

# CHAMPAIGN COUNTY - SELECT BUILDING DEMOLITION

1701 E Main St,  
Urbana, IL 61802

ISSUED FOR BID - 02/09/2026

ITB #2026-002



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M/E/P Engineer  
GHR Engineers and Associates, Inc.  
1615 S Neil St.,  
Champaign, IL 61820

ABBREVIATIONS		DRAWING MATRIX		SCOPE OF WORK SUMMARY	
A					
ACT	ACOUSTICAL CEILING TILE	I	INSUL	UNSL	THE PROJECT IS LOCATED IN CHAMPAIGN COUNTY IN URBANA, ILLINOIS. THE PRIMARY SCOPE OF WORK INCLUDES DEMOLISHING THE ENTIRE NURSING HOME BUILDING THAT IS CURRENTLY CONNECTED TO THE ILEAS FACILITY. CONNECTIONS BETWEEN THE OCCUPIED ILEAS SPACE IN THE AREA TO BE REMOVED IS TO BE MODIFIED TO PROVIDE A WATERTIGHT BARRIER.
AD	AREA DRAIN	INT	INTERIOR	UNSL	
AFF	ABOVE FINISHED FLOOR	IRGBW	IMPACT RESISTANT GYPSUM WALLBOARD	V	
ALUM	ALUMINUM	L	LAVATORY	VIF	
ANOD	ANODIZED	M	MATERIAL	VP	
APPROX	APPROXIMATE	MAX	MAXIMUM	W	
B		MECH	MECHANICAL	W/W	
BSMT	BASEMENT	MFR	MANUFACTURER	WD	
BTM/	BOTTOM OF	MIN	MINIMUM	WWF	
C		MO	MASONRY OPENING		
C/C	CENTER TO CENTER	MRGBW	MOISTURE-RESISTANT GYPSUM WALL BOARD		
CIP	CAST IN PLACE	MTD	MONTEED		
CJ	CONTROL JOINT	MTL	METAL		
CLG	CEILING	N			
CLR	CLEAR	NIC	NOT IN CONTRACT		
CMU	CONCRETE MASONRY UNIT	NO	NUMBER		
CO	CLEAN OUT	NOM	NOMINAL		
COL	COLUMN	O	ON CENTER		
CONC	CONCRETE	OC	OPPOSITE HAND		
CONST JT	CONSTRUCTION JOINT	OH	OUNCE		
CONT	CONTINUOUS	OZ			
CPT	CARPET	P			
CT	CERAMIC TILE	PCC	PRE-CAST CONCRETE		
D		PLUMB	PLUMBING		
DBL	DOUBLE	PNT	PAINT/PAINTED		
DEMO	DEMOLISH	PSI	POUNDS PER SQUARE INCH		
DIA	DIA METER	PT	PRESSURE TREATED		
DIMS	DIMENSIONS	PVC	POLYVINYL CHLORIDE		
DN	DOWN	R			
DTL	DETAIL	RBR	RADIUS		
DWG	DRAWING	RCP	RUBBER		
E		RD	REFLECTED CEILING PLAN		
EA	EACH	REINF	ROOF DRAIN		
EJ	EXPANSION JOINT	REQD	REINFORCED		
EL	ELEVATION	RM	REQUIRED		
ELEC	ELECTRICAL	S	ROOM		
ELEV	ELEVATOR / ELEVATION	SF	SQUARE FOOT		
EPDM	ETHYLENE PROPYLENE DIENE ROOFING	SIM	SIMILAR		
EQ	EQUAL	SOG	SLAB ON GRADE		
EXIST	EXISTING	SPEC	SPECIFIED OR SPECIFICATION		
EXT	EXTERIOR	SPK	SPRINKLER		
F		SO	SQUARE		
FD	FLOOR DRAIN	SSTL	STAINLESS STEEL		
FE	FIRE EXTINGUISHER	STC	SOUND TRANSMISSION COEFFICIENT		
FEC	FIRE EXTINGUISHER CABINET	STL	STEEL		
FFE	FINISHED FLOOR ELEVATION	STRUCT	STRUCTURAL		
FIN	FINISH	T			
FLR	FLOOR	T&G	TONGUE & GROOVE		
FND	FOUNDATION	T/	TOP		
FO	FACE OF	T/D	TELEPHONE/DATA		
FTG	FOOTING	TELE	TELEPHONE		
G		TLT	TOILET		
GA	GAUGE	TOC	TOP OF CONCRETE		
GALV	GALVANIZED	TOS	TOP OF STEEL / STRUCTURE		
GWB	GYPSUM WALL BOARD	TOW	TOP OF WALL		
H		TYP	TYPICAL		
HC	HOLLOW CORE				
HM	HOLLOW METAL				
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING				
SYMBOLS LEGEND		PROJECT AXON - FOR INFORMATION ONLY		LOCATION MAP	
	DETAIL NUMBER SHEET NUMBER		ELEVATION TAG		ALIGN/FLUSH SURFACES
	ROOM NAME ROOM NUMBER		DOOR TAG		SIGNAGE TAG
	SQUARE FOOTAGE		SECTION TAG		ROOM HEIGHT
	INTERIOR ELEVATION TAG		DETAIL TAG		WINDOW TAG
	NORTH ARROW		DETAIL TAG		WALL TAG
	DIMENSION STRING		GRID LINE		EQUIPMENT TAG
					KEYNOTE
<b>CHAMPAIGN COUNTY - SELECT BUILDING DEMOLITION</b> 1701 E Main St, Urbana, IL 61802		<b>PROJECT AXON - FOR INFORMATION ONLY</b> 		<b>LOCATION MAP</b> 	
<b>COVER</b> Drawing Title 1701 E Main St, Urbana, IL 61802		<b>SCOPE OF WORK SUMMARY</b> <p>THE PROJECT IS LOCATED IN CHAMPAIGN COUNTY IN URBANA, ILLINOIS. THE PRIMARY SCOPE OF WORK INCLUDES DEMOLISHING THE ENTIRE NURSING HOME BUILDING THAT IS CURRENTLY CONNECTED TO THE ILEAS FACILITY. CONNECTIONS BETWEEN THE OCCUPIED ILEAS SPACE IN THE AREA TO BE REMOVED IS TO BE MODIFIED TO PROVIDE A WATERTIGHT BARRIER.</p> <p>RELATED WORK GENERALLY INCLUDES, BUT IS NOT LIMITED TO:</p> <ul style="list-style-type: none"> <li>• SELECT REMOVAL OF EXTERIOR ELEMENTS</li> <li>• COMPLETE DEMOLITION OF BUILDING</li> <li>• SELECT REMOVAL OF SIDEWALKS</li> <li>• REMOVAL OF UTILITIES AND HAZARDOUS MATERIALS</li> <li>• INFILL OF BASEMENT, GRADING, COMPACTION, AND ESTABLISHMENT OF GRASS</li> <li>• MODIFICATIONS AT CONNECTION TO EXISTING FACILITY INCLUDING CONSTRUCTION OF AREA WELL</li> </ul>		<b>REVISION SCHEDULE</b> DATE DRAWING SET TITLE 1.30.2026 95% CONSTRUCTION DOCUMENTS 2.9.2026 ISSUED FOR BID	
<b>EXPIRATION DATE</b> 11-30-2026		<b>ITB No.</b> 2026-002		<b>BE Project No.</b> 024002	
<b>Drawn By</b> LG		<b>Drawing No.</b> G000		<b>Drawing Date</b> 02.09.2026	



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## GENERAL SITE NOTES

- THE ILEAS BUILDING WILL BE OCCUPIED BY THE USING AGENCY DURING CONSTRUCTION. GENERAL CONTRACTOR SHALL PROVIDE REASONABLE ACCESS TO THE BUILDING TO ALLOW NORMAL OPERATION AND USE.
- THE PUBLIC WAY AND EXISTING SIDEWALK SHALL REMAIN OPEN AND ACCESSIBLE IN THE EVENT OF AN EMERGENCY OR AS REQUIRED BY THE USING AGENCY AND THE AUTHORITIES HAVING JURISDICTION. COORDINATE WITH THE PHASING AND SCHEDULING OF THE WORK.
- THE GENERAL CONTRACTOR AGENT SHALL PROVIDE TEMPORARY PROTECTION OF ALL SITE ELEMENTS, LANDSCAPING, AND EXISTING BUILDING ELEMENTS SHOWN TO REMAIN TO THE PUBLIC. CONTRACTOR SHALL CEASE WORK IMMEDIATELY IF SITE CONDITIONS OR EXISTING BUILDING CONDITIONS IMPEDE THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT AND/OR REPAIR OF ANY ELEMENT DAMAGED DURING CONSTRUCTION AND RESTORE SUCH ELEMENTS TO A NEW-LIKE CONDITION, AESTHETICALLY MATCHING EXISTING CONDITIONS, ACCEPTABLE TO THE ARCHITECT AND THE OWNER. THE CONTRACTOR'S REPLACEMENT/REPAIR MAY EXTEND BEYOND THE ORIGINAL ELEMENTS DAMAGED BY NEARBY CONSTRUCTION OR CONTROL JOINTS. CONTRACTOR TO RE-SEED ANY DAMAGED LANDSCAPING DUE TO CONSTRUCTION.
- DIMENSIONS TO BE VERIFIED IN FIELD. FIELD VERIFY BEFORE ORDERING MATERIALS OR BEGINNING ANY WORK. REPORT ANY VARIANCES TO ARCHITECT.
- ALL CONTRACTORS SHALL VISIT PROJECT SITE PRIOR TO BIDDING.
- GENERAL CONTRACTOR SHALL REPAIR ALL EXISTING LAWN AREAS, LANDSCAPE MATERIALS, CURBS AND PAVING, WALKS, AND OTHER SITE ITEMS, CUT OR DAMAGED DURING CONSTRUCTION OPERATIONS.
- GENERAL CONTRACTOR TO PROVIDE SECURITY FENCING AROUND DEMOLITION OPERATION AND STORAGE AREAS.
- DO NOT BEGIN DEMOLITION OPERATIONS UNTIL MATERIALS TO IMMEDIATELY BEGIN RECONSTRUCTION ARE ON SITE.
- GENERAL CONTRACTOR SHALL CONFINES OPERATIONS TO WITHIN THE DISTURBED LIMITS.
- SEE MEP SHEETS FOR RELATED REMOVALS. COORDINATE REMOVALS WITH ALL TRADES.
- GENERAL CONTRACTOR TO PROVIDE ALL DIRECTIONAL SIGNAGE, ACCESSIBLE SIGNAGE, AND LIGHTING TO KEEP SITE AND ITS CONTEXT FUNCTIONAL AND SAFE THROUGHOUT THE SCHEDULE OF THE PROJECT.
- GENERAL CONTRACTOR TO KEEP GROUND PLANE AND PEDESTRIAN WALKING AREAS SAFE AND FREE FROM OBSTRUCTIONS, CROSS SLOPES, AND OTHER IMPEDIMENTS THAT COULD MAKE THE WALKING SURFACES UNSAFE OR IN CONTRADICTION WITH FEDERAL ACCESSIBILITY CODES.

## SHEET KEYNOTES

02.03 CAREFULLY REMOVE AND SALVAGE ALL EXISTING WOOD BRACKET  
02.04 CAREFULLY REMOVE AND SALVAGE EXISTING CARVED STONE (2 THUS).  
02.09 REMOVE THE EXISTING CONDUIT AND ACCESSORIES IN ITS ENTIRETY. PATCH AND REPAIR WALL AS REQUIRED. SEE MEP SHEETS FOR ADDITIONAL INFORMATION.



