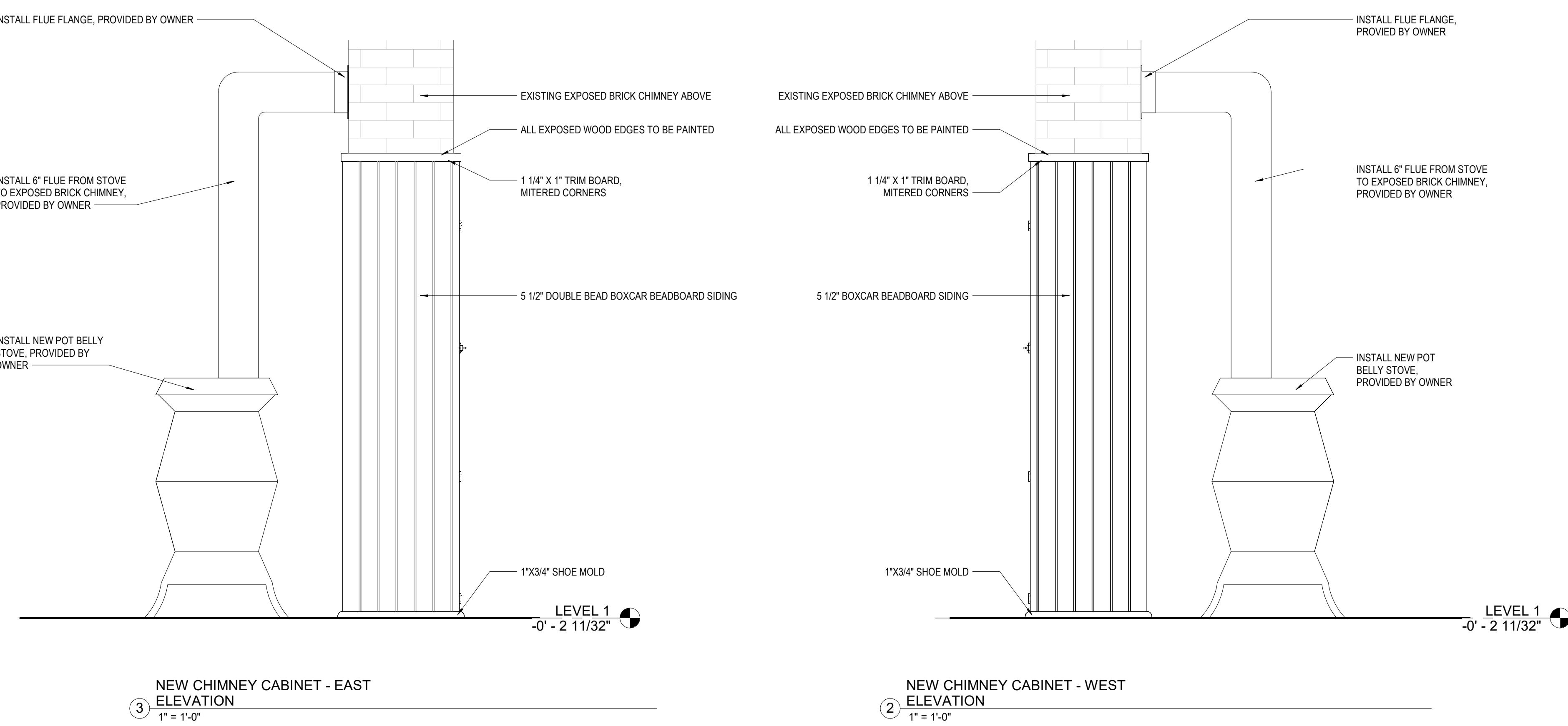
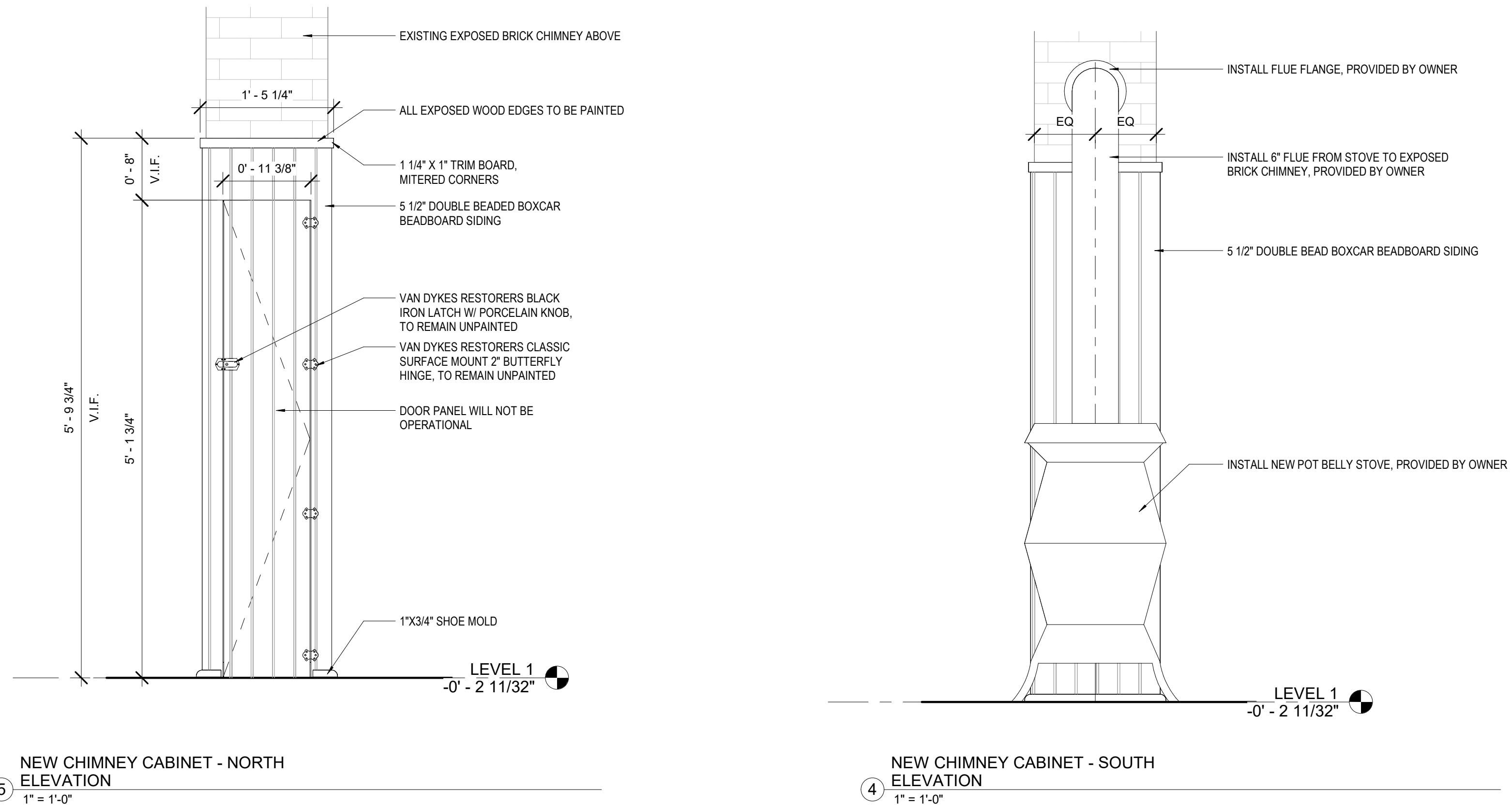
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DATE: 11/24/2025  
REVISION & DATE:

BRACKETED CHIMNEY  
DETAILS

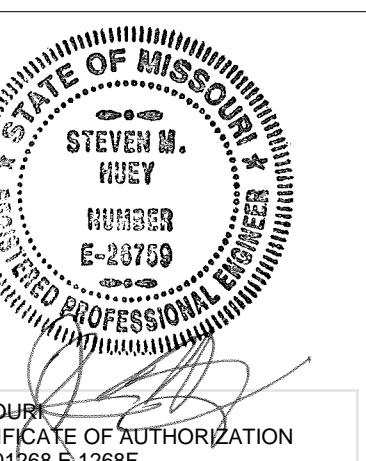
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A603



# 1872 NEOSHO COLORED SCHOOL

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DATE: August 8, 2025  
REVISION & DATE:

GENERAL NOTES, PLAN AND DETAILS

SHEET NUMBER:

S100

A

|   |                    |
|---|--------------------|
| DESIGN LOADS  | 2018 BUILDING CODE |
| 1. BUILDING CODE  | II                 |
| 2. RISK CATEGORY  | 20 PSF             |
| 3. MINIMUM ROOF LIVE LOAD                               | 15 PSF             |
| 4. GROUND SNOW LOAD                                     |                    |
| 5. WIND   |                    |
| A. BASIC WIND SPEED, (3-SEC GUST) VULT                  | 108 MPH            |
| B. EXPOSURE CATEGORY                                    | C                  |
| 6. SEISMIC  |                    |
| A. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS, Ss | 0.135              |
| B. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS, S1 | 0.083              |
| C. SITE CLASS (ASSUMED)                                 | D                  |

