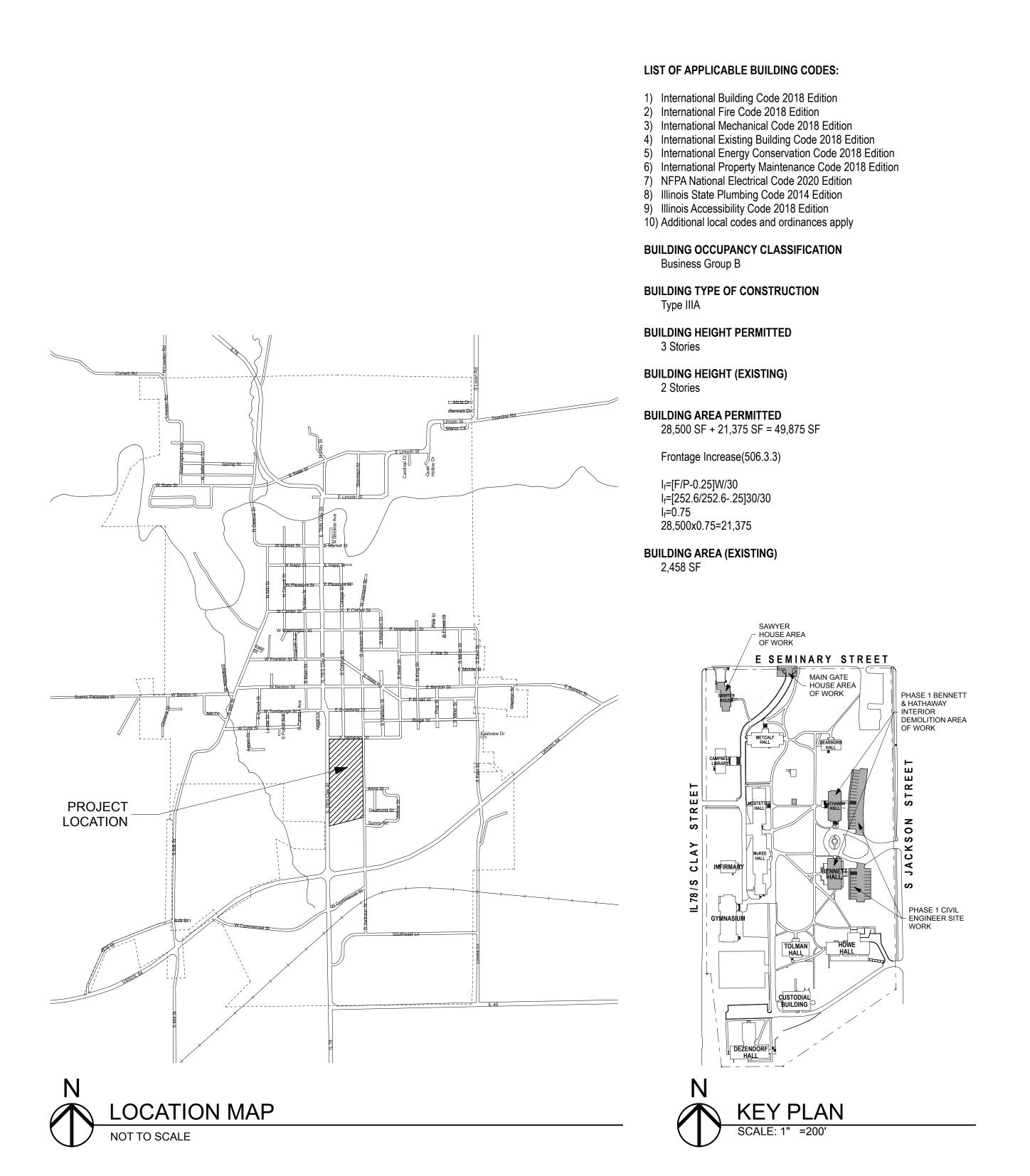
SHIMER SQUARE

PHASE I - RBIG REHABILITATION

S CLAY ST, MOUNT CARROLL, IL 61053



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SCOPE OF WORK

PHASE 1 CIVIL ENGINEERING SITE WORK

REMOVE EXISTING HMA PAVEMENT, TREES, CONCRETE WALKS FOR NEW UNDERGROUND UTILITY WORK, NEW PAVING, STORM WATER DETENTION BASINS PER CIVIL ENGINEERING DRAWINGS.

SAWYER HOUSE REHABILITATION

REMOVE ASBESTOS FROM BASEMENT AREA. EXISTING BOILER TO BE REMOVED / REPLACED IN BASEMENT.

EXISTING FLOOR JOISTS TO HAVE NEW FLOOR JOISTS SISTERED TO THEM PER PLAN.

ELECTRICAL TO BE UPGRADED TO MEET CODE. GFCI/AFCI BREAKERS TO BE ADDED TO ALL OUTLETS. ALL WIRING TO BE UPGRADED WHERE REQUIRED TO PROVIDE GROUNDING WIRE TO ALL DEVICES. ALL 2

PRONG OUTLETS TO BE REPLACED WITH 3 PRONG TAMPER PROOF OUTLETS. NEW PHONE AND ETHERNET WIRES TO BE INSTALLED IN FIRST FLOOR OFFICE AND SECOND FLOOR CONFERENCE ROOM.

PLASTER TO BE REPAIRED AND RESTORED WHERE REQUIRED. ALL WALLS TO BE REPAINTED AND WOOD FLOORS TO BE REFINISHED.

CONSTRUCT NEW ADA ACCESSIBLE SINGLE USER TOILET ON FIRST FLOOR AND RECONFIGURE EXISTING

EXISTING WOOD ADA RAMP TO BE REMOVED AND REPLACED TO MATCH EXISTING. ALL ALUMINUM STORM WINDOWS TO BE REMOVED, CLEANED, INSPECTED, REPAIRED AS REQUIRED AND REINSTALLED. ALL WOOD WINDOWS SASHES TO BE CLEANED, INSPECTED, REPAIRED / REGLAZED AS REQUIRED AND REPAINTED. ALL DOORS & STORM DOORS TO BE CLEANED, INSPECTED, REPAIRED AS REQUIRED AND REPAINTED. ALL WOOD TRIM AND METAL RAILINGS TO BE CLEANED, INSPECTED, REPAIRED / REPLACED AS REQUIRED AND

ALL EXISTING SLATE TILE ROOFING TO BE REMOVED AND REPLACED WITH NEW SHINGLES. ALL EXISTING RUBBER ROOFING (AND UNDERLAYMENT IF REQUIRED) TO BE REMOVED AND REPLACED WITH NEW SINGLE PLY MEMBRANE ROOFING. ALL INTERNAL ROOF GUTTERS TO BE CLEANED AND INSPECTED, REPAIRED OR

ALL MASONRY TO BE CLEANED AND INSPECTED, REPAIRED OR REPLACED AS REQUIRED WITH MATCHING BRICKS. ALL MORTAR JOINTS TO CLEANED AND INSPECTED, REPOINTED AS REQUIRED. ALL CHIMNEYS ABOVE THE ROOFLINE TO BE GROUND OUT AND FULLY TUCKPOINTED..

ALL CAULK BETWEEN MASONRY AND WOODWORK TO BE REMOVED AND REPLACED PRIOR TO PAINTING OF WOODWORK.

MAIN GATE REHABILITATION

ALL MASONRY AND STONEWORK TO BE CLEANED AND INSPECTED - ANY DAMAGED OR MISMATCHED BRICK / STONE TO BE REMOVED AND REPLACED WITH NEW TO MATCH EXISTING. ALL MORTAR JOINTS TO BE GROUND OUT AND FULLY TUCKPOINTED.

ALL METALWORK TO BE CLEANED AND INSPECTED INCLUDING HINGES. DAMAGED PARTS TO BE REPLACED. CRACKED OR DAMAGE WELDS TO BE STRIPPED TO BARE METAL AND RE-WELDED. REMOVE ALL LOOSE PAINT TO BE REMOVED. ALL AREAS OF RUST / CORROSION TO BE CLEANED TO BARE METAL AND PREPPED / SEALED WITH EPOXY PRIMER. ALL METALWORK TO BE PREPPED / PAINTED WITH EPOXY PAINT

LIGHT FIXTURES TO BE CLEANED, INSPECTED AND REPAIRED AS REQUIRED TO MATCH EXISTING. REFINISH ALL METALWORK PER ABOVE NOTES. ELECTRICAL CONDUIT AND WIRING TO BE INSPECTED AND REPAIRED / REPLACED AS REQUIRED.

PHASE 1 BENNETT AND HATHAWAY HALL INTERIOR DEMOLITION

REMOVE INTERIOR FINISHES (NO EXTERIOR WORK) INCLUDING WALLS, PLASTER FURRING, DOORS, CEILINGS, FLOORING (HARDWOOD FLOORING TO REMAIN UNLESS NOTED OTHERWISE), MOULDING / TRIMWORK, BUILT-IN MILLWORK PER PLANS. SEE PLANS FOR INTERIOR TREATMENT LÉGEND AND HISTORIC TREATMENT KEY PLANS, NOTES AND DEFINITIONS TO STRICTLY FOLLOW. PROVIDE TEMPORARY SUPPORT FOR REMOVAL OF INTERIOR FLOOR STRUCTURE FOR 2 STORY DWELLING UNITS AND OTHER AREAS AS NOTED.



BARANSKI HAMMER MORETTA & SHEEHY ARCHITECTS AND PLANNERS

> 1101 BENCH STREET GALENA, IL 61036

> Phone: 815-777-3960

LICENSE EXPIRATION DATE

hearby certify that these drawings were prepared by me or under my direct supervision and control and to the best of my knowledge and belief comply with the requirements of applicable building codes in the City of Mount Carroll



Drawn by: WGB

Checked by: DJM

Project No.: BH2221

ISSUED FOR BID SET

SHIMER SQUARE

PHASE 1 - RBIG **REHABILITATION** S CLAY ST, MOUNT CARROLL, IL 61053

COVER SHEET

T1.1

PROJECT NOTE:

NOTES SHOULD BE CONSIDERED APPLICABLE TO ALL TRADES.

APPROVED STREET NUMBERS OR ADDRESSES SHALL BE PROVIDED, VISIBLE FROM THE STREET FRONT.

REQUIRED SEPARATIONS:

30 MINUTES BETWEEN HABITABLE SPACE AND GARAGE WITH SOLID CORE OR 20 MINUTE EQUAL DOOR. SEE NOTES ELSEWHERE.

FIRE PROTECTION SYSTEM:

NONE REQUIRED

DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE:

BARANSKI HAMMER MORETTA & SHEEHY SHALL BE THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WITHIN THE CONTEXT OF THE MEANING OF IBC SECTION 106.3.4.1. RESPONSIBILITIES SHALL INCLUDE REVIEW AND COORDINATION OF SUBMITTAL DOCUMENTS PREPARED BY OTHERS SUCH AS PHASED AND DEFERRED SUBMITTAL ITEMS FOR COMPATIBILITY WITH THE DESIGN OF THE BUILDING.

DEFERRED SUBMITTALS:

DESIGNS, DRAWINGS AND CALCULATIONS FOR MANUFACTURER'S PREFABRICATED WOOD TRUSSES SHALL BE COMPLETED BY A PROFESSIONAL LICENSED TO PRACTICE IN THE STATE OF ILLINOIS AND SUBMITTED AS A DEFERRED SUBMITTAL TO THE ARCHITECT AND ENGINEER OF RECORD FOR THEIR REVIEW AND COMMENT PRIOR TO ANY FABRICATION OR DELIVERY OF SUCH MATERIALS TO THE JOB SITE. UPON REVIEW, THE DEFERRED SUBMITTAL SHALL BE FORWARDED TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN OF THE BUILDING. TRUSSES MAY NOT BE FABRICATED OR INSTALLED UNTIL THE BUILDING OFFICIAL HAS APPROVED THE DEFERRED SUBMITTAL IN WRITING. IBC 106.3.4.2.

GENERAL

- A. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT DISCREPANCIES IN THE DRAWINGS TO THE ARCHITECT IN WRITING PRIOR TO COMMENCEMENT OF WORK. COMMENCEMENT OF WORK SHALL INDICATE CONTRACTOR HAS VISITED THE SITE AND HIS ACCEPTANCE OF THE DRAWINGS AND SITE CONDITIONS.
- B. WRITTEN DIMENSIONS ON DRAWINGS SHALL TAKE PRECEDENCE. DRAWINGS SHALL NOT BE SCALED TO OBTAIN
- C. THE ARCHITECT DOES NOT HAVE CONTROL, CHARGE OF OR RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES; OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR SHALL REMAIN RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE SUBCONTRACTORS, SUBSUBCONTRACTORS, SUPPLIERS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE INTENT OF THE DRAWINGS AND CONTRACT DOCUMENTS.
- D. CONTRACTOR SHALL OBTAIN AND MAINTAIN ALL REQUIRED LICENSES, APPROVALS, PERMITS AND CALL FOR REQUIRED INSPECTIONS AND SHALL BE RESPONSIBLE FOR THE SAME FOR HIS SUBCONTRACTORS, SUB-SUBCONTRACTORS AND MATERIAL SUPPLIERS.
- F. ALL PROJECT NOTES ARE INTENDED AS AN AID IN COMMUNICATION FOR THE BUILDING PROCESS. EACH TRADE SHOULD READ ALL SECTIONS FOR INFORMATION WHICH MAY AFFECT THAT TRADE. NOTIFY ARCHITECT OF ANY CONFLICTS.

E. PROVIDE MANUFACTURER'S INSTALLATION SPECIFICATIONS AND INSTRUCTIONS ON SITE FOR INSPECTOR'S REVIEW AND

G. APPROVED STREET NUMBERS OR ADDRESSES SHALL BE PROVIDED, VISIBLE FROM THE STREET FRONT. R321.1

LOCATION ON PROPERTY

EXTERIOR WALLS LOCATED LESS THAN 3 FEET FROM AN ASSUMED OR ACTUAL PROPERTY LINE SHALL BE ONE HOUR CONSTRUCTION. PROJECTIONS EXTENDING INTO THE FIRE SEPARATION DISTANCE SHALL BE ONE HOUR CONSTRUCTION ON THE UNDERSIDE. PROVISIONS TO NOT APPLY TO WALLS OR PROJECTIONS WHICH ARE PERPENDICULAR TO THE LOT LINE. R302.1 ZONING RESTRICTIONS MAY INCREASE REQUIRED SEPARATION DISTANCES. SEE SITE PLAN.

OPENINGS ARE NOT PERMITTED IN THE FIRE SEPARATION DISTANCE (WITHIN 3 FEET) EXCEPT FOR FOUNDATION VENTS. OPENINGS ARE PERMITTED IN WALLS WHICH ARE PERPENDICULAR TO THE LOT LINE. R302.2

PENETRATIONS IN AN EXTERIOR WALL LOCATED LESS THAN 3 FEET TO THE PROPERTY LINE SHALL BE PROTECTED BY ONE HOUR ASSEMBLIES R302.3, R317.3

FOR REQUIRED OPENNESS FOR NATURAL LIGHT AND VENT INTO THERMALLY ISOLATED SUNROOM OR PATIO COVER SHALL BE 1/10TH THE FLOOR AREA OF THE INTERIOR ROOM BUT NOT LESS THAN 20 SF. R303.2 REQUIRED GLAZED OPENINGS MAY FACE INTO A ROOFED PORCH WHERE THE PORCH ABUTS A STREET, YARD OR COURT AND THE LONGER SIDE OF THE PORCH IS AT LEAST 65% OPEN AND UNOBSTRUCTED AND THE CEILING HEIGHT IS NOT LESS THAN 7 FEET. R303.7.1

THE MINIMAL HABITABLE AREA SIZE IN EACH DWELLING UNIT SHALL INCLUDE ONE ROOM NOT LESS THAN 120 SQUARE FEET AND OTHER HABITABLE ROOMS OF NOT LESS THAN 70 SQUARE FEET WITH NO ROOM LESS THAN 7 FEET WIDE. KITCHENS ARE EXEMPT FROM THIS AREA REQUIREMENT. R304

THE MINIMUM CEILING HEIGHT SHALL BE AT LEAST 7 FEET EXCEPT THAT THE CEILING HEIGHTS IN NON-HABITABLE BASEMENTS MAY BE 6'-8" AND AREAS ABOUVE FIXTURES AND WITHIN THE FRONT CLEARANCE OF FIXTURES IN BATHROOMS MAY BE 6'-8". ROOMS WITH SLOPED CEILINGS MUST HAVE MORE THAN 50% OF THE AREA OF THE CEILING AT OR ABOVE 7 FEET AND NO PORTION OF THE REQUIRED FLOOR AREA BELOW 5 FEET. R305.1

INSULATION

EXTERIOR WALLS AND CEILINGS SHALL HAVE THE MINIMUM REQUIRED R-VALUE LISTED IN TABLES C402.1.3 AND C402.4, 2018 IECC. CARROLL COUNTY IL IS ZONE 5A.

GLAZING U FACTOR - FIXED

GLAZING U FACTOR - OPERABLE

GLAZING U FACTOR - ENTRANCE DOORS

BELOW GRADE WALLS

AROVE GRADE WALLS

R-20

ABOVE GRADE WALLS
SLAB (UNHEATED)
SLAB (HEATED)
R-10 FOR 24" BELOW
SLAB (HEATED)
R-15 FOR 24" BELOW AND R-5 UNDER ENTIRE SLAB
FRAMED FLOOR OVER UNCONDITIONED SPACE
ATTIC
R-38
INSULATION ABOVE ROOF DECK
R-30
R-30

FOAM PLASTIC INSULATION (CLOSED CELL) WHEN USED SHALL COMPLY WITH SECTION 7(15-12-250) CBC. FOAM PLASTIC INSULATION SHALL BE PROVIDED WITH A 15 MIN. THERMAL BARRIER (1/2" GYPSUM MINIMUM).

PROVIDE MINERAL WOOL SOUND ATTENUATION BLANKETS IN ALL WALLS AND FLOORS SEPARATING BEDROOMS AND LIVING SPACES FROM BASEMENT, BATHROOMS, MECHANICAL ROOMS, HALLS, STAIRS AND PLUMBING WALLS AND AS INDICATED IN THE CONSTRUCTION DOCUMENTS.

R-4.75

EXIT AND EGRESS / GARAGE SEPARATION

DOORS (NON-SWING)

ALL REQUIRED MEANS OF EXIT OR EGRESS SHALL BE OPENABLE FROM THE INSIDE OF THE BUILDING WITHOUT THE USE OF A KEY, TOOLS OR SPECIAL KNOWLEDGE OR EFFORT.

OPENINGS FROM A GARAGE DIRECTLY TO A ROOM USED FOR SLEEPING PURPOSES ARE NOT PERMITTED. OTHER OPENINGS FROM A GARAGE TO A RESIDENCE SHALL BE PROTECTED WITH A SOLID WOOD DOOR, SOLID CORE OR HONEY-COMB CORE DOOR NOT LESS THAN 1 3/8" THICK OR A 20 MINUTE FIRE-RATED DOOR. THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BELOW HABITABLE SPACE SHALL BE PROTECTED WITH 5/8" TYPE X GYPSUM BOARD CEILINGS AND THE STRUCTURAL SUPPORTS FOR THE FLOOR SYSTEM SHALL BE PROTECTED WITH 5/8" GYPSUM BOARD. DUCT WORK PENETRATING WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL BE 26 GAUGE SHEET METAL AND SHALL HAVE NO OPENINGS INTO THE GARAGE

EGRESS FROM EACH SLEEPING ROOM SHALL BE BY AT LEAST ONE WINDOW OR DOOR WITH A FINISHED SILL HEIGHT OF LESS THAN 44 INCHES ABOVE THE FLOOR. THE SIZE OF THE OPENING SHALL BE 5.7 SQUARE FEET OPENABLE EXCEPT FOR AT GRADE FLOOR WHERE THE SIZE MAY BE 5.0 SQUARE FEET OPENABLE. WHEN WINDOW WELLS ARE USED, THE MINIMUM HORIZONTAL AREA OF THE WINDOW WELL SHALL BE 9 SQUARE FEET WITH A MINIMUM HORIZONTAL PROJECTION OF 36 INCHES. WHEN THE VERTICAL DEPTH OF A WINDOW WELL EXCEEDS 44 INCHES, THE WELL SHALL BE EQUIPPED WITH A PERMANENT LADDER. THE LADDER SHALL HAVE A MINIMUM INSIDE WIDTH OF 12 INCHES, SHALL PROJECT AT LEAST 3 INCHES FROM THE WALL AND SHALL HAVE RUNGS NOT MORE THAN 18 INCHES HIGH TO THE FULL HEIGHT OF THE WELL. THE LADDER MAY ENCROACH INTO THE CLEAR SPACE OF THE WINDOW WELL A MAXIMUM OF 6 INCHES.

AT LEAST ONE SIDE HINGED EXIT DOOR 3'-0" WIDE AND 6'-8" HIGH IS REQUIRED AND SHALL BE LOCATED SUCH THAT ACCESS IS NOT THROUGH A GARAGE. A FLOOR OR LANDING 36" DEEP AND AT LEAST THE WIDTH OF THE DOOR IT SERVES IS REQUIRED ON EACH SIDE OF AN EXTERIOR DOOR. THE EXIT DOOR FLOOR OR LANDING SHALL NOT BE MORE THAN 1.5 INCHES LOWER THAN THE TOP OF THE THRESHOLD. OTHER DOORS MAY HAVE A LANDING ON THE EXTERIOR NOT LOWER THAN 7.75 INCHES THAN THE TOP OF THE THRESHOLD PROVIDED THE DOOR (EXCEPT A SCREEN/STORM DOOR) DOESN'T SWING OVER THE

STAIRS, HANDRAILS AND GUARDRAILS

LANDING.

STAIRWAYS SHALL NOT BE LESS THAN 36 INCHES IN CLEAR WIDTH ABOVE THE PERMITTED HANDRAIL HEIGHT. HANDRAILS SHALL NOT PROJECT INTO THE MINIMUM CLEAR WIDTH MORE THAN 4.5 INCHES ON EITHER SIDE INCLUDING TREADS AND LANDINGS WHICH SHALL NOT BE LESS THAN 31.5 INCHES WHERE A HANDRAIL IS INSTALLED ON ONE SIDE OR 27 INCHES WHERE HANDRAILS ARE INSTALLED ON BOTH SIDES. MINIMUM HEADROOM SHALL BE 6'-8". MAXIMUM RISER HEIGHT IS 7.75 INCHES AND MINIMUM RUN SHALL BE 10 INCHES. A NOSING OF AT LEAST 3/4 INCH AND NOT MORE THAN 1 1/4 INCH SHALL BE PROVIDED ON STAIRS UNLESS THE TREAD RUN IS 11 INCHES OR MORE. OPEN RISERS ARE PERMITTED IF THE OPENING IS LESS THAN 4" UNLESS THE STAIRWAY IS 30 INCHES OR LESS IN OVERALL RISE. A FLOOR OR LANDING IS REQUIRED AT THE TOP AND BOTTOM OF ALL STAIRS EXCEPT THE TOP OF AN INTERIOR FLIGHT OF STAIRS IF A DOOR DOES NOT SWING OVER THE STAIR. STAIR MAXIMUM RISE SHALL BE 12' BETWEEN LANDINGS. THE WIDTH OF A LANDING SHALL BE THAT OF THE STAIR AND 36 INCHES IN LENGTH. WALKING SURFACES OF STAIRS AND LANDINGS MAY BE PITCHED A MAXIMUM OF 1/4 INCH PER FOOT.

HANDRAILS SHALL BE PROVIDED AND SHALL BE CONTINUOUS EXCEPT WHERE INTERRUPTED BY A NEWEL POST AT A TURN. HANDRAILS SHALL BEGIN DIRECTLY ABOVE THE TOP AND BOTTOM RISER. HANDRAIL ENDS SHALL TERMINATE IN NEWEL POSTS OR BE RETURNED TO THE WALL. HANDRAILS ARE REQUIRED WHERE STAIRS ARE 4 OR MORE RISERS. THERE SHALL BE AT LEAST 1 1/2 INCHES BETWEEN THE GRIPPING SURFACE OF THE HANDRAIL AND THE WALL. THE MINIMUM HANDRAIL CROSS SECTION SHALL BE 1 1/4 INCH AND THE MAXIMUM 2 1/4 INCH. THERE ARE OTHER STANDARDS FOR SHAPED PROFILES. HANDRAIL HEIGHT SHALL BE BETWEEN 34" AND 38" ABOVE THE NOSINGS OF THE TREADS.

GUARDRAILS (AKA GUARDS) SHALL BE PROVIDED ON PORCHES, SCREENED PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED 30 INCHES OR MORE ABOVE THE FLOOR OR GRADE BELOW. GUARDRAILS AT THE OPEN SIDES OF STAIRS SHALL BE NOT LESS THAN 34 INCHES ABOVE THE NOSINGS AND THE SPACE CREATED BY THE RAIL, NOSING AND RISER SHALL NOT ALLOW A 6" SPHERE TO PASS THROUGH. GUARDRAILS SHALL BE 36 INCHES IN HEIGHT. THE MAXIMUM SPACE BETWEEN THE INTERMEDIATE GUARDS OR RAILS SHALL BE SUCH THAT A 4 INCH SPHERE WILL NOT PASS THROUGH.

VENTILATION OF INSULATED SPACE

VAPOR BARRIERS ARE REQUIRED ON THE WARM SIDES OF WALLS, FLOORS AND CEILINGS OF ROOF/CEILING ASSEMBLIES IN ILLINOIS. EXCEPT THAT ATTICS WHICH ARE VENTILATED TO ALLOW MOISTURE TO ESCAPE WILL NOT NEED A VAPOR BARRIER AT THE CEILING.

ENCLOSED ATTICS AND ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS SHALL BE PROVIDED WITH CROSS VENTILATION USING CORROSION-RESISTANT WIRE MESH HAVING BETWEEN 1/8" AND 1/4" OPENINGS. THE TOTAL NET AREA OF VENTILATING AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE SPACE BEING VENTILATED EXCEPT THAT THE TOTAL AREA MAY BE PERMITTED TO BE REDUCED TO 1/300 PROVIDED THAT AT LEAST 50% AND NOT MORE THAN 80% OF THE UPPER PORTION OF THE AREA BEING VENTILATED AND AT LEAST 3 FEET ABOVE EAVE OR CORNICE VENTS WITH THE BALANCE PROVIDED BY EAVE OR CORNICE VENTS. AN ALTERNATIVE PROVISION FOR VENTILATION OF 1/300 MAY BE USED WHEN A VAPOR BARRIER HAVING A TRANSMISSION RATE NOT EXCEEDING 1 PERM IS INSTALLED ON THE WARM SIDE OF THE CEILING. MAINTAIN A MINIMUM OF 1 INCH CLEARANCE BETWEEN ROOF SHEATHING AND INSULATION AT THE LOCATION OF THE VENTED SPACE.

FOUNDATION AND GRADE

GRADE SHALL FALL AWAY FROM FOUNDATIONS AT LEAST 6 INCHES IN THE FIRST 10 FEET.

WOOD SOLE PLATES AT EXTERIOR WALLS SHALL BE PRESSURE TREATED MINIMUM 2 INCH THICK (NOMINAL THICKNESS) AND ANCHORED TO THE FOUNDATION WITH ANCHOR BOLTS CAST INTO THE FOUNDATION SPACED 5 FEET ON CENTER AND WITHIN 12 INCHES OF ANY CORNER. INSTALL EXPANDED FOAM SILL SEAL BETWEEN PLATES AND FOUNDATION. BOLTS SHALL BE PLACED NOT MORE THAN 12 INCHES NOR LESS THAN 6 1/2 INCHES FROM THE END OF THE PLATE. THERE MUST BE A MINIMUM OF 2 BOLTS PER SECTION OF PLATE. BOLTS SHALL BE EMBEDDED INTO THE FOUNDATION A MINIMUM OF 7 INCHES AND EXTEND A MINIMUM OF 2 1/2 INCHES ABOVE THE SURFACE OF THE CONCRETE.

ALL WOOD BLOCKING IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED.

CONCRETE AND MASONRY FOUNDATIONS WALLS SHALL EXTEND ABOVE THE FINISHED GRADE ADJACENT TO THE FOUNDATION AT ALL POINTS A MINIMUM OF 4 INCHES WHERE MASONRY VENEER IS USED AND A MINIMUM OF 6 INCHES ELSEWHERE.

WHERE CEMENT PLASTER IS USED AS AN EXTERIOR FINISH OVER WOOD FRAMING, WEEP SCREEDS OF #26 GALVANIZED SHEET GAGE CORROSION RESISTANT STEEL OR PLASTIC SHALL BE INSTALLED WITH A MINIMUM VERTICAL ATTACHMENT FLANGE OF 3 1/2" AT OR BELOW THE FOUNDATION PLATE LINE SUCH THAT A MINIMUM OF 4 INCHES ABOVE EARTH OR 2 INCHES ABOVE PAVEMENT SHALL BE MAINTAINED.

FOUNDATION OR FOOTING DRAINS SHALL BE PROVIDED WHERE FOUNDATIONS ENCLOSE USABLE OR HABITABLE SPACE BELOW GRADE. DRAIN PIPES SHALL BE PERFORATED FLEXIBLE PVC AND SHALL BE BEDDED AT LEAST 2 INCHES IN CLEAN CRUSHED ROCK (SEPTIC ROCK) AND SHALL BE COVERED WITH AT LEAST 6 INCHES OF THE SAME. THE PERFORATED DRAIN PIPE SHALL BE COVERED WITH FILTER FABRIC BEFORE BURIAL TO PREVENT FINES FROM ENTERING THE PIPE. THE CRUSHED ROCK FIELD FOR DRAINAGE SHALL EXTEND 1 FOOT FROM THE OUTSIDE EDGE OF THE FOOTING AND 6 INCHES ABOVE THE TOP OF THE FOOTING WHEN COMPLETED. IN EXTREMELY WET ENVIRONMENTS OR WHEN INDICATED ON THE DRAWINGS, A SECOND SYSTEM OF DRAIN TILE SHALL BE INSTALLED ON THE INSIDE OF THE FOOTINGS BELOW THE CONCRETE FLOOR. IN EITHER CASE, FOUNDATION OR FOOTING DRAINS SHALL DRAIN TO DAYLIGHT AND AN APPROPRIATE SUMP JAR SHALL BE INSTALLED IN A LOWER LEVEL MECHANICAL OR ELECTRICAL ROOM AS WELL. IF SUBSURFACE SPRINGS ARE SUSPECTED, NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IMMEDIATELY. IN AREAS WHERE EXPANSIVE OR COLLAPSIBLE SOILS ARE KNOWN TO EXIST, ALL DWELLINGS SHALL HAVE A CONTROLLED METHOD OF WATER DISPOSAL FROM ROOFS THAT WILL COLLECT AND DISCHARGE ALL ROOF DRAINAGE TO THE GROUND SURFACE AT LEAST 5 FEET FROM THE FOUNDATION WALLS OR TO AN APPROVED DRAINAGE SYSTEM.

A. FOUNDATION TYPES AND DESIGNS MAY VARY DEPENDING UPON INDIVIDUAL SOILS CONDITIONS ON EACH LOT. THE ARCHITECT DOES NOT WARRANT OR GUARANTEE THIS FOUNDATION DESIGN IN LOCATIONS WHERE INADEQUATE SOILS, UNREGULATED LAND FILLS OR UNCOMPACTED FILLS HAVE OCCURRED. ANY SUCH OCCURRENCES SHALL REQUIRE SPECIAL OR ADDITIONAL DESIGN FOR STRUCTURE OR GAS MITIGATION.

B. ALL NECESSARY DESIGN REVISIONS, ENGINEERING, INSTALLATION AND LIABILITY OF ACTUAL SOIL CONDITIONS, POSSIBLE GAS MITIGATION AND STRUCTURAL DESIGNS DUE TO INADEQUATE SOILS OR LANDFILL OCCURRENCES SHALL BECOME THE RESPONSIBILITY OF THE "CONTRACTOR — DEVELOPER" OR IT'S SUBCONTRACTORS INVOLVED. THE ARCHITECT SHALL NOT BE HELD LIABLE OR RESPONSIBLE FOR WORK COMMENCED OR COMPLETED IN ERROR DUE TO ACTUAL SITE CONDITIONS, NOR SHALL THE ARCHITECT BE RESPONSIBLE FOR ANY COSTS OF DESIGN, ENGINEERING, OR REQUIRED REMEDIATION.

C. CONTRACTOR SHALL BE RESPONSIBLE FOR REVISED STEEL REINFORCING PER LOCAL CODE OR SPECIFIC SOIL CONDITIONS, WHICH EVER IS MORE RESTRICTIVE.

D. SOIL TESTS WHICH MAY BE REQUIRED BY THE LOCAL BUILDING DEPARTMENT SHALL BE COMPLETED AT THE CONTRACTORS EXPENSE BY AN APPROVED GEO-TECHNICAL ENGINEER PRIOR TO POURING ANY CONCRETE.
 E. CONCRETE FOUNDATIONS ARE DESIGNED TO BEAR ON AN ASSUMED SOIL CAPACITY OF 3000 P.S.F. AND SHALL BE PLACED ON FIRM, UNDISTURBED SOIL 3" TO 6" BELOW REQUIRED GRADE. CONTRACTOR SHALL REINFORCE CONCRETE FOOTINGS AND

POURED CONCRETE WALLS AS REQUIRED FOR SPECIFIC SOIL CONDITIONS OR LOCAL CODES, WHICH EVER IS MORE RESTRICTIVE.

F. CONCRETE MIX SHALL BE SUCH THAT IT WILL ATTAIN A COMPRESSIVE STRENGTH OF 3000 P.S.I. IN 28 DAYS.

G. PROVIDE TYPICAL ASPHALT IMPREGNATED EXPANSION JOINTS WHERE EXTERIOR SLABS (SIDEWALKS, PATIOS, ETC) ABUT FOUNDATION WALLS.

H. PROVIDE TOOLED OR "ZID STRIP" CONTROL JOINTS @ 20', 0", O.C. MAY EACH WAY IN ALL SLABS, INTERIOR OR EXTERIOR.

H. PROVIDE TOOLED OR "ZIP STRIP" CONTROL JOINTS @ 20'-0" O.C. MAX EACH WAY IN ALL SLABS, INTERIOR OR EXTERIOR.

I. FOUNDATION OR FOOTING DRAINS SHALL BE PROVIDED WHERE FOUNDATIONS ENCLOSE USABLE OR HABITABLE SPACE BELOW GRADE. DRAIN TILE SHALL BE PERFORATED FLEXIBLE PVC AND SHALL BE BEDDED AT LEAST 2 INCHES IN CLEAN CRUSHED ROCK (SEPTIC ROCK) AND SHALL BE COVERED WITH AT LEAST 6 INCHES OF THE SAME. THE PERFORATED DRAIN PIPE SHALL BE COVERED WITH FILTER FABRIC BEFORE BURIAL TO PREVENT FINES FROM ENTERING THE PIPE. THE CRUSHED ROCK FIELD FOR DRAINAGE SHALL EXTEND 1 FOOT FROM THE OUTSIDE EDGE OF THE FOOTING AND 6 INCHES ABOVE THE TOP OF THE FOOTING WHEN COMPLETED. FOUNDATION OR FOOTING DRAINS SHALL DRAIN TO DAYLIGHT AND AN APPROPRIATE SUMP JAR LOCATED IN A LOWER LEVEL MECHANICAL OR ELECTRICAL ROOM IF DAYLIGHT DRAIN IS NOT POSSIBLE. IF SUBSURFACE SPRINGS ARE SUSPECTED, NOTIFY THE ARCHITECT IMMEDIATELY.

J. A SECOND DRAIN TILE SHALL BE INSTALLED BELOW THE SLAB AT THE INTERIOR PERIMETER. THIS TILE SHALL NOT BE CONNECTED TO A SUMP PIT, BUT SHALL BE CONNECTED INSTEAD TO A 4 INCH SOLID PVC SCHEDULE 40 STUB WHICH WILL PENETRATE THE CONCRETE FLOOR IN SUCH A LOCATION AS TO BE CONCEALED IN CONSTRUCTION AND PROVIDE A PATH FOR THE CONTINUATION OF THE 4 INCH PIPE THROUGH THE ROOF FOR PASSIVE RADON MITIGATION. THE PIPE SO INSTALLED SHALL BE MARKED PERMANENTLY BOTH IN THE ATTIC AND AT INTERVALS WITHIN CONSTRUCTION TO IDENTIFY ITS PURPOSE. NO PLUMBING MAY BE CONNECTED TO SUCH PIPE. SOLID PIPING AND FLASHINGS TO BE PROVIDED AND INSTALLED BY THE PLUMBING SUBCONTRACTOR, TILE BELOW THE FLOOR TO BE PROVIDED AND INSTALLED BY THE EXCAVATION/DRAINAGE/CONCRETE SUBCONTRACTOR.

THE CONTRACTOR AND SUBCONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING FLOOR-TO-FLOOR ELEVATIONS. NEW BUILDING FLOOR SHALL ALIGN WITH EXISTING UNLESS OTHERWISE NOTED.

FOUNDATIONS SHALL BE DAMPPROOFED IN ACCORDANCE WITH R406. STANDARD DAMPPROOFING FOR MASONRY WALLS MAY CONSIST OF 3/8" PORTLAND CEMENT PARGING AND COATED WITH A BITUMINOUS COATING CONSISTING OF 3 POUNDS OF ACRYLIC MODIFIED CEMENT PER SQUARE YARD. STANDARD DAMPPROOFING FOR CONCRETE WALLS SHALL BE THE SAME AS FOR MASONRY EXCEPT THAT PARGING MAY BE OMITTED. WET CONDITION DAMPPROOFING FOR MASONRY OR CONCRETE WALLS SHALL EITHER A MEMBRANE CONSISTING OF 2-PLY HOT-MOPPED FELTS, 55 POUND ROLL ROOFING, 6-MIL PVC, 6-MIL POLYETHYLENE OR 40-MIL POLYMER-MODIFIED ASPHALT. THE JOINTS IN THE MEMBRANE SHALL BE LAPPED AND SEALED WITH AN ADHESIVE COMPATIBLE WITH THE MEMBRANE. AN APPROVED EQUAL MAY BE CONSIDERED.

EMBEDMENT OF PIPES OR CONDUITS IN CONSTRUCTION

CONDUITS, PIPES AND SLEEVES OF ANY MATERIAL NOT HARMFUL TO CONCRETE AND WITHIN THE LIMITATION OF ACI318, SECTION 6.3, ARE PERMITTED TO BE EMBEDDED IN CONCRETE WITH APPROVAL OF THE REGISTERED DESIGN PROFESSIONAL

FRAME CONSTRUCTION

(WOOD OR METAL) AT INTERVALS NOT EXCEEDING 8 FEET.

ACCESS TO UNDER FLOOR (CRAWL SPACE) AREAS SHALL BE 18 INCHES WIDE BY 24 INCHES HIGH IF THROUGH A FLOOR OR 16 INCHES WIDE BY 24 INCHES HIGH IF THOUGH A WALL. SEE MECHANICAL NOTES FOR ACCESS REQUIREMENTS TO MECHANICAL EQUIPMENT LOCATED UNDER FLOORS.

JOIST LAP OVER A BEARING SUPPORT SHALL BE 3" MINIMUM AND SHALL BE NAILED WITH 3 10D FACE NAILS.

JOISTS SHALL BE SOLIDLY BLOCKED WITH NOMINAL 2 INCH WOOD THE SAME DIMENSION AS THE JOIST OR DIAGONAL BRIDGING

JOISTS SHALL NOT BE DRILLED OR NOTCHED IN EXCESS OF THE FOLLOWING LIMITATIONS. NOTCHES ARE NOT PERMITTED WITHIN THE MIDDLE ONE THIRD OF THE SPAN ON EITHER THE TOP (COMPRESSION) OR BOTTOM (TENSION) EDGE OF THE JOIST. NOTCHES IN SOLID LUMBER LOCATED IN THE OUTER ONE THIRD OF THE SPAN SHALL NOT EXCEED ONE-SIXTH OF THE DEPTH OF THE JOIST AND SHALL NOT BE LONGER THAN ONE-THIRD THE DEPTH OF THE JOIST. NOTCHES AT THE END OF THE JOIST SHALL NOT EXCEED ONE-QUARTER THE DEPTH OF THE JOIST. THE TENSION SIDE OF MEMBERS WHICH ARE NOMINAL 4 INCHES IN THICKNESS OR GREATER MAY ONLY BE NOTCHED AT THE ENDS. THE DIAMETER OF HOLES BORED IN THE JOIST SHALL NOT EXCEED 1/3 THE DEPTH OF THE JOIST NOR SHALL THEY BE CLOSER THAN 2" TO AN EDGE OR TO ANOTHER HOLE OR A NOTCH. ENGINEERED LUMBER INCLUDING TRUSSES, LAMINATED VENEER LUMBER, GLUE-LAMINATED LUMBER OR I-JOISTS SHALL NOT BE BORED, NOTCHED, SPLICED OR ALTERED UNLESS THE EFFECTS OF SUCH PENETRATION OR ALTERATION ARE SPECIFICALLY CONSIDERED IN THE DESIGN OF THE MEMBER.

END JOINTS IN STRUCTURAL FLOOR SHEATHING SHALL OCCUR OVER SUPPORTS UNLESS END-MATCHED LUMBER IS USED IN WHICH CASE EACH PIECE SHALL BEAR ON AT LEAST TWO JOISTS. OTHERWISE, STRUCTURAL FLOOR SHEATHING SHALL BE INSTALLED SUCH THAT NO PIECE IS SUPPORTED BY LESS THAN 2 SPANS (THREE JOISTS). FLOOR SHEATHING SHALL BE 3/4" PLYWOOD. SPACING BETWEEN EACH PIECE SHALL BE MAINTAINED AS PER THE MANUFACTURER'S REQUIREMENTS.

WOOD STUDS SHALL BE PROVIDED WITH GRADE MARK AND SPECIES IDENTIFIED ON EACH MEMBER.

