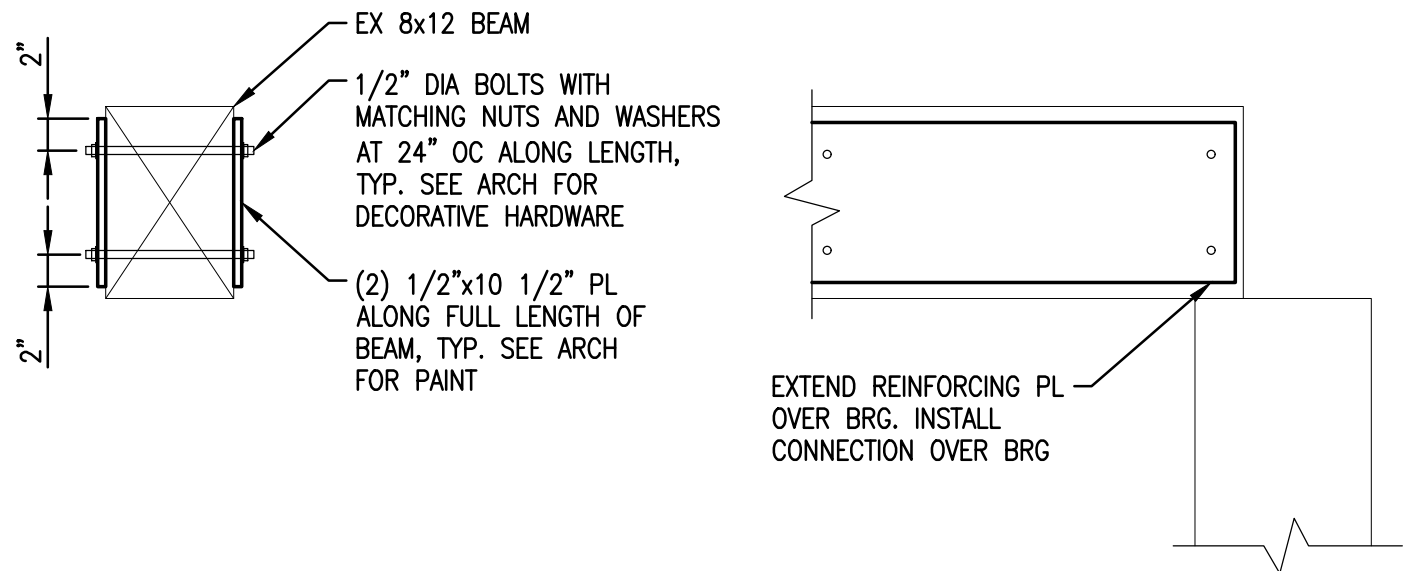
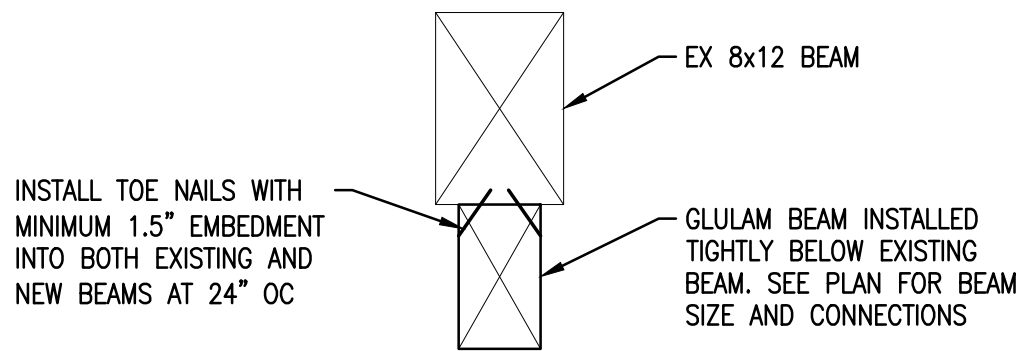


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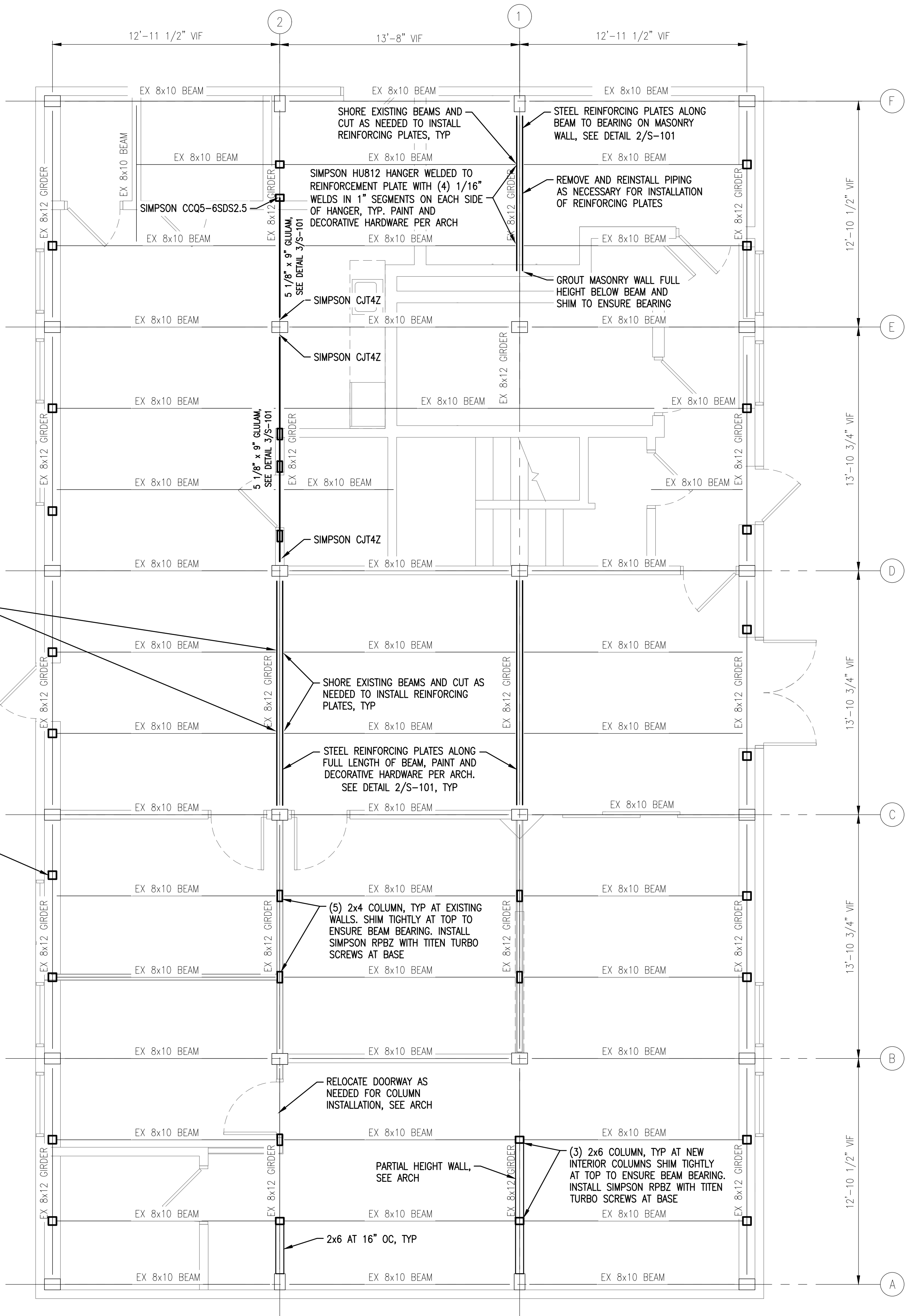
2 BEAM REINFORCEMENT
1" = 1'-0"



3 BEAM SUPPORT
1" = 1'-0"

SIMPSON HUB10 HANGER WELDED TO REINFORCEMENT PLATE WITH (4) 1/16" WELDS IN 1" SEGMENTS ON EACH SIDE OF HANGER, TYP. PAINT AND DECORATIVE HARDWARE PER ARCH

6x6 COL, TYP AT EXTERIOR WALLS. SHIM TIGHTLY AT TOP TO ENSURE BEAM BEARING. INSTALL SIMPSON RPBZ WITH TITEN TURBO SCREWS AT BASE



1 SECOND FLOOR FRAMING PLAN
1/4" = 1'-0"

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ABBREVIATIONS

SEE LEGENDS ON A-002 FOR ACCESSORY ABBREVIATIONS

A	
&	AND
@	AT
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
B	
BOT	BOTTOM
BRK	BRICK
BSMT	BASEMENT

C	
CJ	CONTROL JOINT
CL	CENTER LINE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE

D	
DN	DOWN
DS	DOWNSPOUT

E	
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EQ	EQUAL
EXST	EXISTING

F	
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FHC	FIRE HOSE CABINET
FO	FACE OF
FRTW	FIRE RETARDANT TREATED WOOD
FSP	FIRE STANDPIPE
FT	FOOT / FEET
FTG	FOOTING

G	
GB	GYPSUM BOARD
GYP	GYPSUM

H	
HD	HEAD
HDW	HARDWARE
HVAC	HEATING-VENTILATING-AIRCONDITIONING
HW	HOT WATER

ABBREVIATIONS

SEE LEGENDS ON A-002 FOR ACCESSORY ABBREVIATIONS

I	
IN	INCH / INCHES
L	
LB	POUND
LDG	LANDING LEVEL
M	
MAX	MAXIMUM
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING

N	
NA	NOT APPLICABLE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
No.	NUMBER
NTS	NOT TO SCALE

O	
OC	ON CENTER
OPP	OPPOSITE
OPP HND	OPPOSITE HAND

P	
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH

Q	
QTY	QUANTITY

R	
R	RISER
RD	ROOF DRAIN
RO	ROUGH OPENING

S	
SAB	SOUND ATTENUATION BLANKET INSULATION
SD	SMOKE DETECTOR
SF	SQUARE FOOT
SIM	SIMILAR
SQ IN	SQUARE INCH

T	
T	TREAD
T&B	TOP & BOTTOM
TYP	TYPICAL

U	
UNO	UNLESS NOTED OTHERWISE

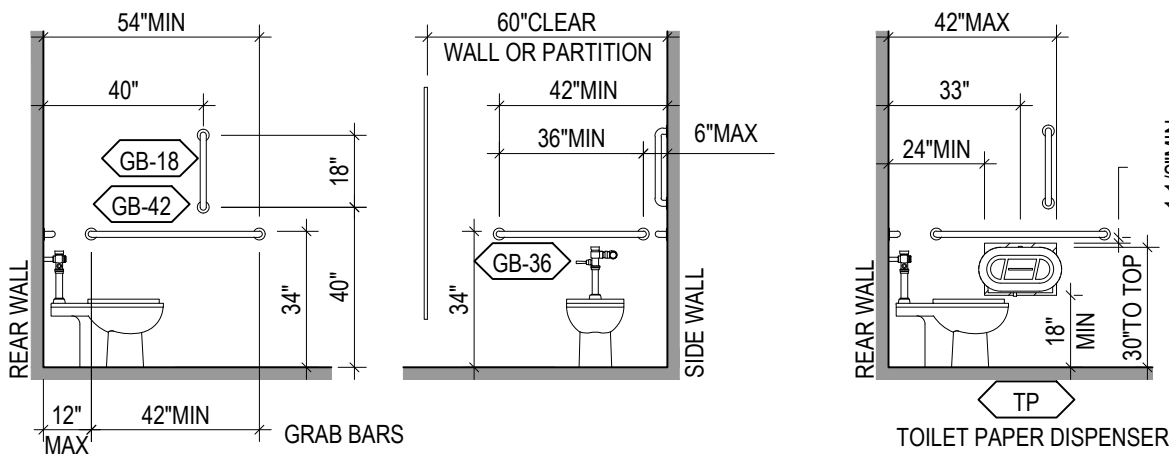
V	
VIF	VERIFY IN FIELD
W	
W	WITH
W/O	WITHOUT
WWF	WELDED WIRE FABRIC

MOUNTING LOCATIONS LEGEND

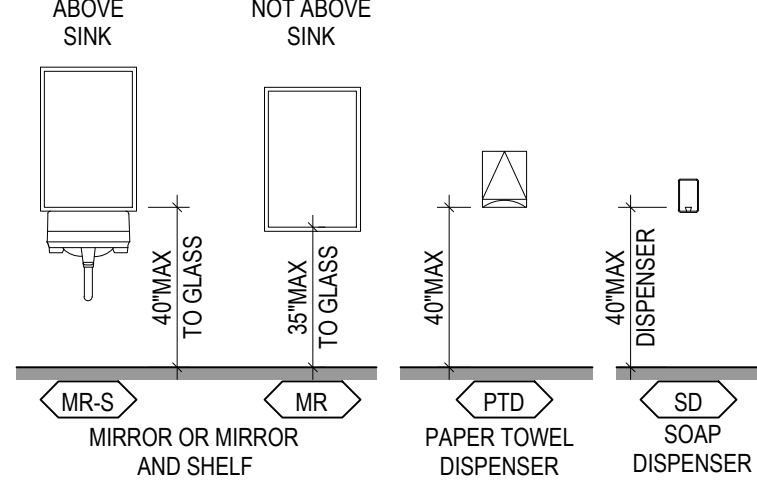
GENERAL NOTES:

- COMPLY WITH THE STATE BUILDING CODE, ICC A117.1-2017, AND THE AMERICANS WITH DISABILITIES ACT.
- PROVIDE BLOCKING BEHIND TOILET ACCESSORIES FOR SECURE MOUNTING TO WITHSTAND 250# VERTICAL AND HORIZONTAL FORCE.
- EXPOSED WATER SUPPLY AND DRAINAGE PIPES BELOW LAVATORIES OR SINKS MUST BE INSULATED OR OTHERWISE POSITIONED TO PROTECT AGAINST CONTACT. THERE MUST BE NO SHARP OR ABRASIVE SURFACES BELOW LAVATORY.

TOILET COMPARTMENT ACCESSORIES



RESTROOM ACCESSORIES



MATERIAL SYMBOL LEGEND

	CONCRETE		STEEL		RIGID INSULATION		4x4 TILE
	CONCRETE MASONRY UNITS		WOOD		MINERAL WOOL INSULATION		8x8 TILE
	FACE BRICK		ROUGH WOOD		WOOD BOARD SIDING NARROW		12x12 TILE
	NATURAL STONE		SHIM		WOOD BOARD SIDING WIDE		EARTH / COMPACT FILL
	CAST STONE		PLYWOOD		ACOUSTICAL TILE		POROUS FILL
	ALUMINUM		BATT INSULATION		GYPSUM WALL BOARD		

GENERAL NOTES

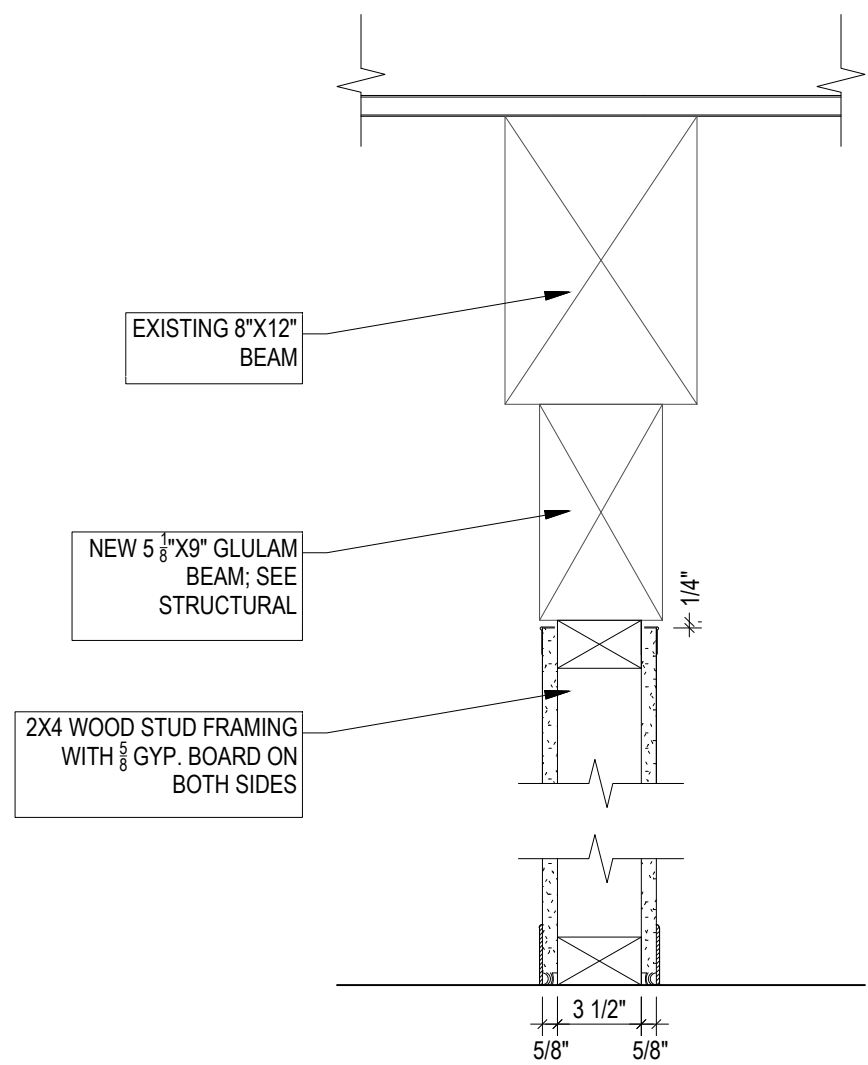
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING.
- DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OWNER TO MINIMIZE DISRUPTION TO BUILDING OPERATIONS.
- PROTECT ALL EXISTING CONSTRUCTION, FINISHES, FURNISHINGS, AND EQUIPMENT TO REMAIN FROM DAMAGE DURING CONSTRUCTION.
- REPAIR OR REPLACE ANY EXISTING CONSTRUCTION DAMAGED DURING CONSTRUCTION TO MATCH EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- PATCH ALL SURFACES AFFECTED BY DEMOLITION OR NEW WORK TO MATCH ADJACENT EXISTING FINISHES.
- ALL NEW GYPSUM BOARD SHALL BE TAPED, FINISHED, PRIMED, AND PAINTED. REFER TO THE FINISH SCHEDULE FOR MATERIALS AND COLORS.
- INSTALL NEW BASE WHERE INDICATED. MATCH ADJACENT BASE MATERIAL, HEIGHT, AND FINISH UNLESS OTHERWISE NOTED.
- SALVAGE ITEMS IDENTIFIED FOR REINSTALLATION AND PROTECT THEM FROM DAMAGE DURING CONSTRUCTION.
- COORDINATE ALL REQUIRED ELECTRICAL, MECHANICAL, AND PLUMBING MODIFICATIONS WITH THE APPROPRIATE DISCIPLINES.
- ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.
- CLEAN THE WORK AREA DAILY AND REMOVE ALL DEBRIS FROM THE SITE UPON COMPLETION OF THE WORK.