B

GENERAL

- THE SIZE AND LOCATION OF EQUIPMENT PADS AND PENETRATIONS THROUGH THE STRUCTURE FOR MECHANICAL, ELECTRICAL AND PLUMBING WORK SHALL BE COORDINATED WITH THE APPROPRIATE CONTRACTOR(S). PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/ENGINEER.
- STRUCTURAL ELEMENTS ARE NON-SUPPORTING AND REQUIRE INTERACTION WITH OTHER ELEMENTS FOR STABILITY AND RESISTANCE TO LATERAL FORCES. FRAMING AND WALLS SHALL BE TEMPORARILY BRACED BY THE CONTRACTOR UNTIL PERMANENT BRACING, FLOOR AND ROOF DECKS, AND WALLS HAVE BEEN INSTALLED AND CONNECTIONS BETWEEN THESE ELEMENTS HAVE BEEN MADE.
- STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION, UNLESS NOTED OTHERWISE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATION OF CONSTRUCTION AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO.
- ARCHITECTURAL, MECHANICAL AND ELECTRICAL COMPONENTS AND SYSTEMS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST SEISMIC FORCES AS DETERMINED IN CHAPTER 13 OF ASCE 7.
- CONTRACTOR IS RESPONSIBLE FOR STRUCTURAL INTEGRITY AND STABILITY OF EXISTING STRUCTURE DURING DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT STATE TO DESIGN TEMPORARY SHORING AS REQUIRED.
- VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF STRUCTURAL ITEMS, IF ANY DISCREPANCIES ARE FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT EXISTS IN THE FIELD, CONTACT THE ARCH/ENGR. OF RECORD TO DETERMINE WHAT SHOULD BE DONE TO MATCH EXISTING CONDITIONS AS REQUIRED. BEGINNING OF STEEL FABRICATION MEANS ACCEPTANCE OF EXISTING CONDITIONS.
- BEFORE OR CONCURRENT WITH EXCAVATIONS FOR THE FOUNDATIONS ADJACENT TO THE EXISTING BUILDING, PROVIDE ADEQUATE SUPPORT TO THE EXISTING SUBBASE OF THE EXISTING SLAB AND THE FOUNDATIONS TO PREVENT UNDERMINING.
- DURING WELDING OR ANY OTHER CONSTRUCTION ACTIVITY THAT GENERATES SPARKS OR INTENSE HEAT, THE CONTRACTOR SHALL PROVIDE ADEQUATE FIRE PROTECTION TO THE EXISTING STRUCTURE AND CONTENTS.
- USE ONLY DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT SCALE DRAWINGS OR USE ANY DIMENSIONS TAKEN FROM ELECTRONIC DRAWING FILES.
- ASSUME EQUAL SPACING IF NOT INDICATED ON DRAWINGS.

C

1. EXTERIOR CONCRETE: PROPORTION NORMAL WEIGHT CONCRETE MIXTURE USING TYPE I OR II PORTLAND CEMENT AS FOLLOWS:

- MINIMUM COMPRESSIVE STRENGTH: 4500 PSI AT 28 DAYS.
- MAXIMUM WATER-CEMENTITIOUS MATERIAL RATIO: 0.45.
- SLUMP LIMIT: 4 INCHES, PLUS OR MINUS 1 INCH.
- MAXIMUM COARSE AGGREGATE SIZE: 1 INCH
- AIR CONTENT: 6 PERCENT, PLUS OR MINUS 1.5 PERCENT.

2. MATERIALS OR ADMIXTURES SHALL NOT CONTAIN ANY CALCIUM CHLORIDE.

3. REINFORCING STEEL SHALL MEET THE FOLLOWING:

|                       |                     |
|-----------------------|---------------------|
| A. DEFORMED BARS      | ASTM A615, GRADE 60 |
| B. WELDED WIRE FABRIC | ASTM A185           |

4. REFER TO ACI 318 LATEST EDITION FOR CONCRETE COVER, ACI 315 LATEST EDITION FOR DETAILING PRACTICES AND FABRICATION, AND ACI 301 LATEST EDITION FOR STANDARD PRACTICE FOR MIXING AND PLACING CONCRETE.

5. PROVIDE SMOOTH TROWEL FINISH AND FINE BROOM FINISH, JITTERBUG OR TAMP SURFACES, SCREED TO PROPER ELEVATION, THEN FLOAT WITH METAL OR WOOD FLOATS. AFTER CONCRETE HAS SET SUFFICIENTLY TO SUPPORT WEIGHT, USE METAL OR WOOD FLOATS TO REFRESH LEVEL. AFTER WATER SHEEN HAS DISAPPEARED FROM SURFACES, TROWEL WITH STEEL TROWEL TO SMOOTH SURFACE FREE FROM BLEMISHES AND TROWEL MARKS. PERFORM FINAL TROWELLING AFTER CONCRETE IS SO HARD THAT NO MORTAR ACCUMULATES ON TROWEL, AND RINGING SOUND IS PRODUCED AS TROWELS ARE DRAWN OVER SURFACES. WHILE CONCRETE IS STILL PLASTIC, SLIGHTLY SCARIFY SURFACE WITH A FINE BROOM.

6. BEGINNING IMMEDIATELY AFTER PLACEMENT, PROTECT CONCRETE FROM PREMATURE DRYING, EXCESSIVELY HOT OR COLD TEMPERATURES AND MECHANICAL DAMAGE. CURE IN ACCORDANCE WITH ACI 301.

7. IF USED, APPLY CURING AND SEALING COMPOUND TO CONCRETE SLABS AS SOON AS FINAL FINISHING OPERATIONS AREA COMPLETE (WITHIN 2 HOURS). APPLY UNIFORMLY IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.

- CURING SHALL BE CONTINUED FOR A PERIOD OF 7 DAYS FOR TYPE I CEMENT, OR 3 DAYS FOR TYPE III CEMENT, OR UNTIL TESTS INDICATE THE CONCRETE HAS ATTAINED 70 PERCENT OF REQUIRED STRENGTH.

8. PROVIDE SMOOTH TROWEL FINISH AND FINE BROOM FINISH, JITTERBUG OR TAMP SURFACES, SCREED TO PROPER ELEVATION, THEN FLOAT WITH METAL OR WOOD FLOATS. AFTER CONCRETE HAS SET SUFFICIENTLY TO SUPPORT WEIGHT, USE METAL OR WOOD FLOATS TO REFRESH LEVEL. AFTER WATER SHEEN HAS DISAPPEARED FROM SURFACES, TROWEL WITH STEEL TROWEL TO SMOOTH SURFACE FREE FROM BLEMISHES AND TROWEL MARKS. PERFORM FINAL TROWELLING AFTER CONCRETE IS SO HARD THAT NO MORTAR ACCUMULATES ON TROWEL, AND RINGING SOUND IS PRODUCED AS TROWELS ARE DRAWN OVER SURFACES. WHILE CONCRETE IS STILL PLASTIC, SLIGHTLY SCARIFY SURFACE WITH A FINE BROOM.

9. BEGINNING IMMEDIATELY AFTER PLACEMENT, PROTECT CONCRETE FROM PREMATURE DRYING, EXCESSIVELY HOT OR COLD TEMPERATURES AND MECHANICAL DAMAGE. CURE IN ACCORDANCE WITH ACI 301.

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11. PROVIDE SMOOTH TROWEL FINISH AND FINE BROOM FINISH, JITTERBUG OR TAMP SURFACES, SCREED TO PROPER ELEVATION, THEN FLOAT WITH METAL OR WOOD FLOATS. AFTER CONCRETE HAS SET SUFFICIENTLY TO SUPPORT WEIGHT, USE METAL OR WOOD FLOATS TO REFRESH LEVEL. AFTER WATER SHEEN HAS DISAPPEARED FROM SURFACES, TROWEL WITH STEEL TROWEL TO SMOOTH SURFACE FREE FROM BLEMISHES AND TROWEL MARKS. PERFORM FINAL TROWELLING AFTER CONCRETE IS SO HARD THAT NO MORTAR ACCUMULATES ON TROWEL, AND RINGING SOUND IS PRODUCED AS TROWELS ARE DRAWN OVER SURFACES. WHILE CONCRETE IS STILL PLASTIC, SLIGHTLY SCARIFY SURFACE WITH A FINE BROOM.

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# MPE SYMBOLS LEGEND

NOT ALL SYMBOLS, ABBREVIATIONS, ETC. SHOWN IN MPE SYMBOLS LEGEND WILL BE USED ON THE DRAWINGS.

## STANDARD MOUNTING HEIGHTS

|                                |                              |
|--------------------------------|------------------------------|
| CONTROLS (TOP OF DEVICE)       | 48"                          |
| RECEPTACLES (EXTERIOR)         | 18"                          |
| RECEPTACLES (GARAGES)          | 24"                          |
| RECEPTACLES (ABOVE COUNTER)    | 24"                          |
| RECEPTACLES IN EQUIPMENT ROOMS | 4" ABOVE COUNTER             |
| DATA OUTLETS                   | SAME AS ADJACENT DEVICE, UNO |
| TELEVISION OUTLETS             | REFER TO ARCH DRAWINGS       |

DEFAULT MOUNTING HEIGHTS SHOWN ABOVE TO BE USED UNLESS NOTED OTHERWISE BY ARCHITECT OR IN CONSTRUCTION DOCUMENTS. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS.

INSTALLATION HEIGHT OF ALL FIRE ALARM DEVICES SHALL BE AS REQUIRED BY THE LATEST EDITION OF NFPA 72, COORDINATE WITH EQUIPMENT MANUFACTURER BASED ON ACTUAL PROVIDED EQUIPMENT.