WALLS SHALL BE PROVIDED WITH A DOUBLE TOP PLATE TO PROVIDE OVERLAPPING AT CORNERS AND INTERSECTIONS WITH BEARING PARTITIONS. END JOINT IN TOP PLATES SHALL BE OFFSET AT LEAST 24 INCHES.

STUDS IN AN EXTERIOR WALL OR BEARING WALL SHALL NOT BE CUT OR NOTCHED EXCEEDING 25% OF THE WIDTH OF THE STUD. STUDS IN NON-BEARING WALLS MAY BE NOTCHED TO A DEPTH NOT TO EXCEED 40% OF THE STUD WIDTH. ANY STUD MAY BE BORED OR DRILLED PROVIDED THAT THE DIAMETER OF THE HOLE IS NO GREATER THAN 40% OF THE STUD WIDTH AND THE EDGE OF THE HOLE IS NOT CLOSER THAN 5/8" TO THE EDGE OF THE STUD OR LOCATED IN THE SAME SECTION WITH A NOTCH OR CUT.

WHEN PIPING OR DUCTWORK IS INSTALLED IN OR PARTLY IN AN EXTERIOR WALL OR INTERIOR LOAD BEARING WALL, NECESSITATING CUTTING, DRILLING OR NOTCHING OF THE TOP LATE BY MORE THAN 50% OF ITS WIDTH, A GALVANIZED METAL TIE OF NOT LESS THAN 0.054 INCHES THICK AND 1 1/2" WIDE SHALL BE FASTENED TO EACH PLATE ACROSS AND TO EITHER SIDE OF THE OPENING WITH NOT LESS THAN EIGHT 16D NAILS AT EACH SIDE OR EQUIVALENT.

FIRE BLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND THE ROOF SPACE. FIRE BLOCKING SHALL BE LOCATED IN CONCEALED SPACES OF STUD WALLS INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS AT THE CEILING AND FLOOR LEVELS AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET. FIRE BLOCKING SHALL BE LOCATED AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, FURRED CEILINGS, AND COVE CEILINGS; CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN; AT OPENINGS AROUND VENTS, PIPES, AND DUCTS AT CEILING AND FLOOR LEVELS; AT CHIMNEYS AND FIREPLACES AND AT THE CORNICES OF TOWNHOUSES OR DUPLEXES AT THE LINE OF DWELLING UNIT SEPARATION WALLS.

FIRE BLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND THE ROOF SPACE. FIRE BLOCKING SHALL BE LOCATED IN CONCEALED SPACES OF STUD WALLS INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS AT THE CEILING AND FLOOR LEVELS AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET. FIRE BLOCKING SHALL BE LOCATED AT ALL INTERCONNECTION BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, FURRED CEILINGS, AND COVE CEILINGS; CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN; AT OPENINGS AROUND VENTS, PIPES, AND DUCTS AT CEILING AND FLOOR LEVELS; AT CHIMNEYS AND FIREPLACES AND AT THE CORNICES OF TOWNHOUSES OR DUPLEXES AT THE LINE OF DWELLING UNIT SEPARATION WALLS.

DRAFT STOPPING SHALL BE PROVIDED IN ANY FLOOR SYSTEM WHERE THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF THE FLOOR/CEILING ASSEMBLY. DRAFT STOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1000 SF. AND SHALL DIVIDE THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS. DRAFT STOPPING MATERIAL SHALL NOT BE LESS THAN 1/2" GYPSUM BOARD OR 3/8" WOOD STRUCTURAL PANELS OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED. DRAFT STOPPING SHALL BE INSTALLED PARALLEL TO THE FLOOR FRAMING MEMBERS UNLESS OTHERWISE APPROVED BY THE BUILDING OFFICIAL.

CONTRACTOR AND SUBCONTRACTORS SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACINGS, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, TOILET ACCESSORIES AND OF ALL FLOOR-MOUNTED OR SUSPENDED MECHANICAL AND ELECTRICAL EQUIPMENT.

WOOD ROOF FRAMING SHALL BE IDENTIFIED BY A GRADE MARK OR A LUMBER GRADING OR INSPECTION AGENCY THAT HAS BEEN APPROVED BY AN ACCREDITATION BODY OR SHALL BE ACCOMPANIED BY A CERTIFICATE OF INSPECTION ISSUED BY A LUMBER GRADING OR INSPECTION AGENCY MEETING THE REQUIREMENTS OF THIS SECTION.

RAFTERS

RAFTERS SHALL NOT BE DRILLED OR NOTCHED IN EXCESS OF THE LIMITATIONS OF SECTION R802.7. NOTCHES ARE NOT PERMITTED WITHIN THE MIDDLE ONE THIRD OF THE SPAN ON EITHER THE TOP (COMPRESSION) OR BOTTOM (TENSION) EDGE OF THE RAFTER. NOTCHES IN SOLID LUMBER LOCATED IN THE OUTER ONE THIRD OF THE SPAN SHALL NOT EXCEED ONE-SIXTH OF THE DEPTH OF THE JOIST AND SHALL NOT BE LONGER THAN ONE-THIRD THE DEPTH OF THE JOIST. NOTCHES AT THE END OF THE RAFTER SHALL NOT EXCEED ONE-QUARTER THE DEPTH OF THE RAFTER. THE TENSION SIDE OF MEMBERS WHICH ARE NOMINAL 4 INCHES IN THICKNESS OR GREATER MAY ONLY BE NOTCHED AT THE ENDS. THE DIAMETER OF HOLES BORED IN THE JOIST SHALL NOT EXCEED 1/3 THE DEPTH OF THE JOIST NOR SHALL THEY BE CLOSER THAN 2" TO AN EDGE OR TO ANOTHER HOLE OR A NOTCH. ENGINEERED LUMBER INCLUDING TRUSSES, LAMINATED VENEER LUMBER, GLUE-LAMINATED LUMBER OR IJOISTS SHALL NOT BE BORED, NOTCHED, SPLICED OR ALTERED UNLESS THE EFFECTS OF SUCH PENETRATION OR ALTERATION ARE SPECIFICALLY CONSIDERED IN THE DESIGN OF THE MEMBER. NOTCHES ON CANTILEVERED PORTIONS OF RAFTERS ARE PERMITTED PROVIDED THE DIMENSION OF THE REMAINING PORTION OF THE RAFTER IS NOT LESS THAN 4-INCH NOMINAL AND THE LENGTH OF THE CANTILEVER DOES NOT EXCEED 24 INCHES. R802.7.1.

RAFTERS CONSTRUCTED OF ENGINEERED WOOD PRODUCTS SUCH AS LAMINATED VENEER LUMBER, GLUE-LAMINATED MEMBERS OR I-JOISTS SHALL NOT BE CUT, NOTCHED OR HAVE HOLES BORED UNLESS THE EFFECT OF SUCH PENETRATIONS ARE SPECIFICALLY CONSIDERED IN THE DESIGN OF THE MEMBER. R802.7.2.

RAFTERS CONSTRUCTED OF ENGINEERED WOOD PRODUCTS SUCH AS LAMINATED VENEER LUMBER, GLUE-LAMINATED MEMBERS OR I-JOISTS SHALL NOT BE CUT, NOTCHED OR HAVE HOLES BORED UNLESS THE EFFECT OF SUCH PENETRATIONS ARE SPECIFICALLY CONSIDERED IN THE DESIGN OF THE MEMBER. R802.7.2.

OPENINGS FRAMED IN ROOF AND CEILING ASSEMBLIES SHALL BE FRAMED WITH HEADER AND TRIMMER JOISTS. WHEN THE HEADER JOIST SPAN DOES NOT EXCEED 4 FEET, THE HEADER JOIST MAY BE A SINGLE MEMBER THE SAME SIZE AS THE CEILING JOIST OR RAFTER. SINGLE TRIMMER JOISTS MAY BE USED TO CARRY A SINGLE HEADER JOIST THAT IS LOCATED WITHIN 3 FEET OF THE TRIMMER JOIST BEARING. WHEN THE HEADER JOIST SPAN EXCEEDS 4 FEET, THE TRIMMER JOISTS AND THE HEADER JOIST SHALL BE DOUBLED AND OF SUFFICIENT CROSS SECTION TO SUPPORT THE CEILING JOISTS OR RAFTER FRAMING INTO THE HEADER. APPROVED HANGERS SHALL BE USED FOR THE HEADER JOIST TO TRIMMER JOIST CONNECTIONS WHEN THE HEADER JOIST SPAN EXCEEDS 6 FEET. TAIL JOISTS OVER 12 FEET LONG SHALL BE SUPPORTED AT THE HEADER BY FRAMING ANCHORS. R802.9.

TRUSS DESIGN DRAWINGS SHALL BE PREPARED AND PROVIDED TO THE BUILDING OFFICIAL, ARCHITECT AND ENGINEER OF RECORD AND SHALL BE SEALED BY THE REGISTERED DESIGN PROFESSIONAL THAT DESIGNED THEM FOR APPROVALS PRIOR TO ANY MANUFACTURE. THE TRUSS DESIGN DRAWINGS SHALL PROVIDE THE MINIMUM INFORMATION REQUIRED BY R802.10.1.

TRUSS MEMBERS SHALL NOT BE CUT, NOTCHED, DRILLED, SPLICED OR OTHERWISE ALTERED IN ANY WAY WITHOUT THE APPROVAL OF A REGISTERED DESIGN PROFESSIONAL. ALTERATIONS RESULTING IN THE ADDITION OF LOADS THAT EXCEED THE DESIGN LOAD FOR THE TRUSS SHALL NOT BE PERMITTED WITHOUT VERIFICATION THAT THE TRUSS IS CAPABLE OF SUPPORTING

TRUSSES SHALL BE CONNECTED TO WALL PLATES BY THE USE OF APPROVED CONNECTORS HAVING A RESISTANCE TO UPLIFT OF NOT LESS THAN 175 POUNDS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. FOR WIND UPLIFT PRESSURES OF 20 PSF OR GREATER AS PER TABLE R301.2.(2), CONSULT TABLE R301.2(3) TO ADJUST FOR HEIGHT AND EXPOSURE AND SEE SECTION R802.11. R802.10.5.

WEATHER-RESISTANT SHEATHING PAPER

SUCH ADDITIONAL LOADING. R802.10.4.

EXTERIOR WALLS SHALL PROVIDED WITH A WEATHER-RESISTANT ENVELOPE. THE EXTERIOR WALL ENVELOPE SHALL INCLUDE FLASHING AS DESCRIBED IN R703.8. THE EXTERIOR WALL ENVELOPE SHALL BE DESIGNED AND CONSTRUCTED IN SUCH A MANNER AS TO PREVENT THE ACCUMULATION OF WATER WITHIN THE WALL ASSEMBLY BY PROVIDING A WATER-RESISTIVE BARRIER BEHIND THE EXTERIOR SURFACE. SUCH BARRIER SHALL BE ASPHALT-SATURATED FELT FREE FROM HOLES AND BREAKS, WEIGH NOT LESS THAN 14 POUNDS PER 100 SF AND COMPLYING WITH ASTM D226 OR OTHER APPROVED WEATHER — RESISTANT MATERIAL. THE BARRIER SHALL BE INSTALLED OVER SHEATHING OF ALL EXTERIOR WALLS AS REQUIRED BY TABLE R703.4. SUCH FELT OR MATERIAL SHALL BE APPLIED HORIZONTALLY, WITH THE UPPER LAYER LAPPED OVER THE LOWER LAYER NOT LESS THAN 2 INCHES AND INSTALLED TO DRAIN AWAY FROM WOOD BUILDING ELEMENTS. WHERE JOINTS OCCUR, FELT SHALL BE LAPPED NOT LESS THAN 6 INCHES. R703.1, R703.2.

ROOF

ROOF SHEATHING (WOOD STRUCTURAL PANELS) INTENDED FOR PERMANENT EXPOSURE IN OUTDOOR APPLICATIONS, SHALL BE OF AN EXTERIOR EXPOSURE DURABILITY. WOOD STRUCTURAL PANEL ROOF SHEATHING EXPOSED TO THE UNDERSIDE MAY BE OF INTERIOR TYPE BONDED WITH EXTERIOR GLUE, IDENTIFIED AS EXPOSURE 1.

ROOF SHEATHING (WOOD STRUCTURAL PANELS) SHALL BE INSTALLED WITH JOINTS STAGGERED. SHEATHING SHALL BE SUPPORTED OVER AT LEAST TWO SPANS OR THREE RAFTERS.

ROOF COVERINGS SHALL BE FLASHED AND INSTALLED UPON APPROPRIATE ROOF PITCHES IN ACCORDANCE WITH THE APPROPRIATE REQUIREMENTS FOR THE MATERIALS BEING USED. GENERAL FLASHING REQUIREMENTS APPLY TO ALL ROOFS. CRICKETS OR SADDLES SHALL BE INSTALLED ON THE RIDGE SIDE OF ANY CHIMNEY OR VERTICAL OBSTRUCTION GREATER THAN 30 INCHES WIDE. CRICKET OR SADDLE COVERINGS SHALL BE SHEET METAL OR OF THE SAME MATERIAL AS THE ROOF

THE FOLLOWING ARE GENERAL REQUIREMENTS FOR VARIOUS ROOFING SYSTEMS. CONSULT DRAWINGS AND OWNER SPECIFICATIONS FOR SPECIFIC ROOF TYPE TO BE USED IN THIS PROJECT.

ROOFS OF ASPHALT SHINGLES SHALL NOT BE INSTALLED ON ROOF SLOPES LESS THAN 2 IN 12. FOR ROOF SLOPES FROM 2 IN 12 TO 4 IN 12, DOUBLE #30 FELT UNDERLAYMENT SHALL BE INSTALLED HALF-LAPPED. ROOFS SLOPED AT 4 IN 12 AND UP SHALL BE PROVIDED WITH ONE LAYER OF UNDERLAYMENT LAPPED 2 INCHES. END LAPS IN FELT SHALL BE OFFSET BY 6 FEET.

DAILY TEMPERATURE IN JANUARY IS 25° F. ICE SHIELD UNDERLAYMENT SHALL BE A SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET AND SHALL BE INSTALLED TO EXTEND FROM THE EAVE'S EDGE TO A POINT AT LEAST 24" INSIDE THE EXTERIOR WALL LINE OF THE BUILDING EXCEPT FOR DETACHED ACCESSORY STRUCTURES THAT CONTAIN UNCONDITIONED AIR WHICH ARE EXEMPT.

ROOFS OF ASPHALT SHINGLES SHALL BE PROVIDED WITH FLASHING AGAINST A

VERTICAL SIDEWALL BY THE STEP-FLASHING METHOD. OTHER FLASHINGS AGAINST A

VERTICAL FRONT WALL, AS WELL AS SOIL STACK, VENT PIPE AND CHIMNEY FLASHING,

ROOFS OF ASPHALT SHINGLES SHALL BE PROVIDED WITH ICE PROTECTION WHERE THE

SHALL BE APPLIED ACCORDING TO THE ASPHALT SHINGLE MANUFACTURER'S PRINTED INSTRUCTIONS.

ALL DISSIMILAR METALLIC MATERIALS SHALL BE EFFECTIVELY ISOLATED FROM EACH

ICE SHIELD IS REQUIRED FROM THE EAVE'S EDGE TO A POINT AT LEAST 24 INCHES INSIDE THE EXTERIOR WALL LINE OF THE BUILDING. SEE EXAMPLES AT RIGHT. CURRENT PROJECT USES 8:12(EXISTING), 4 29/32:12(NEW) AND 3 21/32:12(NEW) PITCH.

FLASHINGS

OTHER TO PREVENT GALVANIC ACTION.

FLASHINGS OF APPROVED CORROSION-RESISTIVE MATERIALS SHALL BE PROVIDED IN THE EXTERIOR WALL ENVELOPE IN SUCH A MANNER AS TO PREVENT ENTRY OF WATER INTO THE WALL CAVITY OR THE BUILDINGS STRUCTURAL FRAMING COMPONENTS. THE FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH AND SHALL BE INSTALLED TO PREVENT WATER FROM REENTERING THE EXTERIOR WALL ENVELOPE. FLASHINGS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:

AT THE TOP OF ALL EXTERIOR WINDOW AND DOOR OPENINGS. SELF ADHESIVE FLASHINGS SHALL BE USED OVER ALL "SELF-FLASHED" WINDOWS OR DOORS REGARDLESS OF THE LAP OVER THE SHEATHING MATERIAL AROUND THE PERIMETER OF THE OPENING. INCLUDING CORNERS.

- 2. AT THE INTERSECTION OF CHIMNEYS OR OTHER MASONRY CONSTRUCTION WITH FRAME OR STUCCO WALLS, WITH PROJECTING LIPS ON BOTH SIDES UNDER STUCCO COPINGS.
- 3. UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND SILLS.
- 4. CONTINUOUSLY ABOVE ALL PROJECTING WOOD TRIM.
- 5. WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY OF WOOD-FRAME CONSTRUCTION OR WHERE BALCONIES OR TERRACES ATTACH TO WALLS OR COLUMNS.
- 6. AT BUILT-IN GUTTERS, ROOF PENETRATIONS OR OTHER POINTS OF POTENTIAL MOISTURE PENETRATION.

FLASHING SHALL BE INSTALLED AT WALL AND ROOF INTERSECTIONS; WHENEVER THERE IS A CHANGE IN ROOF SLOPE OR DIRECTION; AND AROUND ROOF OPENINGS. WHERE FLASHING IS OF METAL, THE METAL SHALL BE CORROSION RESISTANT WITH A THICKNESS OF NOT LESS THAN 0.019 INCH (#26 GALVANIZED SHEET METAL). ALL DISSIMILAR METALLIC MATERIALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO PREVENT GALVANIC ACTION.

EXTERIOR CEDAR TRIM

MATERIALS SHALL BE INSPECTED BEFORE INSTALLATION AND SHALL NOT BE INSTALLED IF FOUND TO BE DAMAGED OR VISUALLY UNACCEPTABLE FOR ANY REASON.

 ${\tt MATERIALS\,ARE\,TO\,BE\,ACCLIMATIZED\,ON\,SITE\,FOR\,BETWEEN\,3-10\,DAYS\,BEFORE\,BEING\,INSTALLED}.$

UNTIL INSTALLED, TRIM MATERIAL MUST BE PROTECTED FROM DIRECT SUNLIGHT, WATER SATURATION, SNOW, DIRT AND OTHER ELEMENTS. MATERIAL IS TO BE STORED FLAT AND OFF OF THE GROUND ON BLOCKING AND A VAPOR BARRIER SO THAT MOISTURE IS NOT ABSORBED THROUGH THE BOTTOM BOARDS OF THE STACK. PROVIDE WITH A WATERPROOF COVERING ELEVATED IN THE CENTER SO WATER DOES NOT POOL ON THE COVER. THE STACK OF SIDING IS NOT TO BE SEALED SO PROPER AIR CIRCULATING MAY OCCUR. MATERIAL IS TO BE STORED IN AN ENCLOSED STRUCTURE, IF POSSIBLE.

TRIM IS TO HAVE FINISH APPLIED ON ALL SIDES BEFORE INSTALLATION, INCLUDING ENDS, EITHER ON-SITE OR FACTORY PRE-FINISHED. ALL FIELD CUTS ARE TO BE FIELD FINISHED BEFORE INSTALLATION.

MATERIAL IS TO BE INSTALLED WITH NO. 304 STAINLESS STEEL "SPLITLESS" RING SHANK SIDING NAILS. SIDING NAILS ARE TO BE SPACED NO MORE THAN 24" OC AND, WHEN POSSIBLE, NAILED INTO FRAMING MEMBERS. NAILS USED SHALL BE LONG ENOUGH TO PROVIDE 1 1/4" MIN. PENETRATION INTO FRAMING MEMBERS. NAILS NEAR END OR BOARDS MUST BE PRE DRILLED. IF RIGID FOAM SHEATHING IS USED, ALL NAILS MUST BE INTO WOOD FRAMING OR WOOD BLOCKING.

WHEN INSTALLED ON MASONRY/CONCRETE WALLS, FURRING SHALL BE USED THAT WILL PROVIDE AT LEAST 1 1/4" OF PENETRATION.

PROPER FLASHING MUST BE INSTALLED AROUND ALL OPENINGS, BETWEEN TRIM AND SKIRT BOARDS AS WELL AS ALL WALL ROOF/WALL INTERSECTIONS TO PREVENT WATER FROM ENTERING THE WALL ASSEMBLY.

TRIM IS TO BE HELD AT LEAST 2" ABOVE DECK AND ROOF SURFACES AND 6" ABOVE FINISHED GRADE.

VERTICAL JOINTS IN TRIM BOARDS TO BE CUT WITH A 30° MITTER CUT WITH CUT SLOPING AWAY FROM BUILDING TO ALLOW ANY MOISTURE IN JOINT TO DRAIN AWAY FROM BUILDING. CUT SURFACES TO BE PAINTED BEFORE INSTALLATION AND JOINT TO BE CALL KED.

ALL VERTICAL JOINTS BETWEEN SIDING AND TRIM, BUTT JOINTS BETWEEN SECTIONS OF TRIM, BETWEEN INTERSECTIONS OF TRIM, BETWEEN TRIM AND WINDOW OR DOOR FRAMES, OR BETWEEN TRIM AND OTHER PENETRATIONS SHALL BE CAULKED WITH A HIGH QUALITY CAULK.

MASONRY

LINTELS SHALL HAVE A LENGTH OF BEARING NOT LESS THAN 4" ON EITHER SIDE UNLESS GREATER BEARING IS REQUIRED IN

MASONRY VENEER SHALL BE PROVIDED WITH WEEPHOLES IN THE OUTSIDE WYTHE OF MASONRY WALLS SPACED A MAXIMUM OF 33 INCHES O.C. WEEPHOLES SHALL NOT BE LESS THAN 3/16" IN DIAMETER AND SHALL BE LOCATED IMMEDIATELY ABOVE THE FLASHING AND ABOVE GRADE. R703.7.6.

MASONRY VENEER SHALL BE ANCHORED TO THE SUPPORTING WALL WITH CORROSION-RESISTANT METAL TIES. WHEN SHEET METAL CORRUGATED TIES (22 U.S. GAGE BY 7/8") ARE FASTENED TO A WOOD BACKING A MAXIMUM 1" CLEAR SPACE SHALL BE MAINTAINED. WHEN METAL STRAND WIRE TIES (9 U.S. GAGE WITH HOOD EMBEDDED IN JOINT) ARE FASTENED TO A WOOD OR COLD-FORMED STEEL BACKING, A MAXIMUM 4.5" CLEAR SPACE SHALL BE MAINTAINED. TIE SPACING SHALL BE NOT MORE THAN 24" O.C. BOTH HORIZONTALLY OR VERTICALLY AND SHALL NOT SUPPORT MORE THAN 2.67 SF OF WALL AREA EXCEPT IN SEISMIC DESIGN CATEGORY D1 OR D2 AND TOWNHOUSES IN SEISMIC DESIGN CATEGORY C OR WIND AREAS EXCEEDING 30 POUNDS PSF WHERE IN SUCH CASES EACH TIE SHALL NOT SUPPORT MORE THAN 2 SF. IN ADDITION, TIES SHALL BE PROVIDED AROUND ALL WALL OPENINGS GREATER THAN 16 INCHES IN EITHER DIMENSION. TIES AROUND PERIMETER OF OPENINGS SHALL BE SPACED NOT MORE THAN 3 FEET O.C. AND WITHIN 12 INCHES OF THE WALL OPENING. R703.7.4, R703.7.4.1, R703.7.4.2.

MASONRY VENEER HAVING AN INSTALLED WEIGHT OF 40 PONDS PER SQUARE FOOT OR LESS SHALL BE PERMITTED TO BE SUPPORTED ON WOOD OR COLD-FORMED STEEL CONSTRUCTION. WHERE VENEER MASONRY SUPPORTED BY WOOD OR COLD-FORMED STEEL ADJOINS MASONRY VENEER SUPPORTED BY THE FOUNDATION, THERE SHALL BE A MOVEMENT JOINT BETWEEN THE VENEER SUPPORTED BY THE WOOD OR COLD-FORMED STEEL AND THAT SUPPORTED BY THE FOUNDATION. DEFLECTION OF THE WOOD OR COLD-FORMED STEEL SHALL BE LIMITED TO 1/600 OF THE SPAN. THE DESIGN OF THE WOOD OR COLD-FORMED STEEL SHALL CONSIDER THE WEIGHT OF THE VENEER AND ANY OTHER LOADS. R703.7.2. A MINIMUM 6 INCH BY 4 INCH BY 5/16" STEEL ANGLE, WITH THE LONG LEG PLACED VERTICALLY SHALL BE ANCHORED TO DOUBLE NOMINAL 2 INCH BY 4 INCH WOOD STUDS AT A MAXIMUM ON CENTER SPACING OF 16 INCHES. ANCHORAGE OF THE STEEL ANGLE, FLASHINGS, OTHER DETAILS AND SPECIFIC USE AREAS SHALL BE AS INDICATED IN R703.7.2.1 UNLESS SPECIFICALLY CALLED OUT BY THE ENGINEER OF RECORD. MASONRY VENEER SHALL NOT SUPPORT ANY VERTICAL LOAD OTHER THAN THE DEAD LOAD OF THE VENEER ABOVE. VENEER ABOVE OPENINGS SHALL BE SUPPORTED ON LINTELS OF NON-COMBUSTIBLE MATERIALS AND THE ALLOWABLE SPAN SHALL NOT EXCEED THE VALUES SET FORTH IN TABLE R703.7.3. LINTELS SHALL HAVE A LENGTH OF BEARING NOT LESS THAN 4" ON EITHER SIDE.

MASONRY VENEER SHALL BE PROVIDED WITH FLASHING LOCATED BENEATH THE FIRST COURSE ABOVE FINISHED GRADE ABOVE THE FOUNDATION WALL OR SLAB AND AT OTHER POINTS OF SUPPORT, INCLUDING STRUCTURAL FLOOR, SHELF ANGLES AND LINTELS WHEN MASONRY VENEERS ARE DESIGNED IN ACCORDANCE WITH SECTION R703.7. SEE R703.8 FOR ADDITIONAL REQUIREMENTS. R703.7.5. SEE ALSO FLASHING NOTE THESE SHEETS.

WHERE MASONRY COURSING EXTENDS BELOW GRADE, THE VOID BETWEEN THOSE COURSES LOCATED BELOW GRADE SHALL BE FILLED SOLID WITH MORTAR, BASE FLASHINGS AND WEEPS SHALL OCCUR ABOVE FINISHED GRADE. ABOVE GRADE MASONRY SHALL BE PROVIDED WITH AN AIR SPACE TO THE BACKING TO ALLOW MOISTURE A PATH TO DRAIN. AN AIR SPACE OF 1 TO 2 INCHES IS RECOMMENDED TO KEEP FROST BRIDGES FROM FORMING.

THE TOP OF UNFINISHED MASONRY SHALL BE PROTECTED FROM THE WEATHER.

CHLORIDE, GLYCOL OR ANTI-FREEZE SHALL NOT BE USED.

COLD WEATHER CONSTRUCTION PROVISIONS OF ACI 530.1/ASCE6/TMS 602, ARTICLE 1.8 C APPLY WHEN THE AMBIENT TEMPERATURE FALLS BELOW 40°F. HOT WEATHER CONSTRUCTION PROVISIONS OF ACI 530.1/ASCE 6/TMS 602, ARTICLE 1.8 D APPLY WHEN THE AMBIENT TEMPERATURE EXCEEDS 100°F OR 90°F WITH A WIND VELOCITY GREATER THAN 8MPH.

PROVIDE A SUBMITTAL AND OBTAIN PERMISSION FROM ARCHITECT FOR ANY USE OF ADMIXTURES PRIOR TO THEIR USE. SODIUM

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SHIMER SQUARE

PHASE 1 - RBIG REHABILITATION S CLAY ST, MOUNT CARROLL, IL

PROJECT NOTES

T2 1

GLASS AND GLAZING

- THE FOLLOWING AREAS SHALL BE PROVIDED WITH SAFETY GLASS OR GLAZING AND EACH PANE SHALL BE PROVIDED WITH LABELS. SAFETY GLASS OR GLAZING SHALL BE PROVIDED IN THE FOLLOWING AREAS:
- 2. GLAZING IN FIXED AND SLIDING PANELS OF SLIDING DOOR ASSEMBLES AND PANELS IN SLIDING AND BIFOLD CLOSET DOOR ASSEMBLIES.
- 3. GLAZING IN STORM DOORS
- 4. GLAZING IN ALL UNFRAMED SWINGING DOORS.
- GLAZING IN DOORS AND ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS AND SHOWERS. GLAZING IN ANY PART OF A BUILDING WALL ENCLOSING THESE COMPARTMENTS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING
- 6. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24 INCH ARC OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR OR WALKING SURFACE.
- 7. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEM 5 AND 6 ABOVE, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
- A. EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQUARE FEET,
- B. BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR, C. TOP EDGE GREATER THAN 36 INCHES ABOVE THE FLOOR, AND
- D. ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE GLAZING.
- 8. ALL GLAZING IN RAILINGS REGARDLESS OF AN AREA OR HEIGHT ABOVE A WALKING SURFACE
- 9. GLAZING IN WALLS AND FENCES ENCLOSING INDOOR AND OUTDOOR SWIMMING POOLS, HOT TUBS AND SPAS WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE A WALKING SURFACE AND WITHIN 60 INCHES HORIZONTALLY OF THE WATER'S EDGE. THIS SHALL APPLY TO SINGLE GLAZING AND ALL PANES IN MULTIPLE GLAZING.
- 10. GLAZING ADJACENT TO STAIRWAYS, LANDINGS AND RAMPS WITHIN 36 INCHES HORIZONTALLY OF A WALKING SURFACE. WHEN THE EXPOSED SURFACE OF THE GLASS IS LESS THAN 60 INCHES ABOVE THE PLANE OF THE ADJACENT WALKING
- 11. GLAZING ADJACENT TO STAIRWAYS WITHIN 60 INCHES HORIZONTALLY OF THE BOTTOM TREAD OF A STAIRWAY IN ANY DIRECTION WHEN THE EXPOSED SURFACE OF THE GLASS IS LESS THAN 60 INCHES ABOVE THE NOSE OF THE TREAD.

ROOF DRAINAGE:

STORM WATER SHALL NOT BE DRAINED INTO SEWERS INTENDED FOR SANITARY SEWAGE ONLY. IPC 1101.2.

THE SIZE OF DRAINAGE PIPE SHALL NOT BE REDUCED IN THE DIRECTION OF FLOW. IPC 1101.5.

CLEANOUTS SHALL BE INSTALLED IN THE STORM DRAINAGE SYSTEM AND SHALL COMPLY WITH THE PROVISIONS OF THE ILLINOIS PLUMBING CODE FOR SANITARY DRAINAGE PIPE CLEANOUTS. IPC 1101.8. ROOF DRAINS SHALL HAVE STRAINERS EXTENDING NOT LESS THAN 4 INCHES ABOVE THE SURFACE OF THE ROOF IMMEDIATELY ADJACENT TO THE ROOF DRAIN. STRAINERS SHALL HAVE AN AVAILABLE INLET AREA, ABOVE THE ROOF LEVEL, OF NOT LESS

THAN ONE AND ONE-HALF TIMES THE AREA OF THE CONDUCTOR OR LEADER TO WHICH THE DRAIN IS CONNECTED. IPC 1105.1 ROOF DRAIN STRAINERS FOR USE ON SUN DECKS, PARKING DECKS AND SIMILAR AREAS THAT ARE NORMALLY SERVICED AND MAINTAINED SHALL COMPLY WITH SECTION 1105.1 OR SHALL BE OF THE FLAT-SURFACE TYPE, INSTALLED LEVEL WITH THE DECK, WITH AN AVAILABLE INLET AREA NOT LESS THAN TWO TIMES THE AREA OF THE CONDUCTOR OR LEADER TO WHICH THE DRAIN IS CONNECTED. IPC 1105.2.

ROOF DRAIN FLASHINGS OF APPROVED MATERIALS WHICH ARE WATER TIGHT SHALL BE USED IN THE CONNECTION BETWEEN ROOFS AND ROOF DRAINS WHICH PASS THROUGH THE ROOF AND INTO THE INTERIOR OF THE BUILDING. IPC 1105.3. ROOF DRAIN, GUTTER AND DOWNSPOUT SIZES SHALL BE PER THE IPC.

RAINFALL RATE APPLICABLE TO SIZING OF ROOF DRAINS AND CAPACITIES SHALL BE 3.25 INCHES PER HOUR (100 YEAR STORM EVENT). IPC FIGURE 1106.1.

SECONDARY ROOF DRAINS (EMERGENCY) SHALL BE PROVIDED WHERE THE ROOF PERIMETER CONSTRUCTION EXTENDS ABOVE THE ROOF IN SUCH A MANNER THAT WATER WILL BE ENTRAPPED IF THE PRIMARY DRAINS ALLOW BUILDUP FOR ANY REASON.

SECONDARY (EMERGENCY) ROOF DRAIN SYSTEMS SHALL BE SIZED IN ACCORDANCE WITH SECTION 1106 BASED ON THE RAINFALL RATE FOR WHICH THE PRIMARY SYSTEM IS SIZED IN TABLES 1106.2, 1106.3 AND 1106.6. SCUPPERS (OR OTHER APPROVED SEPARATE INLETS) SHALL BE SIZED TO PREVENT THE DEPTH OF PONDING WATER FROM EXCEEDING THAT FOR WHICH THE ROOF WAS DESIGNED AS DETERMINED BY SECTION 1101.7. SCUPPERS (OR OTHER APPROVED SEPARATE EMERGENCY OPENINGS) SHALL NOT HAVE AN OPENING DIMENSION OF LESS THAN 4 INCHES. THE FLOW THROUGH THE PRIMARY SYSTEM SHALL NOT BE CONSIDERED WHEN SIZING THE SECONDARY ROOF DRAIN SYSTEM. IPC 1107.3.

GUTTERS SHALL BE 5". 027 GAUGE ALUMINUM WITH FACTORY BAKED ENAMEL FINISH. DOWNSPOUTS SHALL BE 4".019 GAUGE ALUMINUM WITH FACTORY BAKED ENAMEL FINISH. ALL ROOF DRAINAGE SHALL BE DISCHARGED TO THE GROUND SURFACE AT LEAST 5 FEET FROM THE FOUNDATION WALLS OR TO AN APPROVED DRAINAGE SYSTEM. ROOFS DECKS AND BALCONIES SHALL MAINTAIN 1/4" PER FOOT SLOPE FOR DRAINAGE

ALL WALLS WITH STUDS @ 16" O.C. SHALL BE COVERED WITH 1/2 INCH GYPSUM BOARD UNLESS INDICATED OTHERWISE. EILINGS AND SOFFITS SHALL BE COVERED WITH 5/8 INCH GYPSLIM BOARD. GYPSLIM JOINTS SHALL BE BEDDED WITH JOINT COMPOUND AND PAPER TAPE AND FINISHED IN ACCORDANCE WITH LEVEL 5 OF THE GYPSUM ASSOCIATION STANDARDS. FASTENERS SHALL BE IN CONFORMANCE WITH GYPSUM ASSOCIATION MANUAL, UNLESS NOTED OTHERWISE. WHERE REQUIRED TO ACHIEVE A SPECIFIC FIRE RETARDANT RATING, GYPSUM BOARD SHALL BE TYPE "X" AS DEFINED IN ASTM C 1396. WATER RESISTANT GYPSUM BOARD SHALL BE USED AT WALLS EXPOSED TO MOISTURE SPLASH AT SHOWER, AND LAVATORY AREAS. DO NOT INSTALL MOISTURE RESISTANT GYPSUM BOARD ON CEILINGS UNLESS THE FRAMING IS 16" O.C. AND 5/8" MOISTURE RESISTANT GYPSUM BOARD IS USED. SHOWER ENCLOSURES SHALL BE PROVIDED WITH 1/2" FIBER REINFORCED CEMENT BOARD UNDERLAYMENT OVER EPDM MEMBRANE WHERE ENCLOSURES ARE TO BE FINISHED WITH CERAMIC TILE. CEMENT UNDERLAYMENT AND ANY ADJACENT GYPSUM SHALL BE INSTALLED FLUSH TO EACH OTHER WITH JOINT TAPED AND

WHERE EXTERIOR GYPSUM APPLICATION IS INDICATED IN THE DRAWINGS, EXTERIOR GYPSUM SOFFIT BOARD MEETING ASTM C-931 SHALL BE USED. INTERIOR GYPSUM BOARD IS NOT APPROVED FOR ANY EXTERIOR APPLICATION. USE PAPER TAPE AND FINISH AS PER MANUFACTURER'S RECOMMENDATIONS.

ALL FINISHES SHALL BE CLASS 1 UL APPROVED 0-25 FLAME SPREAD. ALL INTERIOR WALL, CEILING AND FLOOR FINISHES SHALL COMPLY WITH THE BUILDING CODE STATED UNDER CODES AND STANDARDS.

ALL DUCTS, MECHANICAL PIPING, ELECTRICAL CONDUIT, WIRES, FLUES, ETC. WHICH PENETRATE FLOORS OR ROOFS SHALL BE SEALED OFF AT EACH FLOOR LINE OR ROOF WITH UL FIRE RATED SEALANT SYSTEM OF THE SAME FIRE RATING AS THE FLOOR OR ROOF ASSEMBLY. SEE HILTI THROUGH PENETRATION FIRESTOP SYSTEMS MANUAL FOR SPECIFIC FIRE STOP MATERIALS AND APPLICATIONS FOR THE PARTICULAR WALL, FLOOR/CEILING OR ROOF/CEILING SYSTEM BEING USED. SEE MATRIX FOR PROTECTION REQUIREMENTS LISTED IN HOURS OR FRACTIONS THEREOF.

GENERAL MECHANICAL NOTES

MECHANICAL SYSTEMS ARE DESIGN-BUILD

MECHANICAL SYSTEMS AND COMPONENTS SHALL COMPLY WITH LOCAL AND NATIONAL CODES.

ACCESS SHALL BE MAINTAINED AT LEAST 30 INCHES IN FRONT OF THE CONTROL SIDE OF APPLIANCES WITHOUT REMOVING PERMANENT CONSTRUCTION.

THE CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND COORDINATION OF ALL REQUIRED MECHANICAL OPENINGS PASSING THROUGH THE NEW WOOD FLOORS AND ROOF.

ACCESS FOR CENTRAL EQUIPMENT LOCATED WITHIN COMPARTMENTS OR ALCOVES SHALL HAVE A MINIMUM WORKING SPACE CLEARANCE OF 3 INCHES ALONG THE SIDES, BACK AND TOP WITH A TOTAL WIDTH OF THE ENCLOSING SPACE BEING AT LEAST 12 INCHES WIDER THAN THE FURNACE. FURNACES HAVING A FIREBOX OPEN TO THE ATMOSPHERE SHALL HAVE AT LEAST A 6 INCH WORKING SPACE ALONG THE FRONT COMBUSTION CHAMBER SIDE.

ACCESS FOR MECHANICAL EQUIPMENT IN COMPARTMENTS, ALCOVES, BASEMENTS OR SIMILAR SPACES SHALL BE BY AN OPENING OR DOOR AND AN UNOBSTRUCTED PASSAGEWAY MEASURING NOT LESS THAN 24 INCHES WIDE AND LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST APPLIANCE IN THE SPACE, PROVIDED THAT A LEVEL SERVICE SPACE OF NOT LESS THAN 30 INCHES DEEP AND THE HEIGHT OF THE APPLIANCES, BUT NOT LESS THAN 30 INCHES IS PRESENT AT THE FRONT OF SERVICE SIDE OF THE APPLIANCE WITH THE DOOR OPEN.

ACCESS TO MECHANICAL EQUIPMENT IN ATTICS SHALL BE PROVIDED BY AN OPENING AND A CLEAR AND UNOBSTRUCTED PASSAGEWAY LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST APPLIANCE, BUT NOT LESS THAN 30 INCHES HIGH AND 22 INCHES WIDE AND NOT MORE THAN 20 FEET IN LENGTH WHEN MEASURED ALONG THE CENTERLINE OF THE PASSAGEWAY FROM THE OPENING TO THE APPLIANCE. THE PASSAGEWAY SHALL HAVE CONTINUOUS SOLID FLOORING IN ACCORDANCE WITH IRC CHAPTER 5 NOT LESS THAN 24 INCHES WIDE. A LEVEL SERVICE SPACE AT LEAST 30 INCHES DEEP AND 30 INCHES WIDE SHALL BE PRESENT ALONG ALL SIDES OF THE APPLIANCE WHERE ACCESS IS REQUIRED. THE CLEAR ACCESS OPENING DIMENSIONS SHALL BE A MINIMUM OF 20 INCHES BY 30 INCHES, WHERE SUCH DIMENSIONS ARE LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST APPLIANCE. A PASSAGEWAY AND LEVEL SERVICE SPACE ARE NOT REQUIRED WHERE THE APPLIANCE IS CAPABLE OF BEING SERVICED AND REMOVED THROUGH THE REQUIRED OPENING.

A LIGHTING FIXTURE CONTROLLED BY A SWITCH LOCATED AT THE REQUIRED PASSAGEWAY OPENING AND A RECEPTACLE OUTLET SHALL BE PROVIDED AT OR NEAR THE APPLIANCE LOCATION.

MECHANICAL EQUIPMENT SUPPORTED FROM THE GROUND SHALL BE LOCATED ON A CONCRETE SLAB OR OTHER APPROVED MATERIAL EXTENDING ABOVE THE ADJOINING GROUND. APPLIANCES SUSPENDED FROM THE FLOOR ABOVE, SHALL HAVE A CLEARANCE OF NOT LESS THAN 6 INCHES FROM THE GROUND.

MECHANICAL EQUIPMENT SHALL BE INSTALLED WITH THE CLEARANCES FROM UNPROTECTED COMBUSTIBLE MATERIALS AS INDICATED ON THE APPLIANCE LABEL AND INSTALLATION INSTRUCTIONS.

MECHANICAL EQUIPMENT HAVING AN IGNITION SOURCE SHALL BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN 18 INCHES ABOVE THE FLOOR IN GARAGES. FOR THE PURPOSE OF THIS SECTION, ROOMS OR SPACES THAT ARE NOT PART OF THE LIVING SPACE OF A DWELLING UNIT AND THAT COMMUNICATE WITH A PRIVATE GARAGE THROUGH OPENINGS SHALL BE CONSIDERED TO BE PART OF THE GARAGE.