ARCHITECTURAL SYMBOLS LEGEND

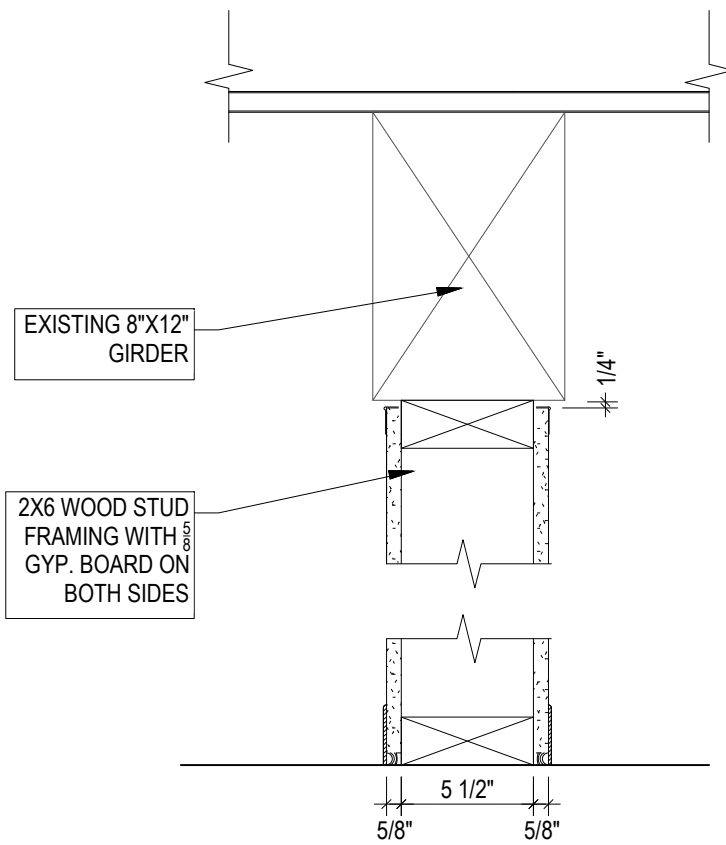
VIEW REFERENCES	NOTES & ANNOTATIONS	INDICATOR LINES
	INDICATES EXISTING	CENTER LINE
	SHEET KEYNOTE INDICATOR	LEVEL
	REFERENCE KEYNOTE INDICATOR	ELEVATION MARK
	REVISION INDICATOR	MATCHLINE
	ROOM IDENTIFIER	EXISTING GRID LINE
	ROOM NAME ROOM NUMBER ROOM AREA OCC. COUNT	PROPOSED GRID LINE
	WALL TYPE INDICATOR	BUILDING LINE
	WINDOW / LOUVER INDICATOR (REFER TO WINDOW SCHEDULE)	SEPARATION INDICATOR
	DOOR INDICATOR (REFER TO DOOR SCHEDULE)	PROPERTY LINE INDICATOR
	GLAZING INDICATOR (REFER TO PROJECT MANUAL)	EXISTING CORNER
	GLAZING MODIFIER (REFER TO STOREFRONT ELEVATIONS)	PROPOSED CORNER
	NORTH INDICATOR	
	PLAN NORTH	
	TRUE NORTH	
	BUILDING ELEMENTS	
	NEW CONSTRUCTION	ROOM FINISH INDICATOR
	NEW MASONRY CONSTRUCTION	TRANSITION STRIP INDICATOR
	EXISTING TO REMAIN	FINISHES
	EXISTING TO BE REMOVED	FINISH INDICATOR
		FINISH EXTENT INDICATOR
		TRANSITION STRIP INDICATOR
		FF&E
		CASEWORK INDICATOR (REFER TO INTERIOR ELEVATIONS)
		VISUAL DISPLAY BOARD INDICATOR
		CB = CHALKBOARD
		MB = MARKER BOARD
		TB = TACK BOARD
		TS = TACK STRIP
		ACCESSORY, FURNITURE, FIXTURE, AND EQUIPMENT INDICATOR
		SIGNAGE INDICATOR (REFER TO SCHEDULE)

ACCESSIBILITY

	T-SHAPED TURNING SPACE EXISTING BUILDINGS 2017 ICC A117.1 - 304.3	CLEAR FLOOR SPACE EXISTING BUILDINGS 2017 ICC A117.1 - 305.3
	T-SHAPED TURNING SPACE NEW BUILDINGS - OPTION 2 2017 ICC A117.1 - 304.3	CLEAR FLOOR SPACE NEW BUILDINGS 2017 ICC A117.1 - 305.3
T-SHAPED TURNING SPACE NEW BUILDINGS - OPTION 1 2017 ICC A117.1 - 304.3	T-SHAPED TURNING SPACE NEW BUILDINGS - OPTION 3 2017 ICC A117.1 - 304.3	INTERNATIONAL SYMBOL OF ACCESSIBILITY ICC A117.1 - 703.6.3.1



TYPE 'S'
PARTITION TO FINISHED CEILING



TYPE 'T'
PARTITION TO FINISHED CEILING

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DIVISION 02 - EXISTING CONDITIONS
SECTION 024100 - DEMOLITION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Selective demolition of building elements for alteration purposes.
- 1.02 RELATED REQUIREMENTS
 - A. Section 011000 - Summary: Limitations on Contractor's use of site and premises.
 - B. Section 011000 - Summary: Description of items to be salvaged or removed for re-use by Contractor.
 - C. Section 015000 - Temporary Facilities and Controls: Site fences, security, protective barriers, and waste removal.
 - D. Section 016000 - Product Requirements: Handling and storage of items removed for salvage and relocation.
 - E. Section 017000 - Execution and Closeout Requirements: Project conditions; protection of bench marks, survey control points, and existing construction to remain; reinstallation of removed products; temporary bracing and shoring.
 - F. Section 312200 - Grading: Rough and fine grading.
 - G. Section 312323 - Fill: Fill material for filling holes, pits, and excavations generated as a result of removal operations.

1.03 DEFINITIONS

- A. Demolish: Dismantle, raze, destroy, or wreck any building or structure or any part thereof.
- B. Remove: Detach or dismantle items from existing construction and dispose of them off site, unless items are indicated to be salvaged or reinstalled.
- C. Remove and Salvage: Detach or dismantle items from existing construction in a manner to prevent damage. Clean, package, label and deliver salvaged items to Owner in ready-for-reuse condition.
- D. Remove and Reinstall: Detach or dismantle items from existing construction in a manner to prevent damage. Clean and prepare for reuse and reinstall where indicated.
- E. Existing to Remain: Designation for existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.

1.04 REFERENCE STANDARDS

PART 3 EXECUTION

2.01 DEMOLITION

- A. Remove other items indicated, for salvage, relocation, and recycling.
- B. Fill excavations, open pits, and holes in ground areas generated as result of removals, using specified fill; compact fill as specified in Section 312200.

2.02 GENERAL PROCEDURES AND PROJECT CONDITIONS

- A. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
 - 1. Obtain required permits.
 - 2. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
 - 3. Provide, erect, and maintain temporary barriers and security devices.
 - 4. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
 - 5. Do not close or obstruct roadways or sidewalks without permits from authority having jurisdiction.
 - 6. Conduct operations to minimize obstruction of public and private entrances and exits. Do not obstruct required exits at any time. Protect persons using entrances and exits from removal operations.
 - 7. Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon, or limit access to their property.
- B. Do not begin removal until receipt of notification to proceed from Owner.
- C. Protect existing structures and other elements to remain in place and not removed.
 - 1. Provide bracing and shoring.
 - 2. Prevent movement or settlement of adjacent structures.
 - 3. Stop work immediately if adjacent structures appear to be in danger.

2.03 SELECTIVE DEMOLITION FOR ALTERATIONS

- A. Existing construction and utilities indicated on drawings are based on casual field observation and existing record documents only.
 - 1. Verify construction and utility arrangements are as indicated.
 - 2. Report discrepancies to Architect before disturbing existing installation.
 - 3. Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.
- B. Remove existing work as indicated and required to accomplish new work.
 - 1. Remove items indicated on drawings.
- C. Services including, but not limited to, HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications: Remove existing systems and equipment as indicated.
 - 1. Maintain existing active systems to remain in operation, and maintain access to equipment and operational components.
 - 2. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.
 - 3. Verify that abandoned services serve only abandoned facilities before removal.
 - 4. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings. Remove back to source of supply where possible, otherwise cap stub and tag with identification.
- D. Protect existing work to remain.
 - 1. Prevent movement of structure. Provide shoring and bracing as required.
 - 2. Perform cutting to accomplish removal work neatly and as specified for cutting new work.
 - 3. Repair adjacent construction and finishes damaged during removal work.
 - 4. Patch to match new work.

2.04 DEBRIS AND WASTE REMOVAL

- A. Remove debris, junk, and trash from site.
- B. Leave site in clean condition, ready for subsequent work.
- C. Clean up spillage and wind-blown debris from public and private lands.

END OF SECTION

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES
SECTION 061000 - ROUGH CARPENTRY

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Nonstructural dimension lumber framing.
- B. Rough opening framing for doors, windows, and roof openings.
- C. Concealed wood blocking, nailers, and supports.

1.02 RELATED REQUIREMENTS

- A. Section 061323 - Heavy Timber Framing.
- B. Section 092116 - Gypsum Board Assemblies: Gypsum-based sheathing.

1.03 REFERENCE STANDARDS

- A. AWC (WFCM) - Wood Frame Construction Manual for One- and Two-Family Dwellings; 2024, with Errata.
- B. PS 20 - American Softwood Lumber Standard; 2025.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies.
 - 1. If no species is specified, provide species graded by the agency specified; if no grading agency is specified, provide lumber graded by grading agency meeting the specified requirements.
 - 2. Grading Agency: Grading agency whose rules are approved by the Board of Review, American Lumber Standard Committee at www.alsc.org, and who provides grading service for the species and grade specified; provide lumber stamped with grade mark unless otherwise indicated.

2.02 ACCESSORIES

- A. Metal and Finish of Fasteners:
 - 1. Untreated Wood: Unfinished steel.

PART 3 EXECUTION

3.01 PREPARATION

- A. Coordinate installation of rough carpentry members specified in other sections.

3.02 INSTALLATION - GENERAL

- A. Select material sizes to minimize waste.
- B. Reuse scrap to the greatest extent possible; clearly separate scrap for use on site as accessory components, including: shims, bracing, and blocking.

3.03 FRAMING INSTALLATION

- A. Set structural members level, plumb, and true to line. Discard pieces with defects that would lower required strength or result in unacceptable appearance of exposed members.
- B. Make provisions for temporary construction loads, and provide temporary bracing sufficient to maintain structure in true alignment and safe condition until completion of erection and installation of permanent bracing.
- C. Install structural members full length without splices unless otherwise specifically detailed.
- D. Comply with member sizes, spacing, and configurations indicated, and faster size and spacing indicated, but not less than required by applicable codes, AWC (WFCM) Wood Frame Construction Manual, and _____.
- E. Construct double joist headers at floor and ceiling openings and under wall stud partitions that are parallel to floor joists; use metal joist hangers unless otherwise detailed.
- F. Frame wall openings with two or more studs at each jamb; support headers on cripple studs.

3.04 BLOCKING, NAILERS, AND SUPPORTS

- A. Provide framing and blocking members as indicated or as required to support finishes, fixtures, specialty items, and trim.

3.05 TOLERANCES

- A. Framing Members: 1/4 inch (6 mm) from true position, maximum.
- B. Variation from Plane, Other than Floors: 1/4 inch in 10 feet (2 mm/m) maximum, and 1/4 inch in 30 feet (7 mm in 10 m) maximum.

3.06 CLEANING

- A. Waste Disposal: See Section 017419 - Construction Waste Management and Disposal.
 - 1. Comply with applicable regulations.
 - 2. Do not burn scrap on project site.
 - 3. Do not burn scraps that have been pressure treated.
 - 4. Do not send materials treated with pentachlorophenol, CCA, or ACA to co-generation facilities or "waste-to-energy" facilities.
- B. Do not leave wood, shavings, sawdust, etc. on the ground or buried in fill.
- C. Prevent sawdust and wood shavings from entering the storm drainage system.

END OF SECTION

SECTION 062000 - FINISH CARPENTRY

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Finish carpentry items.

1.02 RELATED REQUIREMENTS

- A. Section 099123 - Interior Painting.

1.03 REFERENCE STANDARDS

- A. AWI (QCP) - Quality Certification Program; Current Edition.
- B. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition; 2014, with Errata (2016).
- C. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards; 2021, with Errata.
- D. HPVA HP-1 - American National Standard for Hardwood and Decorative Plywood; 2024.
- E. PS 1 - Structural Plywood; 2023.

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
 - 1. Provide information as required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).
 - 2. Include certification program label.
- C. Samples: Submit two samples of finish plywood, ____x____ inch (____x____ mm) in size illustrating wood grain and specified finish.
- D. Samples: Submit two samples of wood trim ____ inch (____ mm) long.
- E. Samples: Submit two samples of Base, one-quarter full size, illustrating one-quarter finish, construction, and _____.

1.05 QUALITY ASSURANCE

- A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
 - 1. Company with at least one project within the past 5 years with value of woodwork within 20 percent of cost of woodwork for this project.
 - 2. Accredited participant in the specified certification program prior to the commencement of fabrication and throughout the duration of the project.
- B. Quality Certification:
 - 1. Comply with AWI (QCP) woodwork association quality certification service/program in accordance with requirements for work specified in this section: www.awi-qcp.org/#sle.
 - 2. Provide labels or certificates indicating that work complies with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade or grades specified.
 - 3. Provide designated labels on shop drawings as required by certification program.
 - 4. Provide designated labels on installed products as required by certification program.
 - 5. Submit certifications upon completion of installation that verifies this work is in compliance with specified requirements.

PART 2 PRODUCTS

2.01 FINISH CARPENTRY ITEMS

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Interior Woodwork Items:
 - 1. Hardwood Trim
 - 2. Wood veneer panels

2.02 LUMBER MATERIALS

- A. Hardwood Lumber: Red Oak species, Plain sawn, maximum moisture content of 6 percent ; with vertical grain , of quality suitable for transparent finish.

2.03 SHEET MATERIALS

- A. Softwood Plywood, Not Exposed to View: Any face species, medium density fiberboard core; PS 1 Grade A-B, glue type as recommended for application.
- B. Hardwood Plywood: Face species as indicated, plain sawn, book matched, medium density fiberboard core; HPVA HP-1 Front Face Grade AA, Back Face Grade 1, glue type as recommended for application.

2.04 PANEL CORE MATERIALS

2.05 FABRICATION

- A. Shop assemble work for delivery to site, permitting passage through building openings.
- B. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify adequacy of backing and support framing.

3.02 INSTALLATION

- A. Install custom fabrications in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.
- B. Set and secure materials and components in place, plumb and level.
- C. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch (0.79 mm). Do not use additional overlay trim to conceal larger gaps.

END OF SECTION

DIVISION 09 - FINISHES
SECTION 092116 - GYPSUM BOARD ASSEMBLIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Gypsum wallboard.

- B. Joint treatment and accessories.

1.02 RELATED REQUIREMENTS

- A. Section 061000 - Rough Carpentry: Building framing.
- B. Section 061000 - Rough Carpentry: Wood blocking product and execution requirements.

1.03 REFERENCE STANDARDS

- A. ASTM C475/C475M - Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board; 2017 (Reapproved 2022).
- B. ASTM C514 - Standard Specification for Nails for the Application of Gypsum Board; 2004 (Reapproved 2020).
- C. ASTM C840 - Standard Specification for Application and Finishing of Gypsum Board; 2025.
- D. ASTM C1002 - Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs; 2022.
- E. ASTM C1047 - Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base; 2019.
- F. ASTM C1396/C1396M - Standard Specification for Gypsum Board; 2024.
- G. ASTM D3273 - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber; 2021.
- H. GA-216 - Application and Finishing of Gypsum Panel Products; 2024.

PART 2 PRODUCTS

2.01 GYPSUM BOARD ASSEMBLIES

- A. Provide completed assemblies complying with ASTM C840 and GA-216.

2.02 BOARD MATERIALS

- A. Gypsum Wallboard: Paper-faced gypsum panels as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
 - 1. Application: Use for vertical surfaces, unless otherwise indicated.
 - 2. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
 - 3. Thickness:
 - a. Vertical Surfaces: 5/8 inch (16 mm).
- B. Backing Board For Non-Wet Areas: Water-resistant gypsum backing board as defined in ASTM C1396/C1396M; sizes to minimum joints in place; ends square cut.
 - 1. Application: Vertical surfaces behind thinset tile, except in wet areas.
 - 2. Edges: Tapered.

2.03 GYPSUM BOARD ACCESSORIES

- A. Beads, Joint Accessories, and Other Trim: ASTM C1047; rigid plastic, galvanized steel, or rolled zinc.
 - 1. Corner Beads: Low profile, for 90 degree outside corners.
- B. Joint Materials: ASTM C475/C475M and as recommended by gypsum board manufacturer for project conditions.
- C. Screws for Fastening of Gypsum Panel Products to Cold-Formed Steel Studs Less than 0.033 inches (0.84 mm) in Thickness and Wood Members: ASTM C1002; self-piercing tapping screws, corrosion-resistant.
- D. Nails for Attachment to Wood Members: ASTM C514.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that project conditions are appropriate for work of this section to commence.

3.02 FRAMING INSTALLATION

- A. Studs: Space studs at 16 inches on center (at 406 mm on center).
 - 1. Extend partition framing to structure where indicated and to ceiling in other locations.
 - 2. Partitions Terminating at Ceiling: Attach ceiling runner securely to ceiling track in accordance with manufacturer's instructions.
- B. Blocking: Install wood blocking for support of:
 - 1. Framed openings.
 - 2. Wall-mounted cabinets and counters.
 - 3. Toilet accessories.

3.03 BOARD INSTALLATION

- A. Comply with ASTM C840, GA-216, and manufacturer's instructions. Install to minimize butt end joints, especially in highly visible locations.
- B. Installation on Wood Framing: For rated assemblies, comply with requirements of listing authority. For nonrated assemblies, install as follows:
 - 1. Single-Layer Applications: Screw attachment.

3.04 JOINT TREATMENT

- A. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
 - 1. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
 - 2. Level 2: In utility areas, behind cabinetry, and on backing board to receive tile finish.
 - 3. Level 1: Fire-resistance-rated wall areas above finished ceilings, whether or not accessible in the completed construction.
- B. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
 - 1. Feather coats of joint compound so that camber is maximum 1/32 inch (0.8 mm).