④ PHOTO - INT. BASEMENT VIEW  
NOT TO SCALE

REVISION SCHEDULE	
DATE	DRAWING SET TITLE
1.30.2026	95% CONSTRUCTION DOCUMENTS
2.9.2026	ISSUED FOR BID

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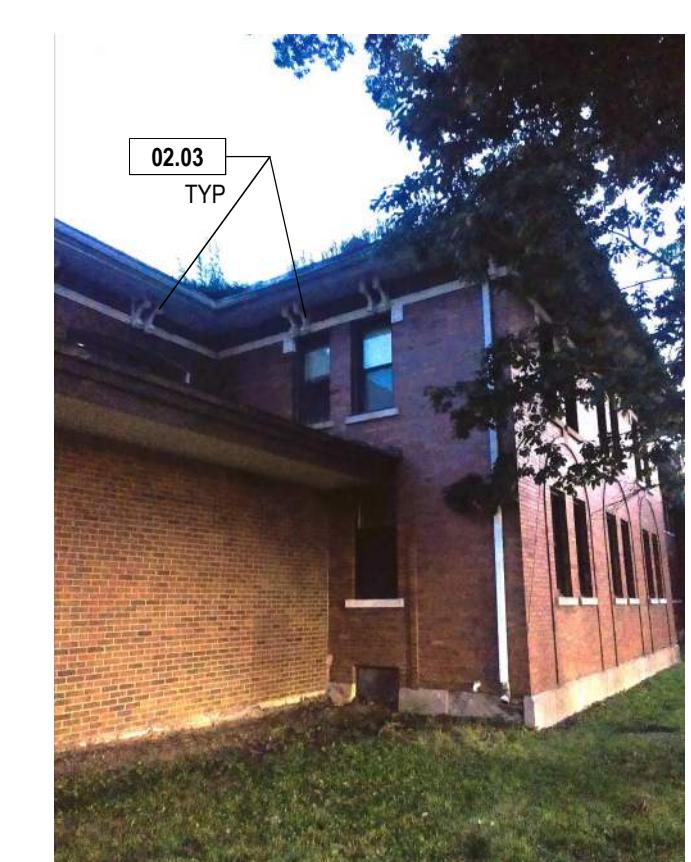
Drawing Title

## SITE LOGISTIC PLAN

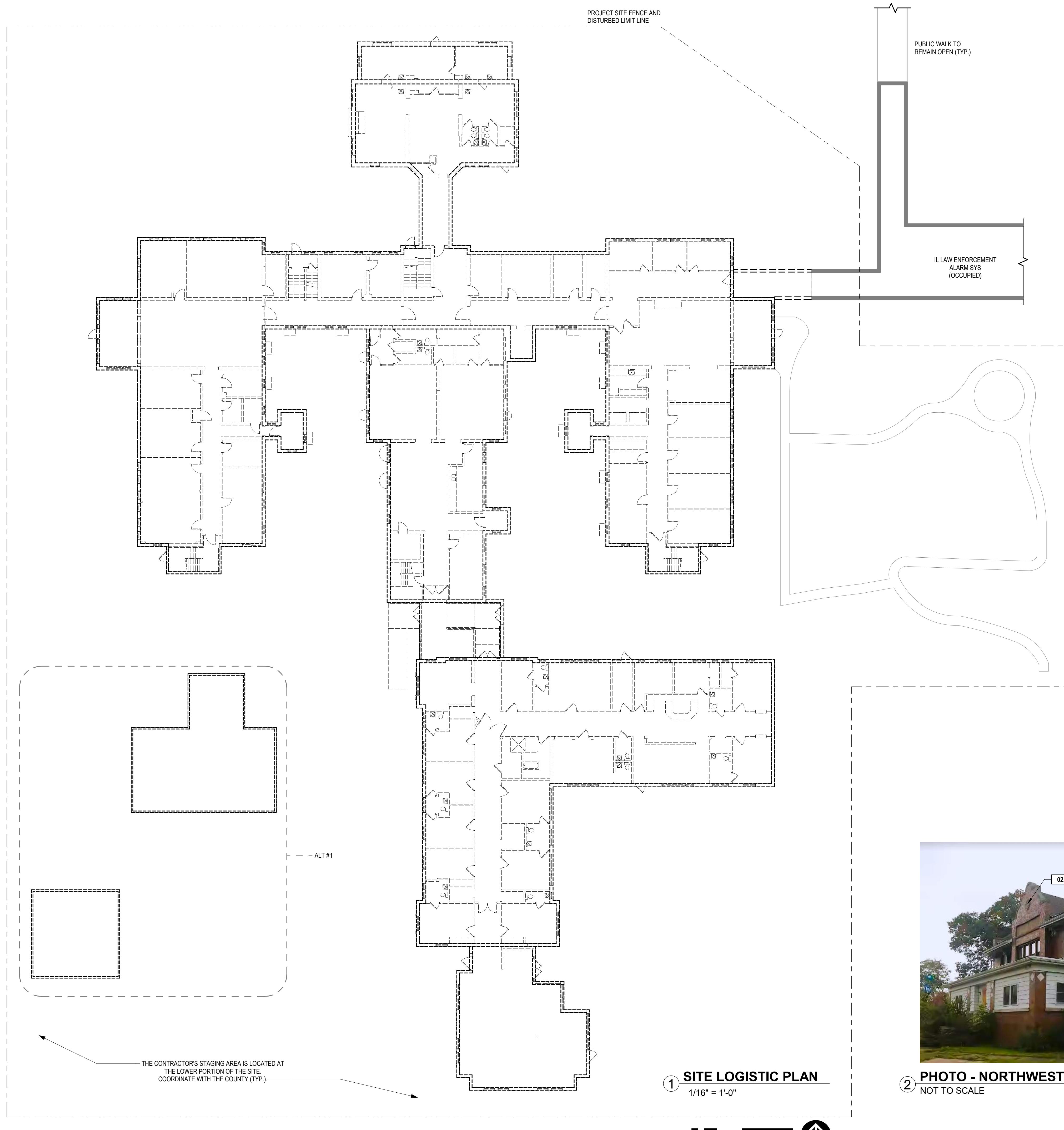
Expiration Date of Seal: 11-30-2026	ITB No: 2026-002
BE Project No: 024002	
Drawn By: LG	
Drawing No: G002	02.09.2026



② PHOTO - NORTHWEST VIEW  
NOT TO SCALE



③ PHOTO - NORTHEAST VIEW  
NOT TO SCALE







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## SHEET KEYNOTES

## NEW WORK PLAN LEGEND

Legend for construction symbols:

- Diagonal lines: AREA NOT IN SCOPE OF WORK
- Solid grey bar: EXISTING WALL TO REMAIN
- Double black lines: NEW WALL
- Grey bar with a door frame symbol: EXISTING DOOR AND FRAME TO REMAIN
- Black bar with a door frame symbol: NEW DOOR AND FRAME
- Three horizontal lines: PROJECT SITE FENCE AND DISTURBED LIMIT LINE

- 03.01 PROVIDE CONCRETE WALL TO ENCLOSE EXISTING BASEMENT AS SHOWN ON DRAWINGS.
- 07.01 PROVIDE AN AREA WELL ACCESS LADDER.
- 31.01 AFTER REMOVAL OF BUILDING, FOUNDATIONS AND UTILITIES, FILL AND COMPACT IN 8" LIFTS. FINISH ELEVATION TO MATCH ADJACENT. TYPICAL ENTIRE BUILDING FOOTPRINT.

## RESTORATION GENERAL NOTES

- ALL CONTRACTORS SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO STARTING WORK. EXISTING CONDITIONS SHOWN ARE BASED ON INFORMATION PROVIDED BY THE OWNER; FIELD VERIFICATION IS REQUIRED. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING.
- DO NOT PROCEED WITH ANY WORK WHERE HAZARDOUS MATERIALS ARE ENCOUNTERED. IMMEDIATELY NOTIFY THE ARCHITECT IF SUCH MATERIALS ARE DISCOVERED. WORK SHALL NOT CONTINUE UNTIL PROPER REMEDIATION HAS BEEN COMPLETED.
- HAZARDOUS MATERIALS MAY EXIST ONSITE. REFER TO ANY ASBESTOS, LEAD-BASED PAINT, AND HAZARDOUS MATERIAL REPORTS INCLUDED IN THE PROJECT MANUAL. DO NOT PROCEED WITH WORK IN AFFECTED AREAS UNTIL MATERIALS ARE IDENTIFIED, TESTED, AND, IF NEEDED, PROPERLY ABATED. NOTIFY THE ARCHITECT IMMEDIATELY IF ADDITIONAL HAZARDOUS MATERIALS ARE DISCOVERED.
- FIELD-VERIFY ALL EXISTING CONSTRUCTION BEFORE COMMENCING WORK.
- ALL DEMOLITION DEBRIS BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE DAILY UNLESS OTHERWISE NOTED. MAINTAIN A CLEAN AND SAFE WORKSITE AT ALL TIMES.
- EXECUTION OF WORK IMPLIES ACCEPTANCE OF EXISTING CONDITIONS. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE CONSIDERED DUE TO UNVERIFIED FIELD CONDITIONS.

## 2 PARTIAL MAIN FLOOR RESTORATION PLAN

1/4" = 1'-0"

Architectural floor plan showing a vertical fire alarm system (V.F.) and a horizontal alarm system (H.A.). The vertical system is labeled "V.F." and includes a vertical pipe with a valve and a detector labeled "03.01". The horizontal system is labeled "H.A." and includes a horizontal pipe with a detector labeled "07.01". A central detector labeled "002" is shown with a circular coverage area. Vertical dimensions on the left indicate "9'-6"" and "8'-0"". Horizontal dimensions include "2'-3 1/4"" and "7'-4" R.O. (Right of Passage)."