MECHANICAL EQUIPMENT LOCATED IN A GARAGE OR CARPORT SHALL BE PROTECTED FROM IMPACT BY AUTOMOBILES.

WHERE PIPING SERVING MECHANICAL EQUIPMENT IS CONCEALED WITHIN CONSTRUCTION, OTHER THAN CAST IRON OR GALVANIZED STEEL MATERIALS SHALL BE PROTECTED BY SHIELD PLATES OF 0.062 INCH THICK STEEL WHERE SUCH MATERIALS PASS THROUGH HOLES OR NOTCHES IN FRAMING WHEN LOCATED LESS THAN 1.5 INCHES FROM THE NEAREST EDGE OF THE FRAMING MEMBER. SUCH STEEL SHIELD PLATES SHALL COVER THE AREA OF THE PIPE WHERE THE MEMBER IS NOTCHED OR BORED, AND SHALL EXTEND A MINIMUM OF 2 INCHES ABOVE SOLE PLATES AND BELOW TOP PLATES.

GAS PIPING SHALL BE OF AN APPROVED TYPE. GAS PIPING SHALL NOT PENETRATE RETURN AIR DUCTS, NOR CONTAIN UNIONS IN CONCEALED LOCATIONS.

ALL DUCT PENETRATIONS THROUGH PARTITIONS AND FLOORS SHALL BE PROVIDED WITH NECESSARY FRAMES AND BRACING AROUND THE OPENING.

ALL DUCTS, MECHANICAL PIPING, ELECTRICAL CONDUIT, WIRES, FLUES, ETC. WHICH PENETRATE FLOORS OR ROOFS SHALL BE SEALED OFF AT EACH FLOOR LINE OR ROOF WITH UL FIRE RATED SEALANT SYSTEM OF THE SAME FIRE RATING AS THE FLOOR OR ROOF ASSEMBLY. SEE HILTI THROUGH PENETRATION FIRESTOP SYSTEMS MANUAL FOR SPECIFIC FIRE STOP MATERIALS AND APPLICATIONS FOR THE PARTICULAR WALL, FLOOR/CEILING OR ROOF/CEILING SYSTEM BEING USED. SEE MATRIX FOR PROTECTION REQUIREMENTS LISTED IN HOURS OR FRACTIONS THEREOF.

CLOTHES DRYER EXHAUST SHALL BE CONVEYED FROM AN APPLIANCE TO THE OUTSIDE OF THE BUILDING IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. DUCT TERMINATIONS SHALL NOT BE PROVIDED WITH SCREEN BUT SHALL BE PROVIDED WITH A BACK DRAFT DAMPER. EXHAUST DUCTS SHALL BE CONSTRUCTED OF RIGID GALVANIZED METAL HAVING SMOOTH INTERIOR SURFACES WITH JOINTS RUNNING IN THE DIRECTION OF AIR FLOW. APPROVED FLEXIBLE TRANSITION DUCTS USED TO CONNECT THE DRYER TO THE EXHAUST DUCT SYSTEM SHALL BE LIMITED TO SINGLE LENGTHS NOT TO EXCEED 8 FEET. TRANSITION DUCTS SHALL NOT BE CONCEALED WITHIN CONSTRUCTION. EXHAUST DUCT SECTIONS SHALL NOT BE CONNECTED WITH SHEET-METAL SCREWS OR FASTENING MEANS WHICH EXTEND INTO THE DUCT.

CLOTHES DRYER EXHAUST DUCTS SHALL NOT EXCEED 25 FEET FROM THE DRYER LOCATION TO THE WALL OR ROOF TERMINATION NOT INCLUDING THE TRANSITION DUCT. THE MAXIMUM LENGTH OF THE DUCT SHALL BE REDUCED 2.5 FEET FOR EACH 45 DEGREE BEND AND 5 FEET FOR EACH 90 DEGREE BEND. THE MAXIMUM LENGTH OF A DRYER DUCT SHALL BE IN ACCORDANCE WITH THE DRYER MANUFACTURER'S INSTALLATION INSTRUCTIONS

CLOTHES DRYERS SHALL BE LOCATED IN A ROOM OR SPACE PROVIDED WITH MAKEUP AIR WHEN EXHAUSTING MORE THAN 200 CFM. WHERE A CLOSET IS DESIGNED FOR THE INSTALLATION OF A CLOTHES DRYER, AN OPENING HAVING AN AREA OF NOT LESS THAN 100 SQUARE INCHES FOR MAKE UP AIR SHALL BE PROVIDED IN THE CLOSET ENCLOSURE, OR MAKEUP AIR SHALL BE PROVIDED IN THE CLOSET ENCLOSURE, OR MAKEUP AIR SHALL BE PROVIDED BY OTHER APPROVED MEANS.

TOILET ROOMS AND BATHROOMS SHALL BE PROVIDED WITH NATURAL OR MECHANICAL VENTILATION. WHERE SUCH ROOMS ARE PROVIDED WITH MECHANICAL VENTILATION, SUCH VENTILATION SHALL NOT RECIRCULATE AIR WITHIN A RESIDENCE OR TO ANOTHER DWELLING UNIT. VENTILATION SYSTEMS SHALL BE PROVIDED WITH EXHAUST RATES IN ACCORDANCE WITH THE MATRIX. TOILET ROOM EXHAUST DUCTS MAY BE OF ANY APPROVED MATERIAL. KITCHEN SHALL BE PROVIDED WITH MECHANICAL VENTILATION. WHERE INSTALLED IN ACCORDANCE WITH THE

MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND WHERE MECHANICAL OR NATURAL VENTILATION IS OTHERWISE PERMITTED. LISTED AND LABELED DUCTLESS RANGE HOODS SHALL NOT BE REQUIRED TO DISCHARGE TO THE OUTDOORS. WHERE DUCTED RANGE HOODS ARE USED, EXHAUST RATES SHALL BE AS INDICATED IN THE MATRIX. KITCHEN EXHAUST DUCTS SHALL BE RIGID GALVANIZED SHEET METAL AS REQUIRED BY THE MANUFACTURER OF THE HOOD. FLEXIBLE DUCTS NOT PERMITTED.

MICROWAVE OVENS MAY BE INSTALLED OVER A COOKING APPLIANCE WHEN THE UPPER APPLIANCE'S LISTING AND LABEL AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PERMIT SUCH INSTALLATION. THE MICROWAVE OVEN SHALL CONFORM TO UL 923. EXHAUST DUCTS CONNECTED TO EXHAUST FAN EQUIPPED MICROWAVE OVENS SHALL BE RIGID GALVANIZED SHEET METAL AS REQUIRED BY THE MANUFACTURER OF THE APPLIANCE. FLEXIBLE DUCTS NOT PERMITTED.

VENT TERMINATIONS:

ALL VENT TERMINATIONS SHALL OCCUR IN THE OUTDOORS. NO VENT TERMINATIONS OR DISCHARGE THEREFROM ARE PERMITTED IN ATTICS OR ROOF SOFFITS. VENT TERMINATIONS SHALL NOT BE LOCATED LESS THAN 3 FEET ABOVE A FORCED AIR INLET LOCATED WITHIN 10 FEET VENT TERMINATIONS SHALL NOT BE LOCATED LESS THAN 4 FEET BELOW 4 FEET HORIZONTALLY FROM, OR 1 FOOT ABOVE ANY DOOR, WINDOW OR GRAVITY AIR INLET INTO A DWELLING, VENT TERMINATIONS SHALL NOT BE LOCATED CLOSER THAN 3 FEET TO AN INTERIOR CORNER. VENT TERMINATIONS SHALL BE LOCATED WITH THE BOTTOM AT LEAST 12 INCHES ABOVE FINISHED GRADE. VENT TERMINATIONS SHALL NOT BE MOUNTED DIRECTLY ABOVE OR WITHIN 3 FEET HORIZONTALLY FROM A GAS METER. POWER EXHAUSTER TERMINATIONS SHALL BE LOCATED NOT LESS THAN 10 FEET FROM LOT LINES AND ADJACENT BUILDINGS. DISCHARGE FROM VENT TERMINATIONS SHALL BE DIRECTED AWAY FROM THE BUILDING. VENT AND VENT TERMINATIONS SHALL BE OF AN APPROVED TYPE AND AS RECOMMENDED BY THE EQUIPMENT MFGR.

FUEL FIRED WATER HEATERS SHALL NOT BE INSTALLED IN A ROOM USED AS A STORAGE CLOSET. WATER HEATERS (EXCEPT ELECTRIC AND DIRECT VENT) LOCATED IN A BEDROOM OR BATHROOM SHALL BE INSTALLED IN A SEALED ENCLOSURE SO THAT COMBUSTION AIR WILL NOT BE TAKEN FROM THE LIVING SPACE.

ACCESS TO WATER HEATERS LOCATED IN AN ATTIC OR UNDERFLOOR CRAWL SPACE IS PERMITTED TO BE THROUGH A CLOSET LOCATED IN A SLEEPING ROOM OR BATHROOM WHERE VENTILATION OF THOSE SPACES WILL BE AFFECTED.

CONDENSATE DISPOSAL:

CONDENSATE FROM ALL COOLING COILS AND EVAPORATORS SHALL BE CONVEYED FROM THE DRAIN PAN OUTLET TO AN APPROVED PLACE OF DISPOSAL. CONDENSATE SHALL NOT DISCHARGE INTO A STREET, ALLEY OR OTHER AREAS SO AS TO CAUSE A NUISANCE.

CONDENSATE DRAIN PIPE SHALL BE OF CAST IRON, GALVANIZED STEEL, COPPER, CROSS-LINKED POLYETHYLENE POLYBUTYLENE, POLYETHYLENE, ABS, CPVC OR PVC PIPE OR TUBING. ALL COMPONENT SHALL BE SELECTED FOR THE PRESSURE AND TEMPERATURE RATING OF THE INSTALLATION. CONDENSATE WASTE AND DRAIN LINE SIZE SHALL BE NOT LESS THAN 3/4" INTERNAL DIAMETER AND SHALL NOT DECREASE IN SIZE FROM THE DRAIN PAN CONNECTION TO THE PLACE OF DISPOSAL. WHERE THE DRAINS PIPES FROM MORE THAN ONE UNIT ARE MANIFOLDED TOGETHER FOR CONDENSATE DRAINAGE, THE PIPE OR TUBING SHALL BE SIZED IN ACCORDANCE WITH AN APPROVED METHOD. ALL HORIZONTAL SECTIONS OF DRAIN PIPING SHALL BE INSTALLED IN UNIFORM ALIGNMENT AT A UNIFORM SLOPE.

IN ADDITION TO THE CONDENSATE DRAIN REQUIREMENTS LISTED ABOVE, A SECONDARY DRAIN OR AUXILIARY DRAIN PAN SHALL BE REQUIRED FOR EACH COOLING OR EVAPORATOR COIL WHERE DAMAGE TO ANY BUILDING COMPONENTS WILL OCCUR AS A RESULT OF OVERFLOW FROM THE EQUIPMENT DRAIN PAN OR STOPPAGE IN THE CONDENSATE DRAIN PIPING. ONE OF THE FOLLOWING METHODS SHALL BE USED:

- 1. AN AUXILIARY DRAIN PAN WITH A SEPARATE DRAIN SHALL BE PROVIDED UNDER THE COILS ON WHICH CONDENSATION WILL OCCUR. THE AUXILIARY PAN SHALL DISCHARGE TO A CONSPICUOUS POINT OF DISPOSAL TO ALERT OCCUPANTS IN THE EVENT OF A STOPPAGE OF THE PRIMARY DRAIN. THE PAN SHALL HAVE A MINIMUM DEPTH OF 1.5 INCHES, SHALL NOT BE LESS THAN 3 INCHES LARGER THAN THE UNIT OR THE COIL DIMENSIONS IN WIDTH AND LENGTH AND SHALL BE CONSTRUCTED OF CORROSION RESISTANT MATERIAL. METALLIC PANS SHALL HAVE A MINIMUM THICKNESS OF NOT LESS THAN 0.0276 INCH GALVANIZED SHEET METAL. NON-METALLIC PANS SHALL HAVE A MINIMUM THICKNESS OF NOT LESS THAN
- A SEPARATE OVERFLOW DRAIN LINE SHALL BE CONNECTED TO THE DRAIN PAN AND WITH PROVIDED WITH THE EQUIPMENT. SUCH OVERFLOW DRAIN SHALL DISCHARGE TO A CONSPICUOUS POINT OF DISPOSAL TO ALERT OCCUPANTS IN THE EVENT OF A STOPPAGE OF THE PRIMARY DRAIN. THE OVERFLOW DRAIN LINE SHALL CONNECT TO THE DRAIN PAN AT A HIGHER LEVEL THAN THE PRIMARY DRAIN CONNECTION.
- 3. AN AUXILIARY DRAIN PAN WITHOUT A SEPARATE DRAIN LINE SHALL BE PROVIDED UNDER THE COIL ON WHICH CONDENSATE WILL OCCUR. SUCH PAN SHALL BE EQUIPPED WITH A WATER-LEVEL DETECTION DEVICE THAT WILL SHUT OFF THE EQUIPMENT SERVED PRIOR TO OVERFLOW OF THE PAN. THE AUXILIARY DRAIN SHALL BE CONSTRUCTED IN ACCORDANCE

CONDENSATE DRAINS SHALL BE TRAPPED AS REQUIRED BY THE EQUIPMENT OR APPLIANCE MANUFACTURER.

GENERAL ELECTRICAL NOTES

ELECTRICAL IS DESIGN-BUILD

ELECTRICAL SYSTEMS AND COMPONANTS INCLUDING APPLIANCE INSTALLATION, SHALL COMPLY WITH THE REQURIEMENTS OF THE MANUFACTURER AND THE AUTHORITY HAVING JURISDICTION

ACCESS TO ELECTRICAL EQUIPMENT PANELBOARDS AND LIVE PARTS LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE WHILE ENERGIZED SHALL BE NOT LESS THAN 36" IN DEPTH FROM THE FACE OF THE EQUIPMENT AND AT LEAST 30" WIDE AND NOT LESS THAN THE WIDTH OF THE EQUIPMENT. A CLEAR CEILING HEIGHT SHALL BE MAINTAINED WITHIN THE ACCESS SPACE TO A HEIGHT OF 6'-6".

- ELECTRICAL CONTRACTOR TO PROVIDE REQUIRED HOOK-UPS/CUTOFFS.
- HVAC CONTRACTOR TO VERIFY THERMOSTAT LOCATIONS. ALL ELECTRICAL AND MECHANICAL EQUIPMENT (I.E. FURNACES, A/C UNITS, ELEC. PANELS, SANITARY SUMP PUMPS, AND
- WATER HEATERS) ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS. ALL SMOKE DETECTORS TO BE 110v WITH BATTERY BACKUP, HARDWIRED IN SERIES, INTERCONNECTED TO ALL OTHERS. MAX. 15'-0" FROM ALL BEDROOM DOORS AND LOCATED WITHIN EACH BEDROOM PLUS MINIMUM 1 SMOKE DETECTOR PER EVERY FLOOR ACCESSED BY STAIRS.
- PROVIDE AND INSTALL LOCALLY CERTIFIED <u>SMOKE DETECTORS</u> AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES. IN BASEMENT OPTIONS, PROVIDE
- IN OFFICES AND BEDROOMS PROVIDE AND INSTALL GROUND FAULT CIRCUIT-INTERRUPTERS (GFI) AS REQUIRED BY NATIONAL ELECTRIC CODE (NEC AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES. LOCATE ALL GFI OUTLETS WITHIN 12" OF FRONT PART OF VANITY AND BEFORE MEDICINE CABINET, IF APPLICABLE, AND IN THE FOLLOWING LOCATIONS: ONE OUTLET FOR EACH VANITY SINK. OUTDOOR APPLICATIONS, CRAWL SPACES, UNFINISHED BASEMENT AREAS, KITCHENS, BAR SINK AREAS, GARAGES, ELECTRICALLY HEATED FLOORS IN BATHROOMS, TUB, SPA AND HOT TUB LOCATIONS OR OTHER LOCATIONS AS REQUIRED BY LOCAL AUTHORITY
- PROVIDE ALL ELEC. AND MECH. ROUGH-INS FOR AIR CONDITIONERS. ALL RECEPTACLES TO BE SELF-GROUNDING.
- PROVIDE RECEPTICAL FOR FUTURE RADON SYSTEM MOTOR IN ATTIC. PROVIDE ARC-FAULT BREAKERS FOR OUTLETS IN EACH BEDROOM.
- PROVIDE A MINIMUM OF ONE 20-AMP BRANCH CIRCUIT TO SUPPLY THE BATHROOM RECEPTACLE OUTLET(S). WHERE THE CIRCUIT SUPPLIES A SINGLE BATHROOM, OUTLETS FOR OTHER EQUIPMENT WITHIN THE SAME BATHROOM SHALL BE PERMITTED AS REQUIRED MULTIPLE USES ON AN INDIVIDUAL BRANCH CIRCUIT. AT LEAST ONE WALL RECEPTACLE OUTLET SHALL BE INSTALLED IN BATHROOMS AND LOCATED WITHIN 36 INCHES OF THE OUTSIDE EDGE OF EACH I AVATORY BASIN
- PROVIDE A SEPARATE BRANCH CIRCUIT FOR HEATING. PROVIDE A MINIMUM OF TWO 20-AMP BRANCH CIRCUITS TO SERVE RECEPTACLES LOCATED IN EACH KITCHEN, PANTRY, BREAKFAST AREA, DINING AREA OR SIMILAR AREA OF A DWELLING. KITCHEN COUNTERTOP RECEPTACLES SHALL BE SERVED BY A MINIMUM OF TWO 20-AMP BRANCH CIRCUITS. REFRIGERATION APPLIANCES SHALL BE ON A SEPARATE
- PROVIDE A RECEPTACLE OUTLET AT EACH WALL COUNTER SPACE 12 INCHES OR WIDER. OUTLETS AT COUNTERTOPS SHALL BE INSTALLED SO THAT NO POINT ALONG THE WALL LINE IS MORE THAN 24 INCHES MEASURED HORIZONTALLY FROM AN OUTLET IN THAT SPACE. AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH ISLAND COUNTER SPACE WITH A LONG DIMENSION OF 24 INCHES OR GREATER AND A SHORT DIMENSION OF 12 INCHES OR GREATER. AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH PENINSULAR COUNTER SPACE WITH A LONG DIMENSION OF 24 INCHES OR GREATER AND A SHORT DIMENSION OF 12 INCHES OR GREATER. COUNTERTOP SPACES SEPARATED BY RANGE TOPS, REFRIGERATORS OR SINKS SHALL BE CONSIDERED SEPARATE COUNTERTOP SPACES IN
- APPLYING THESE REQUIREMENTS. PROVIDE 3-WAY SWITCHING AT ALL INTERIOR STAIRS. SWITCHES SHALL BE LOCATED IN THE VICINITY OF THE STAIRWAY HALLWAYS 10 FEET OR LONGER SHALL HAVE AT LEAST ONE RECEPTACLE OUTLET. HALL LENGTH SHALL BE MEASURED ALONG THE CENTERLINE OF THE HALL WITHOUT PASSING THROUGH A DOORWAY
- PROVIDE A MINIMUM OF ONE 20-AMP BRANCH CIRCUIT FOR RECEPTACLES SERVING THE LAUNDRY AREA AND NO OTHER AREA. AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED TO SERVE LAUNDRY AREAS. WALL RECEPTACLES SHALL BE INSTALLED SO THAT NO POINT ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAN 6 FEET MEASURED HORIZONTALLY FROM AN OUTLET IN THAT SPACE. RECEPTACLES SHALL, INSOFAR AS
- PRACTICABLE, BE SPACED EQUAL DISTANCES APART LIGHTING OUTLETS SHALL BE INSTALLED AT INTERIOR STAIRWAYS AND SHALL BE CONTROLLED BY A WALL SWITCH AT EACH FLOOR LEVEL (3-WAY) LIGHTING FIXTURES LOCATÉD IN DAMP OR WET LOCATIONS SHALL BE "LISTED' TO BE SUITABLE FOR USE IN SUCH
- RECESSED INCANDESCENT LIGHTING FIXTURES SHALL BE THERMALLY PROTECTED AND "LISTED" TO BE SUITABLE FOR INSULATION CONTACT
- LIGHTING FIXTURES LOCATED IN CLOSETS, SHALL BE SURFACE-MOUNTED ON THE WALL ABOVE THE DOOR OR ON THE CEILING PROVIDED THERE IS 12 INCHES BETWEEN THE FIXTURE AND STORAGE SPACE OR SHALL BE RECESSED ABOVE THE DOOR OR ON THE CEILING PROVIDED THERE IS 6 INCHES BETWEEN THE FIXTURE AND STORAGE SPACE.
- PROVIDE AND INSTALL LOCALLY CERTIFIED CARBON MONOXIDE DETECTORS AS REQUIRED BY ILLINOIS STATE LAW. LOCATE APPROVED HARDWIRED BATTERY BACKUP CARBON MONOXIDE DETECTORS WITHIN 15 FEET OF EACH BEDROOM AND ON EVERY FLOOR CONTAINING FOSSIL FUEL-BURNING EQUIPMENT OR SLEEPING UNITS.

ALL ELECTRICAL CONDUIT. WIRES. ETC. WHICH PENETRATE FLOORS OR ROOFS SHALL BE SEALED OFF AT EACH FLOOR LINE OR ROOF WITH UL FIRE RATED SEALANT SYSTEM OF THE SAME FIRE RATING AS THE FLOOR OR ROOF ASSEMBLY. SEE HILTI THROUGH PENETRATION FIRESTOP SYSTEMS MANUAL FOR SPECIFIC FIRE STOP MATERIALS AND APPLICATIONS FOR THE PARTICULAR WALL, FLOOR/CEILING OR ROOF/CEILING SYSTEM BEING USED. SEE MATRIX FOR PROTECTION REQUIREMENTS LISTED IN HOURS OR FRACTIONS THEREOF.

GENERAL PLUMBING NOTES

PLUMBING IS DESIGN-BUILD

PLUMBING SYSTEMS AND COMPONENTS INCLUDING APPLIANCE INSTALLATION SHALL COMPLY WITH THE ILLINOIS PLUMBING CODE AND REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.

ALL DISSIMILAR METALLIC MATERIALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO PREVENT GALVANIC ACTION. CAULK ALL TOILETS TO FLOORS, COUNTERTOPS TO WALLS, TUBS AND SHOWERS TO FLOOR AND WALLS. USE SILICONE SEALANT COLOR TO BE CLEAR OR MATCH FIXTURE.

CAULK ALL KITCHEN AND DISHWASHING EQUIPMENT AND BACKSPLASHES AT WALL. USE SILICONE SEALANT, COLOR TO BE CLEAR OR MATCH FIXTURE.

PLUMBING AND HEATING CONTRACTORS SHALL APPROPRIATELY INSULATE ALL PLUMBING AND HEATING WATER PIPING WHICH OCCURS IN EXTERIOR WALLS TO PREVENT FREEZING OF PIPE AND FITTINGS. PROVIDE ELECTRIC HEAT TRACING IF REQUIRED

THE SECOND DRAIN TILE INSTALLED BELOW THE SLAB AT THE INTERIOR PERIMETER SHALL NOT BE CONNECTED TO A SUMP PIT BUT SHALL BE CONNECTED INSTEAD TO A 4 INCH SOLID PVC SCHEDULE 40 STUB WHICH WILL PENETRATE THE CONCRETE FLOOR IN SUCH A LOCATION AS TO BE CONCEALED IN CONSTRUCTION AND PROVIDE A PATH FOR THE CONTINUATION OF THE 4 INCH PIPE THROUGH THE ROOF FOR PASSIVE RADON MITIGATION. THE PIPE SO INSTALLED SHALL BE MARKED PERMANENTLY BOTH IN THE ATTIC AND AT INTERVALS WITHIN CONSTRUCTION TO IDENTIFY ITS PURPOSE. "RADON VENT, NO PLUMBING DRAIN, WASTE OR VENT MAY BE CONNECTED TO THIS PIPE." SOLID PIPING AND FLASHINGS TO BE PROVIDED AND INSTALLED BY THE PLUMBING SUBCONTRACTOR, TILE BELOW THE FLOOR TO BE PROVIDED AND INSTALLED BY THE EXCAVATION/DRAINAGE CONCRETE SUBCONTRACTOR.

ALL PLUMBING PIPING, ETC. WHICH PENETRATE FLOORS OR ROOFS SHALL BE SEALED OFF AT EACH FLOOR LINE OR ROOF WITH UL FIRE RATED SEALANT SYSTEM OF THE SAME FIRE RATING AS THE FLOOR OR ROOF ASSEMBLY. SEE HILTI THROUGH PENETRATION FIRESTOP SYSTEMS MANUAL FOR SPECIFIC FIRE STOP MATERIALS AND APPLICATIONS FOR THE PARTICULAR WALL, FLOOR/CEILING OR ROOF/CEILING SYSTEM BEING USED. SEE MATRIX FOR PROTECTION REQUIREMENTS LISTED IN HOURS OR FRACTIONS THEREOF.

IN CONCEALED LOCATIONS, WHERE PIPING, OTHER THAN CAST-IRON OR GALVANIZED STEEL, IS INSTALLED THROUGH HOLES OF NOTCHES IN FRAMING LESS THAN 1.5 INCHÉS FROM THE NEAREST EDGE OF THE MEMBER, THE PIPE SHALL BE PROTECTED BY SHIELD PLATES. PROTECTIVE SHIELD PLATES SHALL BE A MINIMUM 0.063 INCH THICK STEEL, SHALL COVER THE AREA OF THE PIPE WHERE THE MEMBER IS NOTCHED OR BORED AND SHALL EXTEND A MINIMUM OF 2 INCHES ABOVE SOLE PLATES AND

PIPES PASSING THROUGH OR UNDER WALLS SHALL BE PROTECTED FROM BREAKAGE AND AGAINST EXTERNAL CORROSION BY MATERIALS THAT WILL WITHSTAND ANY REACTION FROM LIME AND ACID OR CONCRETE, CINDER OR OTHER CORROSIVE

WHERE SLEEVES ARE USED, THE ANNULAR SPACE BETWEEN SLEEVES AND PIPES SHALL BE FILLED OR TIGHTLY CAULKED AS APPROVED BY THE BUILDING OFFICIAL. WHERE SLEEVES AND PIPES PASS THROUGH FIRE-RATED ASSEMBLIES, THE ANNULAR SPACE SHALL BE FILLED WITH APPROPRIATE MATERIALS TO MAINTAIN THE FIRE RATING OF THE ASSEMBLY.

PIPES THAT PASS UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL BE PROVIDED WITH A RELIEVING ARCH; OR THERE SHALL BE BUILT INTO THE MASONRY/CONCRETE WALL, A SLEEVE TWO PIPE SIZES GREATER THAN THE PIPE PASSING

POTABLE WATER SUPPLY SYSTEMS SHALL BE INSTALLED IN SUCH A MANNER AS TO PREVENT CONTAMINATION FROM NONPOTABLE LIQUIDS, SOLIDS, OR GASSES BEING INTRODUCED INTO THE POTABLE WATER SUPPLY. CONNECTIONS SHALL NOT BE MADE TO A POTABLE WATER SUPPLY IN A MANNER THAT COULD CONTAMINATE THE WATER SUPPLY OR PROVIDE A CROSS-CONNECTION BETWEEN THE SUPPLY AND THE SOURCE OF CONTAMINATION UNLESS AN APPROVED BACKFLOW-PREVENTION

BACKFLOW PROTECTION SHALL BE PROVIDED AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION

HOSE BIBS, SILLCOCKS, WALL HYDRANTS AND OTHER OPENINGS WITH A HOSE CONNECTION SHALL BE PROTECTED BY AN ATMOSPHERIC-TYPE OR PRESSURE-TYPE VACUUM BREAKER OR A PERMANENTLY ATTACHED HOSE CONNECTION VACUUM BREAKER AND FROST PROTECTED WHERE EXPOSED TO THE WEATHER OR UNTEMPERED ENVIRONMENT.

MAXIMUM STATIC PRESSURE SHALL BE 80 PSI. WHEN MAIN PRESSURE EXCEEDS THIS MAXIMUM, AN APPROVED PRESSURE REDUCING VALVE CONFORMING TO ASSE 1003 SHALL BE INSTALLED ON THE DOMESTIC WATER BRANCH MAIN OR RISER AT THE CONNECTION TO THE WATER-SERVICE PIPE.

WHEN A PRESSURE-REDUCING VALVE IS INSTALLED OR WHEN ANY SUCH DEVICE SUCH AS A BACKFLOW PREVENTER OR CHECK VALVE IS INSTALLED AND STORAGE WATER HEATING EQUIPMENT IS UTILIZED, AN APPROVED DEVICE FOR THERMAL EXPANSION CONTROL SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. WHERE THE FLOW VELOCITY OF THE WATER SYSTEM MAY BE AFFECTED BY QUICK-CLOSING VALVES, WATER-HAMMER

EJECTOR PIT SHALL HAVE A BACK-CHECK VALVE INSTALLED ON A 2" DISCHARGE WASTE LINE. TOP EDGE OF SUMP PIT SHALL BE INSTALLED 2" ABOVE THE FINISHED FLOOR. SUMP PUMP SHALL BE PROVIDED WITH A BACK-CHECK VALVE. BOTH SUMP AND EJECTOR PITS SHALL BE SEALED. COORDINATE LOCATION OF SUMP PIT WITH CONCRETE SUBCONTRACTOR AND OWNER.

ARRESTORS CONFORMING TO ASSE 1010 SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS

BARANSKI HAMMER **MORETTA & SHEEHY** ARCHITECTS AND PLANNERS

> 1101 BENCH STREET GALENA, IL 61036 Phone: 815-777-3960

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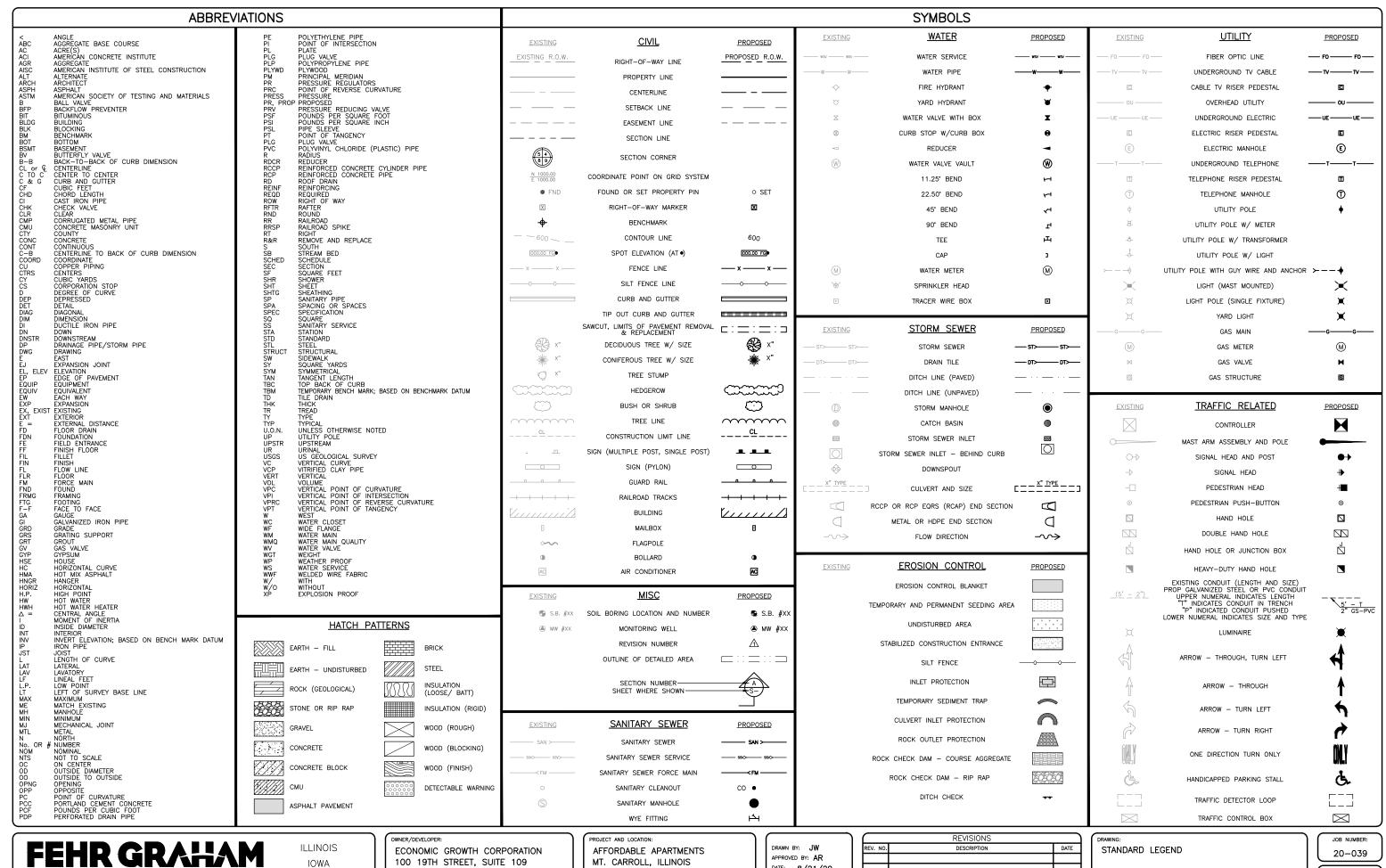
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NO. DATE		ISSUED FOR		
	10/10/2022	BID SET		

SHIMER SQUARE

PHASE 1 - RBIG REHABILITATION S CLAY ST. MOUNT CARROLL, IL 61053

PROJECT NOTES



ENGINEERING & ENVIRONMENTAL

IOWA

WISCONSIN

ROCK ISLAND, IL 61201

DATE: 8/21/20 SCALE: AS NOTED

	REVISIONS	
REV. NO.	DESCRIPTION	DATE

SET TYPE: BID SET 10/10/2022

SHEET NUMBER

PLOT DATE: 8/21/20 © 2020 FEHR GRAHAM

GENERAL NOTES

- 1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MUNICIPAL CODE, CITY OF MT. CARROLL, ILLINOIS, CURRENT EDITION, THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION, "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," CURRENT EDITION, SPECIAL PROVISIONS AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION. SIGN CONSTRUCTION AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION.
- IN THESE CONTRACT DOCUMENTS MENTION IS MADE OF THE "ENGINEER", WHICH SHALL MEAN FEHR GRAHAM OR THEIR DULY AUTHORIZED AGENT. IN THESE CONTRACT DOCUMENTS MENTION IS MADE OF THE "OWNER", WHICH SHALL MEAN ECONOMIC GROWTH CORPORATION, OR THEIR DULY AWARDED AGENT.
- 3. AS PART OF THE BIDDING PROCEDURE, THE CONTRACTOR SHALL VERIFY THAT THE QUANTITIES FOR PAY ITEMS, AS PRESENTED IN THESE PLAN DOCUMENTS, ARE SUBSTANTIALLY CORRECT. IF DISCREPANCIES ARE DETECTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE DISCREPANCY PRIOR TO THE BID DATE.
- 4. QUANTITIES SHOWN ARE ESTIMATES FOR INFORMATION ONLY. PAYMENT WILL BE BASED ON ACTUAL QUANTITIES MEASURED IN THE FIELD OR ON PAYMENT LIMIT DETAILS.
- 5. THE CONTRACTOR SHALL BE PAID FOR MATERIALS AND EQUIPMENT SUCCESSFULLY INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AS MEASURED OR VERIFIED IN PLACE BY THE ENGINEER OR HIS AGENT.
- 6. IN CASE OF CONFLICT BETWEEN THE ABOVE MENTIONED SPECIFICATIONS, THE ENGINEER SHALL DETERMINE WHICH OF THE SPECIFICATIONS SHALL GOVERN. THE ENGINEER'S DECISION SHALL BE FINAL AND NO ADDITIONAL COMPENSATION SHALL BE AWARDED UNLESS APPROVED BY THE ENGINEER.
- 7. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY THE OWNER. IMPROVEMENT REPRESENTATIONS AS SHOWN ON THESE PLANS, ARE AS ACCURATE AS POSSIBLE FROM THE INFORMATION AVAILABLE. HOWEVER SOME FIELD REVISIONS MAY BE REQUIRED TO ACCOMMODATE UNFORESSEN CIRCUMSTANCES THE ENGINEER SHALL BE ADVISED OF AMY NECESSARY REVISIONS WITH SUFFICIENT LEAD TIME ALLOWED TO PROPERLY CONSIDER AND ACT UPON SAID REQUESTS. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED IN CONSTRUCTING THOSE IMPROVEMENTS AS DETAILED IN THIS ENGINEERING PLAN.
- 8. THE ENGINEER SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE OR REJECT THE WORKMANSHIP AND/OR MATERIALS WHICH GO TO MAKE UP IMPROVEMENTS AS DETAILED IN THESE PLANS AND SPECIFICATIONS.
- 9. GENERAL SAFETY PROVISION: TO PROVIDE DRIVERS WITH SAFE TRAVEL CONDITIONS DURING THE CONSTRUCTION PROJECT, AND TO PROVIDE SAFE WORKING CONDITIONS FOR ALL EMPLOYEES, THE RULES, REGULATIONS, AND CONDITIONS STATED BELOW WILL PREVAIL FOR THE DURATION OF THIS CONTRACT. ANY EMPLOYEE OF THE CONTRACTOR OR HIS SUBCONTRACTORS WHO REFUSES TO COMPLY WITH THESE GENERAL SAFETY PROVISIONS SHALL BE REMOVED FROM THE JOB SITE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS. THE CONTRACTOR AND ANY SUBCONTRACTORS RETAINED BY HIM SHALL COMPLY WITH THE STATE AND FEDERAL REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA), JULY 1, 1987 AS IT RELATES TO CONTRACTOR'S OPERATIONS.
- 10. THE CONTRACTOR SHALL COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.
- 11. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS NOT THE REDUCED SIZE PLANS
- 12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. COST OF MAINTAINING DRAINAGE FLOWS SHALL BE INCIDENTAL TO THE CONTRACT.
- 13. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR DISTURBED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS, MONUMENTS AND RIGHT-OF-WAY PINS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS. REPLACEMENT OF MONUMENTS WILL BE DETERMINED BY THE ENGINEER.
- 14. THE CONTRACTOR SHALL REMOVE, STORE, AND RELOCATE TO THE SATISFACTION OF THE ENGINEER ALL EXISTING SIGNAGE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS, AND CONSIDER THIS AS INCIDENTAL TO THE CONTRACT.
- 15. OUTSIDE THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATION NEAR ANY AND ALL EXISTING SIGNS OUTSIDE THE RIGHT-OF-WAY. ANY SIGNS REMOVED FOR CONSTRUCTION PURPOSES SHALL BE CAREFULLY REMOVED AND RE-ERECTED BY THE CONTRACTOR AT A LOCATION NEAREST TO THE ORIGINAL LOCATION, OR AT A LOCATION DETERMINED BY THE ENGINEER IN THE FIELD. REMOVAL AND RE-ERECTED SIGNS AND ANY DAMAGE DONE TO EXISTING SIGNS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 16. ALL ITEMS SHALL INCLUDE ALL THE NECESSARY MATERIALS AND LABOR TO COMPLETE THE ITEM IN PLACE. MATERIALS AND LABOR NOT SPECIFICALLY IDENTIFIED SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- 17. AT THE END OF EACH DAY, THE CONTRACTOR SHALL SECURE THE CONSTRUCTION WORK ZONE FROM POTENTIAL INTRUDERS
- 18. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES, AND VERIFY PAVEMENT ELEVATIONS WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING SHOWN COORDINATES TO KNOWN PROPERTY LINES. NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK.
- 19. THE CONTRACTOR SHALL CONTACT THE ENGINEER OF ANY ERRORS OR DISCREPANCIES WHICH MAY BE SUSPECTED IN LINES AND GRADES, AND SHALL NOT PROCEED WITH THE WORK UNTIL ALL LINES AND GRADES WHICH ARE BELIEVED TO BE IN ERROR HAVE BEEN VERIFIED OR CORRECTED BY THE ENGINEER OR HIS REPRESENTATIVE.
- 20. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF THEIR WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- 21. ALL ITEMS TO BE REMOVED AND NOT DEFINED AS A PAY ITEM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- 22. ALL EXCESS EARTH EXCAVATION, EXCESS MATERIALS, OR OTHER REMOVED ITEMS SHALL BE HAULED OFF—SITE AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE APPROVED BY THE OWNER.
- 23. THIS WORK SHALL BE IN ACCORDANCE WITH SECTION 201 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL OBSTRUCTIONS, TREES, DEBRIS AND BRUSH AS DESIGNATED BY THE OWNER AND AS INDICATED ON THE PLANS. ALL MATERIALS SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DURING CONSTRUCTION, CARE SHALL BE TAKEN TO MINIMIZE DAMAGE TO THE EXISTING TREES AND LANDSCAPING. ONLY THOSE ITEMS DESIGNATED BY THE OWNER SHALL BE REMOVED.
- 24. ALL ROADWAY REMOVAL ITEMS SHALL CONFORM TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION. ALL JOINTS BETWEEN THE PORTION REMOVED AND THAT LEFT IN PLACE SHALL BE SAWED TO SUCH A DEPTH THAT A CLEAN, NEAT EDGE WILL RESULT WITH NO SPALLING TO THE REMAINING PORTION. THE COST OF SAWING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. ADDITIONAL SAWING OR RE-SAWING MAY BE REQUIRED AS DIRECTED BY THE ENGINEER WITH NO ADDITIONAL COMPENSATION BEING ALLOWED. THE COST OF SAWCUTTING THE EXISTING PAVEMENT SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

GENERAL NOTES

- 25. WHEN ARTIFICIAL LIGHTING IS UTILIZED DURING NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC, AS WELL AS ADJOINING RESIDENTIAL AREAS.
- 26. THE CONTRACTOR IS REQUIRED TO STAY WITHIN THE NOTED PROPERTY BOUNDARIES RIGHT-OF-WAY AND EASEMENTS AS SHOWN IN THE PLANS. ANY ADDITIONAL EASEMENTS SHALL BE SECURED BY THE CONTRACTOR AT NO EXTRA COST.
- 27. ANY AREAS DAMAGED OR DISTURBED DURING THE PROJECT AS A DIRECT OR INDIRECT RESULT OF CONTRACTOR OPERATIONS, SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE ORIGINAL CONDITION. THE COST OF SAID RESTORATION OR REPAIR SHALL BE BORNE TOTALLY BY THE CONTRACTOR, WITH NO EXTRA COMPENSATION BEING AWARDED UNDER THIS CONTRACT. THE RESPONSIBILITY FOR THE REPAIR OR REPLACEMENT OF ANY UTILITY, STRUCTURE, LANDSCAPING, ETC., DAMAGED OR DESTROYED BY THE CONTRACTOR DURING MOBILIZATION OR CONSTRUCTION SHALL BE BORNE SOLELY BY THE CONTRACTOR, WITH NO EXPENSE BEING CHARGED TO THE ENGINEER OR OWNER. PRIOR TO ACCEPTANCE OF THIS REPAIR OR REPLACEMENT, THE CONTRACTOR SHALL PRESENT THE OWNER WITH A "SIGNOFF LETTER", SIGNED BY A RESPONSIBLE OFFICIAL OF THE OWNER OF THE DAMAGED UTILITY STATING THAT THE REPAIR OR REPLACEMENT IS ACCEPTABLE.