END OF SECTION

SECTION 093000 - TILING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Tile for wall applications.
- B. Non-ceramic trim.

1.02 RELATED REQUIREMENTS

- A. Section 092116 - Gypsum Board Assemblies: Tile backer board.

1.03 REFERENCE STANDARDS

- A. ANSI A108/A118/A136 - American National Standard Specifications for the Installation of Ceramic Tile (Compendium); 2024.
- B. ANSI A118.3 - American National Standard Specifications for Chemical Resistant, Water Cleanable Tile-Setting and -Grouting Epoxy and Water Cleanable Tile-Setting Epoxy Adhesive; 2021.
- C. ANSI A118.12 - American National Standard Specifications for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation; 2014 (Reaffirmed 2024).
- D. ANSI A118.15 - American National Standard Specifications for Improved Modified Dry-Set Cement Mortar; 2023.
- E. ANSI A137.1 - American National Standard Specifications for Ceramic Tile; 2022.
- F. ASTM C373 - Standard Test Methods for Determination of Water Absorption and Associated Properties by Vacuum Method for Pressed Ceramic Tiles and Glass Tiles and Boil Method for Extruded Ceramic Tiles and Non-tile Fired Ceramic Whiteware Products; 2018 (Reapproved 2023).
- G. TCNA (HB-GP) - Handbook for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs Installation; 2025-2026.
- H. TCNA (HB) - Handbook for Ceramic, Glass, and Stone Tile Installation; 2026.

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide manufacturers' data sheets on tile, mortar, grout, and accessories. Include instructions for using grouts and adhesives.
- C. Installer's qualification statement.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications:
 - 1. Company specializing in performing tile installation, with minimum of five years of documented experience.

1.06 FIELD CONDITIONS

- A. Maintain ambient and substrate temperature above 50 degrees F (10 degrees C) and below 100 degrees F (38 degrees C) during installation and curing of setting materials.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Setting Materials:
 - 1. Bostik Inc: www.bostik.com/#sle.
 - 2. Custom Building Products: www.custombuildingproducts.com/#sle.
 - 3. TEC Specialty Products LLC: www.tecspecialty.com/#sle.
 - 4. LATICRETE International, Inc: www.laticrete.com/#sle.
 - 5. Mapei Corporation: www.mapei.com/#sle.
- B. Grout:
 - 1. Bostik Inc: www.bostik.com/#sle.
 - 2. Custom Building Products: www.custombuildingproducts.com/#sle.



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08/08/2026

DESCRIPTION

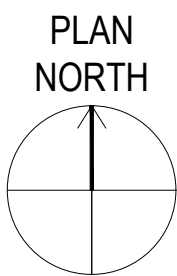
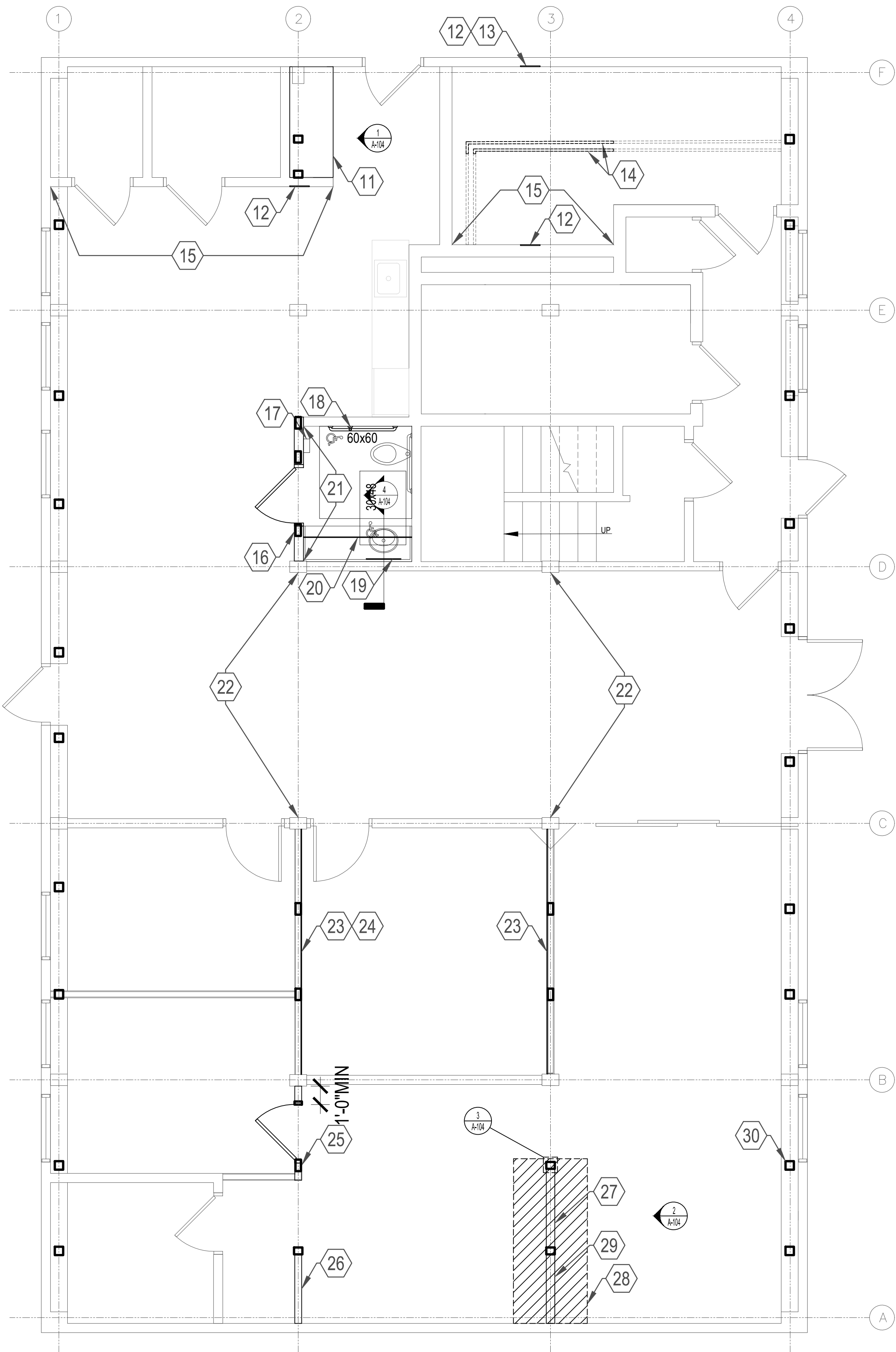
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SHEET SPECS

A-002

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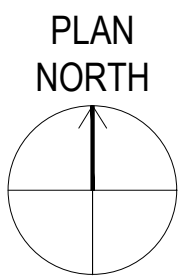
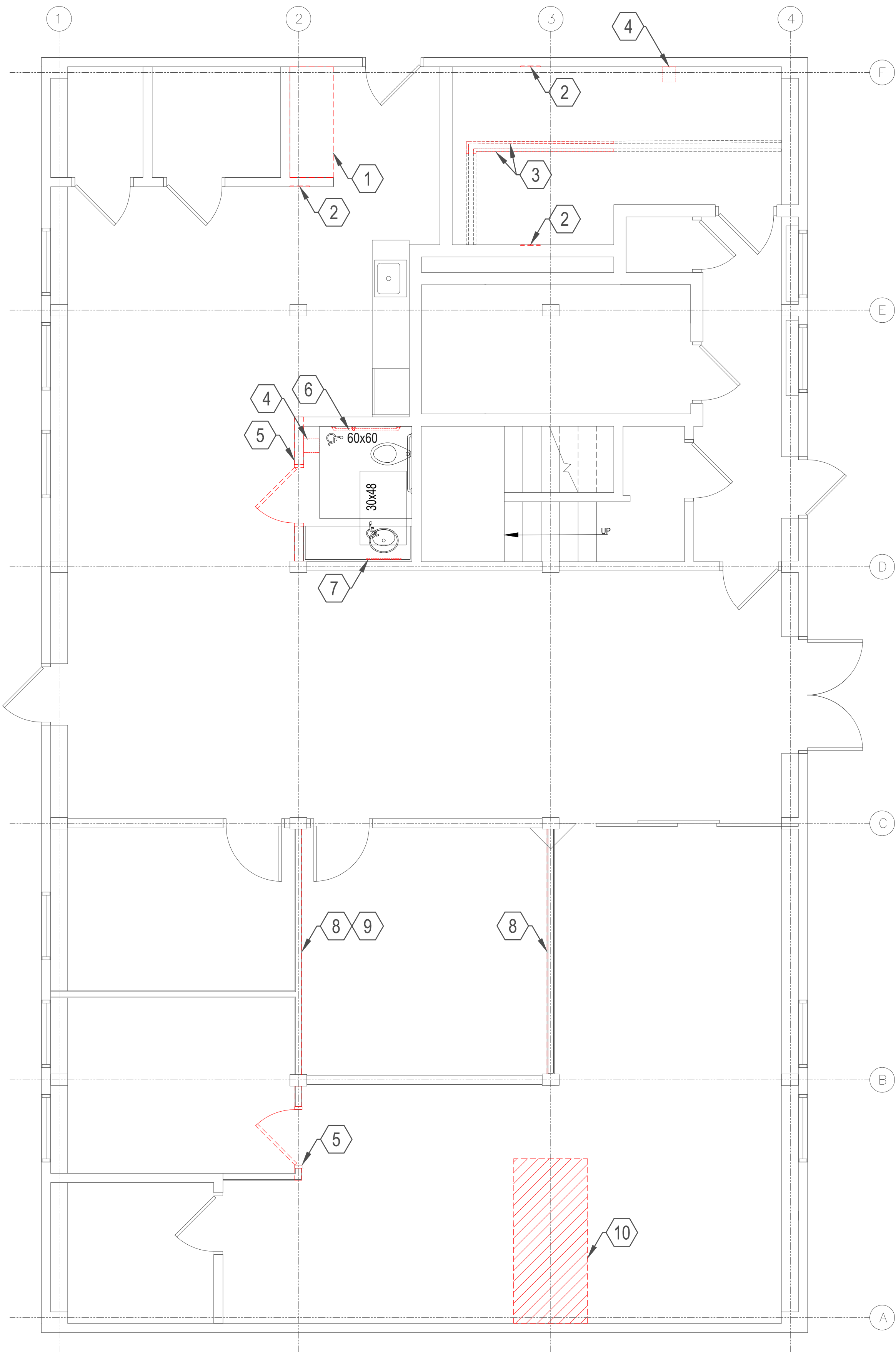
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2

FIRST FLOOR PLAN

1/4" = 1'-0"



1

FIRST FLOOR DEMOLITION PLAN

1/4" = 1'-0"

GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING.
- DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OWNER TO MINIMIZE DISRUPTION TO BUILDING OPERATIONS.
- PROTECT ALL EXISTING CONSTRUCTION, FINISHES, FURNISHINGS, AND EQUIPMENT TO REMAIN FROM DAMAGE DURING CONSTRUCTION.
- REPAIR OR REPLACE ANY EXISTING CONSTRUCTION DAMAGED DURING CONSTRUCTION TO MATCH EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- REMOVE DAMAGED TILES AFFECTED BY REMOVAL OF HORIZONTAL GRAB BAR AND PREP FOR NEW.
- ALL NEW GYPSUM BOARD SHALL BE TAPED, FINISHED, PRIMED, AND PAINTED. REFER TO SHEET A-002 FOR MATERIALS AND COLORS.
- INSTALL NEW BASE WHERE INDICATED. MATCH ADJACENT BASE MATERIAL, HEIGHT, AND FINISH UNLESS OTHERWISE NOTED.
- SALVAGE ITEMS IDENTIFIED FOR REINSTALLATION AND PROTECT THEM FROM DAMAGE DURING CONSTRUCTION.
- COORDINATE ALL REQUIRED ELECTRICAL, MECHANICAL, AND PLUMBING MODIFICATIONS WITH THE APPROPRIATE DISCIPLINES.
- ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE APPLICABLE BUILDING CODES AND PROJECT SPECIFICATIONS.
- CLEAN THE WORK AREA DAILY AND REMOVE ALL DEBRIS FROM THE SITE UPON COMPLETION OF THE WORK.

KEYNOTES

DEMOLITION

- REMOVE AND SALVAGE SHELVING.
- REMOVE GYPSUM BOARD NEEDED TO ACCOMMODATE NEW STRUCTURAL BEAMS; SEE STRUCTURAL
- REMOVE EXISTING OVERHEAD PLUMBING TO ACCOMMODATE STRUCTURAL REINFORCEMENT.
- REMOVE PAPER TOWEL DISPENSER
- REMOVE THE ENTIRETY OF THE WALL, DOOR, DOOR FRAME, AND BASE TO INSTALL NEW STRUCTURE. SALVAGE DOOR, DOOR FRAME, AND BASE FOR REINSTALLATION.
- REMOVE AND SALVAGE ADA GRAB BAR; DEMO TWO WALL TILES WHERE HORIZONTAL GRAB BAR IS FASTENED TO THE WALL, PREP FOR NEW TILE
- REMOVE AND SALVAGE MIRROR
- REMOVE GYPSUM BOARD AND BASE ONLY ON INSIDE FACE OF WALL. SALVAGE BASE FOR REINSTALLATION
- REMOVE ALL EXISTING FURNISHINGS, FIXTURES, AND ACCESSORIES. SALVAGE FOR REINSTALLATION UNLESS OTHERWISE NOTED.
- REMOVE AND SALVAGE EXISTING CARPET TILE TO ACCOMMODATE FOR NEW WALL CONSTRUCTION

PROPOSED

- REINSTALL SHELVING; SEE INTERIOR ELEVATIONS.
- PATCH AND REPAIR WALL.
- NEW TILE (CT-2) TO MATCH EXISTING AT PATCHED OPENING.
- INSTALL NEW PVC PLUMBING AFTER METAL PLATE IS INSTALLED.
- PAINT FULL EXTENTS OF WALL (PT-1).
- RECONSTRUCT TYPE 'S' WALL WITH PAINT. REINSTALL EXISTING BASE; SEE STRUCTURAL
- INSTALL NEW ADA COMPLIANT PAPER TOWEL DISPENSER (PROTRUDES 4" MAX OFF WALL)
- REINSTALL HORIZONTAL ADA GRAB BAR 54" FROM EAST WALL FOR ADA COMPLIANCE; INSTALL NEW WALL TILE (CT-1)
- REINSTALL MIRROR AT 40" AFF MAX FOR ADA COMPLIANCE
- INSTALL NEW PIPE COVERING FOR SINK PIPELINE
- NEW TILE WAINSCOT (CT-1) TO MATCH EXISTING TILE PAINT WALL (PT-2) ABOVE TILE
- PAINT (PT-3) NEW STRUCTURAL STEEL AND SIMPSON DECORATIVE HARDWARE. MODEL NO. APDMW AT BOLTED CONNECTIONS ABOVE; SEE STRUCTURAL
- INSTALL NEW GYPSUM BOARD, PAINT (PT-4), AND SALVAGED BASE.
- REINSTALL ALL EXISTING FURNISHINGS, FIXTURES, AND ACCESSORIES.
- NEW WALL TYPE 'S' WITH PAINT (PT-1) AND NEW WOOD BASE, A MINIMUM OF 12" FROM WALL TO DOOR SWING LATCH; SEE STRUCTURAL
- NEW TYPE 'T' WALL WITH PAINT (PT-1) AND BASE
- PARTIAL HEIGHT TYPE 'T' WALL FROM COLUMN TO COLUMN WITH PAINT (PT-1), BASE, AND CAP; SEE INTERIOR ELEVATIONS
- REINSTALL SALVAGED CARPET TILE AFTER NEW WALL CONSTRUCTION IS COMPLETE
- FULL HEIGHT TYPE 'T' WALL FROM COLUMN TO COLUMN WITH PAINT (PT-1), BASE, AND CAP; SEE INTERIOR ELEVATIONS

LEGEND

- EXISTING CONSTRUCTION TO BE REMOVED. REFER TO DEMOLITION NOTES FOR SPECIFIC SCOPE OF WORK.
- NEW CONSTRUCTION, INCLUDING WALLS, DOORS, FINISHES, AND OTHER ITEMS AS INDICATED.



