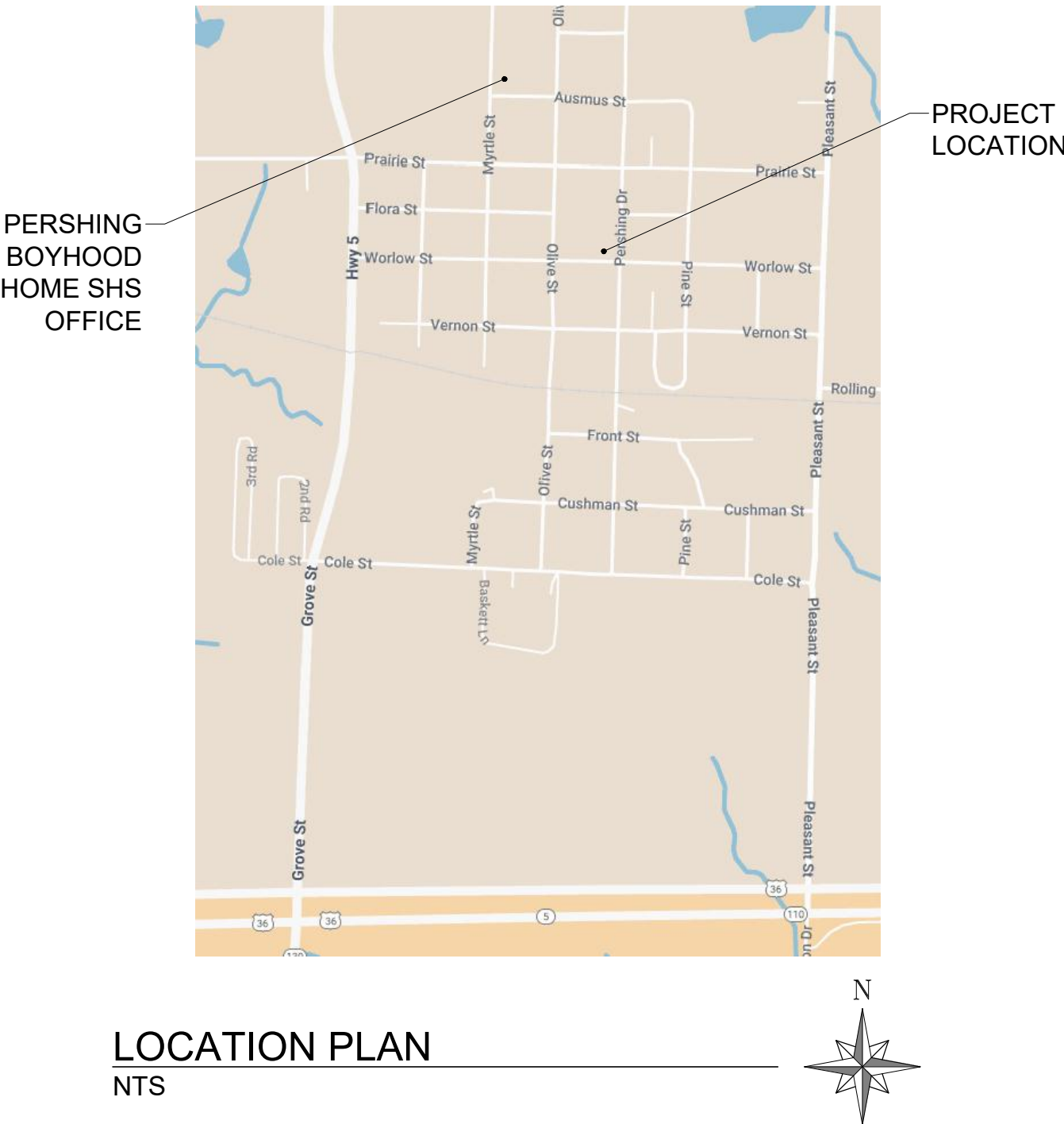


PERSHING BOYHOOD HOME SHS FOUNDATION STABILIZATION & REPAIR LACLEDE, MISSOURI

PRIME CONSULTANT / STRUCTURAL:
ABS Consulting
AN ABS GROUP COMPANY
MO State Certificate of Authority #2004000080
1701 City Plaza Drive
Spring, TX 77389
Phone (636) 875-0118
www.abs-group.com

HISTORIC ARCHITECT:
LOGAN ARCHITECTS ATELIER
The ARCHITECTURAL & HISTORICAL DESIGN STUDIO
ARCHITECT & CULTURAL RESOURCES CONSULTANT
PRESERVATION • REHABILITATION • RESTORATION • RECONSTRUCTION • NEW CONSTRUCTION
MO State Certificate of Authority #A2025013352
1005 Nichols Street
Fulton, MO 65251
Phone (573) 310-8686
www.loganarchitectsatelier.com

MEP CONSULTANT:
MANN
Architectural Engineering, LLC
Certificate of Authority: E2010005597
1512 Polaris Drive
Ellisville, MO 63011
(636) 527-4641



OWNER: STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR
DEPARTMENT OF
NATURAL RESOURCES
DIVISION OF STATE PARKS

PROJECT
MANAGEMENT: OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DESIGNER: ABSG CONSULTING, INC.

PROJECT NUMBER: X2520-01

FMDC SITE NUMBER: 5112

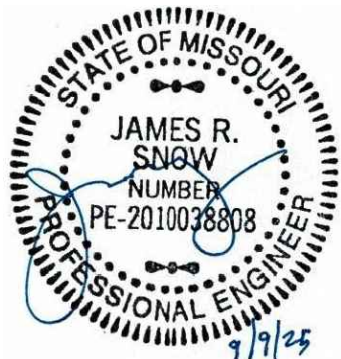
FMDC FACILITY NUMBER (HOME): 7815112001
FMDC FACILITY NUMBER (ROOT CELLAR): 7815112010

DSP SITE NUMBER: 4112

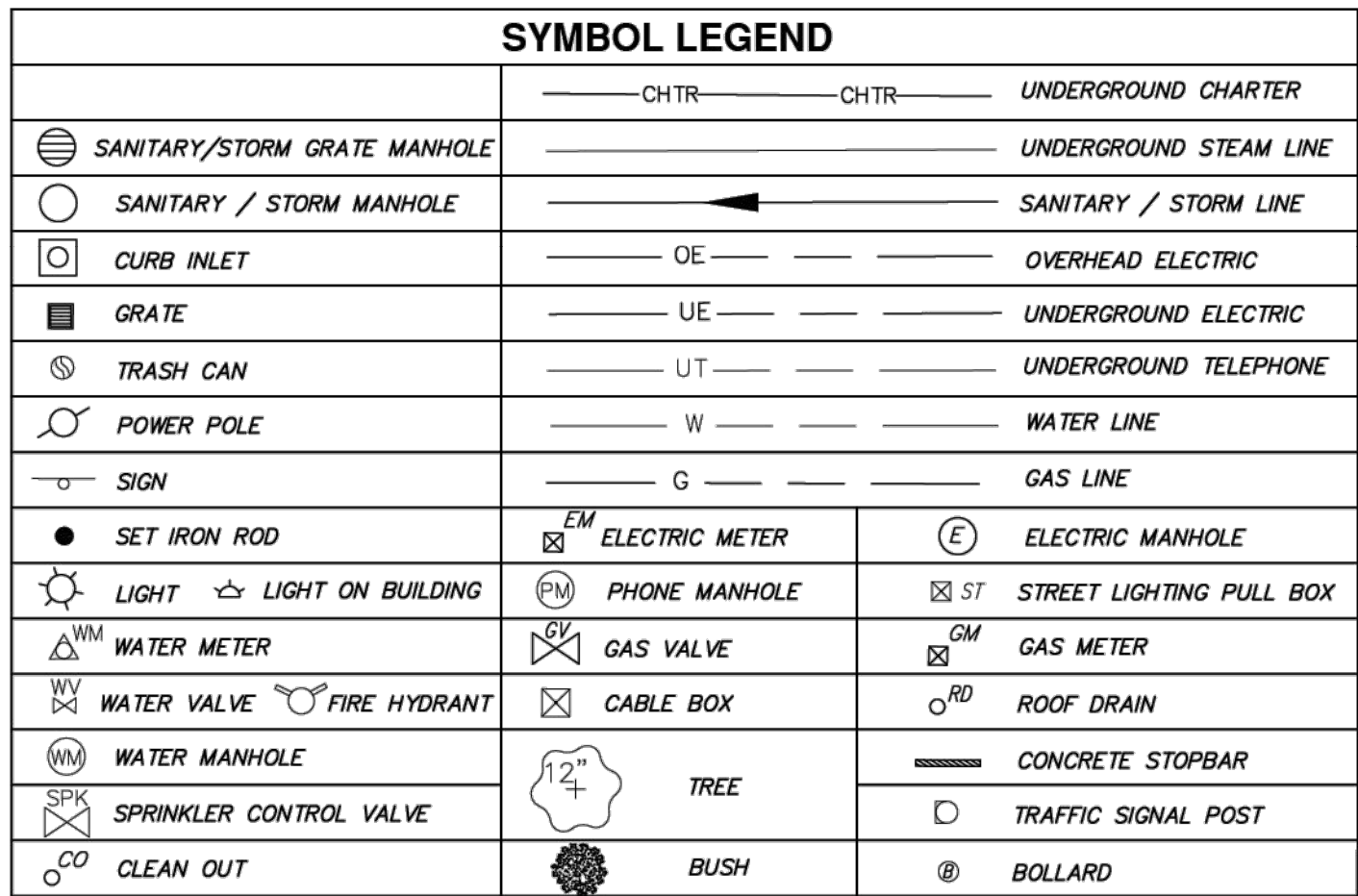
DSP FACILITY NUMBER: 51073

BID DOCUMENTS
SEPTEMBER 9, 2025

SHEET INDEX			
NUMBER	TITLE	NUMBER	TITLE
G-001	COVER SHEET	A-101	SITE PLAN
V-100	SURVEY	A-401	ROOT CELLAR - PLANS AND ELEVATIONS
V-101	ADDITIONAL SURVEY INFORMATION	A-501	WALKWAY AND RAMP/CISTERN PLAN & DETAILS
S-001	GENERAL NOTES	P-101	PLUMBING BASEMENT PLAN
S-002	GENERAL NOTES	P-102	PLUMBING FIRST FLOOR PLAN
S-101	EXISTING FOUNDATION PLAN	M-101	MECHANICAL BASEMENT PLAN
S-102	NEW FOUNDATION PLAN	M-102	MECHANICAL FIRST FLOOR PLAN
S-103	FIRST FLOOR FRAMING PLAN	E-101	ELECTRICAL BASEMENT PLAN
S-301	SECTIONS	E-102	ELECTRICAL FIRST FLOOR PLAN



SHEET NUMBER:
G-001
SHEET 01 OF 18



BASIS OF BEARING:

BEARINGS ARE IN RELATION TO THE BEARINGS ON THE PREVIOUS SURVEY PERFORMED BY THE MISSOURI DEPARTMENT OF NATURAL RESOURCES DATE 7-26-89.

NOTES:

ALL DIMENSIONS ARE SHOWN IN FEET AND DECIMAL FRACTIONS THEREOF

NO RESEARCH HAS BEEN CONDUCTED TO DETERMINE ZONING, BUILDING LINES, OR SET-BACK LINES. THEREFORE NOT ALL SUCH MAY BE SHOWN HEREON.

NO CURRENT COMMITMENT FOR TITLE INSURANCE HAS BEEN SUPPLIED TO THE LAND SURVEYOR; THEREFORE NOT ALL EASEMENTS NOR RESTRICTIVE CONDITIONS MAY BE SHOWN HEREON. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY THE SURVEYOR.

UTILITY LINES SHOWN HEREON ARE BASED UPON AVAILABLE RECORDS SUPPLIED BY UTILITY COMPANIES, FIELD LOCATION OF VISIBLE UTILITIES, AND UPON FIELD LOCATION OF FLAGGING SUPPLIED BY UTILITY COMPANIES. THE LOCATION AND/OR EXISTENCE OF UTILITY SERVICE LINES TO THE PROPERTY SURVEYED ARE UNKNOWN AND NOT ALL MAY BE SHOWN HEREON. CONTACT 1-800-DIG-RITE BEFORE ANY EXCAVATION.

BENCHMARK:

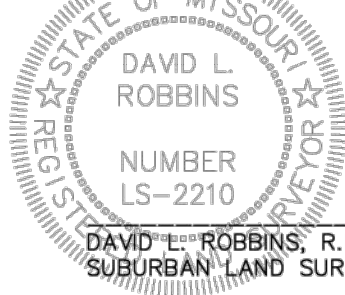
BENCHMARK: ELEVATIONS ARE DERIVED USING GLOBAL POSITIONING TO ESTABLISH VECTORS TO BASE STATIONS OF THE MoDOT VIRTUAL NETWORK USING GEOID MODEL 2012A AND NAVD88.

SITE BENCHMARK:

CUT CROSS ON SIDEWALK - ELEVATION 797.99 LOCATION IS SHOWN HEREON THIS DRAWING. LOCATION IS APPROXIMATELY 14.00' FROM THE SOUTHWEST CORNER OF SUBJECT PROPERTY.

SURVEYOR'S CERTIFICATION:

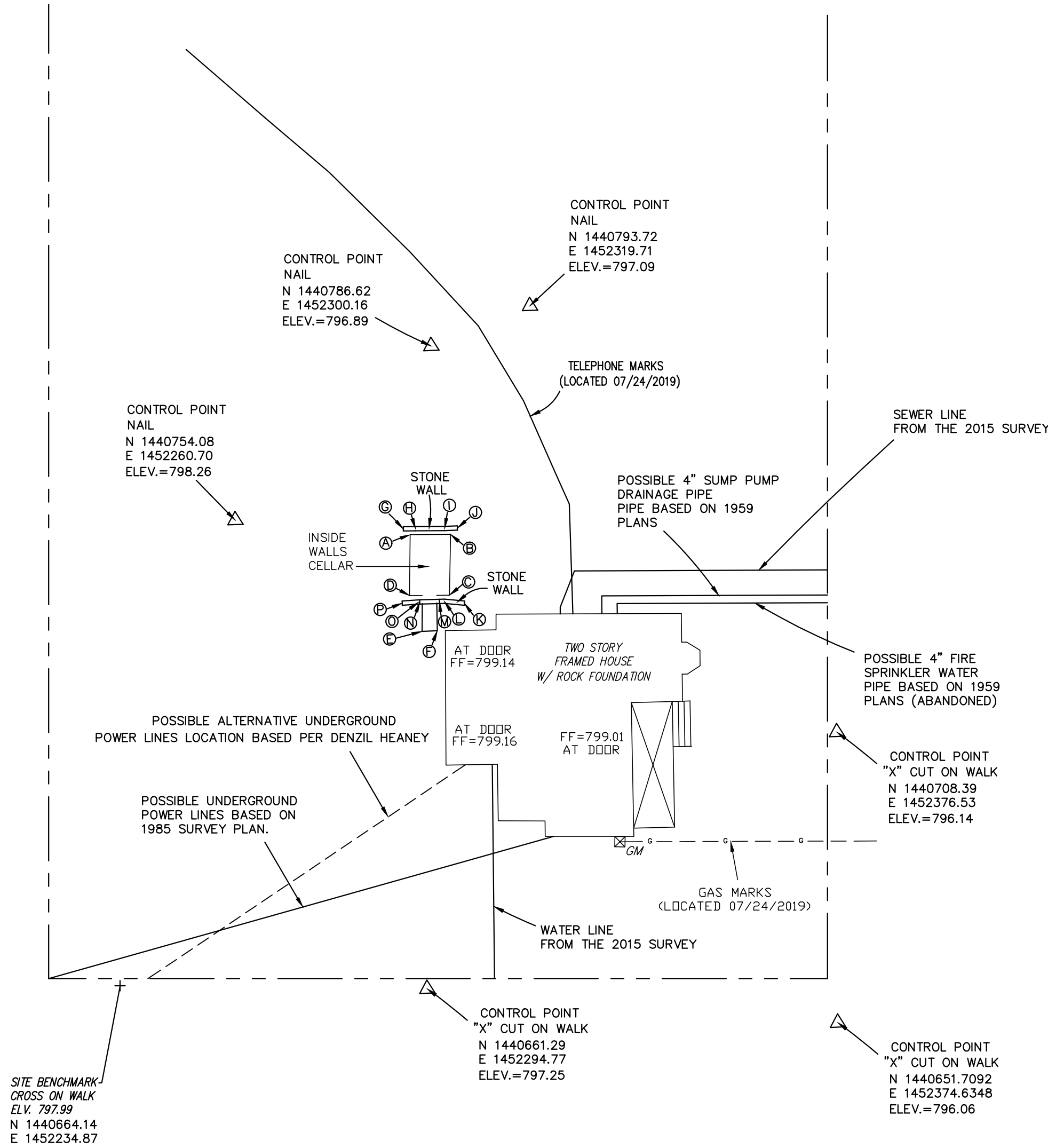
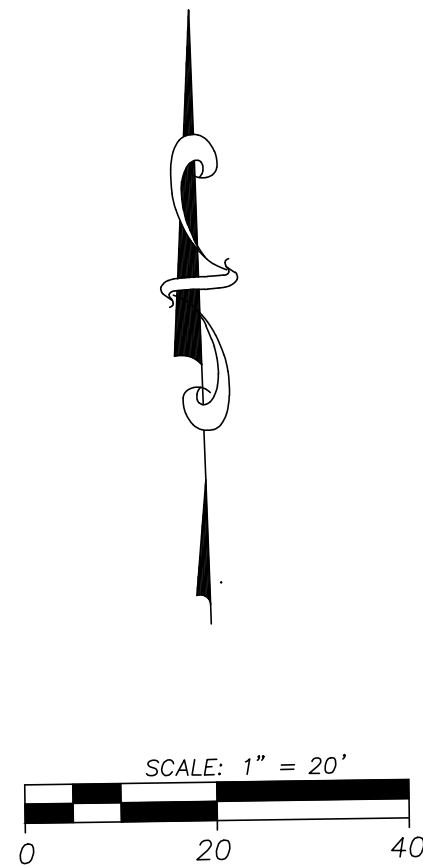
THIS IS TO CERTIFY TO ABSG CONSULTING INC., THAT AT THEIR REQUEST, SUBURBAN LAND SURVEY, INC. HAS PREPARED A TOPOGRAPHIC SURVEY PLAT DATED DECEMBER 4, 2015, OF A TRACT OF LAND BEING IN A LOT IN HARRIS SQUARE AS DESCRIBED IN DEED BOOK 342, PAGE 244, BOOK 489, PAGE 501 AND BOOK 499, PAGE 8. ALL IN THE NORTHERN ADDITION TO THE CITY OF LACLEDE, LINN COUNTY, MISSOURI; THAT THIS PLAT DOES NOT CONSTITUTE A BOUNDARY SURVEY, BOUNDARY LINES SHOWN ARE FOR REFERENCE ONLY BASED ON MONUMENTATION FOUND IN THE FIELD.



DAVID L. ROBBINS, R.L.S. 2210 DATE
SUBURBAN LAND SURVEY, INC. LS-378-D

[illegible]

PERSHING HOME STATE HISTORIC SITE
LAND BEING PART OF BLOCK 7, ALL IN THE NORTHERN ADDITION TO
THE CITY OF LACLEDE, LINN COUNTY, MISSOURI



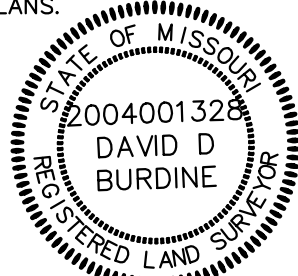
COORDINATES AND ELEVATIONS ARE BASED ON SURVEY BY SUBURBAN LAND SURVEY
DATED: 12/04/2015

POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION
A	INSIDE CORNER ROOT CELLAR	1440749.98	1452294.71	793.65 (FLOOR)
B	INSIDE CORNER ROOT CELLAR	1440749.75	1452302.62	793.49 (FLOOR)
C	INSIDE CORNER ROOT CELLAR	1440737.88	1452301.95	793.48 (FLOOR)
D	INSIDE CORNER ROOT CELLAR	1440738.11	1452294.14	793.70 (FLOOR)
E	INSIDE WALL AT TOP STEPS	1440731.04	1452296.33	798.15
F	INSIDE WALL AT TOP STEPS	1440731.04	1452299.33	798.06
G	TOP WALL @ END	1440751.16	1452293.41	798.64
H	TOP WALL	1440751.11	1452295.78	801.01
I	TOP WALL	1440750.92	1452301.48	800.85
J	TOP WALL @ END	1440750.93	1452303.98	798.53
K	TOP WALL @ END	1440736.22	1452304.80	798.35
L	TOP WALL	1440736.75	1452300.91	801.03
M	TOP WALL	1440736.74	1452299.95	801.48
N	TOP WALL	1440736.78	1452296.08	801.52
O	TOP WALL	1440736.74	1452295.84	801.01
P	TOP WALL @ END	1440736.68	1452292.66	799.27

"ALL UNDERGROUND UTILITY LOCATIONS MUST BE FIELD VERIFIED BY
CONTRACTOR PRIOR TO ANY EXCAVATION WORK."

THIS IS TO CERTIFY TO ABSG CONSULTING INC., THAT AT THEIR REQUEST, BURDINE AND ASSOCIATES INC.
ON JULY 24, 2019 HAS PREPARED THIS PLAT SHOWING ADDED INFORMATION AS TO THE LOCATION OF
THE ROOT CELLAR AND COORDINATE VALUES THAT CAN BE USED TO RE-ESTABLISH IT LOCATION, ALSO
THE LOCATION OF UTILITIES AS MARKED BY ONE CALL OR FROM PREVIOUS PLANS.

David D. Burdine 07/24/2019
DAVID D. BURDINE, PLS2004001328 DATE
BURDINE AND ASSOCIATES, INC.



PERSHING BOYHOOD HOME SITE

ADDED SITE INFO

BURDINE AND ASSOCIATES, INC.

Registered Land Surveyors

636-282-1600

1639 Jeffco Blvd.
Arnold, Mo. 63010

Located on
Jeffco Blvd.
South of Church Rd.

FIELDWORK BY: DDB

CHECKED BY: DRZ

PROJECT NO.:

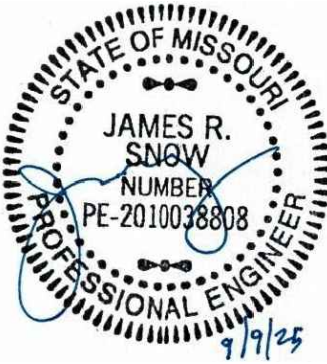
DRAWN BY: DDB

DATE: JULY 24, 2019

19101

SHEET NO: 1 OF 1

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



ABS Consulting

AN ABS GROUP COMPANY

MO State Certificate of Authority

#2004000080

1701 City Plaza Drive

Spring, TX 77389

Phone (636) 875-0118

www.abs-group.com



LOGAN ARCHITECTS ATELIER
ARCHITECT & HISTORICAL DESIGN STUDIO
ARCHITECT & CULTURAL RESOURCES CONSULTANT

MO State Certificate of Authority

#A2025013352

1005 Nichols Street

Fulton, MO 65251

Phone (573) 310-8686

www.loganarchitectsatelier.com

MANN

Architectural Engineering, LLC

Certificate of Authority: E2010005597

1512 Polaris Drive

Ellisville, MO 63011

(636) 527-4641

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES

PERSHING BOYHOOD HOME SHS
FOUNDATION STABILIZATION
& REPAIR

LACLEDE, MISSOURI

PROJECT # X2520-01

FMDC SITE # 5112

FACILITY # (HOME) 7815112001

(ROOT CELLAR) 7815112010

REVISION: _____

DATE: _____

REVISION: _____

DATE: _____

REVISION: _____

DATE: _____

ISSUE DATE: 09/09/2025

CAD DWG FILE: V-101

DRAWN BY: CPG

CHECKED BY: JRS

DESIGNED BY: JRS

SHEET TITLE:

ADDITIONAL

SURVEY

INFORMATION

SHEET NUMBER:

V-101

SHEET 03 OF 18

BID DOCUMENTS SUBMITTAL - 09/09/2025

STRUCTURAL GENERAL NOTES

DIVISION 1 - GENERAL REQUIREMENTS

1.1 CONSTRUCTION MEANS AND METHODS

- A. CONTRACTOR AGREES THAT CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THE WORK, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD OWNER AND STRUCTURAL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF OWNER OR STRUCTURAL ENGINEER.
- B. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INCLUDE THE METHOD OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO: BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED WORK. OBSERVATION VISITS TO THE SITE BY STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- C. ABS CONSULTING SHALL NOT HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE RESPONSIBLE IN ANY WAY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH ANY CONSTRUCTION ACTIVITIES, SINCE THESE ARE SOLELY CONTRACTOR'S RESPONSIBILITY UNDER THE CONTRACT.
- D. ABS CONSULTING SHALL NOT BE RESPONSIBLE FOR CONTRACTOR'S SCHEDULE OR FAILURES TO CARRY OUT ANY CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ABS CONSULTING SHALL NOT HAVE CONTROL OVER OR CHARGE OF ACTIONS OF CONTRACTOR, SUBCONTRACTOR, OR ANY OF THEIR AGENTS, OR EMPLOYEES, OR ANY OTHER PERSONS PERFORMING PORTIONS OF ANY CONSTRUCTION ACTIVITIES.
- E. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED AND PROVIDED BY CONTRACTOR.
- F. THE INFORMATION AND DETAILS FOR THE EXISTING STRUCTURE SHOWN ON THE STRUCTURAL DRAWINGS ARE BASED ON INFORMATION OBTAINED FROM THE EXISTING PAST BUT NOT AS-BUILT DRAWINGS OR FIELD MEASUREMENTS. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, FABRICATION, ETC.

1.2 SUBMITTALS

- A. SUBMITTALS PREPARED BY SUBCONTRACTORS SHALL BE REVIEWED BY CONTRACTOR PRIOR TO SUBMITTING TO ENGINEER.
- B. ALL SUBMITTALS REVIEWED BY STRUCTURAL ENGINEER ARE REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION INCLUDED IN THE CONTRACT DOCUMENTS. ANY ACTION INDICATED IS SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CORRELATING AND CONFIRMING DIMENSIONS AT THE JOB SITE. CHOICE OF FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, AND COORDINATION OF THE WORK WITH THAT OF OTHER TRADES.
- C. THE CONTRACTOR SHALL REVIEW AND APPROVE THE SHOP DRAWINGS PRIOR TO SUBMITTING THEM FOR REVIEW BY THE ENGINEER.

1.3 QUALITY REQUIREMENTS

- A. REFERENCE TO STANDARD SPECIFICATIONS OR CODES OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE STANDARDS IN EFFECT AS OF DATE OF THE CONTRACT DOCUMENTS, UNLESS OTHERWISE NOTED.
- B. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH STANDARD SPECIFICATIONS OR CODES OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION.
- C. ALL OMISSIONS AND CONFLICTS WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- D. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS AT THE JOB SITE. ANY DISCREPANCIES BETWEEN THE CONDITIONS FOUND AND THOSE INDICATED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- E. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE LOCATIONS SPECIFICALLY INDICATED. WHERE A DETAIL IS NOT INDICATED, THE DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR CONDITIONS.
- F. CONTRACTOR DESIGNED ELEMENTS SHALL BE DESIGNED BY LICENSED PROFESSIONAL ENGINEERS REGISTERED IN MISSOURI. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, DESIGN LOAD DATA, SUPPORT REACTIONS, AND CERTIFICATION THAT ELEMENTS WERE DESIGNED FOR LOADS SPECIFIED IN THE CONTRACT DOCUMENTS OR IN THE BUILDING CODE. ALL DOCUMENTS NOTED SHALL BE SEALED BY THE LICENSED ENGINEER. IF CRITERIA INDICATED ARE NOT SUFFICIENT, SUBMIT A WRITTEN REQUEST FOR ADDITIONAL INFORMATION TO ENGINEER. THE FOLLOWING ELEMENTS AND THEIR CONNECTIONS SHALL BE CONTRACTOR DESIGNED:
1. TEMPORARY BRACING AND SHORING

1.4 STATEMENT OF SPECIAL INSPECTIONS

- A. STRUCTURAL INSPECTIONS SHALL BE IN ACCORDANCE WITH CHAPTER 17 OF THE 2018 INTERNATIONAL BUILDING CODE.
1. THE CONTRACTOR SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION DURING CONSTRUCTION ON THE TYPES OF WORK LISTED BELOW.
 - a. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE OWNER AND ENGINEER, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
 - b. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. SPECIAL INSPECTION REPORTS SHALL BE FURNISHED TO THE OWNER, STRUCTURAL ENGINEER, AND GENERAL CONTRACTOR. DISCREPANCIES SHALL BE REPORTED TO THE GENERAL CONTRACTOR AND IF NOT CORRECTED SHALL BE REPORTED TO OWNER AND STRUCTURAL ENGINEER.
 - c. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT STATING THAT THE STRUCTURAL WORK WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 2. SPECIAL INSPECTIONS ARE REQUIRED AS FOLLOWS:
 1. REFER TO 2018 INTERNATIONAL BUILDING CODE CHAPTER 17 AND THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS INCLUDING MATERIAL TESTING.
 2. REFER TO THE SPECIAL INSPECTION TABLE PROVIDED AT THE END OF THE GENERAL NOTES FOR VERIFICATION AND SPECIAL INSPECTION ITEMS REQUIRED AND FREQUENCY OF INSPECTIONS.
 3. THE FOLLOWING CONSTRUCTION REQUIRES SPECIAL INSPECTION:
 - a. STEEL CONSTRUCTION
 - b. CONCRETE CONSTRUCTION
 - c. MASONRY CONSTRUCTION
 - d. SOILS

1.5 DESIGN CRITERIA:

- A. THE NEW BASEMENT WALLS AND FOOTINGS HAS BEEN DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, IBC, 2018 EDITION.
- B. GRAVITY LOADS:
 1. UNIFORM BASEMENT FLOOR SLAB ON GRADE LIVE LOADS
RESIDENTIAL: 40 PSF
- C. LATERAL EARTH PRESSURES:
 1. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION
 - a. WALLS DESIGNED AS RESTRAINED WALLS (AT REST EARTH PRESSURES)
 - b. SITE SOILS TO BE USED AS BACKFILL MATERIALS
 - c. NO SURCHARGE LOADS
 - d. NO HYDROSTATIC PRESSURES (DRAINAGE SYSTEM INSTALLED)

DIVISION 2 _ FOUNDATIONS

2.1 GENERAL

- A. FOUNDATION DESIGN IS BASED UPON RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY SHANNON & WILSON, INC. DATED DECEMBER 4, 2015. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD THAT ARE DIFFERENT FROM THOSE ASSUMED IN DESIGN.
- B. THE GEOTECHNICAL INVESTIGATION REPORT INDICATES THAT UNDOCUMENTED LEAN CLAY FILL AND FAT CLAY FILL WAS ENCOUNTERED IN ONE OF TWO BORINGS TO A DEPTH OF 15 FEET BELOW GRADE. UNDOCUMENTED FILL SOILS SHOULD NOT BE CONSIDERED NATIVE SOILS OR STRUCTURAL FILL. IF UNDOCUMENTED FILL IS ENCOUNTERED IN THE FOOTPRINT OF THE BUILDING OR BELOW FOOTINGS, A QUALIFIED GEOTECHNICAL ENGINEER SHALL BE CONSULTED TO PROVIDE ADDITIONAL HAND SAMPLING AND EVALUATION OF THE FILL TO PROVIDE AN OPINION AS TO THE CONSISTENCY OF THE FILL AND PROVIDE A GENERAL DISCUSSION OF THE RISK OF BEARING FOOTINGS OR THE SLAB ON GRADE ON THE EXISTING FILL SOILS PRIOR TO PLACEMENT OF REINFORCING STEEL AND CONCRETE.
- C. THE CONTRACTOR SHALL SUBCONTRACT WITH A QUALIFIED GEOTECHNICAL ENGINEER TO CERTIFY THE BEARING STRATA BELOW ALL FOOTINGS AND THE BASEMENT FLOOR SLAB ON GRADE.