# 1 PARTIAL BASEMENT RESTORATION PLAN

1/4" = 1'-0"

<b>REVISION SCHEDULE</b>	
<b>DATE</b>	<b>DRAWING SET TITLE</b>
1.30.2026	95% CONSTRUCTION DOCUMENTS

# CHAMPAIGN COUNTY

CHAMPAIGN COUNTY -  
SELECT BUILDING  
DEMOLITION

# RESTORATION PLANS

Expiration Date of Seal: 11-30-2026	ITB No. <b>2026-002</b>
BE Project No. <b>024002</b>	
Drawn By: <b>Author</b>	
Drawing No. <b>A100</b>	
 02.09.2026	





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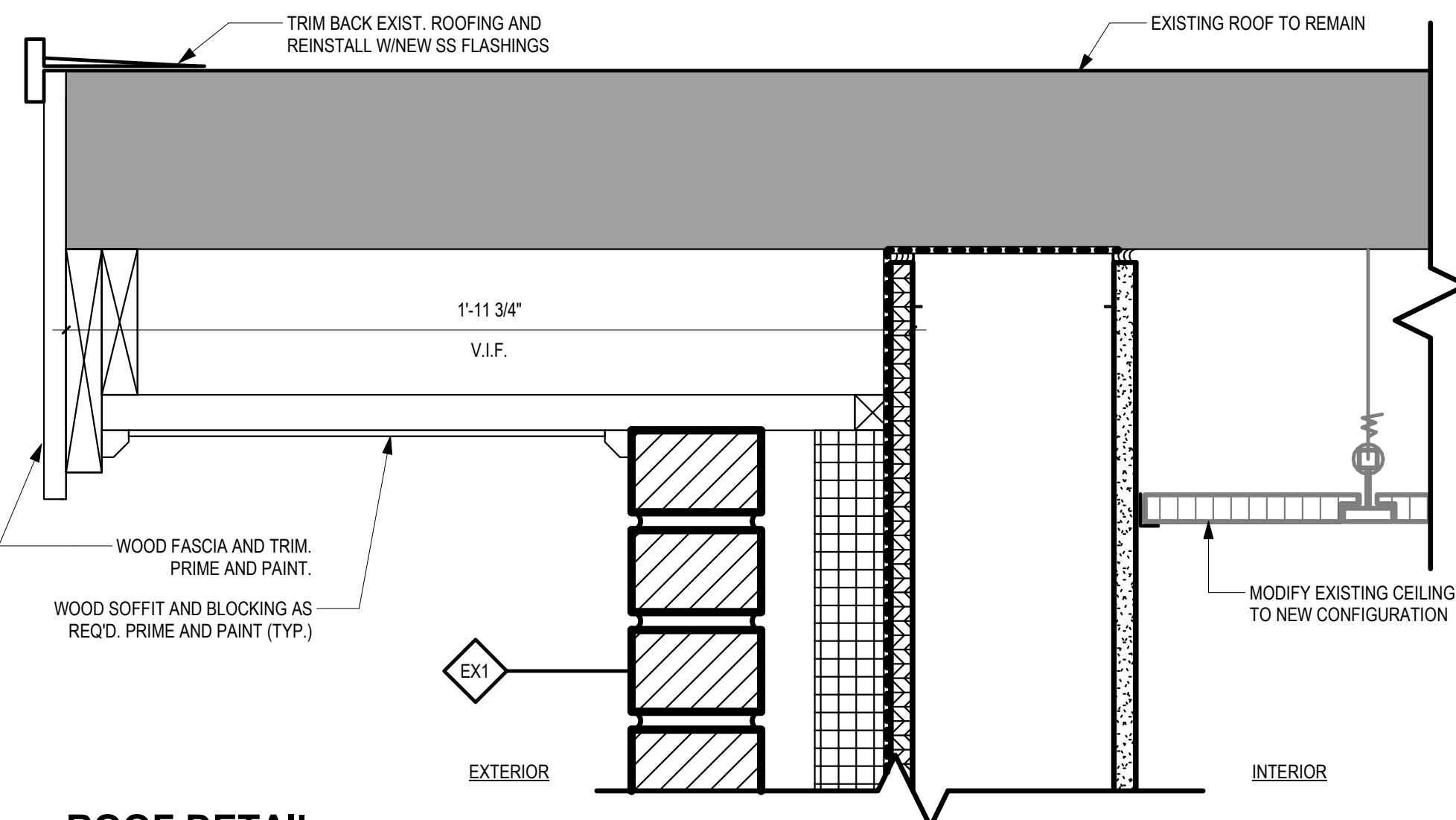
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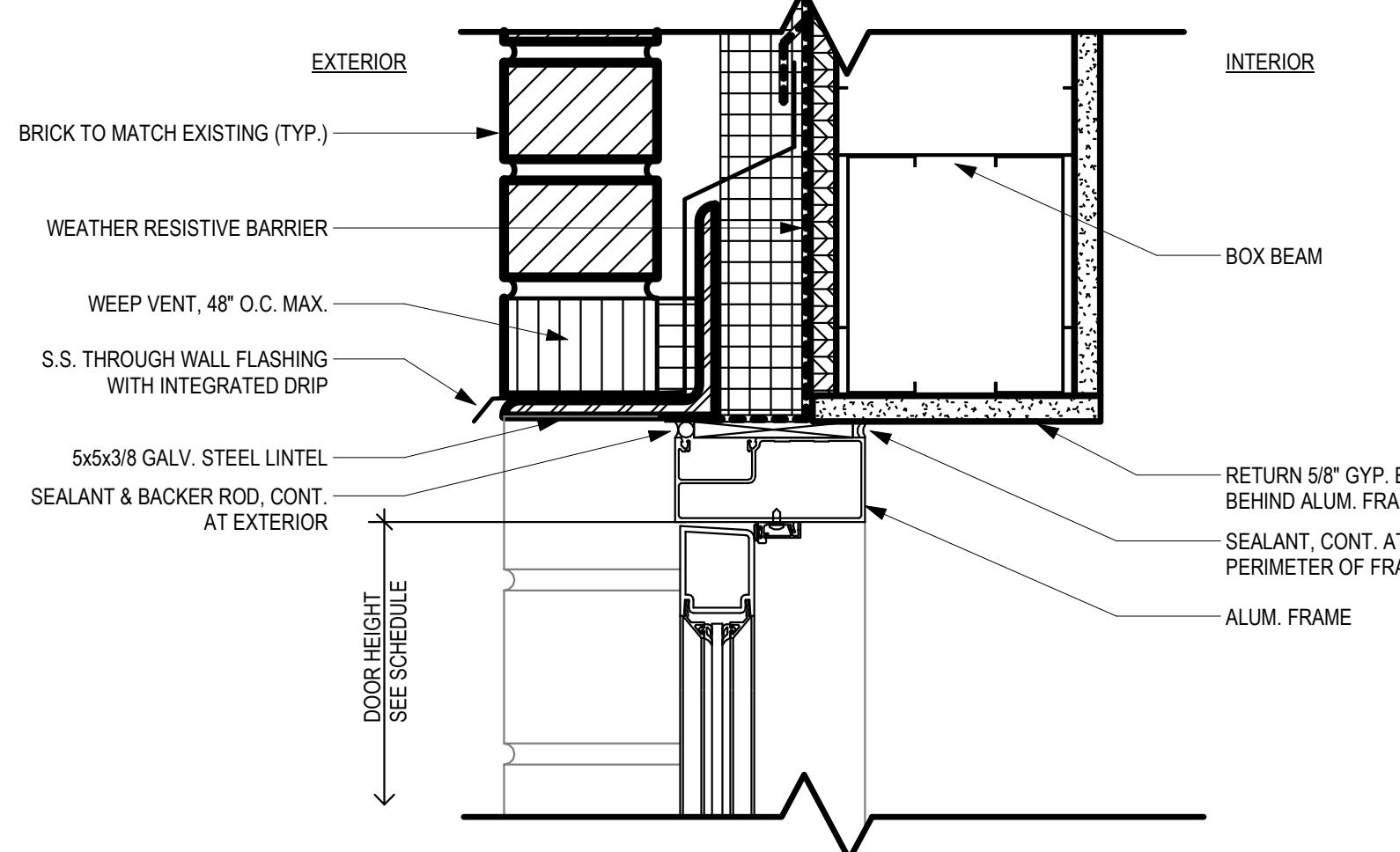
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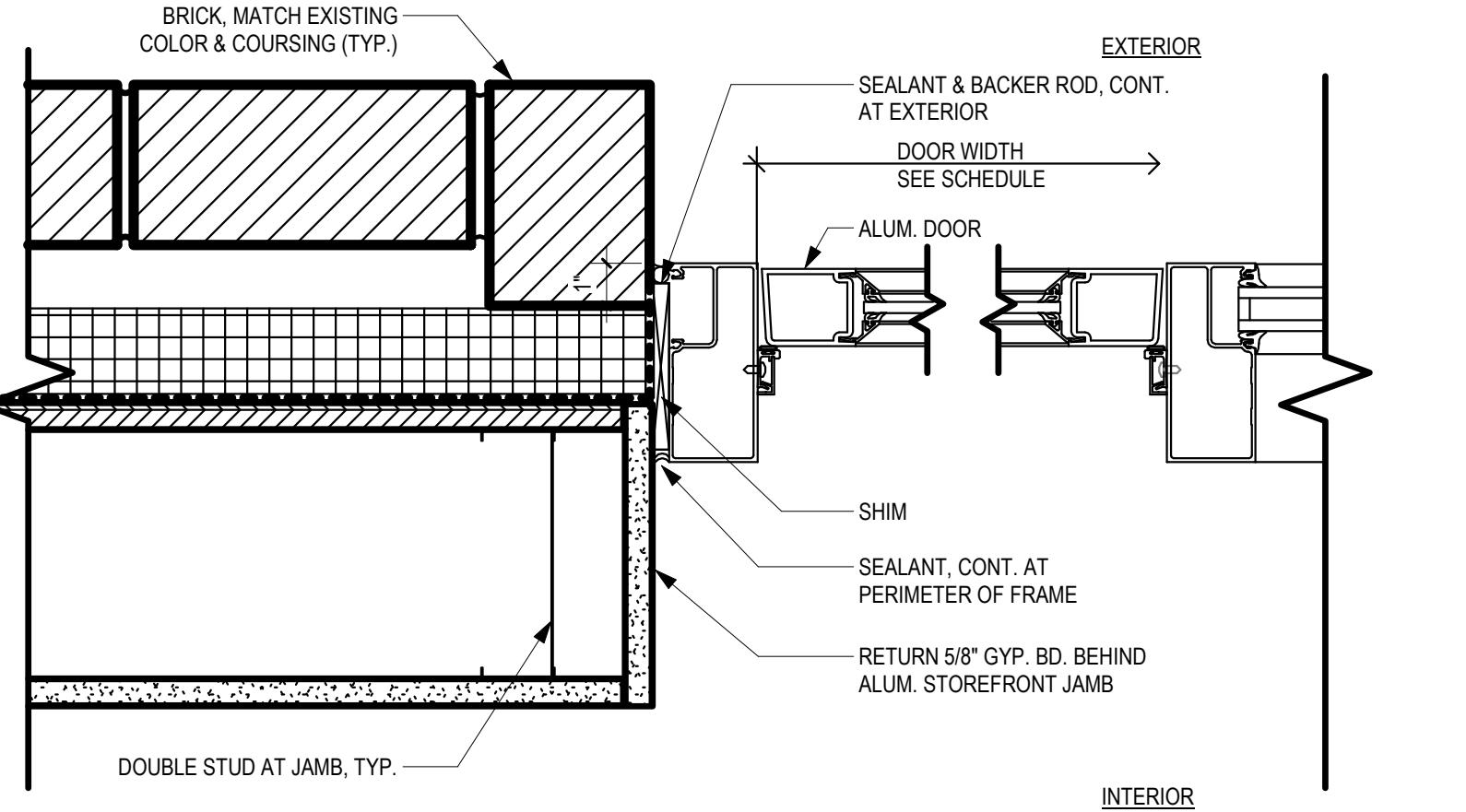
⑨ ROOF DETAIL

3" = 1'-0"



