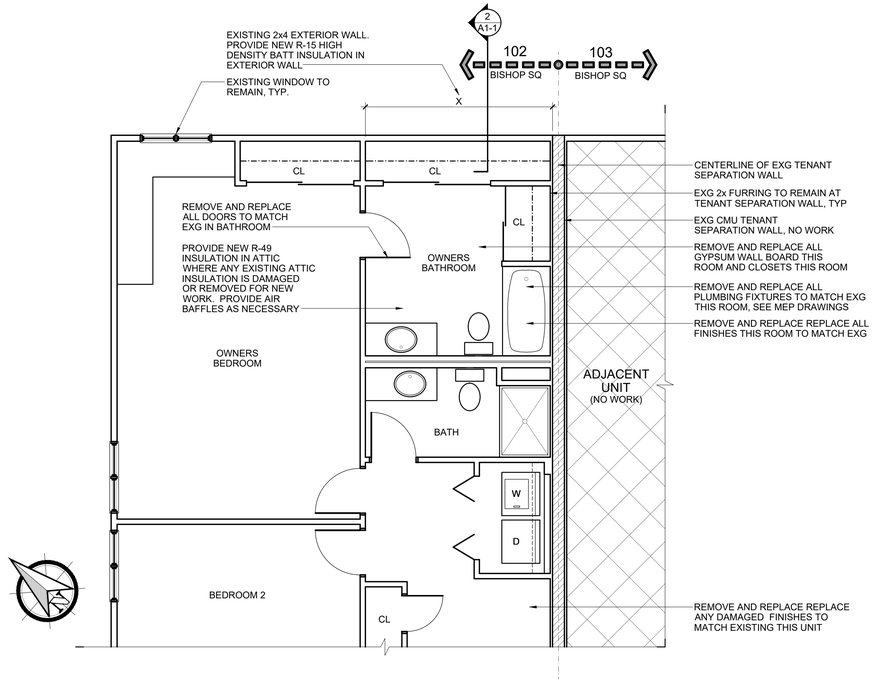
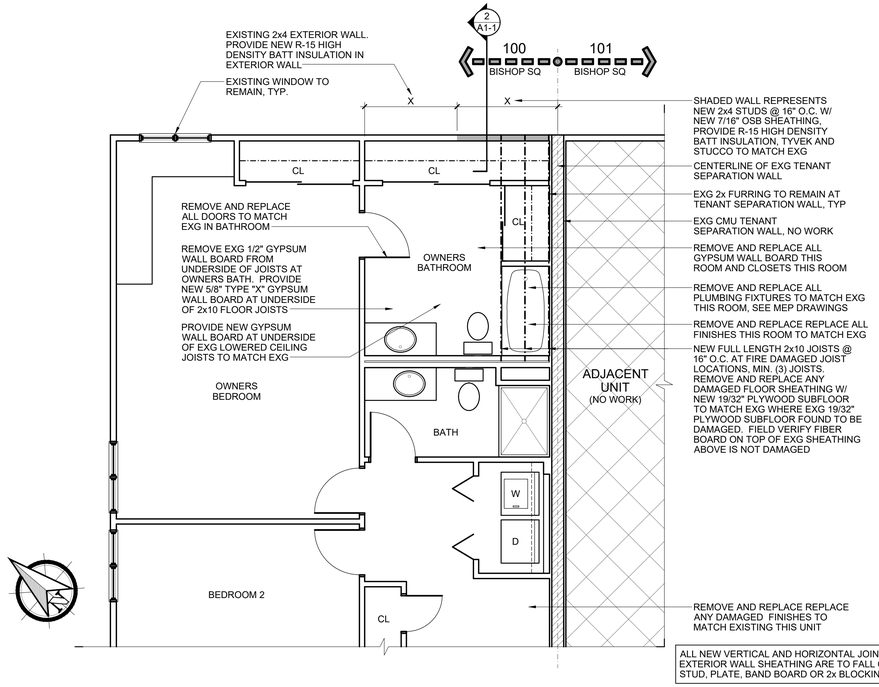


IN AREAS OF NEW WORK AND WHERE DRYWALL IS REMOVED, FIRE STOPPING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES AND BETWEEN STORIES AND ROOF.