CONSTRUCTION STAKING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING THE PROPOSED IMPROVEMENTS AND SHALL INCLUDE THE COST
OF STAKING IN THEIR QUOTE. CONTROL POINTS ARE INDICATED ON THE PLANS.

EROSION CONTROL NOTES

- 1. UNLESS OTHERWISE SPECIFIED, ALL EROSION AND SEDIMENT CONTROL MEASURES AND THEIR MAINTENANCE, CLEARING AND REMOVAL SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- THIS WORK SHALL CONFORM TO THE APPLICABLE STANDARDS FROM THE ILLINOIS URBAN MANUAL, THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION, CURRENT EDITION, THE PROJECT SPECIFICATIONS, AND THE APPROPRIATE DETAILS.
- 3. A NOTICE OF INTENT (NOI) AND A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WILL BE COMPLETED AND SUBMITTED TO THE ILLINOIS EPA BY THE OWNER PRIOR TO CONSTRUCTION.
- 4. THE SWPPP SHALL BE CONSIDERED PART OF THE CONTRACT DOCUMENTS AND WILL BE AVAILABLE FOR REVIEW DURING THE BIDDING PROCESS.
- 5. A COPY OF THE SWPPP WILL BE PROVIDED TO THE SUCCESSFUL BIDDER. THE CONTRACTOR SHALL MAINTAIN ONE COPY OF THE SWPPP AT THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.
- 6. THE CONTRACTOR SHALL LEGIBLY MARK ANY CHANGES OR REVISIONS IMPLEMENTED TO THE SWPPP. AT COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL DELIVER THE SWPPP (INCLUDING ALL REVISIONS, RECORDS, AND INSPECTION REPORTS) TO THE OWNER.
- THE GENERAL CONTRACTOR AND ANY SUBCONTRACTOR RESPONSIBLE FOR SEDIMENT AND EROSION CONTROL MEASURES OR CONSTRUCTION ACTIVITIES THAT DISTURB SITE SOIL WILL BE REQUIRED TO CERTIFY THE SWPPP BEFORE A NOTICE TO PROCEED IS ISSUED.
- 8. A COPY OF THE LETTER OF NOTIFICATION OF COVERAGE, AND THE GENERAL NPDES PERMIT NO. ILR10 MUST BE POSTED IN A PROMINENT PLACE FOR PUBLIC VIEWING AT THE CONSTRUCTION SITE BY THE GENERAL CONTRACTOR.
- 9. THE CONTRACTOR SHALL IMPLEMENT THE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THESE EROSION CONTROL PLANS AND IN THE SWPPP BEFORE CONSTRUCTION BEGINS.
- 10. THE CONTROLS SHALL BE INSTALLED AS DETAILED AND WHERE INDICATED ON THE EROSION CONTROL PLAN SHEETS AND AS DIRECTED BY THE INSPECTOR.
- 11. SITE ACTIVITIES SHOULD ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE PRACTICABLE.
- 12. EXCEPT AS PROVIDED IN THE SWPPP, DISTURBED PORTIONS OF THE SITE SHALL BE STABILIZED (TEMPORARILY OR PERMANENTLY SEEDED, MULCHED, SODDED OR PAVED) AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 7 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
- 13. UNTIL SUCH TIME AS THE PROJECT SITE REACHES FINAL STABILIZATION AND A NOTICE OF TERMINATION IS FILED BY THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST, REPAIR, OR REPLACE, ALL VEGETATION, EROSION CONTROLS, SEDIMENT CONTROLS, AND ANY OTHER PROTECTIVE MEASURES AS REQUIRED IN ORDER TO MAINTAIN THEIR INTENDED FUNCTION IN A GOOD AND EFFECTIVE OPERATING CONDITION.
- 14. EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON—STORM WATER EXPECTED DURING THE CONSTRUCTION PROCESS THAT MAY BE COMBINED WITH STORM WATER DISCHARGES ARE IDENTIFIED IN THE SWPPP. THESE DISCHARGES SHALL BE DIRECTED AWAY FROM UNPROTECTED, BARE, OR OTHERWISE UNSTABILIZED SOIL, AND APPROPRIATE POLLUTION PREVENTION MEASURES SHALL BE IMPLEMENTED SO THAT THESE DISCHARGES DO NOT CAUSE EROSION OR DEGRADE THE QUALITY OF RUNOFF FROM THE CONSTRUCTION SITE.
- 15. REGULAR INSPECTIONS WILL BE MADE AS REQUIRED UNDER THE GENERAL NPDES PERMIT NO. ILR10 AND SPECIFIED IN THE SWPPP. A QUALIFIED INSPECTOR WILL BE PROVIDED BY THE OWNER. BASED ON THE RESULTS OF THE INSPECTIONS, POLLUTION PREVENTION MEASURES SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER EACH INSPECTION. SUCH REVISIONS SHALL BE IMPLEMENTED WITHIN 7 CALENDAR DAYS FOLLOWING EACH INSPECTION.
- 16. THE INSPECTOR SHALL HAVE AUTHORIZATION TO DETERMINE THE ADEQUACY OF THE CONTRACTOR'S EROSION CONTROL EFFORTS. THE OWNER OR THE INSPECTOR SHALL HAVE FULL AUTHORITY OVER THE GENERAL CONTRACTOR AND ANY SUBCONTRACTOR TO CAUSE POLLUTANT CONTROL MEASURES TO BE REPAIRED, MODIFIED, MAINTAINED, SUPPLEMENTED, OR WHATEVER ELSE IS NECESSARY IN ORDER TO ACHIEVE EFFECTIVE POLLUTANT CONTROL OR TO SUSPEND OR LIMIT THE CONTRACTORS OPERATIONS PENDING ADEQUATE PERFORMANCE.
- 17. PERIMETER EROSION BARRIER TO BE CONSTRUCTED OF SILT FENCE UNLESS NOTED OTHERWISE.
- 18. INLET PROTECTION SHALL BE A DANDY BAG, DANDY SACK, ROCSOC, OR APPROVED EQUAL
- 19. EROSION CONTROL BLANKET SHALL BE OF NORTH AMERICAN GREEN DS75 OR APPROVED EQUAL
- 20. A TEMPORARY CONCRETE WASHOUT FACILITY SHALL BE CONSTRUCTED AT A LOCATION APPROVED BY THE ENGINEER. WASHOUT FACILITY SHALL BE UTILIZED FOR ALL APPLICABLE OPERATIONS.

EROSION CONTROL NOTES

- 21. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED, TO THE DIMENSIONS AS SHOWN, AT APPROVED LOCATIONS FOR THIS PROJECT. ALL CONSTRUCTION TRAFFIC MUST UTILIZE THE STABILIZED CONSTRUCTION ENTRANCES WHEN EXITING THE SITE. ALL COST FOR EROSION CONTROL AND RESTORATION WORK ASSOCIATED WITH THE APPROVED STABILIZED CONSTRUCTION ENTRANCES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 22. TEMPORARY EROSION CONTROL MEASURES INCLUDE TEMPORARY DITCH CHECKS, PERIMETER EROSION BARRIER, INLET AND PIPE PROTECTION, TEMPORARY SEEDING, AND ANY OTHER TEMPORARY EROSION CONTROL MEASURE NEEDED TO LIMIT THE AMOUNT OF SOIL EROSION AND SEDIMENTATION DURING CONSTRUCTION.
- 23. AT THE COMPLETION OF THE PROJECT, ALL TEMPORARY EROSION CONTROL ITEMS SHALL BE REMOVED FROM THE SITE, AND BECOME THE PROPERTY OF THE CONTRACTOR. CONTRACTOR MUST STABILIZE ANY AREA DISTURBED BY THE REMOVAL OF EROSION CONTROL ITEMS.
- 24. CONTRACTOR SHALL CLEAN ANY DEBRIS TRACKED OFFSITE DAILY.

SEEDING OF DISTURBED AREAS

- 1. THE FINAL TOP 6" INCHES OF SOIL IN ANY DISTURBANCE AREA MUST BE A COHESIVE SOIL CAPABLE OF SUPPORTING VEGETATION.
- 2. FERTILIZER HAVING AN ANALYSIS OF 10-10-10 SHALL BE APPLIED AT A RATE OF 90 LBS/ACRE TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SOWING THE SEED.
- 3. THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS ADJACENT TO IMPROVEMENTS WITH SEEDING, IDOT CLASS 1A AND MULCH, IDOT METHOD 2 IN ACCORDANCE WITH IDOT STANDARD SPECIFICATION OR AS APPROVED BY THE ENGINEER EXCEPT IN AREAS WHERE EROSION CONTROL BLANKET IS CALLED FOR.
- 4. <u>GUARANTEE</u>: ALL SEEDED AREAS SHALL BE MAINTAINED AND MOWED FOR AT LEAST 30 DAYS AFTER GERMINATION. SCATTERED BARE SPOTS NO LARGER THAN TWO SQUARE FOOT WILL BE ALLOWED UP TO A MAXIMUM OF 5% OF ANY SEEDED AREA INCLUDING 30-DAY MAINTENANCE, MOWING AND WATERING AS NECESSARY.
- 5. THIS WORK SHALL CONFORM TO THE APPLICABLE STANDARDS FROM THE ILLINOIS URBAN MANUAL, THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTIONS, CURRENT EDITION, THE PROJECT SPECIFICATIONS, AND THE APPROPRIATE DETAILS.
- RESTORATION THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION OF THE IMPROVEMENTS AND RELATED APPURTENANCES OR AS PART OF ANY OF THEIR ACTIVITIES TO A CONDITION EQUAL TO OR BETTER THAN THE ORIGINAL CONDITION.

SANITARY SEWER

- ALL SEWER LINE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
- 2. STRUCTURAL FILL AROUND MANHOLE STRUCTURES SHALL BE AGGREGATE TYPE CA-6 AND SHALL BE MECHANICALLY COMPACTED IN 12 INCH LIFTS. COST SHALL BE INCIDENTAL TO THE MANHOLE.
- 3. MINIMUM HORIZONTAL CLEARANCE OF 10 FEET AND A MINIMUM VERTICAL SEPARATION OF 18 INCHES WITH THE WATER MAIN ABOVE MUST BE MAINTAINED AT ALL TIMES BETWEEN WATER MAINS AND SEWERS (STORM AND SANITARY). IF THE MINIMUM VERTICAL OR HORIZONTAL CLEARANCE CANNOT BE PROVIDED, THE SEPARATION REQUIREMENTS SHALL BE MET AS ILLUSTRATED AND SPECIFIED IN THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (LATEST EDITION).
- 4. ALL EXISTING MANHOLE CONNECTIONS SHALL BE CORE-DRILLED, UNLESS A PRE-CORED HOLE, SUITABLY LOCATED, EXISTS IN THE MANHOLE.
- 5. CONTRACTOR SHALL FURNISH ALL PIPE BEDDING. PIPE BEDDING MATERIAL SHALL BE AS SHOWN IN THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION. COST SHALL BE INCLUDED IN INITE
- SANITARY SEWER LENGTHS INDICATED ON THE PLANS REPRESENT THE DISTANCE FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.
- 7. SANITARY SEWER SLOPES INDICATED ON THE PLANS REPRESENT THE ACTUAL PIPE SLOPE FROM OUTSIDE MANHOLE WALL TO OUTSIDE MANHOLE WALL.
- SANITARY MANHOLES SHALL BE CONSTRUCTED OF PRECAST CONCRETE SECTIONS CONFORMING TO ASTM C-478 WITH APPROVED STEPS.
- 9. ALL NEW SANITARY MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE WITH ASTM C1244
- 10. CONTRACTOR SHALL INSTALL APPROVED EXTERNAL SEALS ON ALL MANHOLE CASTINGS AND BARREL SECTION JOINTS.
- 11. ALL SERVICE LOCATIONS ARE APPROXIMATE AND MAY BE CHANGED IN THE FIELD WITH THE APPROVAL OF THE INSPECTOR. NO ADDITIONAL COMPENSATION WILL BE AWARDED DUE TO REVISED LOCATION.
- DEFLECTION TESTING SHALL REQUIRE A THIRTY (30) DAY DELAY FROM THE DATE THE SEWER TRENCH IS BACKFILLED AS REQUIRED BY IEPA REQUIREMENTS.
- 13. SANITARY SEWER SERVICE STUBS SHALL BE LAID AT A MINIMUM SLOPE OF 1.00% AND HAVE MINIMUM COVER OF 6'.
- 14. TRENCH BACKFILL IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION, SHALL BE USED WHERE SEWERS OR WATER MAINS ARE UNDER PAVEMENTS OR WALKS. MECHANICAL COMPACTION AND SELECT TRENCH BACKFILL ARE REQUIRED. COST SHALL BE INCLUDED IN UNIT PRICE OF PIPE.
- 15. ALL PVC SANITARY SEWERS SHALL BE SDR35 PIPE CONFORMING TO ASTM D-3034 (4"-15" DIAMETER) OR ASTM F-679 (18"-30" DIAMETER) WITH D-3212 JOINTS. WHERE REQUIRED, ALL WATER MAIN QUALITY PVC PIPE SHALL BE SDR26 CONFORMING TO ASTM D-2241 (4"-15" DIAMETER) OR PS115 PER ASTM F-679 (18"-30" DIAMETER) WITH ASTM D-3139 JOINTS. BEDDING FOR ALL PVC PIPE SHALL BE CLASS IA, PER ASTM D-2321-7.
- 16. AN OWNER REPRESENTATIVE SHALL BE PRESENT DURING CONSTRUCTION OF SANITARY SEWERS AND SERVICES. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE DESIGNATED REPRESENTATIVE A MINIMUM OF 48 HOURS IN ADVANCE OF SAID CONSTRUCTION.

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

ILLINOIS IOWA

WISCONSIN

WNER/DEVELOPER:

ECONOMIC GROWTH CORPORATION 100 19TH STREET, SUITE 109 ROCK ISLAND, IL 61201 ROJECT AND LOCATION:

AFFORDABLE APARTMENTS MT. CARROLL, ILLINOIS

DRAWN BY: JW
APPROVED BY: AR
DATE: 8/21/20
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STORM SEWER

- 1. STORM SEWERS THAT CROSS OVER ANY PROPOSED WATER MAIN SHALL BE CONSTRUCTED WITH RUBBER GASKETED JOINTS (ASTM C443).
- 2. ALL EXISTING MANHOLE CONNECTIONS MUST BE CORE-DRILLED, UNLESS A PRE-CORED HOLE, SUITABLY LOCATED, EXISTS IN THE MANHOLE.
- 3. THE LENGTH OF FLARED END SECTIONS IS NOT INCLUDED IN THE INDICATED PIPE LENGTH. HOWEVER, THE ENTIRE LENGTH OF THE FLARED END SECTION IS TAKEN INTO ACCOUNT FOR THE INDICATED SLOPE AND INVERT GRADES.
- CONTRACTOR SHALL FURNISH ALL PIPE BEDDING. PIPE BEDDING MATERIAL SHALL BE AS SHOWN IN THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION. COST SHALL BE INCLUDED IN UNIT PRICE OF PIPE.
- 6. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING STORM SEWER ELEVATIONS THAT PROJECT CONNECTS TO.

MATERIAL AND COMPACTION TESTING

 A GEOTECHNICAL REPRESENTATIVE WILL BE PROVIDED AND PAID FOR BY THE OWNER FOR ANY REQUIRED TESTING. THE CONTRACTOR IS RESPONSIBLE TO FOLLOW AND MEET GUIDELINES SET BY THE GEOTECHNICAL REPRESENTATIVE.

UTILITIES

- 1. UTILITIES SHOWN ON THE PLANS ARE FOR ILLUSTRATIVE PURPOSES ONLY AND NO GUARANTEE OF THEIR ACCURACY IS MADE OR INFERRED. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE DRAWINGS REPRESENT DATA RECEIVED FROM VARIOUS SOURCES. IT IS NOT GUARANTEED TO BE CORRECT OR ALL—INCLUSIVE. THE CONTRACTOR SHALL CONDUCT HIS OWN INVESTIGATION INTO THE LOCATION, SIZE, DEPTH AND NATURE OF ANY AND ALL EXISTING UTILITIES THAT MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ANY AND ALL UTILITY COMPANIES REGARDING ADJUSTMENTS NECESSARY. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE AND CONSIDERED INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND, OVERHEAD, OR SUFFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER OR REPLACED. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 2. THE CONTRACTOR MUST VERIFY AND LOCATE ALL EXISTING UTILITIES ON OR ADJACENT TO THE SITE. PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES, CONTACT J.U.L.I.E. AT 1-800-892-0123 (OR 811) FOR EXACT FIELD LOCATION OF UTILITIES. DAMAGE, AND THE COST THEREOF, TO ANY AND ALL UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY AND ALL EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE. THE ENGINEER AND SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF THE EXISTING UTILITIES SHOWN HEREON.
- IF THERE ARE ANY UTILITIES WHICH ARE NOT MEMBERS OF THE J.U.L.I.E. SYSTEM, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THIS AND REQUESTING SAID UTILITIES TO FIELD VERIFY AND MARK PERTINENT UTILITY LOCATIONS.
- 4. THE UTILITY LOCATIONS, DEPTHS, ETC. SHOWN ON THESE PLANS ARE APPROXIMATE ONLY, AND SHALL BE VERIFIED BY THE CONTRACTOR WITH ALL AFFECTED UTILITY COMPANIES PRIOR TO INITIATING CONSTRUCTION OPERATIONS; THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY FOR THE ADEQUACY, SUFFICIENCY OR EXACTNESS OF THESE UTILITY REPRESENTATIONS.
- 5. THE CONTRACTOR SHALL CONTACT THE NECESSARY UTILITY COMPANIES FOR ANY UTILITY RELOCATIONS. THE CONTRACTOR SHALL PAY FOR ALL COSTS ASSOCIATED WITH RELOCATION OF UTILITIES ON OR ADJACENT TO THE SUBJECT PROPERTY OR WITHIN THE ROAD RIGHT-OF-WAY.
- 5. TRENCH BACKFILL SHALL BE FILL MATERIAL TYPE A (GRAVEL OR CA6 CRUSHED STONE.) OR TYPE C (SAND FA-1 OR SAND FA-2) IN ACCORDANCE WITH AASHTO T27 GUIDELINES AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS", CURRENT EDITION. COST SHALL BE INCLUDED IN UNIT PRICE OF PIPE
- 7. TRENCH BACKFILL SHALL BE USED IN LOCATIONS WHERE THERE IS AN EXISTING OR PROPOSED PERMANENT SURFACE.
- 8. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION OR HAVE THE POTENTIAL FOR CREATING FUTURE PROBLEMS SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT AT AN APPROVED LOCATION OBTAINED BY THE CONTRACTOR, ACCORDING TO THE "STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS", CURRENT EDITION, AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 9. ANY AND ALL FIELD TILES AND OR STORM SEWERS DAMAGED OR ENCOUNTERED DURING THE CONSTRUCTION ACTIVITIES SHALL BE REPAIRED, REPLACED AND/OR CONNECTED IMMEDIATELY BY THE CONTRACTOR. COST FOR SAID REPAIRS, REPLACEMENT, AND/OR CONNECTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC CONTROL

- 1. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL TRAFFIC CONTROL ITEMS NECESSARY FOR THE CONSTRUCTION OF ITEMS WITH IN THE ROAD RIGHT-OF-WAY. ALL WORK PERFORMED SHALL HAVE TRAFFIC CONTROL IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
- ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC SHALL BE REFLECTORIZED PRIOR TO INSTALLATION
 AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT. ALL SIGNS SHALL BE FURNISHED,
 INSTALLED AND MAINTAINED BY THE CONTRACTOR. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- 3. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN CONDITIONS MAY REQUIRE THE ENGINEER TO MODIFY THE LOCATION OF THE TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES FROM THE TIME OF NOTIFICATION BY THE ENGINEER TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION, IMPROVEMENT OR MODIFICATION OF THE MAINTENANCE OF TRAFFIC CONTROL DEVICES. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ADJACENT TRAFFIC LANS OPEN TO TRAFFIC FROM DEBRIS BEING BLOWN OR OTHERWISE REMOVED FROM THE CONSTRUCTION AREAS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR KEEPING DEBRIS OFF THE ADJACENT TRAVELED LANE SURFACE. COST INCIDENTAL TO THE PROJECT.
- THE CONTRACTOR SHALL SUBMIT MAINTENANCE OF TRAFFIC AND STAGING OF CONSTRUCTION PLANS FOR APPROVAL BY THE ENGINEER PRIOR TO COMMENCING WORK.
- 5. THE CONTRACTOR SHALL PERFORM THE WORK UNDER STAGE CONSTRUCTION IN THE EVENT THAT THE CONTRACTOR WILL NEED TO CLOSE PUBLIC ROADS, CONTRACTOR SHALL SUBMIT PROPOSED DETOUR ROUTE AND ASSOCIATED SIGNAGE TO THE ENGINEER PRIOR TO COMMENCING WORK.
- 6. TRAFFIC CONTROL DEVICES, STREET NAME SIGNS, AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH VILLAGE OF MT. CARROLL ORDINANCES AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". LOCATIONS OF SIGNS AND MARKINGS SHALL BE SPECIFIED BY THE PLANS, AND/OR AS DIRECTED BY THE ENGINEER.
- 7. PROVIDE TO THE ENGINEER AND THE OWNER THE NAME AND PHONE NUMBER OF INDIVIDUALS RESPONSIBLE FOR MAINTAINING TRAFFIC CONTROL MEASURES DURING CONSTRUCTION. THIS INDIVIDUAL SHALL BE AVAILABLE TO CORRECT TRAFFIC CONTROL PROBLEMS 24 HOURS PER DAY.
- 8. THE CONTRACTOR SHALL NOTIFY THE POST OFFICE, POLICE DEPARTMENT, FIRE DEPARTMENT, 911 DISPATCH CENTER, ILLINOIS DEPARTMENT OF TRANSPORTATION, STATE POLICE, APPROPRIATE SCHOOL DISTRICT AND THE LOCAL AGENCY A MINIMUM OF 5 DAYS PRIOR TO CLOSING ANY PORTION OF THE STREET OR ALLEY.

SUBGRADES, SUBBASES, AND BASE COURSES

- 1. THE CONTRACTOR WILL BE REQUIRED TO SUBSTANTIATE BASE COURSE THICKNESSES AND FINISH PAVEMENT THICKNESSES. THE ENGINEER SHALL INSPECT BASE COURSE COREOUT PRIOR TO PLACING BASE COURSE TO ENSURE REQUIRED BASE COURSE DETH IS PRESENT. IN ADDITION, THE ENGINEER AND/OR THE CITY ENGINEER SHALL WITNESS THE PLACEMENT OF BITUMINOUS BINDER AND SURFACE COURSE. CORE DRILLING MAY BE REQUIRED TO DEMONSTRATE THAT BASE COURSE AND PAVEMENT THICKNESSES CONFORM TO THE SPECIFICATIONS. PRIOR TO PLACING BASE COURSE MATERIAL, THE CONTRACTOR SHALL TEST ROLL THE SUBGRADE, IN THE PRESENCE OF THE ENGINEER OR HIS AGENT TO DEMONSTRATE THAT SAID SUBGRADE IS READY FOR BASE. PRIOR TO PLACEMENT OF THE BITUMINOUS SURFACE, THE SAME VERIFICATION PROCEDURE SHALL BE PERFORMED ON THE BASE COURSE MATERIAL. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO PERFORMING ANY OF THE REQUIRED TESTS SO THAT A REPRESENTATIVE MAY BE PRESENT.
- 2. PRIOR TO ANY EMBANKMENT OR ROAD BASE BEING PLACED, SHOULD IT BE DETERMINED BY THE ENGINEER THAT THE SUBGRADE MATERIAL IS UNSUITABLE ON WHICH TO CONSTRUCT THE ROADWAY STRUCTURE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE UNSUITABLE MATERIAL TO THE SATISFACTION OF THE ENGINEER AND REPLACING SAME WITH STABILIZING SUBBASE CONSISTING OF SUBBASE GRANULAR MATERIAL, TYPE B IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION. TO HELP MINIMIZE THE AMOUNT OF SUBBASE MATERIAL INSTALLED FOR GROUND STABILIZATION, GEOTECHNICAL FABRIC MAY BE INSTALLED AS APPROVED BY THE ENGINEER. FABRIC SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 210 OF THE IDOT STANDARD SPECIFICATIONS. THE COARSE GAGREGATE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR SUBBASE GRANULAR MATERIAL, TYPE B. THE EXCAVATION AND DISPOSAL OF THE UNSUITABLE MATERIAL SHALL BE CONSIDERED INCIDENTAL TO SUBBASE GRANULAR MATERIAL, TYPE B. STABILIZING FABRIC SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR GEOTECHNICAL FABRIC FOR GROUND

EXCAVATION/EARTHWORK

- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATION NEAR ANY AND ALL EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 2. PRIOR TO STARTING EARTHWORK OR UTILITY TRENCHING, THE CONTRACTOR SHALL STRIP THE SITE OF TOPSOIL TO A DEPTH OF 6" AND TO THE LIMITS APPROVED BY THE ENGINEER. THIS MATERIAL SHALL BE STOCKPILED IN A REMOTE LOCATION OF THE SITE (APPROVED BY THE ENGINEER) UNTIL THE PLAN IMPROVEMENTS ARE COMPLETED AND THE EXCESS MATERIAL SPREAD AS DIRECTED. IT SHALL THEN BE THE RESPONSIBILITY OF THE CONTRACTOR TO SPREAD THIS TOPSOIL MATERIAL IN AREAS OF THE SITE, OVER AREAS WHERE EXCESS EXCAVATED MATERIAL, SAND, GRAVEL HAS BEEN SPREAD OR IN OTHER AREAS AS DESIGNATED BY THE ENGINEER. THE MATERIAL SHALL THEN BE COMPACTED TO A MINIMAL DEPTH OF 6" AND FINE GRADED IN A MANNER ACCEPTABLE TO THE ENGINEER. THIS WORK SHALL BE IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
- 3. CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (CCDD) REQUIREMENTS—"THE CONTRACTOR IS RESPONSIBLE FOR THE ASSESSMENT AND PROPER DISPOSAL OF ALL EXCESS SOIL AND SUBSURFACE MATERIALS THAT ARE NOT ABLE TO BE RE—USED ON THE PROJECT SITE AS SUITABLE CLEAN FILL. CONTRACTOR RESPONSIBILITY'S SHALL INCLUDE ALL REQUIRED SOIL SAMPLING, LABORATORY ANALYSIS, DISPOSAL PROFILING FEES, TRANSPORTATION, AND DISPOSAL TIPPING FEES AND SURCHARGES."
- ROCK REMOVAL TO BE PROVIDED BY MECHANICAL MEANS ONLY, NO BLASTING PERMITTED. ROCK EXCAVATION SHALL BE CONSIDERED WHEN THE PHYSICAL CHARACTERISTICS AND DIFFICULTY OF ROCK REMOVAL BY USE OF HYDRAULIC EXCAVATION IS DETERMINED BY ENGINEER TO NOT BE POSSIBLE. ROCK EXCAVATION TO BE PAID FOR AT THE BID PRICE FOR EXCAVATION.
- . ALL EXCAVATIONS FOR STRUCTURES AND PIPE SHALL BE KEPT DEWATERED DURING CONSTRUCTION UNTIL BACKFILL IS IN PLACE. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. (COST INCIDENTAL)
- 6. EARTH EXCAVATION SHALL CONFORM TO SECTION 202 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION. THIS WORK SHALL INCLUDE THE EXCAVATION OF ALL MATERIALS TO DESIGN SUBGRADE ELEVATIONS INDICATED IN THE PLANS.
- 7. SHEETING AND SHORING SHALL BE CONSIDERED INCIDENTAL TO CONTRACT IF REQUIRED.
- 8. WHENEVER THE CONTRACTOR WORKS NEAR EXISTING FACILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS DURING TRENCHING OPERATIONS, HE WILL BE REQUIRED TO HAND TRENCH IN THAT AREA IN ORDER NOT TO DAMAGE THESE FACILITIES. PUSH HOLES AND SEARCH HOLES THAT ARE DUG BY THE CONTRACTOR SHALL BE BACKFILLED BY TAMPING THE EXCAVATED MATERIAL BACK IN PLACE TO KEEP SETTLEMENT TO A MINIMUM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 9. EMBANKMENT WORK SHALL CONSIST OF THE CONSTRUCTION OF EMBANKMENTS BY DEPOSITING, PLACING AND COMPACTING EARTH, STONE, GRAVEL OR OTHER MATERIALS OF ACCEPTABLE QUALITY ABOVE THE NATURAL GROUND OR OTHER SURFACE IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
- 10. IF SUFFICIENT TOPSOIL IS NOT PRESENT, THE CONTRACTOR SHALL SPREAD FURNISHED TOPSOIL SO AS TO MEET THE REQUIREMENTS OF THE CONTRACT. FURNISHED TOPSOIL SHALL ONLY BE USED WITH APPROVAL BY THE ENGINEER. THIS FURNISHED TOPSOIL SHALL BE PAID FOR AS FURNISHED TOPSOIL IN PLACE, DEPTH SPECIFIED.
- 11. IN PROPOSED FILL AREAS FOR PAVEMENT AND EMBANKMENT, TOPSOIL AND TURF SHALL BE SCARIFIED AND REMOVED PRIOR TO CONSTRUCTING THE EMBANKMENT.

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

ILLINOIS IOWA

WISCONSIN

OWNER/DEVELOPER:

ECONOMIC GROWTH CORPORATION 100 19TH STREET, SUITE 109 ROCK ISLAND, IL 61201 ROJECT AND LOCATION:

AFFORDABLE APARTMENTS MT. CARROLL, ILLINOIS

DRAWN BY: JW
APPROVED BY: AR
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SHEET NUMBER

WATER

- 1. SITE CONTRACTOR TO COORDINATE WATER SERVICE TAP AND WATER MAIN ADJUSTMENTS WITH THE OWNER
- 2. WATER PIPE SHALL BE D.I. CLASS 52 UNLESS NOTED OTHERWISE ON THE PLANS.
- LEAKAGE TESTING OF THE WATER MAIN SHALL BE REQUIRED AS PER THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION. ANY DEFECTS FOUND IN THE NEW WATER MAIN WILL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE.
- 4. DISINFECTION OF THE WATER MAIN SHALL BE REQUIRED AS PER THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION. IN ACCORDANCE WITH THE REQUIREMENTS OF AWWA, THE ILLINOIS EPA,
- 5. CONTRACTOR SHALL MAINTAIN A MINIMUM EIGHTEEN INCH VERTICAL SEPARATION WITH WATER MAIN/WATER MAIN SERVICES AND SANITARY OR STORM SEWER AND MAINTAIN A MINIMUM TEN FEET HORIZONTAL SEPARATION BETWEEN ANY WATER MAIN/WATER MAIN SERVICES ENCOUNTERED AND THE SANITARY SEWER/SANITARY SEWER SERVICES AND STORM SEWER. ANY CHANGES TO THIS REQUIREMENT SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION.
- 6. EXISTING WATER MAIN SHUT DOWN TIME SHALL BE KEPT TO A MINIMUM AND BE COORDINATED WITH OWNER. NO USER SHALL BE WITHOUT WATER FOR MORE THAN 24 HOURS, UNLESS SPECIAL APPROVAL IS OBTAINED.
- 7. DIMENSIONS SHOWING WATER MAIN LOCATIONS ARE APPROXIMATE. THE HORIZONTAL ALIGNMENT MAY BE ADJUSTED WITH THE ENGINEER'S APPROVAL WHERE EXISTING BURIED UTILITIES MAY CONFLICT.
- 8. ALL FITTINGS (BENDS, TEES, CROSSES, AND PLUGS) REQUIRED TO COMPLETE THE INSTALLATION OF DUCTILE IRON WATER MAINS, AS SHOWN ON THE PLANS, SHALL BE INCLUDED AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR WATER MAIN.
- 9. WATER VALVE BOX ADJUSTMENTS SHALL BE DETERMINED ON SITE.
- 10. THRUST RESTRAINT SHALL CONFORM TO THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION. RESTRAINED JOINTS ARE REQUIRED FOR VERTICAL BENDS AND
- 11. THE CONTRACTOR SHALL PROVIDE 'WHIPS' AS NECESSARY FOR FLUSHING AND AIR RELEASE ON THE NEWLY CONSTRUCTED WATER MAINS. WHIPS SHALL BE CONSTRUCTED USING 1-INCH CORPORATION STOPS AND 1-INCH DIAMETER COPPER TUBING. WHEN ALL TESTING AND FLUSHING OPERATIONS HAVE BEEN COMPLETED, THE CORPORATION STOPS SHALL BE CLOSED AND THE COPPER TUBING SHALL BE CUT AND CAPPED. THE COST TO FURNISH, INSTALL AND REMOVE THE WHIPS SHALL BE INCLUDED IN THE UNIT PRICES FOR THE WATER MAINS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 12. EXISTING WATER MAIN AND SERVICE LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR. THIS WILL BE INCIDENTAL TO THE CONTRACT.
- 13. ALL WATER MAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION, AS WELL AS THE OWNER'S ADOPTED STANDARD WATER MAIN SPECIFICATIONS, CURRENT EDITION, ON FILE WITH THE ILLINOIS EPA DIVISION OF PUBLIC WATER SUPPLIES.
- 14. THE MINIMUM COVER FOR ALL WATER MAIN AND SERVICE PIPE IS 6 FEET (6') FROM FINISHED GRADE TO TOP OF PIPE.
- 15. ALL WATER MAINS UNDER AND WITHIN TWO FEET OF ANY EXISTING OR PROPOSED STREET PAVEMENT OR CURB SHALL BE BACKFILLED WITH GRANULAR BACKFILL MATERIAL. BACKFILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12 INCHES COMPACTED TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY.
- 16. ALL VALVES SHALL BE GATE VALVES MUELLER MODEL A-2360 OR APPROVED EQUAL, WITH MECHANICAL JOINTS, RESILIENT SEAT WEDGE TYPE, WITH CAST IRON OR DUCTILE IRON BODY, BRONZE MOUNTED, BRONZE NON-RISING STEM, DOUBLE DISC PATTERN, DESIGNED FOR 300 POUNDS WORKING PRESSURE MEETING AWWA STANDARD C509 OR C515. ALL VALVES SHALL OPEN LEFT. VALVES 14 INCHES AND LARGER SHALL BE BUTTERFLY AND SHALL BE INSTALLED IN A FIVE FOOT (5') DIAMETER VAULT WITH CAST IRON LID.
- 17. AFTER THE PRESSURE TEST HAS BEEN ACCEPTED, THE CONTRACTOR SHALL CHLORINATE THE WATER MAINS IN ACCORDANCE WITH THE REQUIREMENTS OF AWWA, THE ILLINOIS EPA, AND THE OWNER. HTH TABLETS SHALL NOT BE GLUED TO PVC
- 18. NO OBJECT MAY BE CONSTRUCTED, MAINTAINED, OR INSTALLED WITHIN 48 INCHES OF A FIRE HYDRANT. TREES, BUSHES, WALLS, OR OTHER OBSTACLES WHICH MAY HIDE OR IMPEDE THE USE OF A FIRE HYDRANT WILL NOT BE PERMITTED.
- 19 FIRE HYDRANTS SHALL COMPLY WITH STANDARDS SPECIFIED IN AWWA C502 FOR DRY BARREL FIRE HYDRANTS. FACH HYDRANT SHALL BE THE MECHANICAL JOINT TYPE EQUAL TO THOSE MANUFACTURED BY THE MUELLER COMPANY (SUPER CENTURION) OR APPROVED EQUAL. NO FIRE HYDRANTS SHALL BE LOCATED IN CUL-DE-SAC ISLANDS. HYDRANTS SHALL BE PAINTED IN CONFORMITY TO AWWA STD. C502. COLOR TO BE DETERMINED BY OWNER
- 20. FIRE HYDRANTS SHALL HAVE TWO 2-1/2 INCH NOZZLES AND ONE 4 INCH PUMPER CONNECTION WITH NATIONAL STANDARD HOSE THREADS. HYDRANTS SHALL BE OF DRY BARREL TYPE FOR NON-FREEZING WITH AUTOMATIC DRAIN ON EXTREME END OF HYDRANT AND NON-FLOODING WITH THE GATE SECURELY LOCKED IN PLACE. THE CHAIN SHALL BE OF PLATED STEEL CONSTRUCTION. HYDRANTS SHALL CLOSE WITH THE PRESSURE AND SHALL HAVE A SUFFICIENT NUMBER OF TURNS TO CLOSE HYDRANT SLOWLY ENOUGH TO ELIMINATE WATER HAMMER. THE GATE OF THE HYDRANT SHALL INSURE A RIGHT AND COMPLETE SHUTOFF. HYDRANTS SHALL BE OF SUCH DESIGN TO ALLOW FOR THE REMOVAL AND REPAIR OF THE INTERNAL MECHANISM WITHOUT DIGGING. EACH HYDRANT SHALL HAVE AN AUXILIARY GATE VALVE OF NOT LESS THAN 6 INCHES IN SIZE COMPLETE WITH CAST IRON VALVE BOX AND COVER AS SPECIFIED ABOVE. ALL HYDRANT LEADS SHALL BE A MINIMUM
- 21. HYDRANT INSTALLATION: HYDRANTS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH AWWA C600 AND RECOMMENDATIONS OF THE MANUFACTURER. ALL HYDRANTS SHALL STAND PLUMB AND SHALL HAVE THEIR NOZZLES PARALLEL WITH OR AT RIGHT ANGLES TO THE CURB, WITH PUMPER NOZZLE FACING THE CURB. HYDRANTS SHALL BE SET TO THE ESTABLISHED GRADE, AND HAVE A MINIMUM BURY DEPTH OF 6 FEET 6 INCHES, WITH THE CENTER OF THE PUMPER NOZZLE BEING 18 TO 24 INCHES ABOVE GRADE. PRECAUTIONS MUST BE TAKEN TO PROVIDE ADEQUATE DRAINAGE OF HYDRANTS WHERE NATURAL SOILS WILL NOT PROVIDE DRAINAGE. HYDRANT DRAINS SHALL NOT BE CONNECTED TO OR LOCATED WITHIN 10 FEET OF SANITARY SEWERS OR STORM DRAINS. HYDRANTS WILL BE SPACED AS DIRECTED BY THE OWNER. IN GENERAL, HYDRANT SPACING WILL BE ASSET LIPON THE ASPEA BEING SEPVED AND S PECOMMENDED BY THE STATE INSIDIANCE. HYDRANT SPACING WILL BE BASED UPON THE AREA BEING SERVED AND AS RECOMMENDED BY THE STATE INSURANCE SERVICES OFFICE.
- 22. THE CONTRACTOR SHALL CONTACT THE OWNER AT LEAST 48 HOURS PRIOR TO BEGINNING WORK ON THE WATER MAIN AND/OR SERVICE INSTALLATIONS AND SHOULD MAKE THE SITE AVAILABLE FOR INSPECTION AT REGULAR INTERVALS DURING CONSTRUCTION.
- 23. ALL HYDRANTS REMOVED SHALL BE SALVAGED TO THE APPROPRIATE UTILITY.
- 24. ALL WATER SERVICE INSTALLATIONS SHALL BE COMPLETED IN COMPLIANCE WITH THE STANDARDS AND REQUIREMENTS SET FORTH IN THE ILLINOIS PLUMBING CODE.