- D. EXCAVATIONS SHALL BE KEPT FREE OF LOOSE MATERIAL AND STANDING WATER.

2.2 FOOTINGS

- A. ALL FOOTINGS SHALL BEAR ON AND BE FORMED BY CLEAN, UNDISTURBED, VIRGIN, SUB-SOIL OR COMPACTED ENGINEERED FILL WITH AN ALLOWABLE BEARING PRESSURE OF 3,000 PSF.
- B. IF ISOLATED AREAS OF SOFT OR UNSUITABLE BEARING MATERIALS ARE ENCOUNTERED UNDER FOOTINGS OR SLAB ON GRADE AREAS; OVEREXCAVATION MAY BE REQUIRED AS DIRECTED BY THE GEOTECHNICAL ENGINEER. IF OVEREXCAVATION IS REQUIRED, EXTENT OF OVEREXCAVATION SHALL BE AS DIRECTED BY THE GEOTECHNICAL ENGINEER AND SHALL BE BACKFILLED WITH LEAN CONCRETE OR COMPACTED FILL.
- C. FILL PLACEMENT AND PROOFROLLING OF THE EXPOSED SUBGRADE SHOULD BE MONITORED BY THE GEOTECHNICAL ENGINEER TO VERIFY THAT UNSTABLE MATERIALS ARE NOT PRESENT AND THAT PROPER PLACEMENT AND COMPACTION OF MATERIALS HAS BEEN ACCOMPLISHED.

2.3 SWELLING SOILS

- A. HIGHLY PLASTIC CLAY WAS ENCOUNTERED IN BOTH BORINGS PERFORMED FOR THE GEOTECHNICAL INVESTIGATION. SUCH SOILS HAVE A HIGH TO VERY HIGH POTENTIAL TO SHRINK AND SWELL AS MOISTURE CONTENT CHANGES UNDER LIGHT LOADS. THE RISKS ASSOCIATED WITH THESE HIGHLY PLASTIC CLAY SOILS CAN BE REDUCED BUT NOT COMPLETELY ELIMINATED.
- B. OVEREXCAVATION AND REMOVAL OF THE HIGHLY PLASTIC CLAY SOILS OR LIME MODIFICATION OF SITE SOILS IS NOT PLANNED BELOW THE FOUNDATIONS OR THE SLAB ON GRADE. THEREFORE, THE CONTRACTOR SHALL LIMIT THE AMOUNT OF MOISTURE CHANGE WITHIN THE SITE SOILS DURING CONSTRUCTION AS MUCH AS POSSIBLE TO REDUCE THE SWELLING OR SHRINKING POTENTIAL OF THE EXISTING SOILS.
- C. ALL BELOW GRADE UTILITIES SHALL BE CONSTRUCTED WITH TIGHT JOINTS TO PREVENT LEAKAGE AND TO LIMIT THE AMOUNT OF MOISTURE THAT IS INTRODUCED INTO THE SUBGRADE SOILS.
- D. ALL STRUCTURAL FILL AND BACKFILL SOILS TO BE USED ON THE PROJECT WHETHER FROM ON-SITE SOURCES OR OFF-SITE BORROW AREAS SHALL BE APPROVED PRIOR TO DELIVERY/USE BY THE GEOTECHNICAL ENGINEER SINCE THE USE OF SATISFACTORY MATERIALS WILL REDUCE THE POTENTIAL FOR HEAVING OF FLOOR SLABS DUE TO SWELLING CLAYS. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION FOR FILL AND BACKFILL RECOMMENDATIONS AND COMPACTION REQUIREMENTS.
- E. SLAB ON GRADE MUST PROVIDED WITH JOINTS AT THE WALLS AND COLUMNS TO ACCOMMODATE VERTICAL SLAB MOVEMENTS DUE TO MINOR VOLUME CHANGES IN THE SUBGRADE. SEE DETAILS FOR ADDITIONAL JOINT INFORMATION.

DIVISION 3 _ CONCRETE

3.1 REINFORCING

- A. GENERAL
1. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, DEFORMED BARS, UNLESS NOTED OTHERWISE. WELDING OF ASTM A615, GRADE 60 REINFORCING IS NOT ALLOWED.
 2. WELDED WIRE FABRIC SHALL BE ASTM A185 AND SHALL BE CONTACT LAP SPLICED TWO FULL WIRE SPACES.
 3. ALL REINFORCING BARS SHALL BE DETAILED, FABRICATED, SUPPORTED, AND PLACED IN ACCORDANCE WITH ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" AND CRSI'S "MANUAL OF STANDARD PRACTICE".
 4. REINFORCING, INCLUDING DOWELS, SHALL BE SECURELY TIED AND CAST WITH THE LOWER MEMBER. PLACING REINFORCING AFTER CONCRETE HAS BEEN PLACED IS NOT PERMITTED.
 5. FIELD BENDING OF REINFORCING PARTIALLY EMBEDDED IN CONCRETE IS NOT ALLOWED UNLESS SPECIFICALLY NOTED IN THE STRUCTURAL DOCUMENTS OR APPROVED BY STRUCTURAL ENGINEER.
 6. CLEAN REINFORCEMENT OF LOOSE RUST AND MILL SCALE, SOIL, ICE, AND OTHER FOREIGN MATERIALS.
 7. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT. LOCATE AND SUPPORT REINFORCEMENT WITH BAR SUPPORTS TO MAINTAIN MINIMUM CONCRETE COVER WITHIN TOLERANCES OF ACI 117.
 - a. DO NOT TACK WELD CROSSING REINFORCING BARS.
 8. SET WIRE TIES WITH ENDS DIRECTED INTO THE CONCRETE, NOT TOWARD CONCRETE SURFACES.
 9. PROVIDE DOWELS FROM FOUNDATION THE SAME GRADE, SIZE, AND NUMBER AS VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.
 10. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING AT CORNERS AND INTERSECTIONS.
 11. REINFORCEMENT ACCESSORIES: PROVIDE BOLSTERS, CHAIRS, SPACERS, AND OTHER DEVICES FOR SPACING, SUPPORTING, AND FASTENING REINFORCING BARS IN PLACE. MANUFACTURE BAR SUPPORTS FROM STEEL WIRE OR PLASTIC ACCORDING TO CRSI'S "MANUAL OF STANDARD PRACTICE".
 12. MECHANICAL COUPLERS SHALL BE UNI-AXIAL TYPE CAPABLE OF DEVELOPING 125% OF THE SPECIFIED YIELD STRENGTH OF THE BAR IN TENSION.
 13. ALL REINFORCING SHALL BE CONTACT LAP SPLICED OR DOWELED AS FOLLOWS:
#4 BARS _ 37"
#5 BARS _ 47"
#6 BARS _ 56"

B. SLABS

1. SLAB ON GRADE TO HAVE 4X4-W2.9XW2.9 WWF CENTERED IN MIDDLE 1/4 OF SLAB.
2. PROVIDE SLAB BOLSTERS, HIGHCHAIRS, AND #5 SUPPORT BARS AS NECESSARY TO MAINTAIN PROPER PLACEMENT OF REINFORCING.
3. PROVIDE 2_#5 TOP X 5_0" DIAGONALS AT CORNERS OF OPENINGS AND RE-ENTRANT CORNERS, UNLESS NOTED OTHERWISE.

3.2 CAST-IN-PLACE CONCRETE

- A. REINFORCED CONCRETE SHALL BE NORMAL WEIGHT AND HAVE A MINIMUM 28_DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
- B. ALL CONCRETE TO BE NORMAL WEIGHT CONCRETE: 145 PCF (+/- 3 PCF);
- C. ALL CONCRETE EXPOSED TO FREEZING AND THAWING AND DEICER CHEMICALS SHALL HAVE 6% (+1%/-1.5%) AIR ENTRAINMENT. DO NOT AIR ENTRAIN CONCRETE TO BE TROWEL FINISHED.
- D. PROVIDE CONCRETE COVER FOR REINFORCING AS FOLLOWS:
 1. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
 2. CONCRETE EXPOSED TO EARTH OR WEATHER: 2"
 3. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
 - a. SLABS AND WALLS: 3/4"
 - b. BEAMS AND COLUMNS: 1-1/2"
- E. PROVIDE CONSTRUCTION OR CONTROL JOINTS IN SLAB-ON-GRADE AS INDICATED IN THE STRUCTURAL DRAWINGS. IF JOINT PATTERN IS NOT INDICATED, PROVIDE JOINTS AT 15 FEET (+/-) MAXIMUM IN BOTH DIRECTIONS AND LOCATED TO CONFORM TO BAY SPACING WHEREVER POSSIBLE (AT COLUMN CENTERLINES, HALF BAYS, THIRD BAYS, ETC.).
- F. CONSTRUCTION JOINTS IN WALLS SHALL BE KEYED AND PLACED AT LOCATIONS APPROVED BY STRUCTURAL ENGINEER.
- G. INTERFACE OF CONSTRUCTION JOINTS SHALL BE ROUGHENED TO A FULL AMPLITUDE OF 1/4". SURFACE OF CONSTRUCTION JOINTS SHALL BE CLEAN AND FREE OF LAITANCE. IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, CONSTRUCTION JOINTS SHALL BE WETTED AND STANDING WATER REMOVED.
- H. PROVIDE COMPRESSIBLE FILLER AND SEALANT IN SLAB-ON-GRADE AND WALL AND COLUMN INTERFACES.
- I. SLAB ON GRADE TO BE 4" THICK UNDERLAIN BY 10 MIL VAPOR BARRIER ON 6" THICK, 3/4" MINUS CRUSHED LIMESTONE GRANULAR FILL, TO MINIMUM 95% MODIFIED PROCTOR DENSITY, UNLESS NOTED OTHERWISE.
- J. AT FLOOR DRAINS, LOCALLY SLOPE FLOOR TOWARDS DRAIN. SEE DOCUMENTS FROM OTHER DISCIPLINES FOR DRAIN LOCATIONS.

DIVISION 4 _ CONCRETE MASONRY

4.1 REINFORCING

- A. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, DEFORMED BARS, UNLESS NOTED OTHERWISE. WELDING OF ASTM A615, GRADE 60 REINFORCING IS NOT ALLOWED.
- B. JOINT REINFORCING SHALL BE LADDER TYPE CONFORMING TO ASTM A951, WITH PREFABRICATED CORNER AND TEE UNITS AT CORNERS AND INTERSECTIONS.
- C. DOWELS TO SUPPORTING STRUCTURE SHALL BE SAME GRADE, SIZE, AND NUMBER AS VERTICAL REINFORCING.
- D. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING AT CORNERS AND INTERSECTIONS.
- E. VERTICAL REINFORCING SHALL BE CENTERED IN WALL, UNLESS NOTED OTHERWISE.
- F. REINFORCING SHALL BE LAPPED 48 BAR DIAMETERS WITH CONTACT LAP SPLICES. JOINT REINFORCING SHALL BE LAPPED 6".
- G. REINFORCE CONCRETE MASONRY VERTICALLY AS INDICATED IN THE STRUCTURAL DRAWINGS.
- H. SPACE JOINT REINFORCEMENT AT 16" O.C. VERTICALLY TYPICAL, UNLESS NOTED OTHERWISE.
- I. REINFORCE BOND BEAMS WITH 2_#5 REBARS CONTINUOUS, UNLESS NOTED OTHERWISE.
- 4.2 CONCRETE MASONRY
- A. CONCRETE MASONRY UNITS SHALL BE ASTM C90, NORMAL WEIGHT.
- B. PROVIDE CONCRETE UNIT MASONRY THAT DEVELOPS THE FOLLOWING MINIMUM NET-AREA COMPRESSIVE STRENGTH (F_m) AT 28_DAYS: 2000 PSI.
- C. MORTAR SHALL BE TYPE M OR S
- D. GROUT SHALL CONFORM TO ASTM C476. GROUT SHALL BE PROPORTIONED WITH A SLUMP OF 8" TO 11" USING 3/8" NOMINAL MAXIMUM SIZE COARSE AGGREGATE.
- E. GROUT VERTICAL REINFORCED CELLS AND BOND BEAMS SOLID.
- F. GROUT CONCRETE MASONRY BELOW GRADE SOLID.
- G. ALL VERTICAL CELLS TO BE GROUTED SHALL HAVE VERTICAL ALIGNMENT TO MAINTAIN A CONTINUOUS UNOBSTRUCTED CELL AREA NOT LESS THAN 2" X 3".

DIVISION 5 _ METALS

5.1 STRUCTURAL STEEL

- A. GENERAL
1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC 360-10 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
 2. MATERIALS SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED OTHERWISE.
 - a. W'S: ASTM A992
 - b. PLATES & OTHER SHAPES: ASTM A36
 - c. HSS: ASTM A500, GRADE B
 - d. PIPE: ASTM A53, TYPE E OR S, GRADE B
 - e. BOLTS: ASTM A325, 3/4" DIAMETER (MIN.), HEX HEAD
 - f. ANCHOR RODS: ASTM F1554, GRADE 36 WITH A36 WASHERS AND HEAVY HEX NUTS
 3. BEAM CONNECTIONS SHALL BE AS INDICATED ON THE STRUCTURAL DRAWINGS.
 4. ALL STEEL BEAMS BEARING ON CONCRETE OR MASONRY SHALL HAVE 6" MINIMUM BEARING, UNLESS NOTED OTHERWISE.
 5. WHERE ITEMS ARE TO BE ANCHORED TO CONCRETE OR MASONRY, EXCEPT AT COLUMN BASE PLATES, USE STANDARD SIZED HOLES IN STEEL MEMBER, UNLESS NOTED OTHERWISE.

DIVISION 6 - WOOD

6.1 GENERAL

- A. THESE GENERAL NOTES ARE TO BE USED FOR DIMENSION LUMBER, FASTENERS AND METAL FRAMING ANCHORS.
- B. ALL WOOD SHALL BE STORED ON SITE TO PREVENT WARPING, CUPPING, BOWING, CROOKING AND TWISTING. USE ONLY MATERIAL THAT IS STRAIGHT. ALL WOOD SHALL BE HELD OFF THE GROUND WITH SACRIFICIAL DUNNAGE BLOCKS.
- C. ALL LUMBER SHALL BE GRADE STAMPED BY THE APPROPRIATE GRADING AGENCY.

6.2 DIMENSION LUMBER

- A. INCLUDES, JOISTS, BEAMS, HEADERS, WALL TOP PLATES.
1. MATERIALS SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED OTHERWISE:
 - a. VISUALLY GRADED SOUTHERN PINE NO. 2 OR BETTER, AKD-19 OR ASD-19.
 - b. MINIMUM STRESS REQUIREMENTS:

	2x4	2x6	2x8	2x10	2x12
FB* (PSI)	1500	1250	1200	1050	975
FT (PSI)	825	725	650	575	550
FV (PSI)	175	175	175	175	175
FC PERPENDICULAR TO THE GRAIN (PSI)	565	565	565	565	565
FC PARALLEL TO THE GRAIN (PSI)	1650	1600	1550	1500	1450
E (PSI)	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000

6.3 FASTENERS

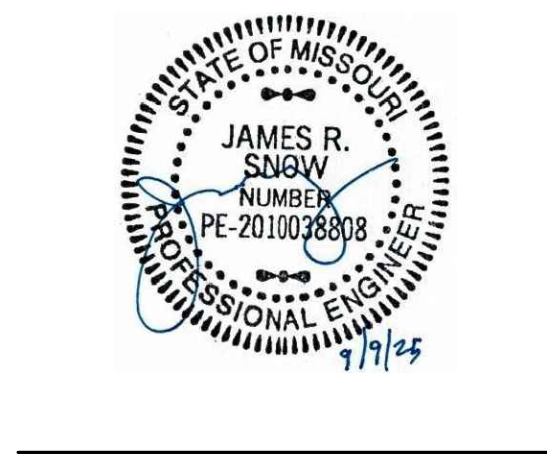
- A. GENERAL: WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER, IN GROUND CONTACT, PRESSURE-PRESERVATIVE TREATED, OR IN AREA OF HIGH RELATIVE HUMIDITY, PROVIDE FASTENERS WITH HOT-DIP ZINC COATING COMPLYING WITH ASTM A 153/A 153M.
- B. NAILS, BRADS, AND STAPLES: ASTM F 1667.
- C. POWER-DRIVEN FASTENERS: NES NER-272.
- D. WOOD SCREWS: ASME B18.6.1.
- E. LAG BOLTS: ASME B18.2.1.
- F. BOLTS: STEEL BOLTS (REFERENCE 6.8.A) COMPLYING WITH ASTM A 307, GRADE A; WITH ASTM A 563 HEX NUTS AND, WHERE INDICATED, FLAT WASHERS.

6.4 METAL FRAMING ANCHORS

- A. BASIS-OF-DESIGN PRODUCTS: ALL DETAILS ARE BASED UPON PRODUCTS MANUFACTURED BY SIMPSON STRONG-TIE CO., INC. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, MANUFACTURERS OFFERING COMPARABLE PRODUCTS MAY BE PROPOSED BY THE CONTRACTOR.
1. ALLOWABLE DESIGN LOADS: PROVIDE PRODUCTS WITH ALLOWABLE DESIGN LOADS, AS PUBLISHED BY MANUFACTURER, THAT MEET OR EXCEED THOSE OF BASIS-OF-DESIGN PRODUCTS.
 - a. MANUFACTURER'S PUBLISHED VALUES SHALL BE DETERMINED FROM EMPIRICAL DATA OR BY RATIONAL ENGINEERING ANALYSIS AND DEMONSTRATED BY COMPREHENSIVE TESTING PERFORMED BY A QUALIFIED INDEPENDENT TESTING AGENCY.

END OF STRUCTURAL GENERAL NOTES

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



ABS Consulting
AN ABS GROUP COMPANY
MO State Certificate of Authority
#2004000080
1701 City Plaza Drive
Spring, TX 77389
Phone (636) 875-0118
www.abs-group.com

LOGAN ARCHITECTS ATELIER
THE ARCHITECTURAL & HISTORICAL DESIGN STUDIO
ARCHITECT & CULTURAL RESOURCES CONSULTANT
1005 Nichols Street
Fulton, MO 65251
Phone (573) 310-8686
www.loganarchitectsatelier.com

MANN
Architectural Engineering, LLC
Certificate of Authority: E2010005597
1512 Polaris Drive
Ellisville, MO 63011
(636) 527-4641

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES

PERSHING BOYHOOD HOME SHS
FOUNDATION STABILIZATION
& REPAIR

LACLEDE, MISSOURI

PROJECT # X2520-01
FMDC SITE # 5112
FACILITY # (HOME) 781512001
(ROOT CELLAR) 781512010

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/09/2025

CAD DWG FILE: S-001
DRAWN BY: CPG
CHECKED BY: JRS
DESIGNED BY: JRS

SHEET TITLE:
**GENERAL
NOTES**

SHEET NUMBER:

S-001
SHEET 04 OF 18

THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.

BID DOCUMENTS SUBMITTAL - 09/09/2025

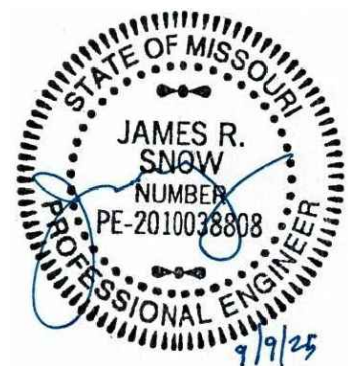
HISTORIC REFERENCE DRAWINGS AVAILABLE TO CONTRACTOR FOR REVIEW / USE FROM STATE OF MISSOURI RECORDS				
STATE SHEET IDENTIFICATION NUMBER	DRAWING NUMBER	SHEET TITLE OR DESCRIPTION	DATE	CONSULTANT / DEPARTMENT
PROJECT TITLE: RENOVATION DESIGN OF PERSHING HOME				
4112-51073-2001-0801-A001.1	A1.1	TITLE & SITE PLAN	8/1/2001	CLAYBAUGH PRESERVATION ARCHITECTURE INC.
4112-51073-2001-0801-S001.1	S1.1	FOUNDATION PLAN	8/1/2001	CLAYBAUGH PRESERVATION ARCHITECTURE INC.
4112-51073-2001-0801-A002.1	A2.1	FIRST FLOOR PLAN	8/1/2001	CLAYBAUGH PRESERVATION ARCHITECTURE INC.
4112-51073-2001-0801-A002.2	A2.2	SECOND FLOOR PLAN	8/1/2001	CLAYBAUGH PRESERVATION ARCHITECTURE INC.
4112-51073-2001-0801-A003.1	A3.1	SOUTH & EAST ELEVATIONS	8/1/2001	CLAYBAUGH PRESERVATION ARCHITECTURE INC.
4112-51073-2001-0801-A003.2	A3.2	NORTH & WEST ELEVATIONS	8/1/2001	CLAYBAUGH PRESERVATION ARCHITECTURE INC.
4112-51073-2001-0801-A003.3	A3.3	BUILDING SECTION & DETAILS	8/1/2001	CLAYBAUGH PRESERVATION ARCHITECTURE INC.
N/A	ME1	BASEMENT MECHANICAL & ELECTRICAL PLAN	1/15/1999	CLAYBAUGH PRESERVATION ARCHITECTURE INC.
N/A	ME2	FIRST & SECOND FLOOR MECHANICAL & ELECTRICAL PLAN	1/15/1999	CLAYBAUGH PRESERVATION ARCHITECTURE INC.
N/A	ME3	BASEMENT DEMOLITON PLAN	1/15/1999	CLAYBAUGH PRESERVATION ARCHITECTURE INC.
PROJECT TITLE: PERSHING HOME STATE HISTORIC SITE				
4112-SURVEY-1989-0726-01	N/A	LAND SURVEY	7/26/1989	MISSOURI DEPARTMENT OF NATURAL RESOURCES
PROJECT TITLE: JOHN J. PERSHING BOYHOOD HOME STATE HISTORIC SITE				
4112-BMAP-1985-0311-01	N/A	BASE - PROPERTY MAP	3/11/1985	MISSOURI DEPARTMENT OF NATURAL RESOURCES
PROJECT TITLE: JOHN J. PERSHING BOYHOOD HOME				
4112-BMAPOLD-1974-0816-01	1 OF 1	PROPERTY MAP	8/16/1974	MISSOURI DEPARTMENT OF NATURAL RESOURCES
PROJECT TITLE: FOUNDATION REPAIR - JOHN J. PERSHING HOME, STATE HISTORIC SITE				
4112-51073-1972-0120-01	1	FOUNDATION PLANS	1/20/1972	MISSOURI DEPARTMENT OF NATURAL RESOURCES
PROJECT TITLE: GENERAL JOHN J. PERSHING BOYHOOD HOME				
4112-51073-1959-0608-H	H	MECHANICAL PLOT PLAN - FLOOR PLANS - DETAILS	6/8/1959	J R DERIGNE & ASSOCIATES
N/A	S-1	FIRE SPRINKLER PLOT PLAN - FLOOR PLANS - DETAILS	6/8/1959	J R DERIGNE & ASSOCIATES

VERIFICATION AND SPECIAL INSPECTION ITEMS		CONTINUOUS OR PERIODIC	REFERENCE CRITERIA
1. STEEL CONSTRUCTION:			
A. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:	1. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE CONSTRUCTION DOCUMENTS	PERIODIC	ASTM SPECIFICATIONS; AISC 360-10, A3.3
	2. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	PERIODIC	---
B. INSPECTION OF HIGH-STRENGTH BOLTING:	1. BEARING-TYPE CONNECTIONS	PERIODIC	AISC 360-10, M2.5
	C. MATERIAL VERIFICATION OF STRUCTURAL STEEL:		
1. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE CONSTRUCTION DOCUMENTS		N/A	ASTM A6 OR ASTM A568
	2. MANUFACTURER'S CERTIFIED MILL TEST REPORTS	N/A	ASTM A6 OR ASTM A568
2. CONCRETE CONSTRUCTION:			
A. INSPECTION OF REINFORCING STEEL AND BOLT SIZE, GRADE, AND PLACEMENT		PERIODIC	ACI 318: 3.5, 7.1-7.7
B. VERIFYING USE OF SPECIFIED CONCRETE MIX DESIGN		PERIODIC	ACI 318: CH. 4, 5.2-5.4
C. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TEST, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONC.		CONTINUOUS	ASTM C 172
			ASTM C 31
D. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES		CONTINUOUS	ACI 318: 5.6, 5.8
			ACI 318: 5.9, 5.10
E. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		PERIODIC	ACI 318: 5.11-5.13
F. INSPECTION OF FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS FOR THE CONCRETE MEMBER BEING FORMED		PERIODIC	ACI 318: 6.1.1
3. MASONRY CONSTRUCTION:			
A. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:	1. PROPORTIONS OF SITE-PREPARED MORTAR	PERIODIC	ACI 530.1 ART. 2.6A
	2. CONSTRUCTION OF MORTAR JOINTS	PERIODIC	ACI 530.1 ART. 3.3B
	3. LOCATION OF REINFORCEMENT AND CONNECTORS	PERIODIC	ACI 530.1 ART. 3.4, 3.6A
B. THE INSPECTION PROGRAM SHALL VERIFY:	1. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	PERIODIC	ACI 530.1 ART. 3.3G
	2. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS FRAMES OR OTHER CONSTRUCTION	PERIODIC	ACI 530 SEC.1.2.2(e), 2.1.4, 3.1.6
	3. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCING	PERIODIC	ACI 530 SEC. 1.13
4. PROTECTION OF MASONRY DURING COLD WEATHER (TEMP BELOW 40F) OR HOT WEATHER (TEMP ABOVE 90F)		PERIODIC	ACI 530.1 ART. 2.4, 3.4
			IBC SEC. 2104.3, 2104.4
C. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:	1. GROUT SPACE IS CLEAN	PERIODIC	ACI 530.1 ART. 3.2D
	2. PLACEMENT OF REINFORCEMENT AND CONNECTORS	PERIODIC	ACI 530 SEC.1.13
	3. PROPORTIONS OF SITE-PREPARED GROUT	PERIODIC	ACI 530.1 ART. 3.4
4. CONSTRUCTION OF MORTAR JOINTS		PERIODIC	ACI 530.1 ART. 2.6B
			ACI 530.1 ART. 3.3B
D. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS		CONTINUOUS	ACI 530.1 ART. 3.5
E. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED		CONTINUOUS	IBC SEC. 2105.2.2, 2105.3
F. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED		PERIODIC	ACI 530.1 ART. 1.4
ACI 530.1 ART. 1.5			
4. SOILS:			
A. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		PERIODIC	---
B. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		PERIODIC	---
C. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS		PERIODIC	---
D. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL		CONTINUOUS	---
E. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		PERIODIC	---