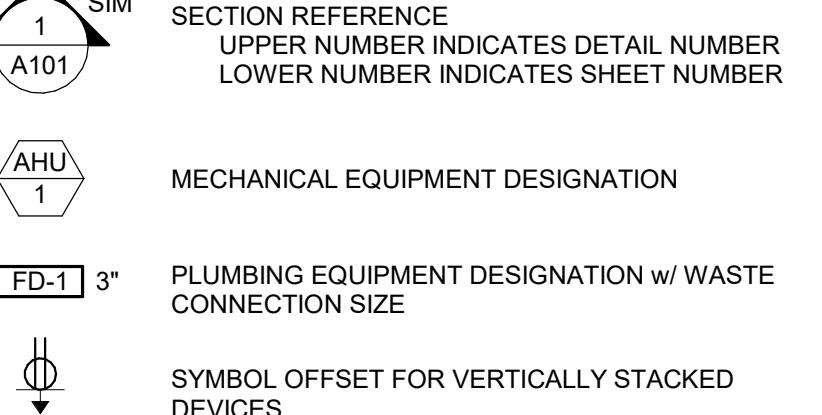
REFER TO ARCHITECTURAL ELEVATIONS FOR PLUMBING FIXTURE MOUNTING HEIGHTS, UNLESS NOTED OTHERWISE.

WALL CLEANOUT  
TANK WATER CLOSET COLD WATER SUPPLY  
ROUGH-IN  
HOSE BIBBS  
12" AFF  
36" AFF TO CENTER

## ANNOTATIONS

● INDICATES CONNECTION TO EXISTING SYSTEM  
■ INDICATES DEMO FROM EXISTING SYSTEM  
○ PLAN NOTE REFERENCE  
1 SIM DETAIL REFERENCE  
1 A101 SECTION REFERENCE  
1 A101 MECHANICAL EQUIPMENT DESIGNATION  
FD-1 3" PLUMBING EQUIPMENT DESIGNATION w/ WASTE CONNECTION SIZE  
○ SYMBOL OFFSET FOR VERTICALLY STACKED DEVICES

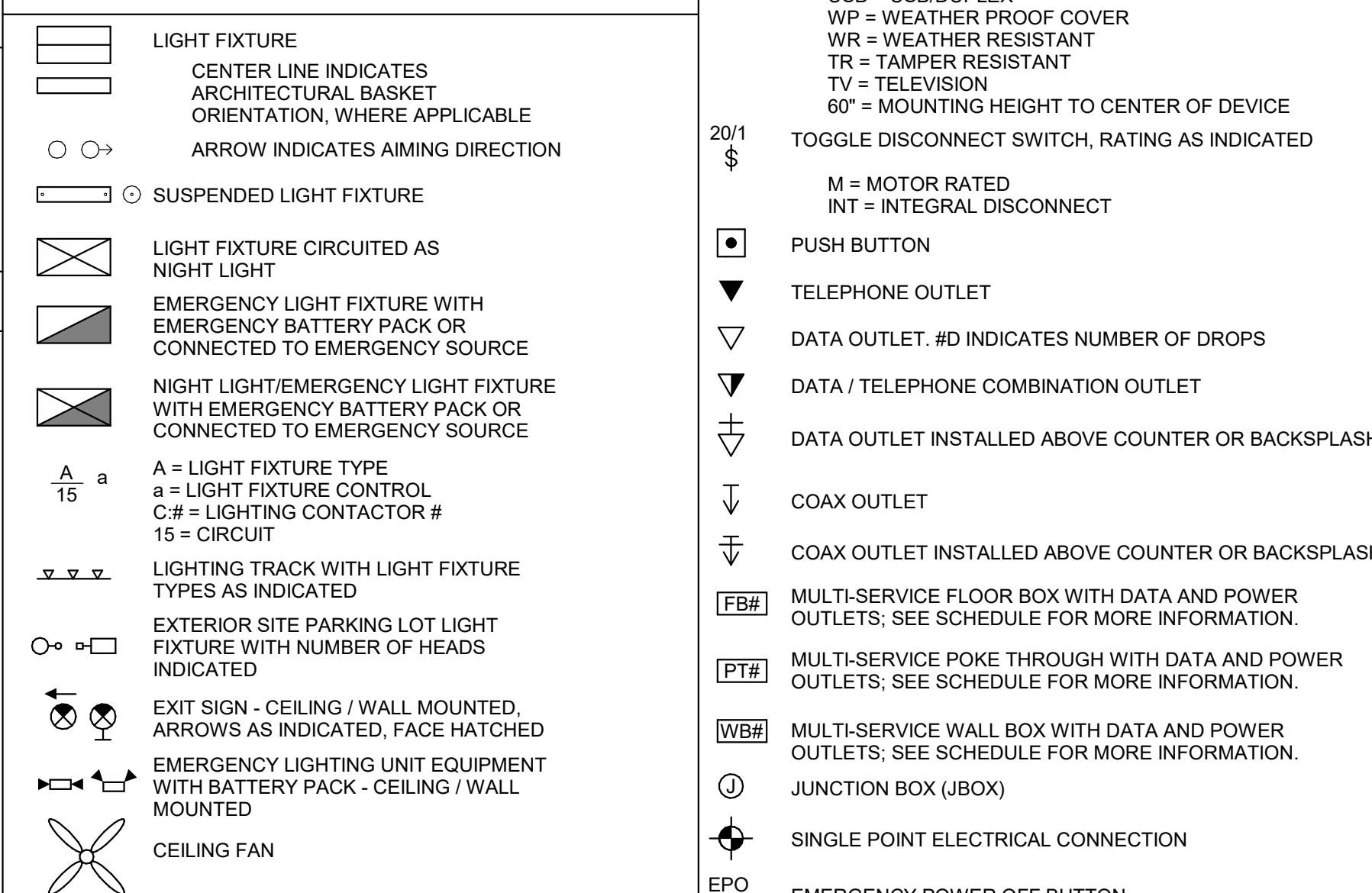
## DUCTWORK



## TEMPERATURE CONTROLS

|       |   |
|-------|---|
| RTU 1 | THERMOSTAT / TEMPERATURE SENSOR SERVING RTU 1 |
| H     | HUMIDITY SENSOR / HUMIDISTAT                  |
| T     | REMOTE TEMPERATURE SENSOR                     |
| H     | REMOTE HUMIDITY SENSOR                        |
| CO2   | CARBON DIOXIDE SENSOR                         |
| OCC   | OCCUPANCY SENSOR                              |
| CO    | CARBON MONOXIDE SENSOR                        |
| SP    | STATIC PRESSURE SENSOR                        |
| DPT   | DIFFERENTIAL PRESSURE TRANSMITTER             |
| FM    | FLOW METER                                    |
| DS    | DUCT SMOKE DETECTOR                           |

## LIGHTING



## LIGHTING CONTROL DEVICES

|    |  |
|----|--|
| \$ | SINGLE POLE SWITCH                     |
| \$ | SWITCH, LETTER DESIGNATION AS FOLLOWS: |

2 = TWO POLE  
3 = THREE-WAY  
4 = FOUR-WAY  
D = DIMMER  
K = KEYED  
LV = LOW VOLTAGE  
M = MOMENTARY CONTACT  
OS = OCCUPANCY SENSOR  
VA = VACANCY SENSOR  
WP = WEATHERPROOF

○ CEILING MOUNT OCCUPANCY/VACANCY SENSOR

○ WALL MOUNT OCCUPANCY/VACANCY SENSOR

EL EMERGENCY LIGHTING AUTOMATIC LOAD CONTROL DEVICE

RCH# ROOM CONTROLLER - REFER TO SCHEDULE FOR MORE INFORMATION

PP# POWER PACK - REFER TO SCHEDULE FOR MORE INFORMATION

REFER TO LIGHTING DEVICE SCHEDULE FOR MORE DEVICE INFORMATION.

## POWER EQUIPMENT

ELECTRICAL PANELBOARD (SURFACE OR FLUSH MOUNTED)

ELECTRICAL DISTRIBUTION PANELBOARD

TRANSFORMER - THIN OUTLINE INDICATES EQUIPMENT PAD EXTENDING 6' FROM EQUIPMENT WHERE FLOOR MOUNTED

DISCONNECT SWITCH - "60/360/3P" DENOTES AMPERES/POLE/FUSE/NEEMA ENCLOSURE RATING, NF = NON-FUSED, CB = CIRCUIT BREAKER, INT = INTEGRAL DISCONNECT, NO VALUE FOR NEMA ENCLOSURE MEANS STANDARD NEMA 1 RATING

60/360/0/3R COMBINATION DISCONNECT SWITCH - "60/360/0/3R" DENOTES AMPERES/POLE/FUSE/STARTER SIZE/NEEMA ENCLOSURE RATING, NF = NON-FUSED, CB = CIRCUIT BREAKER, INT = INTEGRAL DISCONNECT, NO VALUE FOR NEMA ENCLOSURE MEANS STANDARD NEMA 1 RATING

HOME RUN CONDUIT

CONDUIT TURNING UP

CONDUIT TURNING DOWN

GRA GENERATOR ANNUNCIATOR PANEL

GCP GENERATOR CONTROL PANEL

VFD# VARIABLE FREQUENCY DRIVE

DIFFUSER, GRILLE, OR REGISTER TYPE

CONNECTION SIZE 6'

## WIRING DEVICES & OUTLETS

|   |  |
|---|--|
| ○ | SIMPLEX RECEPTACLE                               |
| ○ | DUPLEX RECEPTACLE                                |
| ○ | GFCI DUPLEX RECEPTACLE                           |
| ○ | DOUBLE DUPLEX RECEPTACLE                         |
| ○ | DOUBLE DUPLEX GFCI RECEPTACLE                    |
| ○ | SPECIAL TYPE RECEPTACLE - NEMA TYPE AS NOTED     |
| ○ | CONTROLLED RECEPTACLE                            |
| ○ | INDICATES RECEPTACLE PROTECTED BY GFCI BREAKER   |
| ○ | RECEPTACLE INSTALLED ABOVE COUNTER OR BACKSPLASH |
| ○ | RECEPTACLE INSTALLED VIA DROP CORD               |
| ○ | RECEPTACLE, LETTER DESIGNATION AS FOLLOWS:       |