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REVISION

DESCRIPTION

DATE

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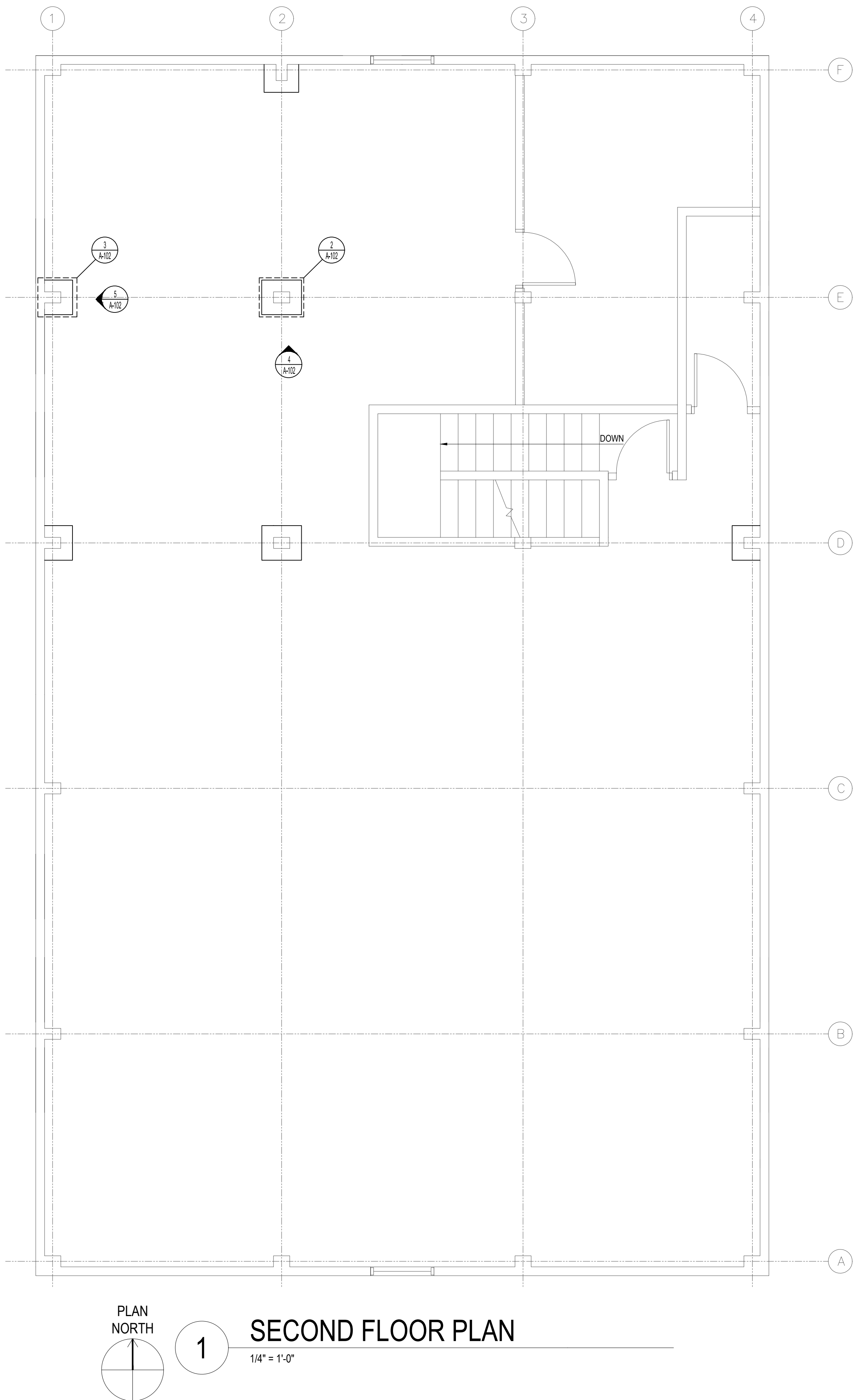
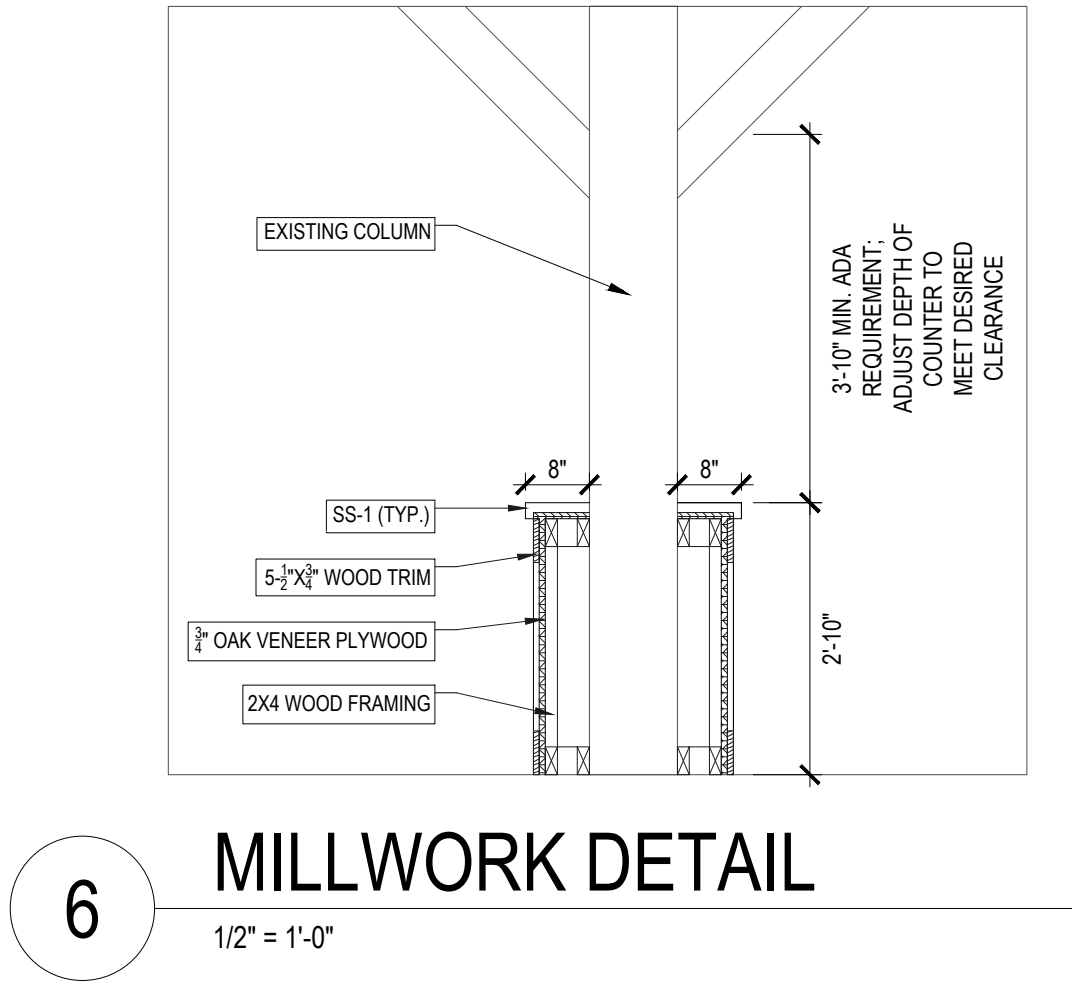
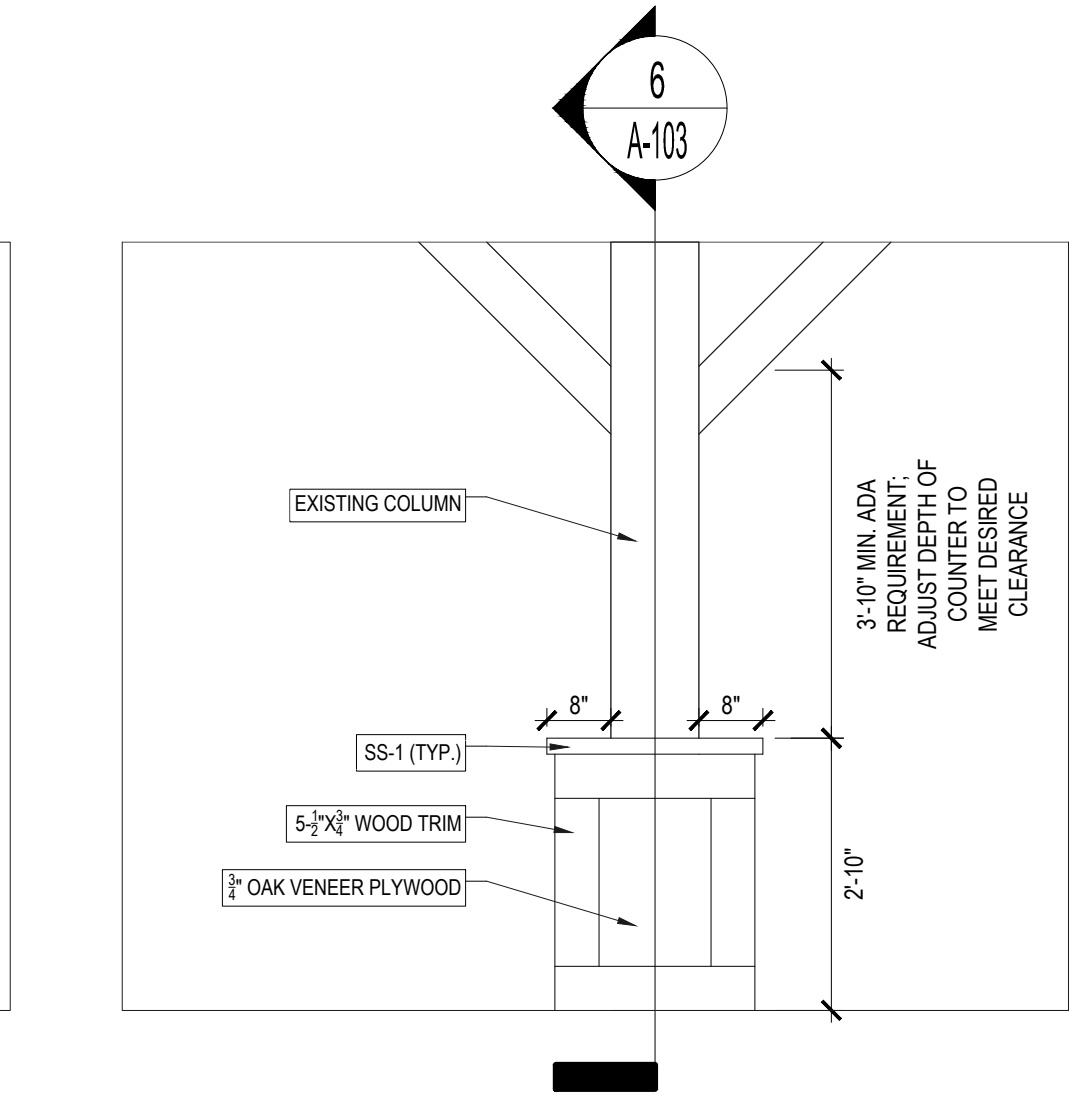
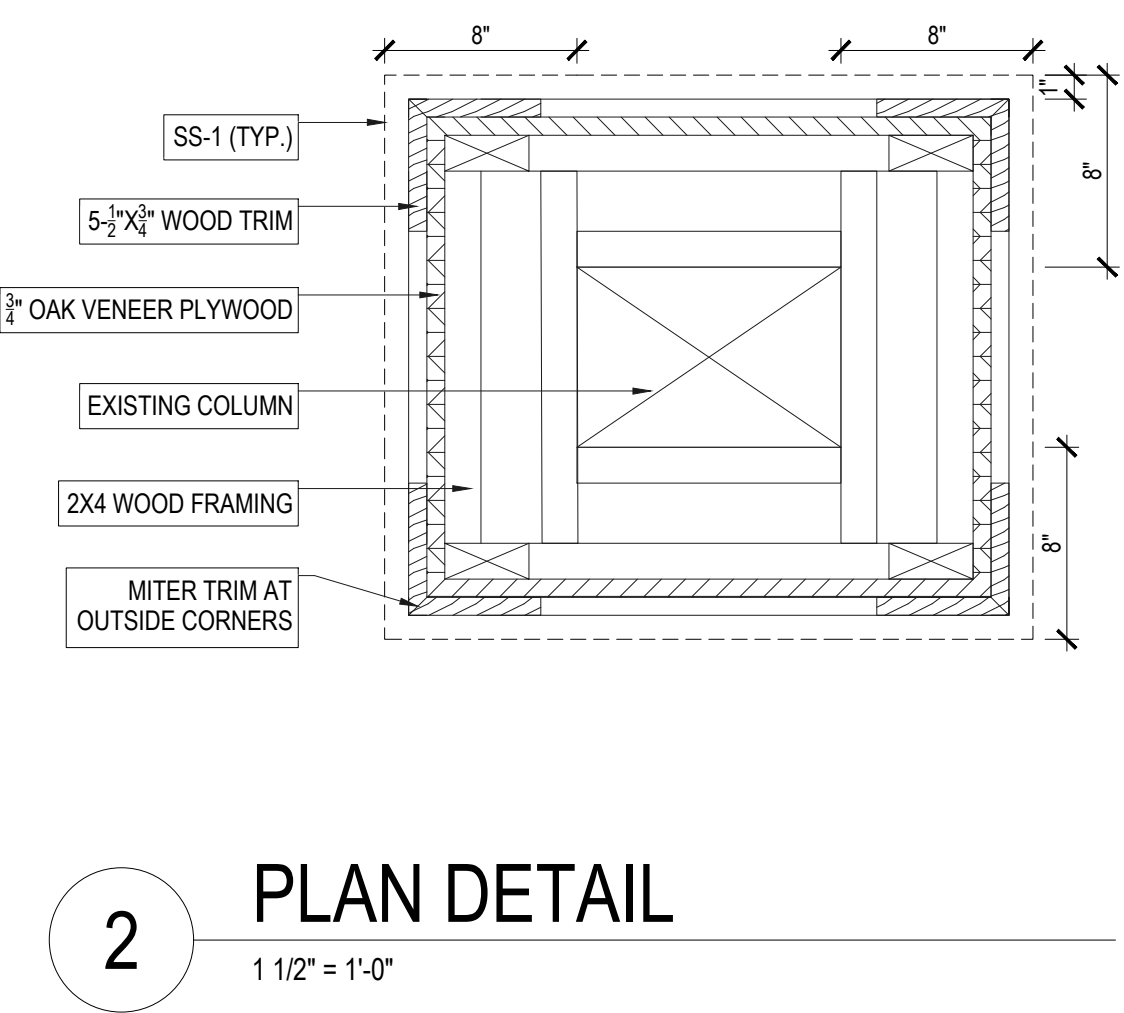
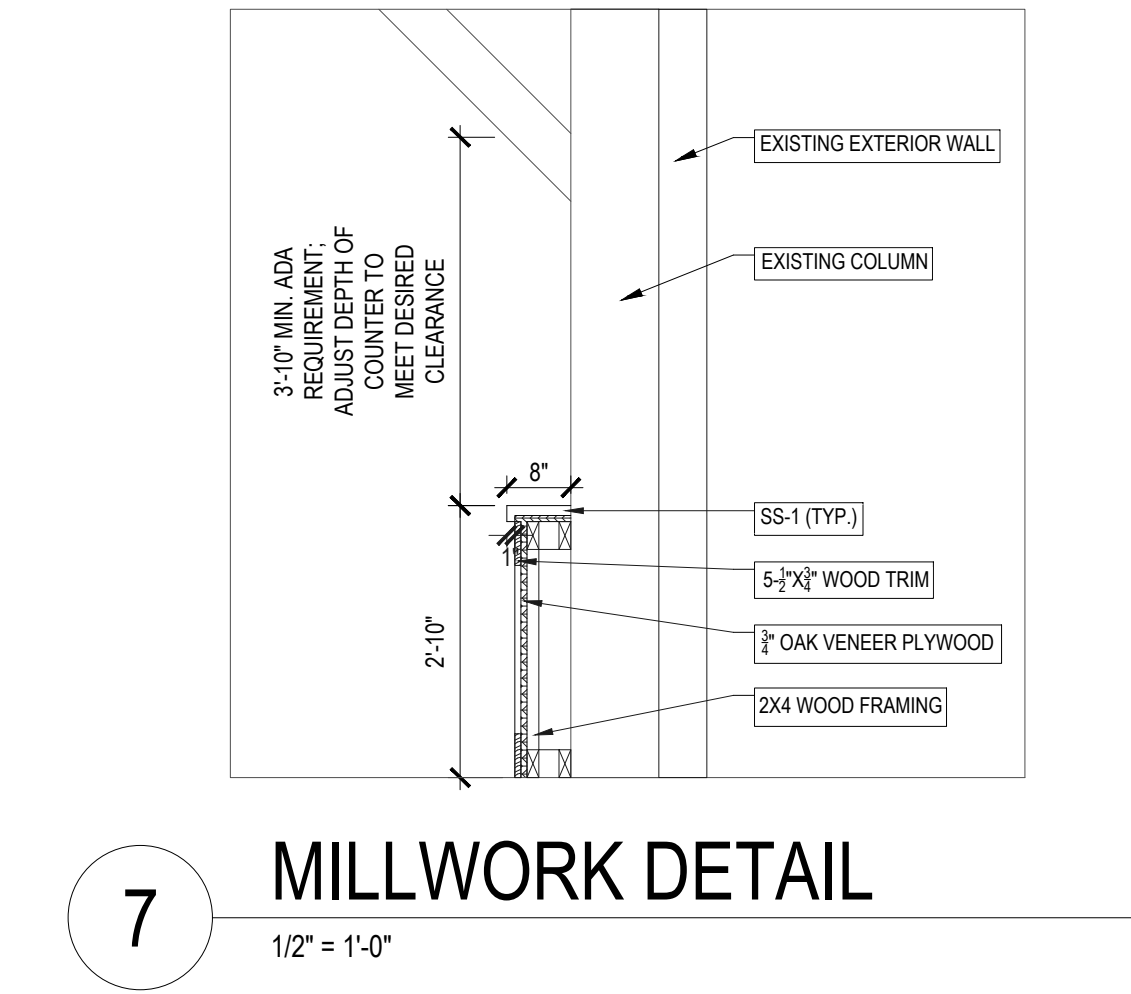
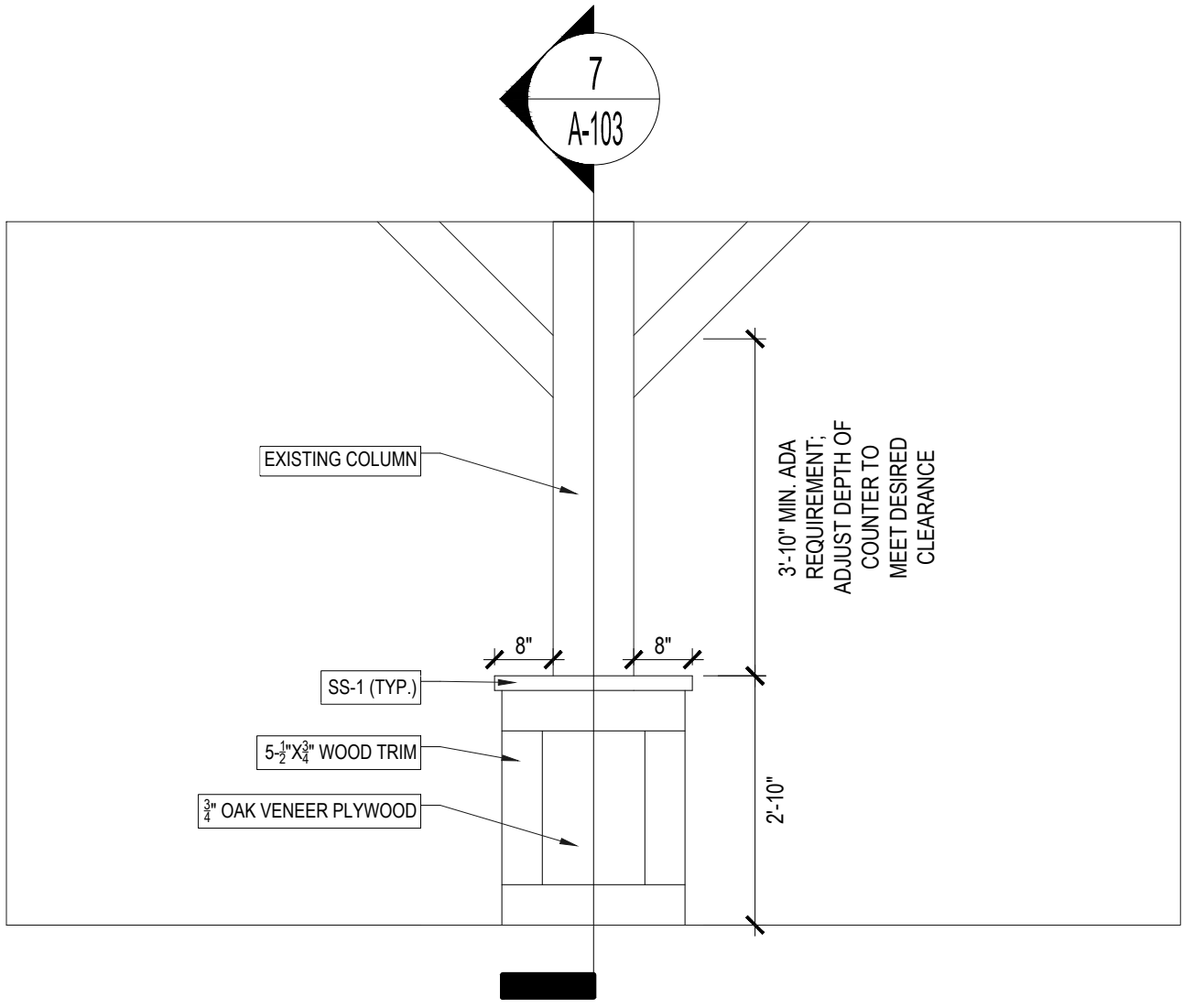
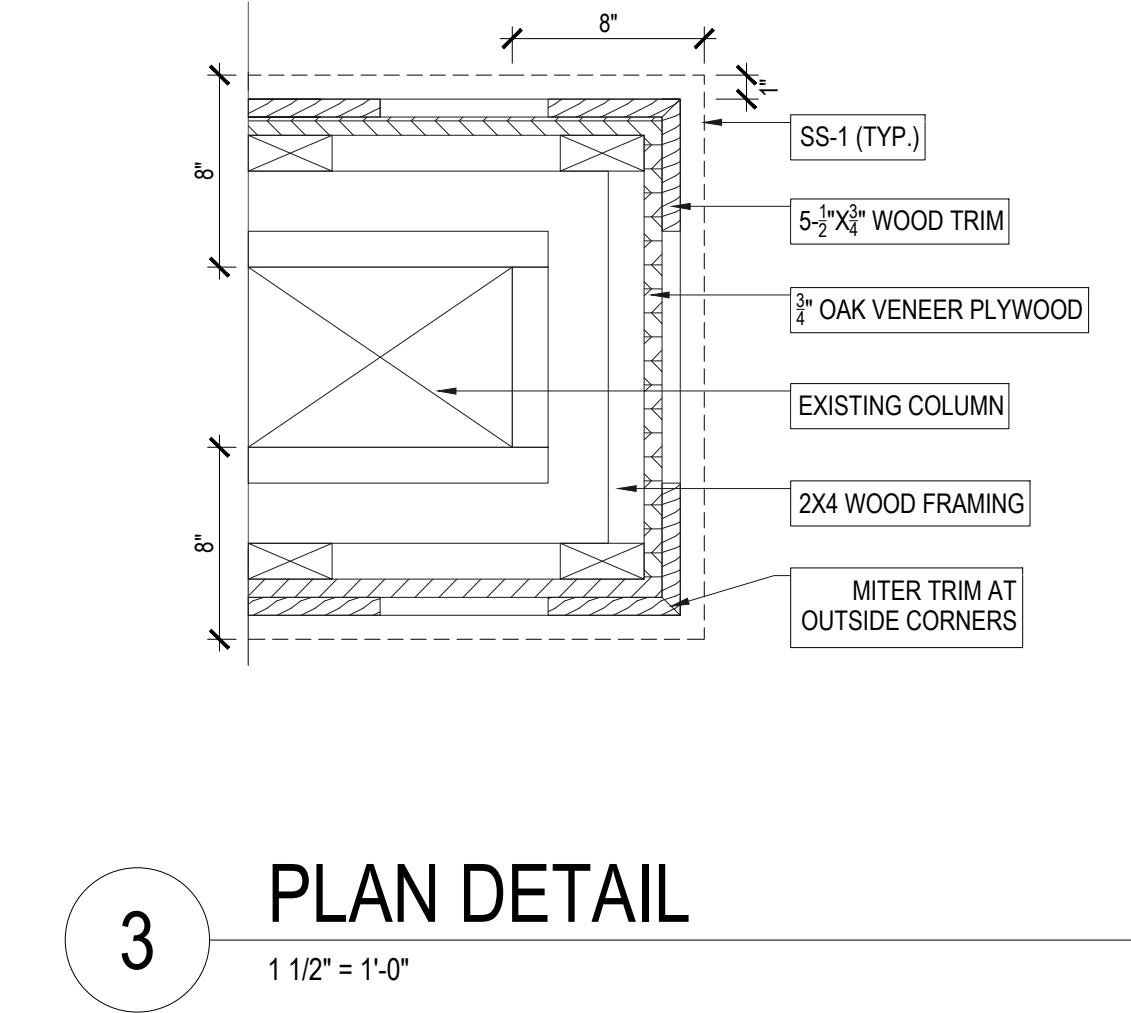
COBLESTONE FARM BARN