6 FLOOR PLAN - UNIT 102 (2ND FLOOR UNIT)



ALL NEW VERTICAL AND HORIZONTAL JOINTS IN THE EXTERIOR WALL SHEATHING ARE TO FALL ON A STUD, PLATE, BAND BOARD OR 2x BLOCKING

IN AREAS OF NEW WORK AND WHERE DRYWALL IS REMOVED, FIRE STOPPING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES AND BETWEEN STORIES AND ROOF.

5 FLOOR PLAN - UNIT 100 (GROUND FLOOR UNIT)

GENERAL

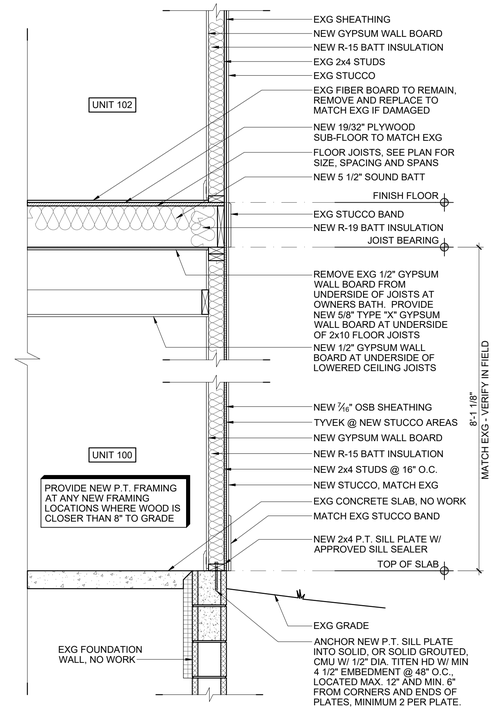
1. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE, AND TO ENSURE THE STABILITY OF THE BUILDING AND ITS COMPONENT PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS, DURING ERECTION. THIS INCLUDES THE ADDITION OF ANY SHORING, SHEETING, TEMPORARY GUYS, BRACING OR TIEDOWNS THAT MIGHT BE NECESSARY. SUCH MATERIAL IS NOT SHOWN ON THE DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT, AND SHALL REMAIN THE CONTRACTOR'S PROPERTY. THE ENGINEER HAS NO EXPERTISE IN, AND TAKES NO RESPONSIBILITY FOR, CONSTRUCTION MEANS AND METHODS OR JOB SITE SAFETY DURING CONSTRUCTION. PROCESSING AND/OR APPROVING SUBMITTALS MADE BY THE CONTRACTOR WHICH MAY CONTAIN INFORMATION RELATED TO CONSTRUCTION METHODS OR SAFETY ISSUES, OR PARTICIPATION IN MEETINGS WHERE SUCH ISSUES MIGHT BE DISCUSSED, SHALL NOT BE CONSTRUED AS VOLUNTARY ASSUMPTION BY THE ENGINEER OF ANY RESPONSIBILITY FOR SAFETY PROCEDURES.
2. IT IS SOLELY THE RESPONSIBILITY OF EACH CONTRACTOR TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE ENGINEER IS NOT ENGAGED IN, AND DOES NOT SUPERVISE, CONSTRUCTION.
3. EQUIPMENT FRAMING LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE THIS INFORMATION WITH THE INVOLVED TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN THESE REQUIREMENTS TO BE BORNE BY THE APPROPRIATE CONTRACTOR.
4. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE STRICTEST PROVISION SHALL GOVERN.
5. GOVERNING CODE: 2024 OHIO BUILDING CODE.
6. EXISTING BUILDING: PROVIDE TEMPORARY SUPPORTS AND OTHER MEASURES AS REQUIRED TO PREVENT DAMAGE TO THE EXISTING BUILDING DURING CONSTRUCTION. FIELD VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS WHICH AFFECT THE NEW CONSTRUCTION.
7. DESIGN FLOOR LIVE LOADS:
   a. CORRIDORS, STAIRS = 100 PSF
   b. OTHER AREAS = 50 PSF + 20 PSF PARTITION ALLOWANCE
8. WIND DESIGN PARAMETERS
   a. ULTIMATE DESIGN WIND SPEED = 115 MPH
   b. RISK CATEGORY = II
   c. WIND EXPOSURE = EXPOSURE C
   d. INTERNAL PRESSURE COEFFICIENTS = +/-0.18
   e. DESIGN WIND PRESSURE, COMPONENTS AND CLADDING ZONE 5 = 23.8, -31.9 PSF (WALLS AND 17:12 ROOF)
9. SEISMIC DESIGN PARAMETERS
   a. RISK CATEGORY = II
   b. SPECTRAL RESPONSE ACCELERATION (SHORT PERIODS) (SS/SDS) = 0.117/.125
   c. SPECTRAL RESPONSE ACCELERATION (1 SECOND) (S1/SD1) = 0.061/.098
   d. SEISMIC DESIGN CATEGORY = CATEGORY B
   e. SEISMIC IMPORTANCE FACTOR = 1.0
   f. SITE CLASS = D
   g. BASIC SEISMIC FORCE RESISTING SYSTEM - ORDINARY STEEL MOMENT FRAMES
   h. RESPONSE MODIFICATION FACTOR (R) = 2
   i. SEISMIC RESPONSE COEFFICIENT (Cs) = 0.062
   j. DESIGN BASE SHEAR = 13.4 KIPS
   k. ANALYSIS PROCEDURE -- EQUIVALENT LATERAL FORCE PROCEDURE