EM = EMERGENCY RECEPTACLE  
H = HOSPITAL WALL MOUNTED  
IG = ISOLATED GROUND  
USB = USB DUPLEX

WP = WEATHER PROOF COVER  
WR = WEATHER RESISTANT

TR = TAMPER RESISTANT  
TV = TELEVISION

60" = MOUNTING HEIGHT TO CENTER OF DEVICE

20/1 \$ TOGGLE DISCONNECT SWITCH, RATING AS INDICATED

M = MOTOR RATED  
INT = INTEGRAL DISCONNECT

□ PUSH BUTTON

▽ TELEPHONE OUTLET

▽ DATA OUTLET. # INDICATES NUMBER OF DROPS

▽ DATA / TELEPHONE COMBINATION OUTLET

▽ DATA OUTLET INSTALLED ABOVE COUNTER OR BACKSPLASH

▽ COAX OUTLET

▽ COAX OUTLET INSTALLED ABOVE COUNTER OR BACKSPLASH

FB# MULTI-SERVICE FLOOR BOX WITH DATA AND POWER OUTLETS; SEE SCHEDULE FOR MORE INFORMATION.

PT# MULTI-SERVICE POKE THROUGH WITH DATA AND POWER OUTLETS; SEE SCHEDULE FOR MORE INFORMATION.

WB# MULTI-SERVICE WALL BOX WITH DATA AND POWER OUTLETS; SEE SCHEDULE FOR MORE INFORMATION.

① JUNCTION BOX (JBOX)

○ SINGLE POINT ELECTRICAL CONNECTION

EPO EMERGENCY POWER OFF BUTTON

P FURNITURE POWER BASE FEED

○ CEILING MOUNTED DEVICE

○ EV CHARGING STATION; SEE SCHEDULE FOR MORE INFORMATION.

PLUGGING FIXTURE (REFER TO SCHEDULE)

## ELECTRICAL ONE-LINE & RISER DIAGRAM

○ FEEDER SYMBOL - REFER TO FEEDER SCHEDULE

○ UTILITY METER (AS REQUIRED BY UTILITY)

SPD SURGE PROTECTION DEVICE

— GROUND CONNECTION

HP MOTOR

###A CIRCUIT BREAKER (RATING AS INDICATED)

3P #3P FUSED DISCONNECT SWITCH (RATING AS INDICATED)

TX# TRANSFORMER (TYPE AND RATINGS AS INDICATED)

○ AUTOMATIC TRANSFER SWITCH (RATINGS AS INDICATED)

ATS# GENERATOR (RATINGS AS INDICATED)

— NON-SEPARATELY DERIVED SOURCE

— SEPARATELY DERIVED SOURCE

— PANELBOARD, MULTIPLE SECTIONS WHERE SHOWN (REFER TO SCHEDULES)

## PIPE FITTINGS AND VALVES

— SHUT-OFF VALVE

— CHECK VALVE

— CIRCUIT BALANCE VALVE

— TRIPLE DUTY VALVE

— SOLENOID VALVE

— STRAINER

— STRAINER WITH BLOWOFF

— TWO-WAY CONTROL VALVE

— THREE-WAY CONTROL VALVE

— PRESSURE REDUCING VALVE

— AIR VENT

— PRESSURE GAUGE

— THERMOMETER

— BACKFLOW PREVENTER

— EXPANSION JOINT

— PIPE ANCHOR

— UNION

— REDUCER

— CAP

— ELBOW UP

— ELBOW DOWN

— TEE UP

— TEE DOWN

— FIRE DEPARTMENT CONNECTION

## PLUMBING PIPING

— W — WASTE LINE ABOVE FLOOR

— W — WASTE LINE BELOW FLOOR

— GW — GREASE WASTE LINE ABOVE FLOOR

— GW — GREASE WASTE LINE BELOW FLOOR

— V — VENT LINE

— RN — RADON MITIGATION

— C — DOMESTIC COLD WATER (CW)

— H — DOMESTIC HOT WATER (HW)

— SCW — DOMESTIC SOFT COLD WATER (SCW)

— WS — DOMESTIC WATER SERVICE

— 140 — 140 DEGREE DOMESTIC HOT WATER

— RD — ROOF DRAIN ABOVE FLOOR

— OR — ROOF DRAIN BELOW FLOOR

— ORD — OVERFLOW ROOF DRAIN ABOVE FLOOR

— AW — ACID WASTE ABOVE FLOOR

— AV — ACID WASTE BELOW FLOOR

— AV — ACID VENT

— CA — COMPRESSED AIR

— G — NATURAL GAS

— SP — SUMP PUMP ABOVE FLOOR

— SP — SUMP PUMP BELOW FLOOR

## SECURITY

— SHUT-OFF VALVE

— CHECK VALVE

— CIRCUIT BALANCE VALVE

A

B

C

D

E

F

**MPE SPECIFICATIONS****GENERAL MPE REQUIREMENTS**

- The contract includes all labor, material, and equipment required for the complete systems as shown and specified. Provide all devices and accessories as necessary for complete and working systems.
- The contractors shall become familiar with the work of all other trades and shall fully coordinate their work prior to ordering equipment or installation of systems.
- The materials, products and equipment described in these specifications or on the drawings establish a standard of required function, dimension, appearance, and quality to be met by any proposed substitution. Listing of these manufacturers shall in no way be construed as a definition intended to limit the scope of those specific items listed.
- Reference to any article, device, product, material, fixture, form or type of construction by name, make, or catalog number, shall be interpreted as having established a standard of quality and shall not be construed as limiting competition. Articles, fixtures, etc. of equal quality by manufacturers listed in this specification for the applicable use, shall be acceptable, subject to performance, spatial, structural, and electrical constraint of the project design. The Engineer reserves final opinion as to a product's equality or superiority to that specified.
- Submittals: Provide submittals in PDF format for all equipment and major materials supplied and shall include: manufacturer, model number, materials and miscellaneous data as required to describe the equipment; capacity, voltage, phase, amperage and other miscellaneous data to quantify the size of the equipment; dimensional drawings showing layout, connection points and detailed layout of components; electrical full load amperes and minimum circuit amperages; and other pertinent information needed for complete review by the engineer. Conspicuously mark on each submittal the exact drawings, access numbers and devices to be supplied. Tags for equipment submitted shall match the tags indicated on the design drawings or specifications. Where equipment is noted on the drawings and not scheduled, refer to plan note and sheet number on the submittal. Contractor shall check all submittals to verify that they meet the requirements of the drawings and specifications before forwarding to the architect and engineer. All submittals shall bear the stamp of the contractor to show that they have been reviewed in detail. No work shall be fabricated, and no equipment ordered or accepted by the architect and engineer have returned to the contractor.
- Recent Drawings: During the progress of the work of this section, this Contractor shall maintain an accurate record of all changes made in the installation of the systems. Upon completion of the work, accurately transfer all record information to clean full-size plotted set of drawings with neatly handwritten or typed notes. Scan the drawings and markups to PDF at 600 dpi.
- Operation and Maintenance (O&M) Manuals: Before project close-out, the contractor shall submit O&M manuals for all equipment provided in this section. The O&M manuals shall include installation, operation, maintenance instructions, diagrams, capacities, spare part numbers, warranties, guarantees, etc. Provide a list of contacts for the equipment manufacturer and supplier of equipment. Keep in a safe place all keys, wrenches and other specialty tools furnished with equipment. Provide three hard copies in binders logically organized, divided and tabbed. Provide all data in electronic PDF format on three flash drives organized and bookmarked similar to the hard copy binders.
- Provide owner training on each piece of equipment as to startup, shutdown, normal maintenance, seasonal changeover and other pertinent information as recommended by the manufacturer. Training sessions shall be recorded and provided to the owner at the end of construction.
- Locations of equipment, piping, and other work are indicated diagrammatically on the drawings. Each contractor shall coordinate exact locations subject to structural conditions, work of other contractors, access requirements, and the approval of the architect and engineer.
- Drawings and specifications indicate minimum construction standards, but should any work indicated be sub-standard to any ordinances, laws, codes, rules, or regulations bearing on work, the contractor shall execute work in accordance with such without increased cost to the owner, but not until he has referred such variances to the engineer.
- The contractors shall secure and pay for the necessary permits and certificates of inspection for their trade. Keep record of all permits and inspections and submit two copies to the engineer with request for final inspection.
- This contractor shall warrant that the complete systems installed under this contract shall be free of defects in workmanship and materials for a period of one (1) year from the date of substantial completion by the architect/owner. If defects occur during the one year guarantee period, this contractor shall repair or replace such defects in accordance with the owner and to the satisfaction of the owner and engineer.
- Provide 3 1/2" concrete bases for all floor mounted equipment unless shown or noted otherwise. Provide 6x6 welded wire fabric reinforcing minimum or as required by the structural engineer.
- Adequately protect equipment from damage after delivery to the job site. Cover with heavy polyethylene plastic. Elevate equipment when there is danger of water damage. Equipment damage will be rejected.
- Any scratches to factory finishes shall be touched up using factory supplied paint before final acceptance. If extensive damage to factory finishes has occurred, equipment shall be replaced to the satisfaction of the engineer.
- Install all equipment in strict accordance with the manufacturer's recommendations and the shop drawings reviewed by the Engineer. The complete installation shall function as designed and intended with respect to efficiency, capacity, and noise level, etc. Any abnormal noise caused by rattling equipment, conduit or fixtures will not be acceptable.
- Contractor shall perform initial start-up of systems and provide necessary supervision and labor to make the first seasonal change-over of systems. Owner's participation is required.
- It is the contractor's responsibility to provide materials and trim which fit properly the types of ceiling, wall or floor finishes actually installed. Model numbers in specifications or shown on drawings are not intended to designate the required trim.
- Contractor shall provide all miscellaneous steel, etc., for the proper installation of the systems specified and/or indicated on the plans. Any item connecting to building structure shall be done in a manner accepted by the structural engineer. When bar joists are used for steel construction, joists shall be supported from angle iron connecting the top chord of bar joists.
- Periodically during construction and prior to Owner acceptance of the building, Contractor shall remove from the premises and dispose of all packing material and debris.
- Before submitting a bid, the Contractor shall visit the actual location of the job and shall fully understand the scope of the work to be performed and the conditions under which it is to be performed. In no case shall additional compensation be granted when existing conditions could reasonably be determined.