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DEMOLITION & PROPOSED FIRST FLOOR PLANS

A-101

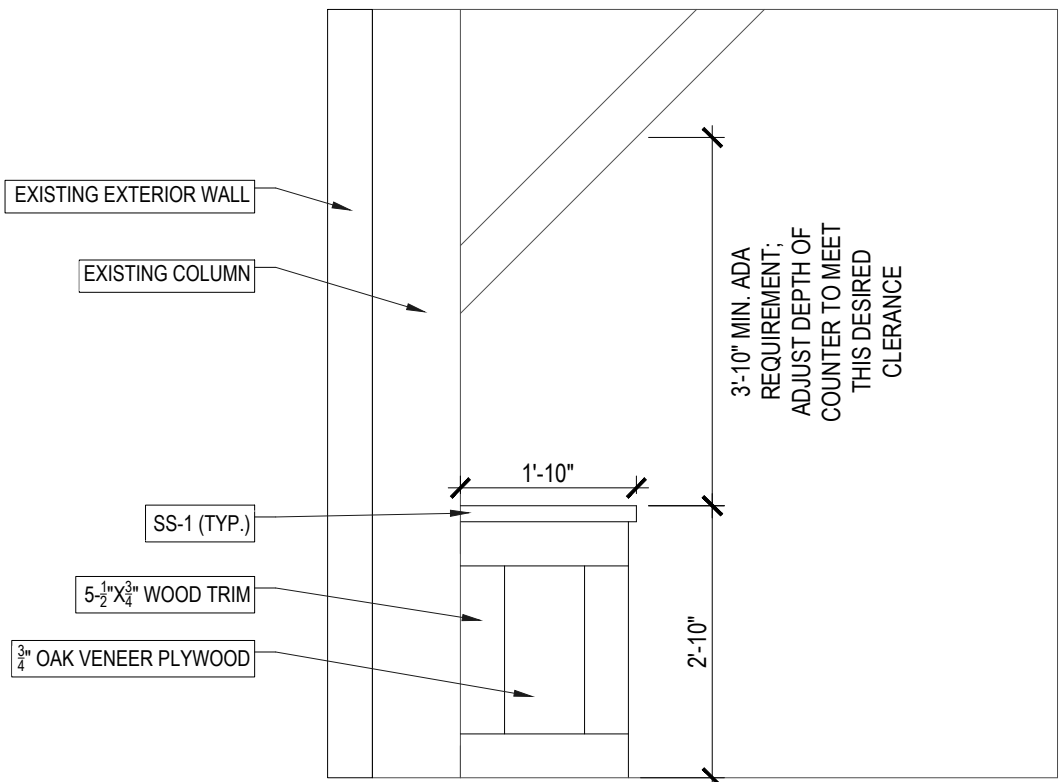
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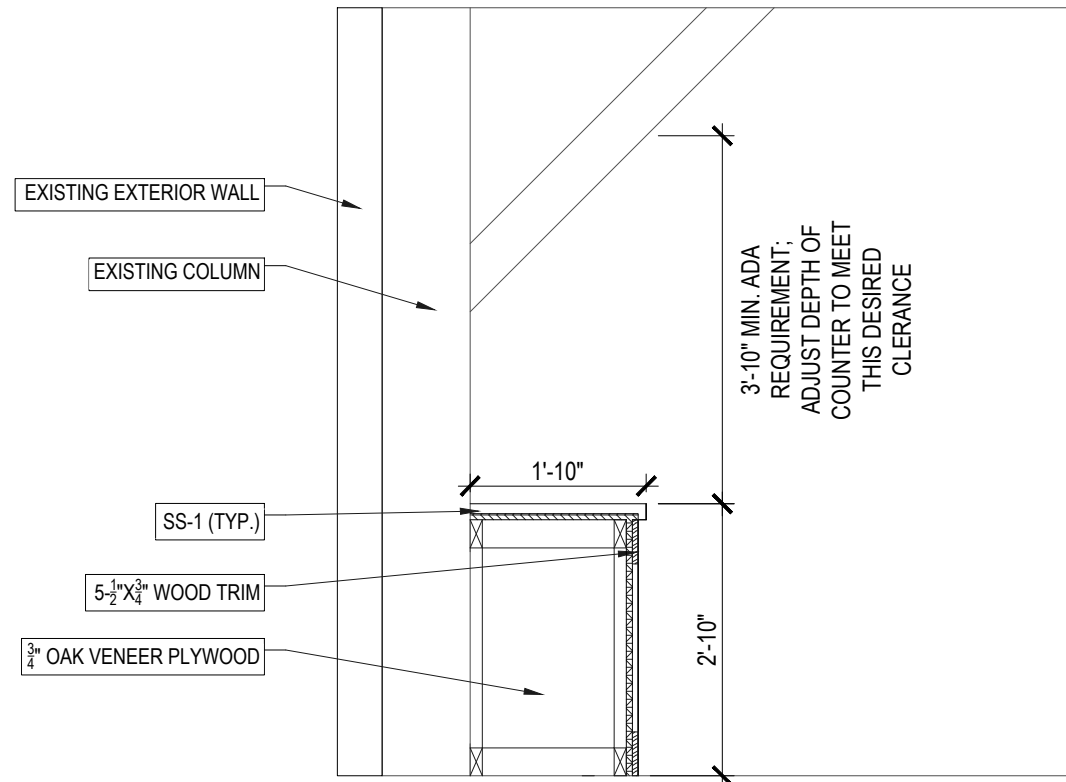
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- REFER TO A-002 FOR SPECIFICATIONS.

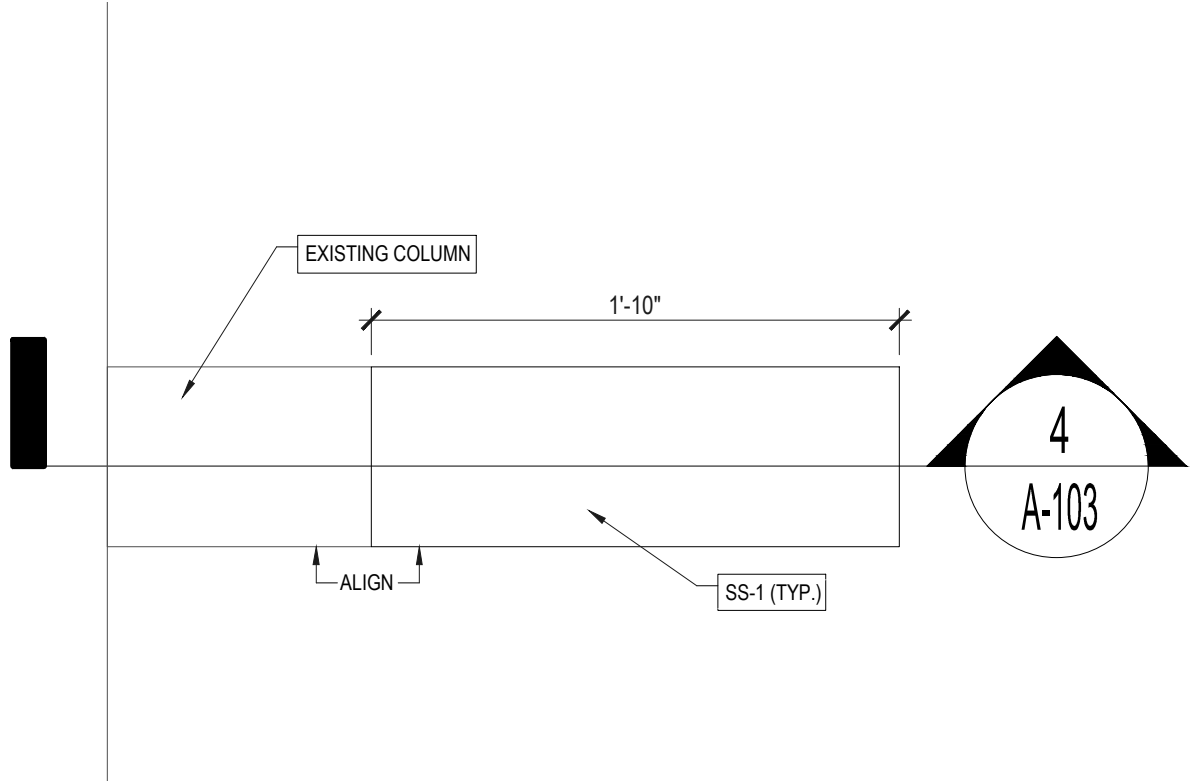
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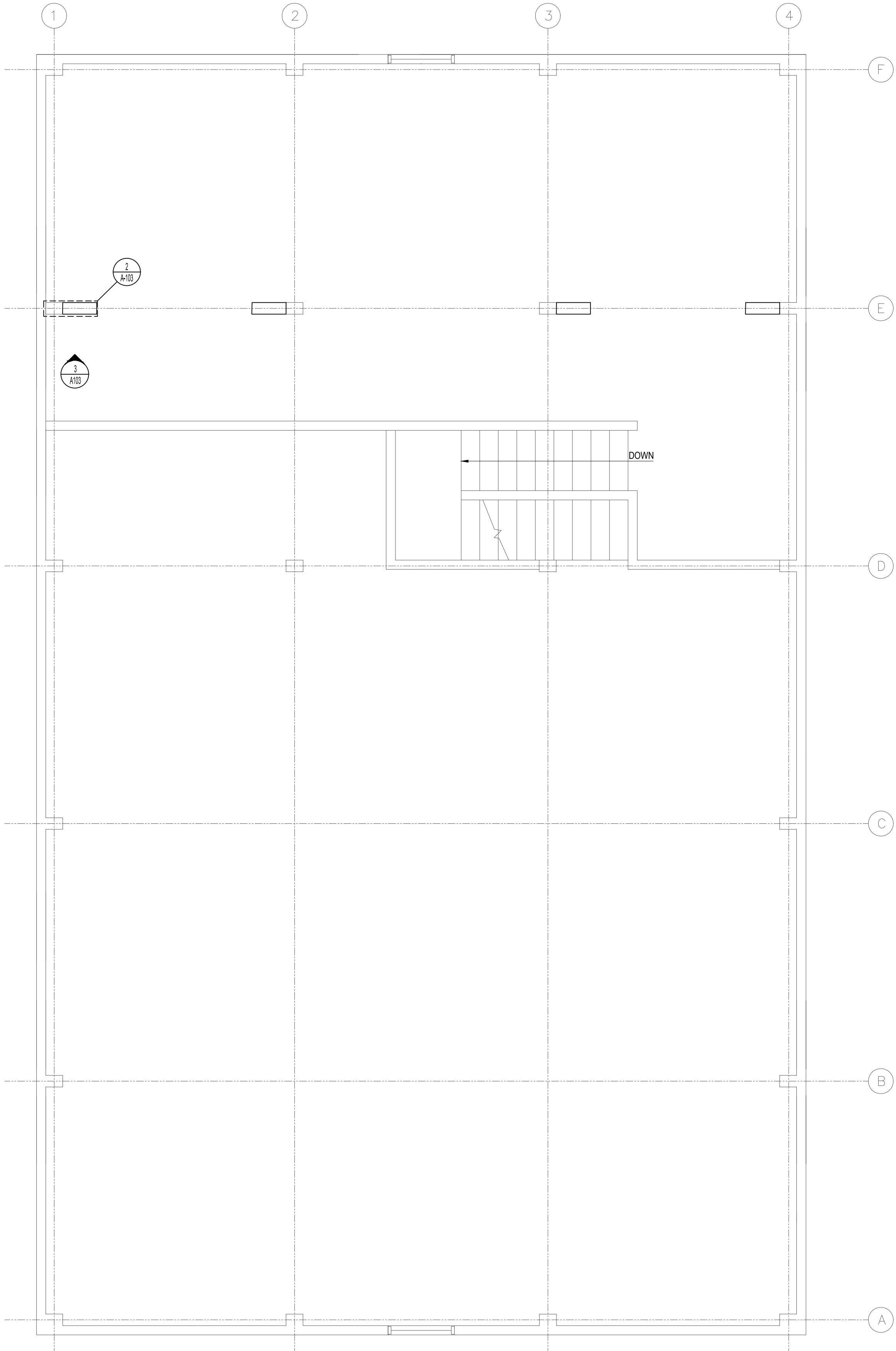
3 INTERIOR ELEVATION
1 1/2" = 1'-0"



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



2 PLAN DETAIL
1 1/2" = 1'-0"



PLAN NORTH
1 THIRD FLOOR PLAN
1/4" = 1'-0"

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- REFER TO A-002 FOR SPECIFICATIONS.