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ECONOMIC GROWTH CORPORATION 100 19TH STREET, SUITE 109 ROCK ISLAND, IL 61201

ROJECT AND LOCATION AFFORDABLE APARTMENTS

MT. CARROLL, ILLINOIS

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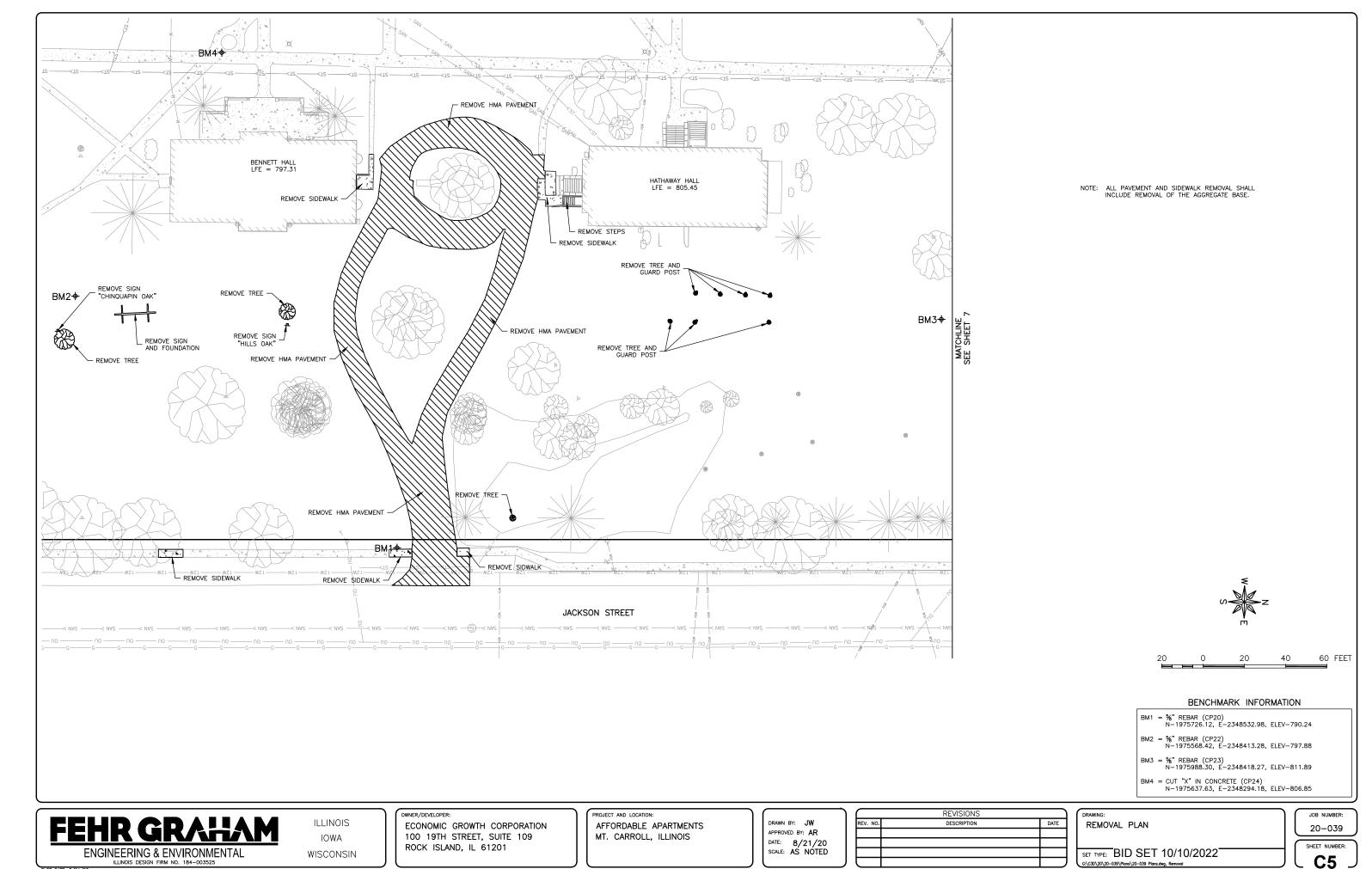
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GENERAL NOTES

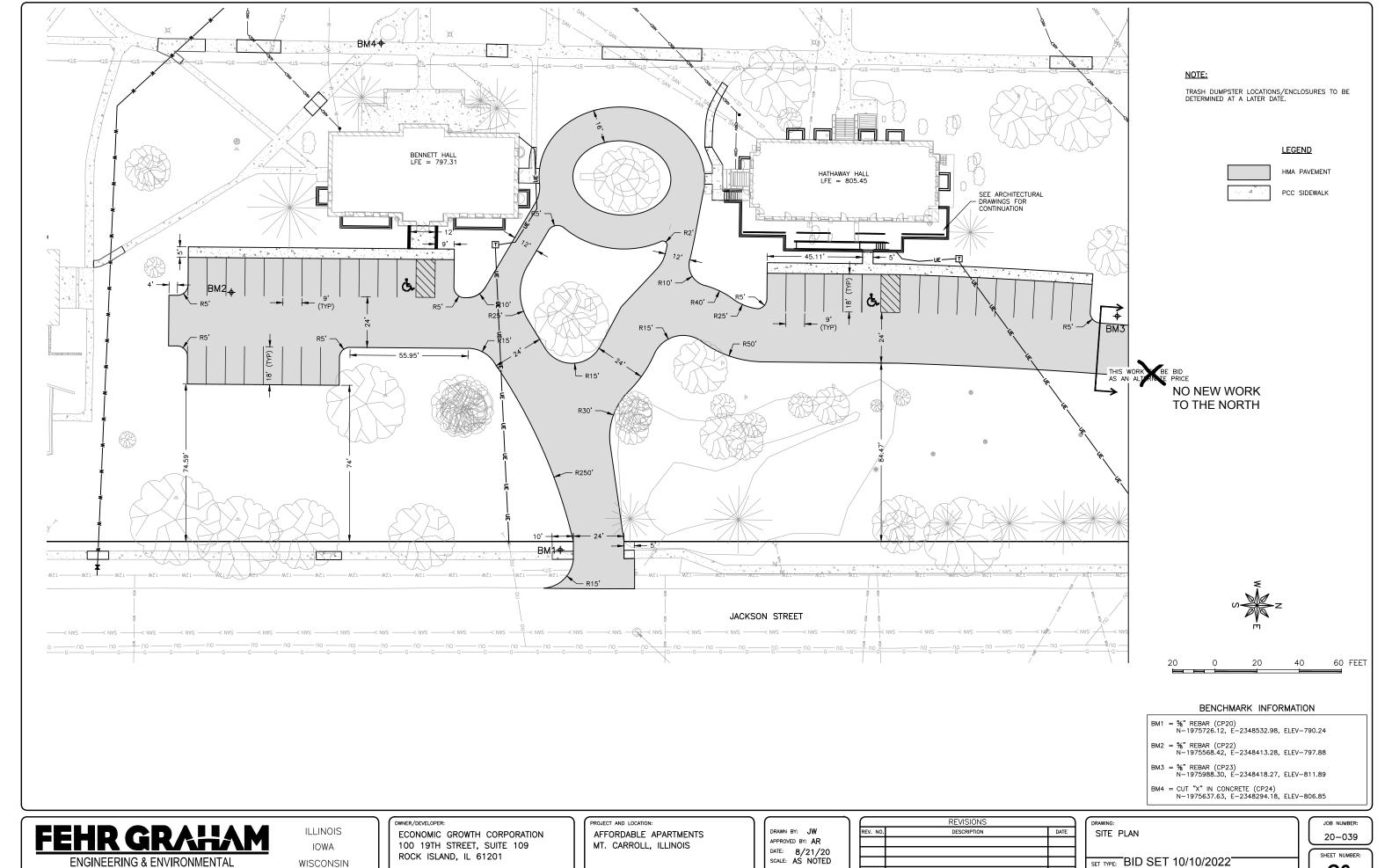
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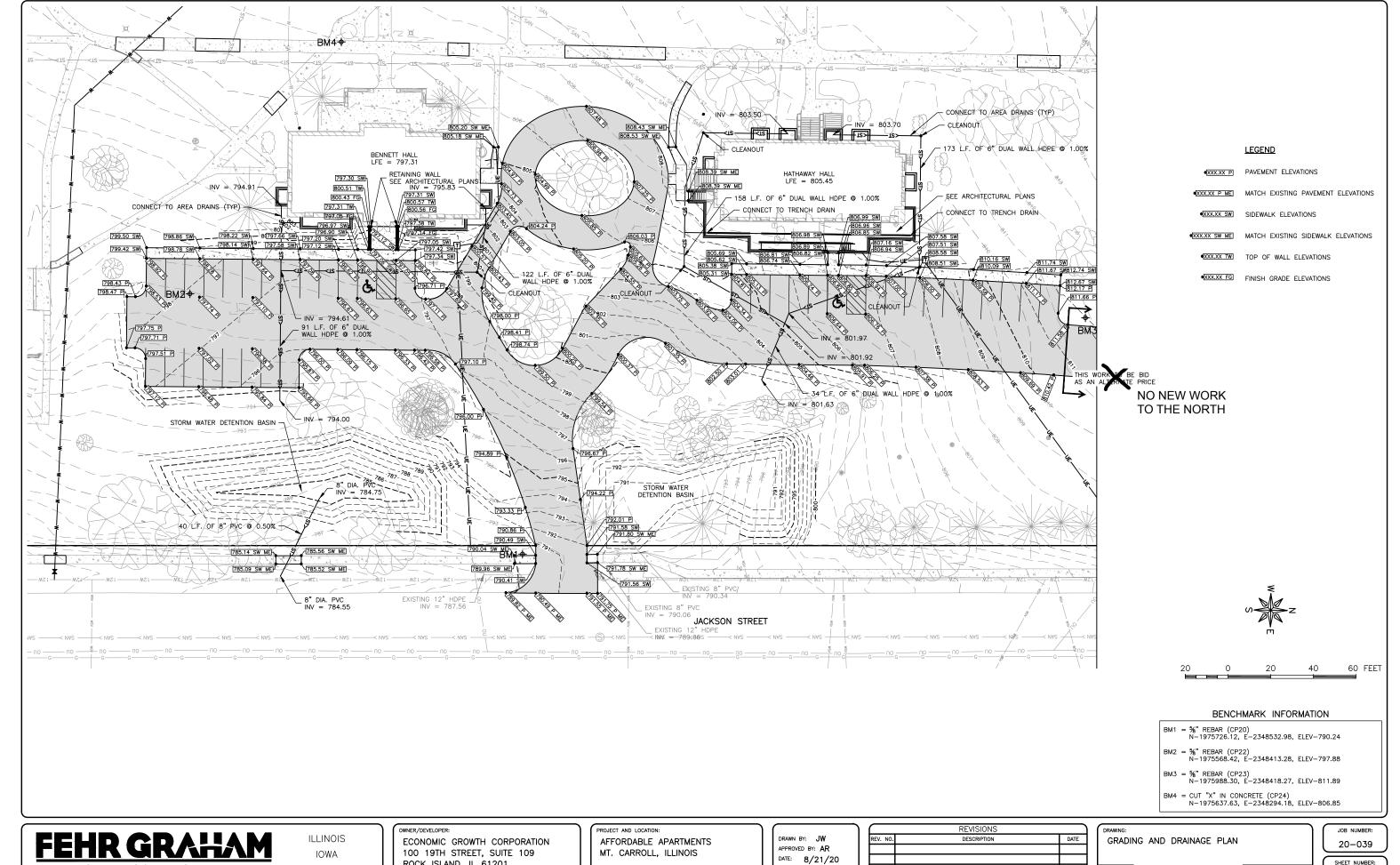
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ROCK ISLAND, IL 61201

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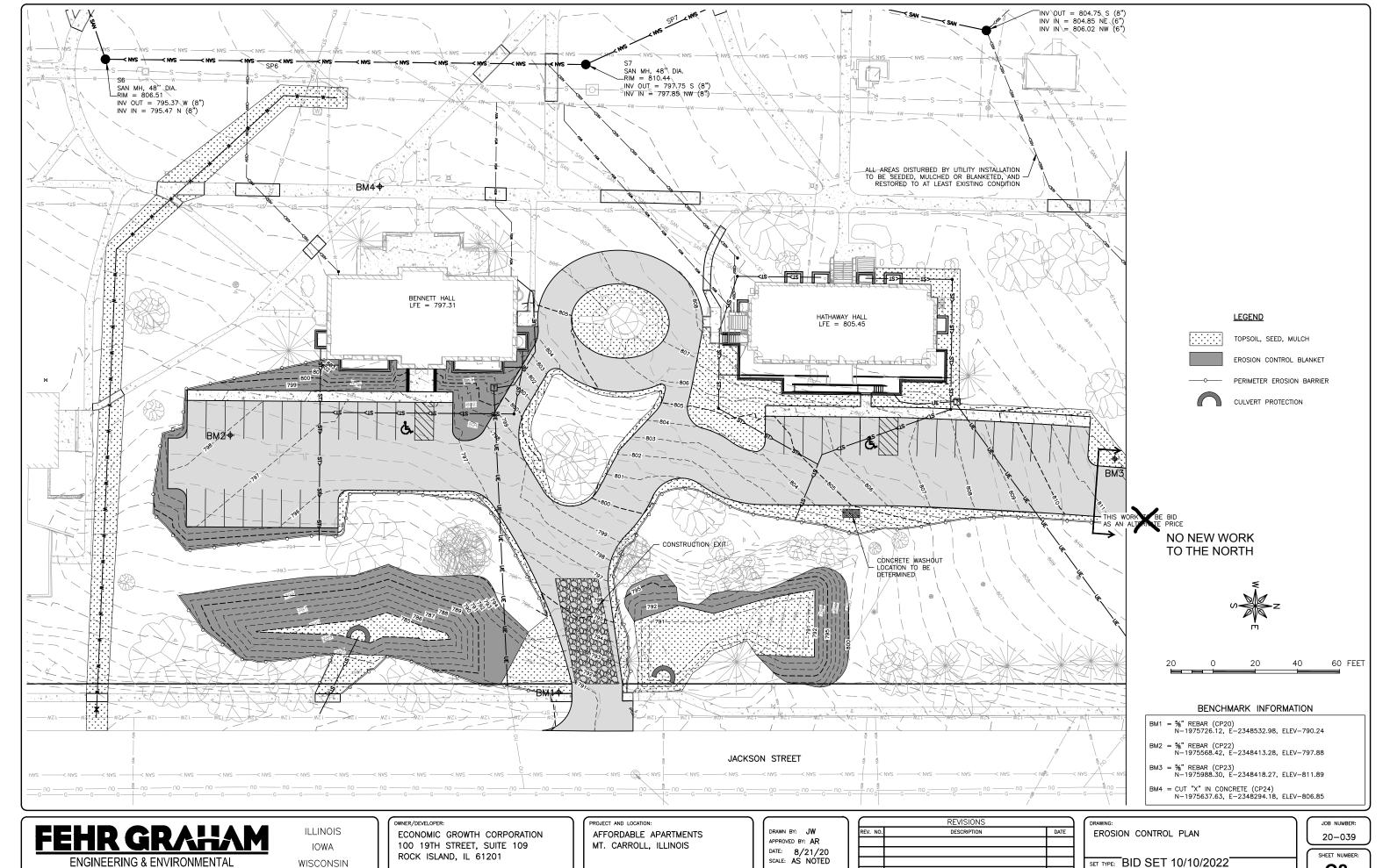
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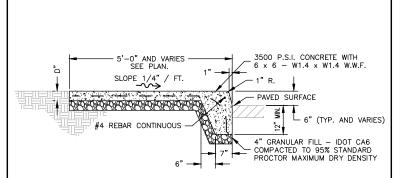
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SIDEWALK WITH INTEGRAL CURB

WALK CONSTRUCTED OF 3500 PSI CONCRETE WITH 5 - 8% AIR ENTERTAINMENT, 3/4" MAX. AGGREGATE SIZE TO A MINIMUM THICKNESS OF 4" WITH 6 \times 6 - 10/10 W.W.M. CONTINUOUS. WALK TO BE FINISHED WITH A FLOAT, STEEL TROWEL AND BARN BROOM FINISH WITH 4" TOOLED JOINTS AND EDGES. FORMED JOINTS TO BE FINISHED WITH A TOOL HAVING A 1/4" RADIUS.

INSTALL 1/2" WIDE EXPANSION JOINTS WITH BITUMINOUS JOINT FILLER AT 30'-0" O.C. (EXTEND FULL DEPTH OF WALK).

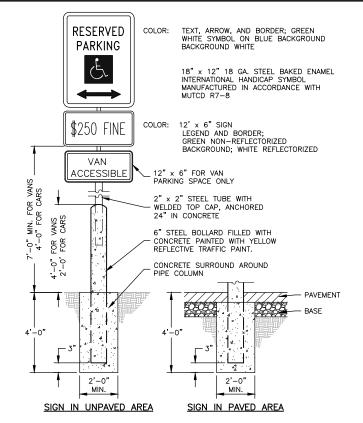
SCORE TOOLED JOINTS (1/2 D DEEP) AT 5'-0" O.C. UNLESS OTHERWISE NOTED.

INSTALL 1/2" WIDE BITUMINOUS ISOLATION JOINT WHERE SIDEWALK ABUTS A CURB, CONCRETE DRIVEWAY, STRUCTURE OR AT AN ADJACENT CURB JOINT (EXTEND FULL DEPTH OF WALK).

DEPTH D = 4" EXCEPT AT DRIVEWAYS WHERE D = 7".

SIDEWALK RAMPS AT DRIVES TO BE CONSTRUCTED ACCORDING TO IDOT STANDARD No. 424001 OR WDOT STANDARD S.D.D. 8D5-8.

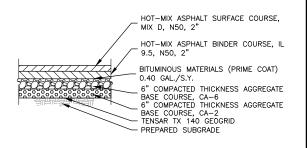
SIDEWALK DETAIL



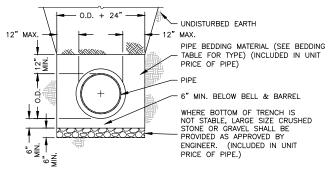
 $\underset{\mathsf{N.T.s.}}{\mathsf{ACCESSIBLE}} \ \ \underset{\mathsf{PARKING}}{\mathsf{PARKING}} \ \ \underset{\mathsf{N.T.s.}}{\mathsf{SIGN}} \ \ \text{WITH} \ \ \ \mathsf{BOLLARD} \ \ \ \mathsf{DETAIL}$

ŧ. _1:10 mak ₽₽ Ļę PARALLEL MID-BLOCK CURB RAME # (1.83 m) min DATE 1-1-19 MID-BLOCK CURB pared Upper landing, add **RAMPS FOR SIDEWALKS**

DETAILA



BITUMINOUS PAVEMENT CROSS SECTIONS N.T.S.

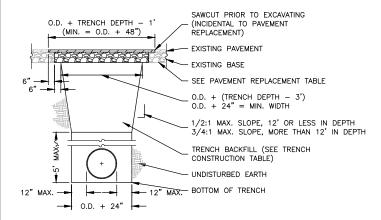


NOTE: MATERIAL FOR GRANULAR CRADLE FOR SEWAGE FORCE MAIN AND FOR WATER MAIN SHALL BE CLASS I, ASTM 2321. MAXIMUM PARTICLE SIZE SHALL NOT EXCEED 1/2".

PIPE BEDDING DETAIL

PIPE BEDDING TABLE

PIPE TYPE	APPLICATION	TRENCH BACKFILL BELOW BELL	PIPE BEDDING TYPE	REMARKS
D.I., V.C.P., CONC.	ALL SOIL TYPES	NO	TYPE C	INCLUDED IN UNIT PRICE OF PIPE
D.I., V.C.P., CONC.	WITH PAVEMENT REPLACEMENT	YES, 6"	GRANULAR TYPE C	INCLUDED IN UNIT PRICE OF PIPE
D.I., V.C.P., CONC.	ROCK EXCAVATION	YES, 6"	GRANULAR TYPE C	INCLUDED IN UNIT PRICE OF PIPE
PVC SDR 26/35 C-900/909	ALL SOIL TYPES	YES, 6"	GRANULAR ASTM D-2321 CLASS I	INCLUDED IN UNIT PRICE OF PIPE
PVC TRUSS WATER & SEWER	ALL SOIL TYPES	YES, 6"	GRANULAR ASTM D-2321 CLASS I	INCLUDED IN UNIT PRICE OF PIPE



NOTE: EXCAVATION SHALL BE PER OSHA STANDARDS PUBLICATION 2226.

MAX. PAVEMENT WIDTH FOR PAY PURPOSES IS CALCULATED BASED ON MINIMUM OSHA STANDARD.

IF SOIL CONDITIONS AND TRENCH DEPTH REQUIRE TRENCH WIDTH BEYOND LIMITS SHOWN IN THIS DETAIL, QUANTITIES FOR TRENCH BACKFILL AND PAVEMENT REPLACEMENT MAY BE INCREASED WITH THE APPROVAL OF THE ENGINEER.

TRENCH CONSTRUCTION AND PAVEMENT REPLACEMENT DETAIL N.T.S.

PAVEMENT REPLACEMENT TABLE

PAVING TYPE	DESCRIPTION OF MATERIAL & PAVEMENT	THICKNESS		
HOT-MIX ASPHALT PAVEMENT	AGGREGATE BASE COURSE, TYPE B, COMPACTED TO 95% DENSITY	12"		
REPLACEMENT	HOT-MIX ASPHALT BINDER, N50 - 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 2"	4" MIN.		
GRAVEL PAVEMENT REPLACEMENT				
CONCRETE	AGGREGATE BASE COURSE, TYPE B, COMPACTED TO 95% DENSITY	6"		
	PORTLAND CEMENT CONCRETE BASE COURSE - 9"	9"		
SEAL COAT	AGGREGATE BASE COURSE, TYPE B, COMPACTED TO 95% DENSITY	10"		
PAVEMENT REMOVAL & REPLACE: 2 COATS SEAL COAT AGGREGATE 2 COATS SEAL COAT MATERIAL 1 COAT PRIME COAT		25 LB/S.Y. 0.4 GAL/S.Y. 0.4 GAL/S.Y.		

TRENCH CONSTRUCTION TABLE

SURFACE TYPE	TRENCH BACKFILL TYPE		
NO PAVEMENT	JOB EXCAVATED MATERIAL, WATER JETTED OR MECHANICALLY COMPACTED IN 12" LIFTS, NO LARGE ROCKS OR ANY ORGANIC DEBRIS		
PAVEMENT (INCLUDING GRAVEL)	APPROVED TRENCH BACKFILL COMPACTED IN 12" LIFTS TO 95% OPTIMUM DENSITY INCIDENTAL TO PIPE		



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SIDE CURB DETAIL

ECONOMIC GROWTH CORPORATION 100 19TH STREET, SUITE 109 ROCK ISLAND, IL 61201

AFFORDABLE APARTMENTS MT. CARROLL, ILLINOIS

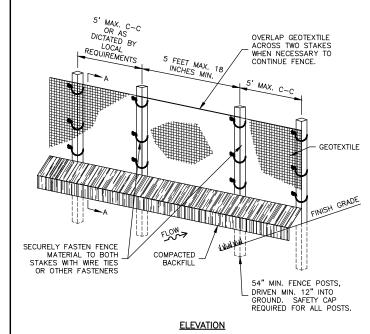
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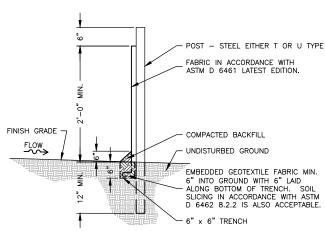
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DETAILS

20-039

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SECTION A - A

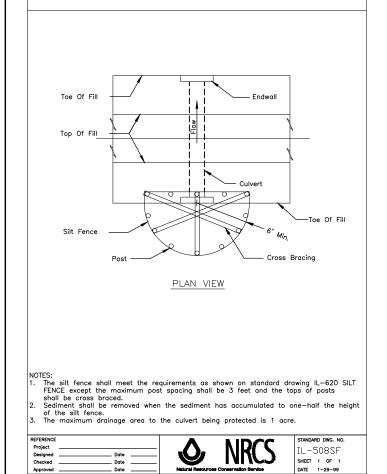
NOTE: INSTALLATION SHALL COMPLY WITH ASTM D 6462 LATEST EDITION.

GEOTEXTILE TO BE FASTENED SECURELY TO STAKES.

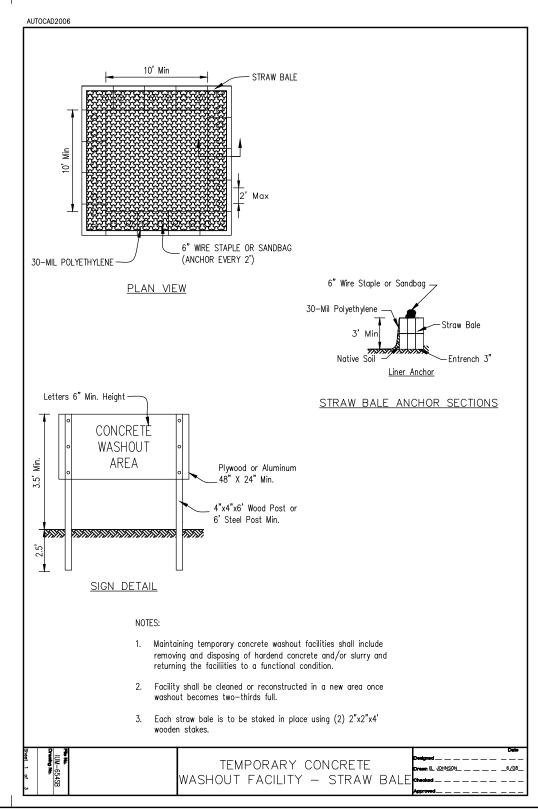
WHEN TWO SECTIONS OF GEOTEXTILE ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 18 to 60 INCHES AS SHOWN.

MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE SWPPP. COLLECTED MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE WITHOUT WIRE SUPPORT DETAIL



CULVERT INLET PROTECTION - SILT FENCE



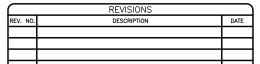
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PROJECT AND LOCATION AFFORDABLE APARTMENTS MT. CARROLL, ILLINOIS

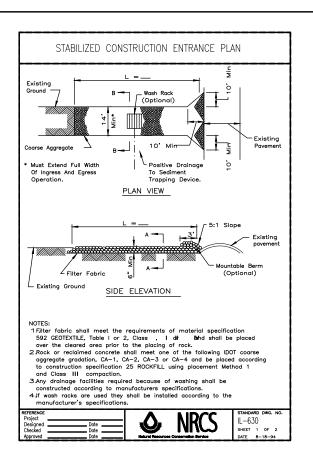
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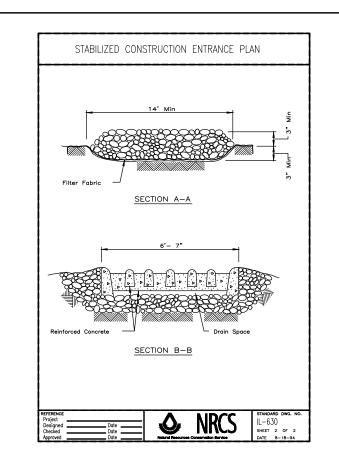


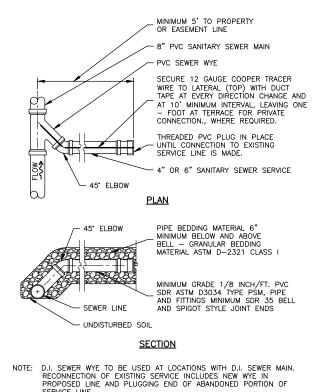
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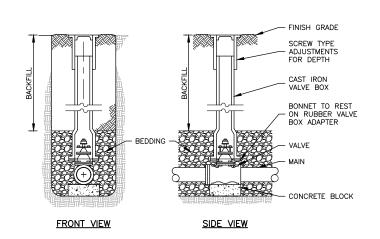






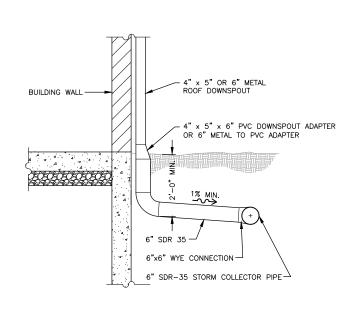
SANITARY SEWER SERVICE DETAIL

SOLID CAST IRON COVER FLUSH WITH SURFACE

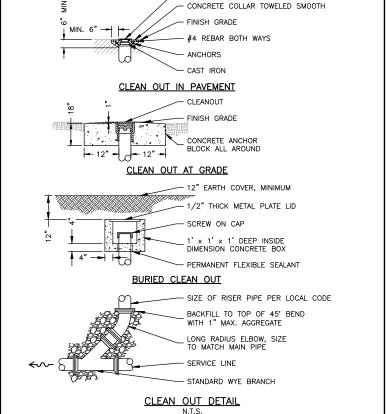


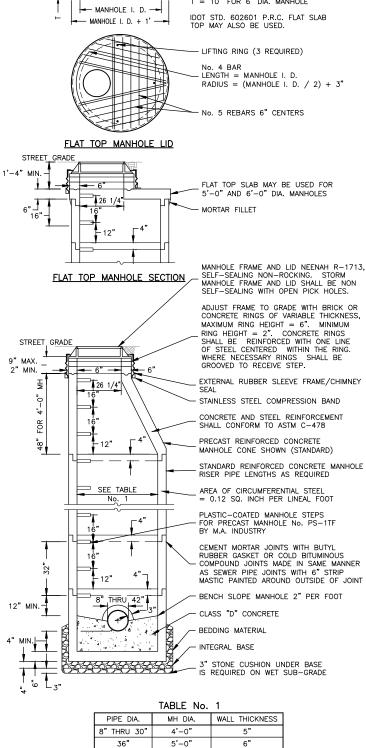
VALVE (SIZE ") AND BOX SHALL INCLUDE VALVE, VALVE BOX, BLOCKING AND ANY ADJUSTMENTS NEEDED TO MATCH FINISH GRADE. THIS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR THE TYPE OF VALVE (SIZE ") AND BOX AS INDICATED ON THE

VALVE AND BOX INSTALLATION WITH TRENCH



ROOF DRAIN TIE-IN DETAIL N.T.S.





2'-0" |-

T = 6" FOR 4' DIA. MANHOLE

T = 10" FOR 6' DIA. MANHOLE

PIPE DIA.	MH DIA.	WALL THICKNESS
8" THRU 30"	4'-0"	5"
36"	5'-0"	6"
42"	6'-0"	7"

NOTE: TYPE I FRAME/CHIMNEY JOINT REQUIRED ON ALL STORM MANHOLES UNLESS OTHERWISE SPECIFIED. TYPE III JOINT REQUIRED IN ALL STORM MANHOLES.

FLAT TOP MANHOLE DETAILS APPLY WHEN THE DIFFERENCE BETWEEN THE INVERT ELEVATION AND FINISHED GRADE IS LESS THAN FIVE FEET.

PRECAST MANHOLE DETAIL N.T.S.

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ECONOMIC GROWTH CORPORATION 100 19TH STREET, SUITE 109 ROCK ISLAND, IL 61201

ROJECT AND LOCATION AFFORDABLE APARTMENTS MT. CARROLL, ILLINOIS

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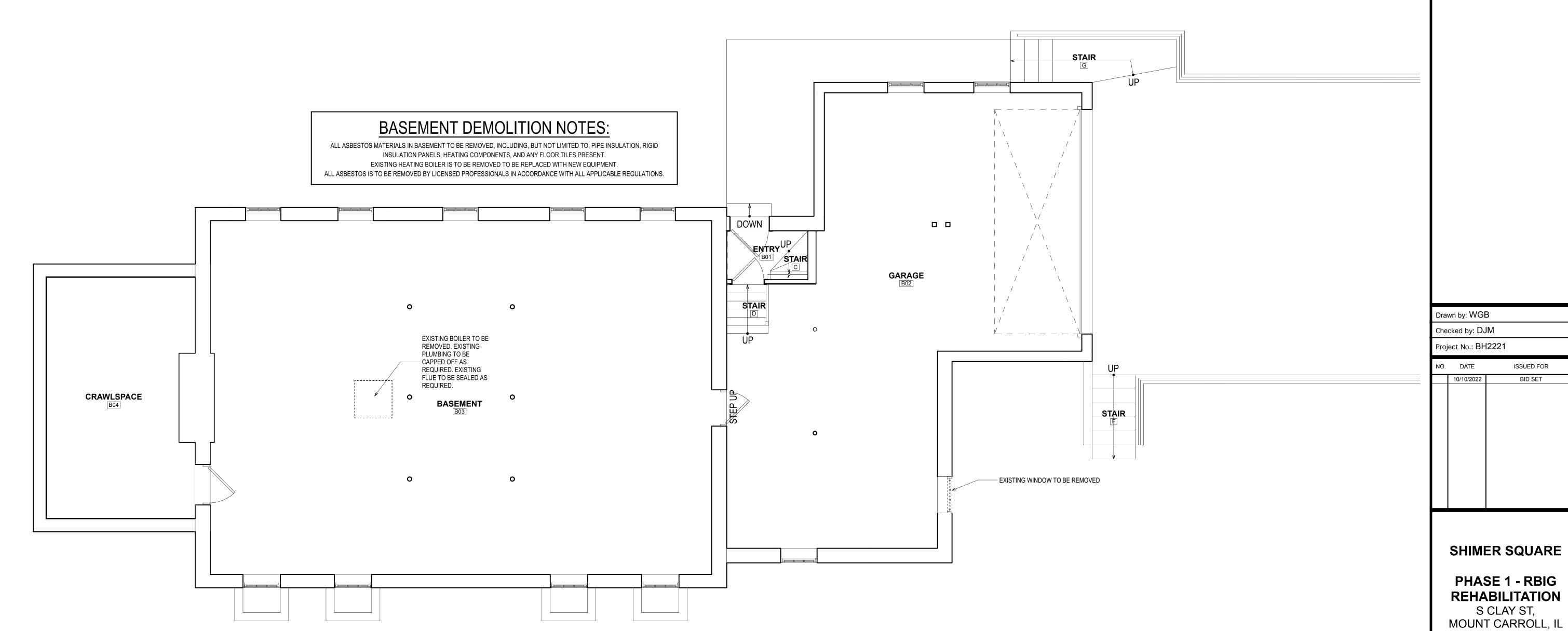
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JOB NUMBER: 20-039 SHEET NUMBER



GALENA, IL 61036 Phone: 815-777-3960



BASEMENT DEMO PLANS

REHABILITATION S CLAY ST, MOUNT CARROLL, IL

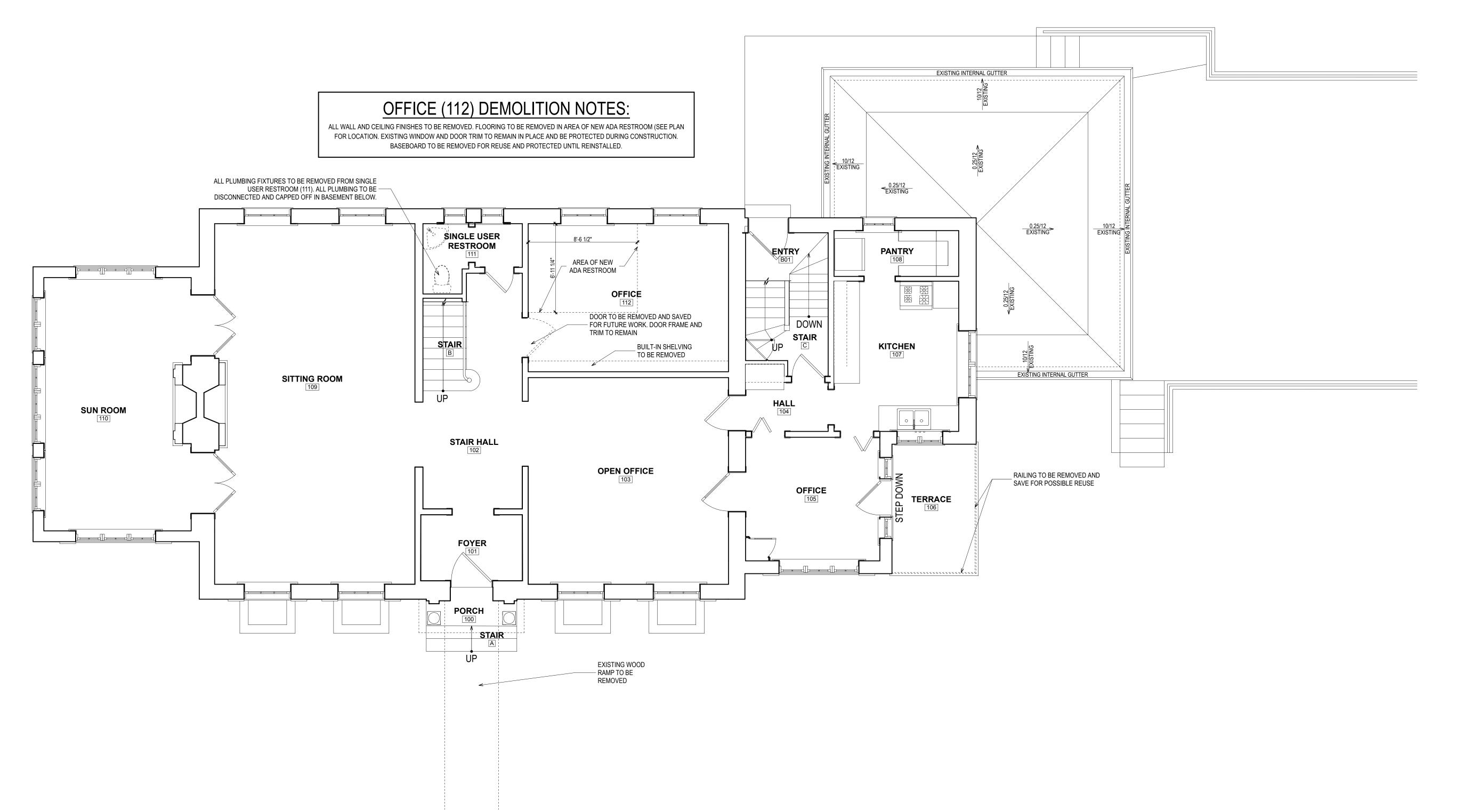
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61053