STRUCTURAL LUMBER

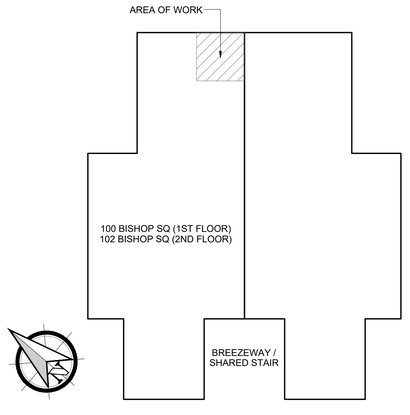
1. MATERIALS:
   a. STRUCTURAL LUMBER INCLUDING BEARING AND EXTERIOR WALL STUDS: SOUTHERN PINE #2, ALLOWABLE STRESSES PER THE NATIONAL DESIGN SPECIFICATION SUPPLEMENT 2005 EDITION; 19% MAX. M.C.
   b. PLYWOOD: FOR ROOFS AND WALLS: C-D PLUGGED, STRUCTURAL I, EXPOSURE 1, 5 PLY, WITH PANEL INDEX OF 24/0, 1/2 INCH THICK (WITH PLYWOOD CLIPS FOR ROOF SHEATHING). FOR FLOORS: C-D PLUGGED, STURD-I-FLOOR, EXPOSURE 1, 5 PLY, WITH PANEL INDEX OF 24 OC; 3/4 INCH THICK, TONGUE AND GROOVE.
   c. OSB: FOR WALLS: 1/2 INCH THICK WITH PANEL INDEX W24, EXPOSURE 1. FOR ROOFS: 1/2 INCH THICK WITH PANEL INDEX 1R24, EXPOSURE 1. FOR FLOORS: 3/4 INCH THICK, STURD-I-FLOOR WITH PANEL INDEX OF 1F24, EXPOSURE 1, TONGUE AND GROOVE.
2. SPECIFICATIONS: UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY THE LATEST EDITION OF:
   a. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
   b. U.S. PRODUCT STANDARD PS1
3. CONNECTIONS:
   a. JOISTS TO SIDES OF BEAMS: 16 GA. GALVANIZED STD. JOIST HANGERS, UNLESS SHOWN OTHERWISE.
   b. JOISTS AND TRUSSES TO TOPS OF WALLS AND BEAMS: 18 GA. GALVANIZED HURRICANE ANCHORS.
   c. PLYWOOD OR OSB TO FLOOR JOISTS: GLUED AND NAILED - USE 6d RING SHANK NAILS AT 6 INCHES O/C AT PANEL EDGES AND 12 INCHES O/C AT INTERMEDIATE SUPPORTS. USE ADHESIVES MEETING ASTM D3498 AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
   d. PLYWOOD OR OSB TO ROOF TRUSSES OR RAFTERS: NAILED - USE 6d RING SHANK NAILS AT 6 INCHES O/C AT PANEL EDGES AND 12 INCHES O/C AT INTERMEDIATE SUPPORTS. PROVIDE PLYWOOD CLIPS AT MID-SPAN OF PLYWOOD BETWEEN SUPPORTS.
   e. SHEATHING TO WALLS - NAILED - USE 8d COATED SINKERS AT 6 INCHES O.C. AT PANEL EDGES AND 12 INCHES O.C. AT INTERMEDIATE SUPPORTS. ALL VERTICAL AND HORIZONTAL JOINTS ARE TO BE OVER A COMMON STUD, PLATE, BAND BOARD, OR 2X BLOCKING.
   f. ALL CONNECTORS (HANGERS, NAILS, ETC.) IN CONTACT WITH TREATED LUMBER SHALL BE STAINLESS STEEL OR HOT DIP GALVANIZED COMPATIBLE WITH THE CHEMICALS IN THE WOOD.
   g. MULTIPLE STUD COLUMNS - GLUED AND NAILED WITH 16d NAILS AT 12" O.C. EACH PLY.
   h. ALL OTHER CONNECTIONS TO BE PER TABLE 2304.10.1 MINIMUM.
4. MISCELLANEOUS:
   a. USE ONE LINE OF SOLID BLOCKING OR CROSS BRIDGING AT 8'-0" O/C MAX. FOR ALL JOISTS AND RAFTERS, USE SOLID BLOCKING AT JOIST AND RAFTER BEARING.
   b. USE SOLID BLOCKING @ MID-HEIGHT FOR ALL EXTERIOR STUD WALLS AND INTERIOR BEARING PARTITIONS.
   c. APPLY CONTINUOUS BEAD OF ADHESIVE ON JOISTS AND GROOVE OF TONGUE_AND-GROOVE PANELS.
   d. BEFORE APPLYING FINISH FLOORING, SET NAILS 1/8 INCH BUT DO NOT FILL, AND LIGHTLY SAND ANY SURFACE ROUGHNESS, PARTICULARLY AT JOINTS AND AROUND NAILS.