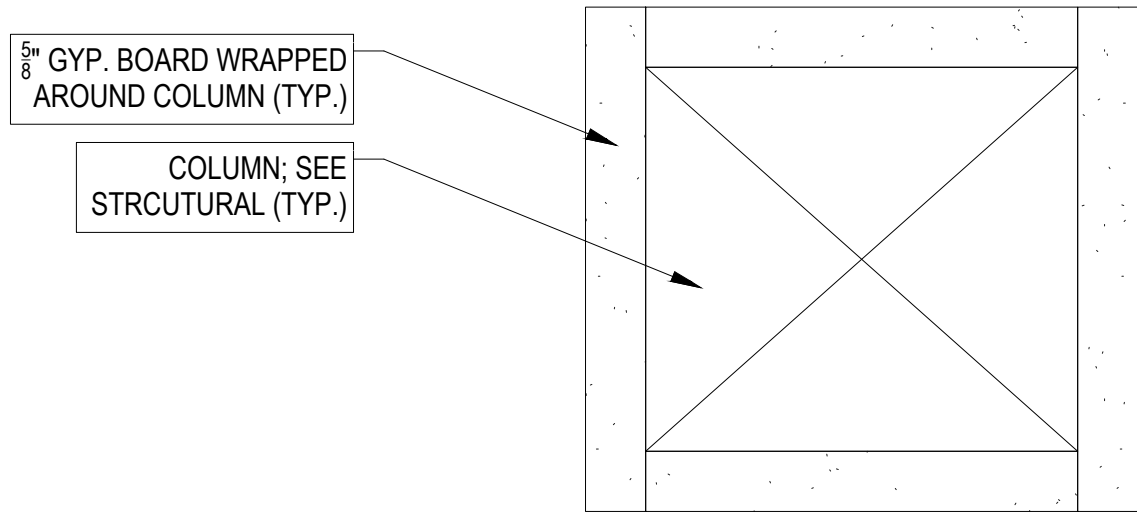
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THIRD FLOOR PLAN AND DETAILS

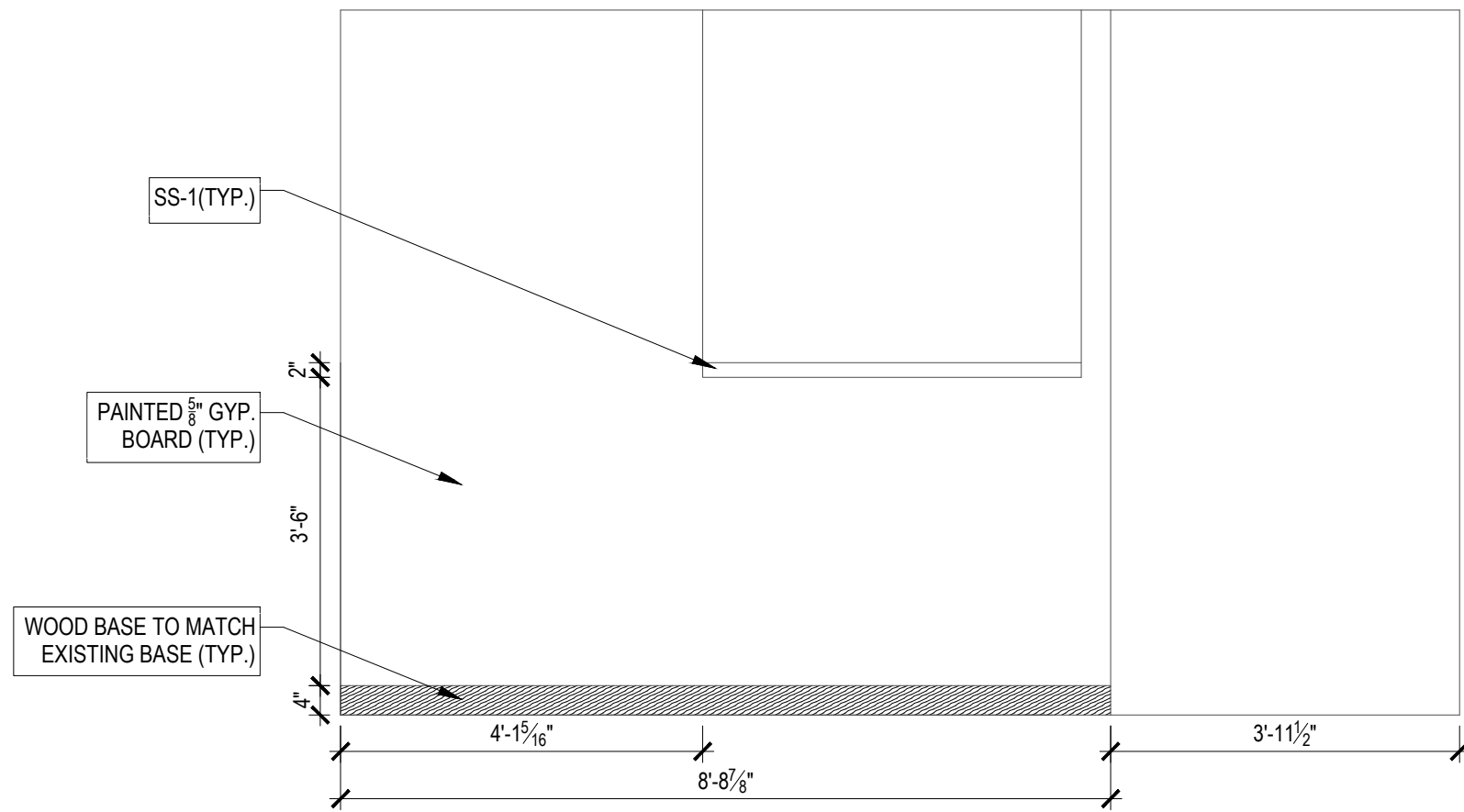
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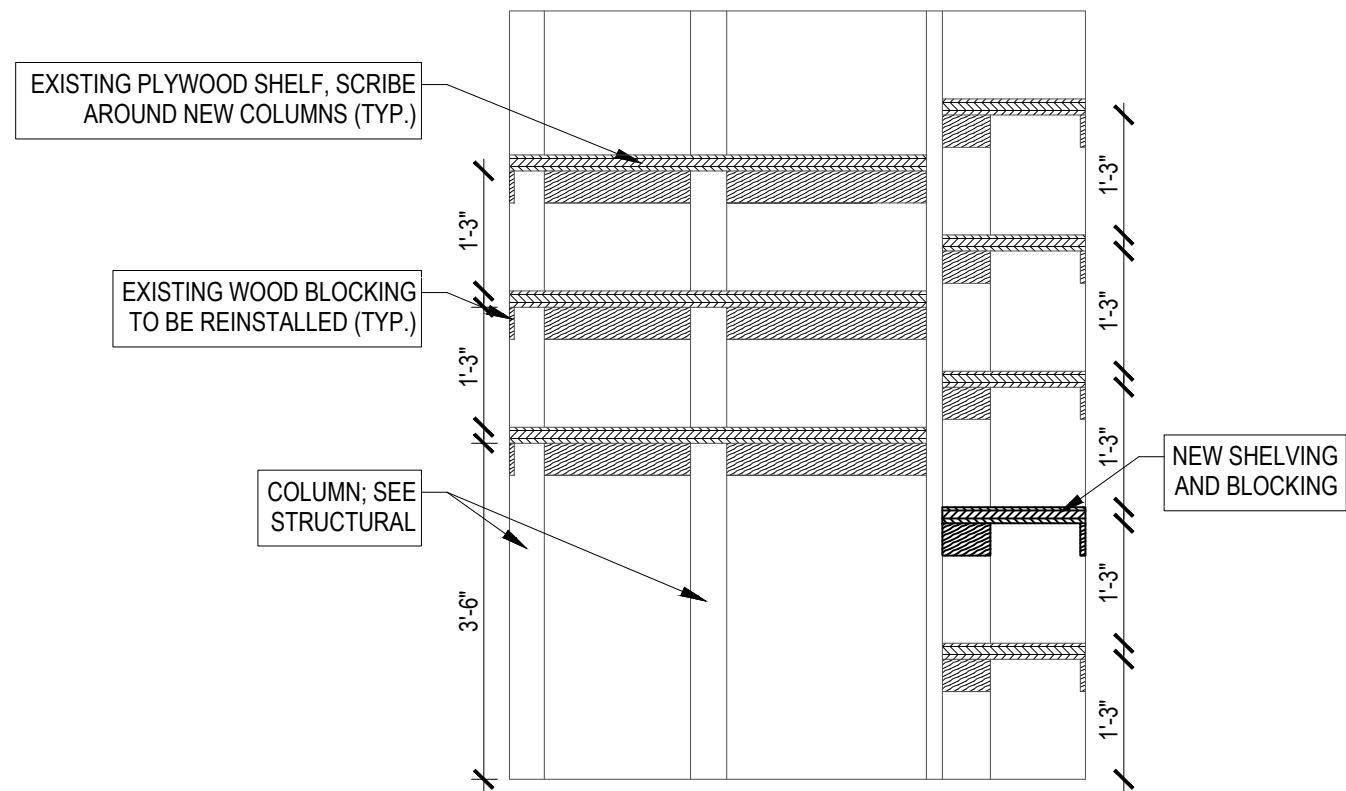
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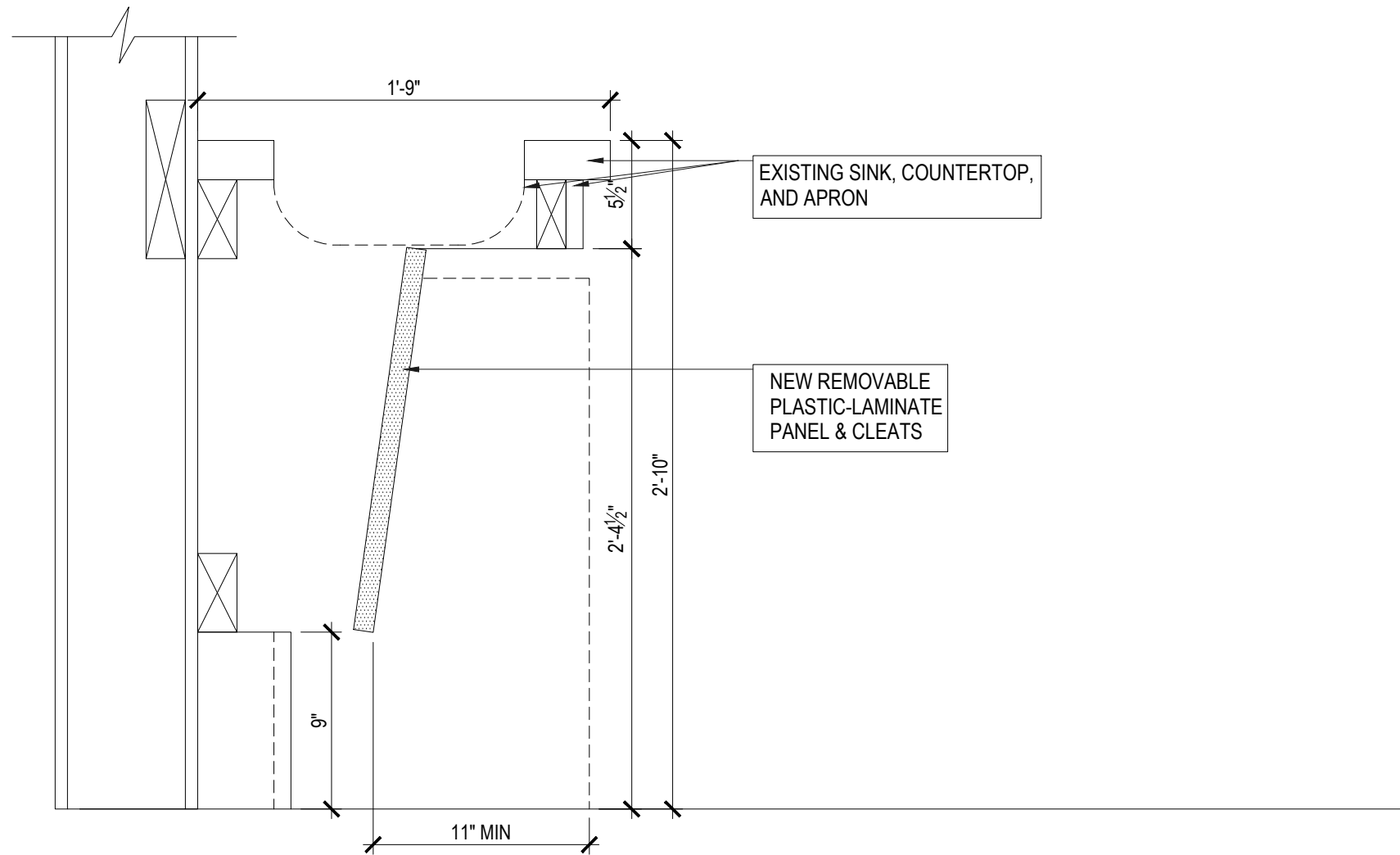
3 PLAN DETAIL



2 INTERIOR ELEVATION



1 INTERIOR ELEVATION



4 SINK BASE - APRON

1 1/2" = 1'-0"

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DETAILS, INTERIOR ELEVATIONS, SCHEDULES, AND WALL TYPES

ELEC. ABBREVIATIONS

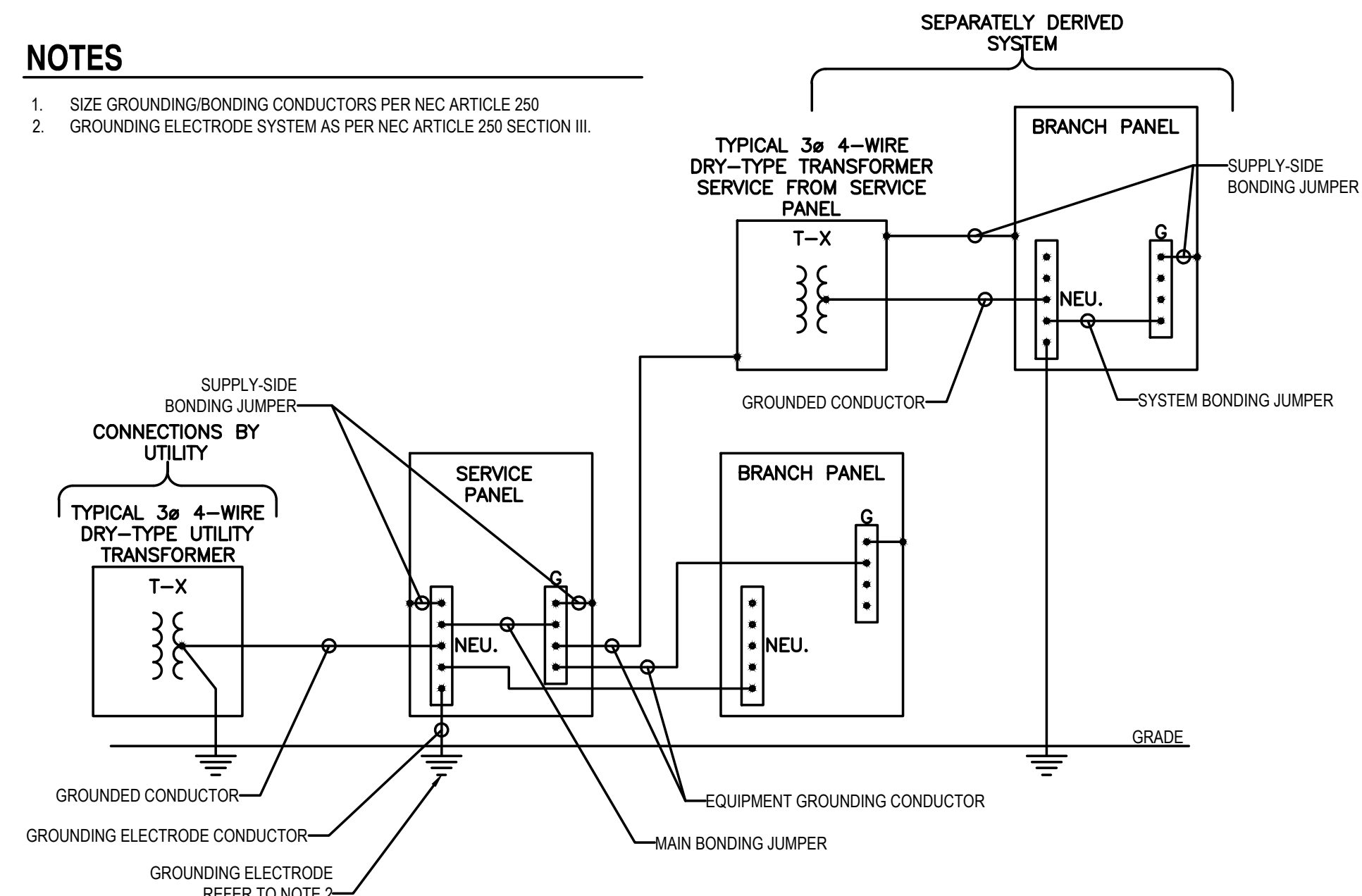
SPECIAL	PHASE
Ø	
A	AMPERE
AFF	ABOVE FINISHED FLOOR
C	CONDUIT
CAT	CATALOGUE
CB	CIRCUIT BREAKER
CMU	CONCRETE MASONRY UNIT
CO.	COMPANY
CUH	CABIN UNIT HEATER
E	
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EWC	ELECTRIC WATER HEATER
F	
FA	FIRE ALARM
G	
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	EQUIPMENT GROUND
H	
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
HVAC	HEATING VENTILATION & AIR CONDITIONING
K	
K	KEY OPERATED DEVICE
KVA	KILOVOLT-AMPERES
KW	KILO-WATTS
L	
LED	LIGHT EMITTING DIODE
M	
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MH	METAL HALIDE
MISC	MISCELLANEOUS
MLO	MAIN LUG ONLY
MTD	MOUNTED
N	
NEU	NEUTRAL
NO	NUMBER
P	
PL	PILOT
R	
RECP	RECEPTACLE
T	
TEL	TELEPHONE
TRANS	TRANSFORMER
TV	TELEVISION
TYP	TYPICAL
U	
UGE	UNDERGROUND ELECTRIC
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
V	
V	VOLT
VA	VOLT-AMPERES
W	
W	WIRE
WNC	WIRELESS NETWORK CONTROLLER
WP	WEATHERPROOF

GENERAL NOTES - ELECTRICAL

1. ALL ELECTRICAL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT NATIONAL ELECTRICAL CODE AND ANY STATE/LOCAL AMENDMENTS.
2. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACQUISITION OF AN ELECTRICAL PERMIT AND SCHEDULING OF THE NECESSARY INSPECTIONS. UPON COMPLETION OF THE WORK THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE OWNER EVIDENCE OF INSPECTION APPROVAL.
3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION REQUIRED WITH THE ELECTRIC UTILITY SERVING THE FACILITY. UTILITY COSTS SHALL BE PAID SEPARATELY BY THE OWNER.