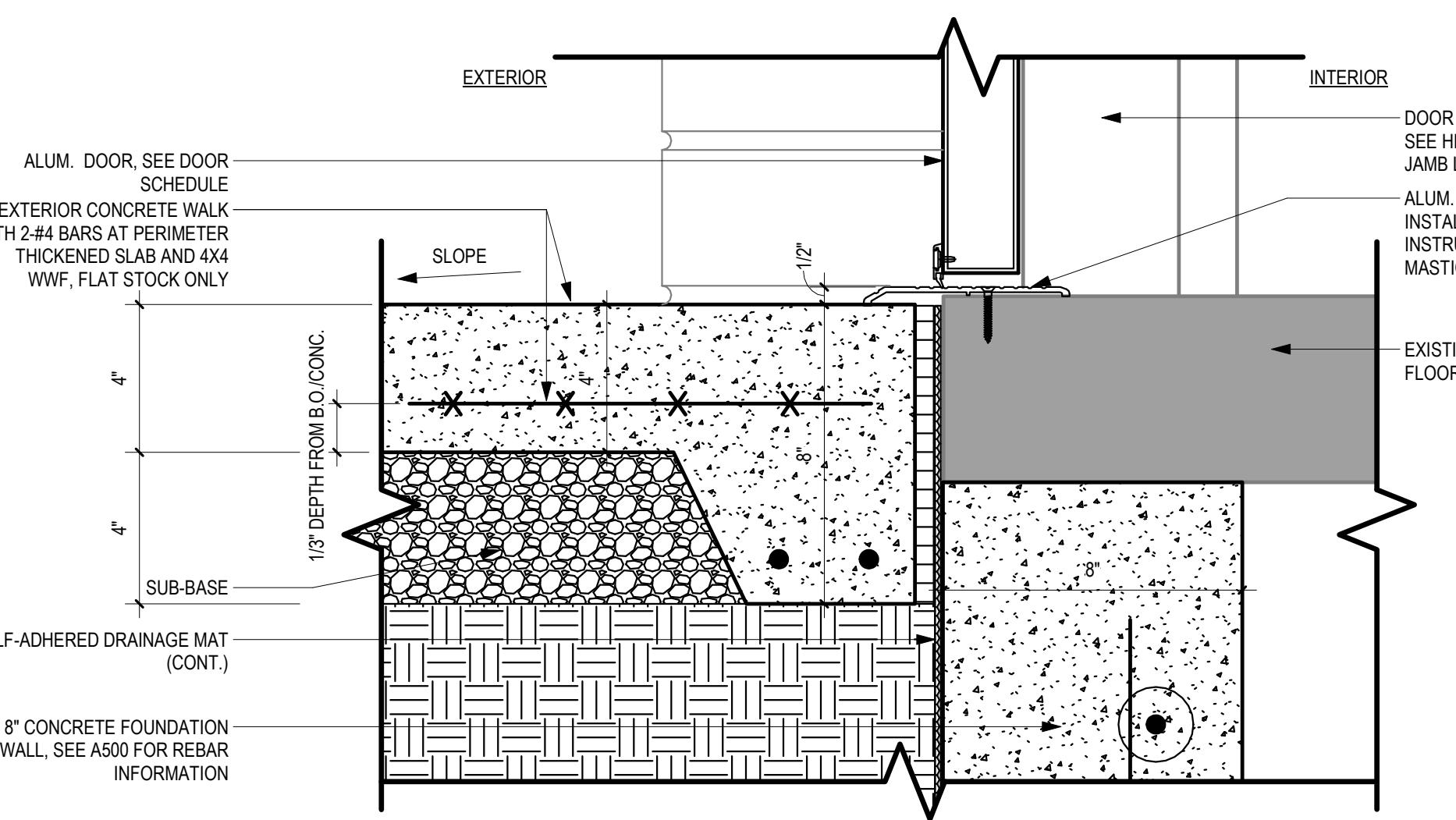
⑦ EXT HM DOOR HEAD AT STUD WALL

3" = 1'-0"



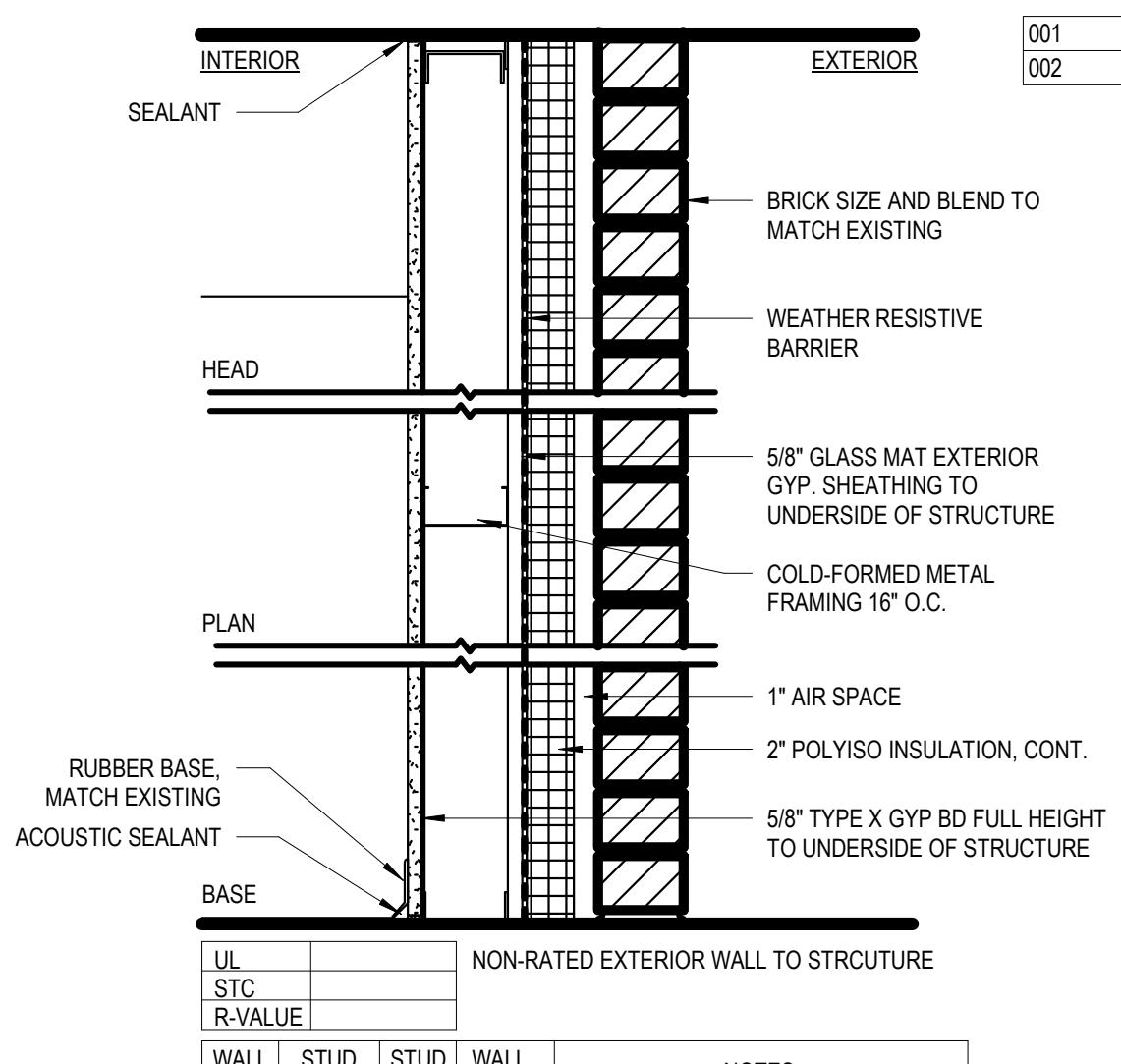
⑤ EXT HM DOOR JAMB AT STUD WALL

3" = 1'-0"



③ DOOR SILL AT STUD WALL (GROUND FLOOR)

3" = 1'-0"



EX1 EXTERIOR WALL

1 1/2" = 1'-0"

DOOR HEIGHT SEE SCHEDULE

DOOR SCHEDULE									
Door Number	Width	Height	Thickness	Type	Material	Finish	Frame Type	Material	Finish
001	3'-0"	7'-0"	1 3/4"	A	ALUM / GLASS	ALUM	2	ALUM	ALUM
002	7'-0"	7'-0"	1 3/4"	B	HM	PT	1	HM	PT

Head Jamb Hardware Set Fire Rating Comments

7 5 1.0 - SEE ELEVATION

4 2.0 -

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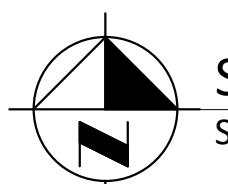
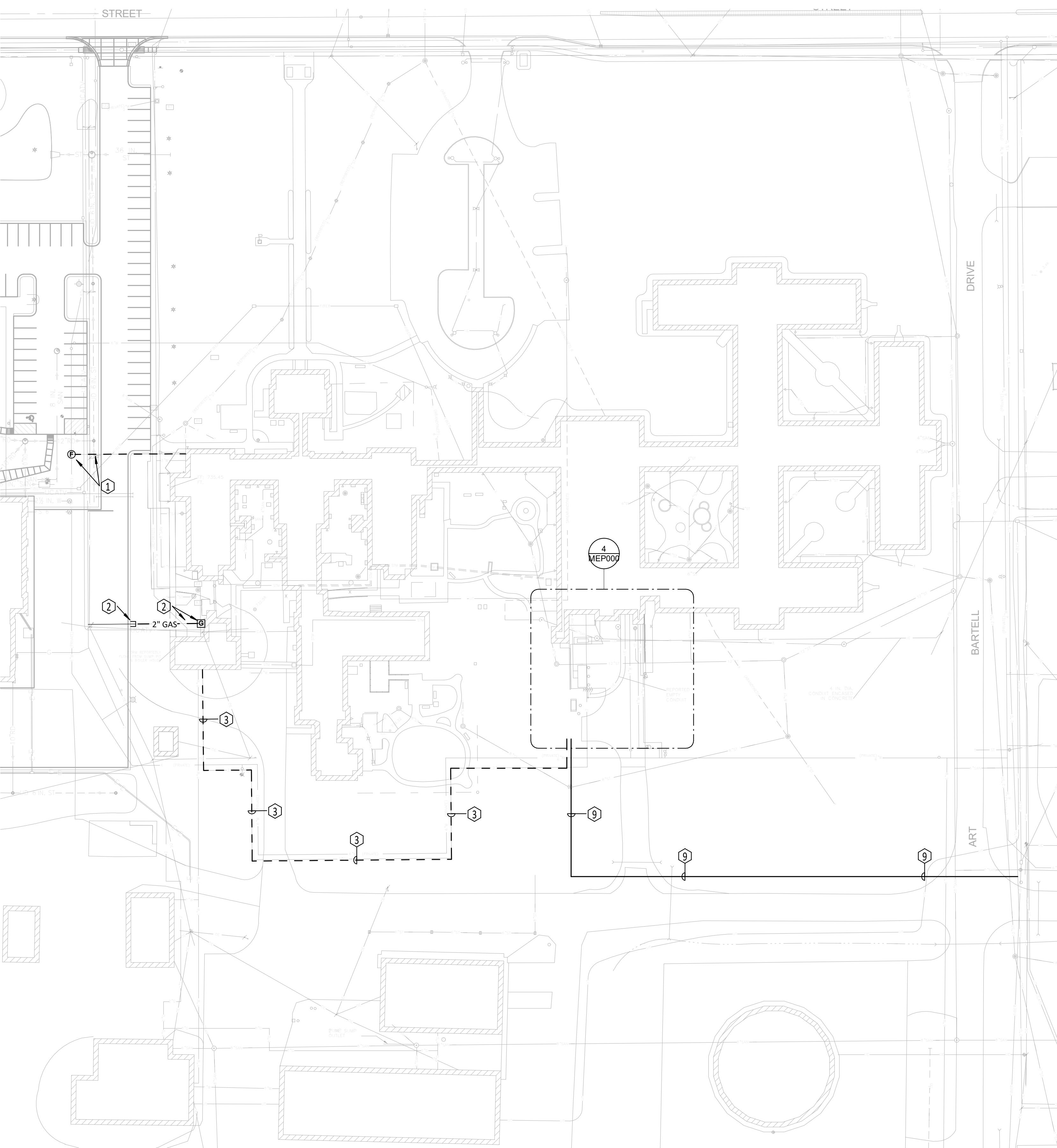
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MEP-FP SITE PLAN