BASEMENT DEMO PLAN

SHD1.1





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Project No.: BH2221

ISSUED FOR BID SET

SHIMER SQUARE

PHASE 1 - RBIG **REHABILITATION** S CLAY ST, MOUNT CARROLL, IL 61053

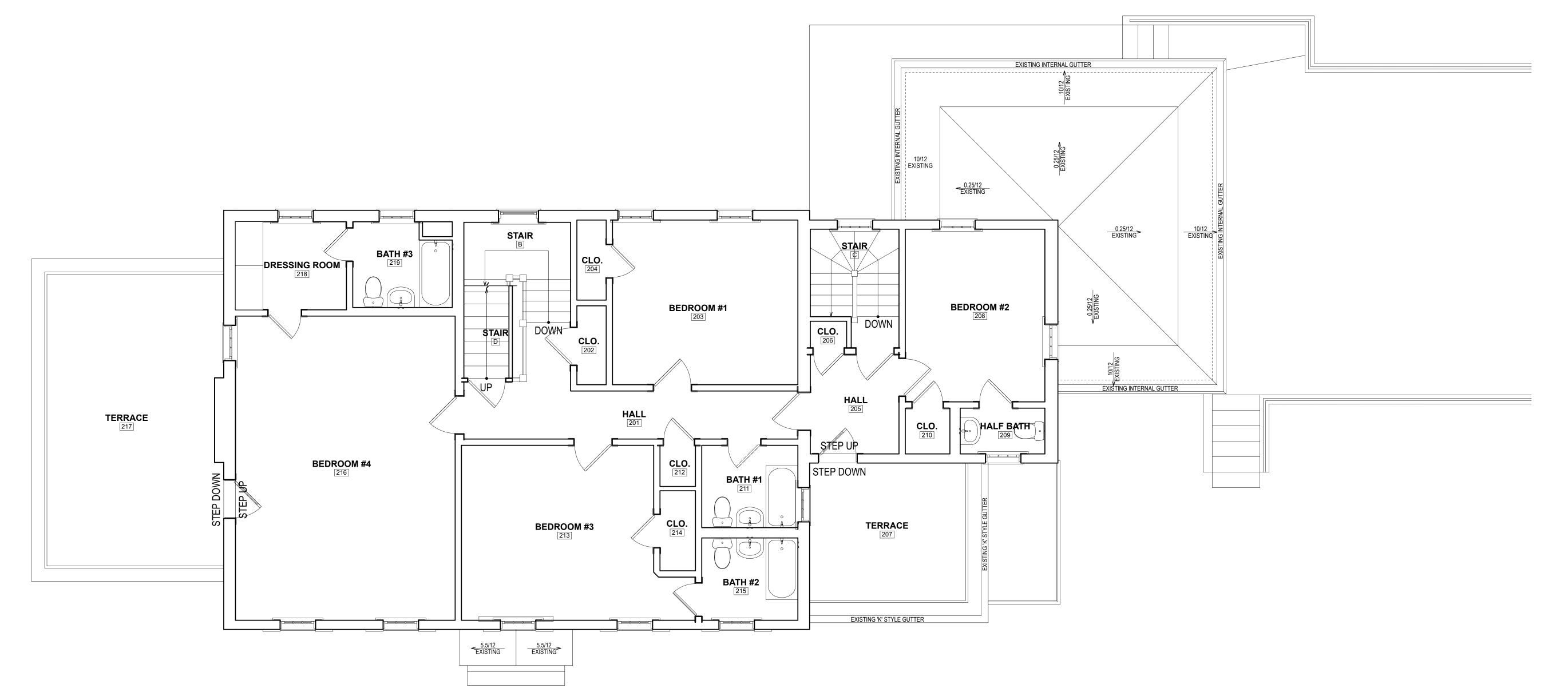
FIRST FLOOR DEMO **PLAN**

SHD1.2

FIRST FLOOR DEMO PLAN







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Project No.: BH2221

NO. DATE ISSUED FOR

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SHIMER SQUARE

PHASE 1 - RBIG REHABILITATION S CLAY ST, MOUNT CARROLL, IL 61053

SECOND FLOOR DEMO PLAN

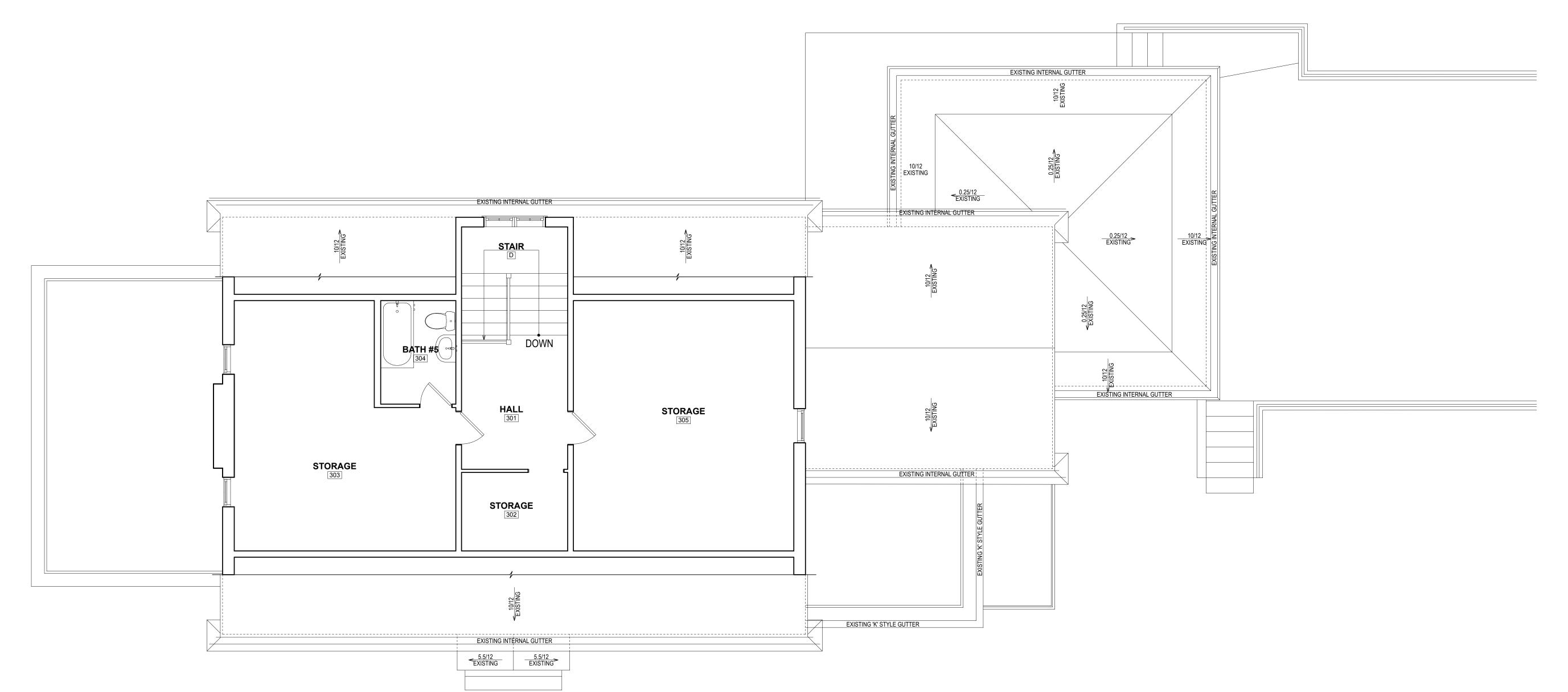
SHD1.3

SECOND FLOOR DEMO PLAN

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







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Project No.: BH2221

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SHIMER SQUARE

PHASE 1 - RBIG REHABILITATION S CLAY ST, MOUNT CARROLL, IL 61053

ATTIC DEMO PLAN

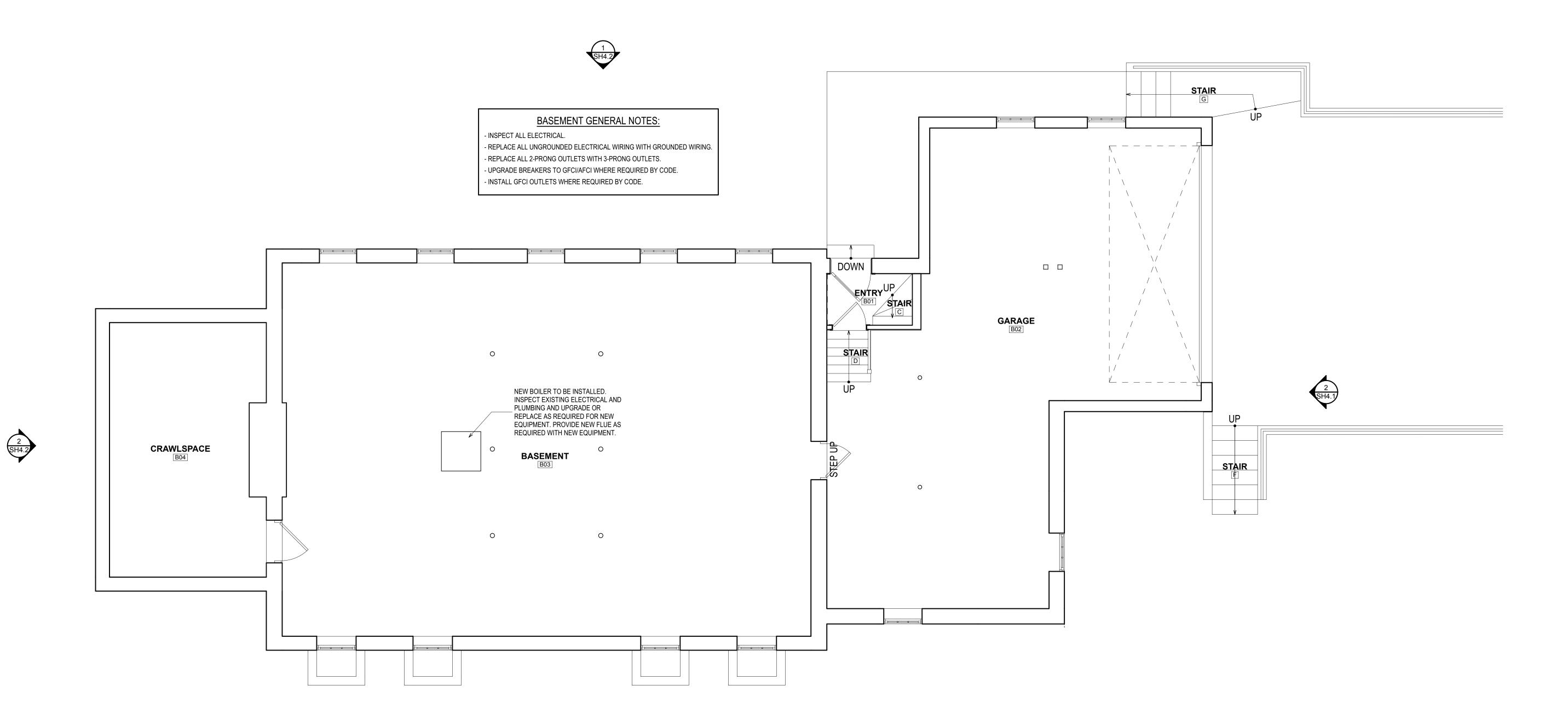
SHD1.4

1 ATTIC DEMO PLAN

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







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Project No.: BH2221

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10/10/2022 BID SET

SHIMER SQUARE

PHASE 1 - RBIG REHABILITATION S CLAY ST, MOUNT CARROLL, IL 61053

BASEMENT FLOOR PLAN

SHA1.1

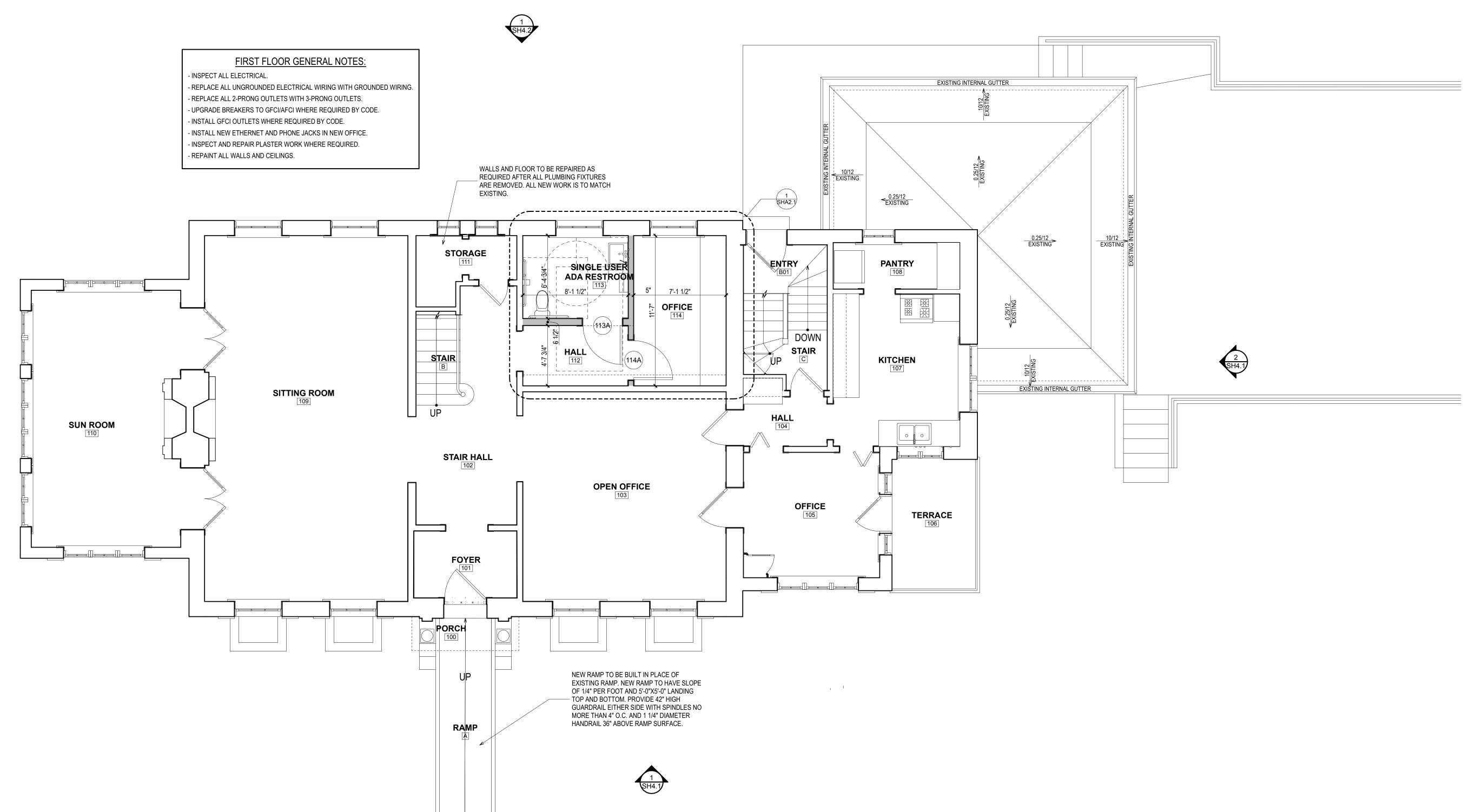
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BASEMENT FLOOR PLAN

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

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2 SH4.2

FIRST FLOOR PLAN

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Checked by: DJM
Project No.: BH2221

NO. DATE ISSUED FOR

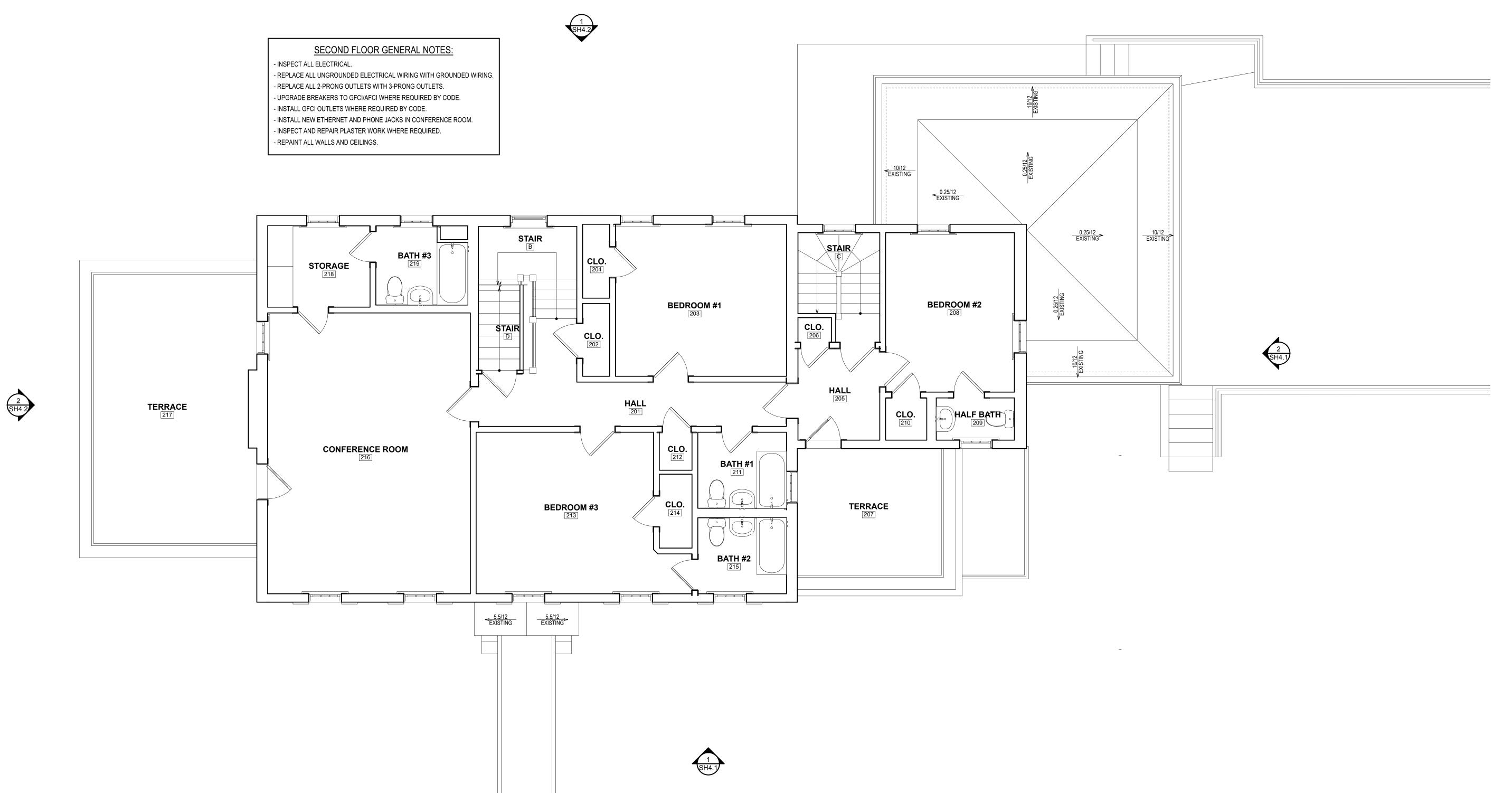
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SHIMER SQUARE

PHASE 1 - RBIG REHABILITATION S CLAY ST, MOUNT CARROLL, IL 61053

FIRST FLOOR PLAN





SECOND FLOOR PLAN

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Project No.: BH2221

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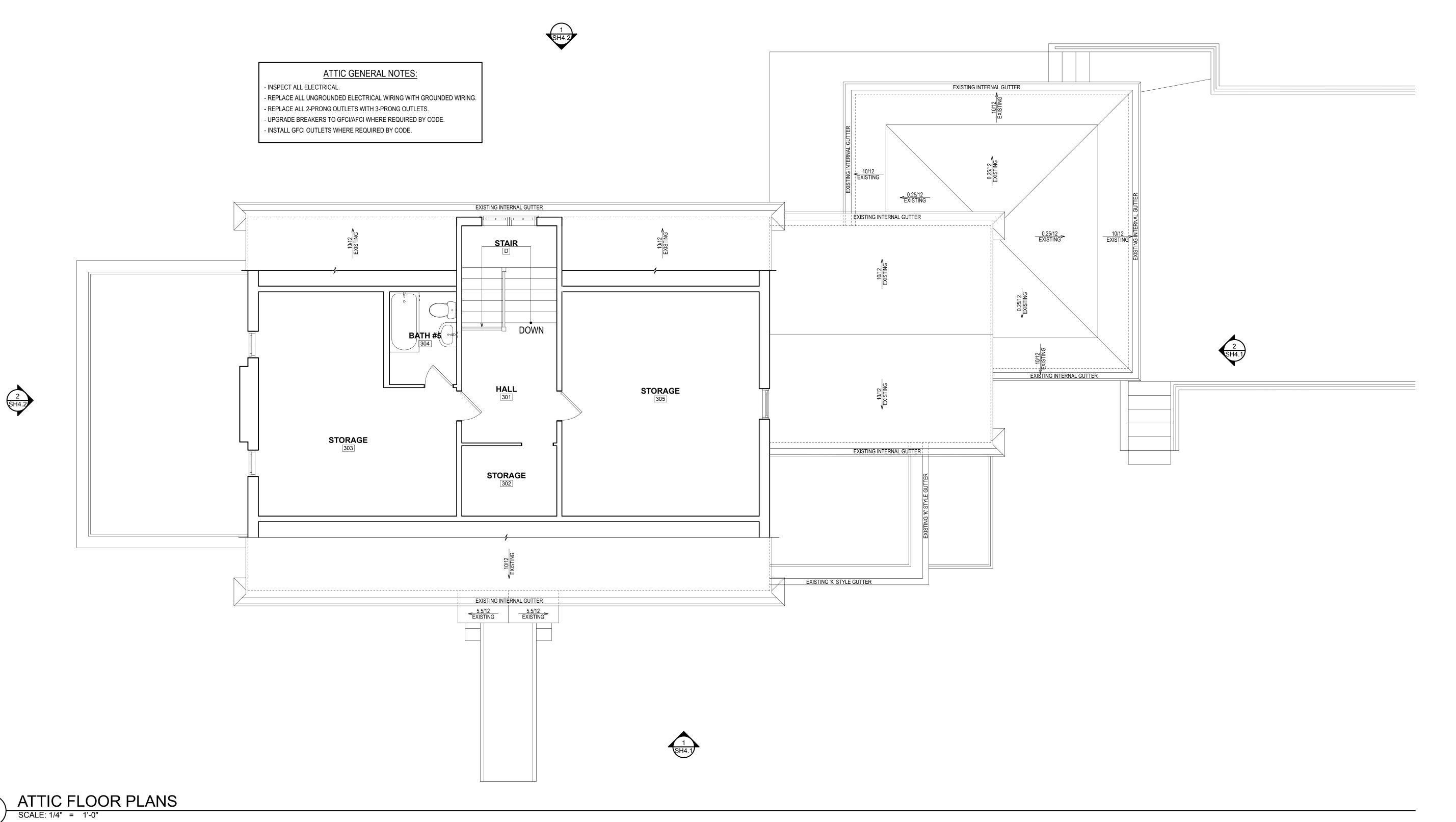
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SHIMER SQUARE

PHASE 1 - RBIG REHABILITATION S CLAY ST, MOUNT CARROLL, IL 61053

SECOND FLOOR PLAN





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Project No.: BH2221

NO. DATE ISSUED FOR

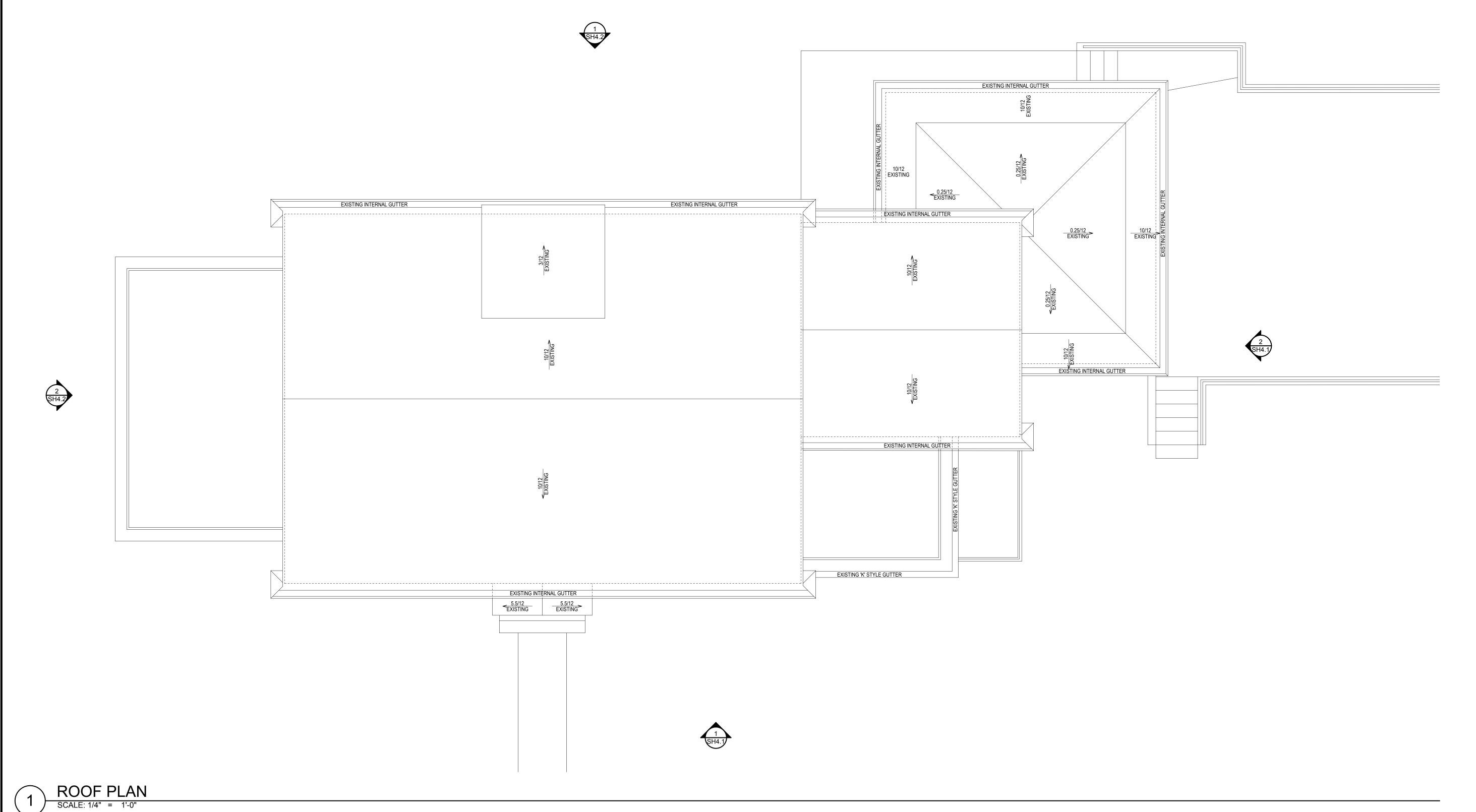
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SHIMER SQUARE

PHASE 1 - RBIG REHABILITATION S CLAY ST, MOUNT CARROLL, IL 61053

ATTIC FLOOR PLAN





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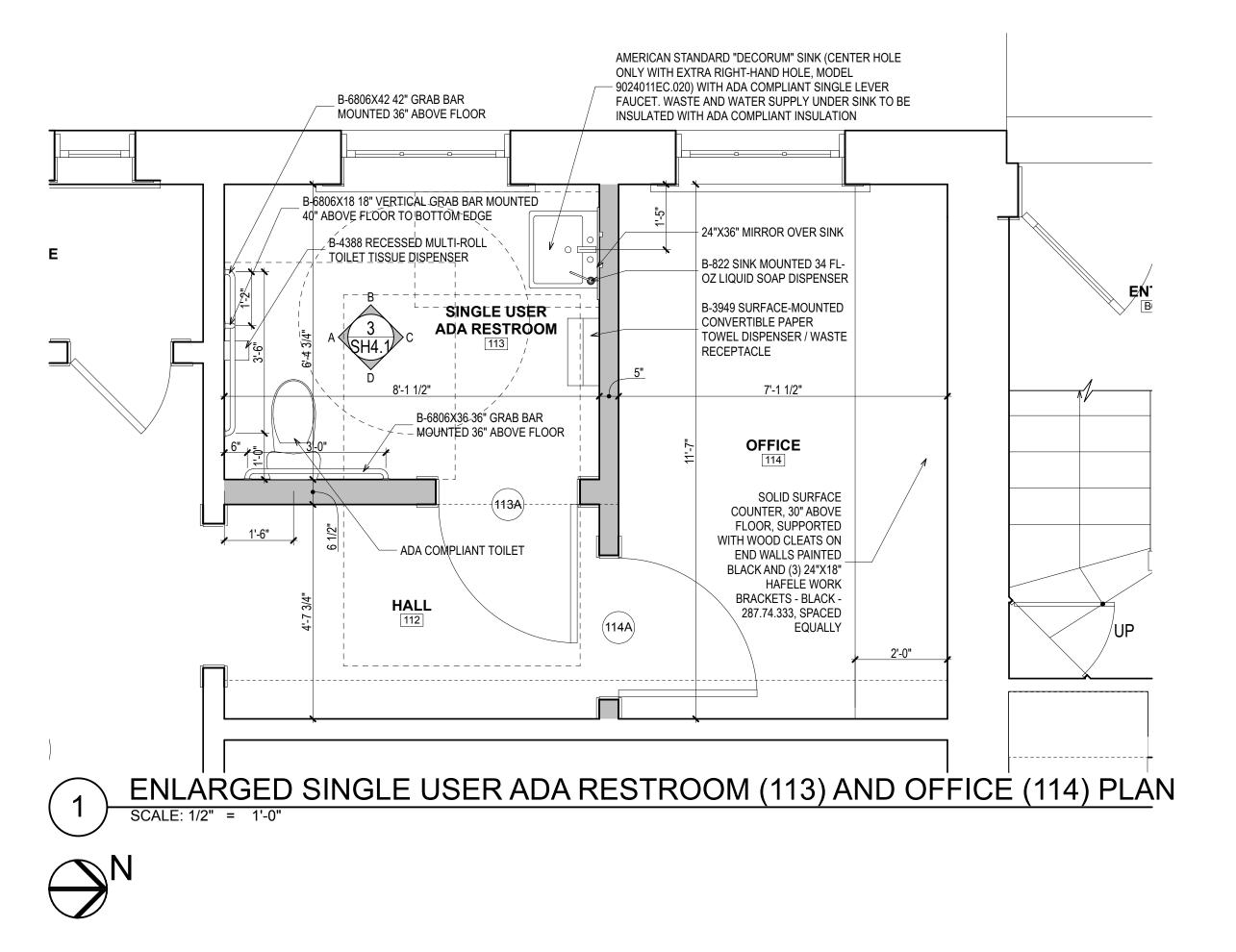
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ROOF PLAN





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Project No.: BH2221

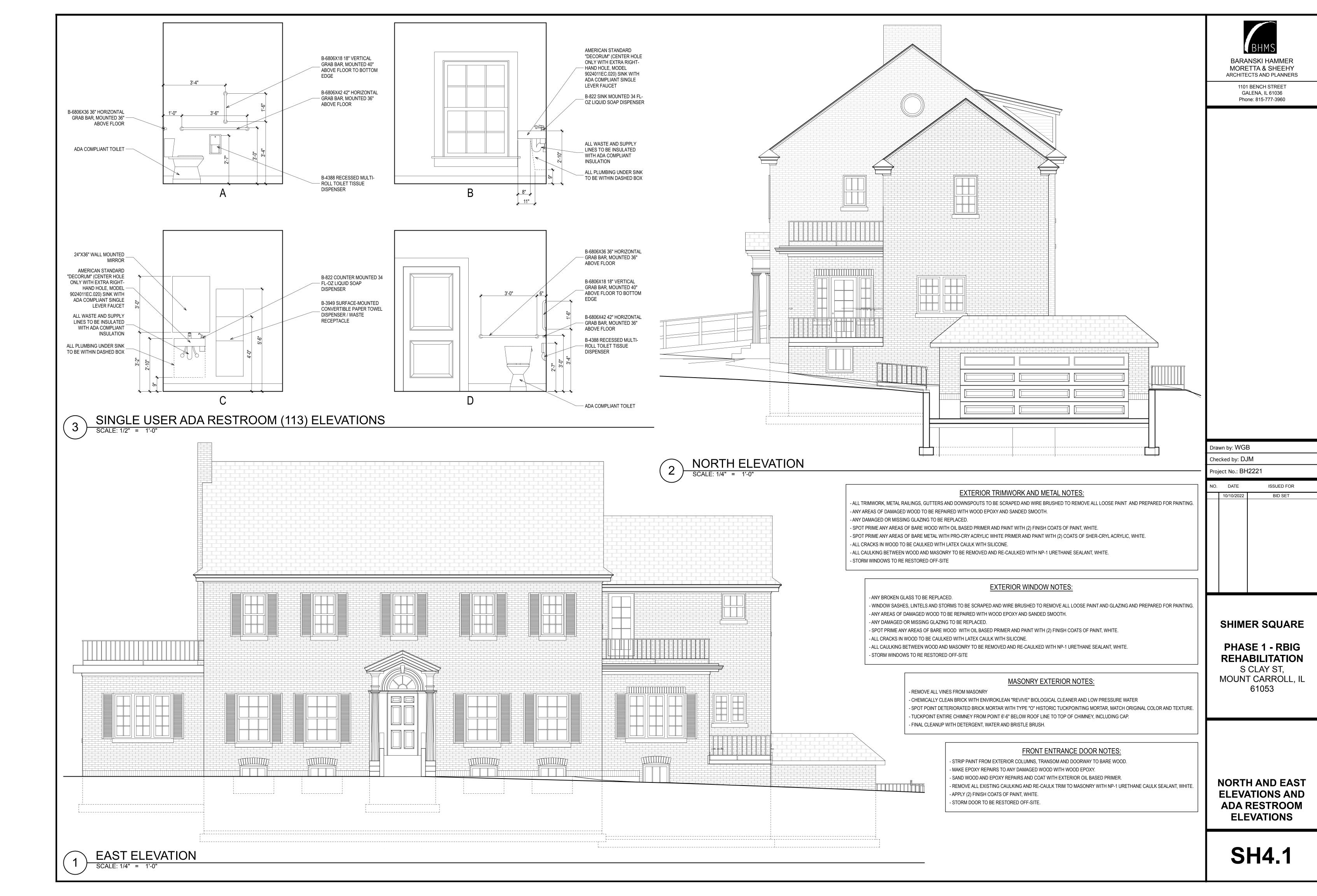
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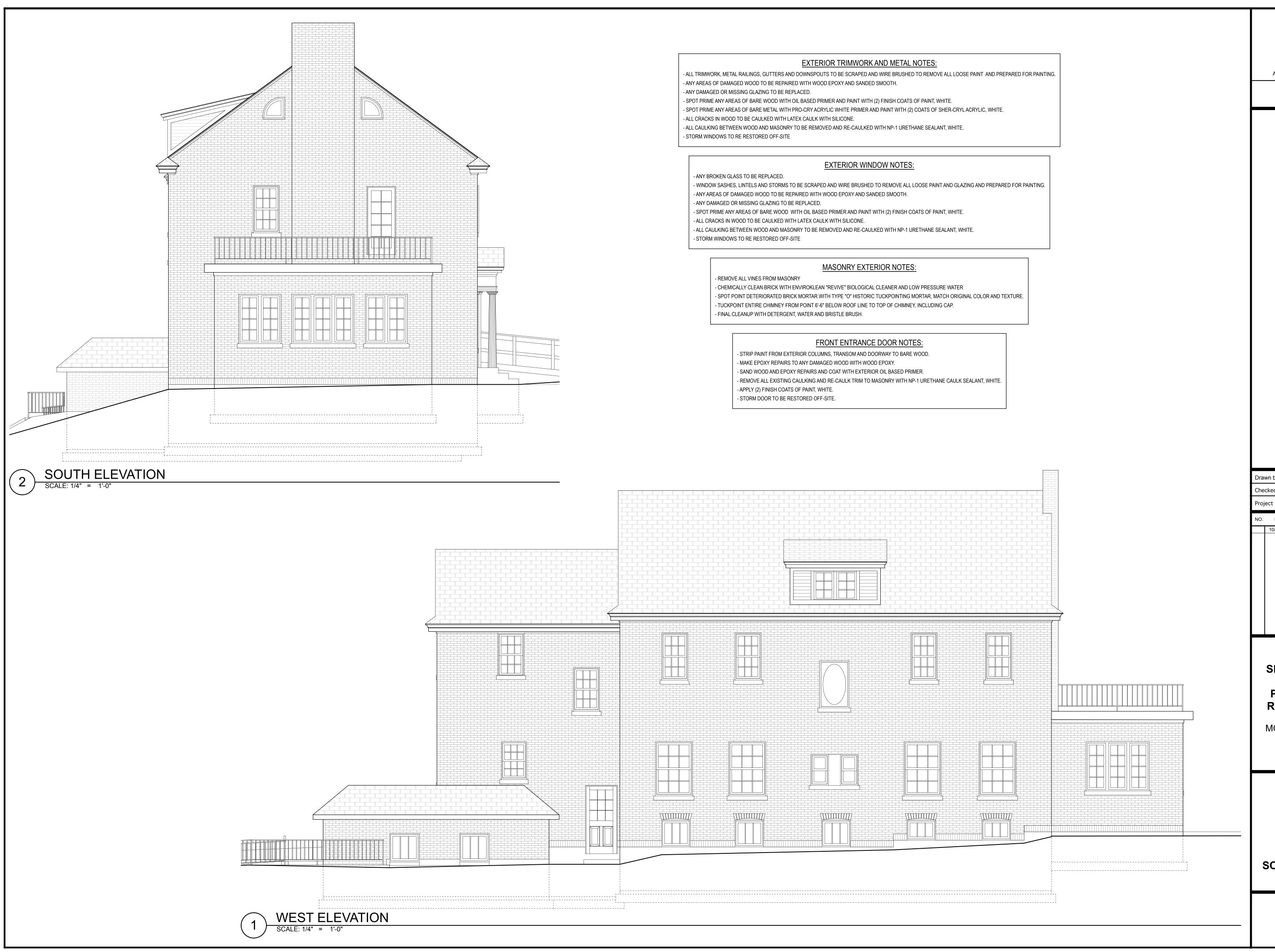
SHIMER SQUARE

PHASE 1 - RBIG REHABILITATION S CLAY ST, MOUNT CARROLL, IL 61053

ENLARGED RESTROOM PLAN AND ENLARGED RAMP PLAN

SHA2.1





BHMS

BARANSKI HAMMER

MORETTA & SHEEHY

ARCHITECTS AND PLANNERS

1101 BENCH STREET GALENA, IL 61036 Phone: 815-777-3960

Drawn by: WGB
Checked by: DJM

Checked by: DJM

Project No.: BH2221

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10/10/2022 BID SET

SHIMER SQUARE

PHASE 1 - RBIG REHABILITATION S CLAY ST, MOUNT CARROLL, IL 61053

SOUTH AND WEST ELEVATIONS

SH4.2

MASONRY AND STONEWORK

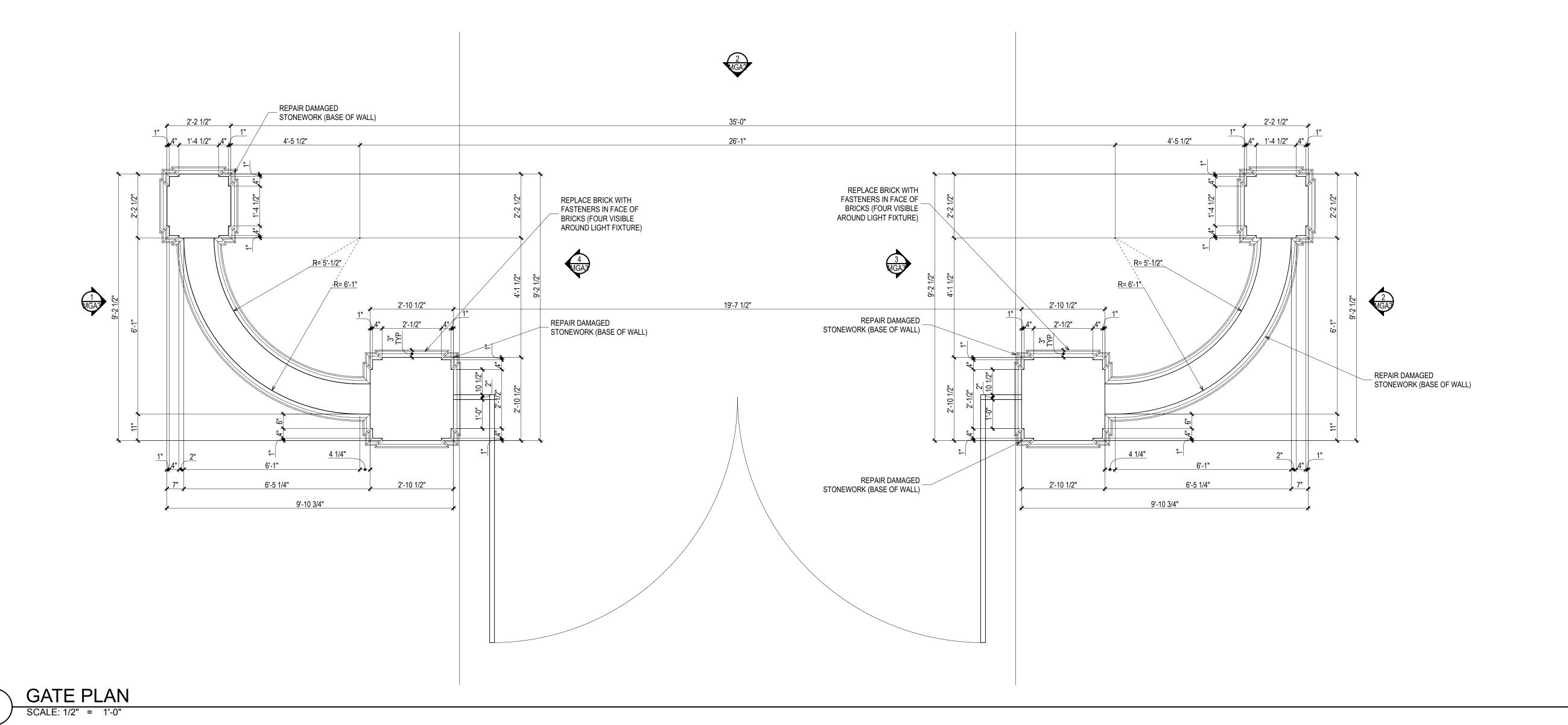
- ALL MASONRY AND STONEWORK TO BE CLEANED AND INSPECTED.
- ALL DAMAGED AND MISMATCHED BRICKS TO BE REMOVED AND REPLACED WITH NEW BRICKS TO MATCH EXISTING BRICK.
- ALL DAMAGED STONEWORK TO EITHER BE REPAIRED IN PLACE OR REPLACED WITH NEW STONEWORK TO MATCH EXISTING.
- ALL MORTAR JOINTS TO BE GROUND OUT AND FULLY TUCKPOINTED.

METAL WORK

- ALL METALWORK TO BE CLEANED AND INSPECTED
- ANY DAMAGED PARTS TO BE REPLACED, ANY CRACKED OR DAMAGED WELD JOINTS TO BE STRIPPED TO BARE METAL AND REWELDED
- ALL LOOSE PAINT TO BE REMOVED, AREAS OF RUST/CORROSION TO BE STRIPPED TO BARE METAL. ALL AREAS OF BARE METAL TO BE APPROPRIATELY PREPARED AND PRIMED WITH PRIMER FOR BARE METAL.
- HINGES TO BE INSPECTED AND REPAIRED AS REQUIRED.
- ALL METAL WORK TO BE PAINTED WITH EPOXY PAINT FOR FINAL COAT.

LIGHT FIXTURES

- LIGHT FIXTURES TO BE CLEANED AND INSPECTED, REPAIRED IF REQUIRED.
- ALL LOOSE PAINT TO BE REMOVED, ANY RUST OR CORROSION TO BE REMOVED AND ALL AREAS OF BARE METAL TO BE APPROPRIATELY PREPARED AND PRIMED WITH PRIMER FOR BARE METAL.
- FIXTURES TO BE PAINTED WITH EPOXY PAINT FOR FINAL COAT.
- ALL ELECTRICAL CONDUIT TO BE INSPECTED AND REPAIR OR REPLACED AS REQUIRED.
- ALL ELECTRICAL WIRING TO BE INSPECTED AND REWIRED WHERE REQUIRED.