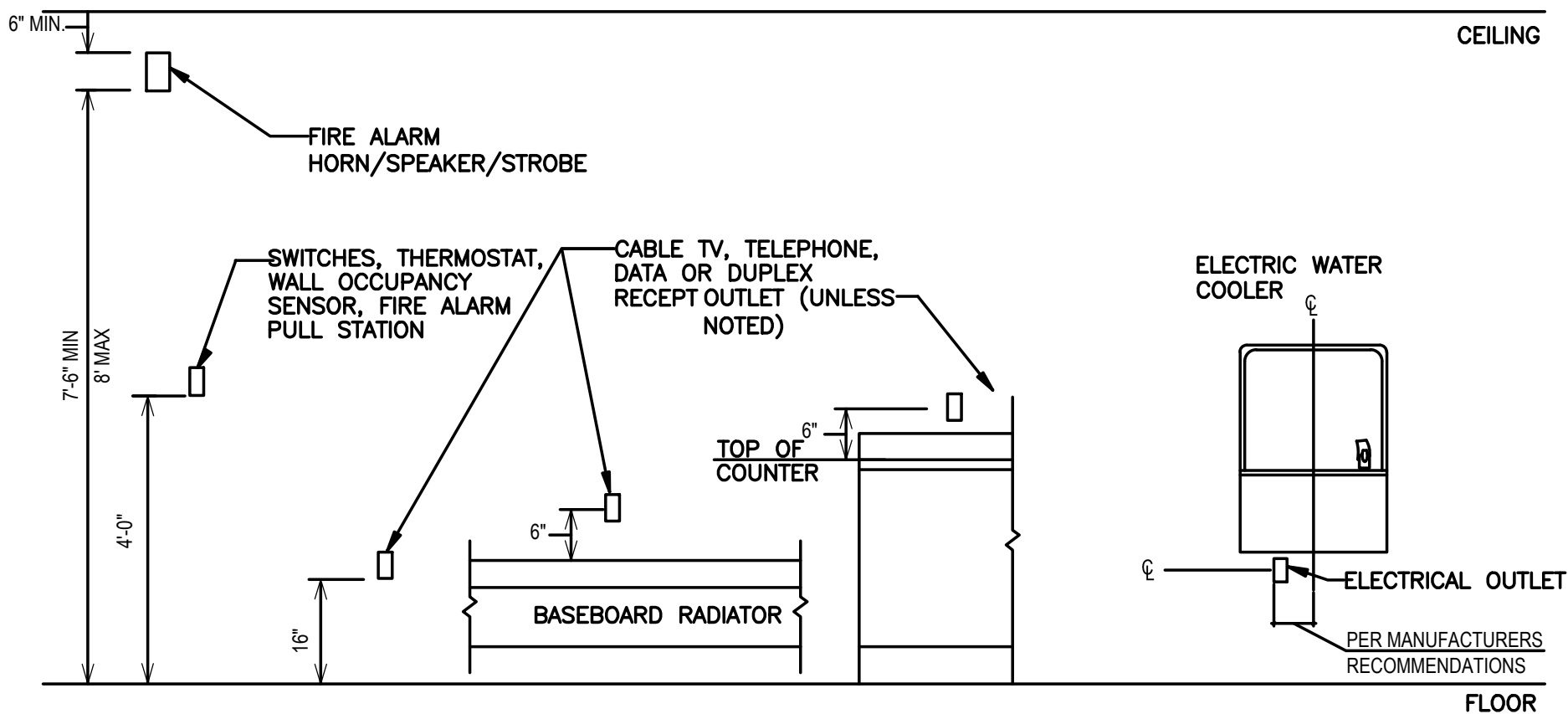
NOTES

1. SIZE GROUNDING/BONDING CONDUCTORS PER NEC ARTICLE 250
2. GROUNDING ELECTRODE SYSTEM AS PER NEC ARTICLE 250 SECTION III.



GROUNDING BONDING DIAGRAM

NO SCALE



TYPICAL MOUNTING HEIGHTS

NO SCALE

ELECTRICAL LEGEND

LIGHT FIXTURES (INT.) (EXT.) (INT.) (EXT.) (LIGHT) (NO LIGHT)	RECEPTACLE OUTLETS SWITCH OUTLETS SWITCHES: X = DESIGNATION BELOW Y = WIRELESS NETWORK CONTROLLER INDICATOR Z = ZONE DESIGNATION 1 SINGLE POLE 2 TWO POLE 3 THREE WAY 4 FOUR WAY DM DIMMER F FAN K KEY OPERATED LV LOW VOLTAGE M MOTION DETECTION P PILOT LIGHT T TIMER SENSORS: X = DESIGNATION BELOW PUSH BUTTON SWITCH SECURITY	FIRE ALARM SYSTEM TELEPHONE/COMMUNICATIONS
POWER DISTRIBUTION	WIRING 1. MINIMUM SIZE OF RIGID CONDUIT SHALL BE 3/4". 2. MINIMUM SIZE OF FLEX CONDUIT SHALL BE 1/2". 3. MINIMUM SIZE WALL BOX IN CMU SHALL BE 4"x4". 4. MINIMUM SIZE OF UNDERGROUND CONDUIT SHALL BE 1 1/4"	RACEWAY NOTES PROPOSED EXISTING DEMOLISH

ELECTRICAL SPECIFICATIONS

A. CODE, PERMITS, AND FEES

1. INSTALLATION SHALL BE IN FULL COMPLIANCE WITH ALL CODES, RULES AND REGULATIONS OF MUNICIPAL, CITY, COUNTY, STATE, AND PUBLIC UTILITIES, AND ALL OTHER AUTHORITIES HAVING JURISDICTION OVER THE PREMISES.
2. COMPLY WITH ANY SPECIFICATION REQUIREMENTS THAT ARE IN EXCESS BUT NOT IN CONFLICT WITH CODE REQUIREMENTS.
3. SECURE AND PAY FOR ALL PERMITS AND CERTIFICATES OF INSPECTIONS INCIDENTAL TO THIS WORK, AS REQUIRED BY ALL FOREGOING AUTHORITIES. BE RESPONSIBLE FOR PAYMENTS TO ALL PUBLIC UTILITIES FOR WORK PERFORMED BY THEM IN CONNECTION WITH PROVISION OF SERVICE CONNECTIONS REQUIRED UNDER THIS DIVISION OF SPECIFICATIONS. TURN OVER CERTIFICATES OF APPROVAL TO THE CONSTRUCTION MANAGER AND/OR OWNER PROMPTLY WHEN RECEIVED, AND BEFORE PAYMENT IS MADE FOR THE WORK. DELIVER ALL CERTIFICATES TO ARCHITECT IN DUPLICATE.
4. PROVISIONS OF THE LATEST REVISIONS TO THE FOLLOWING CODES AND STANDARDS SHALL BE FOLLOWED WHERE APPLICABLE:
 - a. NFPA 70 - NATIONAL ELECTRIC CODE (NEC)
 - b. NFPA 101 - LIFE SAFETY CODE
 - c. TIA/EIA - 568, 569, AND J-STD-607
 - d. AMERICANS WITH DISABILITIES ACT (ADA)
 - e. FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)
 - f. ASHRAE 90.1-2013 - ENERGY STANDARD

B. WIRE AND CABLE FOR POWER SYSTEMS

1. ACCEPTABLE MANUFACTURER'S SHALL BE GENERAL CABLE CORPORATION, OKONITE, OR SOUTHWIRE COMPANY. ALL WIRE AND CABLE SHALL BE BY THE SAME MANUFACTURER.
2. CONDUCTORS SHALL BE SOFT ANNEALED COPPER INSULATED FOR 600 VOLTS UNLESS SPECIFICALLY INDICATED OTHERWISE.
 - a. ALUMINUM CONDUCTORS ARE NOT PERMITTED UNDER ANY CIRCUMSTANCES, UNLESS EXPRESSLY PERMITTED BY OWNER OR ENGINEER IN WRITING.
3. INSULATION TYPE SHALL BE TYPE XHHW FOR WIRE SIZES #8 AWG AND LARGER AND THWN FOR #10AWG AND SMALLER.
4. FLEXIBLE CORD SHALL BE HEAVY DUTY TYPE SO WITH AN EQUIPMENT GROUND CONDUCTOR IN ADDITION TO THE CURRENT CARRYING CONDUCTORS.
5. METAL CLAD (MC) CABLE SHALL BE 600 V COPPER WITH FULL-SIZED INSULATED GROUND CONDUCTOR. MINIMUM SIZE SHALL BE 12-AWG UNLESS SPECIFIED OTHERWISE.
 - a. METAL CLAD (MC) CABLE SHALL BE PERMITTED TO BE RUN IN CONCEALED WALLS AND ACCESSIBLE CEILING SPACES WHERE NOT SUBJECT TO PHYSICAL DAMAGE. MC CABLE SHALL ONLY BE PERMITTED FROM LAST JUNCTION/SPLICE BOX TO LAST OUTLET. LIMIT RUNS OF MC CABLE TO 12 LINEAR FEET OR LESS. MC CABLE MAY BE USED FOR LIGHTING FIXTURE WHIPS NOT TO EXCEED 6 LINEAR FEET. MC CABLE SHALL NOT BE USED FOR HOME RUNS. MC CABLE SHALL NOT BE USED FOR FEEDERS.
6. PROVIDE #12 CONDUCTORS, UNLESS OTHERWISE INDICATED.
7. CONDUCTORS #10 AWG AND LARGER SHALL BE STRANDED.
8. CONDUCTORS #12 AWG AND SMALLER SHALL BE SOLID.
9. COLOR CODE CONDUCTORS (EXCEPT CONTROL AND INSTRUMENTATION CONDUCTORS) AS FOLLOWS: 208/120 VOLT SYSTEM, SYSTEM PHASE A BLACK, PHASE B RED, PHASE C BLUE, NEUTRAL WHITE, GROUND GREEN GREEN.
10. #12 AND #10 CONDUCTORS SHALL HAVE CONTINUOUS INSULATION COLOR, AS LISTED ABOVE.
11. COLOR CODE CONDUCTORS LARGER THAN ABOVE, WHICH DO NOT HAVE CONTINUOUS INSULATION COLOR BY APPLICATION OF AT LEAST TWO LAPS OF COLORED TAPE ON EACH CONDUCTOR AT ALL POINTS OF ACCESS INCLUDING JUNCTION BOXES. COLOR TAPE SHALL BE THE EQUAL OF 3M PRODUCTS SCOTCH #35.
12. INSTALL WIRING IN CONDUIT.
13. CONNECT CONDUCTORS WITH COMPRESSION CONNECTORS OR SPLICES AS MANUFACTURED BY BURNDY, T&B OR AS APPROVED BY ENGINEER OR OWNER.
14. INSULATE SPLICING CONNECTORS TO AT LEAST 200% OF THE WIRE INSULATION. USE PRE-STRETCHED TUBING CONNECTOR INSULATORS, 3M PST FOR #2 AND LARGER CONDUCTORS.
15. MAKE SPLICES IN BRANCH CIRCUIT WIRING WITH UL-LISTED, SOLDERLESS CONNECTORS RATED 600 V, OF SIZES AND TYPES REQUIRED BY MANUFACTURER'S RECOMMENDATIONS WITH TEMPERATURE RATINGS EQUAL TO THOSE OF WIRES. SPLICE CONNECTORS SHALL BE SCREW-ON. INSULATE SPLICES WITH INTEGRAL COVERS OR WITH PLASTIC OR RUBBER FRICTION TAPE TO PRESERVE CHARACTERISTICS OF WIRE AND CABLE INSULATION.

16. MAKE TERMINATIONS AND SPLICES FOR CONDUCTORS 6-AWG AND LARGER WITH CORROSION RESISTANT, HIGH CONDUCTIVITY PRESSURE INDENT, HEX SCREW OR BOLT CLAMP CONNECTORS, WITH OR WITHOUT TONGUES, DESIGNED SPECIFICALLY FOR INTENDED SERVICE. CONNECTORS FOR CABLES 250 KCMIL AND LARGER SHALL HAVE TWO CLAMPING ELEMENTS OR COMPRESSION INDENTS. TERMINALS FOR BUS CONNECTIONS SHALL HAVE TWO BOLT HOLES.
17. AMPACITY OF SPLICES AND CONNECTORS SHALL BE EQUAL TO THOSE OF ASSOCIATED WIRES AND CABLES.
18. PULL CONDUCTORS USING RECOGNIZED METHODS AND EQUIPMENT LEAVING AT LEAST 6" WIRE AT ALL JUNCTION BOXES FOR CONNECTIONS. CLEAN OUT EACH CONDUIT SYSTEM BEFORE PULLING WIRE.
19. PROVIDE POLYETHYLENE ROPES FOR PULLING WIRE.
20. PROVIDE WIRE PULLING LUBRICANTS THAT MEET APPLICABLE UL REQUIREMENTS AS NECESSARY.
21. FORM AND TIE ALL WIRING IN PANELBOARDS.
22. THERE SHALL BE NO WIRENUT JOINTS OR SPLICES MADE INSIDE SWITCHBOARDS/PANELBOARDS.
23. BRANCH CIRCUIT WIRE SIZES (AND CONDUITS) SHALL BE INCREASED FROM THOSE INDICATED ON THE PLANS TO PREVENT EXCESSIVE VOLTAGE DROP. BRANCH CIRCUITS SHALL BE INSTALLED WITH WIRES OF SUFFICIENT SIZE SO THAT VOLTAGE DROP BETWEEN THE PANEL AND THE LOADS DOES NOT EXCEED LIMIT OF 3%.
24. WIRE SIZES SHALL BE BASED ON THE 75 DEGREES C. AMPACITIES FOR WIRE SIZES NO. 14-1 A.W.G., AND #1/0 A.W.G. AND LARGER.
25. CIRCUITS MAY BE MULTI-PLEXED IN CONDUIT PROVIDED WIRE IS PROPERLY DERATED AND CONDUIT SIZED PER CODE. UNDER NO CIRCUMSTANCES SHALL MORE THAN (9) CURRENT CARRYING CONDUCTORS BE RUN IN A SINGLE CONDUIT.

C. GROUNDING

1. GROUND ALL EQUIPMENT PER N.E.C.
2. PROVIDE EQUIPMENT GROUNDING SYSTEM AS SHOWN ON DRAWINGS. EQUIPMENT GROUNDING SYSTEM SHALL BE DESIGNED SO METALLIC STRUCTURES, ENCLOSURES, RACEWAYS, JUNCTION BOXES, OUTLET BOXES, CABINETS, MACHINE FRAMES, PORTABLE EQUIPMENT AND OTHER CONDUCTIVE ITEMS IN CLOSE PROXIMITY WITH ELECTRICAL CIRCUITS OPERATE CONTINUOUSLY AT GROUND POTENTIAL AND PROVIDE LOW IMPEDANCE PATH FOR POSSIBLE GROUND FAULT CURRENTS.
3. PROVIDE SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR FOR EACH BRANCH CIRCUIT. INSTALL GROUNDING CONDUCTOR IN COMMON CONDUIT WITH RELATED PHASE AND/OR NEUTRAL CONDUCTORS. PARALLEL FEEDERS INSTALLED IN MORE THAN ONE RACEWAY SHALL HAVE INDIVIDUAL FULL SIZE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTORS. WHERE CIRCUIT CONDUCTORS ARE INCREASED IN SIZE FOR VOLTAGE DROP, THE EQUIPMENT GROUNDING CONDUCTOR SIZE SHALL BE INCREASED PROPORTIONATELY.
4. WHERE AN ISOLATED, INSULATED GROUND IS REQUIRED A SEPARATE GREEN GROUND SHALL BE RUN FROM THE PANEL GROUND BUS TO THE ISOLATED GROUND CONNECTION OF THE DEVICE SERVED. IN NO CASE SHALL THE SYSTEM GROUND (WIRE AND ASSOCIATED OUTLET BOXES, CONDUIT AND BUILDING STEEL) BE ALLOWED TO CONTACT THE ISOLATED GROUND (GREEN WIRE AND DEVICE GROUND).
5. DETERMINE NUMBERS AND SIZES OF SCREW TERMINALS FOR EQUIPMENT GROUNDING BARS IN PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT. PROVIDE SCREW TERMINALS FOR ACTIVE CIRCUITS, SPARES AND SPACES.

D. RACEWAYS

1. UNDERGROUND CONDUITS USE ONLY RNC NEMA TC 2, TYPE EPC-40-PVC, OR PVC COATED RIGID GALVANIZED STEEL CONDUIT COMPLYING WITH ANSI NEMA RN 1 WITH COATING THICKNESS 0.040-INCH MINIMUM.
2. PROVIDE EMT WHERE CONDUIT IS EXPOSED, DRY AND NOT SUBJECT TO PHYSICAL DAMAGE. COMPLY WITH ANSI C80.3
3. BOXES AND ENCLOSURES SHALL BE NEMA 250 TYPE 1 EXCEPT IN DAMP OR WET LOCATIONS. PROVIDE NEMA 250 TYPE 4X IN DAMP OR WET LOCATIONS.
4. CONDUIT SIZE SHALL BE 3/4" MINIMUM UNLESS OTHERWISE NOTED.
5. CONDUIT SHALL BE SECURELY FASTENED IN PLACE.
6. SUPPORT RUNS OF CONDUIT AS DETAILED IN THE APPROPRIATE TABLE OF THE NATIONAL ELECTRICAL CODE (NEC).

E. ELECTRICAL SYSTEM IDENTIFICATION

1. PROVIDE ADHESIVE FILM LABEL FOR EQUIPMENT IDENTIFICATION. PRINTED IN BLACK BY THERMAL TRANSFER
2. OR EQUIVALENT PROCESS. MINIMUM LETTER HEIGHT SHALL BE 3/8-INCH.
3. EQUIPMENT REQUIRING IDENTIFICATION SHALL BE AS FOLLOWS:
 - a. BRANCH CIRCUIT PANELBOARDS
 - b. SAFETY SWITCHES (FUSED AND NON-FUSED)
 - c. ALL EQUIPMENT, RECEPTACLE COVERS TO BE MARKED WITH PANEL AND CIRCUIT.
3. ALL WIRING SHALL BE IDENTIFIED BY PANELBOARD AND CIRCUIT NUMBER(S) IN ALL CABINETS, JUNCTION
4. BOXES, WIRING TROUGHS, ENCLOSURES, SPLICE OR TERMINATION POINTS, ETC.

F. LUMINAIRES

5. ALL LUMINAIRES, LAMPING (INCLUDING LED MODULES, ETC.), EQUIPMENT, AND COMPONENTS SHALL BE PROVIDED WHERE SHOWN ON DRAWINGS, AS LISTED IN LUMINAIRE SCHEDULE, AND AS SPECIFIED, WIRED AND ASSEMBLED. PROVIDE APPROVED ALIGNING EQUIPMENT, CANOPIES, HANGERS AND OTHER APPURTENANCES AS REQUIRED FOR A COMPLETE SYSTEM PER MANUFACTURER'S INSTRUCTIONS AND N.E.C. REQUIREMENTS.
6. REFER TO LUMINAIRE SCHEDULE FOR THE FOLLOWING REQUIREMENTS:
 - a. LUMINAIRE DESCRIPTION AND DIMENSIONS.
 - b. MANUFACTURER.
 - c. CATALOG SERIES AND/OR MODEL/PART NUMBER.
 - d. LIGHT SOURCE/LAMPING REQUIREMENTS.
 - e. BALLAST/DRIVER REQUIREMENTS.
 - f. VOLTAGE REQUIREMENTS.

3. ALL LUMINAIRES SHALL BEAR THE UL LABEL AND SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
4. METHOD REQUIRED FOR THE CEILING SYSTEM SET FORTH ON THE ARCHITECTURAL DRAWINGS, SUCH AS
5. THE REFLECTED CEILING PLANS, ROOM FINISH SCHEDULES, ETC.
6. COORDINATE INSTALLATION OF ALL LUMINAIRES WITH ALL TRADES PRIOR TO ANY ROUGH-INS.
7. LUMINAIRES WITH LOUVERS, BASKETS, OR LENSES SHALL BE PROVIDED WITH POLYESTER COVERS TO
8. PROTECT LUMINAIRES DURING CONSTRUCTION.
9. DO NOT INSTALL LUMINAIRES UNTIL WORK OF OTHER TRADES THAT MAY DAMAGE LUMINAIRES IS COMPLETED.
10. INVESTIGATE LUMINAIRE LOCATIONS AND SUPPORTS TO ENSURE THAT NO INTERFERENCE EXISTS WITH ANY OTHER EQUIPMENT.
11. SUPPORT SURFACE-MOUNTED LUMINAIRES FROM AT LEAST TWO POINTS TO PREVENT ROTATION.
12. ALL ADJUSTABLE LUMINAIRES SHALL BE AIMED AND ADJUSTED DURING EVENING HOURS TO THE SATISFACTION OF THE OWNER REPRESENTATIVE.