LIST OF ABBREVIATIONS			
AB	ANCHOR BOLT	MAS	MASONRY
ADDNL	ADDITIONAL	MAX	MAXIMUM
ADH	ADHESIVE	MC	MOMENT CONNECTION
AFF	ABOVE FINISH FLOOR	MECH	MECHANICAL
ALT	ALTERNATE	MEZZ	MEZZANINE
ANCH	ANCHOR, ANCHORAGE	MFR	MANUFACTURER
APPROX	APPROXIMATE	MID	MIDDLE
ARCH	ARCHITECT	MIN	MINIMUM
		MISC	MISCELLANEOUS
B	BOTTOM		
B/	BOTTOM OF	NF	NEAR FACE
BAL	BALANCE	NIC	NOT IN CONTRACT
BL	BRICK LEDGE	NS	NEAR SIDE
BLDG	BUILDING	NTS	NOT TO SCALE
BLKG	BLOCKING		
BM	BEAM	OO	OUT TO OUT
BMD	BOTTOM OF METAL DECK	OC	ON CENTER
BOT	BOTTOM	OD	OUTSIDE DIAMETER
BP	BOTTOM OF PIER	OPNG	OPENING
BRG	BEARING	OPP	OPPOSITE
BT	BENT	OPP.HAND, OH	OPPOSITE HAND
BTWN	BETWEEN		
CJ	CONSTRUCTION OR CONTROL JOINT	P NAIL	PNEUMATIC NAIL
CL	CENTER-LINE	P/C	PRECAST
CLR	CLEAR	PC	PIER CAP, PILE CAP
CMU	CONCRETE MASONRY UNIT	PL	PLATE
COL	COLUMN, COLUMNS	PLYWD	PLYWOOD
CONC	CONCRETE	PREFAB	PREFABRICATED
CONN	CONNECT, CONNECTION	PSF	POUND PER SQUARE FOOT
CONST	CONSTRUCTION	PSI	POUND PER SQUARE INCH
CONT	CONTINUE, CONTINUOUS	PT	POINT
CONTR	CONTRACTOR		
CTR	CENTER	RAD	RADIUS
		REF	REFER, REFERENCE
DBA	DEFORMED BAR ANCHOR	REINF	REINFORCING OR REINFORCEMENT
DEG	DEGREE	REQD	REQUIRED
DIA	DIAMETER	RTU	ROOF TOP UNIT
DIAG	DIAGONAL		
DL	DEAD LOAD	SOG	SLAB-ON-GRADE
DN	DOWN	SS	STAINLESS STEEL
DWG	DRAWING	SCHED	SCHEDULE
DWL	DOWEL	SECT	SECTION
		SHT	SHEET
EA	EACH	SHTMTL	SHEET METAL
EF	EACH FACE	SIM	SIMILAR
EJ	EXPANSION JOINT	SP	SPECIAL
EL	ELEVATION	SPA	SPACE
EMBED, EMB	EMBEDMENT	SPEC	SPECIFICATIONS
ENG	ENGINEER	SQ	SQUARE
EQ	EQUAL	STD	STANDARD
EW	EACH WAY	STIFF	STIFFENER
(E)	EXISTING	STL	STEEL
EXP	EXPANSION	STRUC	STRUCTURAL
EXT	EXTERIOR	SW	SHEAR WALL
		SYM	SYMMETRICAL
FDN	FOUNDATION	T	TOP
FF	FAR FACE	T/	TOP OF
FIN	FINISH, FINISHED	T/P/C	TOP OF PIER CAP
FLG	FLANGE	T&B	TOP & BOTTOM
FLR	FLOOR	TBR	TO BE REMOVED
FRP	FIBER-REINFORCED POLYMER	TC	TOP OF CONCRETE
FS	FAR SIDE	TERM	TERMINATION
FTG	FOOTING	TF	TOP OF FOOTING
		THD	THREAD, THREADED
		THK	THICK, THICKNESS
GA	GAUGE	TM	TOP OF MASONRY
GALV	GALVANIZED	TOS	TOP OF SLAB
GB	GRADE BEAM	TS	TOP OF STEEL
GLB	GLUE-LAMINATED BEAM	TW	TOP OF WALL
GR	GRADE	TYP	TYPICAL
HD	HEADED	UNO	UNLESS NOTED OTHERWISE
HK	HOOK		
HORIZ	HORIZONTAL	VIF	VERIFY IN FIELD
HT	HEIGHT	VB	VERTICAL BRACE
		VT OR VERT	VERTICAL, VERTICALLY
ID	INSIDE DIAMETER		
INFO	INFORMATION	w/	WITH
INT	INTERIOR	WAS	WELDED ACHOR STUD
		WD	WOOD
JST	JOIST	WF	WIDE FLANGE
JT	JOINT	WWF	WELDED WIRE FABRIC
		WP	WORK POINT
KB	KNEE BRACE	W.P.	WATERPROOFING
LG	LONG		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		
LP	LOW POINT		

THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



ABS Consulting
AN ABS GROUP COMPANY
MO State Certificate of Authority
#2004000080
1701 City Plaza Drive
Spring, TX 77389
Phone (636) 875-0118
www.abs-group.com

LOGAN ARCHITECTS ATELIER
ARCHITECT & CULTURAL RESOURCES CONSULTANT
MO State Certificate of Authority
#A2025013352
1005 Nichols Street
Fulton, MO 65251
Phone (573) 310-8686
www.loganarchitectsatelier.com

MANN
Architectural Engineering, LLC
Certificate of Authority: E2010005597
1512 Polaris Drive
Ellisville, MO 63011
(636) 527-4641

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES

PERSHING BOYHOOD HOME SHS
FOUNDATION STABILIZATION
& REPAIR

LACLEDE, MISSOURI
PROJECT # X2520-01
FMDC SITE # 5112
FACILITY # (HOME) 7815112001
(ROOT CELLAR) 7815112010

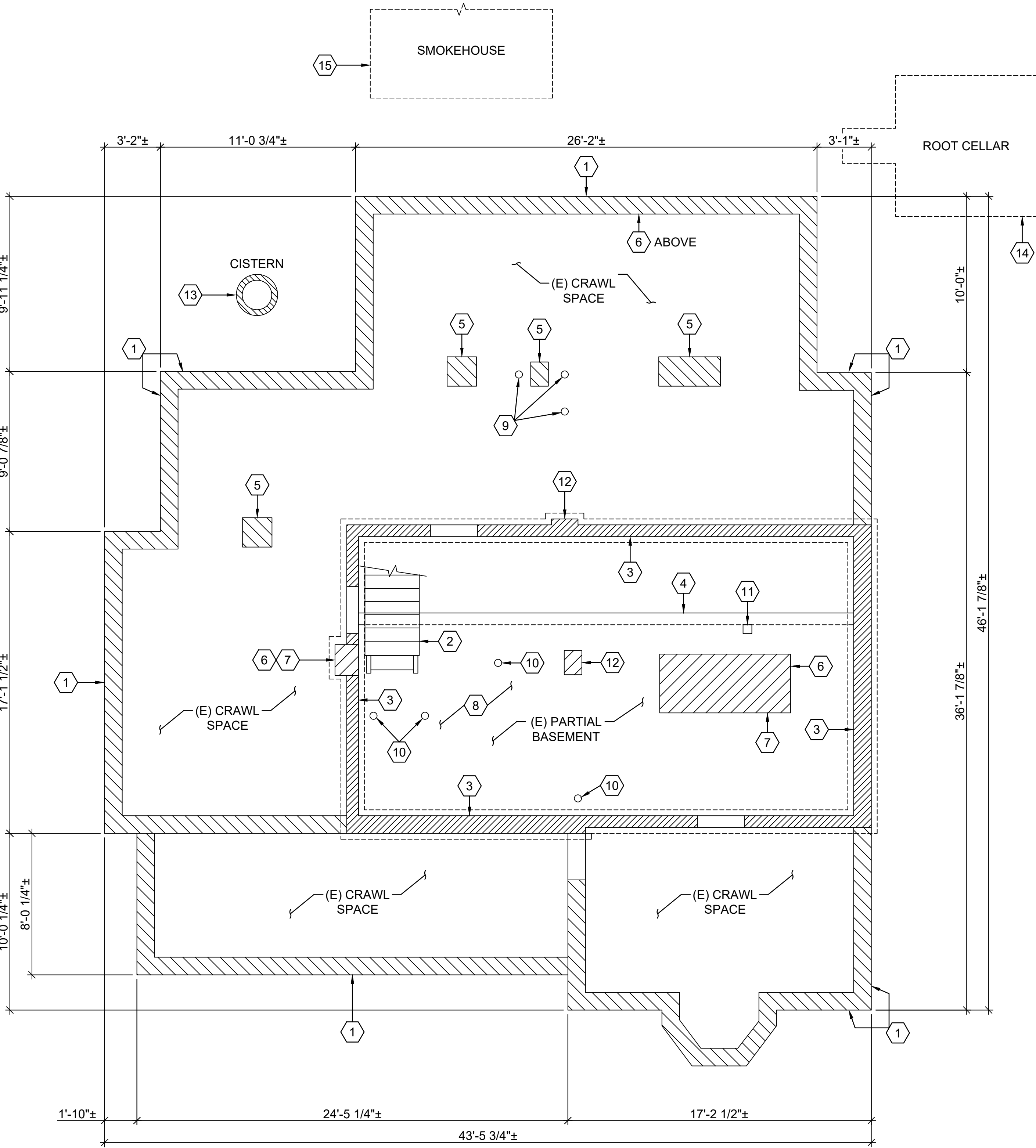
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/09/2025

CAD DWG FILE:S-002
DRAWN BY: CPG
CHECKED BY: JRS
DESIGNED BY: JRS

SHEET TITLE:
GENERAL
NOTES

SHEET NUMBER:
S-002
SHEET 05 OF 18

BID DOCUMENTS SUBMITTAL - 09/09/2025



FOUNDATION PLAN - EXISTING CONDITIONS
SCALE: 1/4"=1'-0"

PLAN NOTES:

1. THE CONTRACTOR SHALL PREPARE, SECURE AND ELEVATE THE FIRST AND SECOND STORIES OF THE TWO-STORY WOOD-FRAMED HISTORIC HOME VERTICALLY AND TEMPORARILY SECURE THE STRUCTURE TO ALLOW ACCESS FOR THE EXISTING CRAWL SPACE AND PARTIAL BASEMENT FOUNDATION WALLS AND FOOTINGS TO BE COMPLETELY DEMOLISHED/REMOVED AND THE NEW FULL BASEMENT AND PORCH CRAWLSPACE AREA TO BE CONSTRUCTED.
2. THE LIFTING SUBCONTRACTOR SHALL BE A QUALIFIED BUILDING MOVER AND SHALL SUBMIT QUALIFICATIONS TO THE OWNER AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH WORK. THE LIFTING SUBCONTRACTOR SHALL UTILIZE A UNIFIED HYDRAULIC JACKING SYSTEM TO UNIFORMLY RAISE THE STRUCTURE WITHOUT ANY SIGNIFICANT DAMAGE TO EXTERIOR OR INTERIOR EXISTING FINISHES.
3. SEE SPECIFICATION 024316 - STRUCTURAL RAISING FOR ADDITIONAL REQUIREMENTS FOR LIFTING/LOWERING OF THE STRUCTURE
4. FOR THE CONTRACTOR'S INFORMATION, THE EXISTING STRUCTURE IS DESCRIBED BELOW:
 - a. THE MAIN SECTION IS THE ORIGINAL HOME THAT WAS BUILT IN 1858 AND IS A TEE-SHAPED TWO-STORY WOOD FRAME STRUCTURE SUPPORTED ON A STONE MASONRY CRAWL SPACE FOUNDATION THAT WAS LATER ENLARGED TO FORM A PARTIAL BASEMENT SURROUNDED BY CMU FOUNDATION WALLS. THE BUILDING FRAME IS CONSTRUCTED PRIMARILY OF ROUGH SAWN PINE JOISTS AND HEADERS AND NATIVE OAK WALL STUDS. NOTE THAT THE ORIGINAL HOUSE FIRST FLOOR EXTERIOR WALLS REPORTEDLY INCLUDE BRICK INFILL BETWEEN THE WOOD STUDS EXTENDING ONLY TO THE SECOND FLOOR.
 - b. A SECOND SECTION IS A ZEE-SHAPED ONE-STORY ADDITION THAT WAS ADDED ALONG THE WEST SIDE OF THE ORIGINAL HOME SOMETIME PRIOR TO 1933. THE ADDITION IS ALSO SUPPORTED ON A STONE MASONRY CRAWL SPACE FOUNDATION. IT IS UNKNOWN IF THE EXTERIOR WALLS OF THE ADDITION CONTAIN BRICK INFILL BETWEEN THE WOOD STUDS.
 - c. A ONE-STORY COVERED PORCH IS LOCATED ALONG THE EAST SIDE OF THE HOME AND IS SUPPORTED ON A STONE MASONRY CRAWL SPACE FOUNDATION.
5. (X) - INDICATES KEY NOTE

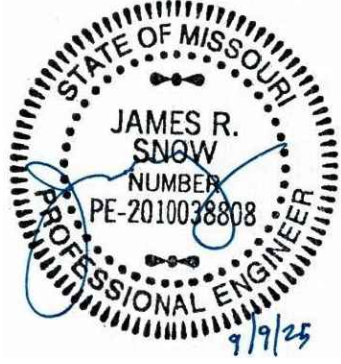
ALL UNDERGROUND UTILITY LOCATIONS
MUST BE FIELD VERIFIED BY CONTRACTOR
PRIOR TO ANY EXCAVATION WORK

EXISTING CONDITIONS FOUNDATION PLAN KEY NOTES:

1. EXISTING CRAWL SPACE STONE MASONRY FOUNDATION WALLS TO BE CAREFULLY DEMOLISHED AND REMOVED. SALVAGE ALL STONES FOR RE-USE IN RECREATING THE HISTORIC APPEARANCE OF THE STONE FOUNDATION AT TOP OF NEW CONCRETE FOUNDATION WALLS. SEE ARCH DRAWINGS FOR MORE INFORMATION. REMAINING STONES AND SURPLUS SATISFACTORY SOIL TO BE MOVED TO STATE-OWNED PROPERTY FOUR BLOCKS AWAY AT THE SOUTHEAST CORNER OF MYRTLE STREET AND AUSMUS STREET AS DIRECTED BY OWNER.
2. DEMOLISH AND REMOVE EXISTING WOOD STAIRS AND RAILINGS FROM EXISTING FIRST FLOOR TO PARTIAL BASEMENT.
3. DEMOLISH AND REMOVE EXISTING CMU WALL AND CONCRETE STRIP FOOTINGS AT PARTIAL BASEMENT AREA.
4. DEMOLISH AND REMOVE EXISTING CONCRETE SLAB ON GRADE AT PARTIAL BASEMENT AREA.
5. DEMOLISH AND REMOVE EXISTING CMU OR STONE MASONRY PIER IN CRAWLSPACE AREA.
6. FULLY SUPPORT THE THREE EXISTING FIREPLACES AND CHIMNEYS IN THE CRAWLSPACE/BASEMENT AREA AND LIFT THE EXISTING FIREPLACES AND CHIMNEYS ABOVE THE FIRST FLOOR WITH THE REST OF THE HOME STRUCTURE. PROVIDE TEMPORARY BRACING OF CHIMNEY EXTENSIONS, GABLE FINIALS, & LIGHTNING RODS ABOVE ROOF PRIOR TO LIFTING HOME.
7. DEMOLISH EXISTING FIREPLACE CMU OR BRICK FOUNDATIONS.
8. DISCONNECT AND REMOVE ALL EXISTING MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT AND UTILITIES IN THE CRAWLSPACES AND PARTIAL BASEMENT. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
9. DEMOLISH EXISTING JACK STAND SUPPORTS IN CRAWLSPACE. SALVAGE JACK STAND SUPPORTS AND PROVIDE TO OWNER.
10. DEMOLISH EXISTING STEEL SHORING POSTS IN PARTIAL BASEMENT. SALVAGE SHORING POSTS AND PROVIDE TO OWNER.
11. DEMOLISH AND REMOVE TIMBER SHORING POST IN PARTIAL BASEMENT AFTER EXISTING CUT JOIST IS SUPPORTED OR REPAIRED.
12. DEMOLISH AND REMOVE BRICK PIER IN PARTIAL BASEMENT.
13. CAREFULLY DEMOLISH THE EXISTING CISTERN STRUCTURE AT THE SOUTHWEST CORNER OF THE HOME. ONLY SALVAGE THE TOP SECTION OF THE CISTERN BRICK STRUCTURE FOR RECONSTRUCTION TO MAINTAIN ITS HISTORIC LOCATION. SEE ARCH DRAWINGS FOR ADDITIONAL INFORMATION. THE EXISTING DEPTH OF THE CISTERN IS UNKNOWN. IF CONTRACTOR IS UNABLE TO REMOVE THE ENTIRE CISTERN DUE TO THE DEPTH BEING GREATER THAN THE REQUIRED EXCAVATIONS TO INSTALL THE NEW FOUNDATION, THEN THE REMAINING PORTION SHALL BE INFILLED. REMOVE ALL EXISTING SAND OR FILL. PERFORATE BOTTOM TO ALLOW DRAINAGE PRIOR TO BACKFILLING. BACKFILL WITH APPROVED COMPACTED SOIL AS PER GEOTECHNICAL REPORT AND SPECIFICATIONS.
14. IN ORDER TO PROVIDE ACCESS FOR EXCAVATION OF THE SITE FOR THE NEW FULL BASEMENT CONCRETE FOUNDATION WALLS, THE CONTRACTOR SHALL CAREFULLY DISASSEMBLE THE ENTIRE UNDERGROUND ROOT CELLAR AT THE NORTHWEST CORNER OF THE HOME IN ORDER TO BE ABLE TO RECONSTRUCT THE ROOT CELLAR IN THE CURRENT HISTORIC LOCATION WITH HISTORICALLY COMPATIBLE MORTAR. SEE ARCH DRAWINGS FOR ADDITIONAL INFORMATION.
15. NO CONSTRUCTION WORK IS ASSOCIATED WITH THE SMOKEHOUSE BUT ITS HISTORIC INTEGRITY MUST BE MAINTAINED. THE CONTRACTOR SHALL PROVIDE CONTRACTOR-DESIGNED TEMPORARY BRACING AND STABILIZATION OF THE ADJACENT SMOKEHOUSE STRUCTURE TO PROTECT IT FROM DAMAGE OR MOVEMENT DURING ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR'S TEMPORARY BRACING MAY BE PLACED ON THE INSIDE OR OUTSIDE OF THE SMOKEHOUSE STRUCTURE BUT SHALL LEAVE NO PERMANENT DAMAGE OR VISIBLE MARKINGS ON THE STRUCTURE AFTER THE BRACING IS REMOVED. THE CONTRACTOR MUST TAKE ALL PRECAUTIONS TO ASSURE THAT THE SMOKEHOUSE FOUNDATIONS ARE NOT UNDERMINED DURING EXCAVATION ACTIVITIES ASSOCIATED WITH THE HOME'S NEW CONCRETE FOUNDATION OR EXISTING CISTERN REMOVAL.

THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



ABS Consulting

AN ABS GROUP COMPANY
MO State Certificate of Authority
#2004000080
1701 City Plaza Drive
Spring, TX 77389
Phone (636) 875-0118
www.abs-group.com

LOGAN ARCHITECTS ATELIER
ARCHITECTURAL & HISTORICAL DESIGN STUDIO
ARCHITECT & CULTURAL RESOURCES CONSULTANT
MO State Certificate of Authority
#A2025013352
1035 Nichols Street
Fulton, MO 65251
Phone (573) 310-8686
www.loganarchitectsatelier.com

MANN

Architectural Engineering, LLC
Certificate of Authority: E2010005597
1512 Polaris Drive
Ellisville, MO 63011
(636) 527-4641

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES

PERSHING BOYHOOD HOME SHS
FOUNDATION STABILIZATION
& REPAIR

LACLEDE, MISSOURI

PROJECT # X2520-01
FMDC SITE # 5112
FACILITY # (HOME) 7815112001
(ROOT CELLAR) 7815112010

REVISION: _____

DATE: _____

REVISION: _____

DATE: _____

REVISION: _____

DATE: _____

ISSUE DATE: 09/09/2025

CAD DWG FILE:S-101

DRAWN BY: CPG

CHECKED BY: JRS

DESIGNED BY: JRS

SHEET TITLE:

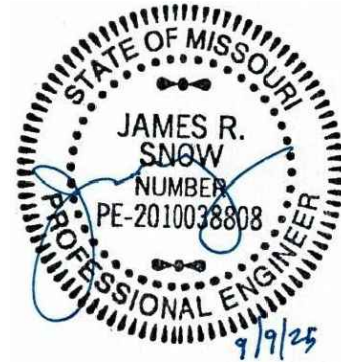
EXISTING
FOUNDATION
PLAN

SHEET NUMBER:

S-101

SHEET 06 OF 18

BID DOCUMENTS SUBMITTAL - 09/09/2025



ABS Consulting

AN ABS GROUP COMPANY
MO State Certificate of Authority
#2004000080
1701 City Plaza Drive
Spring, TX 77389
Phone (636) 875-0118
www.abs-group.com



MANN

Architectural Engineering, LLC
Certificate of Authority: E2010005597
1512 Polaris Drive
Ellisville, MO 63011
(636) 527-4641

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES

PERSHING BOYHOOD HOME SHS
FOUNDATION STABILIZATION
& REPAIR

LACLEDE, MISSOURI

PROJECT # X2520-01

FMDC SITE # 5112

FACILITY # (HOME) 7815112001

(ROOT CELLAR) 7815112010

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/09/2025

CAD DWG FILE: S-102
DRAWN BY: CPG
CHECKED BY: JRS
DESIGNED BY: JRS

SHEET TITLE:

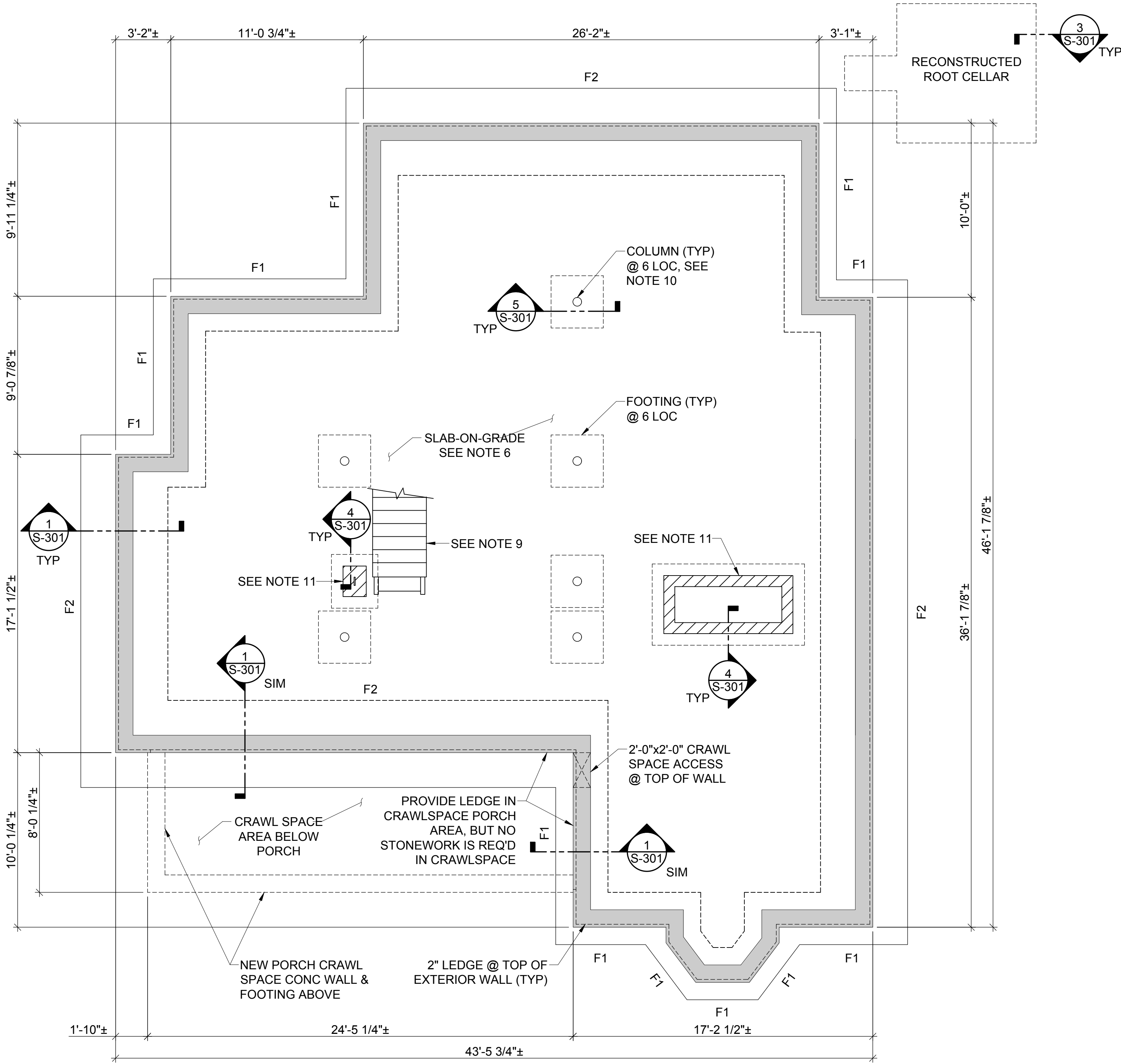
NEW
FOUNDATION
PLAN

SHEET NUMBER:

S-102

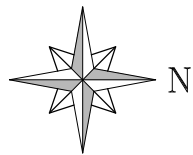
SHEET 07 OF 18

BID DOCUMENTS SUBMITTAL - 09/09/2025



FOUNDATION PLAN - NEW
SCALE: 1/4"=1'-0"

0 2' 4' 8'
SCALE: 1/4" = 1'-0"



FOOTING SCHEDULE			
MARK	WIDTH	LONGITUDINAL BARS	TRANSVERSE BARS
F1	3'-0"	(3) #5 BOT	#4 @ 12" T&B
F2	5'-0"	(5) #5 BOT	#4 @ 12" T&B

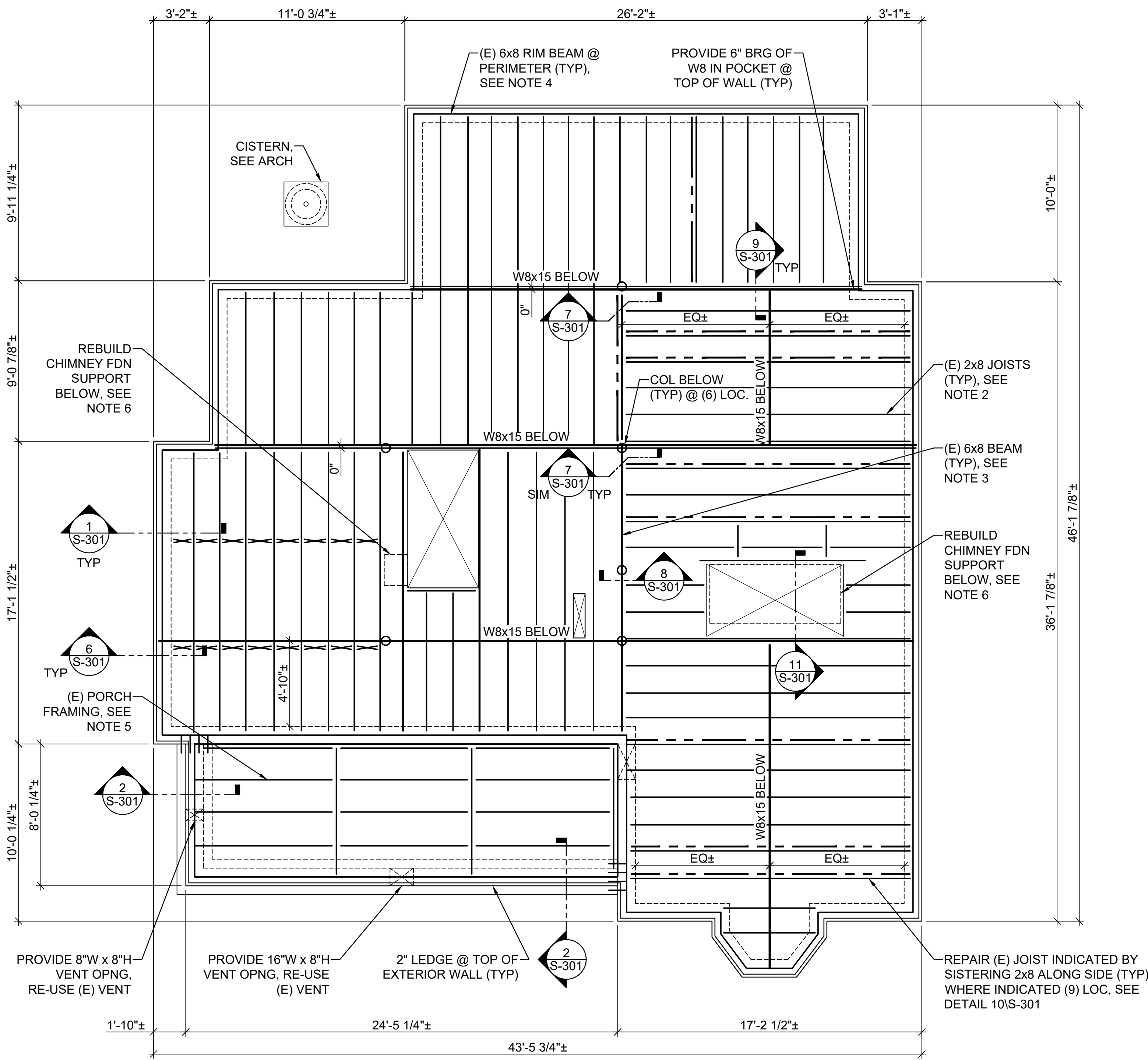
NEW FOUNDATION PLAN NOTES:

1. TOP OF BASEMENT SLAB ON GRADE ELEVATION = -8'-4" BELOW THE RAISED FIRST FINISHED FLOOR ELEVATION. THE RAISED FIRST FLOOR ELEVATION SHALL BE LOCATED AT +0'-6" ABOVE THE CURRENT FIRST FLOOR ELEVATION.
2. CONTRACTOR SHALL EXCAVATE UNDER ELEVATED HOME TO ALLOW FOR NEW FOUNDATION CONSTRUCTION. EXCAVATE EXTRA WIDTH AROUND PERIMETER TO ALLOW FOR FOOTING INSTALLATION, WALL CONCRETE FORM PLACEMENT/REMOVAL AS REQUIRED.
3. THE SITE HAS GEOTECHNICAL SOIL CONDITIONS THAT REQUIRE DETAILED REVIEW BY A QUALIFIED GEOTECHNICAL ENGINEER DURING EXCAVATION AND CONSTRUCTION. SEE GENERAL NOTES SECTION 2.0 FOR REVIEW REQUIREMENTS. CONTRACTOR SHALL SUBCONTRACT WITH A QUALIFIED GEOTECHNICAL ENGINEER TO PERFORM REQUIRED GEOTECHNICAL SUBGRADE AND BACKFILL REVIEWS.
4. DAMPPROOF BELOW GRADE PORTION OF NEW PERIMETER FOUNDATION WALL PRIOR TO BACKFILLING. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.
5. ONCE NEW FOUNDATION WALLS HAVE CURED, LIFTING SUBCONTRACTOR SHALL LOWER THE HOME STRUCTURE ONTO NEW FOUNDATION AND INTERIOR STEEL SUPPORTS. CONTRACTOR SHALL SHIM UNDER ALL EXISTING FIRST FLOOR BEAM AND JOIST SUPPORTS AS REQUIRED TO PROVIDE FULL BEARING OF EXISTING MEMBERS ON NEW PERIMETER AND INTERIOR SUPPORTS.
6. SLAB ON GRADE SHALL BE 4" CONCRETE SLAB ON 10 MIL THICK POLYETHYLENE VAPOR BARRIER ON 6" COMPACTED FREE-DRAINING CRUSHED ROCK CAPILLARY BREAK. REINFORCE SLAB WITH 4"x4"-W2.9XW2.9 WWF.
7. PROVIDE 1/2" WIDE JOINT FILLER STRIPS BETWEEN EDGE OF SLAB ON GRADE AND ALL WALLS AND INTERIOR COLUMNS/SUPPORTS TO ACCOMMODATE VERTICAL SLAB MOVEMENTS DUE TO MINOR VOLUME CHANGES IN THE SUBGRADE.
8. SLAB ON GRADE CONTROL JOINTS SHALL BE LOCATED PER REQUIREMENTS INDICATED IN THE GENERAL NOTES.
9. RECONSTRUCT WOOD STAIRS AND HAND RAILING FROM EXISTING FIRST FLOOR DOWN TO NEW BASEMENT SLAB. STAIRS AND RAILINGS SHALL MATCH EXISTING CONDITIONS TO MAXIMIZE HEAD ROOM CLEARANCES WHILE STILL MAINTAINING REASONABLE AND UNIFORM TREAD AND RISER DIMENSIONS.
10. COLUMNS SHALL BE 3" MINIMUM DIAMETER ADJUSTABLE LENGTH STEEL COLUMNS w/ MINIMUM ALLOWABLE STRENGTH CAPACITY OF 15 kips FOR 8'-0" LONG LENGTH, MANUFACTURED BY AKRON PRODUCTS (akronproducts.com) OR EQUIVALENT
11. REBUILD 8" THICK CMU FOUNDATION WALLS FULL HEIGHT OF NEW BASEMENT TO FULLY SUPPORT EXISTING FIREPLACE/CHIMNEY ABOVE, SHIM & GROUT SOLID @ TOP

POTENTIAL ARCHAEOLOGICAL MATERIALS DISCOVERY NOTES:

1. SINCE THE SITE IS AN HISTORIC LANDMARK, THERE IS A REMOTE POTENTIAL FOR AN UNANTICIPATED DISCOVERY OF ARCHAEOLOGICAL MATERIALS BEING UNCOVERED DURING EXCAVATION.
2. THE MISSOURI STATE PARKS' CULTURAL RESOURCE MANAGEMENT PROGRAM HAS DONE SOME PAST ARCHAEOLOGICAL INVESTIGATION AT THE SITE AND IS FAMILIAR WITH THE ARCHAEOLOGY OF THE SITE. THEY DO NOT ANTICIPATE ANY SIGNIFICANT FINDINGS AT THE SITE. THE CONTRACTOR WILL NOT NEED TO SECURE THE SERVICES OF AN ARCHAEOLOGICAL CONSULTANT. ALL ARCHAEOLOGICAL OBJECTS DISCOVERED BELONG TO THE OWNER.
3. THE CULTURAL RESOURCE MANAGEMENT PROGRAM IS PLANNING TO HAVE THE STATE ARCHAEOLOGIST ON SITE DURING THE HOUSE LIFTING AND PART OF THE EXCAVATION. CONTRACTOR SHALL GIVE THE OWNER A MINIMUM OF FIVE (5) WORKING DAYS NOTICE PRIOR TO LIFTING AND EXCAVATION OPERATIONS FOR STATE ARCHAEOLOGIST TO BE ON SITE. THEY WOULD LIKE TO BE ON SITE AS THE CONTRACTOR EXCAVATES AT LEAST THREE FEET OF SOIL UNDER THE STRUCTURE. THEY ARE NOT PLANNING TO PERFORM ANY SHOVEL TESTING OR SIFTING BUT WOULD LIKE TO COORDINATE WITH THE EXCAVATION CONTRACTOR THAT IF ANY ARTIFACTS ARE DISCOVERED, OPERATIONS COULD BRIEFLY CEASE LONG ENOUGH TO ALLOW THE ARCHAEOLOGIST TO QUICKLY PHOTO DOCUMENT THE FIND, THEN EXCAVATION COULD CONTINUE. THE ARCHAEOLOGIST DOES NOT PLAN TO BE ON SITE DURING THE ENTIRE EXCAVATION PROCESS. THEY WILL MAKE A DETERMINATION, AT THE TIME, OF HOW LONG THEY WILL NEED TO OBSERVE THE EXCAVATION.
4. THE ONLY SCENARIO THAT COULD "STOP THE WORK" WOULD BE IF HUMAN REMAINS ARE DISCOVERED. IF THIS OCCURS STATE AND FEDERAL LAWS TAKE AFFECT AND WORK MUST CEASE TO PREVENT FURTHER DISTURBANCE.
5. SEE SPECIFICATION 022114 - ARCHAEOLOGICAL AND HISTORICAL SITE INVESTIGATION FOR ADDITIONAL INFORMATION AND PROCEDURAL INSTRUCTIONS TO FOLLOW IN THE EVENT OF A SIGNIFICANT UNANTICIPATED DISCOVERY OF ARCHAEOLOGICAL MATERIALS OR HUMAN REMAINS.

THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.

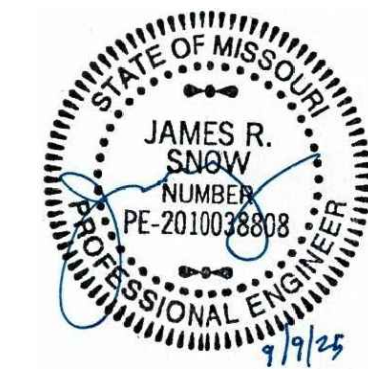


FIRST FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"

FIRST FLOOR FRAMING PLAN NOTES:

- EXISTING FIRST FLOOR FRAMING LAYOUT DEVELOPED BASED ON LIMITED CRAWL SPACE ACCESS FIELD OBSERVATIONS ONLY. STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR DIFFERENT CONDITIONS DISCOVERED DURING CONSTRUCTION. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS BEFORE LIFTING BUILDING AND FABRICATION OF ANY NEW SUPPORT ELEMENTS.
- TYPICAL EXISTING JOISTS ARE ROUGH SAWN 2x8 OR 2x8 1/2", UNLESS NOTED OTHERWISE. JOISTS ARE SPACED AT APPROXIMATELY 18" O.C. AND ARE NOTCHED AT BEAM SUPPORTS
- TYPICAL EXISTING BEAMS SUPPORTING JOISTS ARE ROUGH SAWN 6X8 TIMBERS.
- THE PERIMETER OF THE BUILDING APPEARS TO HAVE A ROUGH SAWN 6X8 RIM BEAM THAT IS SITTING ON THE EXISTING STONE FOUNDATION. ALL PERIMETER LOCATIONS WERE NOT ABLE TO BE OBSERVED. CONTRACTOR SHALL VERIFY PERIMETER CONDITIONS AND DETERMINE IF THE CONNECTION OF EXISTING FIRST FLOOR TO NEW CONCRETE WALL FOUNDATION SHOWN IN SECTIONS 1 & 2/S-301 ARE APPROPRIATE FOR CONDITIONS. CONTRACTOR SHALL REQUEST ADDITIONAL DIRECTION FROM THE ENGINEER IF DIFFERENT CONDITIONS ARE PRESENT.
- TYPICAL EXISTING JOISTS AT PORCH FRAMING ARE NOMINAL DIMENSIONED 2x10 AT APPROXIMATELY 24" O.C. THESE JOISTS ARE SUPPORTED BY DOUBLE 2x8 BEAMS.
- CONFIGURATION OF FIRST FLOOR WOOD FRAMING OVER THE EXISTING CHIMNEY FOUNDATION IS UNKNOWN. CONTRACTOR SHALL REBUILD THE CHIMNEY FOUNDATION SUPPORTS TO FULLY SUPPORT THE EXISTING BRICK MASONRY CHIMNEYS ABOVE.
- THE EXISTING FIRST FLOOR FRAMING FIELD INVESTIGATION NOTED VARIOUS WOOD CONDITION CONCERNS SUCH AS HORIZONTAL SPLITS AND TERMITE DAMAGE. REPAIR OF NOTED CONCERNS ARE SHOWN TO BE REPAIRED AS PART OF PROJECT. ONCE HOME HAS BEEN ELEVATED, CONTRACTOR SHALL PERFORM A DETAILED SURVEY OF ALL FIRST FLOOR FRAMING MEMBERS AND PROVIDE CONDITION SUMMARY TO THE OWNER AND ENGINEER WITH RECOMMENDED REPAIRS. DO NOT PERFORM ADDITIONAL REPAIRS BEYOND WHAT IS SHOWN ON THE DRAWINGS UNTIL AUTHORIZED BY THE OWNER.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



ABS Consulting

AN ABS GROUP COMPANY
MO State Certificate of Authority
#2004000080
1701 City Plaza Drive
Spring, TX 77389
Phone (636) 875-0118
www.abs-group.com

LOGAN ARCHITECTS ATELIER
ARCHITECT & HISTORICAL DESIGN STUDIO
ARCHITECT & CULTURAL RESOURCES CONSULTANT
MO State Certificate of Authority
#A2025013352
1035 Nichols Street
Fulton, MO 65251
Phone (573) 310-8686
www.loganarchitectsatelier.com

MANN

Architectural Engineering, LLC
Certificate of Authority: E2010005597
1512 Polaris Drive
Ellisville, MO 63011
(636) 527-4641

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES

PERSHING BOYHOOD HOME SHS
FOUNDATION STABILIZATION
& REPAIR

LACLEDE, MISSOURI

PROJECT # X2520-01
FMDC SITE # 5112
FACILITY # (HOME) 7815112001
(ROOT CELLAR) 7815112010

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/09/2025

CAD DWG FILE:S-103
DRAWN BY: CPG
CHECKED BY: JRS
DESIGNED BY: JRS

SHEET TITLE:

FIRST FLOOR
FRAMING
PLAN

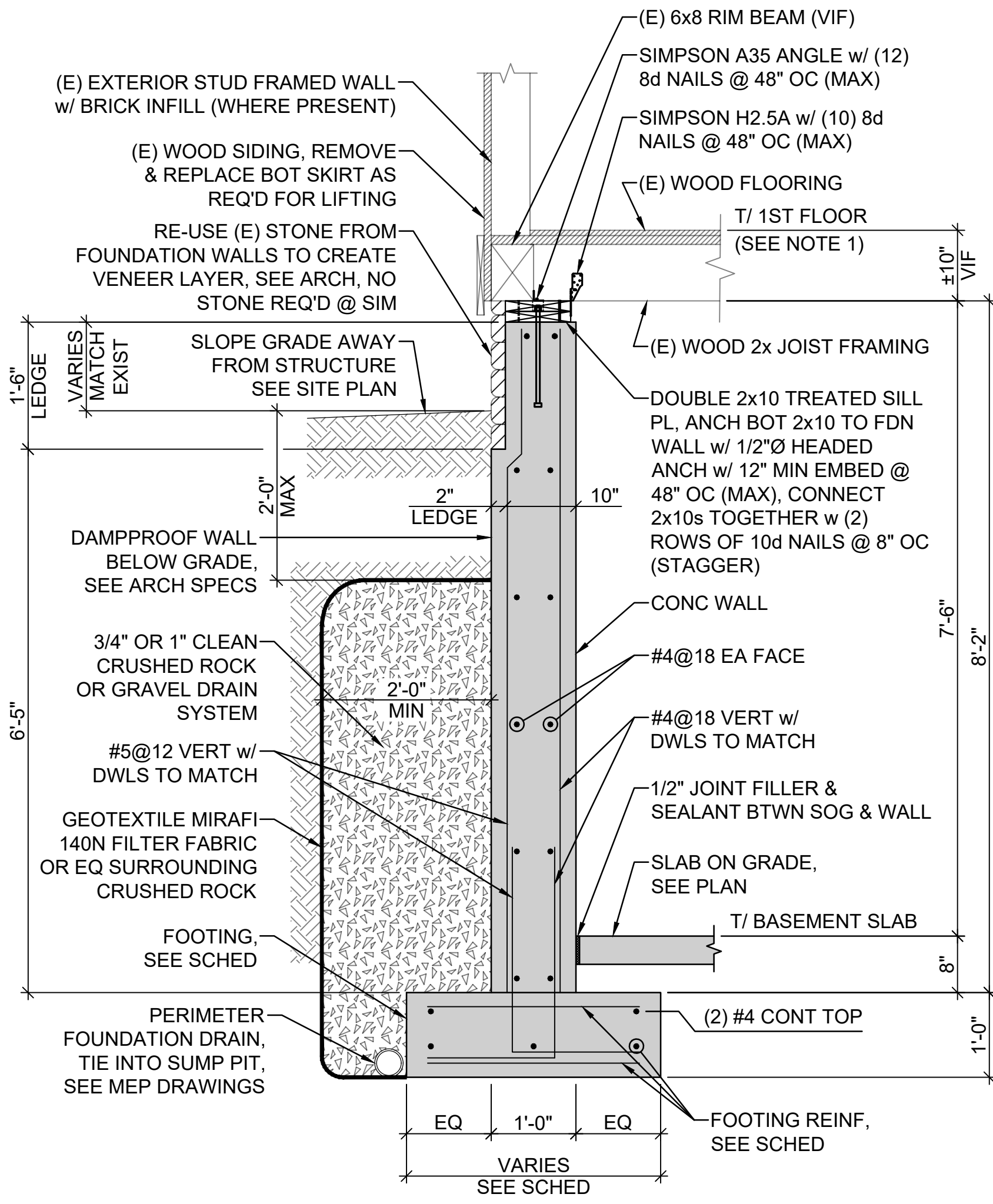
SHEET NUMBER:

S-103

SHEET 08 OF 18

BID DOCUMENTS SUBMITTAL - 09/09/2025

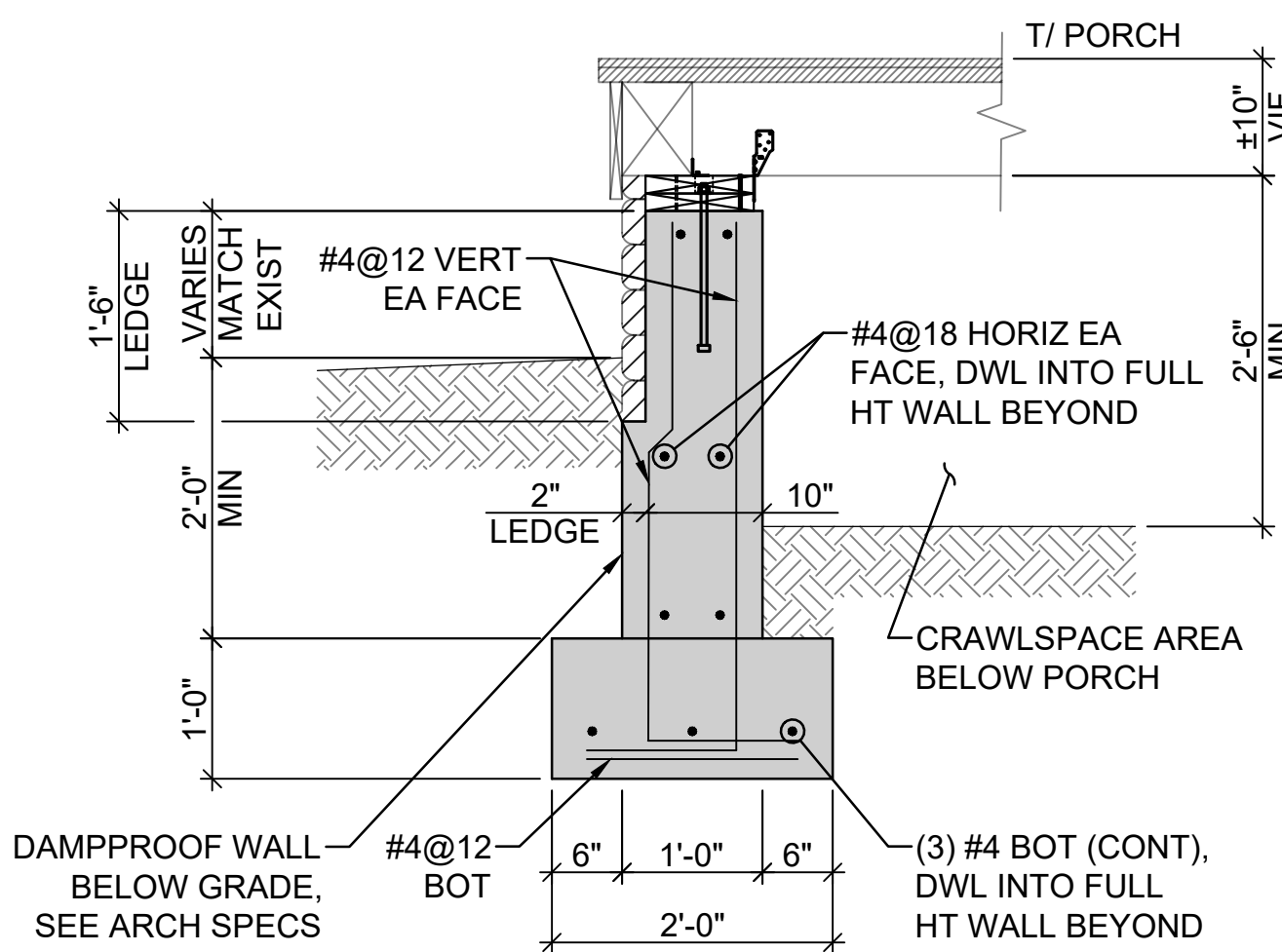
THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.



NOTE:
NEW TOP OF FIRST FLOOR ELEVATION SHALL BE LOCATED @ +0'-6" HIGHER THAN EXISTING FIRST FLOOR ELEVATION TO ALLOW FOR IMPROVED GRADE SLOPE AROUND PERIMETER OF HOME

SECTION
SCALE: 3/4"=1'-0"

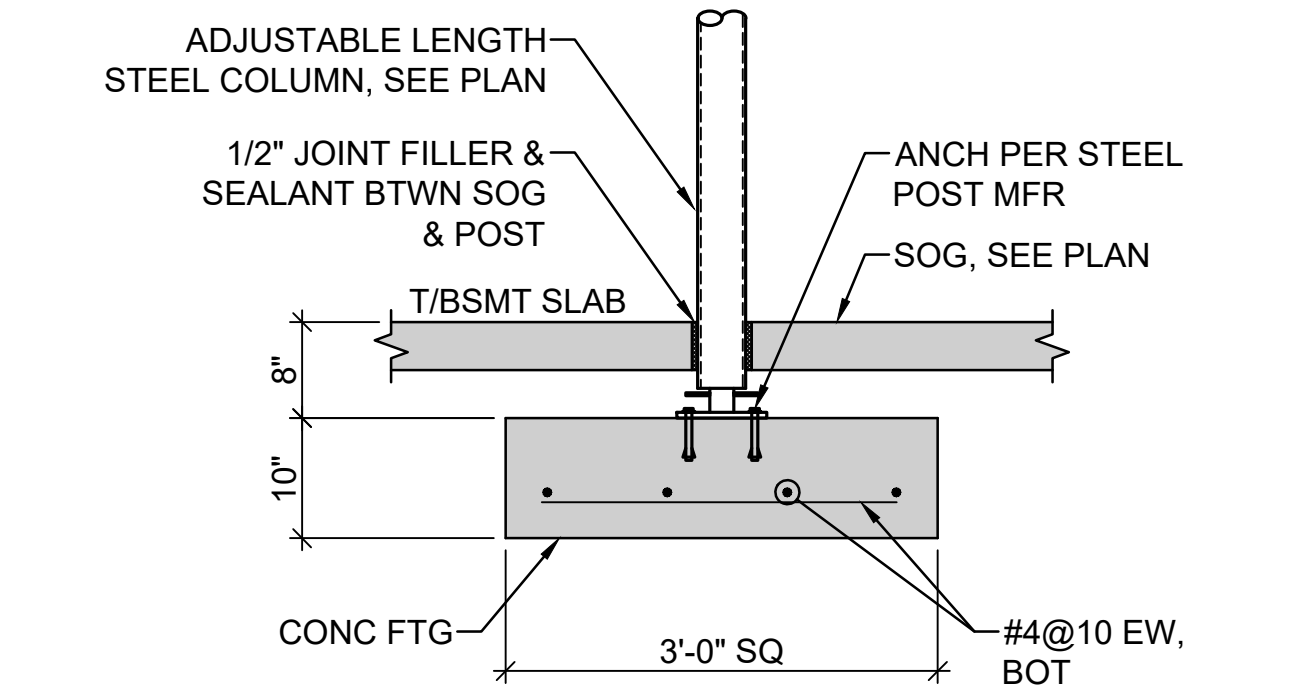
1
S-301



NOTE:
SEE SECTION 1/S-301 FOR REMAINDER OF INFO

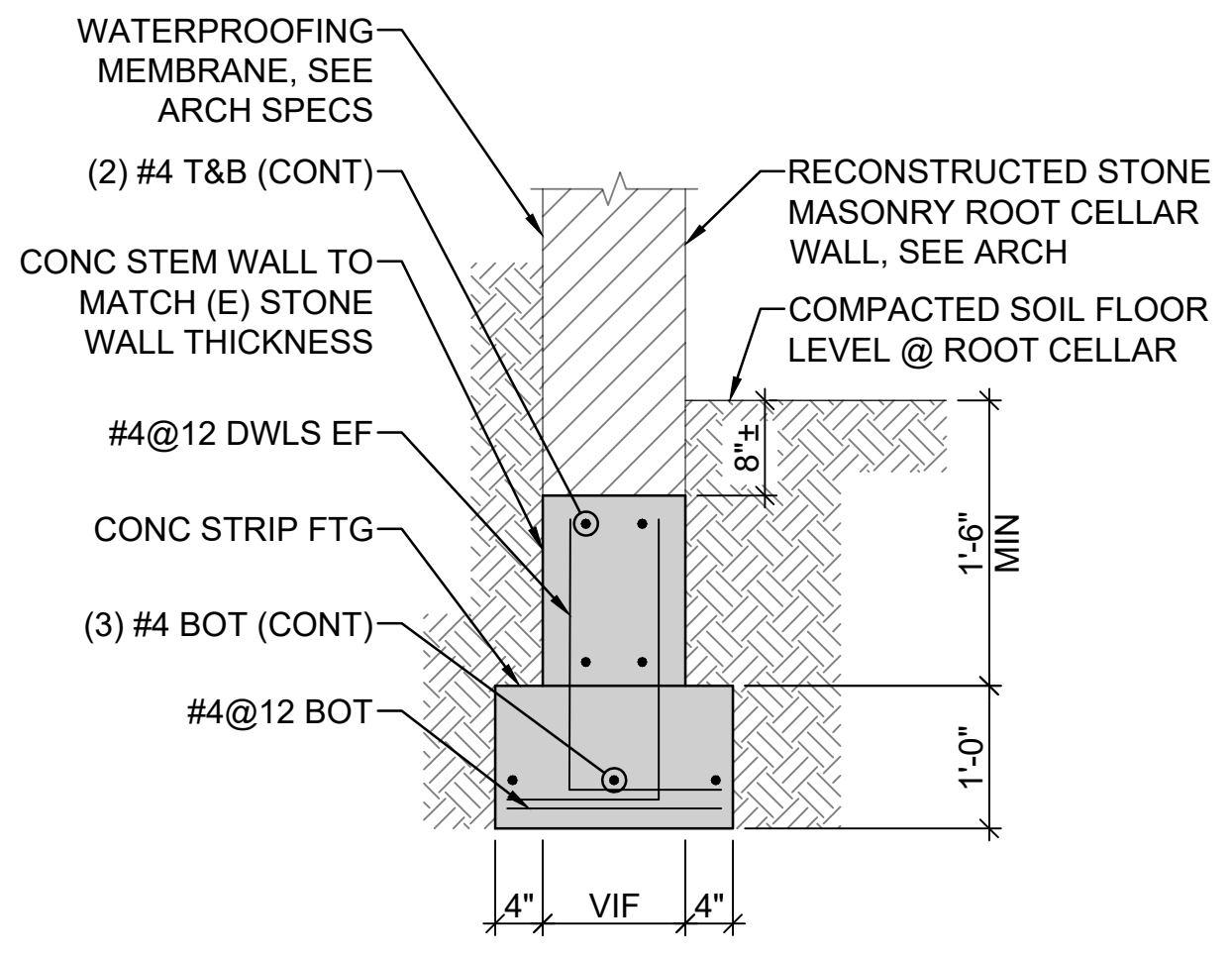
SECTION
SCALE: 3/4"=1'-0"

2
S-301



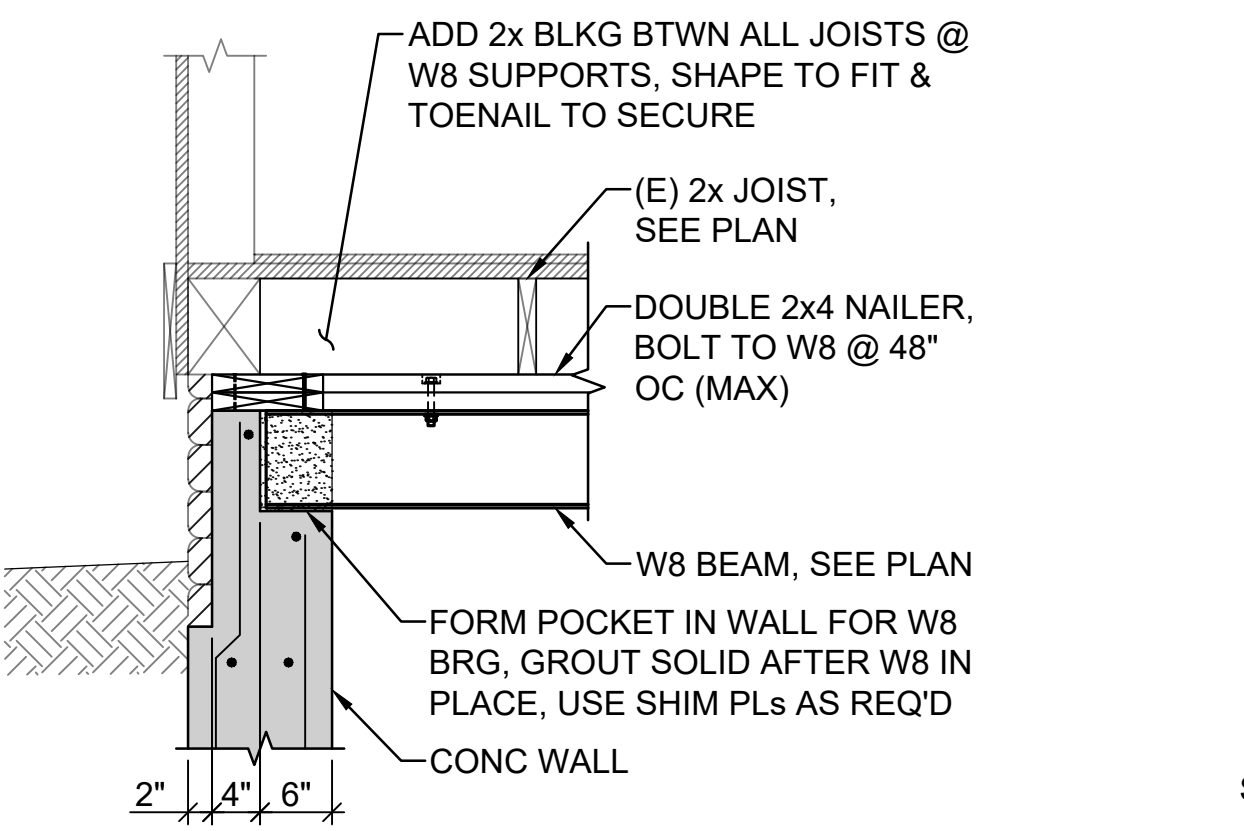
SECTION
SCALE: 3/4"=1'-0"