BHMS

BARANSKI HAMMER

MORETTA & SHEEHY

ARCHITECTS AND PLANNERS

1101 BENCH STREET

GALENA, IL 61036 Phone: 815-777-3960

Drawn by: WGB
Checked by: DJM

Project No.: BH2222

DATE ISSUED FOR

10/10/2022 BID SET

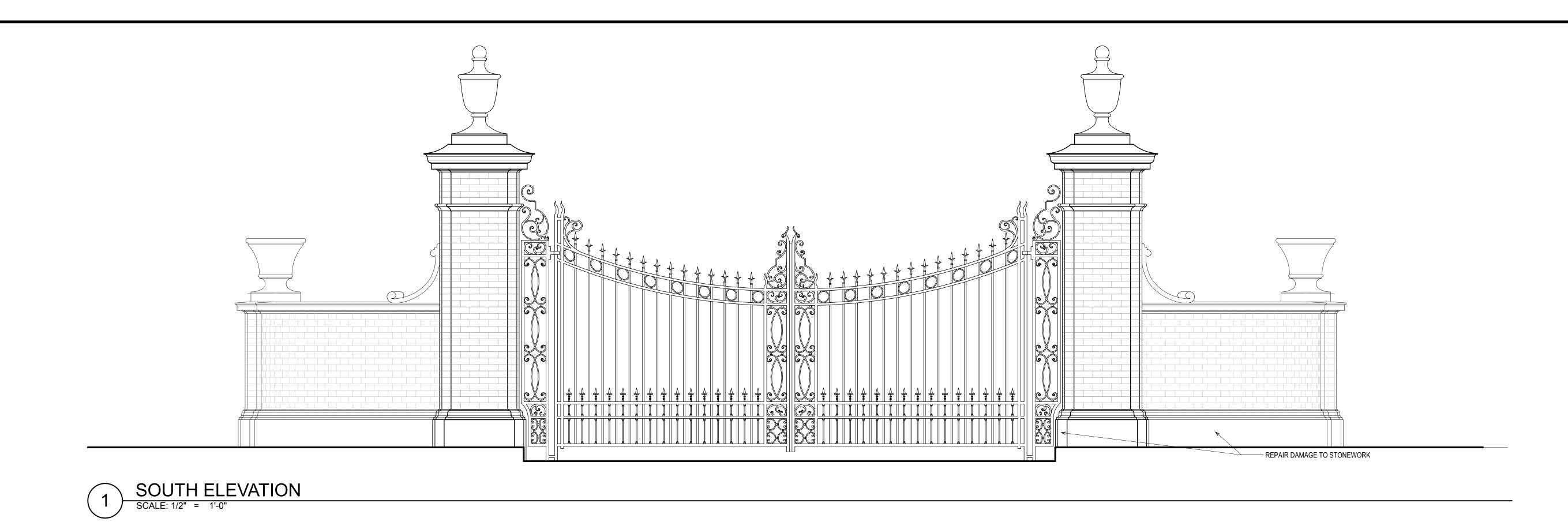
SHIMER SQUARE

PHASE 1 - RBIG REHABILITATION

S JACKSON ST, MOUNT CARROLL, IL 61053

GATE PLAN

MGA1



MASONRY AND STONEWORK

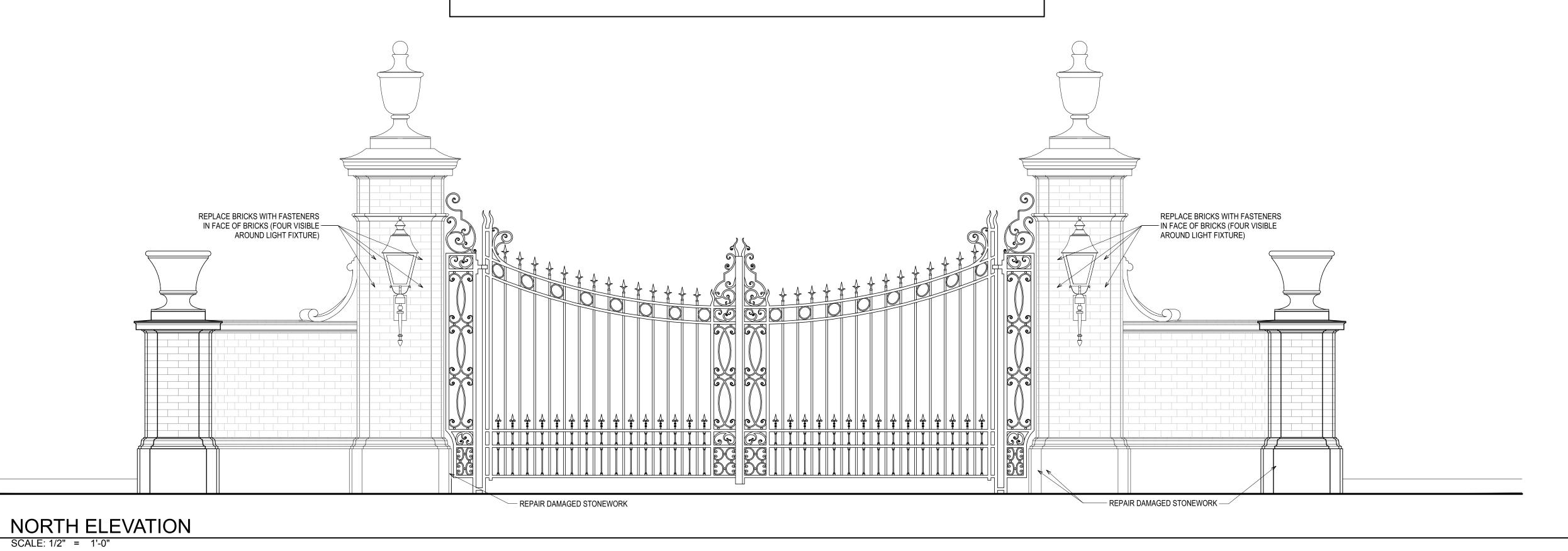
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Drawn by: WGB

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NO. DATE ISSUED FOR

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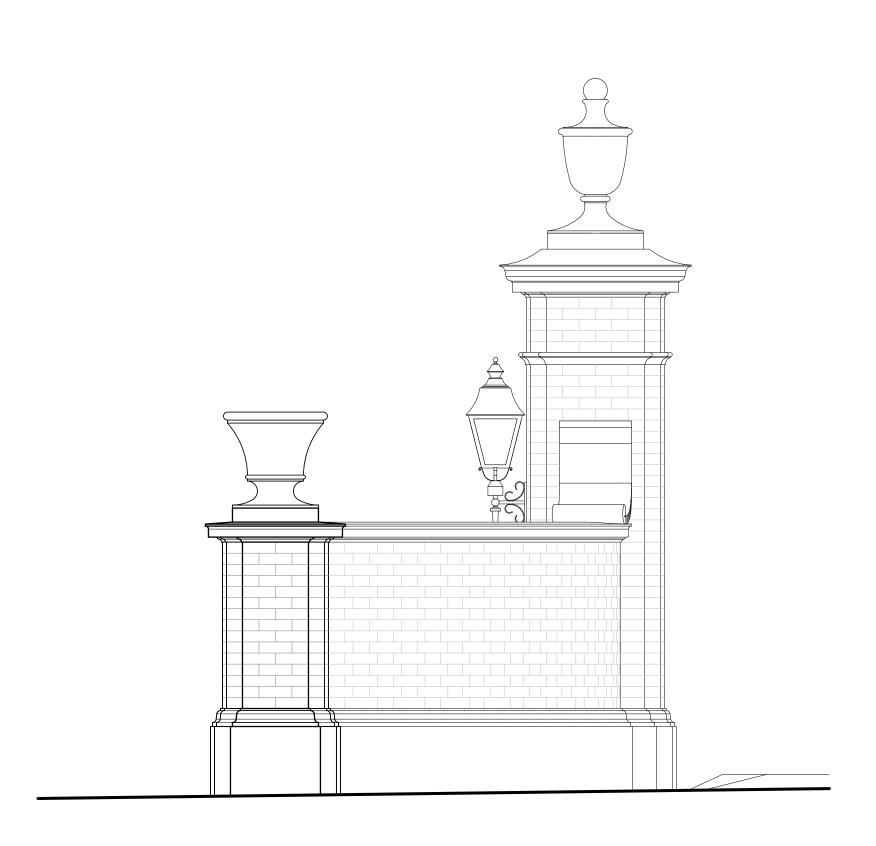
SHIMER SQUARE

PHASE 1 - RBIG REHABILITATION

S JACKSON ST, MOUNT CARROLL, IL 61053

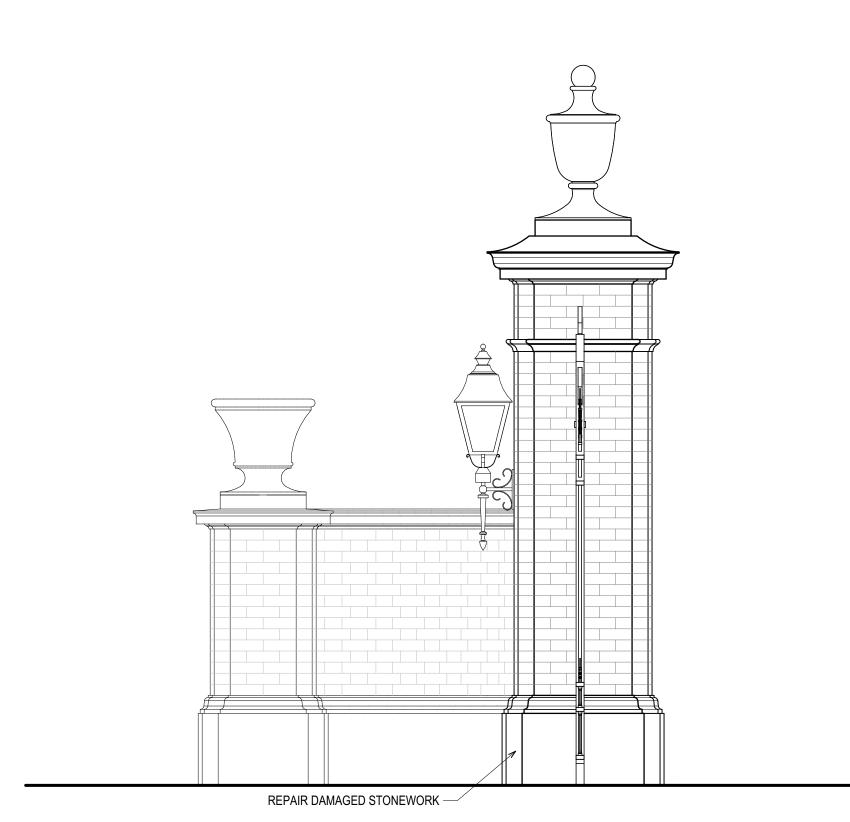
GATE ELEVATIONS

MGA2



1 WEST ELEVATION (EXTERIOR)

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



WEST ELEVATION (INTERIOR)

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

MASONRY AND STONEWORK

- ALL MASONRY AND STONEWORK TO BE CLEANED AND INSPECTED.
- ALL DAMAGED AND MISMATCHED BRICKS TO BE REMOVED AND REPLACED WITH NEW BRICKS TO MATCH EXISTING BRICK.
- ALL DAMAGED STONEWORK TO EITHER BE REPAIRED IN PLACE OR REPLACED WITH NEW STONEWORK TO MATCH EXISTING.
- ALL MORTAR JOINTS TO BE GROUND OUT AND FULLY TUCKPOINTED.

METAL WORK

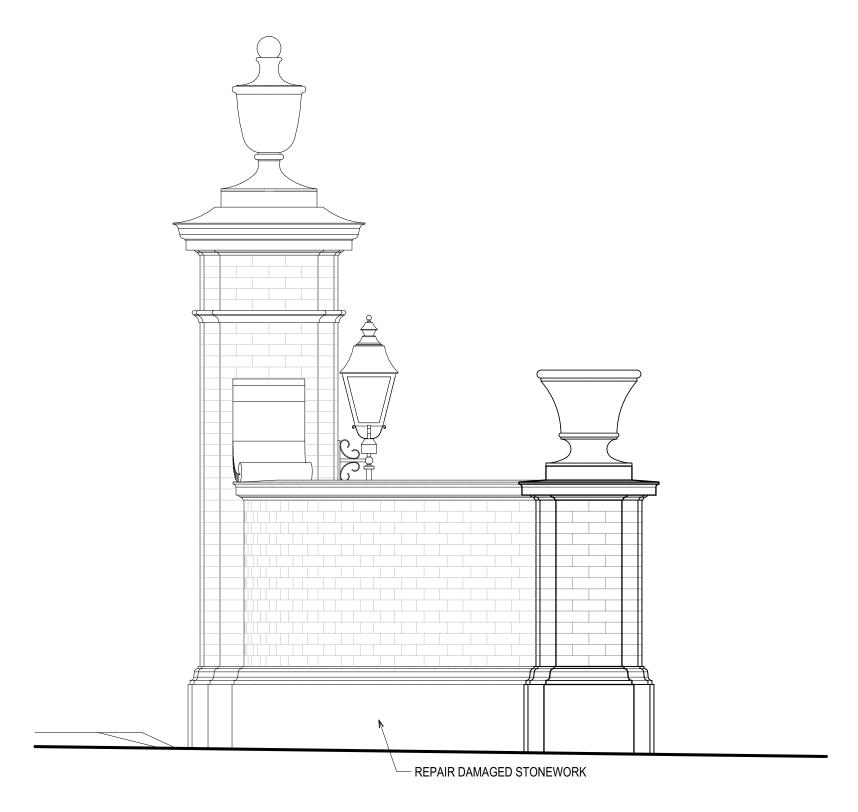
- ALL METALWORK TO BE CLEANED AND INSPECTED

 ANY DAMAGED PARTS TO BE BERLACED, ANY CRACKED OF DAMAGED.

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- ANY DAMAGED PARTS TO BE REPLACED, ANY CRACKED OR DAMAGED WELD JOINTS TO BE STRIPPED TO BARE METAL AND REWELDED
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- HINGES TO BE INSPECTED AND REPAIRED AS REQUIRED.
 ALL METAL WORK TO BE PAINTED WITH EPOXY PAINT FOR FINAL COAT.

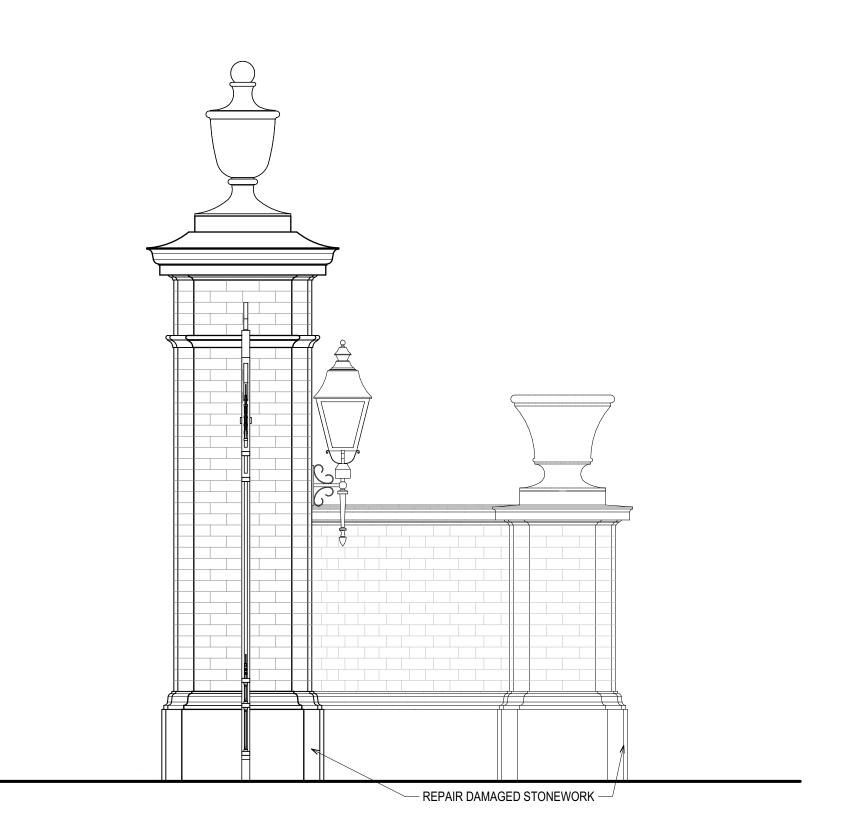
LIGHT FIXTURES

- LIGHT FIXTURES TO BE CLEANED AND INSPECTED, REPAIRED IF REQUIRED.
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- FIXTURES TO BE PAINTED WITH EPOXY PAINT FOR FINAL COAT.
- ALL ELECTRICAL CONDUIT TO BE INSPECTED AND REPAIR OR REPLACED AS REQUIRED.
 ALL ELECTRICAL WIRING TO BE INSPECTED AND REWIRED WHERE REQUIRED.



2 EAST ELEVATION (EXTERIOR)

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



4 EAST ELEVATION (INTERIOR)

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

BHMS

BARANSKI HAMMER
MORETTA & SHEEHY
ARCHITECTS AND PLANNERS

1101 BENCH STREET
GALENA, IL 61036
Phone: 815-777-3960

Drawn by: WGB
Checked by: DJM
Project No.: BH2222

NO. DATE ISSUED FOR

10/10/2022 BID SET

SHIMER SQUARE

PHASE 1 - RBIG REHABILITATION

S JACKSON ST, MOUNT CARROLL, IL 61053

GATE ELEVATIONS

MGA3

GENERAL HISTORIC TREATMENT

For detailed description of all procedures required, see Specifications, Section 013591 - HISTORIC TREATMENT PROCEDURES

- 1. Retain as much existing material as possible; repair and consolidate rather than
- 2. Use additional material or structure to reinforce, strengthen, prop, tie, and support
- existing material or structure.

HISTORIC MATERIAL

- 3. Use reversible processes wherever possible.
- 4. Use historically accurate repair and replacement materials and techniques unless otherwise indicated.
- 5. Record existing work before each procedure (preconstruction) and progress during the work with digital preconstruction documentation photographs . Comply with

DEFINITIONS OF TREATMENT PROCEDURES OF

Consolidate: To strengthen loose or deteriorated materials in place.

requirements in Section 013233 "Photographic Documentation."

Design Reference Sample: A sample that represents Architect's prebid selection of work

to be matched; it may be existing work or work specially produced for Project. **Dismantle:** To disassemble or detach a historic item from a surface, or a nonhistoric item from a historic surface, using gentle methods and equipment to prevent damage to historic items and surfaces; disposing of items unless indicated to be salvaged or reinstalled.

Historic: Spaces, areas, rooms, surfaces, materials, finishes, and overall appearance that are important to the successful rehabilitation as determined by Architect. Designated historic areas are indicated on Drawings scheduled in Part 3.

- 1. Restoration Areas: Areas of greatest architectural importance, integrity, and visibility; to be preserved and restored to the design and finish indicated on Drawings.
- 2. Rehabilitation Areas: Areas of significant architectural importance, integrity, and visibility; to be preserved and restored consistent with the remaining historic fabric and to the extent indicated on Drawings.
- Match: To blend with adjacent construction and manifest no apparent difference in material type, species, cut, form, detail, color, grain, texture, or finish; as approved
- Refinish: To remove existing finishes to base material and apply new finish to match original, or as otherwise indicated.
- Reinstall: To protect removed or dismantled item, repair and clean it as indicated for reuse, and reinstall it in original position, or where indicated.
- Remove: To take down or detach a nonhistoric item located within a historic space, area, or room, using methods and equipment to prevent damage to historic items and surfaces; disposing of items unless indicated to be salvaged or reinstalled.
- Repair: To correct damage and defects, retaining existing materials, features, and finishes while employing as little new material as possible. This includes patching, piecing-in, splicing, consolidating, or otherwise reinforcing or upgrading materials.

Replace: To remove, duplicate, and reinstall entire item with new material. The original

- item is the pattern for creating duplicates unless otherwise indicated. **Replicate:** To reproduce in exact detail, materials, and finish unless otherwise indicated. Reproduce: To fabricate a new item, accurate in detail to the original, and from either the
- same or a similar material as the original, unless otherwise indicated. Restore: To consolidate, replicate, reproduce, repair, and refinish as required to achieve
- the indicated results.
- **Retain:** To keep existing items that are not to be removed or dismantled. Reversible: New construction work, treatments, or processes that can be removed or undone in the future without damaging historic materials unless otherwise indicated.
- **Salvage:** To protect removed or dismantled items and deliver them to Owner. Stabilize: To provide structural reinforcement of unsafe or deteriorated items while maintaining the essential form as it exists at present; also, to reestablish a weather-
- Strip: To remove existing finish down to base material unless otherwise indicated.

TEMPORARY PROTECTION OF HISTORIC **MATERIALS**

- 1. Protect existing historic materials with temporary protections and construction. Do not remove existing materials unless otherwise indicated.
- 2. Do not attach temporary protection to historic surfaces except as indicated as part of the historic treatment program and approved by Architect.

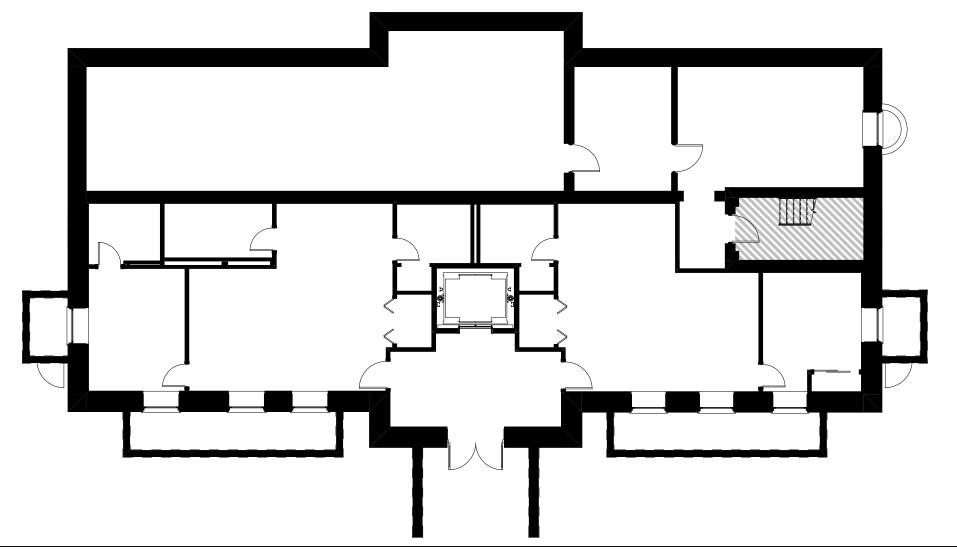
STORAGE AND HANDLING OF HISTORIC MATERIALS

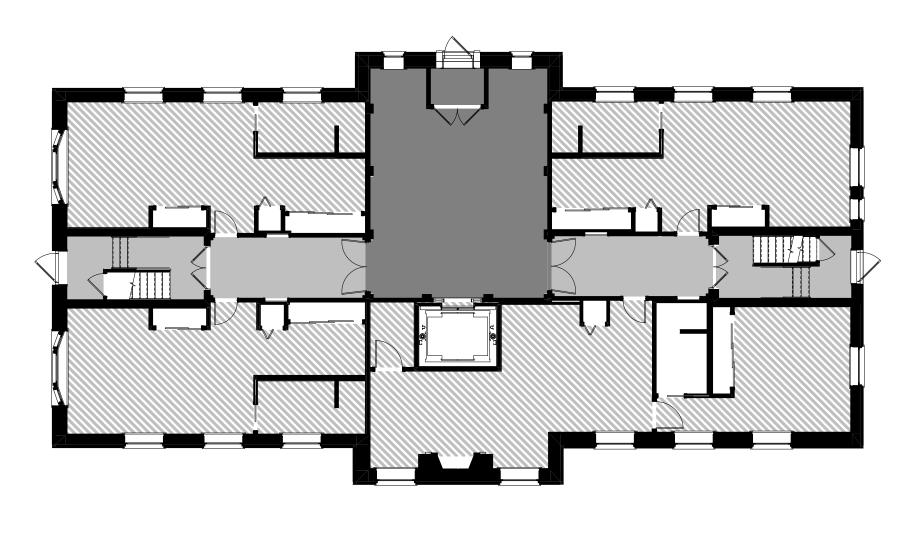
Salvaged Historic Materials:

- 1. Clean loose dirt and debris from salvaged historic items unless more extensive
- 2. Pack or crate items after cleaning; cushion against damage during handling. Label
- 3. Store items in a secure area until delivery to Owner.
- 4. Transport items to storage area designated by Owner.
- 5. Protect items from damage during transport and storage.

Historic Materials for Reinstallation:

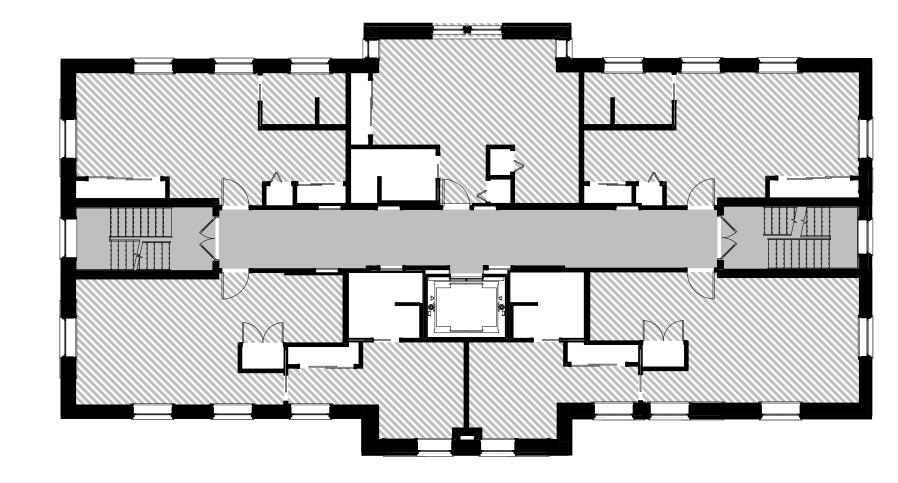
- 1. Repair and clean historic items for reuse as indicated.
- 2. Pack or crate items after cleaning and repairing; cushion against damage during handling. Label contents of containers.
- 3. Protect items from damage during transport and storage.
- 4. Reinstall items in locations indicated. Comply with installation requirements for new
- materials and equipment unless otherwise indicated. Provide connections, supports, and miscellaneous materials to make items functional for use indicated.
- C. Existing Historic Materials to Remain: Protect construction indicated to remain against damage and soiling from construction work. Where permitted by Architect, items may be dismantled and taken to a suitable, protected storage location during construction work and reinstalled in their original locations after historic treatment and construction work in the vicinity is complete.
- D. Storage: Catalog and store historic items within a weathertight enclosure where they are protected from moisture, weather, condensation, and freezing temperatures.

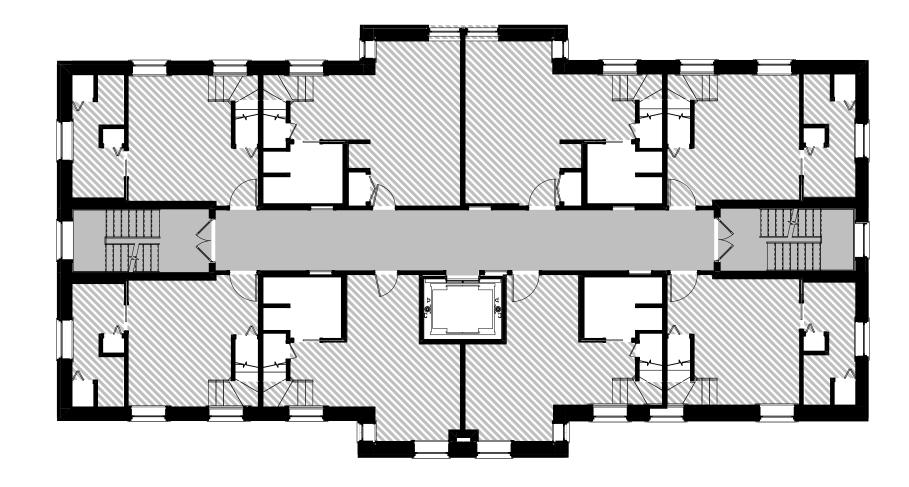




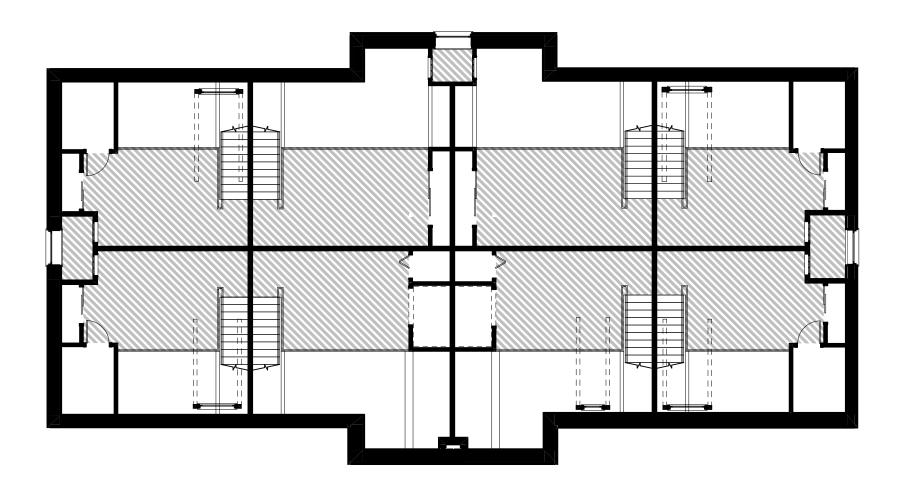
LOWER LEVEL HISTORIC TREATMENT PLAN SCALE: 3/32" = 1'-0"

1ST FLOOR HISTORIC TREATMENT PLAN





2ND FLOOR HISTORIC TREATMENT PLAN



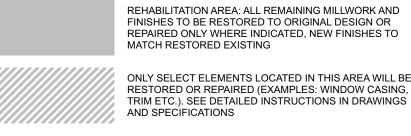
BENNETT 3RD FLOOR HISTORIC TREATMENT PLAN

INTERIOR TREATMENT - LEGEND

SEE EXTERIOR ELEVATIONS, PLANS, FINISH SCHEDULES FOR DETAILED INFORMATION REGARDING HISTORIC TREATMENT.



RESTORATION AREA (BENNETT ONLY): ALL MILLWORK AND FINISHES TO BE RESTORED TO ORIGINAL DESIGN



ONLY SELECT ELEMENTS LOCATED IN THIS AREA WILL BE RESTORED OR REPAIRED (EXAMPLES: WINDOW CASING, TRIM ETC.). SEE DETAILED INSTRUCTIONS IN DRAWINGS

ALL EXISTING DOOR HARDWARE TO BE SALVAGED. ALL EXISTING DOORS SHOWN TO BE DISMANTLED (SEE DEMO PLANS) ARE TO BE ALL DOORS DESIGNATED TO REMAIN AND BECOME INOPERABLE ARE TO HAVE BLANK HARDWARE PLATES INSTALLED CORRIDOR SIDE ONLY (NO HANDLE) ALL EXISTING GLAZED TRANSOMS OR DOOR LITES TO BE RETAINED AND PERMANENTLY REFINISHED BEHIND EXPOSED GLAZING IN ORDER TO MAKE THEM

ALL ORIGINAL LIGHT FIXTURES TO BE DISMANTLED AND SALVAGED. CONSULT ARCHITECT WHICH OF THE SALVAGED LIGHT FIXTURES WILL BE REINSTALLED AND IN WHICH LOCATIONS (CERAMIC OR PLASTIC LIGHT BULB SOCKETS ARE NOT CONSIDERED TO BE SALVAGED AND ARE TO BE REMOVED).

EXISTING INTERIOR WALL PANELING IS NOT CONSIDERED ORIGINAL TO THE

BARANSKI HAMMER MORETTA & SHEEHY ARCHITECTS AND PLANNERS 939 W RANDOLPH ST STE. 2W CHICAGO, IL 60607

Phone: 312-337-1960, Fax: 312-337-1910

Drawn by: MK Checked by: RJH Project No.: BH1905 NO. DATE

ISSUED FOR BID SET 10/10/2022

SHIMER SQUARE

PHASE 1-RBIG REHABILITATION

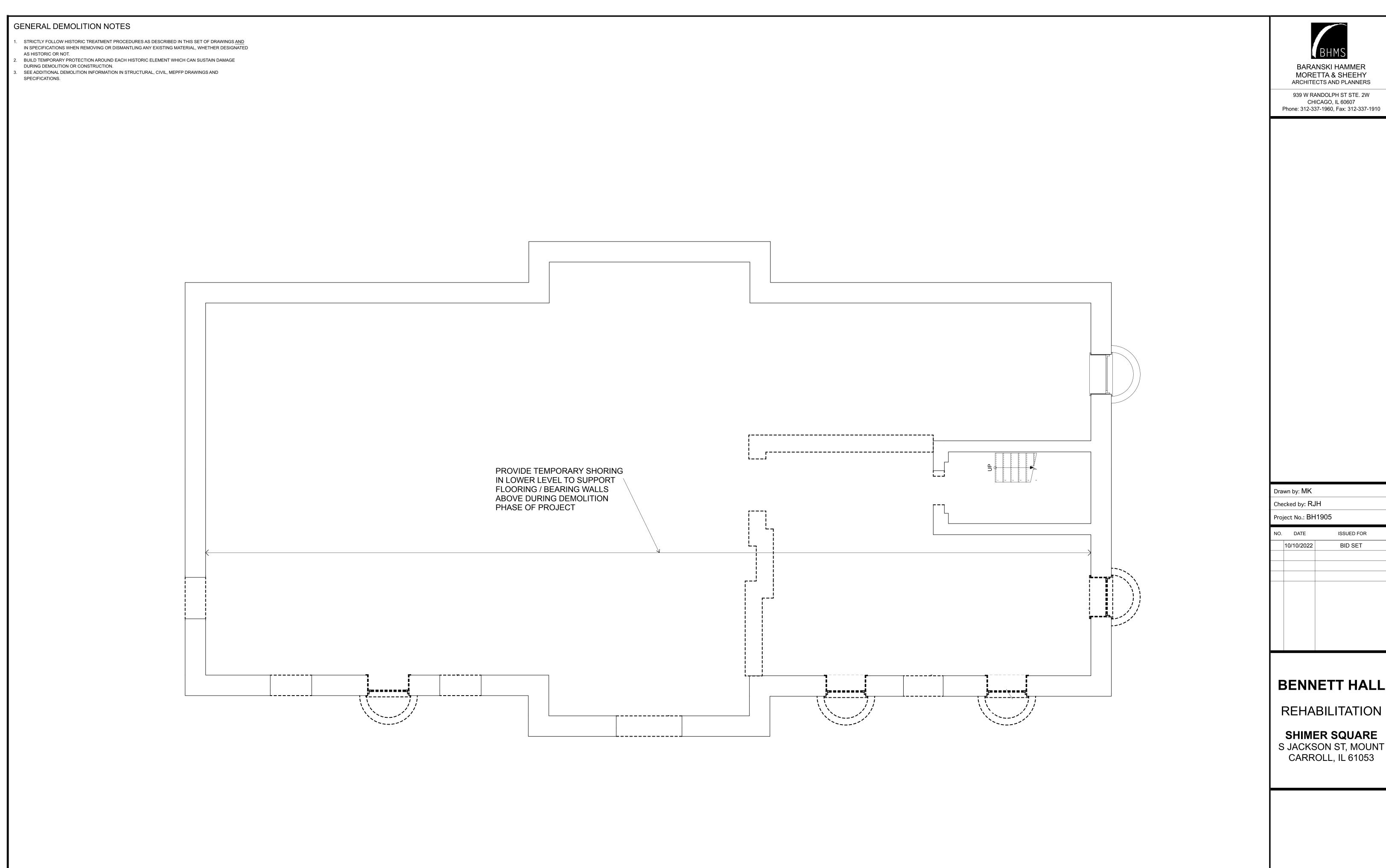
S JACKSON ST, MOUNT CARROLL, IL 61053

HISTORIC TREATMENT KEY **PLANS, NOTES AND DEFINITIONS**

BA0.1



BENNETT ATTIC HISTORIC TREATMENT PLAN SCALE: 3/32" = 1'-0"



BARANSKI HAMMER MORETTA & SHEEHY ARCHITECTS AND PLANNERS

939 W RANDOLPH ST STE. 2W CHICAGO, IL 60607 Phone: 312-337-1960, Fax: 312-337-1910

Project No.: BH1905

NO.	DATE	ISSUED FOR
	10/10/2022	BID SET

BENNETT HALL

SHIMER SQUARE S JACKSON ST, MOUNT CARROLL, IL 61053

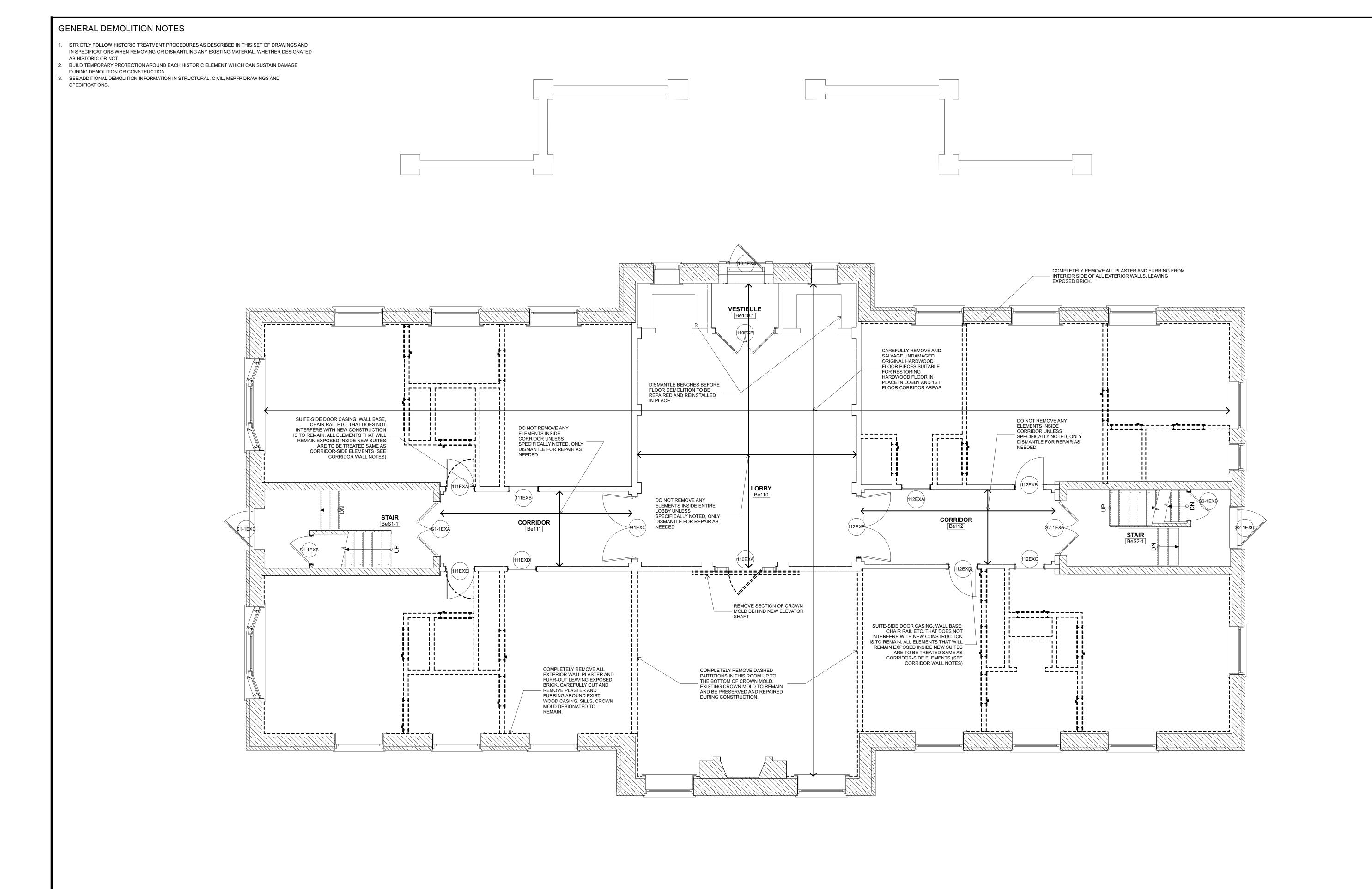
LOWER LEVEL DEMOLITION PLAN

BAD.0



BENNETT LOWER LEVEL DEMOLITION PLAN

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





939 W RANDOLPH ST STE. 2W CHICAGO, IL 60607 Phone: 312-337-1960, Fax: 312-337-1910

Drawn by: MK

Checked by: RJH

Project No.: BH1905

NO. DATE ISSUED FOR

10/10/2022 BID SET

BENNETT HALL

REHABILITATION

SHIMER SQUARE S JACKSON ST, MOUNT CARROLL, IL 61053

1ST FLOOR
DEMOLITION PLAN

BAD.1

 \bigcirc N

BENNETT 1ST FLOOR DEMOLITION PLAN

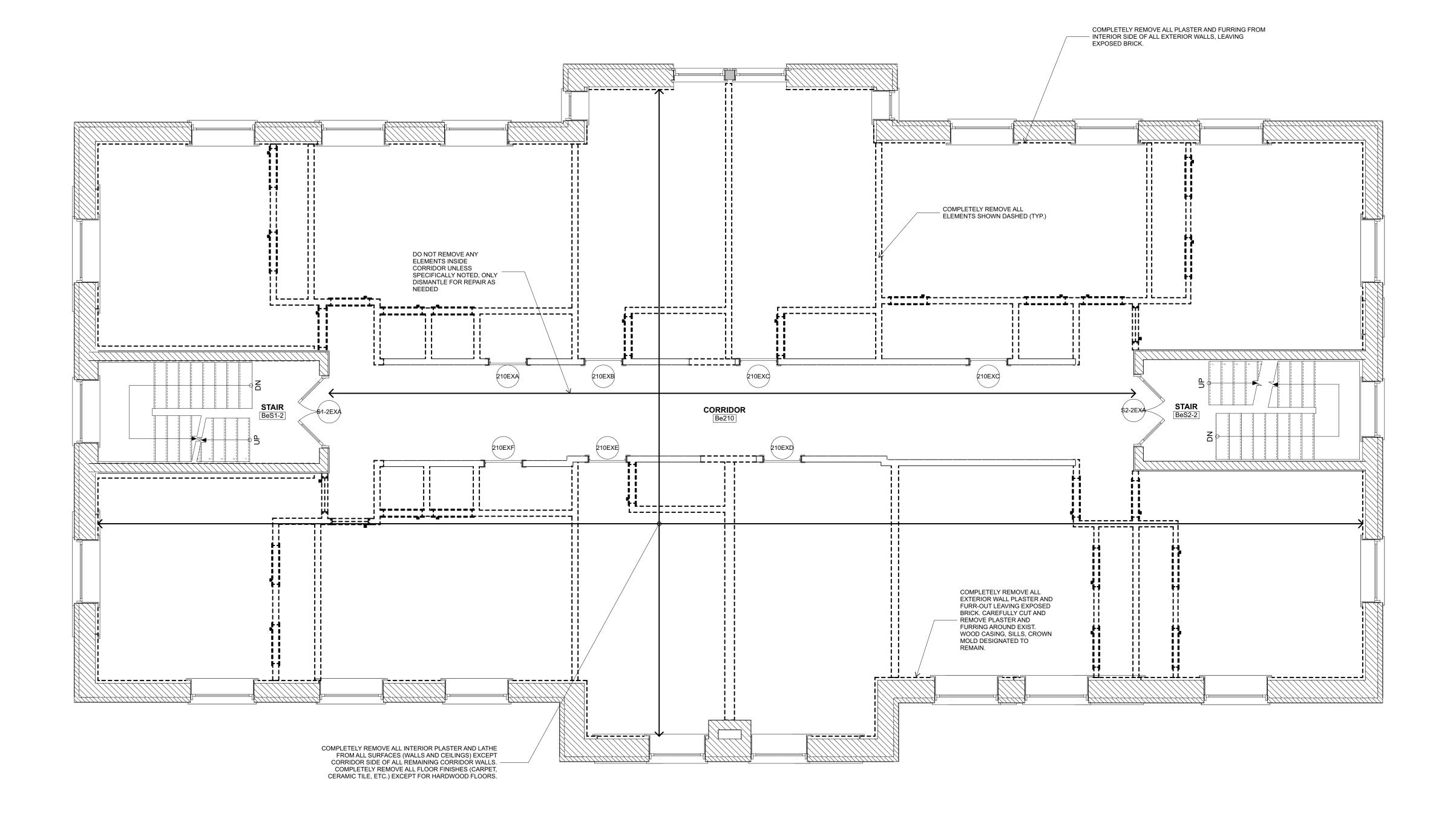
SCALE: 1/4" = 1'-0"

3

- STRICTLY FOLLOW HISTORIC TREATMENT PROCEDURES AS DESCRIBED IN THIS SET OF DRAWINGS AND IN SPECIFICATIONS WHEN REMOVING OR DISMANTLING ANY EXISTING MATERIAL, WHETHER DESIGNATED
- BUILD TEMPORARY PROTECTION AROUND EACH HISTORIC ELEMENT WHICH CAN SUSTAIN DAMAGE
- SEE ADDITIONAL DEMOLITION INFORMATION IN STRUCTURAL, CIVIL, MEPFP DRAWINGS AND SPECIFICATIONS.
- DURING DEMOLITION OR CONSTRUCTION.