**HVAC REQUIREMENTS**

- Provide all equipment as shown or noted on the plans. Provide all accessories, controls or other items necessary for complete and operating systems. All equipment shall be labeled, bearing designation as shown on the drawings. Labels shall be engraved, white on black laminated plastic plates.
- All temporary valves, dampers, disconnects, etc. not indicated, but required by phasing, shall be included in the base bid.
- Provide flexible connections for all duct systems at fan unit connections.
- Set floor-mounted air equipment with rotating parts on 3" x 3" x 2" neoprene isolator pads.
- All ductwork sizes shown on the drawings represent free air. Actual construction sizes may be required to accommodate insulation.
- Provide all sheet metal work as specified and indicated on the drawings. All duct construction, gauges, methods of construction, and methods for hanging and supporting shall conform to SMACNA "HVAC Duct Construction Standards" and all applicable codes.
- Flexible ductwork is acceptable where indicated in low pressure ductwork and shall be Flexmaster Type BM, or approved equal, UL-181 Class I air duct, insulated, flexible duct with manufacturer's minimum working pressure rating of 9" W.G. The use of flexible duct run shall be limited to 6' on any single duct run. Install flexible duct as straight as possible without sagging. Make bends with maximum radius possible.
- Provide double v-groove style turning vane in all elbows of rectangular ducts except in kitchen hood exhaust.
- Drain lines shall be graded at 1/8" per foot. All drains shall be provided with a trap of proper depth in accordance with prevailing system static pressures.
- All piping shall be concealed in walls, below floors or above ceilings unless indicated otherwise or shown running through areas with exposed structure. Pipe shall be installed parallel or perpendicular to building surfaces.
- Refrigeration piping shall be Type L ACR hard copper coil with 1/2" O.D. All fittings, excepting connection line oil traps, shall be of long radius type. Suction line oil traps shall be comprised of short radius elbows to minimize the quantity of oil retained. All refrigerant lines shall be clean and provided with suction line oil traps as recommended by the manufacturer so as to assure proper oil return to the compressor. All refrigerant lines shall be charged with nitrogen during all sweating and heating operations. All refrigerant systems shall be evacuated with a vacuum pump prior to charging. Provide 3/4" closed-cell, elastomeric insulation on refrigeration suction lines. Paint all exterior foam insulation with UV resistant finish.
- Before starting work, the contractor shall clean ductwork, coils, fans, etc. in the air system to remove all construction dust and debris; provide new air filters; start, lubricate and balance all fans; lubricate all motors and bearings; check belt tension; check motor rotation.
- The contractor shall procure the services of a balancing and testing agency which will balance in compliance with the National Environmental Balancing Bureau. Air and water flows shall be balanced to within plus or minus 10% of design requirements. The final report shall be submitted to the Engineer for review. Piping systems shall be pressure tested at a minimum of twice the expected system capacity or a maximum of the pressure rating of the system components.
- During testing and balancing, the contractor shall change or adjust pulleys as required to provide proper fan operation.
- Verify all ceiling systems and coordinate fixture type and accessories prior to ordering fixtures. Coordinate and cooperate with ceiling installer in regards to the location and orientation of light fixtures.
- All wall mounted fixtures shall be coordinated with the architectural features of the building. Where specific elevations or dimensions are not indicated, verify the correct location with the Architect prior to beginning any work.
- Alarm provider shall be a local provider from the Neosho area.

**ELECTRICAL REQUIREMENTS**

- The Electrical Contractor shall provide all conduit and wiring and shall connect complete and ready for operation all electrical motors and equipment for other trades as shown on the drawings and as required for complete and operating systems.
- Security Door Lock System: The Electrical Contractor shall provide disconnect as required and make all rough in feeders. The Electrical Contractor shall make all required 120 volt and low voltage electrical connections.
- Underground Service: Service work shall include secondary conduits and feeders, primary conduits, CT cabinet, meter can, and support pad for transformer and sectionalizing switch as shown on the plans or required by the utility. Electrical Contractor shall leave adequate conductor length at the transformer to allow connections by the Electric Utility. Contractor shall provide all trenching, backfilling, and pavement removal and replacement as necessary for the primary and secondary raceway systems. Contractor shall provide all conductors from the new sectionalizing switch to the primary compartment of transformer including sectionalizing equipment. Local utility company will provide all connections to primary equipment and shall make all transformer connections. Local utility company will provide the meter. Local utility company will provide all metering equipment CT's, wiring and meter installation.
- Provide wire as specified and circuiting as shown on the drawings. Power wires and cables shall be code type THWN or THHN and minimum #12 AWG, unless noted with mechanical joint or #14 AWG. All conductors and smaller shall be annealed soft copper, solid construction. All power wires and cables #8 AWG and larger shall be annealed soft copper, compressed strand construction.
- Color coding for 120/240 volt systems shall be Black/Red for phase conductors. White for neutral and green for grounding conductors. Underground service conduits shall be heavy wall Schedule 40 PVC utility conduit with UL Label. Fittings and bends shall be deep socket type schedule 40 utility elbows with 36" radius. All other exterior conduits shall be rigid steel conduit or intermediate metal conduit with threaded couplings and fittings.
- Interior conduit shall be EMT. Provide setscrew couplings and fittings for NEMA 1 installations and compression couplings and fittings for NEMA 3R installations as a minimum. All conduit shall be run parallel or perpendicular to the building surfaces. Conduit shall be concealed in walls. Overhead conduit shall be concealed except in rooms without ceilings.
- At the Contractor's option interior branch circuits may be type MC cable with listed fittings and couplers in lieu of EMT conduit and conductors. Homerruns to panels will be made with EMT conduit (no MC connections to panel case). Color coding shall be required.
- In the Owner's option, Romex cabling shall be allowable for branch circuit wiring and Service Entrance Rated (SER) cables shall be allowable for panel feeders. Romex and SER cabling shall be fully concealed.
- All power wires and cables shall be minimum #12 AWG, unless noted otherwise. Wire shall be Code Type THWN or THHN, unless noted otherwise.
- Each 120 volt outlet circuit shall be provided with dedicated neutral conductors. Three phase, four wire homeruns of 120 volt branch circuits will not be accepted.
- Each light fixture shall be provided with a dedicated power supply from a junction box. The practice of "daisy-chaining" fixtures from fixture to fixture will not be accepted. Multiple fixture whips from a single box is acceptable.
- Provide conduits and raceways; electrical pull, junction and device boxes as specified and shown on the drawings, as well as those required for a complete and code acceptable installation.

**CARVER SCHOOL  
RENOVATION**639 Young St  
Neosho, MO, 64850

All drawings and written information appearing herein shall not be duplicated, disclosed or otherwise used without the written consent of the architect.

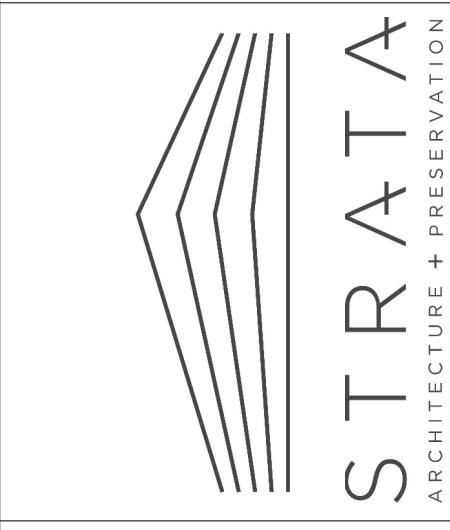
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**MPE SPECIFICATIONS**