4 STRUCTURAL NOTES

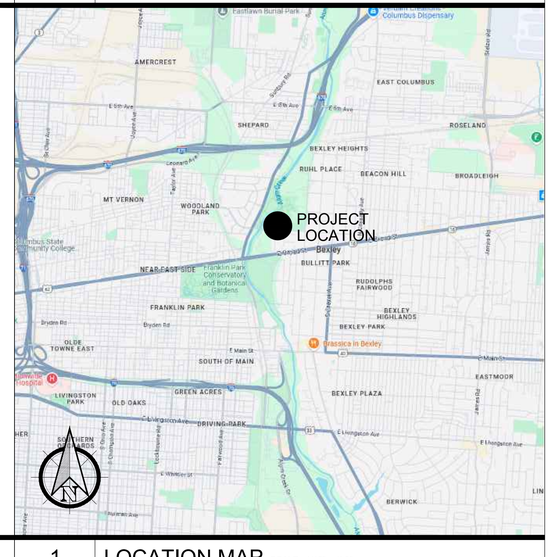
1. ALL MATERIALS ARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, INDUSTRY STANDARD AND APPLICABLE CODES
2. ANY CONFLICTS WITH MATERIALS AND INSTALLATION SHOULD BE REPORTED TO THE ARCHITECT IMMEDIATELY IN WRITING FOR CORRECTION OR CLARIFICATION.
3. AIR BARRIER & INSULATION INSTALLATION TO COMPLY WITH 2019 RCO TABLE 1102.4.1.1
4. PROVIDE STUD GUARDS WHERE ANY PIPING IS LESS THAN 1 1/2" FROM FACE OF STUD.
5. ALL JOINTS, SEAMS, PENETRATIONS, OPENINGS BETWEEN WINDOWS AND DOOR AND THEIR RESPECTIVE FRAMING, AND OTHER SOURCES OF AIR LEAKAGE (INFILTRATION AND EXFILTRATION) THROUGH THE BUILDING ENVELOPE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, WRAPPED OR OTHERWISE SEALED.
6. APPROVED CORROSION-RESISTIVE FLASHING SHALL BE PROVIDED IN THE EXTERIOR WALL ENVELOPE IN SUCH A MANNER AS TO PREVENT ENTRY OF WATER INTO THE WALL CAVITY OR PREVENTION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS. THE FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH AND SHALL BE INSTALLED TO PREVENT WATER FROM RE-ENTERING THE EXTERIOR WALL ENVELOPE. APPROVED CORROSION-RESISTANT FLASHING SHALL BE INSTALLED AT ALL OF (BUT NOT LIMITED TO) THE FOLLOWING LOCATIONS:
   A. AT TOP OF ALL EXTERIOR DOOR AND WINDOW OPENINGS IN SUCH A MANNER AS TO BE LEAK-PROOF.
   B. AT THE INTERSECTION OF CHIMNEYS OR ANY OTHER MASONRY WITH FRAME OR STUCCO WALLS, W/ PROJECTING LIPS.
   C. UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND SILLS.
   D. WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY OF WOOD FRAME CONSTRUCTION.
   E. AT ALL WALL AND ROOF INTERSECTIONS
   F. ALL EXTERIOR PENETRATIONS INCLUDING BUT NOT LIMITED TO, EXHAUSTS / VENTS, INTAKES, CONDUITS, WIRES, PLUMBING, & CONDENSER LINES
   G. LOCATIONS WHERE DISSIMILAR MATERIALS ABUT, CARE IS TO BE TAKEN TO FLASH, CAULK, OR OTHERWISE SEAL TO PREVENT PENETRATION AT JOINTS