Expiration Date of Seal: 11-30-2027	ITB No: 2026-002
BE Project No: 024002	
Drawn By: LEM	
Drawing No: MEP000	

ILLINOIS  
PROFESSIONAL  
ENGINEER  
OF

Lucas McMill



SITE PLAN

SCALE: 1" = 50'-0"

15' 30' 60' 120' 240'

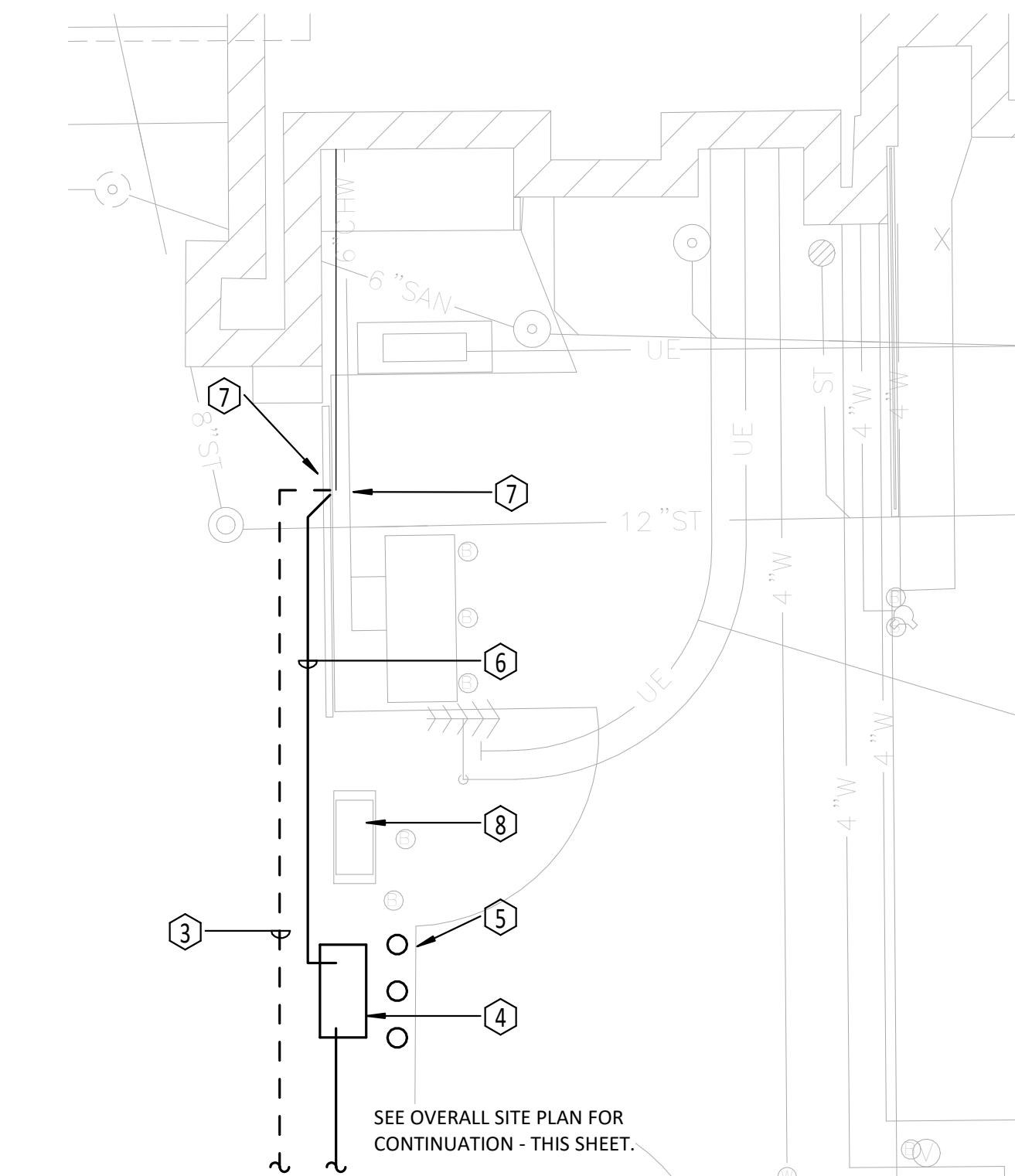
GENERAL NOTES - ELECTRICAL

1. CONTRACTOR TO ENSURE ALL UTILITIES ARE DEENERGIZED, DISCONNECT AND REMOVED FROM EXISTING NURSING HOME BUILDING PRIOR TO DEMOLITION. THIS INCLUDES POWER, WATER, SPRINKLER, FIRE ALARM AND BUILDING NETWORK (COPPER AND FIBER).

KEYED NOTES - ELECTRICAL

- ① DISCONNECT FIRE PROTECTION WATER SERVICE AND REMOVE PIPING AS SHOWN. REMOVE POST INDICATOR VALVE AND CAP AT MAIN. CUT AND PATCH PAVING AS REQUIRED.
- ② DISCONNECT CHAMPAIGN COUNTY-OWNED GAS LINE FROM AMEREN METER. AMEREN TO REMOVE METER AND REMOVE EXISTING GAS SERVICE BACK TO MAIN PAVING FOR FUTURE EXTENSION.
- ③ DISCONNECT AND REMOVE UNDERGROUND GAS LINE BETWEEN NURSING HOME BOILER BUILDING AND ILEAS BUILDING.
- ④ INSTALL NEW GAS METER PER AMEREN STANDARDS. AMEREN TO DESIGN AND PROVIDE GAS METER ASSEMBLY. CONTRACTOR TO INSTALL 5 FT. BY 10 FT. BY 6 INCH CONCRETE PAD FOR GAS METER.
- ⑤ INSTALL NEW STEEL BOLLARDS IN FRONT OF GAS METER AS SHOWN.
- ⑥ INSTALL NEW 2" UNDERGROUND GAS PIPING FROM NEW METER TO EXISTING 2" BUILDING LINE.
- ⑦ CONNECT NEW 2" GAS LINE TO EXISTING GAS LINE THAT SERVES ILEAS BUILDING AT THIS LOCATION.
- ⑧ EXISTING DIESEL GENERATOR - SHOWN FOR REFERENCE.
- ⑨ AMEREN TO INSTALL NEW HIGH-PRESSURE GAS SERVICE.

4 ENLARGED LOADING DOCK SITE PLAN  
MEP000 SCALE: 1/16" = 1'-0"





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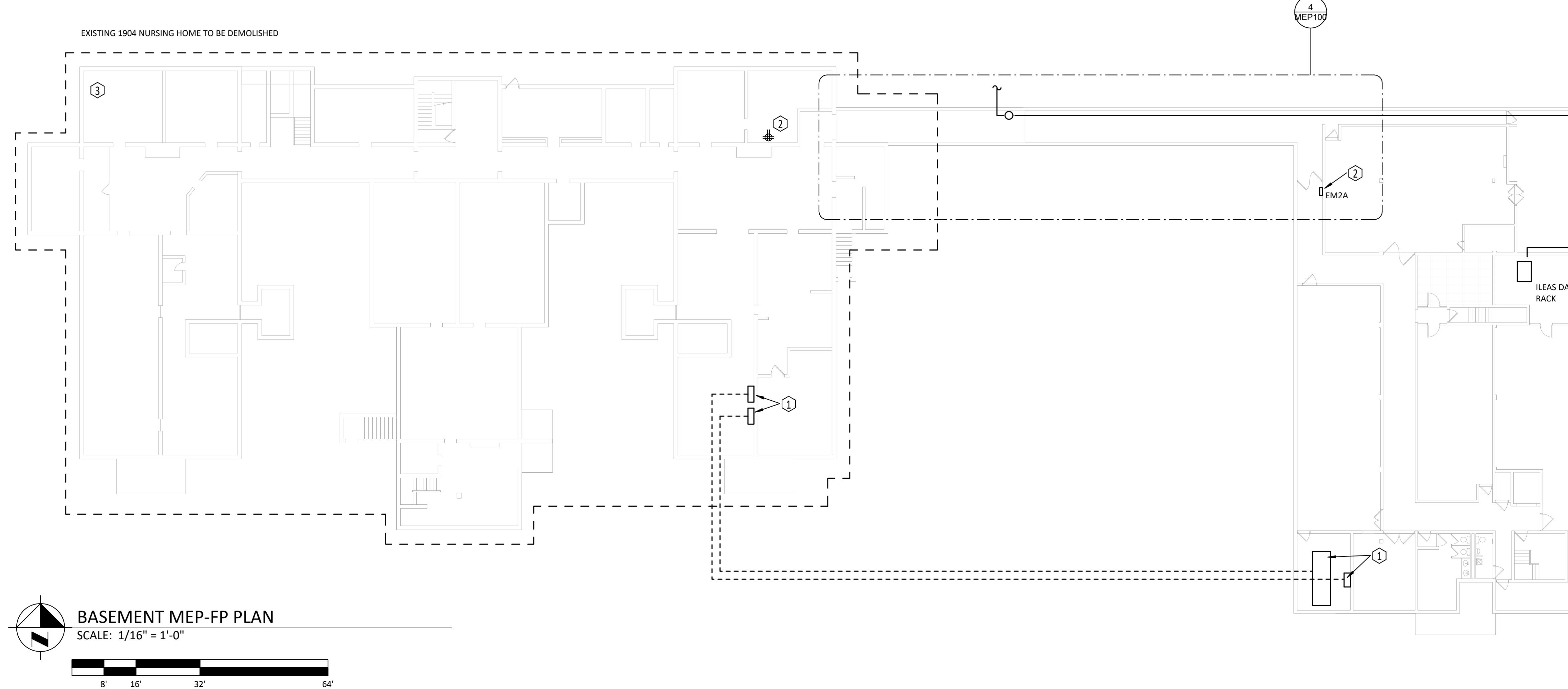
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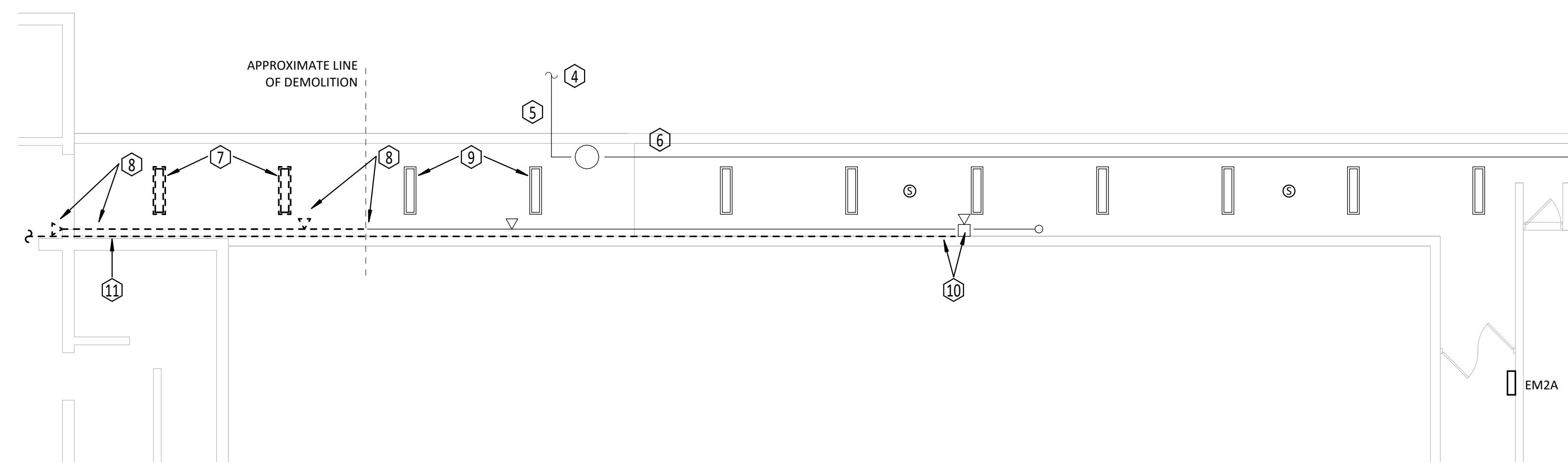