939 W RANDOLPH ST STE. 2W CHICAGO, IL 60607 Phone: 312-337-1960, Fax: 312-337-1910



Drawn by: MK Checked by: RJH Project No.: BH1905

NO.	DATE	ISSUED FOR
	10/10/2022	BID SET

BENNETT HALL

REHABILITATION

SHIMER SQUARE S JACKSON ST, MOUNT CARROLL, IL 61053

2ND FLOOR **DEMOLITION PLAN**

BAD.2



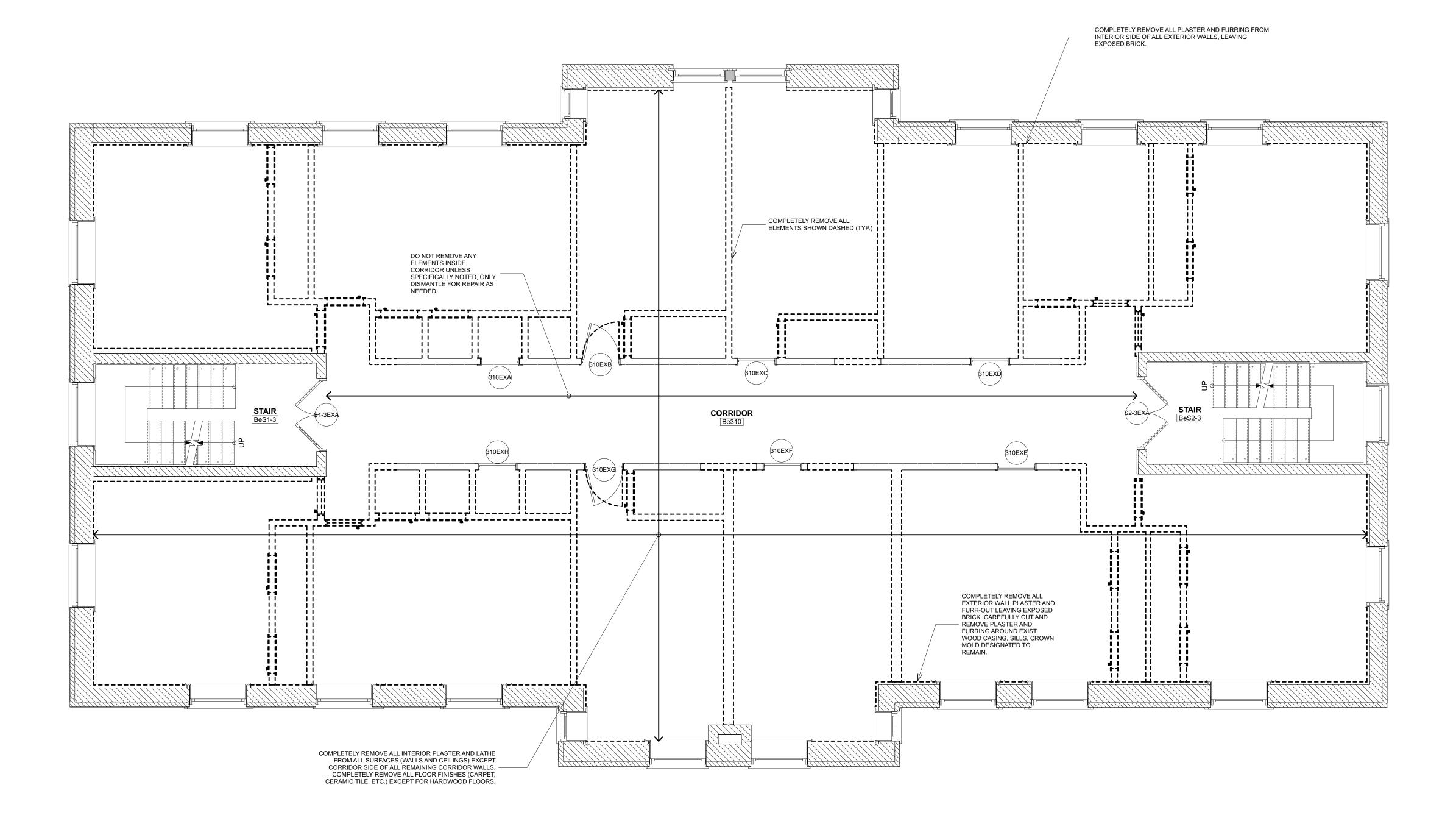
BENNETT 2ND FLOOR DEMOLITION PLAN

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

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- BUILD TEMPORARY PROTECTION AROUND EACH HISTORIC ELEMENT WHICH CAN SUSTAIN DAMAGE
- SEE ADDITIONAL DEMOLITION INFORMATION IN STRUCTURAL, CIVIL, MEPFP DRAWINGS AND SPECIFICATIONS.
- DURING DEMOLITION OR CONSTRUCTION.



939 W RANDOLPH ST STE. 2W CHICAGO, IL 60607 Phone: 312-337-1960, Fax: 312-337-1910



Drawn by: MK Checked by: RJH Project No.: BH1905

> NO. DATE ISSUED FOR 10/10/2022 BID SET

BENNETT HALL

REHABILITATION

SHIMER SQUARE S JACKSON ST, MOUNT CARROLL, IL 61053

3RD FLOOR **DEMOLITION PLAN**

BAD.3

BENNETT 3RD FLOOR DEMOLITION PLAN

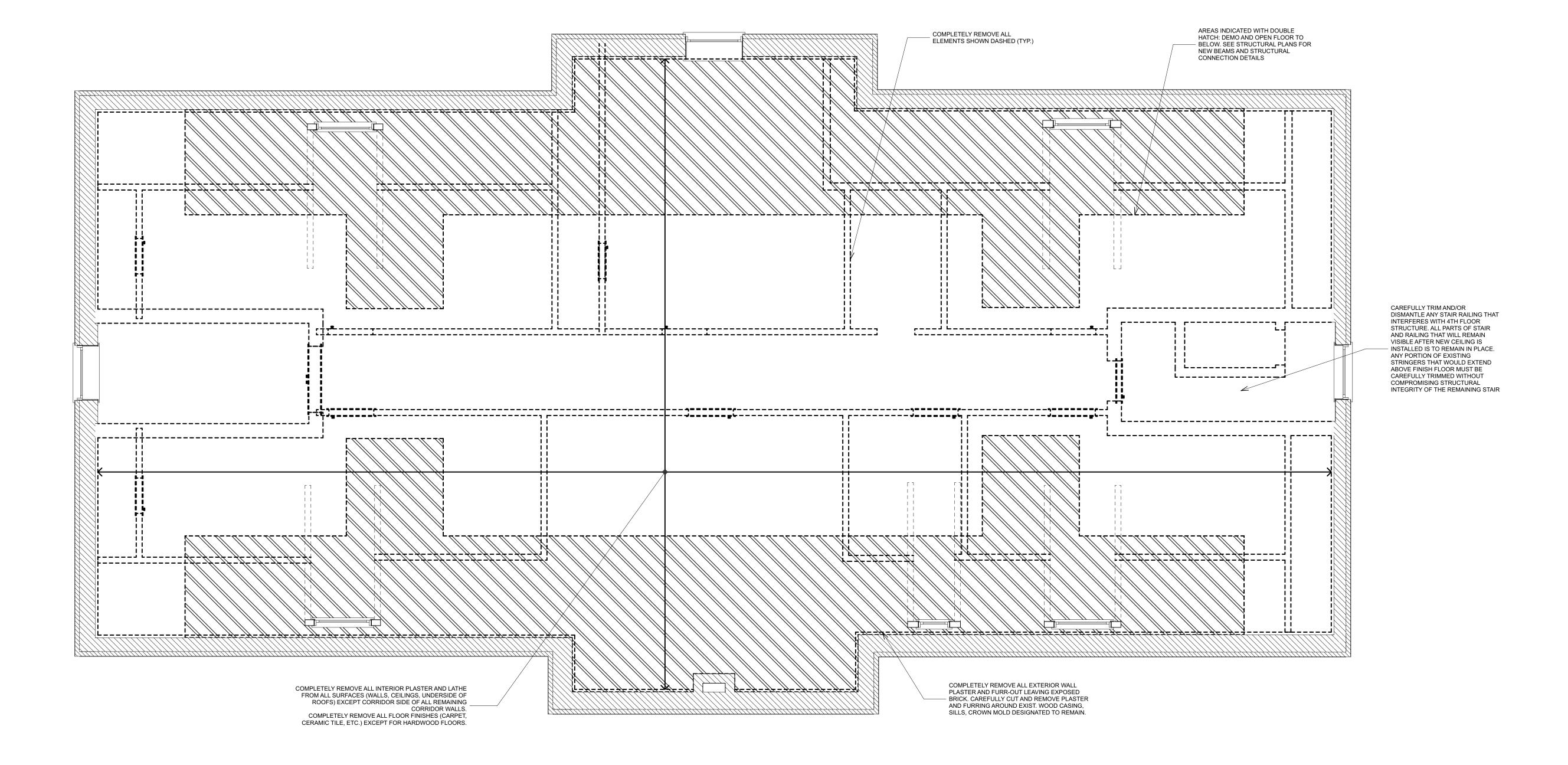
SCALE: 1/4" = 1'-0"

- STRICTLY FOLLOW HISTORIC TREATMENT PROCEDURES AS DESCRIBED IN THIS SET OF DRAWINGS AND IN SPECIFICATIONS WHEN REMOVING OR DISMANTLING ANY EXISTING MATERIAL, WHETHER DESIGNATED
- AS HISTORIC OR NOT. BUILD TEMPORARY PROTECTION AROUND EACH HISTORIC ELEMENT WHICH CAN SUSTAIN DAMAGE
- SEE ADDITIONAL DEMOLITION INFORMATION IN STRUCTURAL, CIVIL, MEPFP DRAWINGS AND
- DURING DEMOLITION OR CONSTRUCTION.

SPECIFICATIONS.



939 W RANDOLPH ST STE. 2W CHICAGO, IL 60607 Phone: 312-337-1960, Fax: 312-337-1910



Drawn by: MK

Checked by: RJH Project No.: BH1905

ISSUED FOR NO. DATE **BID SET** 10/10/2022

BENNETT HALL

REHABILITATION

SHIMER SQUARE S JACKSON ST, MOUNT CARROLL, IL 61053

ATTIC DEMOLITION PLAN

BAD.4



BENNETT ATTIC DEMOLITION PLAN SCALE: 1/4" = 1'-0"

GENERAL HISTORIC TREATMENT

For detailed description of all procedures required, see Specifications, Section 013591 - HISTORIC TREATMENT PROCEDURES

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- 2. Use additional material or structure to reinforce, strengthen, prop, tie, and support
- existing material or structure.
- 3. Use reversible processes wherever possible.
- 4. Use historically accurate repair and replacement materials and techniques unless
- otherwise indicated.
- 5. Record existing work before each procedure (preconstruction) and progress during the work with digital preconstruction documentation photographs . Comply with requirements in Section 013233 "Photographic Documentation."

DEFINITIONS OF TREATMENT PROCEDURES OF HISTORIC MATERIAL

Consolidate: To strengthen loose or deteriorated materials in place.

Design Reference Sample: A sample that represents Architect's prebid selection of work to be matched; it may be existing work or work specially produced for Project.

Dismantle: To disassemble or detach a historic item from a surface, or a nonhistoric item from a historic surface, using gentle methods and equipment to prevent damage to historic items and surfaces; disposing of items unless indicated to be salvaged or reinstalled.

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> 2. Rehabilitation Areas: Areas of significant architectural importance, integrity, and visibility; to be preserved and restored consistent with the remaining historic fabric and to the extent indicated on Drawings.

Match: To blend with adjacent construction and manifest no apparent difference in material type, species, cut, form, detail, color, grain, texture, or finish; as approved

Refinish: To remove existing finishes to base material and apply new finish to match original, or as otherwise indicated.

Reinstall: To protect removed or dismantled item, repair and clean it as indicated for reuse, and reinstall it in original position, or where indicated.

Remove: To take down or detach a nonhistoric item located within a historic space, area, or room, using methods and equipment to prevent damage to historic items and surfaces; disposing of items unless indicated to be salvaged or reinstalled.

Repair: To correct damage and defects, retaining existing materials, features, and finishes while employing as little new material as possible. This includes patching, piecing-in, splicing, consolidating, or otherwise reinforcing or upgrading materials. Replace: To remove, duplicate, and reinstall entire item with new material. The original

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same or a similar material as the original, unless otherwise indicated. Restore: To consolidate, replicate, reproduce, repair, and refinish as required to achieve the indicated results.

Retain: To keep existing items that are not to be removed or dismantled.

Reversible: New construction work, treatments, or processes that can be removed or undone in the future without damaging historic materials unless otherwise indicated. **Salvage:** To protect removed or dismantled items and deliver them to Owner.

Stabilize: To provide structural reinforcement of unsafe or deteriorated items while maintaining the essential form as it exists at present; also, to reestablish a weather-

Strip: To remove existing finish down to base material unless otherwise indicated.

TEMPORARY PROTECTION OF HISTORIC **MATERIALS**

- 1. Protect existing historic materials with temporary protections and construction. Do not remove existing materials unless otherwise indicated.
- 2. Do not attach temporary protection to historic surfaces except as indicated as part of the historic treatment program and approved by Architect.

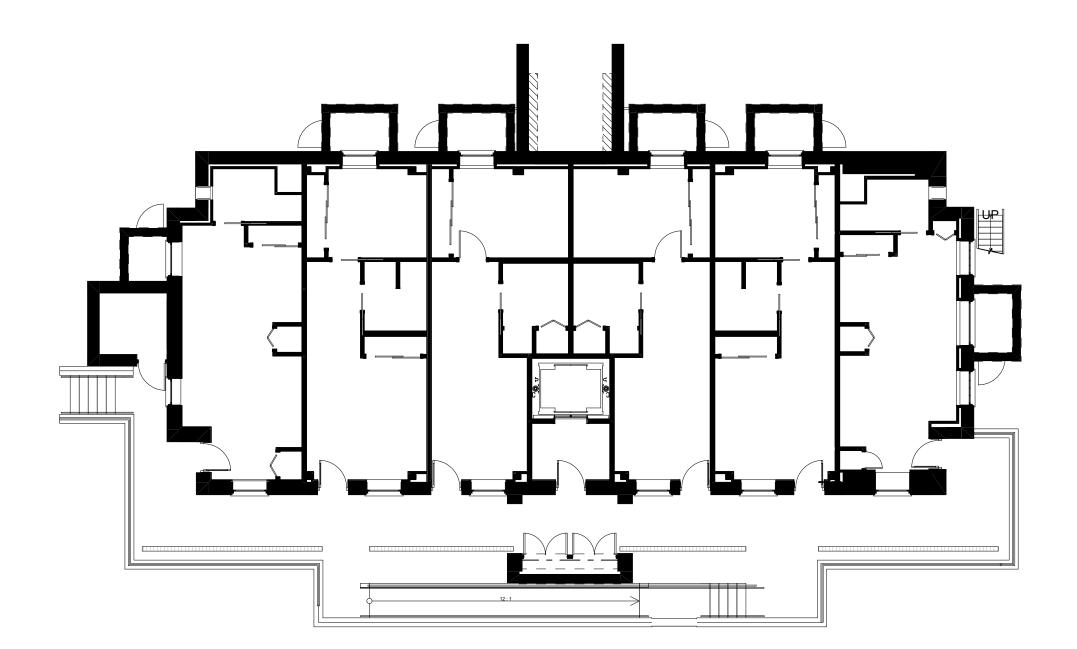
STORAGE AND HANDLING OF HISTORIC MATERIALS

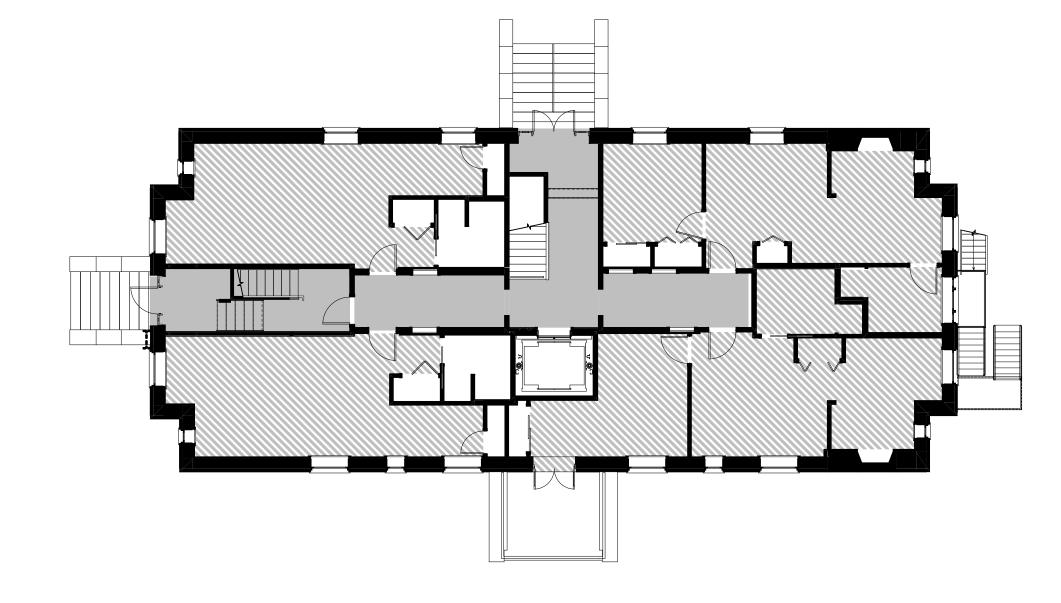
Salvaged Historic Materials:

- 1. Clean loose dirt and debris from salvaged historic items unless more extensive
- 2. Pack or crate items after cleaning; cushion against damage during handling. Label
- 3. Store items in a secure area until delivery to Owner.
- 4. Transport items to storage area designated by Owner.
- 5. Protect items from damage during transport and storage.

Historic Materials for Reinstallation:

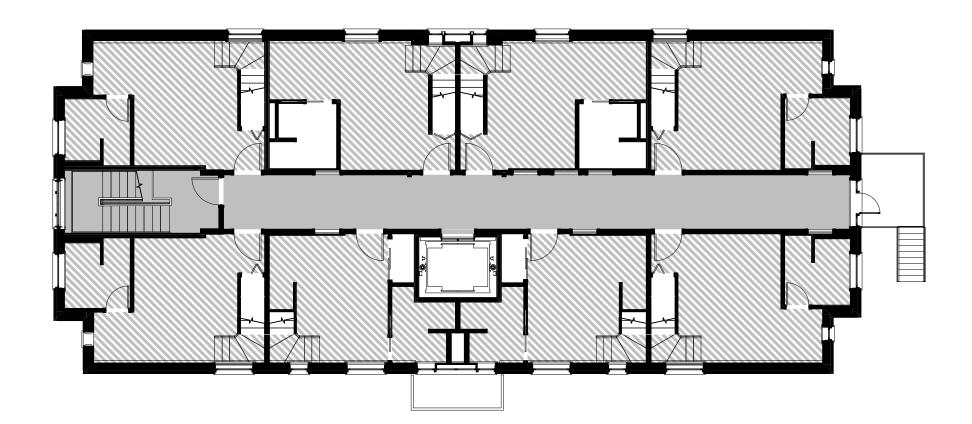
- 1. Repair and clean historic items for reuse as indicated.
- 2. Pack or crate items after cleaning and repairing; cushion against damage during handling. Label contents of containers.
- 3. Protect items from damage during transport and storage.
- 4. Reinstall items in locations indicated. Comply with installation requirements for new
- materials and equipment unless otherwise indicated. Provide connections, supports, and miscellaneous materials to make items functional for use indicated.
- C. Existing Historic Materials to Remain: Protect construction indicated to remain against damage and soiling from construction work. Where permitted by Architect, items may be dismantled and taken to a suitable, protected storage location during construction work and reinstalled in their original locations after historic treatment and construction work in the vicinity is complete.
- D. Storage: Catalog and store historic items within a weathertight enclosure where they are protected from moisture, weather, condensation, and freezing temperatures.

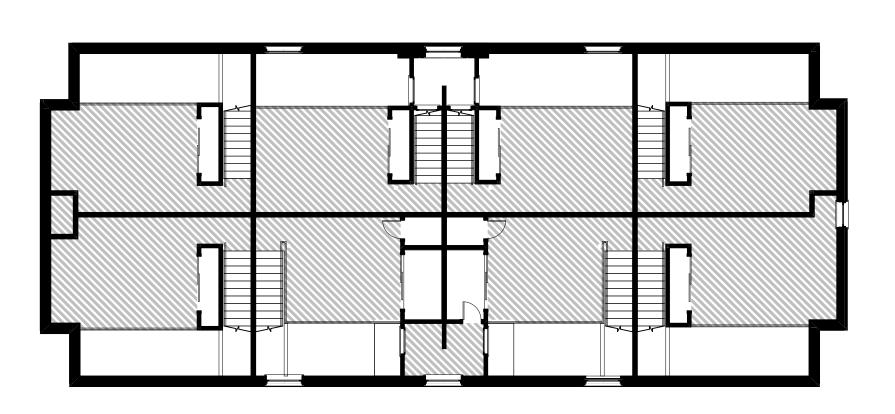




LOWER LEVEL HISTORIC TREATMENT PLAN SCALE: 3/32" = 1'-0"

1ST FLOOR HISTORIC TREATMENT PLAN





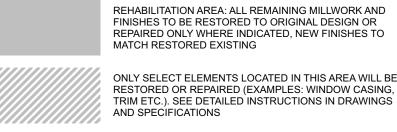
2ND FLOOR HISTORIC TREATMENT PLAN

3RD FLOOR HISTORIC TREATMENT PLAN

INTERIOR TREATMENT - LEGEND

SEE EXTERIOR ELEVATIONS, PLANS, FINISH SCHEDULES FOR DETAILED INFORMATION REGARDING HISTORIC TREATMENT.

RESTORATION AREA (BENNETT ONLY): ALL MILLWORK AND FINISHES TO BE RESTORED TO ORIGINAL DESIGN



ONLY SELECT ELEMENTS LOCATED IN THIS AREA WILL BE RESTORED OR REPAIRED (EXAMPLES: WINDOW CASING, TRIM ETC.). SEE DETAILED INSTRUCTIONS IN DRAWINGS

ALL EXISTING DOOR HARDWARE TO BE SALVAGED. ALL EXISTING DOORS SHOWN TO BE DISMANTLED (SEE DEMO PLANS) ARE TO BE ALL DOORS DESIGNATED TO REMAIN AND BECOME INOPERABLE ARE TO HAVE BLANK HARDWARE PLATES INSTALLED CORRIDOR SIDE ONLY (NO HANDLE) ALL EXISTING GLAZED TRANSOMS OR DOOR LITES TO BE RETAINED AND PERMANENTLY REFINISHED BEHIND EXPOSED GLAZING IN ORDER TO MAKE THEM

ALL ORIGINAL LIGHT FIXTURES TO BE DISMANTLED AND SALVAGED. CONSULT ARCHITECT WHICH OF THE SALVAGED LIGHT FIXTURES WILL BE REINSTALLED AND IN WHICH LOCATIONS (CERAMIC OR PLASTIC LIGHT BULB SOCKETS ARE NOT CONSIDERED TO BE SALVAGED AND ARE TO BE REMOVED).

EXISTING INTERIOR WALL PANELING IS NOT CONSIDERED ORIGINAL TO THE

BARANSKI HAMMER MORETTA & SHEEHY ARCHITECTS AND PLANNERS

939 W RANDOLPH ST STE. 2W CHICAGO, IL 60607 Phone: 312-337-1960, Fax: 312-337-1910

HATHAWAY

ISSUED FOR

BID SET

Drawn by: MK

NO. DATE

Checked by: RJH

10/10/2022

Project No.: BH1906

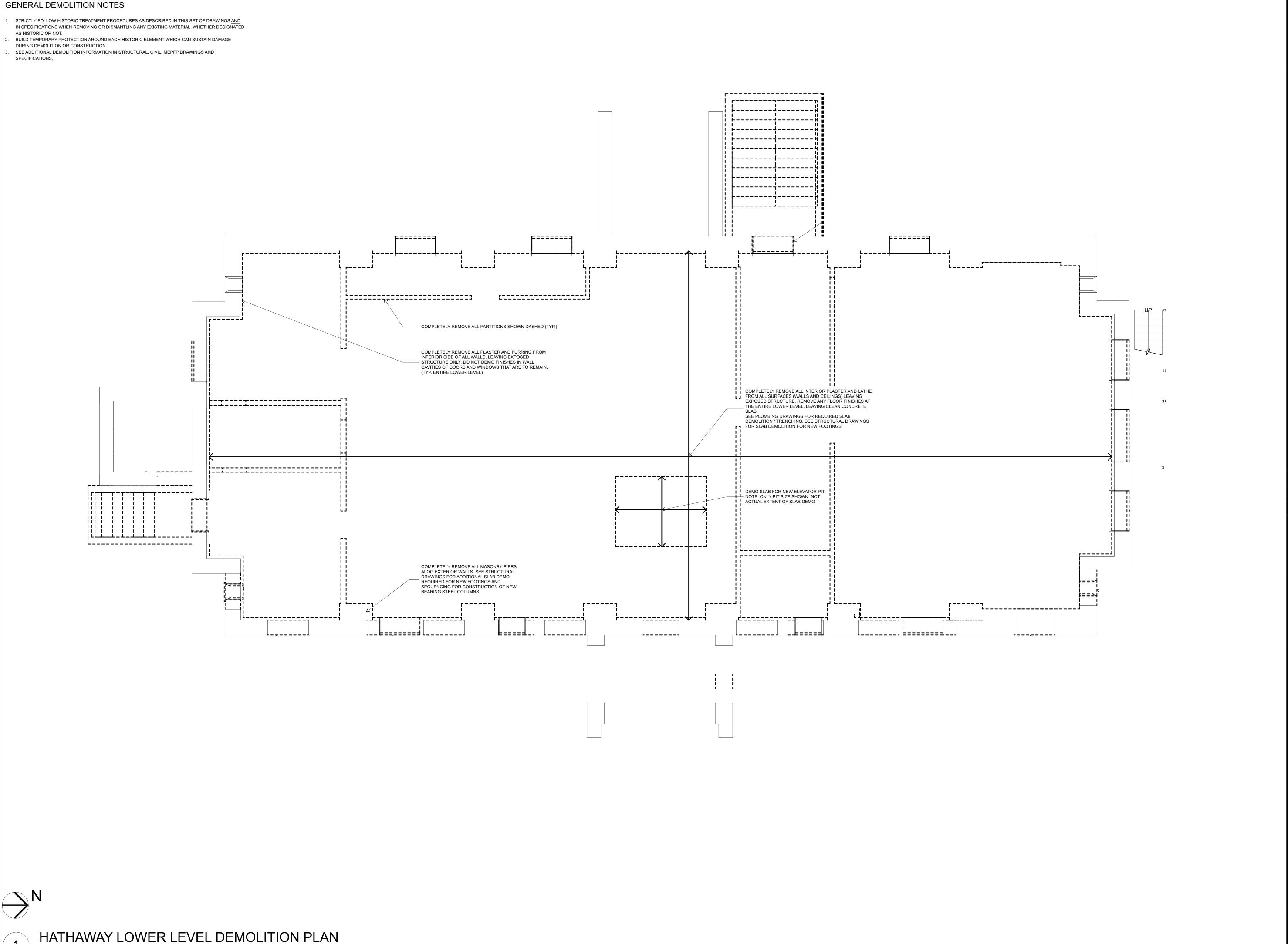
REHABILITATION

HALL

SHIMER SQUARE S JACKSON ST, MOUNT CARROLL, IL 61053

HISTORIC TREATMENT KEY **PLANS, NOTES AND DEFINITIONS**

HA0.1



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

BHMS

BARANSKI HAMMER

MORETTA & SHEEHY

ARCHITECTS AND PLANNERS

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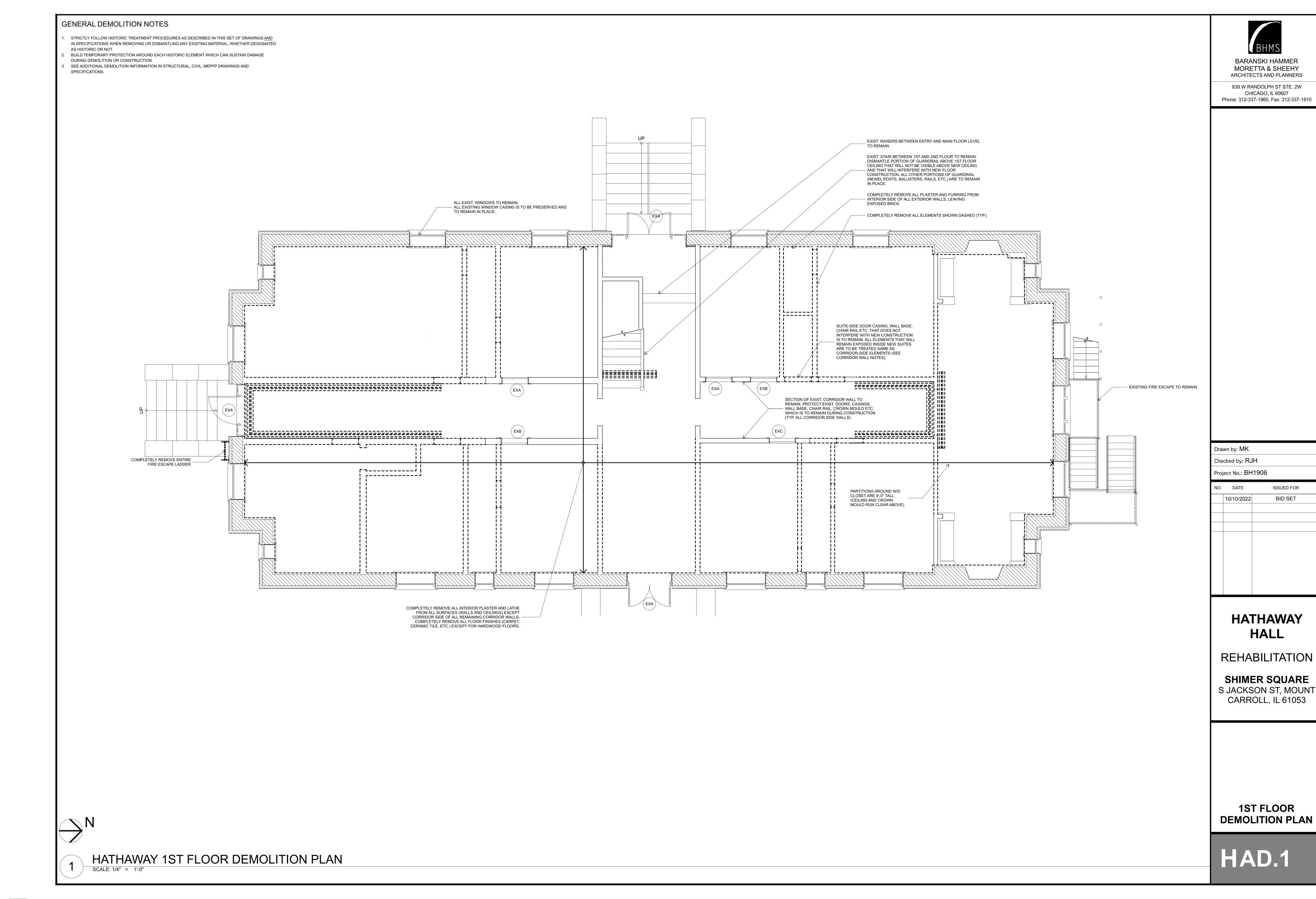
HATHAWAY HALL

REHABILITATION

SHIMER SQUARE S JACKSON ST, MOUNT CARROLL, IL 61053

LOWER LEVEL DEMOLITION PLAN

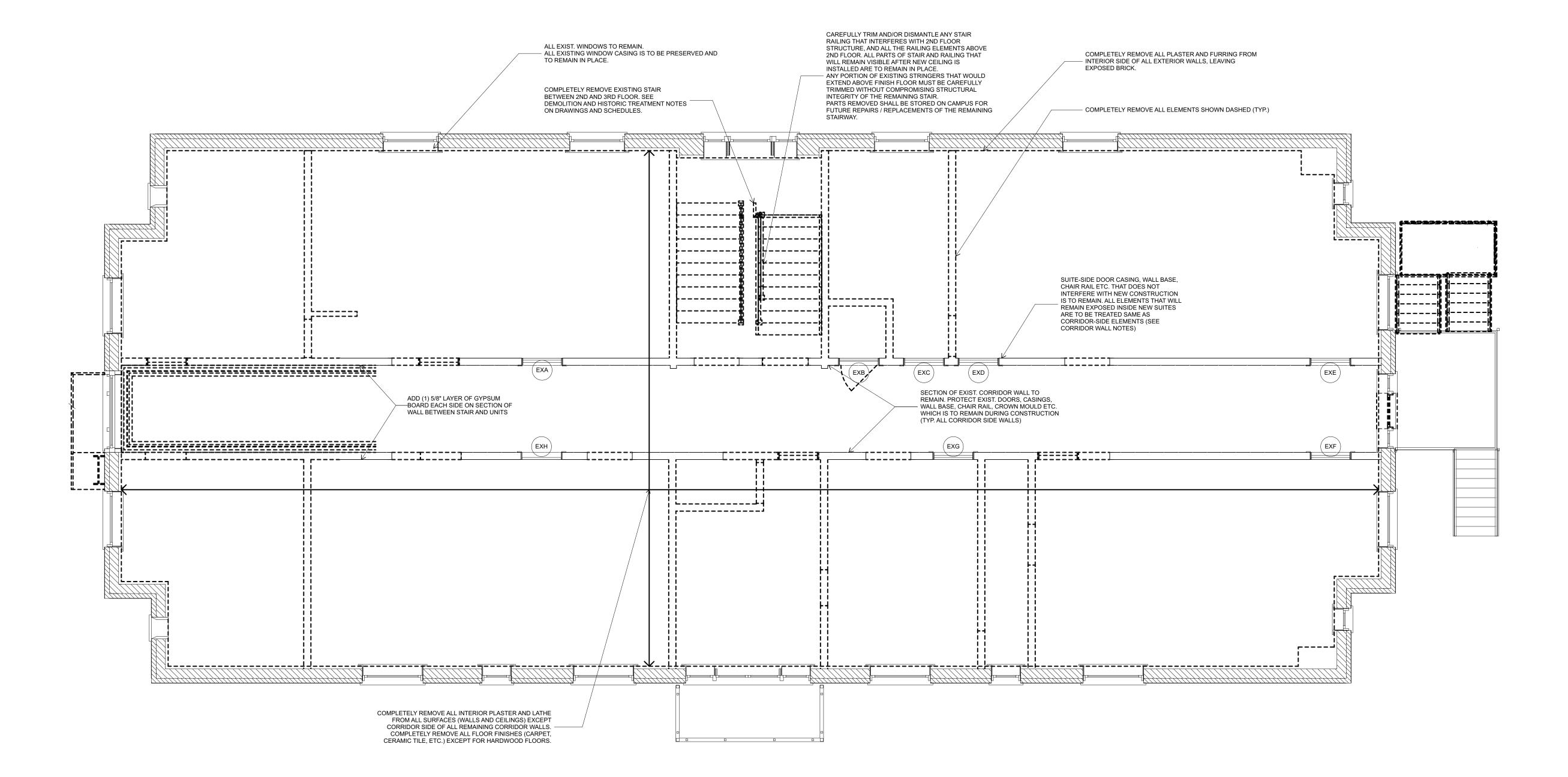
HAD.0



- STRICTLY FOLLOW HISTORIC TREATMENT PROCEDURES AS DESCRIBED IN THIS SET OF DRAWINGS AND IN SPECIFICATIONS WHEN REMOVING OR DISMANTLING ANY EXISTING MATERIAL, WHETHER DESIGNATED
- AS HISTORIC OR NOT. BUILD TEMPORARY PROTECTION AROUND EACH HISTORIC ELEMENT WHICH CAN SUSTAIN DAMAGE
- DURING DEMOLITION OR CONSTRUCTION. SEE ADDITIONAL DEMOLITION INFORMATION IN STRUCTURAL, CIVIL, MEPFP DRAWINGS AND SPECIFICATIONS.



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REHABILITATION

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2ND FLOOR **DEMOLITION PLAN**

HAD.2

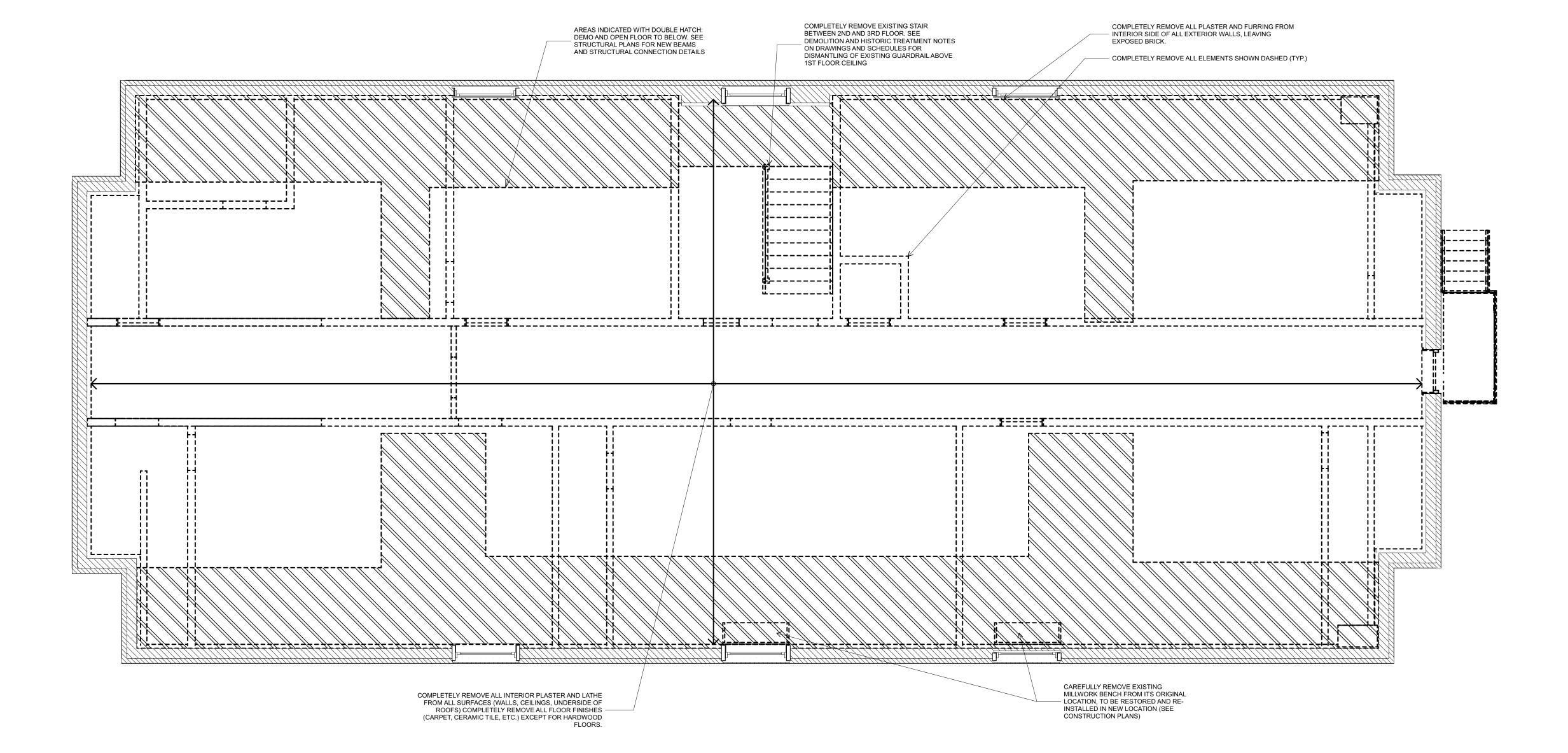


HATHAWAY 2ND FLOOR DEMOLITION PLAN SCALE: 1/4" = 1'-0"

- 1. STRICTLY FOLLOW HISTORIC TREATMENT PROCEDURES AS DESCRIBED IN THIS SET OF DRAWINGS <u>AND</u> IN SPECIFICATIONS WHEN REMOVING OR DISMANTLING ANY EXISTING MATERIAL, WHETHER DESIGNATED
- 2. BUILD TEMPORARY PROTECTION AROUND EACH HISTORIC ELEMENT WHICH CAN SUSTAIN DAMAGE
- 3. SEE ADDITIONAL DEMOLITION INFORMATION IN STRUCTURAL, CIVIL, MEPFP DRAWINGS AND SPECIFICATIONS.
- DURING DEMOLITION OR CONSTRUCTION.



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3RD FLOOR DEMOLITION PLAN

HAD.3