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



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



1 LOCATION MAP SCALE: 1/16" = 1'-0"

INDEX OF DRAWINGS

CODE INFORMATION

APPLICABLE CODES:
- 2024 OHIO BUILDING CODE / 2019 RCO
- 2024 OHIO MECHANICAL CODE
- 2024 OHIO PLUMBING CODE
- 2023 NFPA 70 NATIONAL ELECTRICAL CODE
- 2024 EXISTING BUILDING CODE - CH 5 PRESCRIPTIVE METHOD
- 2021 OHIO ENERGY CODE - CHAPTER 5 - C501.4

BUILDING DATA:
- USE GROUP: R-2
- CONSTRUCTION TYPE: VB
- # OF STORIES: 2

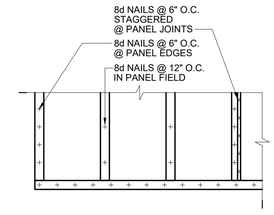
FIRE PROTECTION:
- BUILDING IS NOT EQUIPPED WITH A SPRINKLER SYSTEM
- BUILDING IS NOT EQUIPPED WITH A FIRE ALARM SYSTEM

INTERIOR WALL AND CEILING REQUIREMENTS (OBC TABLE 803.13):
- EXIT PASSAGEWAYS: B
- CORRIDORS: B
- ROOMS & ENCLOSED SPACES: C

FIRE RATED NOTES

1. SLEEVE AND / OR FIRE STOP ALL NEW PENETRATIONS THROUGH RATED WALLS, FLOORS AND CEILINGS IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS AND MANUFACTURER SPECIFICATIONS.
2. ALL EXISTING FIRE PENETRATIONS DISTURBED DURING CONSTRUCTION SHALL BE BROUGHT UP TO APPLICABLE CODE REQUIREMENTS.
3. ALL PENETRATIONS THROUGH RATED ASSEMBLIES ARE TO BE COMPLETED IN COMPLIANCE WITH AN UL APPROVED AND TESTED PENETRATION DETAIL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE IF THE UL PENETRATION DETAIL(S) ARE COMPATIBLE, EQUAL TO OR BETTER THAN THE RATED ASSEMBLY, AND MEETS ALL REQUIREMENTS OF APPROVED UL PENETRATION DETAIL(S) USED.
4. ALL JOINTS IN FIRE RATED ASSEMBLIES TO BE SEALED WITH 3M FIRE BARRIER SEALANT FD 150+ PER MANUFACTURER SPECIFICATIONS

WALL SHEATHING ATTACHMENT



#	DATE	ISSUED WITH: CHANGE DESCRIPTION

102 BISHOP SQ

BEXLEY, OHIO 43209
FIRE DAMAGE RESTORATION
PREPARED FOR:

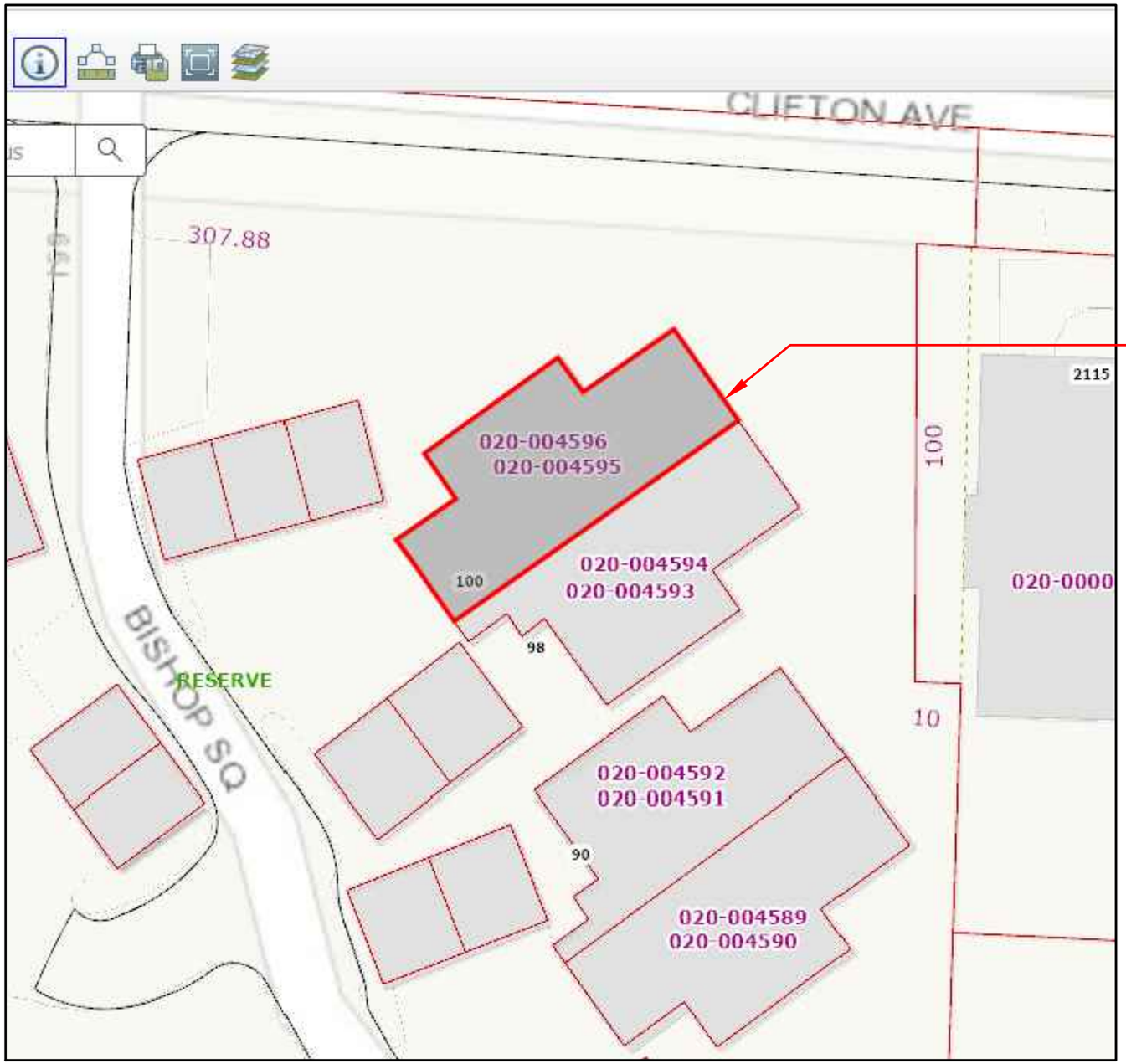
SERVPRO®
Fire & Water - Cleanup & Restoration™

SBA STUDIOS
ARCHITECTURAL DESIGN
614.562.7761 WWW.SBA-STUDIOS.COM

STATE OF OHIO
SCOTT D. BAKER
14654
REGISTERED ARCHITECT
PRELIMINARY NOT FOR CONSTRUCTION

SCOTT D. BAKER, LICENSE #14654
EXPIRATION DATE 12/31/2025

SCALE:	1/4" = 1'-0" (U.N.O.)
SHEET # / DESCRIPTION	
PLANS / SECTION	
	A1-1
DATE:	02.12.2025
CONSTRUCTION DOCUMENTS	
SBA STUDIOS PROJECT #	2024-172



AREA OF DAMAGE