#### GENERAL NOTES - ELECTRICAL

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#### KEYED NOTES - ELECTRICAL

1. DISCONNECT 100A EMERGENCY FEED AND 400A NORMAL POWER FEED SERVING OLD NURSING HOME BUILDING MAIN PANELS AND REMOVE IN ITS ENTIRETY.
2. DISCONNECT CIRCUITS #2 AND #4 FROM PANEL 'EM2A' SERVING QUADPLEX RECEPTACLE IN OLD NURSING HOME BUILDING. REMOVE CONDUIT AND WIRING BACK TO PANEL.
3. DISCONNECT FIRE PROTECTION WATER SERVICE AND DEMOLISH BACK TO MAIN - SEE SITE PLAN FOR MORE INFORMATION.
4. INCOMING FIBER SERVICE TO REMAIN - SHOWN FOR REFERENCE. CONTRACTORS TO TAKE CARE NOT TO DAMAGE FIBER SERVICE DURING BUILDING DEMOLITION.
5. FIBER SPLICE BOX TO REMAIN - SHOWN FOR REFERENCE.
6. BUILDING FIBER FEED FROM SPLICE BOX TO ILEAS DATA ROOM - TO REMAIN. PORTIONS OF CORRIDOR SWITCHING IS OPERATIONAL AFTER DEMOLITION.
7. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES WITHIN DEMO PORTIONS OF CORRIDOR. ENSURE CORRIDOR SWITCHING IS OPERATIONAL AFTER DEMOLITION.
8. DISCONNECT AND REMOVE EXISTING SPRINKLER HEADS WITHIN DEMO PORTIONS OF CORRIDOR AND REMOVE PIPING BACK AS NECESSARY.
9. EXISTING LIGHT FIXTURES FED FROM NURSING HOME TO REMAIN - CONNECT TO SWITCHED CIRCUIT FED FROM ILEAS BUILDING TO CREATE A SINGLE, SWITCHED CORRIDOR.
10. FIRE ALARM CIRCUIT FROM FLOOR ABOVE TO WALL-MOUNTED NOTIFICATION DEVICE. CONTRACTOR TO SECURE NOTIFICATION DEVICE TO EXISTING ELECTRICAL BOX. CONTRACTOR TO DEMOLISH CONDUIT FROM BOX TO NURSING HOME BUILDING.
11. CONTRACTOR TO DEMOLISH FIRE ALARM CONDUIT TO NURSING HOME BUILDING.



4 ENLARGED BASEMENT CONNECTION CORRIDOR PLAN  
MEP100 SCALE: 1/8" = 1'-0"

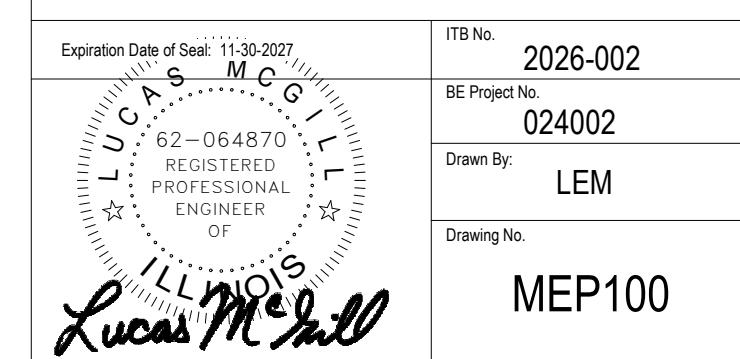
REVISION SCHEDULE	
DATE	DRAWING SET TITLE
2.9.2026	ISSUED FOR BID

CHAMPAIGN COUNTY -  
SELECT BUILDING  
DEMOLITION

1701 E Main St,  
Urbana, IL 61802

Drawing No.

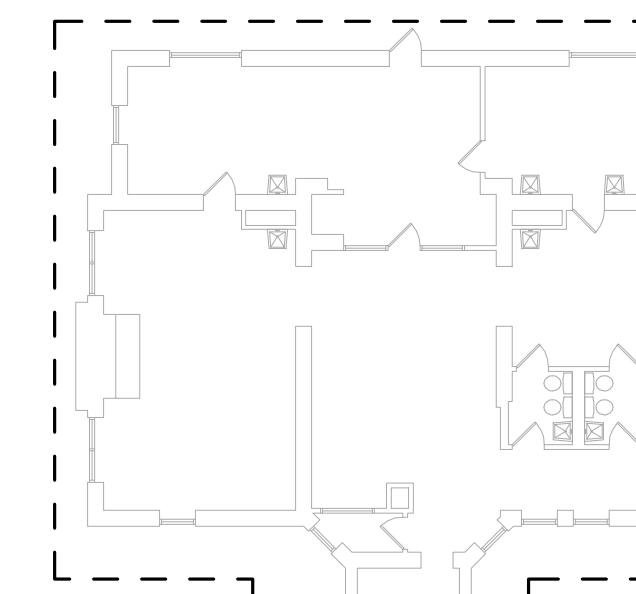
#### BASEMENT MEP-FP PLAN



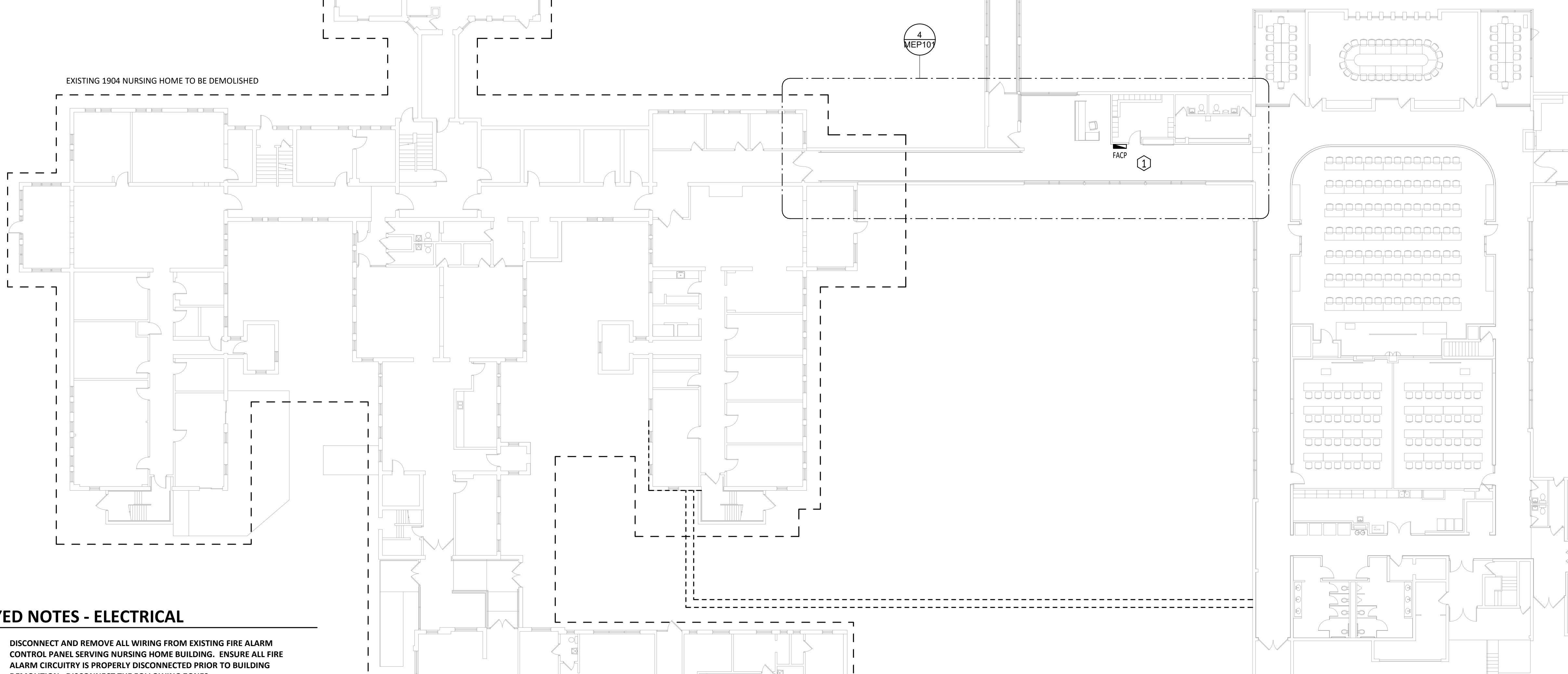
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BE Project No. 024002  
Drawn By LEM  
Drawing No. MEP100

## GENERAL NOTES - ELECTRICAL

1. CONTRACTOR TO ENSURE ALL UTILITIES ARE DEENERGIZED, DISCONNECT AND REMOVED FROM EXISTING NURSING HOME BUILDING PRIOR TO DEMOLITION. THIS INCLUDES POWER, WATER, SPRINKLER, FIRE ALARM AND BUILDING NETWORK (COPPER AND FIBER).