3
S-301



SECTION
SCALE: 3/4"=1'-0"

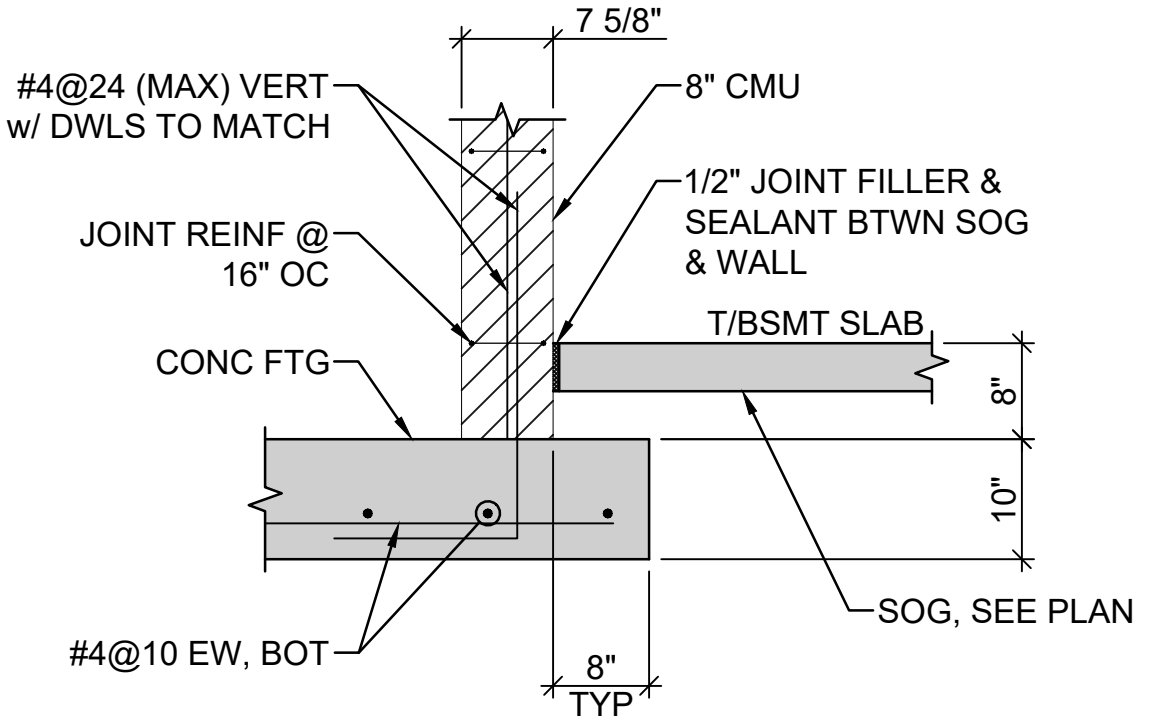
4
S-301



NOTES:
1. OMIT BLOCKING IN LOCATIONS WHERE W8 IS DIRECTLY BELOW (E) BEAM
2. SHIM AT OR NOTCH DOUBLE 2x4 AS REQUIRED BELOW (E) MEMBERS FOR FULL BEARING ON W8

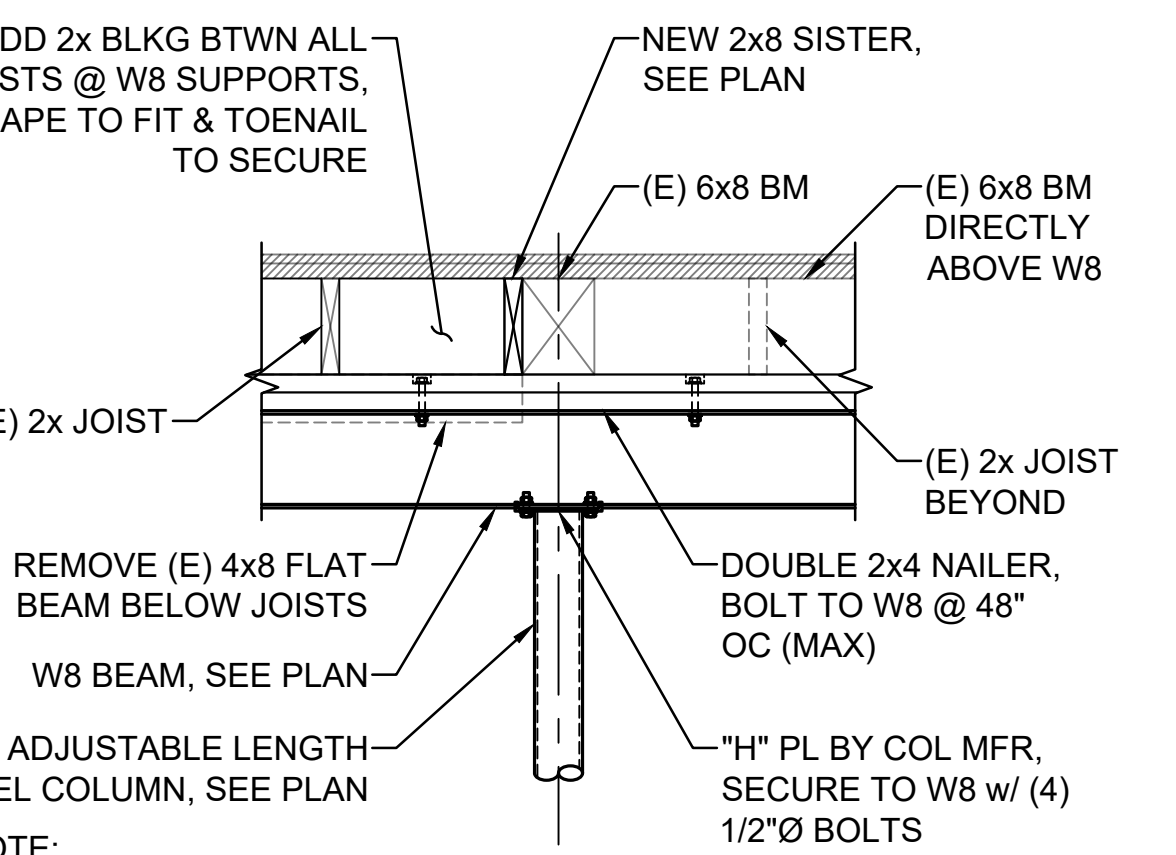
SECTION
SCALE: 3/4"=1'-0"

5
S-301



SECTION
SCALE: 3/4"=1'-0"

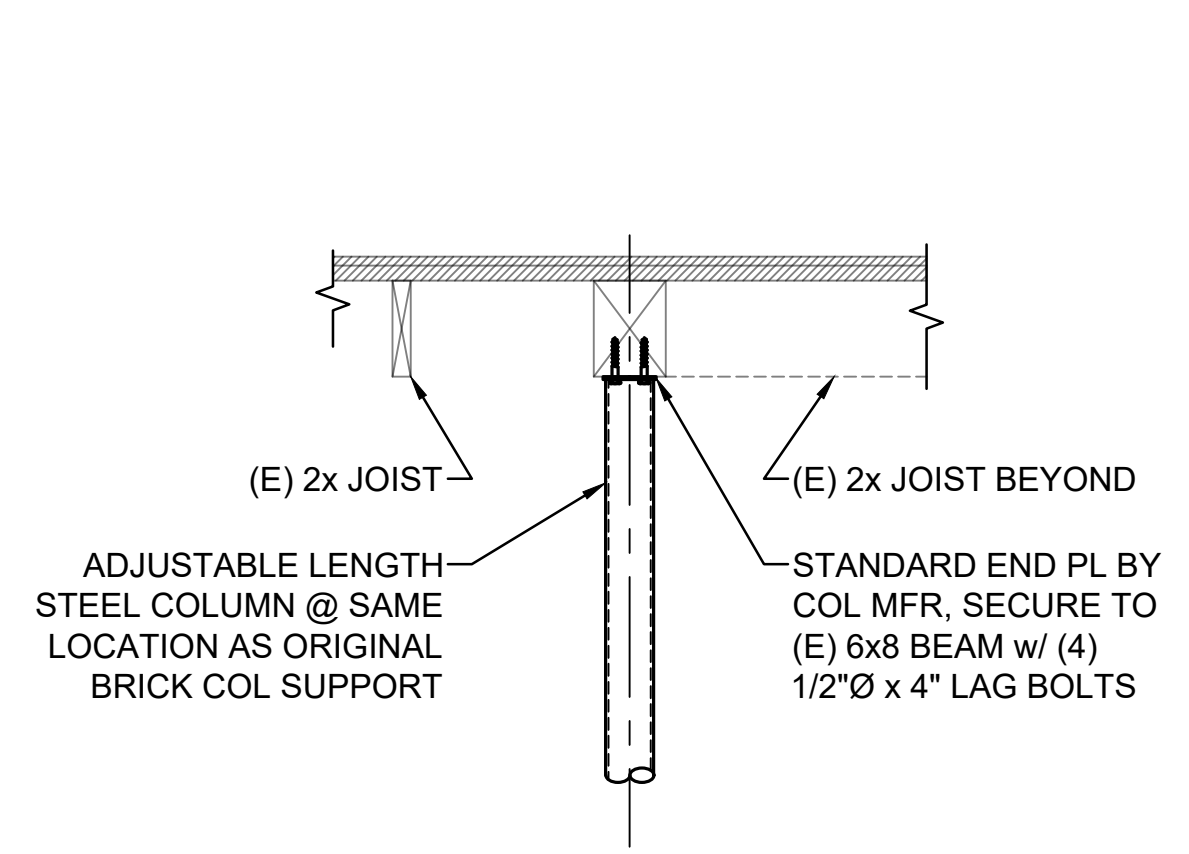
6
S-301



NOTE:
SHIM AT OR NOTCH DOUBLE 2x4 AS REQUIRED BELOW (E) MEMBERS FOR FULL BEARING ON W8

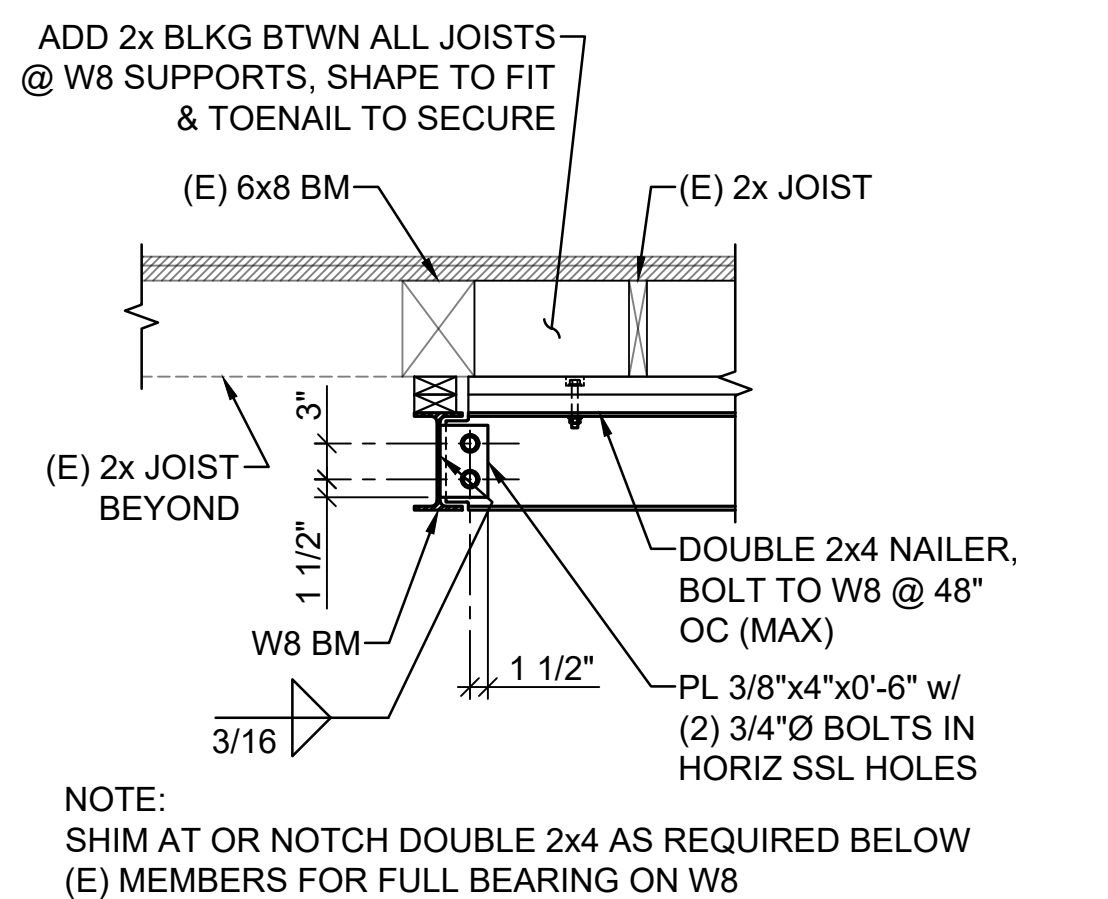
SECTION
SCALE: 3/4"=1'-0"

7
S-301



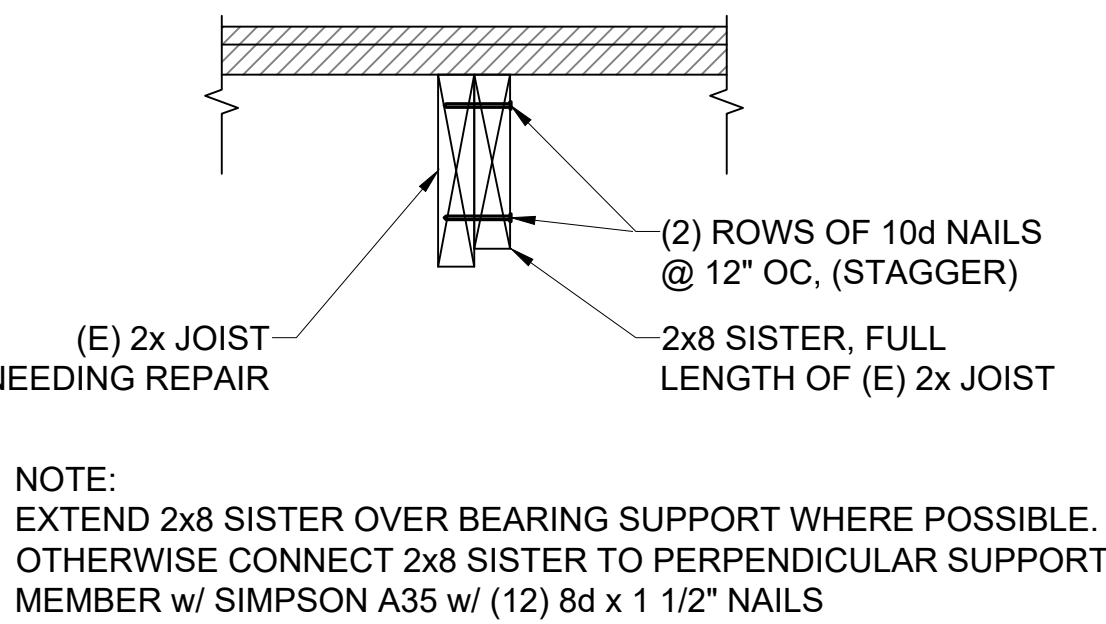
SECTION
SCALE: 3/4"=1'-0"

8
S-301



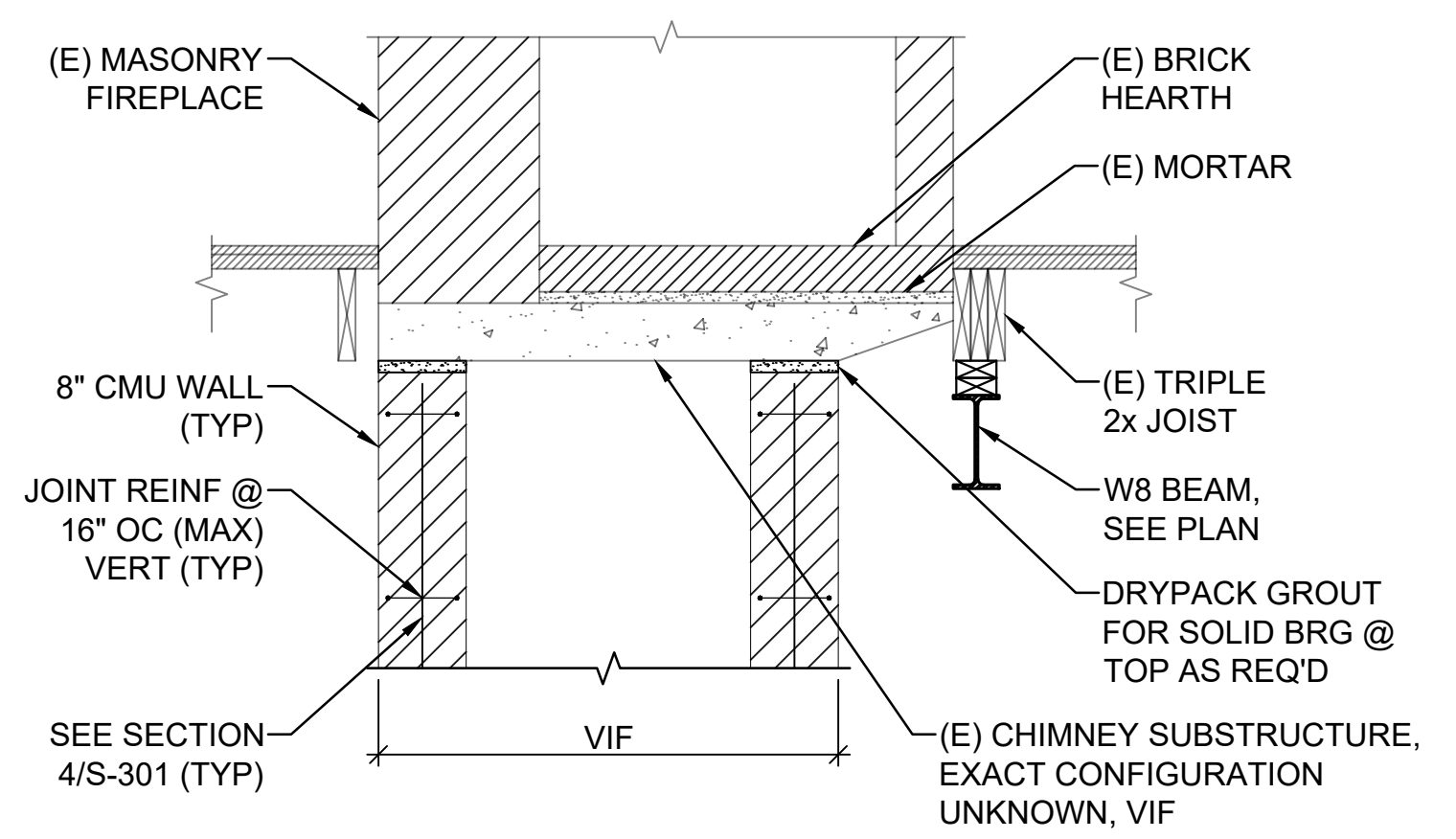
SECTION
SCALE: 3/4"=1'-0"

9
S-301



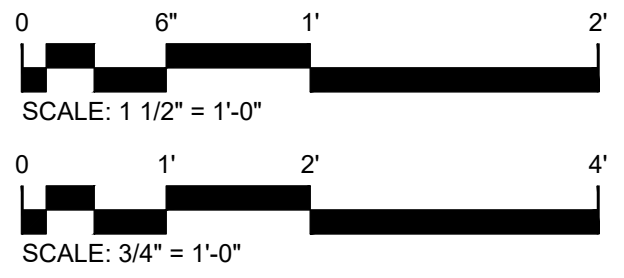
SECTION
SCALE: 1 1/2"=1'-0"

10
S-301



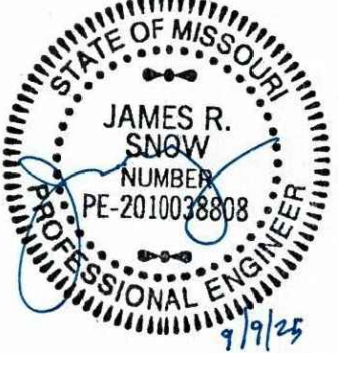
SECTION
SCALE: 3/4"=1'-0"

11
S-301



THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



ABS Consulting

AN ABS GROUP COMPANY
MO State Certificate of Authority
#2004000080
1701 City Plaza Drive
Spring, TX 77389
Phone (636) 875-0118
www.abs-group.com

LOGAN ARCHITECTS ATELIER
ARCHITECT & CULTURAL RESOURCES CONSULTANT
MO State Certificate of Authority: E2010005597
#A2025013352
1035 Nichols Street
Fulton, MO 65251
Phone (573) 310-8686
www.loganarchitectsatelier.com

MANN

Architectural Engineering, LLC
Certificate of Authority: E2010005597
1512 Polaris Drive
Ellisville, MO 63011
(636) 527-4641

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES

PERSHING BOYHOOD HOME SHS
FOUNDATION STABILIZATION
& REPAIR

LACLEDE, MISSOURI

PROJECT # X2520-01
FMDC SITE # 5112
FACILITY # (HOME) 7815112001
(ROOT CELLAR) 7815112010

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/09/2025

CAD DWG FILE: S-301
DRAWN BY: CPG
CHECKED BY: JRS
DESIGNED BY: JRS

SHEET TITLE:

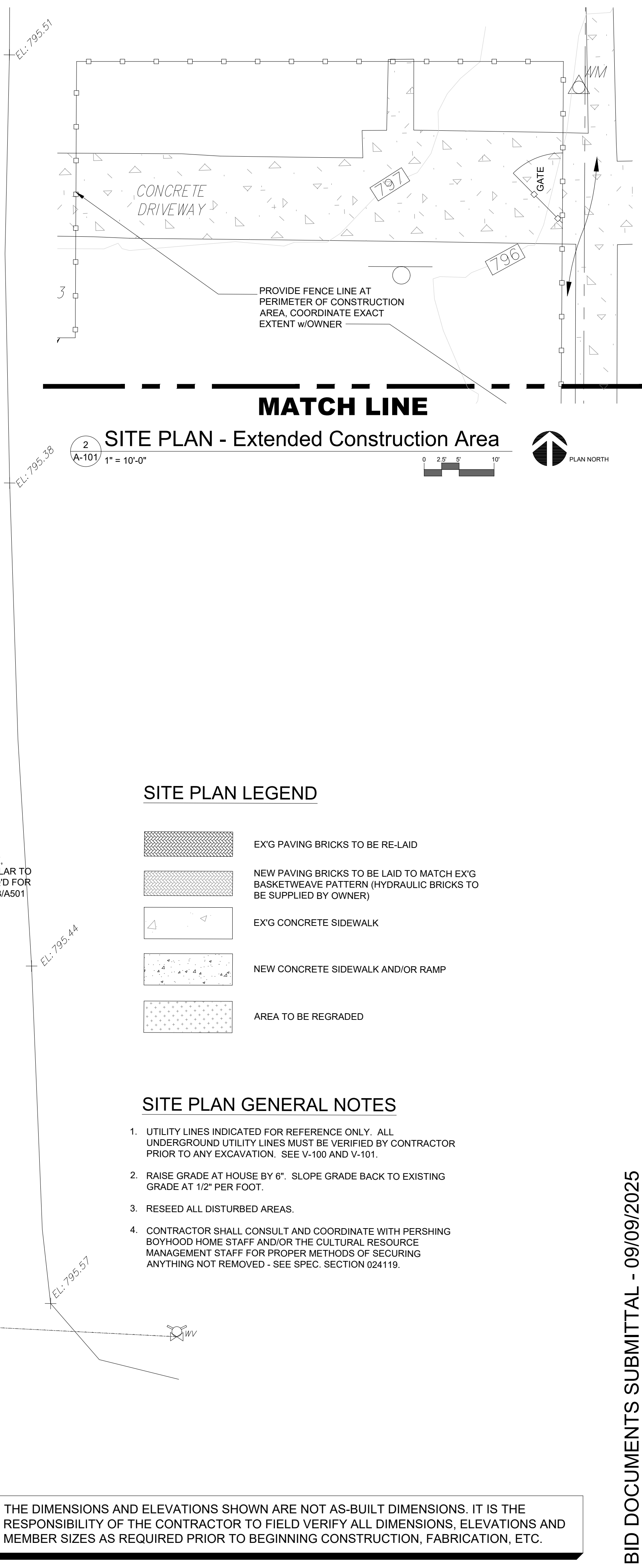
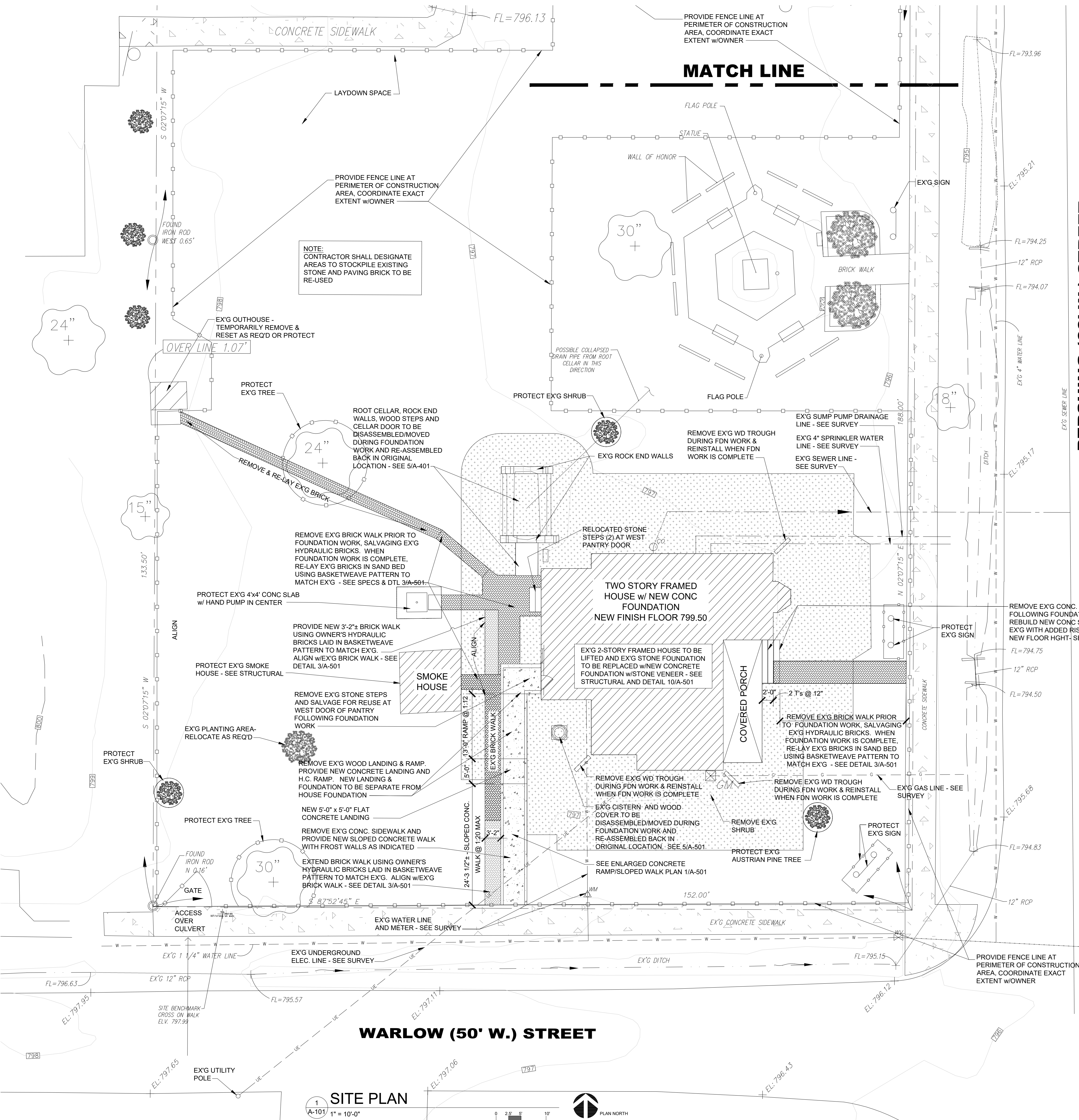
SECTIONS

SHEET NUMBER:

S-301

SHEET 09 OF 18

BID DOCUMENTS SUBMITTAL - 09/09/2025



THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



ABS Consulting
AN ABS GROUP COMPANY
MO State Certificate of Authority
#2004000080
1701 City Plaza Drive
Spring, TX 77389
Phone (636) 875-0118
www.abs-group.com

LOGAN ARCHITECTS ATELIER
ARCHITECT & CULTURAL HISTORICAL DESIGN STUDIO
ARCHITECT & CULTURAL RESOURCES CONSULTANT
MO State Certificate of Authority
#A2025013352
1005 Nichols Street
Fulton, MO 65251
Phone (573) 310-8686
www.loganarchitectsatelier.com

MANN
Architectural Engineering, LLC
Certificate of Authority: E2010005597
1512 Polaris Drive
Ellisville, MO 63011
(636) 527-4641

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES

PERSHING BOYHOOD HOME SHS
FOUNDATION STABILIZATION
& REPAIR

LACLEDE, MISSOURI

PROJECT # X2520-01
FMDC SITE # 5112
FACILITY # (HOME) 781512001
(ROOT CELLAR) 781512010

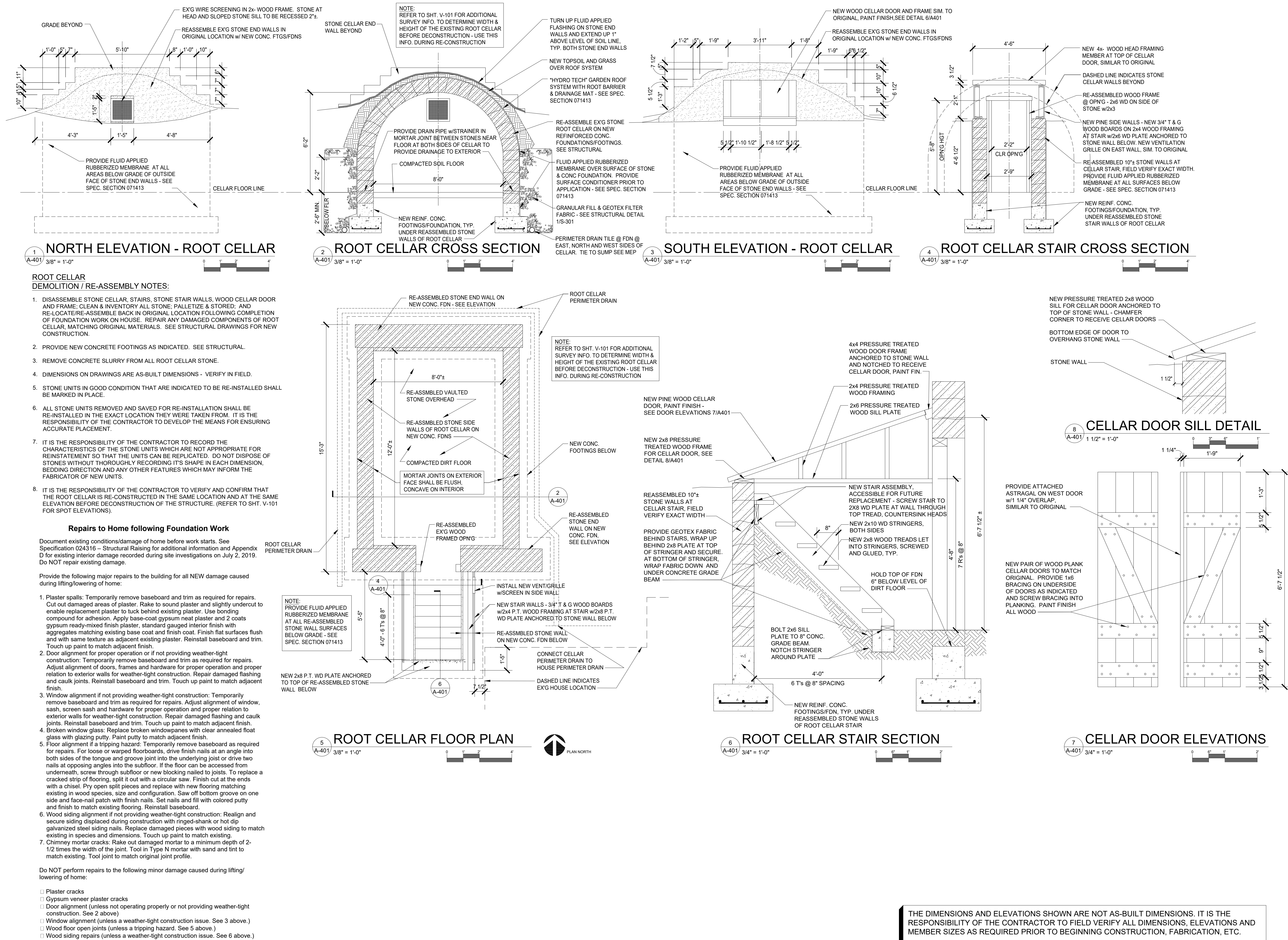
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/09/2025

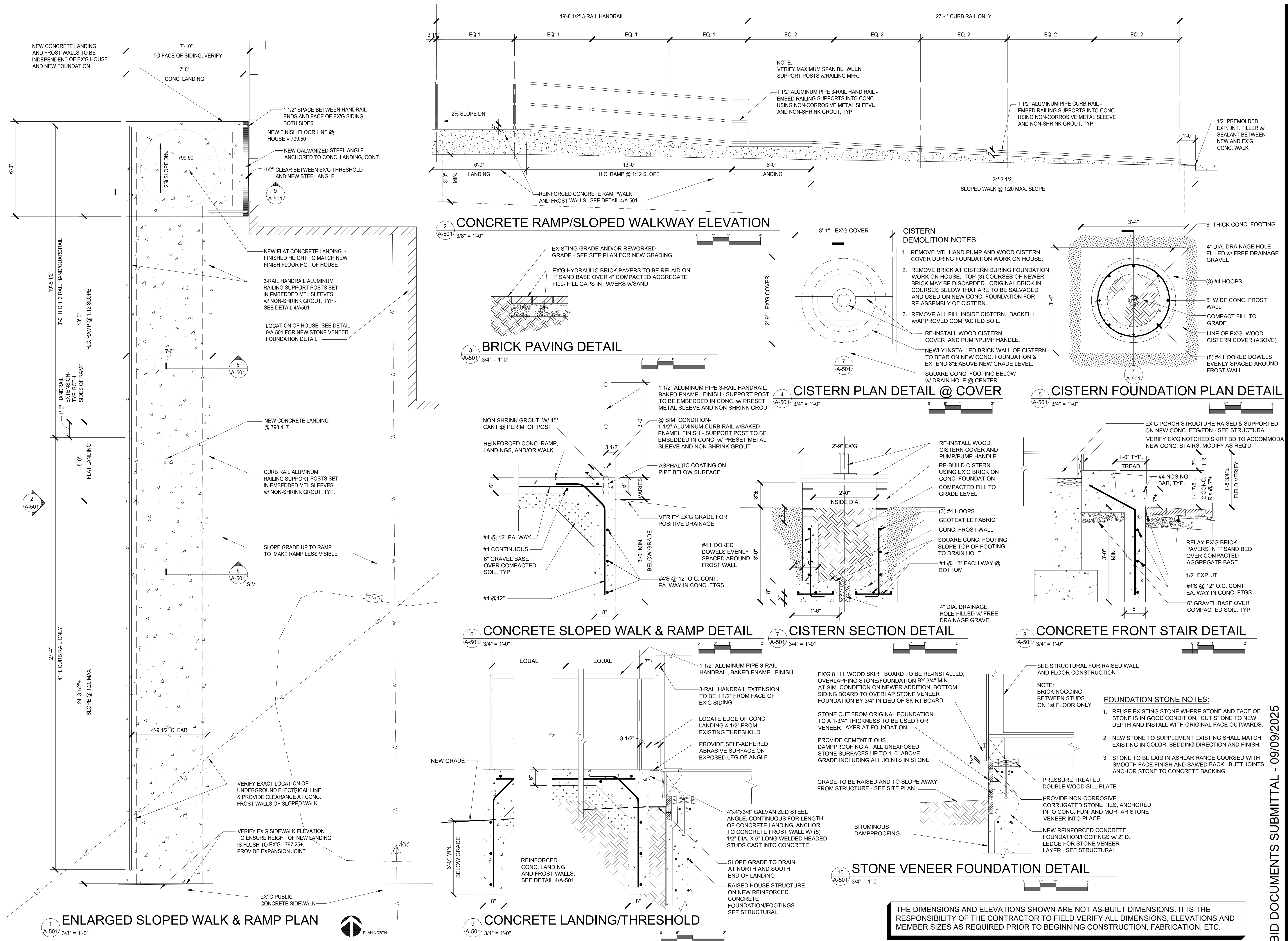
CAD DWG FILE: A-101
DRAWN BY: AGL
CHECKED BY: AGL
DESIGNED BY: AGL

SHEET TITLE:
SITE PLAN

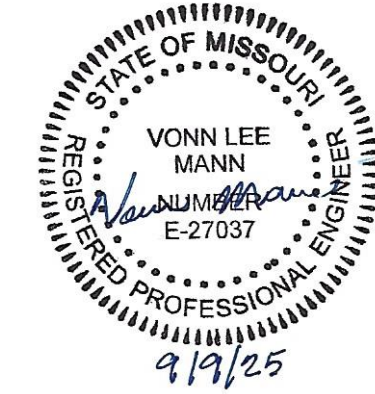
SHEET NUMBER:
A-101
SHEET 10 OF 18

BID DOCUMENTS SUBMITTAL - 09/09/2025





THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.



ABS Consulting

AN ABS GROUP COMPANY
MO State Certificate of Authority
#2004000080
1701 City Plaza Drive
Spring, TX 77389
Phone (636) 875-0118
www.abs-group.com

LOGAN ARCHITECTS ATELIER
ARCHITECTURAL & HISTORICAL DESIGN STUDIO
ARCHITECT & CULTURAL RESOURCES CONSULTANT
ARCHITECTURAL HISTORIC PRESERVATION
MO State Certificate of Authority #A2025013352
1005 Nichols Street
Fulton, MO 65251
Phone (573) 310-8686
www.loganarchitectsatelier.com

MANN

Architectural Engineering, LLC
Certificate of Authority: E2010005597
1512 Polaris Drive
Ellisville, MO 63011
(636) 527-4641

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES

PERSHING BOYHOOD HOME SHS
FOUNDATION STABILIZATION
& REPAIR

LACLEDE, MISSOURI

PROJECT # X2520-01
FMDC SITE # 5112
FACILITY # (HOME) 7815112001
(ROOT CELLAR) 7815112010

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/09/2025

CAD DWG FILE: _____
DRAWN BY: VLM
CHECKED BY: VLM
DESIGNED BY: VLM

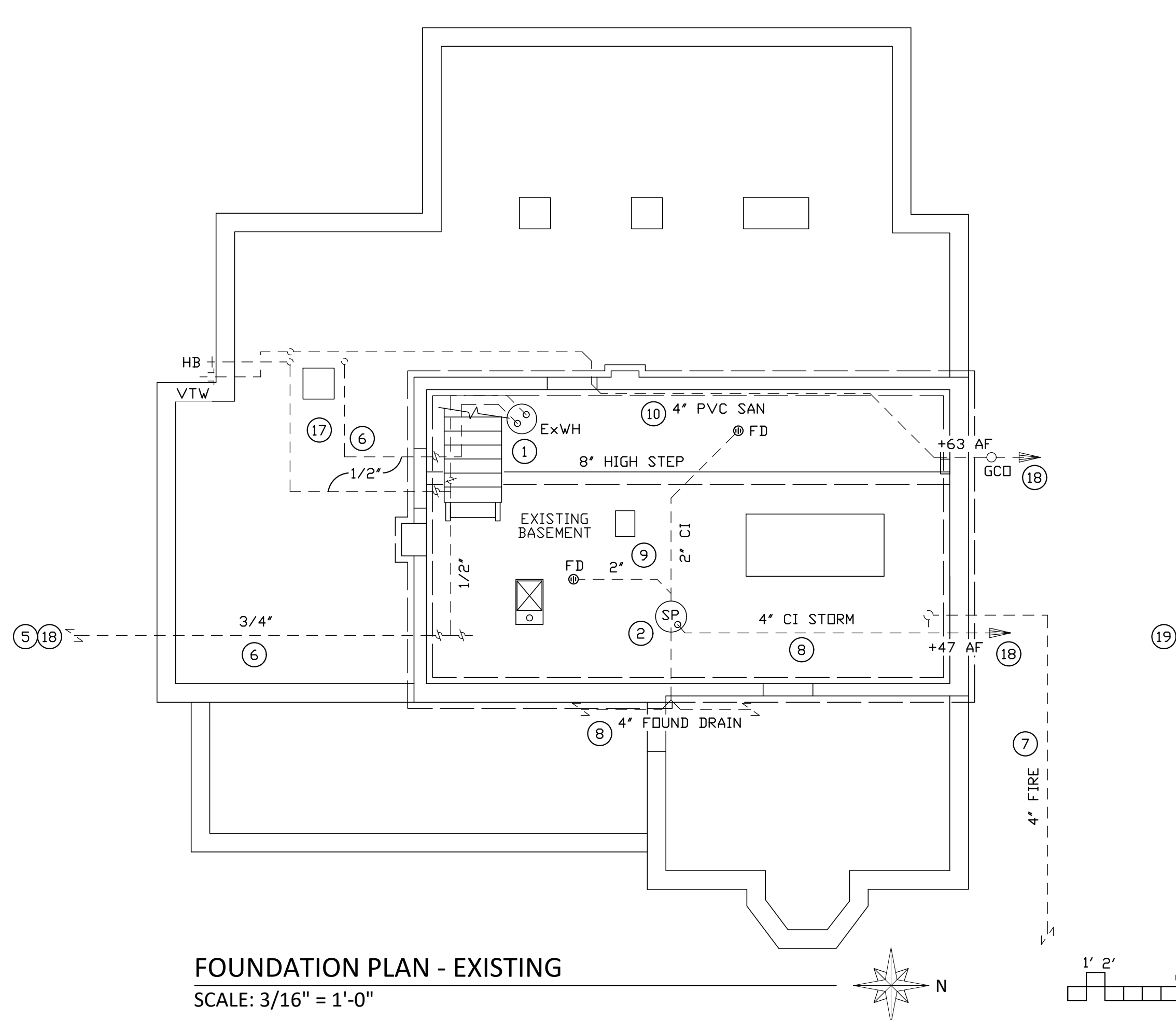
SHEET TITLE:

PLUMBING BASEMENT PLAN

SHEET NUMBER:

P-101

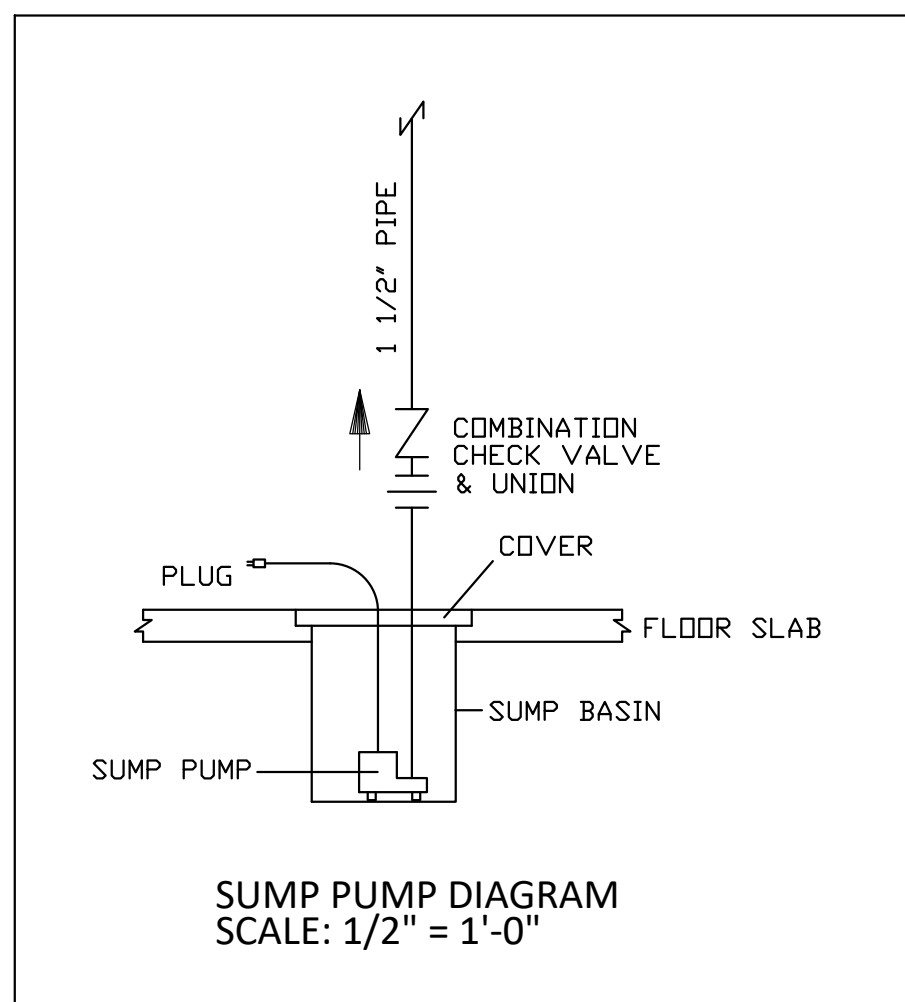
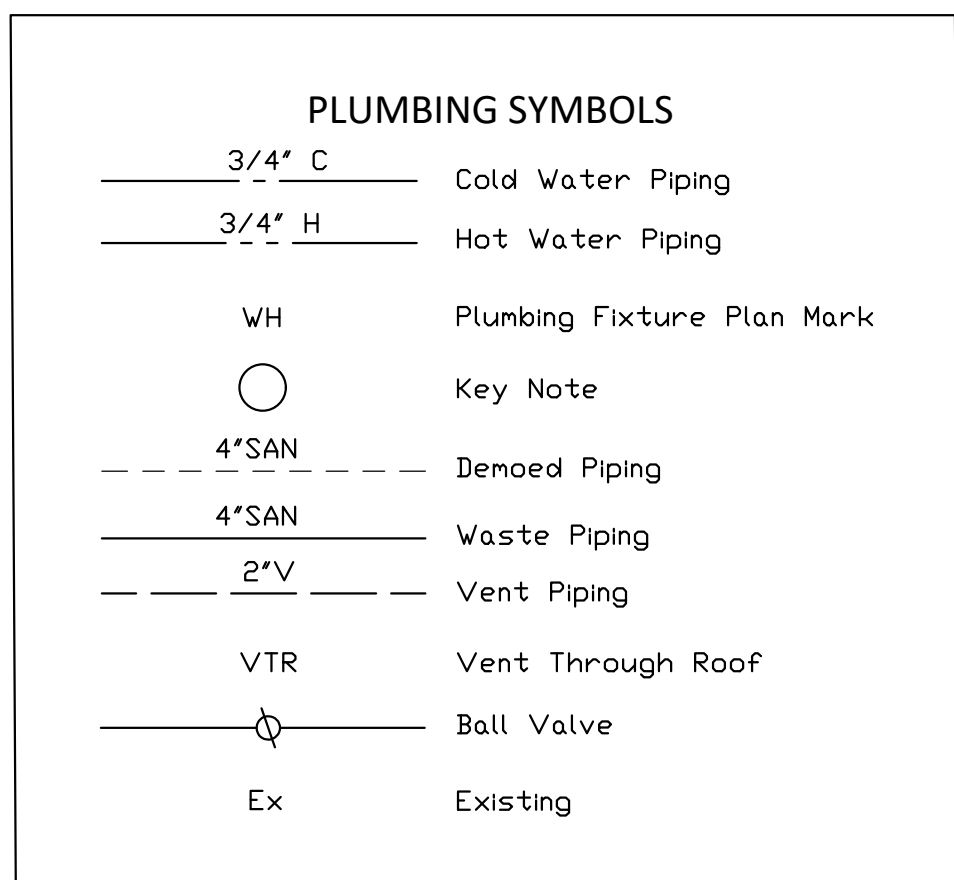
SHEET 13 OF 18



Existing WATER HEATER							
PLAN MARK	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	TANK SIZE GALLONS	VOLTAGE V/P/C	POWER W	MOCP AMPS
ExWH	AO SMITH	GED 30 780T	780T-H-76-17878	30	240/1/60	4500	30

WATER HEATER SCHEDULE		
PLAN MARK	FIXTURE TYPE	DESCRIPTION
WH	WATER HEATER	RHEEM MODEL XE40T06ST45U1 40 GALLON TALL 54 GALLONS FIRST HOUR DELIVERY ELECTRIC: 240V, 4500W 3/4" TOP WATER CONNECTIONS DIMENSIONS: 19"Ø x 61"

ALTERNATE FOR WATER HEATER REPLACEMENT



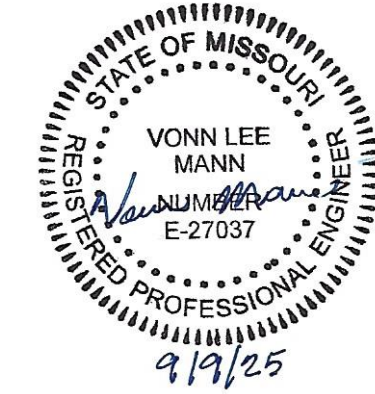
SUMP PUMP DIAGRAM
SCALE: 1/2" = 1'-0"

KEY NOTES - THIS SHEET ONLY

- DISCONNECT POWER TO WATER HEATER FOR RELOCATION TO NEW BASEMENT. DRAIN AND EMPTY WATER HEATER AND DISCONNECT WATER PIPING. RELOCATE AND REINSTALL WATER HEATER AT NEW BASEMENT LOCATION. BRACE WATER HEATER TO ADJACENT CONCRETE WALL. PROVIDE ALTERNATE BID TO REPLACE THE EXISTING WATER HEATER WITH A NEW WATER HEATER AS INDICATED IN THE PLUMBING FIXTURE SCHEDULE.
- UNPLUG AND REMOVE SUMP PUMP FOR RELOCATION TO NEW BASEMENT.
- INSTALL AND PLUG IN RELOCATED SUMP PUMP, UNION AND CHECK VALVE. FURNISH AND INSTALL NEW SUMP BASIN.
- ROUTE 1 1/2 SUMP DRAIN PIPING THROUGH FOUNDATION WALL AND RECONNECT UNDERGROUND TO EXISTING 4 INCH DIAMETER STORM DRAIN PIPE AT EXTERIOR OF BUILDING. EXISTING 4 INCH DIAMETER STORM DRAIN PIPE ROUTES TO DITCH ON WEST SIDE OF PERSHING DRIVE. CLEAN EXISTING 4 INCH DIAMETER CAST IRON PIPE OF CLOG OR DEBRIS TO INSURE PROPER DRAINAGE.
- SHUT-OFF WATER AT VALVE AT THE STREET.
- REMOVE AND DISPOSE OF WATER PIPING.
- SHUT-OFF WATER TO FIRE LINE AT STREET. CUT, CAP, REMOVE AND DISPOSE OF FIRE LINE BEYOND EDGE OF EXCAVATION.
- REMOVE STORM PIPING AND FOUNDATION DRAIN TILE.
- REMOVE UNDERFLOOR PIPING AND FLOOR DRAINS.
- REMOVE AND DISPOSE OF SANITARY PIPING.
- FURNISH AND INSTALL NEW DRAIN TILE SYSTEM AT BASEMENT PERIMETER.
- FURNISH AND INSTALL NEW SANITARY WASTE PIPING AT CEILING OF BASEMENT.
- FURNISH AND INSTALL NEW WATER PIPING AT BASEMENT CEILING.
- RECONNECT NEW WATER PIPING TO FIRST FLOOR PLUMBING FIXTURES.
- FURNISH AND INSTALL NEW WATER SHUT-OFF VALVE ON RISER.
- CONNECT FOUNDATION DRAIN FROM RECONSTRUCTED ROOT CELLAR.
- VERIFY LOCATION BEFORE DISCONNECTING AND REMOVING EXISTING HEAT TRACE CABLE.
- CUT, CAP AND MARK PIPING BACK BEYOND EDGE OF EXCAVATION OF NEW BASEMENT.
- RECONNECT NEW PIPING TO EXISTING UNDERGROUND PIPING.
- NEW PVC GRADE CLEANOUT.

THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.

BID DOCUMENTS SUBMITTAL - 09/09/2025



ABS Consulting

AN ABS GROUP COMPANY
MO State Certificate of Authority
#2004000080
1701 City Plaza Drive
Spring, TX 77389
Phone (636) 875-0118
www.abs-group.com

LOGAN ARCHITECTS ATELIER
ARCHITECTURAL & HISTORICAL DESIGN STUDIO
ARCHITECT & CULTURAL RESOURCES CONSULTANT
ARCHITECTURAL & HISTORICAL DESIGN
MO State Certificate of Authority #A2025013352
1005 Nichols Street
Fulton, MO 65251
Phone (573) 310-8686
www.loganarchitectsatelier.com

MANN

Architectural Engineering, LLC
Certificate of Authority: E2010005597
1512 Polaris Drive
Ellisville, MO 63011
(636) 527-4641

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES

PERSHING BOYHOOD HOME SHS
FOUNDATION STABILIZATION
& REPAIR

LACLEDE, MISSOURI

PROJECT # X2520-01
FMDC SITE # 5112
FACILITY # (HOME) 7815112001
(ROOT CELLAR) 7815112010

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/09/2025

CAD DWG FILE: _____
DRAWN BY: VLM
CHECKED BY: VLM
DESIGNED BY: VLM

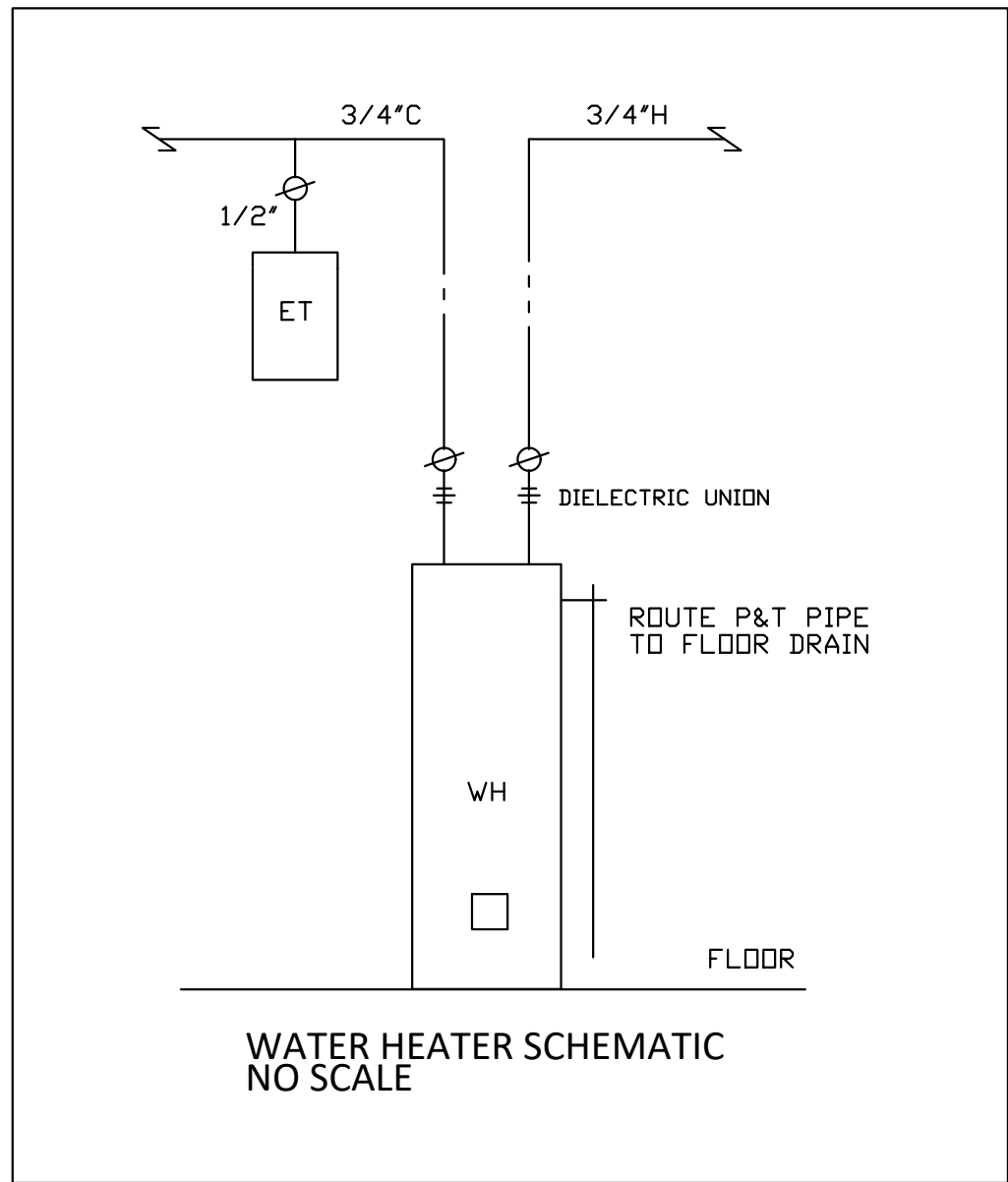
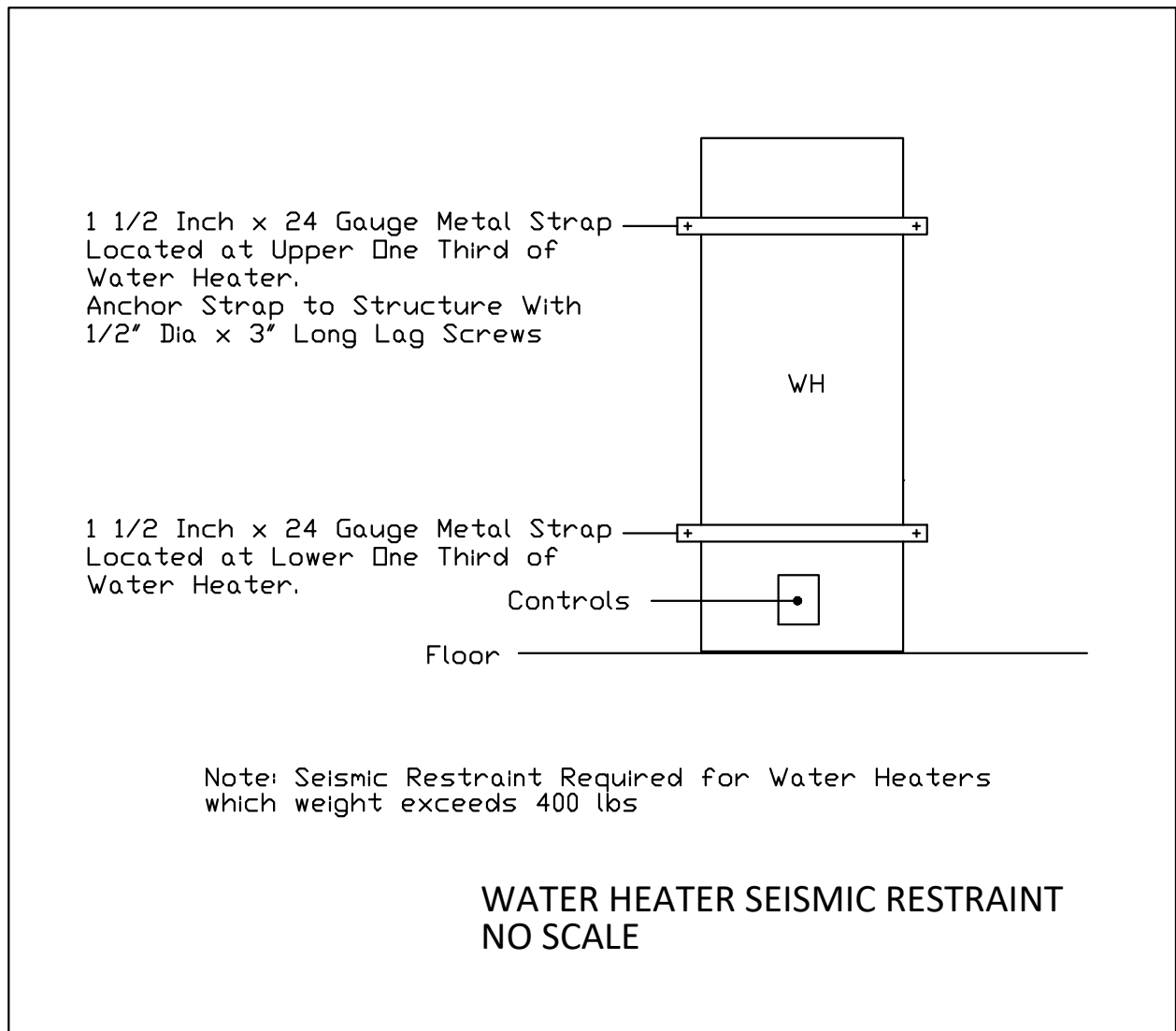
SHEET TITLE:

PLUMBING
FIRST FLOOR PLAN

SHEET NUMBER:

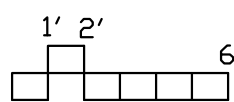
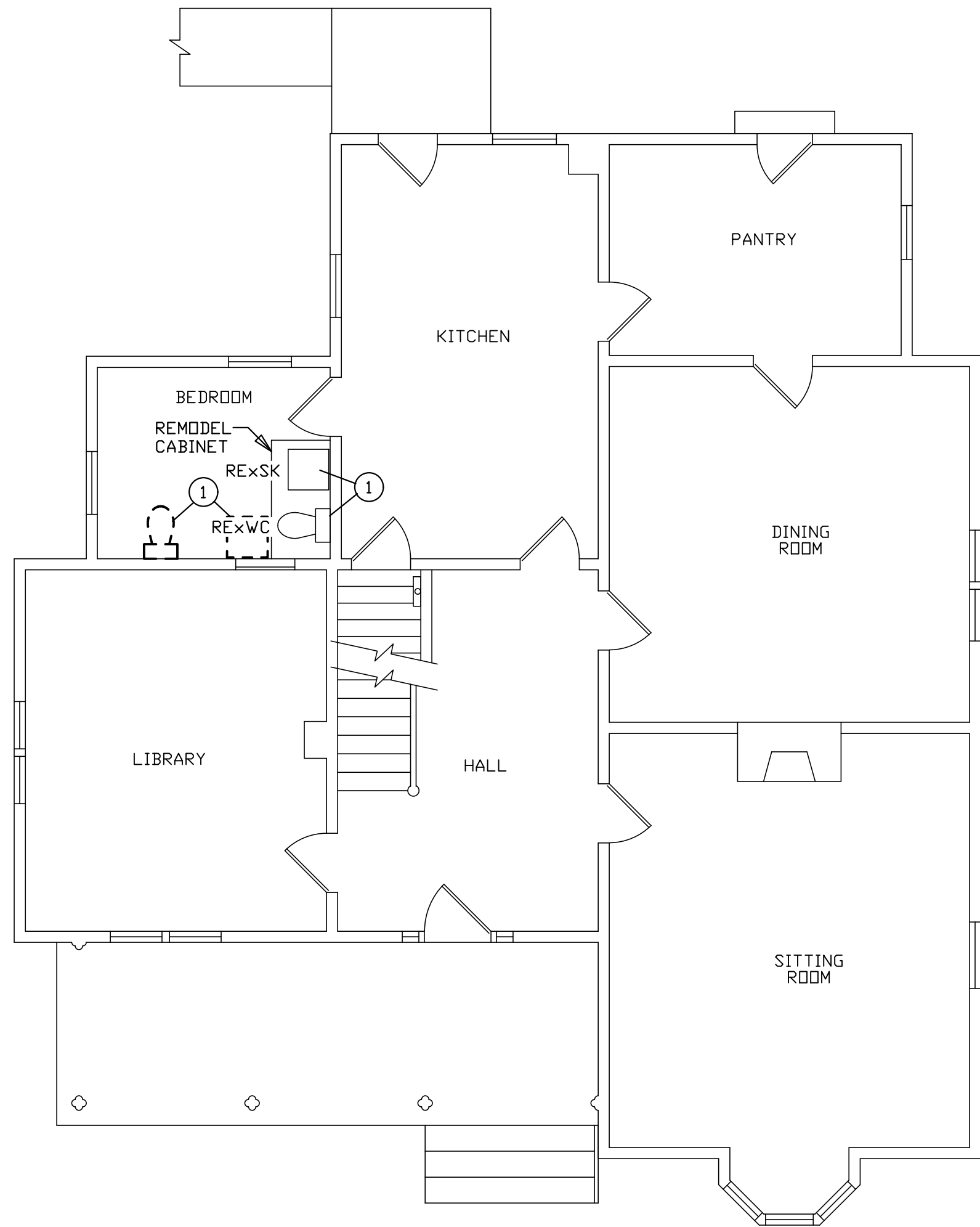
P-102

SHEET 14 OF 18



GENERAL NOTES:

- Contractor shall Comply with 2018 IPC, 2018 IECC, 2018 NFPA Codes, Ordinances and Regulations as required by the State of Missouri.
- Piping Materials:
Waste and Vent Piping: Schedule 40 PVC
Domestic Water Piping: Copper, Pex Tubing, PVC.
- General Scope of work:
Contractor shall demo existing piping in basement so that existing basement can be removed and replaced with new basement. PC Shall disconnect and store water heater and sump pump. Furnish and install new piping with connections to water heater, plumbing fixtures and sump pump. Exterior piping locations have been obtained from archive drawings and a field investigation. Contact DIG-RITE to verify, locate and mark all site utilities before excavation.
- Contractor Shall Furnish and Install All Accessories for a Complete Operating Condition of All Plumbing Fixtures. This Includes Shut-Off Valves for isolation and disconnection of Each Fixture.
- Manufacturer's Instructions and Recommendations Shall Be Followed For Installation of Materials and Products.
- Furnish and Install Piping Jacket Insulation on Hot and Cold Water. Piping. Tape all Joints as per Manufacturer Instructions.
- Furnish and install Ball Valves for All Branch Water Lines.



FIRST FLOOR PLAN
SCALE: 3/16" = 1'-0"

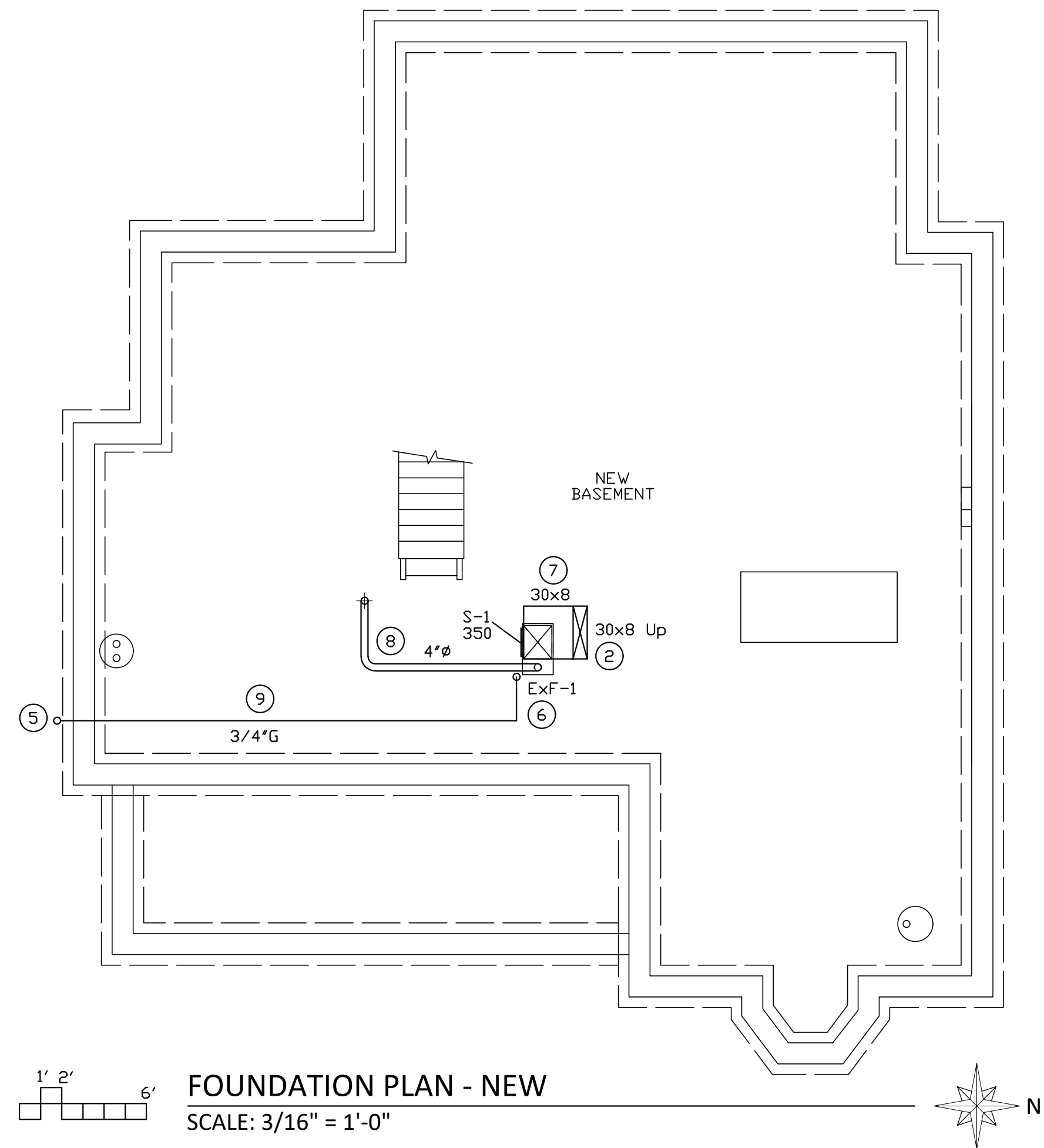
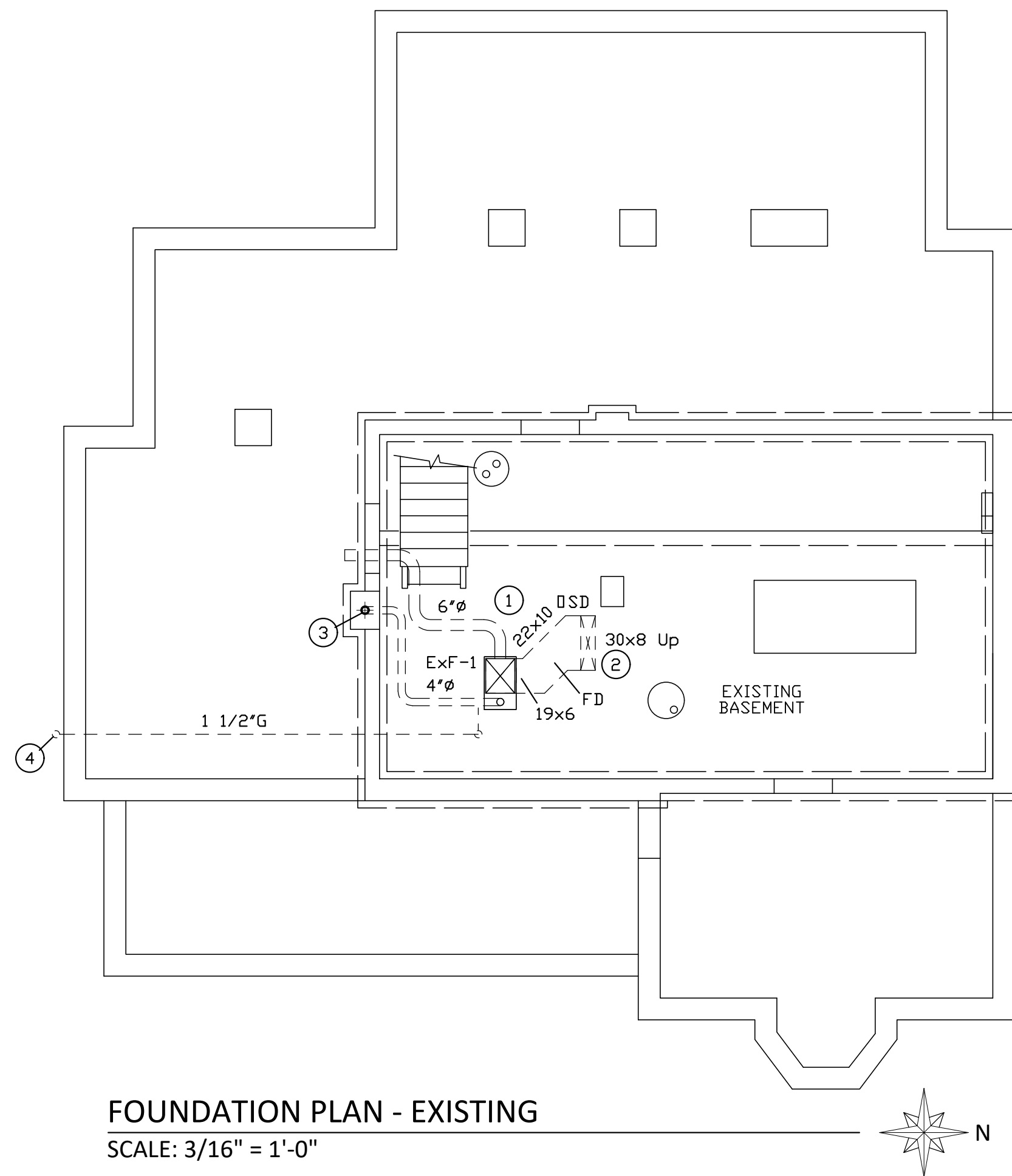


KEY NOTES - THIS SHEET ONLY

- ① REMOVE AND STORE EXISTING WATER CLOSET AND SINK FIXTURES. CUT, CAP AND DISPOSE OF UNUSED PIPING. UPON COMPLETION OF SETTING HOUSE ON TOP OF NEW BASEMENT REINSTALL WATER CLOSET AND SINK IN NEW LOCATION. WATER CLOSET AND SINK SHALL SET INSIDE AND BE HIDDEN BY REMODELED CABINET. MODIFY WATER AND SANITARY PIPING AS REQUIRED TO CONNECT WATER CLOSET AND SINK TO EXISTING PLUMBING SYSTEM.

THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.

BID DOCUMENTS SUBMITTAL - 09/09/2025



EXISTING FURNACE												
PLAN MARK	MANUFACTURER	FURNACE MODEL NUMBER	CONFIGURATION	SUPPLY CFH	BLOWER HP	EXTERNAL STATIC PRESSURE IN WG	GAS HEAT INPUT MBH	GAS HEAT OUTPUT MBH	AFUE %	VOLTAGE V-P-C	UNIT AMPS	MCCP AMPS
ExF-1	CARRIER	58WAV111--12112	UPFLOW	1000	1/3	0.5	110	89	80	115-1-60	7.9	15

FURNACE SCHEDULE												
PLAN MARK	MANUFACTURER	FURNACE MODEL NUMBER	CONFIGURATION	SUPPLY CFH	BLOWER HP	EXTERNAL STATIC PRESSURE IN WG	GAS HEAT INPUT MBH	GAS HEAT OUTPUT MBH	AFUE %	VOLTAGE V-P-C	UNIT AMPS	MCCP AMPS
F-1	CARRIER	58SC08090E171114	UPFLOW	1000	1/2	0.5	88	71	80	115-1-60	8.3	15

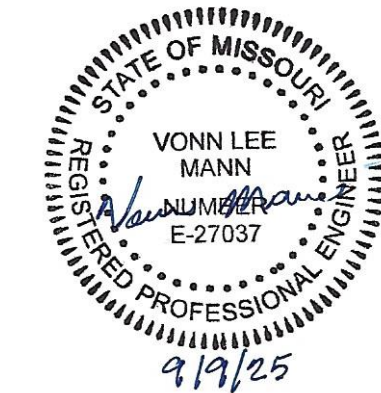
AIR DEVICE SCHEDULE				
PLAN MARK	MANUFACTURER *	MODEL NUMBER	NECK SIZE	REMARKS
S-1	ACCORD VENTILATION	222	14 x 8	1,2

REMARKS:
 1. SIDEWALL SUPPLY AIR REGISTER.
 2. DAMPER.

* Basis used for design. Equivalent models by Titus, Krueger Price & Metal Aire,

- ① DISCONNECT AND RELATE FURNACE SYSTEM TO NEW BASEMENT. THIS INCLUDES DISCONNECTING REMOVING & DISPOSAL OF DUCTS; FLUE VENT, NATURAL GAS PIPING AND THERMOSTAT CONTROL WIRING INSIDE EXISTING BASEMENT. REINSTALL RELOCATED FURNACE SYSTEM IN NEW BASEMENT. FURNISH LOCAL GAS COMPANY TO REINSTALL NEW DUCTWORK, FLUE VENT, NATURAL GAS PIPING AND CONTROL WIRING AS REQUIRED. ROUTE CONDENSATE PIPING TO FLOOR DRAIN. PROVIDE ALTERNATE BID TO REPLACE EXISTING FURNACE WITH NEW FURNACE AS INDICATED IN FURNACE SCHEDULE.
- ② NEW DUCT RAISES UP THROUGH FIRST FLOOR TO EXISTING FLOOR REGISTER.
- ③ EXISTING 4 INCH DIAMETER FLUE UP TO ROOF SHALL REMAIN.
- ④ EXISTING 1 1/2" GAS PIPING RAISES UP TO EXISTING METER LOCATED ON GRADE. COORDINATE WITH LOCAL GAS COMPANY TO SHUT-OFF GAS SERVICE AND REMOVE OR PROTECT METER DURING EXCAVATION OF NEW BASEMENT.
- ⑤ COORDINATE WITH LOCAL GAS COMPANY TO REINSTALL METER AND TURN BACK ON GAS SERVICE.
- ⑥ REINSTALL RELOCATED FURNACE SYSTEM IN NEW BASEMENT. FURNISH AND INSTALL NEW DUCTWORK, FLUE VENT, NATURAL GAS PIPING AND CONTROL WIRING AS REQUIRED. ROUTE CONDENSATE PIPING TO NEW FLOOR DRAIN.
- ⑦ FURNISH AND INSTALL NEW SHEET METAL DUCTWORK TIGHT TO BOTTOM OF CEILING JOISTS. DUCT SHALL NOT BE INSULATED.
- ⑧ FURNISH AND INSTALL NEW FLUE VENT PIPING AT CEILING AS HIGH AS POSSIBLE.
- ⑨ FURNISH AND INSTALL NEW GAS PIPING TIGHT TO BOTTOM OF CEILING JOISTS.

THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.



ABS Consulting

AN ABS GROUP COMPANY
MO State Certificate of Authority
#2004000080
1701 City Plaza Drive
Spring, TX 77389
Phone (636) 875-0118
www.abs-group.com

LOGAN ARCHITECTS ATELIER
THE ARCHITECTURAL & HISTORICAL DESIGN STUDIO
ARCHITECT & CULTURAL RESOURCES CONSULTANT
AND HISTORIC PRESERVATION SPECIALIST
MO State Certificate of Authority #A2025013352
1005 Nichols Street
Fulton, MO 65251
Phone (573) 310-8686
www.loganarchitectsatelier.com

MANN

Architectural Engineering, LLC
Certificate of Authority: E2010005597
1512 Polaris Drive
Ellisville, MO 63011
(636) 527-4641

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES

PERSHING BOYHOOD HOME SHS
FOUNDATION STABILIZATION
& REPAIR

LACLEDE, MISSOURI

PROJECT # X2520-01
FMDC SITE # 5112
FACILITY # (HOME) 7815112001
(ROOT CELLAR) 7815112010

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/09/2025

CAD DWG FILE: _____
DRAWN BY: VLM
CHECKED BY: VLM
DESIGNED BY: VLM

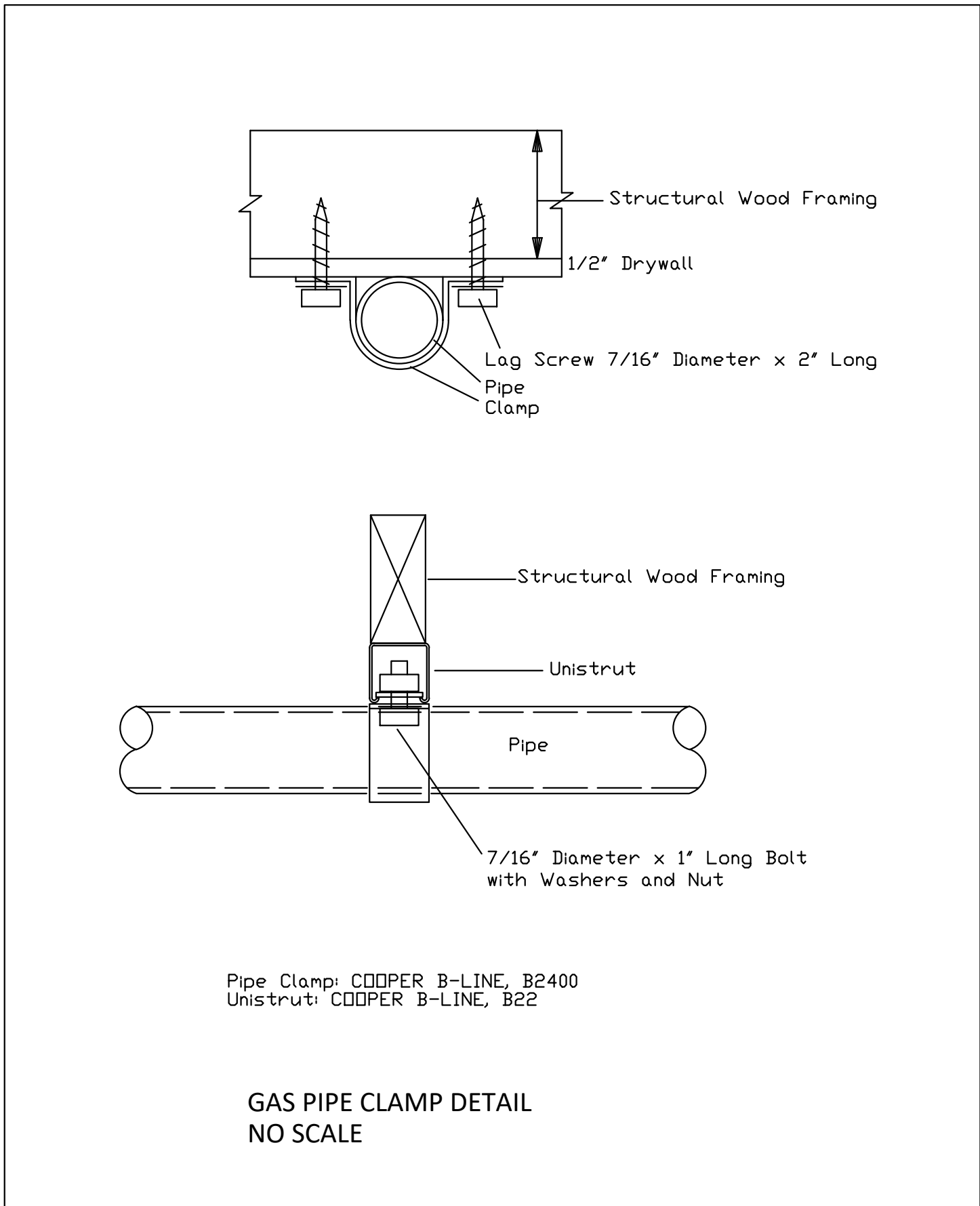
SHEET TITLE:

MECHANICAL
FIRST FLOOR PLAN

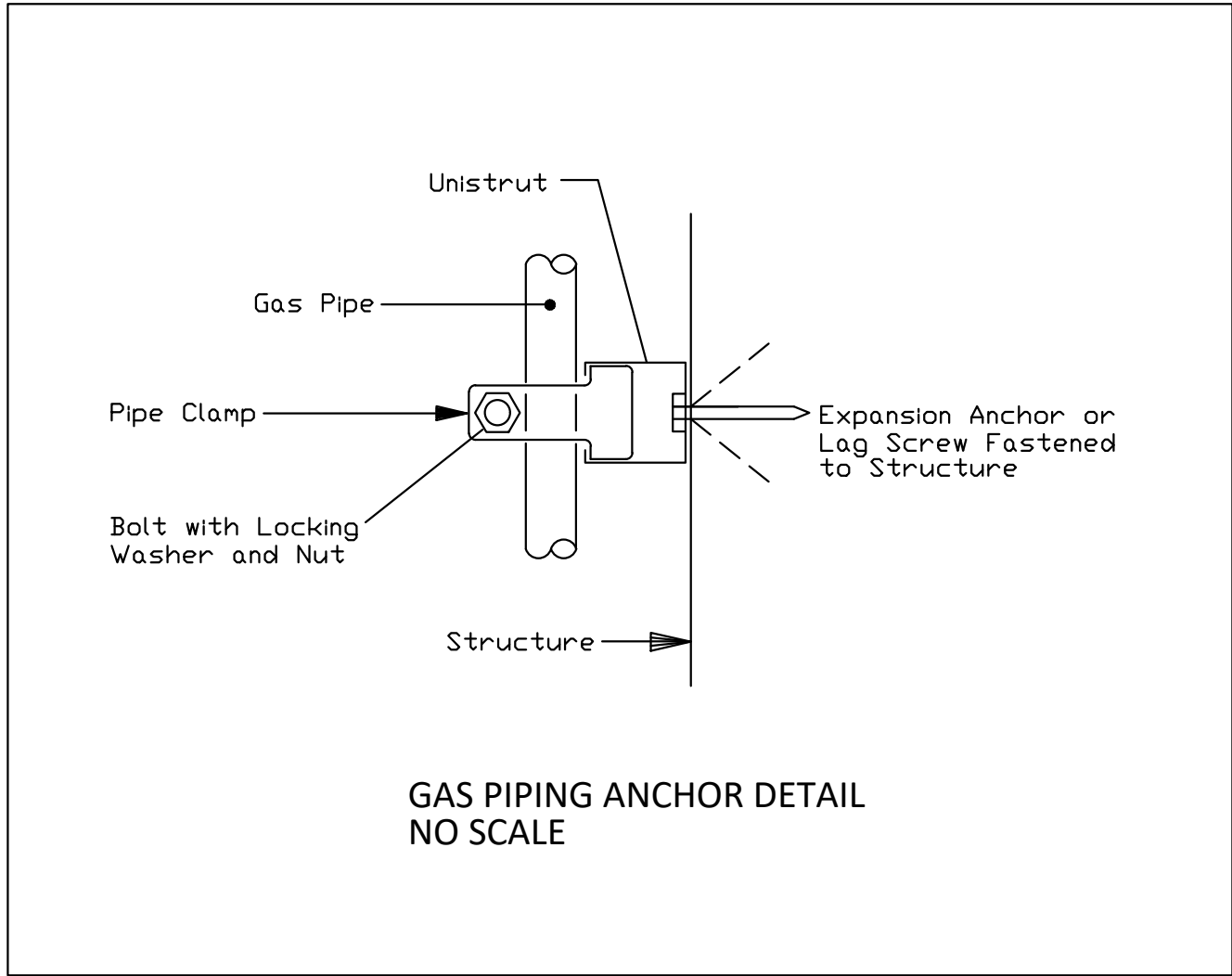
SHEET NUMBER:

M-102

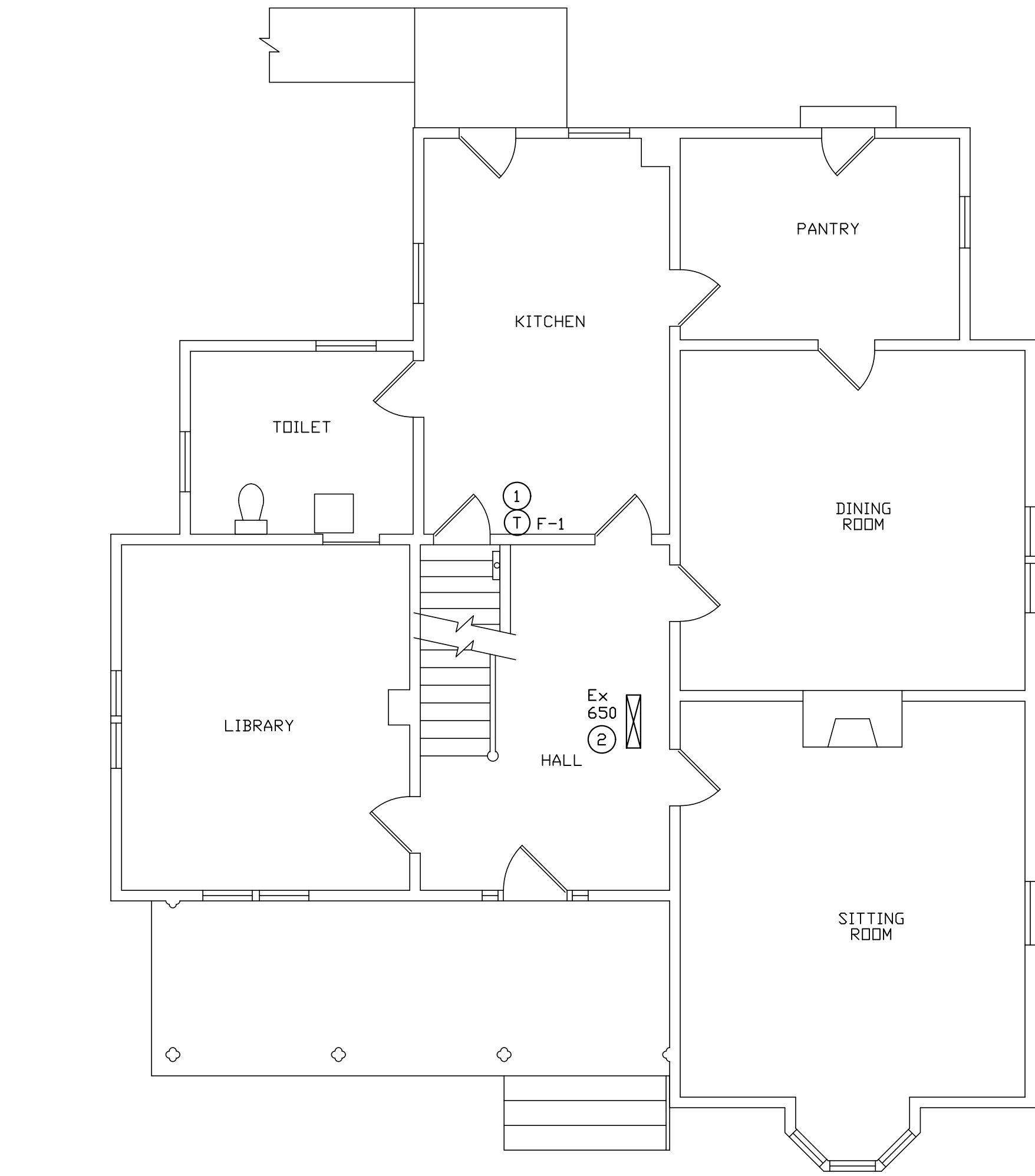
SHEET 16 OF 18



- GENERAL NOTES**
- Contractor shall Comply with 2018 IMC and Regulations as Required by State of Missouri.
 - Ductwork to be fabricated from galvanized sheet metal conforming to SMACNA Low Pressure Duct Construction Standards. Ductwork shall be installed per SMACNA Standards.
 - Gas Piping Shall be Schedule 40 Screwed Black Iron Pipe. Each connection to include gas cock, union, pressure regulator and drip tee.
 - Route 3/4" Condensate piping to basement floor drain. Condensate material shall be clear pex tubing or pvc piping.
 - Duct Sizes indicated on plan are free area of air flow or sheet metal size. Ductwork not required to be insulated.
 - Seal Ducts with Mastic Tape and Sealer Adhesive to Prevent Air Leakage.
 - Contractor shall keep ductwork, piping and equipment clean before and during construction until completion of work.
 - Furnish and install Flexible Connections between furnace and ducts to prevent vibration.
 - Contractor Shall furnish and install Caulking around Mechanical Ducts, Pipes and Wiring penetrations through Walls, Ceilings and Floors.
 - Contractor Shall Balance Air Flow Rates and Adjust Belts and Sheaves so that Equipment Operates Efficiently.
 - Contractor Shall follow Manufacturer's Instructions and Recommendations to furnish and install Equipment and Accessories.
 - Contractor Shall replace Air Filters with New Air Filters upon completion of job.
 - Contractor Shall furnish and install power connection and disconnect for Furnace, F-1 relocation.
 - Contractor Shall furnish and install new 3 inch high House Keeping pad below relocated furnace.



SYMBOLS	
	Key Note
	Equipment
	Duct with Volume Damper
	Flexible Connection
	Thermostat
	Duct Size
	Existing

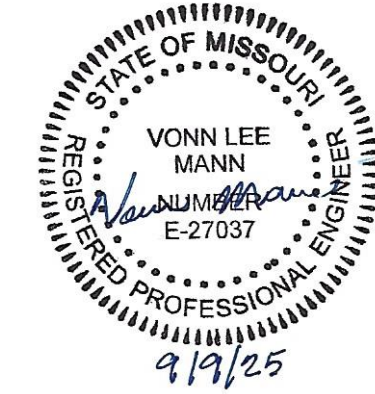


1' 2' 6'
FIRST FLOOR PLAN
SCALE: 3/16" = 1'-0"

- KEY NOTES - THIS SHEET ONLY**
- EXISTING FIRST FLOOR WALL THERMOSTAT LOCATED ON FIRST FLOOR AT THIS LOCATION SHALL REMAIN.
 - EXISTING FIRST FLOOR REGISTER SHALL REMAIN.

THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.

BID DOCUMENTS SUBMITTAL - 09/09/2025



ABS Consulting

AN ABS GROUP COMPANY
MO State Certificate of Authority
#2004000080
1701 City Plaza Drive
Spring, TX 77389
Phone (636) 875-0118
www.abs-group.com

LOGAN ARCHITECTS ATELIER
ARCHITECT & HISTORICAL DESIGN STUDIO
ARCHITECT & CULTURAL RESOURCES CONSULTANT
MO State Certificate of Authority #A2025013352
1005 Nichols Street
Fulton, MO 65251
Phone (573) 310-8686
www.loganarchitectsatelier.com

MANN

Architectural Engineering, LLC
Certificate of Authority: E2010005597
1512 Polaris Drive
Ellisville, MO 63011
(636) 527-4641

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES

PERSHING BOYHOOD HOME SHS
FOUNDATION STABILIZATION
& REPAIR

LACLEDE, MISSOURI

PROJECT # X2520-01
FMDC SITE # 5112
FACILITY # (HOME) 7815112001
(ROOT CELLAR) 7815112010

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/09/2025

CAD DWG FILE: _____
DRAWN BY: VLM
CHECKED BY: VLM
DESIGNED BY: VLM

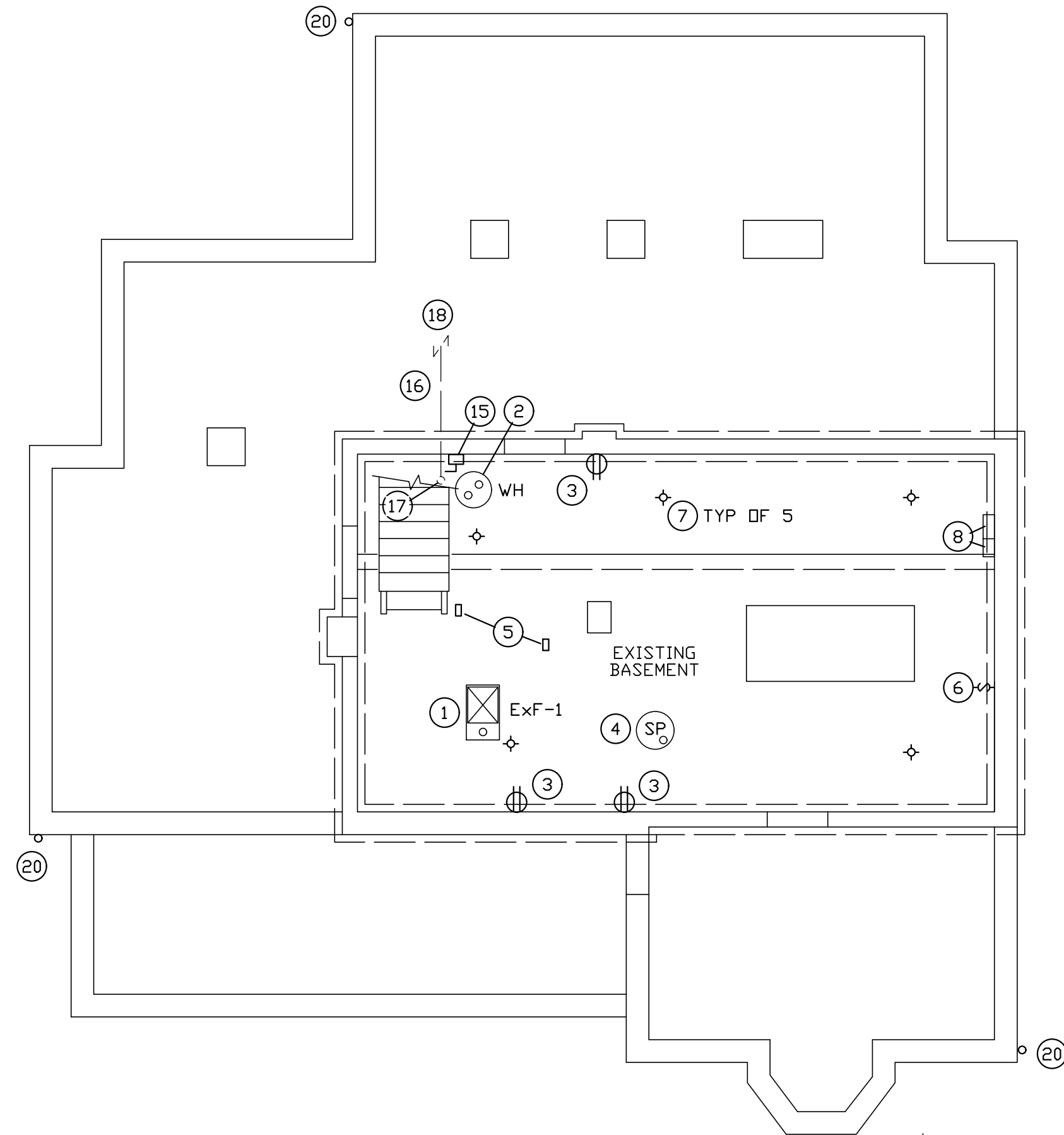
SHEET TITLE:

**ELECTRICAL
BASEMENT PLAN**

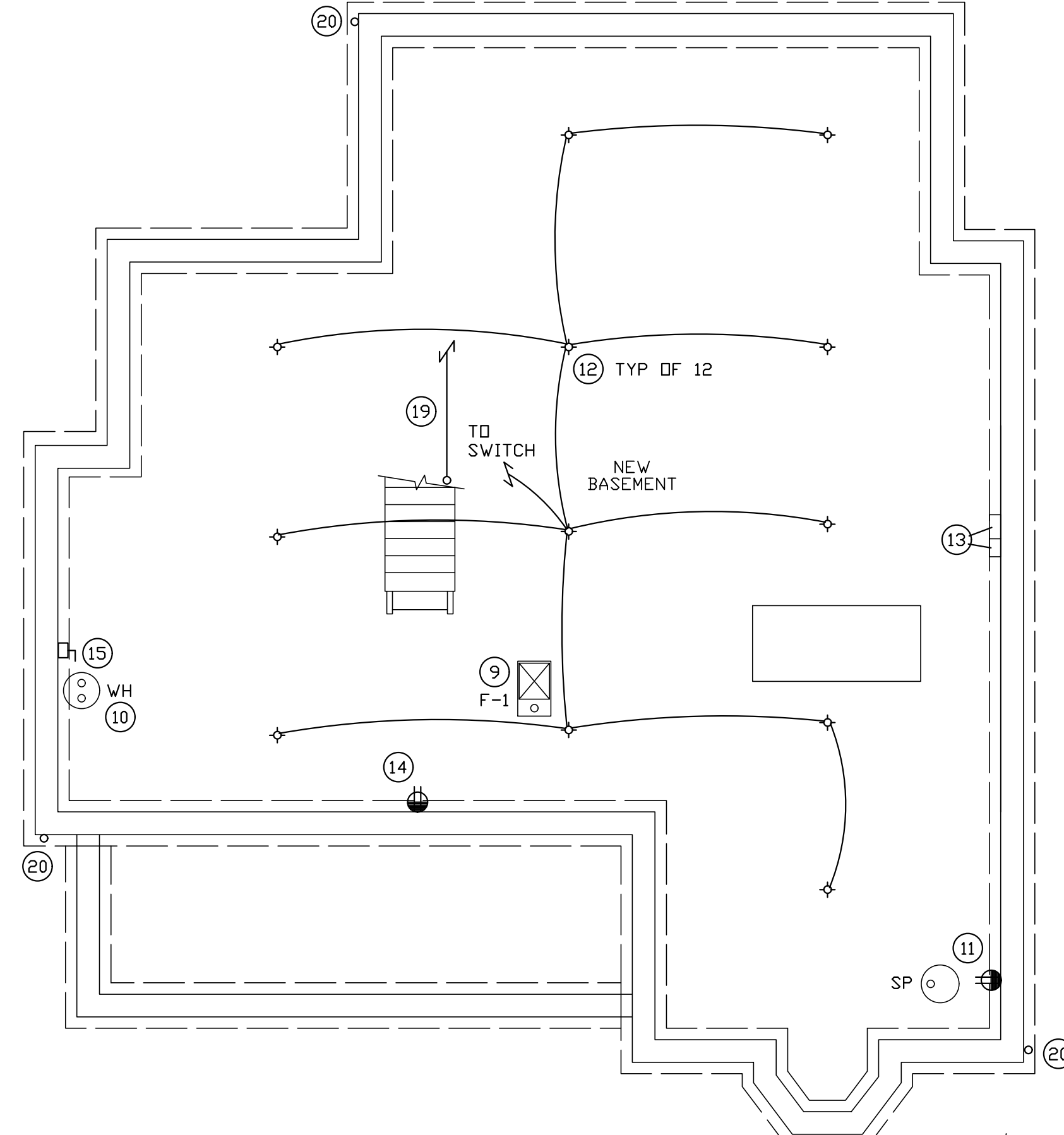
SHEET NUMBER:

E-101

SHEET 17 OF 18



FOUNDATION PLAN - EXISTING
SCALE: 3/16" = 1'-0"



FOUNDATION PLAN - NEW
SCALE: 3/16" = 1'-0"

LIGHT FIXTURE SCHEDULE							
PLAN MARK	DESCRIPTION	MOUNTING	MANUFACTURERS	COLOR	LAMPS	VOLTAGE V-P-C	INPUT WATTS
A	Porcelain Ceiling Socket	Surface	LEGRAND, EATON, PASS & SEYMOUR	Daylight	LED 12w, 5000K	120-1-60	12

SYMBOLS

- Ex EXISTING
JUNCTION BOX
\$ SINGLE POLE SWITCH
DISCONNECT SWITCH
GFCI GROUND FAULT CIRCUIT INTERRUPTER
DUPLEX RECEPTACLE WITH GFCI

KEY NOTES - THIS SHEET ONLY

- DISCONNECT, REMOVE AND DISPOSE OF ELECTRICAL WIRING TO FURNACE. PROVIDE ALTERNATE BID FOR FURNACE REPLACEMENT.
- DISCONNECT, REMOVE AND DISPOSE OF ELECTRICAL WIRING TO WATER HEATER. PROVIDE ALTERNATE BID FOR WATER HEATER REPLACEMENT.
- DISCONNECT AND STORE RECEPTACLE FOR RELOCATION TO NEW BASEMENT.
- UNPLUG AND STORE SUMP PUMP FOR RELOCATION TO NEW BASEMENT.
- DISCONNECT AND STORE SMOKE DETECTORS FOR RELOCATION TO NEW BASEMENT.
- REMOVE AND DISPOSE OF SWITCH.
- DISCONNECT AND STORE INCANDESCENT LIGHT FIXTURE FOR RELOCATION TO NEW BASEMENT.
- DISCONNECT AND STORE TELEPHONE BOARD PANELS FOR RELOCATION TO NEW BASEMENT. REMOVE AND DISPOSE OF ASSOCIATED WIRING AS REQUIRED.
- RECONNECT PDWER TO RELOCATED FURNACE IN NEW BASEMENT.
- RECONNECT POWER TO RELOCATED WATER HEATER IN NEW BASEMENT.
- FURNISH AND INSTALL NEW RECEPTACLE FOR RELOCATED SUMP PUMP FROM OLD BASEMENT.
- FURNISH AND INSTALL NEW INCANDESCENT LIGHT FIXTURES. MAY REUSE LIGHT FIXTURES FROM OLD BASEMENT.
- REINSTALL TELEPHONE BOARD PANELS AND ASSOCIATED WIRING IN NEW BASEMENT.
- FURNISH AND INSTALL NEW RECEPTACLE IN NEW BASEMENT.
- RELOCATE DISCONNECT SWITCH FOR WATER HEATER TO NEW BASEMENT.
- LOCATE EXISTING 2 INCH DIAMETER PVC CONDUIT SECONDARY SERVICE RUN THROUGH CRAWL SPACE AND OUT FOUNDATION WALL AT SOUTHWEST CORNER OF HOUSE. REMOVE BACK TO BEYOND EDGE OF EXCAVATION FOR NEW BASEMENT.
- 2 INCH DIAMETER PVC CONDUIT SECONDARY SERVICE RAISES UP INTO BOTTOM OF PANEL "P" AT TOP OF STAIRS.
- BEFORE BEGINNING ELECTRICAL DEMO WORK DISCONNECT UNDERGROUND SERVICE TO HOUSE. POLE MOUNTED ELECTRIC METER, NUMBER 1853003 AND 200A DISCONNECT SWITCH ARE LOCATED ON POLE LOCATED ON SOUTH SIDE OF WARLOW STREET. COORDINATE AND ARRANGE FOR TEMPORARY POWER FOR CONSTRUCTION WITH FARMERS ELECTRICAL COOPERATIVE, CHILLICOTHE, MO, (660) 646-4281, JACKIE SHAFFER, STAKING ENGINEER.
- REINSTALL AND RECONNECT NEW SECONDARY SERVICE TO PANEL "P" AFTER HOUSE IS SET ATOP NEW BASEMENT. RUN NEW 2 INCH DIAMETER PVC CONDUIT AT BOTTOM OF CEILING JOISTS.
- EXISTING LIGHTNING PROTECTION CABLE AT OUTSIDE FACE OF WALL SHALL BE DISCONNECTED AT FOUNDATION BEFORE LIFTING THE HOUSE OFF OF FOUNDATION. FURNISH AND INSTALL NEW GROUNDING CABLE AND ROD AT NEW FOUNDATION WALL AND RECONNECT THE SYSTEM.

THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.

BID DOCUMENTS SUBMITTAL - 09/09/2025



ABS Consulting

AN ABS GROUP COMPANY
MO State Certificate of Authority
#2004000080
1701 City Plaza Drive
Spring, TX 77389
Phone (636) 875-0118
www.abs-group.com

LOGAN ARCHITECTS ATELIER
7TH ARCHITECTURAL & HISTORICAL DESIGN STUDIO
ARCHITECT & CULTURAL RESOURCES CONSULTANT
ARCHITECTURAL & HISTORICAL DESIGN
MO State Certificate of Authority #A2025013352
1005 Nichols Street
Fulton, MO 65251
Phone (573) 310-8686
www.loganarchitectsatelier.com

MANN

Architectural Engineering, LLC
Certificate of Authority: E2010005597
1512 Polaris Drive
Ellisville, MO 63011
(636) 527-4641

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
NATURAL RESOURCES

PERSHING BOYHOOD HOME SHS
FOUNDATION STABILIZATION
& REPAIR

LACLEDE, MISSOURI

PROJECT # X2520-01
FMDC SITE # 5112
FACILITY # (HOME) 7815112001
(ROOT CELLAR) 7815112010

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/09/2025

CAD DWG FILE: _____
DRAWN BY: VLM
CHECKED BY: VLM
DESIGNED BY: VLM

SHEET TITLE:

ELECTRICAL
FIRST FLOOR PLAN

SHEET NUMBER:

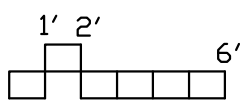
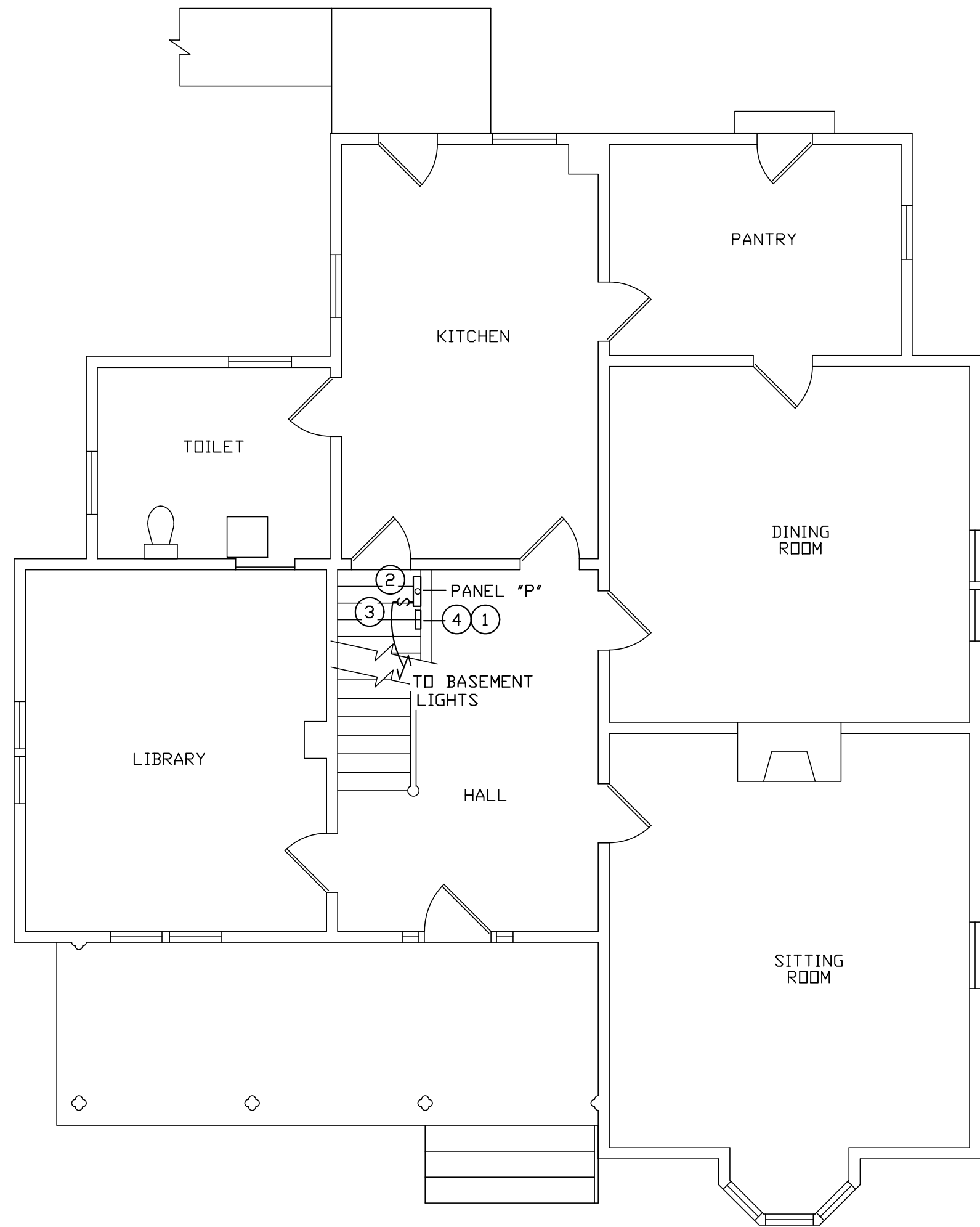
E-102

SHEET 18 OF 18

EXISTING PANEL "P"										120/240V, 1PH, 3W, 200A MCB		
CKT. NO.	BREAKER SIZE	BREAKER POLES	SERVES	VA	PHASE	VA	SERVES	POLES BREAKER	SIZE BREAKER	CKT. NO.		
1	20	1	SPARE	----	A	----	SPACE	1	20	2		
3	20	1	RECEPTACLES	----	B	----	SPACE	1	20	4		
5	20	1	SPARE	----	A	828	FURNACE, 1/3 HP	1	20	6		
7	20	1	SPARE	----	B	360	RECEPT-BASEMENT	1	20	8		
9	20	1	SPARE	----	A	4500	WATER HEATER	2	30	10		
11	20	1	SPARE	----	B					12		
13	20	1	SPARE	----	A	----	SPACE	1	20	14		
15	20	1	HEAT TAPE BELOW BATHROOM	----	B	----	LIGHTS-DINING, KITCHEN	1	20	16		
17	20	1	BATHROOM	----	A	----	SPACE	1	20	18		
19	20	1	SPACE	----	B	828	SUMP PUMP, 1/3 HP	1	20	20		
21	20	1	SPACE	----	A	----	SPACE	1	20	22		
23	20	1	SPACE	----	B	----	SPACE	1	20	24		
25	20	1	SPACE	----	A	----	SPACE	1	20	26		
27	20	1	SPACE	----	B	----	SPACE	1	20	28		
29	20	1	SPACE	----	A	----	SPACE	1	20	30		

GENERAL NOTES

- The Contractor Shall Comply with 2018 National Electric Code, NFPA, Ordinances, Regulations as required by Authority Having Jurisdiction.
- The Contractor Shall Verify New and Existing Conditions and Dimensions Utilities and Report to the Contractor any Questions, Concerns and or Comments that are pertinent to this Project before beginning any Electrical work.
- The Contractor Shall Verify all Information Indicated on these Drawings before proceeding with work.
- Electrical Panels shall be labeled with Typed Panel Schedule Inside the Panel Door.
- Use EMT for exposed interior wiring.
- Conductors shall be Copper, THHN for Interior wiring or THW for Exterior wiring. (Wet Locations).
- Standard mounting heights from floor to center of box are: 48" wall switches, and 42" floor receptacles.
- The Contractor Shall Install Low Voltage Wiring for HVAC Thermostats. Coordinate with MC.
- Route 3 Circuit Hone Runs Back To Panel. Three #12 (THHN-CU) Hot Wires, One #12 (THHN-CU) Neutral Wire and One #8 (THHN-CU) Ground inside 3/4 inch diameter conduit. unless noted otherwise.
- Contractor shall reinstall Telephone Wiring and System.
- Contractor Shall reinstall smoke detectors in basement.
- Contractor Shall reinstall Security System.



FIRST FLOOR PLAN
SCALE: 3/16" = 1'-0"



KEY NOTES - THIS SHEET ONLY

- DISCONNECT WIRING TO SECURITY SYSTEM PAD BEFORE LIFTING HOUSE. RECONNECT WIRING TO SECURITY SYSTEM PAD AFTER HOUSE IS SET ATOP NEW BASEMENT.
- DISCONNECT CONDUIT AND WIRING TO PANEL "P" BEFORE LIFTING HOUSE. RECONNECT CONDUIT AND WIRING TO PANEL "P" AFTER HOUSE IS SET ATOP NEW BASEMENT.
- SWITCH FOR BASEMENT LIGHTS SHALL REMAIN.
- TELEPHONE SHALL REMAIN.

THE DIMENSIONS AND ELEVATIONS SHOWN ARE NOT AS-BUILT DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION, FABRICATION, ETC.

BID DOCUMENTS SUBMITTAL - 09/09/2025