**SHEET NUMBER:**

**MPE002**

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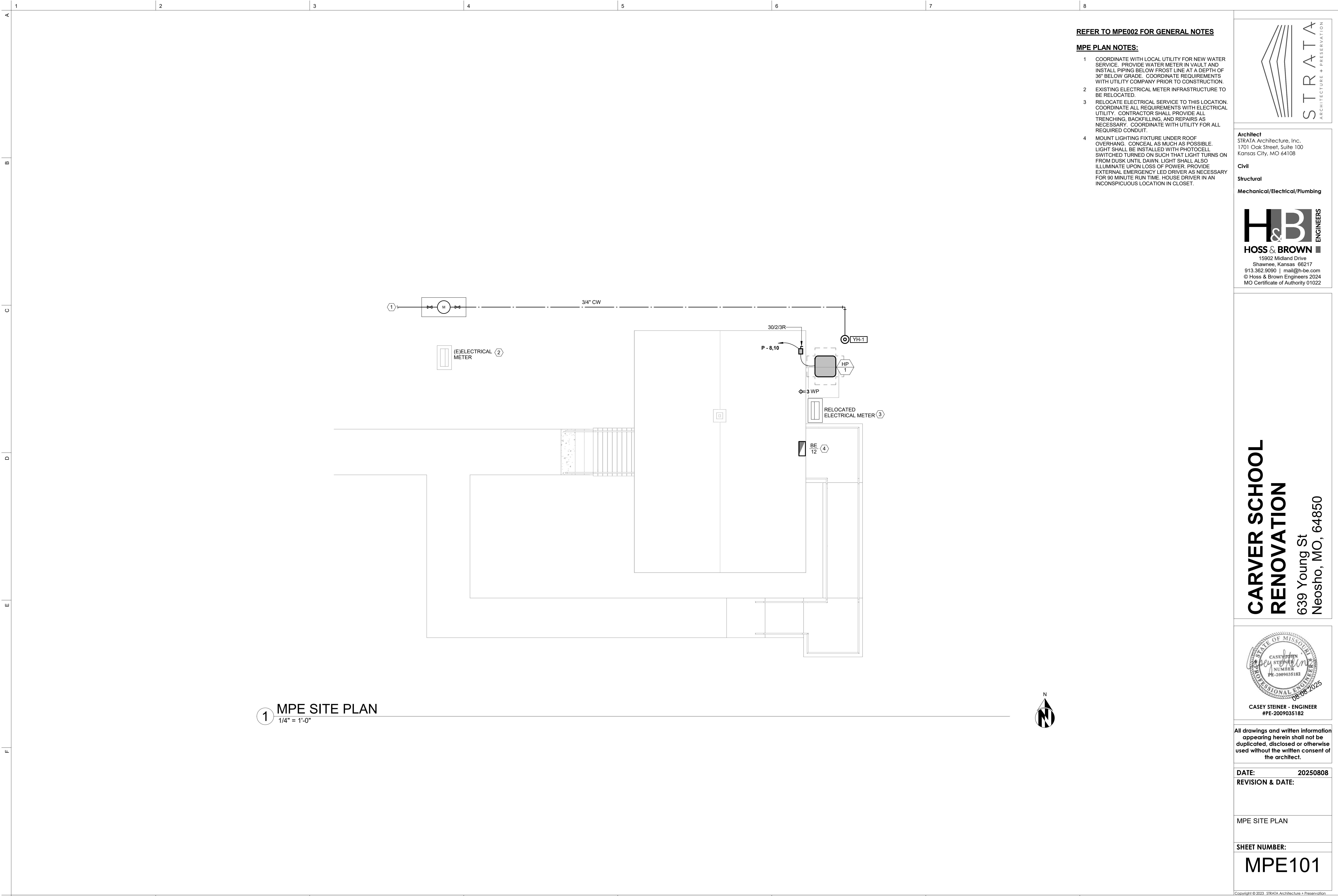
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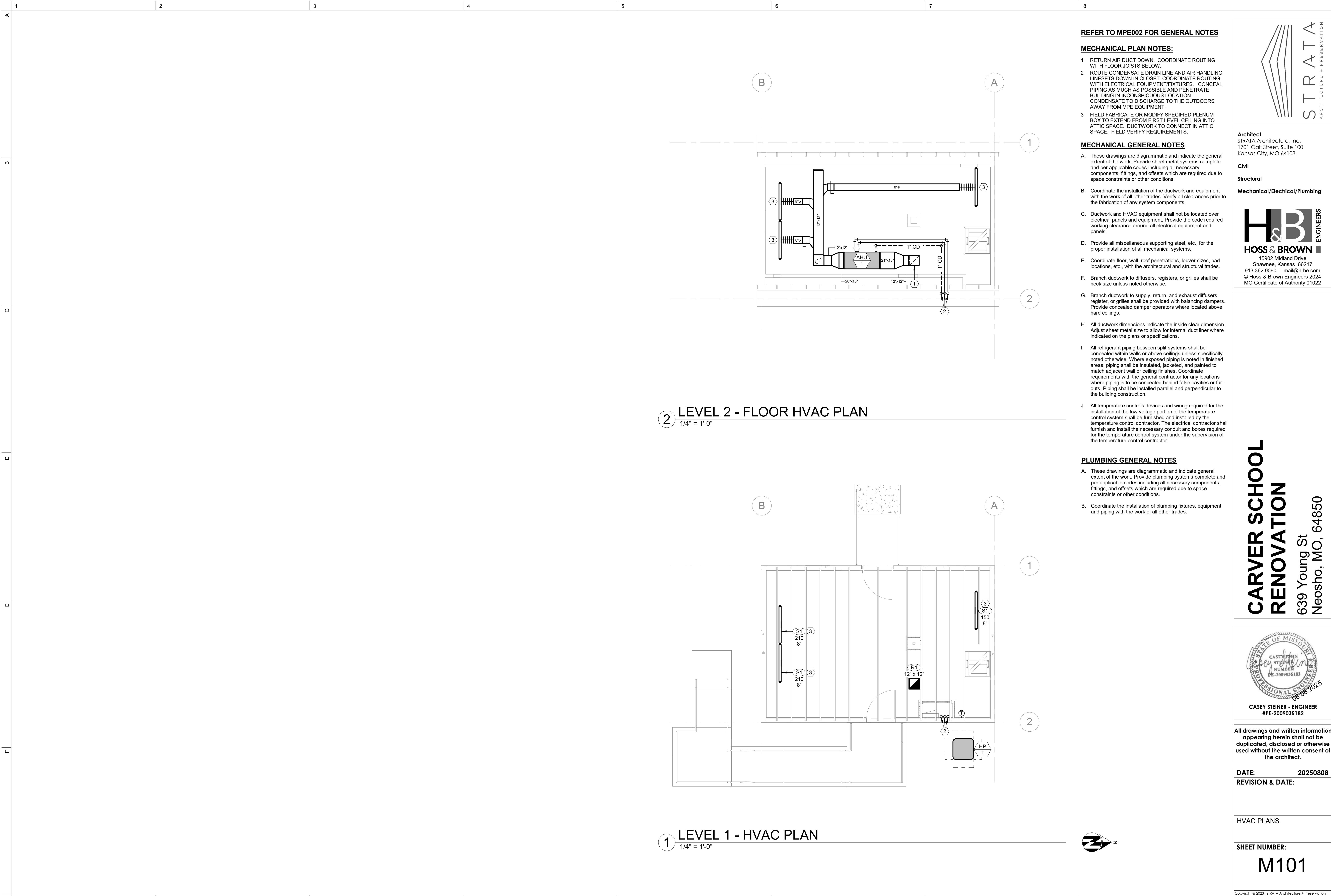
**Civil**

**Structural**

**Mechanical/Electrical/Plumbing**







## DUCT INSULATION SCHEDULE

| INSULATION | DESCRIPTION   |
|------------|---|
| TYPE 1     | WRAP INSULATION - CERTAINEED SOFTTOUCH, TYPE 150, FSK FACED, 1 1/2" THICK, 1.5 PCF, K-VALUE = 0.24, R-VALUE = 6.0, VAPOR TRANSMISSION = 0.02 PERMS MAX. COMPLIES WITH ASTM C553 TYPE II, ASTM C1290 AND ASTM C1338 FUNGI RESISTANCE |
| TYPE 2     | WRAP INSULATION - CERTAINEED SOFTTOUCH, TYPE 75, FSK FACED, 3" THICK, 0.75 PCF, K-VALUE = 0.31, R-VALUE = 9.6, VAPOR TRANSMISSION = 0.02 PERMS MAX. COMPLIES WITH ASTM C553 TYPE II, ASTM C1290 AND ASTM C1338 FUNGI RESISTANCE     |
| TYPE 3     | ROUND DUCT LINER - CERTAINEED ULTRAROUND DUCT LINER, 1" THICK, K-VALUE = 0.23, R-VALUE = 4.3, NRC = 0.75. COMPLIES WITH ASTM C1071 TYPE I, ASTM G22 BACTERIA RESISTANCE AND ASTM C1338 FUNGI RESISTANCE.                            |
| TYPE 4     | DUCT LINER - CERTAINEED TOUGHGARD R DUCT LINER, TYPE 200, 1/2" THICK, 2.0 PCF, K-VALUE = 0.24, R-VALUE = 2.1, NRC = 0.45. COMPLIES WITH ASTM C1071 TYPE I, ASTM G22 BACTERIA RESISTANCE AND ASTM C1338 FUNGI RESISTANCE.            |

### DUCT WITHIN THE BUILDING THERMAL ENVELOPE

| DUCT TYPE - CONCEALED                  | INSULATION | NOTES | DUCT TYPE - EXPOSED                    | INSULATION | NOTES |
|--|------------|-------|--|------------|-------|
| ROUND MEDIUM PRESSURE SUPPLY AIR       | TYPE 1     | -     | ROUND MEDIUM PRESSURE SUPPLY AIR       | TYPE 3     | -     |
| ROUND LOW PRESSURE SUPPLY AIR          | TYPE 1     | -     | ROUND LOW PRESSURE SUPPLY AIR          | TYPE 3     | -     |
| ROUND LOW PRESSURE RETURN AIR          | NONE       | -     | ROUND LOW PRESSURE RETURN AIR          | NONE       | -     |
| RECTANGULAR MEDIUM PRESSURE SUPPLY AIR | TYPE 1     | -     | RECTANGULAR MEDIUM PRESSURE SUPPLY AIR | TYPE 1     | -     |
| RECTANGULAR LOW PRESSURE SUPPLY AIR    | TYPE 1     | -     | RECTANGULAR LOW PRESSURE SUPPLY AIR    | TYPE 1     | -     |
| RECTANGULAR LOW PRESSURE RETURN AIR    | NONE       | -     | RECTANGULAR LOW PRESSURE RETURN AIR    | NONE       | -     |
| RETURN AIR PLenum                      | TYPE 1     | -     | RETURN AIR PLenum                      | TYPE 1     | -     |