EXISTING 1904 NURSING HOME TO BE DEMOLISHED



## KEYED NOTES - ELECTRICAL

① DISCONNECT AND REMOVE ALL WIRING FROM EXISTING FIRE ALARM CONTROL PANEL SERVING NURSING HOME BUILDING. ENSURE ALL FIRE ALARM CIRCUITRY IS PROPERLY DISCONNECTED PRIOR TO BUILDING DEMOLITION. DISCONNECT THE FOLLOWING ZONES:

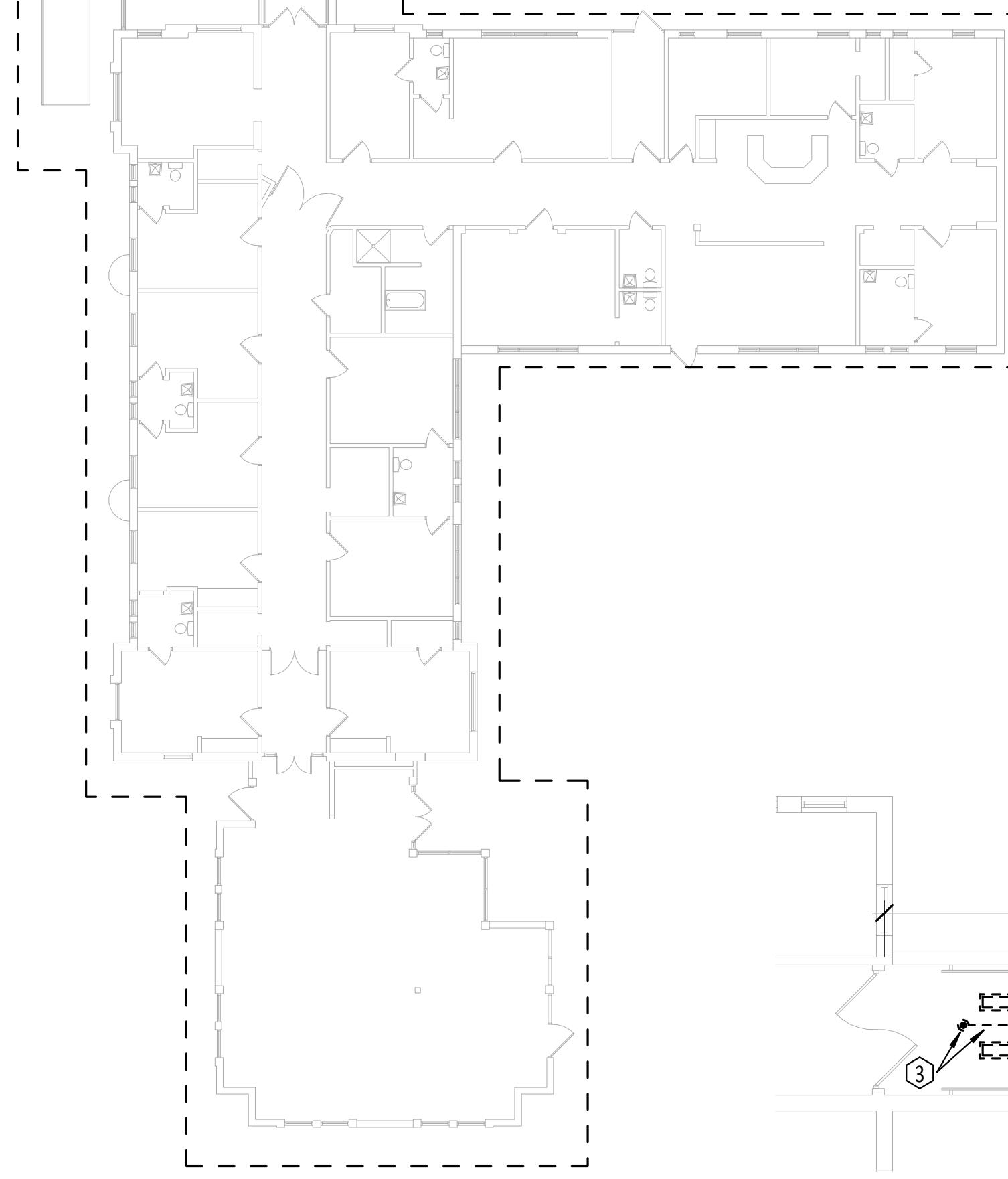
- ZONE #7: BASEMENT OLD
- ZONE #8: 1ST FLOOR OLD
- ZONE #9: 2ND FLOOR OLD
- ZONE #10: ANNEX
- ZONE #11: CHILD DAYCARE 1ST FLOOR
- ZONE #12: BOILER ROOM
- ZONE #13: ANNEX FLOW ALARM
- ZONE #16: MAIN FLOW ALARM OLD BUILDING
- ZONE #17: ADMIN BUILDING BASEMENT FLOOR
- ZONE #18: ADMIN BUILDING SECOND FLOOR

② DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES WITHIN DEMO PORTIONS OF CORRIDOR. ENSURE CORRIDOR SWITCHING IS OPERATIONAL AFTER DEMOLITION.

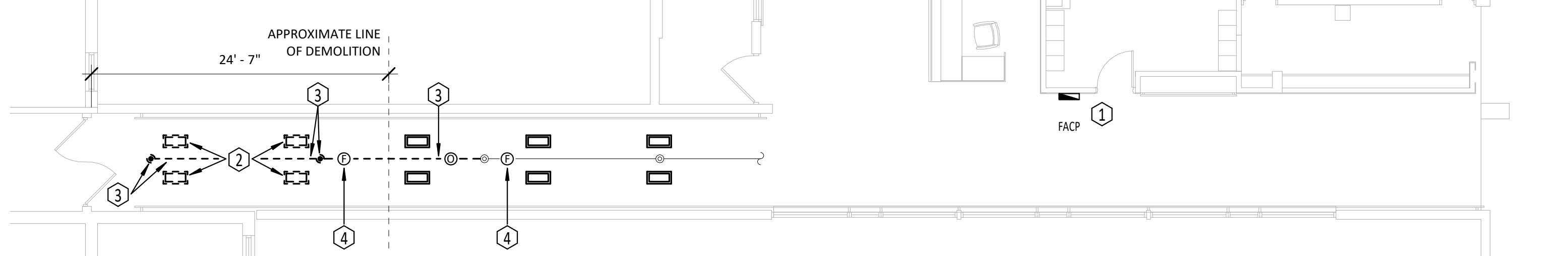
③ DISCONNECT AND REMOVE EXISTING SPRINKLER HEADS WITHIN DEMO PORTIONS OF CORRIDOR AND REMOVE PIPING BACK AS NECESSARY.

④ DISCONNECT EXISTING FIRE ALARM STROBE WITHIN DEMO PORTION OF CORRIDOR AND RELOCATE TO PORTION OF CORRIDOR TO REMAIN. MAKE ALL NECESSARY WIRING CONNECTIONS.

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



4 ENLARGED FIRST FLOOR CONNECTION CORRIDOR PLAN  
MEP101 SCALE: 1/8" = 1'-0"



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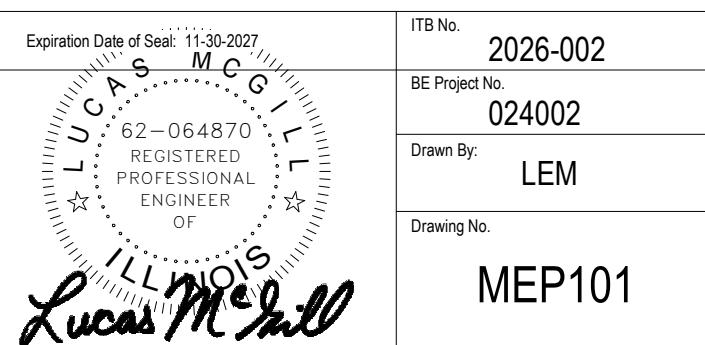
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## FIRST FLOOR MEP-FP PLAN



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ITB No: 2026-002

BE Project No: 024002

Drawn By: LEM

Drawing No:

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## ELECTRICAL DEMOLITION NOTES

1. DISCONNECT AND REMOVE ELECTRICAL ITEMS AND ASSOCIATED CONDUIT, WIRING, ETC AS SHOWN OR NOTED.
2. DISCONNECT AND REMOVE ALL DEVICES, CONDUIT, WIRING, ETC ASSOCIATED WITH LIGHTING AND POWER SYSTEMS BEING REMOVED.
3. DISCONNECT AND REMOVE ALL DEVICES, CONDUIT, WIRING, ETC ASSOCIATED WITH MECHANICAL EQUIPMENT BEING REMOVED.
4. DISCONNECT AND REMOVE ALL DEVICES, CONDUIT, WIRING, ETC IN OR ON THE WALLS, CEILING, ETC TO BE REMOVED. VERIFY ALL OCCURRENCES NOT SPECIFICALLY SHOWN OR NOTED ON PLANS.
5. BE RESPONSIBLE FOR CONTINUITY OF ALL EXISTING POWER AND LIGHTING CIRCUITS AND SYSTEMS OF ALL REMAINING DEVICES AND SYSTEMS WHICH MAY BE AFFECTED BY REMODELING.
6. FOR EACH ITEM DISCONNECTED AND REMOVED, DISCONNECT AND REMOVE DEFUNCT CIRCUIT WIRING BACK TO NEXT ACTIVE REMAINING DEVICE OR TO PANEL OR SWITCHBOARD FROM WHICH THE CIRCUIT ORIGINATES.
7. FOR EACH ITEM DISCONNECTED AND REMOVED, DISCONNECT AND REMOVE ABANDONED, EXPOSED CONDUITS, AND/OR CONDUITS MADE EXPOSED BY DEMOLITION, BACK TO NEXT ACTIVE REMAINING DEVICE OR TO PANEL OR SWITCHBOARD FROM WHICH THE CIRCUIT ORIGINATES.
8. EXCEPT WHERE OTHERWISE NOTED, ALL REMOVED ELECTRICAL EQUIPMENT, DEVICES, CONDUIT, CONDUCTORS, FIXTURES, AND ASSOCIATED ITEMS SHALL BECOME THE PROPERTY OF THE ELECTRICAL CONTRACTOR AND SHALL BE DISPOSED OF BY HIM.
9. CO-ORDINATE DISCONNECTION AND REMOVAL OF EXISTING DOOR ACCESS AND SECURITY DEVICES WITH THE GENERAL TRADE. REMOVE AND STORE ELECTRICAL DOOR DEVICES SUCH AS CARD READERS, POWER SUPPLIES, POSITION SWITCHES, SENSORS ETC, FOR REUSE AS SHOWN ON NEW WORK PLANS.

### COORDINATION

- A. THE UTILITY COMPANY WILL FURNISH AND INSTALL A GAS SERVICE COMPLETE WITH REGULATOR AND METER AS SHOWN ON DRAWINGS. UTILITY COMPANY'S REGULATOR WILL REGULATE FROM UTILITY PRESSURE DOWN TO 7 INCHES WC. UTILITY COMPANY SHALL PROVIDE, IN WRITING, CERTIFICATION OF GAS PRESSURE BEFORE FIRING ANY APPLIANCES.
- B. WHERE SYSTEMS ARE 1 PSI OR GREATER, PROVIDE ROCKWELL OR MAXITROL OVER PRESSURE PROTECTION RELIEF VALVES.
- C. OWNER WILL PAY ALL CHARGES ACCESSED BY UTILITY COMPANY FOR GAS SERVICE AND METER INSTALLATION.
- D. CONNECT TO THE GAS SERVICE AT METER OUTLET AND FURNISH AND INSTALL ALL PIPE AND FITTINGS TO ALL GAS USERS.
- E. COORDINATE SIZES AND LOCATIONS OF CONCRETE BASES WITH ACTUAL EQUIPMENT PROVIDED.
- F. PROVIDE CONCRETE METER PAD IF REQUIRED BY UTILITY COMPANY.

### PIPES, TUBES, AND FITTINGS

- A. STEEL PIPE: ASTM A 53/A 53M, BLACK STEEL, SCHEDULE 40, TYPE E OR S, GRADE B.
  1. MALLEABLE IRON THREADED FITTINGS: ASME B16.3, CLASS 150, STANDARD PATTERN.
  2. WROUGHT-STEEL WELDED FITTINGS: ASTM A 234/A 234M FOR BUTT WELDING AND SOCKET WELDING.
  3. UNIONS: ASME B16.39, CLASS 150, MALLEABLE IRON WITH BRASS-TO-IRON SEAT, GROUND JOINT, AND THREADED ENDS.
  4. FORGED-STEEL FLANGES AND FLANGED FITTINGS: ASME B16.5, MINIMUM CLASS 150, INCLUDING BOLTS, NUTS, AND GASKETS OF THE FOLLOWING MATERIAL GROUP, END CONNECTIONS, AND FACINGS:
    - a. MATERIAL GROUP: 1.1.
    - b. END CONNECTIONS: THREADED OR BUTT WELDING TO MATCH PIPE.
    - c. LAPPED FACE: NOT PERMITTED UNDERGROUND.
    - d. GASKET MATERIALS: ASME B16.20, METALLIC, FLAT, ASBESTOS FREE, ALUMINUM O-RINGS, AND SPIRAL-WOUND METAL GASKETS.
    - e. BOLTS AND NUTS: ASME B18.2.1, CARBON STEEL ABOVEGROUND AND STAINLESS STEEL UNDERGROUND.

### PIPING SPECIALTIES

- A. Y-PATTERN STRAINERS:
  1. BODY: ASTM A 126, CLASS B, CAST IRON WITH BOLTED COVER AND BOTTOM DRAIN CONNECTION.
  2. END CONNECTIONS: THREADED ENDS FOR NPS 2 AND SMALLER; FLANGED ENDS FOR NPS 2-1/2 AND LARGER.
  3. STRAINER SCREEN: 40-MESH STARTUP STRAINER, AND PERFORATED STAINLESS-STEEL BASKET WITH 50 PERCENT FREE AREA.
  4. CWP RATING: 125 PSIG.
- B. WEATHERPROOF VENT CAP: CAST- OR MALLEABLE-IRON INCREASER FITTING WITH CORROSION-RESISTANT WIRE SCREEN, WITH FREE AREA AT LEAST EQUAL TO CROSS-SECTIONAL AREA OF CONNECTING PIPE AND THREADED-END CONNECTION.

### JOINING MATERIALS

- A. JOINT COMPOUND AND TAPE: SUITABLE FOR NATURAL GAS.

### MANUAL GAS SHUTOFF VALVES

- A. GENERAL REQUIREMENTS FOR METALLIC VALVES, NPS 2 AND SMALLER: COMPLY WITH ASME B16.33.
  1. CWP RATING: 125 PSIG.
  2. THREADED ENDS: COMPLY WITH ASME B1.20.1.
  3. DRYSEAL THREADS ON FLARE ENDS: COMPLY WITH ASME B1.20.3.
  4. TAMPERPROOF FEATURE: LOCKING FEATURE FOR VALVES INDICATED IN "UNDERGROUND MANUAL GAS SHUTOFF VALVE SCHEDULE" AND "ABOVEGROUND MANUAL GAS SHUTOFF VALVE SCHEDULE" ARTICLES.
  5. LISTING: LISTED AND LABELED BY AN NRTL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION FOR VALVES 1 INCH AND SMALLER.
  6. SERVICE MARK: VALVES 1-1/4 INCHES TO NPS 2 SHALL HAVE INITIALS "WOG" PERMANENTLY MARKED ON VALVE BODY.
- B. TWO-PIECE, FULL-PORT, BRONZE BALL VALVES WITH BRONZE TRIM: MSS SP-110.
  1. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
    - a. BRASSCRAFT MANUFACTURING COMPANY; A MASCO COMPANY.
    - b. CONBRACO INDUSTRIES, INC.; APOLLO DIV.
    - c. LYALL, R. W. & COMPANY, INC.
    - d. MCDONALD, A. Y. MFG. CO.
    - e. PERFECTION CORPORATION; A SUBSIDIARY OF AMERICAN METER COMPANY.
  2. BODY: BRONZE, COMPLYING WITH ASTM B 584.
  3. BALL: CHROME-PLATED BRONZE.
  4. STEM: BRONZE, BLOWOUT PROOF.
  5. SEATS: REINFORCED TFE BLOWOUT PROOF.
  6. PACKING: THREADED-BODY PACKNUT DESIGN WITH ADJUSTABLE-STEM PACKING.
  7. ENDS: THREADED, FLARED, OR SOCKET AS INDICATED IN "UNDERGROUND MANUAL GAS SHUTOFF VALVE SCHEDULE" AND "ABOVEGROUND MANUAL GAS SHUTOFF VALVE SCHEDULE" ARTICLES.
  8. CWP RATING: 600 PSIG.
  9. LISTING: VALVES NPS 1 AND SMALLER SHALL BE LISTED AND LABELED BY AN NRTL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
  10. SERVICE: SUITABLE FOR NATURAL-GAS SERVICE WITH "WOG" INDICATED ON VALVE BODY.

### EXAMINATION

- A. EXAMINE ROUGHING-IN FOR NATURAL-GAS PIPING SYSTEM TO VERIFY ACTUAL LOCATIONS OF PIPING CONNECTIONS BEFORE EQUIPMENT INSTALLATION.
- B. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

### PREPARATION

- A. CLOSE EQUIPMENT SHUTOFF VALVES BEFORE TURNING OFF NATURAL GAS TO PREMISES OR PIPING SECTION.
- B. INSPECT NATURAL-GAS PIPING ACCORDING TO NFPA 54 TO DETERMINE THAT NATURAL-GAS UTILIZATION DEVICES ARE TURNED OFF IN PIPING SECTION AFFECTED.
- C. COMPLY WITH NFPA 54 REQUIREMENTS FOR PREVENTION OF ACCIDENTAL IGNITION.

### OUTDOOR PIPING INSTALLATION

- A. CONFIRM ALL GAS PIPING ROUGH-IN DIMENSIONS FOR ALL EQUIPMENT WITH THE SUBMITTALS OF THE EQUIPMENT MANUFACTURER BEFORE INSTALLING SERVICE.
- B. INSTALL ALL GAS PIPING IN ACCORDANCE WITH LATEST EDITION OF NFPA CODES 54, 58 AND 90A, INCLUDING AMENDMENTS THERETO.
- C. PROVIDE A MAIN GAS SHUT-OFF LUBRICATED SERVICE COCK WITH LOCK WING AND LOCK WING SEALING DEVICE AT THE BUILDING ENTRANCE AND AT METER.
- D. EXTERIOR OR UNDERGROUND GAS PIPING SHALL BE DOUBLE-ASPHALT WRAPPED OR PRE-COATED PIPING AS APPROVED. DEPTH OF BURY SHALL BE 36" MINIMUM.
- E. COMPLY WITH NFPA 54 FOR INSTALLATION AND PURGING OF NATURAL-GAS PIPING.
- F. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS.
- G. INSTALL PRESSURE GAGE DOWNTREAM FROM EACH SERVICE REGULATOR.
- H. INSTALL MANUAL SHUT OFF BEFORE EACH REGULATOR.

### VALVE INSTALLATION

- A. INSTALL MANUAL GAS SHUTOFF VALVE FOR EACH GAS APPLIANCE AHEAD OF CORRUGATED STAINLESS-STEEL TUBING, ALUMINUM, OR COPPER CONNECTOR.
- B. INSTALL REGULATORS AND OVERPRESSURE PROTECTION DEVICES WITH MAINTENANCE ACCESS SPACE ADEQUATE FOR SERVICING AND TESTING.
- C. INSTALL MANUAL GAS SHUTOFF BEFORE ELECTRONIC SOLENOID VALVES AND REGULATORS.

### PIPING JOINT CONSTRUCTION

- A. REAM ENDS OF PIPES AND TUBES AND REMOVE BURRS.
- B. REMOVE SCALE, SLAG, DIRT, AND DEBRIS FROM INSIDE AND OUTSIDE OF PIPE AND FITTINGS BEFORE ASSEMBLY.
- C. THREADED JOINTS:
  1. THREAD PIPE WITH TAPERED PIPE THREADS COMPLYING WITH ASME B1.20.1.
  2. CUT THREADS FULL AND CLEAN USING SHARP Dies.
  3. REAM THREADED PIPE ENDS TO REMOVE BURRS AND RESTORE FULL INSIDE DIAMETER OF PIPE.
  4. APPLY APPROPRIATE TAPE OR THREAD COMPOUND TO EXTERNAL PIPE THREADS UNLESS DRYSEAL THREADING IS SPECIFIED.
  5. DAMAGED THREADS: DO NOT USE PIPE OR PIPE FITTINGS WITH THREADS THAT ARE CORRODED OR DAMAGED. DO NOT USE PIPE SECTIONS THAT HAVE CRACKED OR OPEN WELDS.

### CONNECTIONS

- A. INSTALL PIPING ADJACENT TO APPLIANCES TO ALLOW SERVICE AND MAINTENANCE OF APPLIANCES.
- B. CONNECT PIPING TO APPLIANCES USING MANUAL GAS SHUTOFF VALVES AND UNIONS. INSTALL VALVE WITHIN 72 INCHES OF EACH GAS-FIRED APPLIANCE AND EQUIPMENT. INSTALL UNION BETWEEN VALVE AND APPLIANCES OR EQUIPMENT.
- C. SEDIMENT TRAPS: INSTALL TEE FITTING WITH CAPPED NIPPLE IN BOTTOM TO FORM DRIP, AS CLOSE AS PRACTICAL TO INLET OF EACH APPLIANCE.

### LABELING AND IDENTIFYING

- A. INSTALL DETECTABLE WARNING TAPE DIRECTLY ABOVE GAS PIPING, 12 INCHES BELOW FINISHED GRADE, EXCEPT 6 INCHES BELOW SUBGRADE UNDER PAVEMENTS AND SLABS.

### PAINTING

- A. PAINT EXPOSED, EXTERIOR METAL PIPING, VALVES, SERVICE REGULATORS, SERVICE METERS AND METER BARS, EARTHQUAKE VALVES, AND PIPING SPECIALTIES, EXCEPT COMPONENTS, WITH FACTORY-APPLIED PAINT OR PROTECTIVE COATING.
  1. ALKYD SYSTEM: MPI EXT 5.1D.
    - a. PRIME COAT: ALKYD ANTI CORROSION METAL PRIMER.
    - b. INTERMEDIATE COAT: EXTERIOR ALKYD ENAMEL MATCHING TOPCOAT.
    - c. TOPCOAT: EXTERIOR ALKYD ENAMEL (FLAT).
    - d. COLOR: GRAY FOR VERTICAL EXPOSED PIPING
    - e. COLOR YELLOW FOR HORIZONTAL PIPING ON ROOF.
  2. LATEX OVER ALKYD PRIMER SYSTEM: MPI INT 5.1Q.
    - a. PRIME COAT: ALKYD ANTI CORROSION METAL PRIMER.
- B. DAMAGE AND TOUCHUP: REPAIR MARRED AND DAMAGED FACTORY-APPLIED FINISHES WITH MATERIALS AND BY PROCEDURES TO MATCH ORIGINAL FACTORY FINISH.

### OUTDOOR PIPING SCHEDULE

- A. ABOVEGROUND NATURAL-GAS PIPING SHALL BE ONE OF THE FOLLOWING:
  1. NPS 2 AND SMALLER; STEEL PIPE WITH MALLEABLE-IRON FITTINGS AND THREADED JOINTS.

### MANUAL GAS SHUTOFF VALVE SCHEDULE

- A. DISTRIBUTION PIPING VALVES FOR PIPE SIZES NPS 2 AND SMALLER SHALL BE ONE OF THE FOLLOWING:
  - a. TWO-PIECE, FULL-PORT, BRONZE BALL VALVES WITH BRONZE TRIM.
  - b. BRONZE PLUG VALVE.

## REVISION SCHEDULE

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## SPECIFICATIONS

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Lucas McMill