#### GENERAL NOTES (APPLY ALL TO ABOVE):

- A. THE BASIS FOR THE DUCT INSULATION IN THIS SCHEDULE IS CERTAIN-TEED WHICH SHALL REPRESENT THE MINIMUM LEVEL OF CONSTRUCTION. PRODUCTS MANUFACTURED BY OWENS-CORNING, JOHNS-MANSVILLE, KNAUF, 3M, FIREMASTER AND AEROFLEX SHALL BE PERMITTED TO BID.
- B. REFER TO FLOOR PLANS AS ADDITIONAL INSULATION REQUIREMENTS MAY BE INDICATED THERE.
- C. THE REQUIREMENT FOR ACOUSTICAL INSULATION IS IN ADDITION TO THE THERMAL INSULATION REQUIREMENT. PROVIDE EXTERNAL THERMAL INSULATION AND INTERNAL ACOUSTICAL LINER AS INDICATED.
- D. INSTALL ALL DUCT INSULATION PER MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
- E. INSULATION SURFACE BURNING CHARACTERISTICS: FLAME SPREAD INDEX/SMOKE DEVELOPED INDEX OF 25/50 MAXIMUM, WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723.

#### DEFINITIONS:

SUPPLY AIR: CONDITIONED AIR FROM AN AIR HANDLING SYSTEM TO AN OCCUPIED SPACE  
 RETURN AIR: AIR FROM AN OCCUPIED SPACE BACK TO AN AIR HANDLING SYSTEM  
 VENTILATION AIR: CONDITIONED AIR FROM THE DISCHARGE OF THE DOAS TO THE OCCUPIED SPACE  
 RELIEF AIR: AIR DOWNSTREAM OF THE DOAS/ERW ENERGY RECOVERY SYSTEM TO OUTSIDE THE BUILDING  
 OUTSIDE AIR: UNCONDITIONED AIR FROM OUTSIDE THE BUILDING TO AN AIR HANDLING SYSTEM  
 EXHAUST AIR: AIR THAT IS REMOVED FROM A BUILDING SPACE AND CONVEYED TO OUTSIDE THE BUILDING

LOW PRESSURE: LESS THAN 2" STATIC PRESSURE

MEDIUM PRESSURE: GREATER THAN 2" AND LESS THAN 4" STATIC PRESSURE

CONCEALED LOCATION: DUCT IS LOCATED ABOVE A CEILING, WITHIN CHASE OR SHAFT, ETC.

EXPOSED LOCATION: DUCT IS NOT CONCEALED WITH THE BUILDING CONSTRUCTION (FINISHED SPACES, OR UNFINISHED SUCH AS MECHANICAL ROOMS)

## AIR HANDLER & CONDENSING UNIT SCHEDULE

| EQUIPMENT MARK | MANUFACTURER | MODEL      | AIR HANDLING UNITS |      |            |      | CONDENSING UNITS |      |                 |               |                 |       |                 |       |                 |      |                 |             |       |     |      |       |         |
|----------------|--------------|------------|--------------------|------|------------|------|------------------|------|-----------------|---------------|-----------------|-------|-----------------|-------|-----------------|------|-----------------|-------------|-------|-----|------|-------|---------|
|                |              |            | SUPPLY FAN         |      | DX COOLING |      | ELECTRIC HEATING |      | ELECTRICAL DATA |               | ELECTRICAL DATA |       | ELECTRICAL DATA |       | ELECTRICAL DATA |      | ELECTRICAL DATA |             | NOTES |     |      |       |         |
| EQUIPMENT MARK | MANUFACTURER | MODEL      | CFM                | ESP  | EAT        | DB   | WB               | LAT  | TOTAL BTUH      | SENSIBLE BTUH | KW              | STEPS | VOLTS           | PHASE | MCA             | MOCP | HP              | Volts       | Phase | MCA | MOCP | NOTES |         |
| AHU 1          | GOODMAN      | AMST18BU13 | 570                | 0.50 | 76.4       | 64.2 | 55.0             | 55.0 | 15,100          | 12,200        | 5.0             | 1     | 240             | 1     | 5.8             | 15   | HP 1            | GLZS4MA1810 | 240   | 1   | 11.4 | 15    | 1, 2, 3 |

#### NOTES:

1. PROVIDE AIR HANDLER WITH FACTORY MOUNTED AND WIRED DISCONNECT FOR SINGLE-POINT ELECTRICAL CONNECTION.
2. PROVIDE PROGRAMMABLE THERMOSTAT TYPICAL OF HONEYWELL VISION PRO 8000.
3. PROVIDE HORIZONTAL UNIT.

#### GENERAL NOTES (APPLY ALL ABOVE):

- A. PROVIDE MINIMUM EFFICIENCY OF MERV 6 FOR FILTERS DURING CONSTRUCTION AND CHANGE MONTHLY AFTER UNIT START-UP. FINAL FILTER CHANGE AT OWNER OCCUPANCY SHALL BE MERV 7.
- B. ELECTRIC HEAT KW SHOWN IS ACTUAL OUTPUT AT THE VOLTAGE SHOWN. REFERENCE PANEL SCHEDULES FOR ELECTRIC HEATER MCA AND MOCP.
- C. PROVIDE A 3/4" CONDENSATE DRAIN WITH A 2" TRAP.
- D. PROVIDE FILTER FRAME FOR 1" FILTER.
- E. PROVIDE A SECONDARY DRAIN PAN FOR ALL COOLING COILS AND ROUTE 3/4" CONDENSATE LINE TO NEAREST FLOOR DRAIN, INDEPENDENT OF PRIMARY CONDENSATE DRAIN.
- F. UNIT MANUFACTURER SHALL MAKE COOLING COIL SELECTION. UNIT MANUFACTURER AND INSTALLING CONTRACTOR SHALL SIZE REFRIGERANT PIPING FOR THE FINAL FIELD ROUTING ELEVATION CHANGES, AND CONDENSER LOCATIONS. PROVIDE TRAPS, TXV, ADDITIONAL REFRIGERANT, LOW VOLTAGE STARTER KIT, OFF CYCLE TIMER, CRANKCASE HEATER, AND ACCUMULATOR AS REQUIRED FOR PROPER OPERATION OF THE SYSTEM.
- G. LOADS BASED ON 100 DEGREES F AMBIENT TEMPERATURE.
- H. UNIT EFFICIENCY MINIMUMS MUST MEET OR EXCEED 2023 DEPARTMENT OF ENERGY ADOPTED MINIMUM EFFICIENCIES.

## GRILLE, REGISTER, AND DIFFUSER SCHEDULE

| EQUIPMENT MARK | MANUFACTURER     | MODEL          | SERVICE | FACE SIZE | NECK SIZE | DAMPER | NOTES |
|----------------|------------------|----------------|---------|-----------|-----------|--------|-------|
| R1             | REGGIO REGISTERS | SQ16-1414-SBNH | RETURN  | SEE PLAN  | 12"X12"   | NO     | 3     |
| S1             | TITUS            | FL-10          | SUPPLY  | -         | -         | NO     | 1, 2  |

#### NOTES:

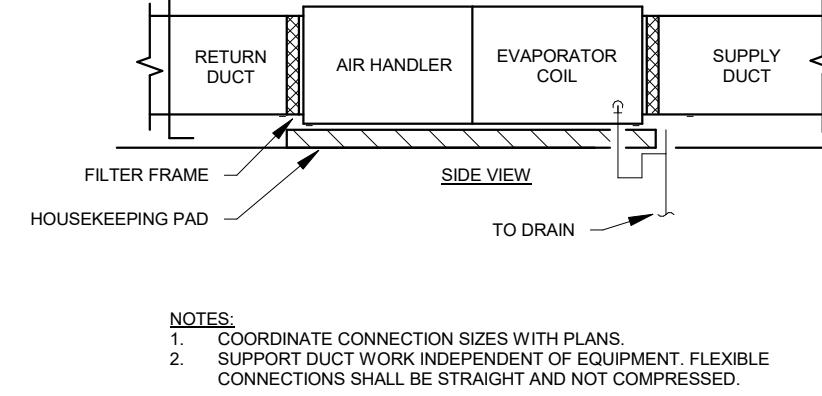
1. PROVIDE 1- 1" SLOT AND MANUFACTURER'S INSULATED PLENUM.
2. FIELD FABRICATE OR MODIFY PLENUM BOX TO FIT BETWEEN JOIST SPACE. BOX TO BE INSULATED AND MINIMUM DIMENSIONS SHOULD MATCH FBP-10 INSULATED PLENUM BOX.
3. COORDINATE FINISH WITH ARCHITECT PRIOR TO INSTALLATION.

#### GENERAL NOTES (APPLY TO ALL ABOVE):

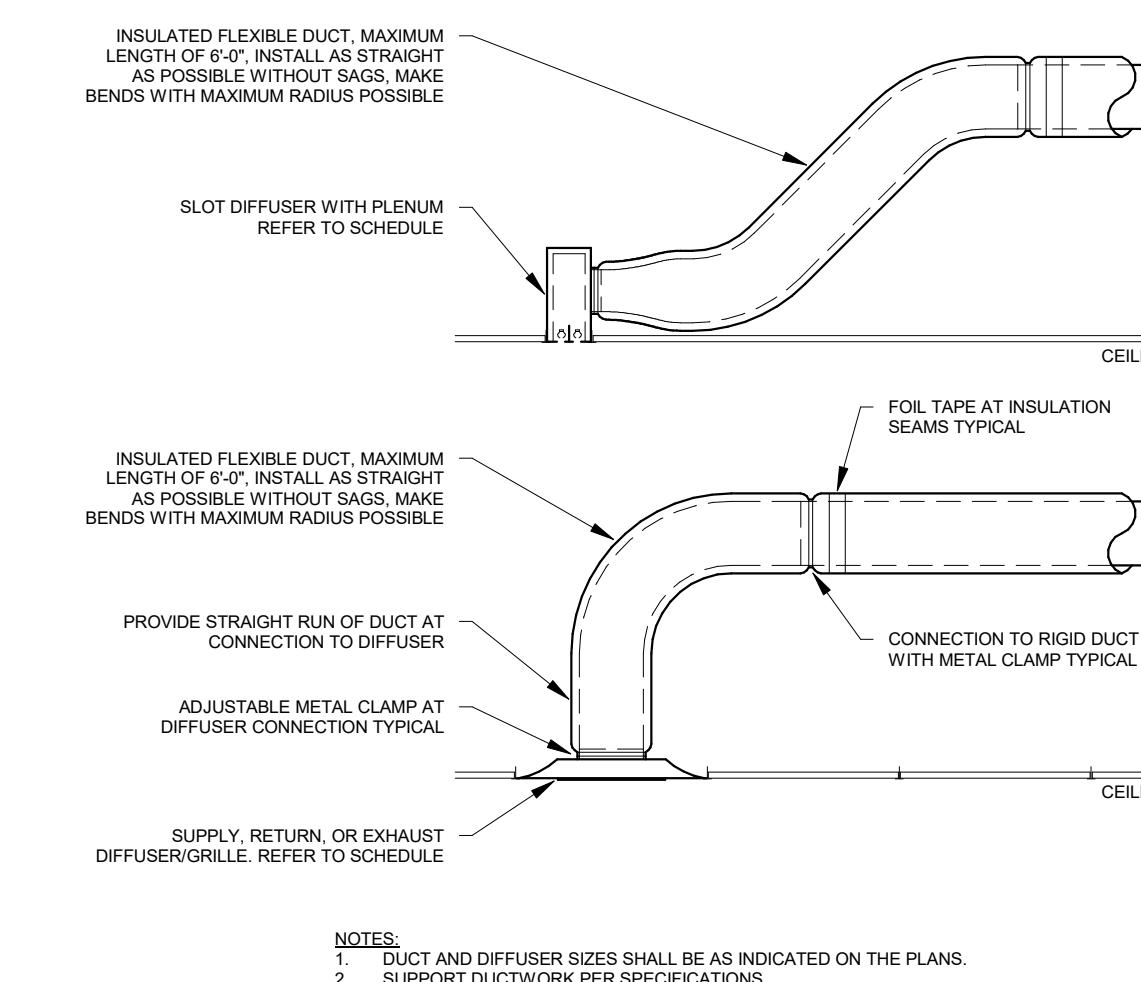
- A. PROVIDE MOUNTING FRAME TO MATCH CEILING TYPE. VERIFY WITH ARCHITECT'S PLANS PRIOR TO ORDERING.
- B. REFER TO DIFFUSER TAGS ON PLANS FOR NECK SIZE AND AIRFLOW.
- C. WHERE NOT NOTED, DIFFUSER NECK SIZE SHALL BE THE SAME AS THE BRANCH DUCT SIZE.
- D. UNLESS NOTED OTHERWISE, COLOR SHALL BE STANDARD WHITE. CONFIRM FINAL COLOR WITH ARCHITECT.
- E. FOUR-WAY THROW PATTERN FOR SQUARE DIFFUSERS UNLESS NOTED OTHERWISE.
- F. MAXIMUM NC OF 30 FOR ALL GRILLES, REGISTERS, AND DIFFUSERS.
- G. MAXIMUM PRESSURE DROP OF 0.1 IN-WG FOR ALL GRILLES, REGISTERS, AND DIFFUSERS.

## PLUMBING FIXTURE SCHEDULE

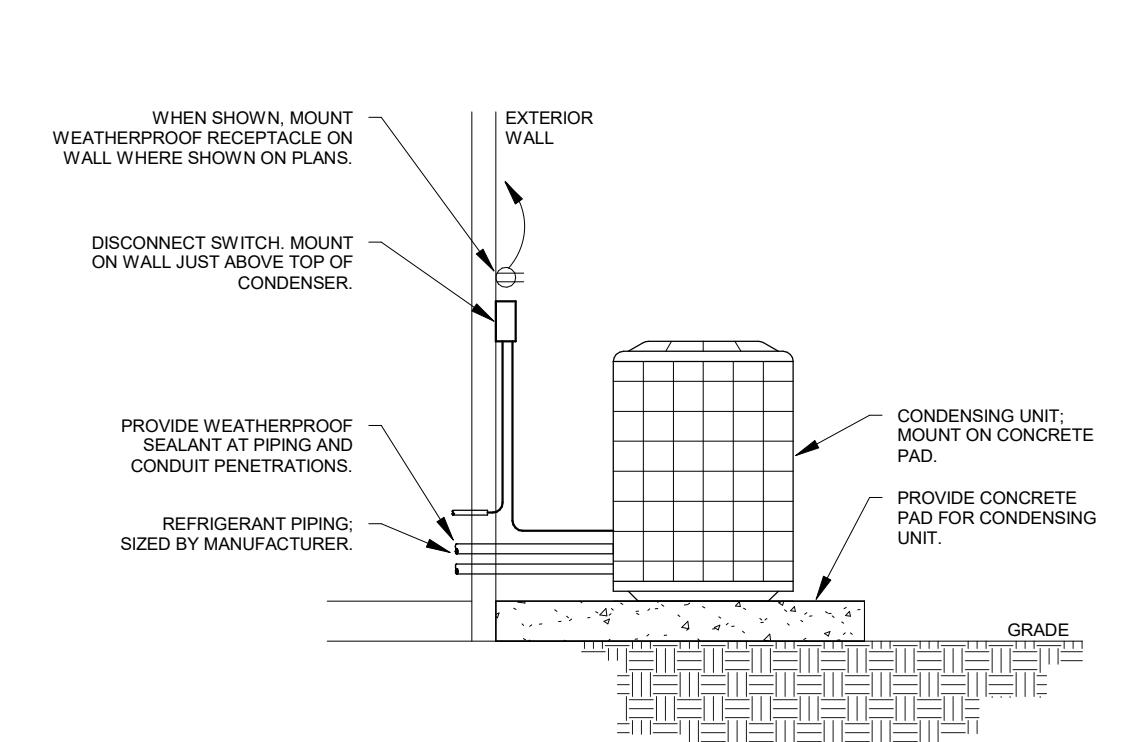
| EQUIPMENT MARK | DESCRIPTION                           | MANUFACTURER | MODEL    | TRIM   | CONNECTIONS |         |
|----------------|---------------------------------------|--------------|----------|--|-------------|---------|
|                |                                       |              |          |  | CW (IN)     | HW (IN) |
| YH-1           | NON-FREEZE, NON-POTABLE, YARD HYDRANT | WOODFORD     | MODEL Y2 | MIN. OF 36" BURY DEPTH, BACKFLOW PROTECTED, AUTOMATIC DRAINING | 0.75        | -       |



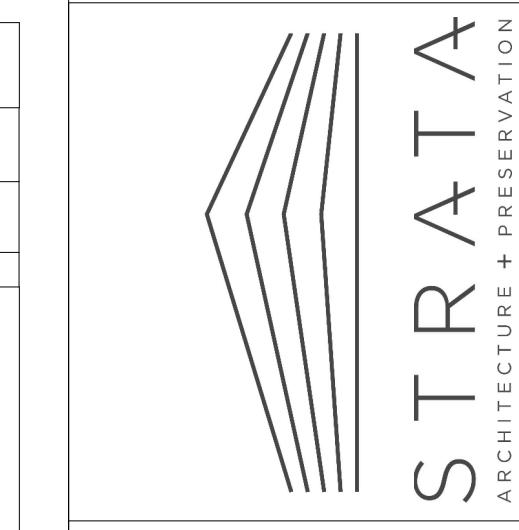
3 NOT TO SCALE



2 DIFFUSER CONNECTION  
NOT TO SCALE



1 CONDENSING UNIT GRADE MOUNTING  
NOT TO SCALE

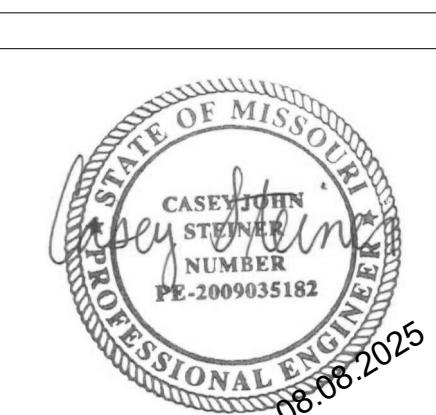


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DATE: 20250808  
REVISION & DATE:

MECHANICAL SCHEDULES AND DETAILS

SHEET NUMBER:  
M201