H. LOW VOLTAGE CONDUCTORS FOR COMMUNICATIONS SYSTEMS

1. ACCEPTABLE MANUFACTURERS FOR CONDUCTORS AND CABLES INCLUDE ALCAN PRODUCTS CORPORATIONS, AMERICAN INSULATED WIRE CORP., GENERAL CABLE CORPORATION, SENATOR WIRE & CABLE COMPANY AND SOUTHWIRE COMPANY.
2. ACCEPTABLE MANUFACTURERS FOR CONNECTORS AND SPLICES INCLUDE AFC CABLE SYSTEMS, INC., HUBBELL POWER SYSTEMS, INC., OZ-/GEDNEY; EGS ELECTRICAL GROUP LLC., 3M AND TYCO ELECTRONICS CORP.
3. ALL CONDUCTORS SHALL BE COPPER; STRANDED.
4. CONDUCTORS SHALL COMPLY WITH EQUIPMENT MANUFACTURER REQUIREMENTS.

I. PATHWAYS FOR COMMUNICATION SYSTEMS



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REVISION	DESCRIPTION	DATE
ISSUED FOR: BID SET DOCUMENTS		
09/08/2026		

PROJECT NUMBER	PM
002826080	LC
COBBLESTONE FARM BARN	
2781 PACKARD ROAD, ANN ARBOR, MI 48108	
ELECTRICAL SHEET SPECIFICATIONS	

E-002

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1. MINIMUM PATHWAY SIZE SHALL BE 3/4-INCH TRADE SIZE. MINIMUM SIZE FOR OPTICAL-FIBER CABLES IS 1-INCH. PATHWAY FITTINGS SHALL BE COMPATIBLE WITH PATHWAYS AND SUITABLE FOR USE AND LOCATION.
- a. RIGID STEEL CONDUIT: USE THREADED RIGID STEEL CONDUIT FITTINGS UNLESS OTHERWISE INDICATED. COMPLY WITH NEMA FB 2.10.

b. EMT: USE SETSCREW OR COMPRESSION, STEEL FITTINGS. COMPLY WITH NEMA FB 2.10.
2. INDOOR PATHWAY APPLICATION:
- a. EXPOSED, NOT SUBJECT TO PHYSICAL DAMAGE: EMT IN UNFINISHED SPACES AND METAL SURFACE RACEWAY IN ALL FINISHED SPACES.

b. EXPOSED AND SUBJECT TO SEVERE PHYSICAL DAMAGE: GALVANIZED RIGID STEEL CONDUIT.

c. CONCEALED IN CEILINGS AND INTERIOR WALLS AND PARTITIONS: EMT, J-HOOKS, OR CABLE TRAYS IN AREAS WITH CEILINGS.

d. DAMP OR WET LOCATIONS: PVC COATED RIGID STEEL CONDUIT OR EPC-80-PVC WHERE NOT SUBJECT TO DAMAGE AND AS ALLOWED BY THE ENGINEER.
4. SURFACE PATHWAYS, METAL CONDUITS AND FITTINGS SHALL BE LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION AND COMPLY WITH TIA-569-B.
- a. GRC: COMPLY WITH ANSI C80.1 AND UL 6.

b. EMT: COMPLY WITH ANSI C80.3 AND UL 797.
5. EXPANSION FITTINGS: PVC OR STEEL TO MATCH CONDUIT TYPE, COMPLYING WITH UL-467, RATED FOR ENVIRONMENTAL CONDITIONS WHERE INSTALLED, AND INCLUDING FLEXIBLE EXTERNAL BONDING JUMPER.
6. RACEWAYS REQUIRING BOTH DATA AND 120V POWER SHALL INCLUDE DIVIDERS.
7. SURFACE METAL PATHWAYS SHALL BE GALVANIZED STEEL WITH SNAP-ON COVERS COMPLYING WITH UL 5. MANUFACTURERS STANDARD ENAMEL FINISH.
8. BOXES, ENCLOSURES AND CABINETS SHALL COMPLY WITH TIA-569-B. BOXES, ENCLOSURES AND CABINETS INSTALLED IN WET LOCATIONS SHALL BE LISTED FOR USE IN WET LOCATIONS.
- c. SHEET-METAL OUTLET AND DEVICE BOXES SHALL BE NEMA 1 FOR INDOOR AND DRY CONDITIONS AND NEMA 4 OR 12 FOR OUTDOOR OR WET LOCATIONS

d. BOX EXTENSIONS USED TO ACCOMMODATE NEW BUILDING FINISHES SHALL BE OF SAME MATERIAL AS RECESSED BOX.
9. ADDITIONAL INSTALLATION REQUIREMENTS:
- i. KEEP PATHWAYS AT LEAST 6 INCHES AWAY FROM PARALLEL RUNS OF FLUES AND STEAM OR HOT-WATER PIPES. INSTALL HORIZONTAL PATHWAY RUNS ABOVE WATER AND STEAM PIPING.

j. ARRANGE STUB-UPS SO CURVED PORTIONS OF BENDS ARE NOT VISIBLE ABOVE FINISHED SLAB.

k. INSTALL NO MORE THAN THE EQUIVALENT OF TWO 90-DEGREE BENDS IN ANY PATHWAY RUN. SUPPORT WITHIN 12 INCHES OF CHANGES IN DIRECTION. UTILIZE LONG RADIUS ELLS FOR ALL OPTICAL-FIBER CABLES.

l. CONCEAL CONDUIT AND EMT WITHIN FINISHED WALLS, CEILINGS, AND FLOORS UNLESS OTHERWISE INDICATED. INSTALL CONDUITS PARALLEL OR PERPENDICULAR TO BUILDING LINES.

m. COAT FIELD-CUT THREADS ON PVC-COATED PATHWAY WITH A CORROSION-PREVENTING CONDUCTIVE COMPOUND PRIOR TO ASSEMBLY.

n. TERMINATE THREADED CONDUITS INTO THREADED HUBS OR WITH LOCKNUTS ON INSIDE AND OUTSIDE OF BOXES OR CABINETS. INSTALL INSULATED BUSHINGS ON CONDUITS TERMINATED WITH LOCKNUTS.

o. INSTALL PATHWAYS SQUARE TO THE ENCLOSURE AND TERMINATE AT ENCLOSURES WITH LOCKNUTS. INSTALL LOCKNUTS HAND TIGHT PLUS 1/4 TURN MORE.

p. DO NOT RELY ON LOCKNUTS TO PENETRATE NONCONDUCTIVE COATINGS ON ENCLOSURES. REMOVE COATINGS IN THE LOCKNUT AREA PRIOR TO ASSEMBLING CONDUIT TO ENCLOSURE TO ASSURE A CONTINUOUS GROUND PATH.

q. SPARE PATHWAYS: INSTALL PULL WIRES IN EMPTY PATHWAYS. CAP UNDERGROUND PATHWAYS DESIGNATED AS SPARE ABOVE GRADE ALONGSIDE PATHWAYS IN USE.

r. INSTALL SURFACE PATHWAY FOR SURFACE TELECOMMUNICATIONS OUTLET BOXES ONLY AS NECESSARY TO PREVENT WALL DEMOLITION.

s. INSTALL PATHWAY SEALING FITTINGS AT ACCESSIBLE LOCATIONS ACCORDING TO NFPA 70 AND FILL THEM WITH LISTED SEALING COMPOUND.

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ARCHITECTS ENGINEERS PLANNERS

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08/08/2026

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REVISION

DESCRIPTION

PROJECT NUMBER

002626000

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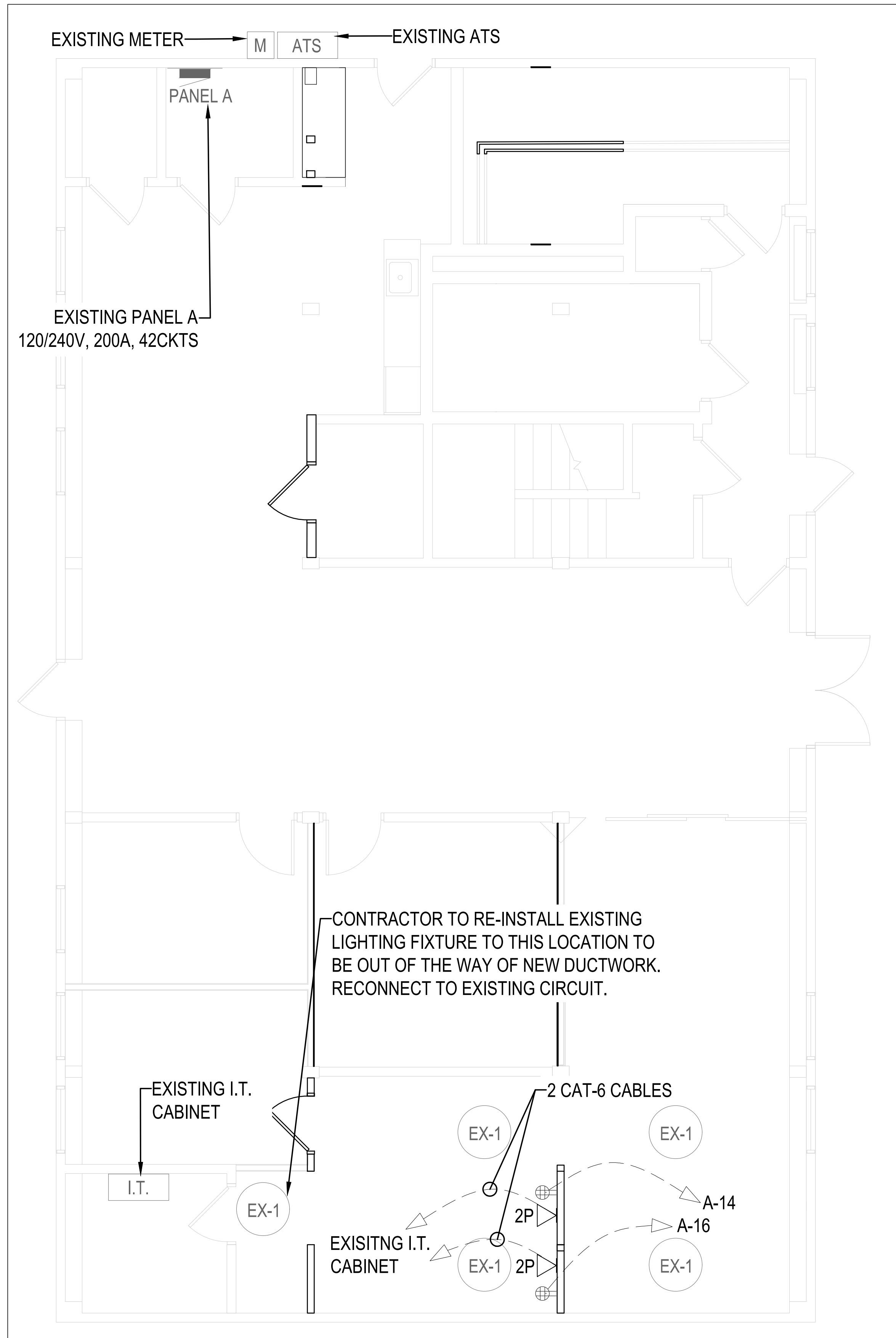
COBBLESTONE FARM BARN

2781 PACKARD ROAD, ANN ARBOR, MI 48108

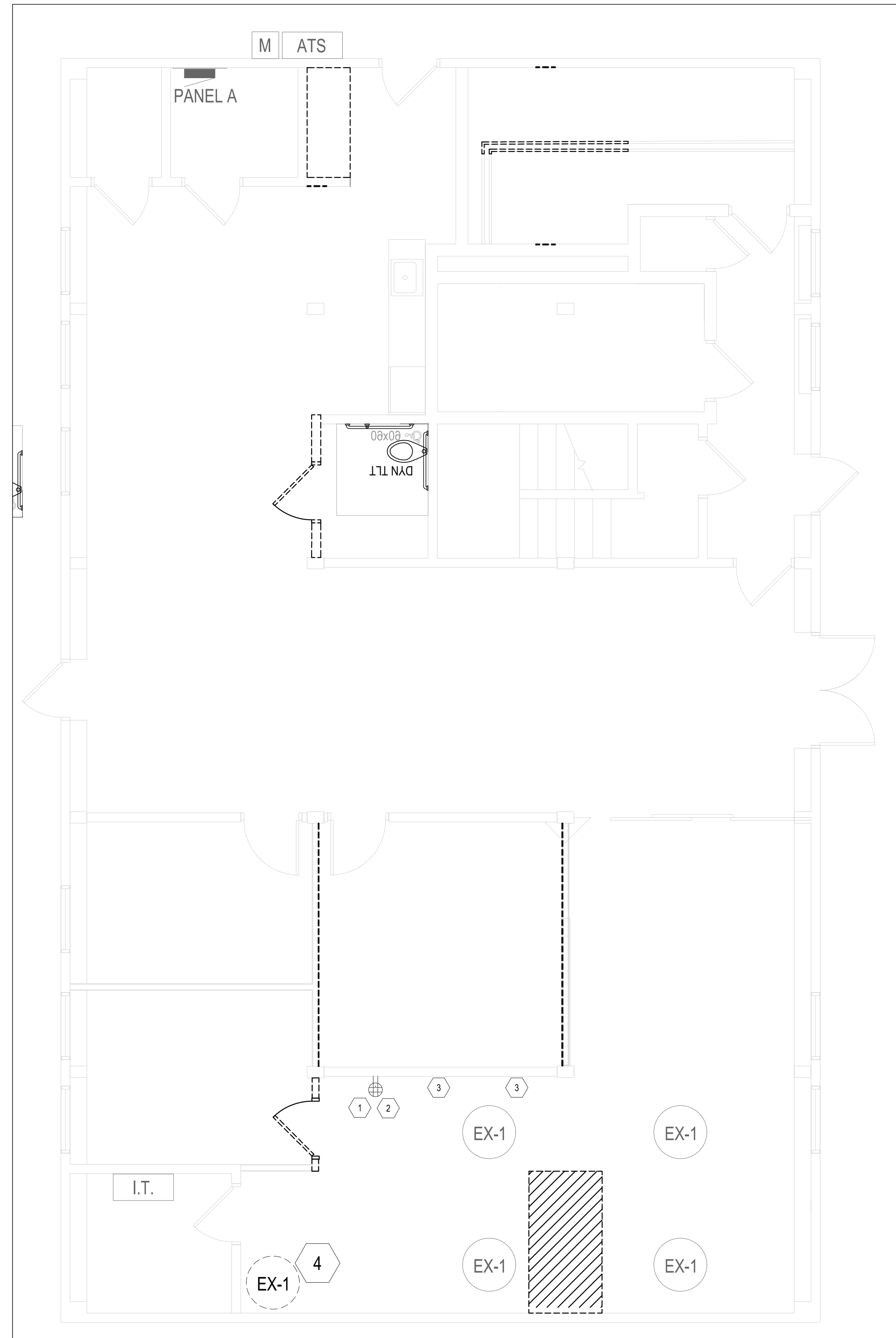
ELECTRICAL SHEET SPECIFICATIONS

E-003

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1 FIRST FLOOR PROPOSED ELECTRICAL PLAN
1/4" = 1'-0"



2 FIRST FLOOR ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. DRAWINGS SHOW MAJOR DEMOLITION ONLY: THE CONTRACTOR SHALL PROVIDE ALL DEMOLITION FOR THE COMPLETION OF THE WORK WHETHER EXPLICITLY SHOWN OR NOT.
2. THE OWNER RESERVES THE RIGHT TO KEEP ANY REMOVED EQUIPMENT OR MATERIALS. ALL DEMOLITION DEBRIS TO BE REMOVED FROM THE SITE AND DISPOSED OF IN AN APPROVED MANNER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TEMPORARY EXTERIOR OPENINGS MADE FROM DEMOLITION WORK TO ENSURE THEY ARE WEATHER TIGHT AT THE END OF EACH DAY.
4. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING WHERE CONDUITS AND JUNCTION BOXES ARE REMOVED UNLESS OTHERWISE NOTED.
5. ANY JUNCTION BOXES REMAINING IN PLACE THAT HAVE HAD LINES REMOVED TO BE COVERED WITH BLANK COVER PLATES MATCHING PROJECT REQUIREMENTS.
6. CONDUITS AND CONDUCTORS ABANDONED AS PART OF THE WORK SHALL BE DEMOLISHED WHERE NOT BURIED IN WALLS OR UNDERGROUND. CAP OR PLUG ANY ABANDONED CONDUITS THAT REMAIN.
7. WHERE DEVICES ARE REMOVED FROM THE MIDDLE OF A CIRCUIT, THE CONTRACTOR SHALL BE RESPONSIBLE TO RE-ROUTE THE CIRCUIT TO MAINTAIN CIRCUIT INTEGRITY TO REMAINING DEVICES.
8. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND IN EXISTING CONDITIONS.
9. CONTRACTOR TO COORDINATE WITH THE OWNER OR ENGINEER A MINIMUM OF 24 HOURS IN ADVANCE OF SHUTTING OFF OR DISCONNECTING ANY UTILITIES.
10. CONTRACTOR TO ENSURE ALL EXISTING SYSTEMS TO REMAIN ARE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT UNLESS OTHERWISE DIRECTED BY THE ENGINEERING FIRM.
11. CONTRACTOR TO TAKE ALL PRECAUTIONS NECESSARY TO PROTECT ITEMS NOT INTENDING TO BE DEMOLISHED AND TO RESTORE TO EXISTING CONDITIONS ANY ITEMS DAMAGED THAT WERE NOT INTENDED TO BE DEMOLISHED.

ELECTRICAL DEMOLITION KEYNOTES

- # DENOTES PLAN KEY NOTE
ITEM USING NUMBERS BELOW.
1. DEMO AND REMOVE EXISTING QUAD
RECEPTACLE. REMOVE CONDUCTORS BACK
TO SOURCE.
 2. DEMO AND REMOVE EXISTING CAT-6 DATA
LINE. REMOVE BACK TO SOURCE.
 3. REMOVE AND SALVAGE EXISTING LIGHTING
FIXTURE FOR RELOCATION.



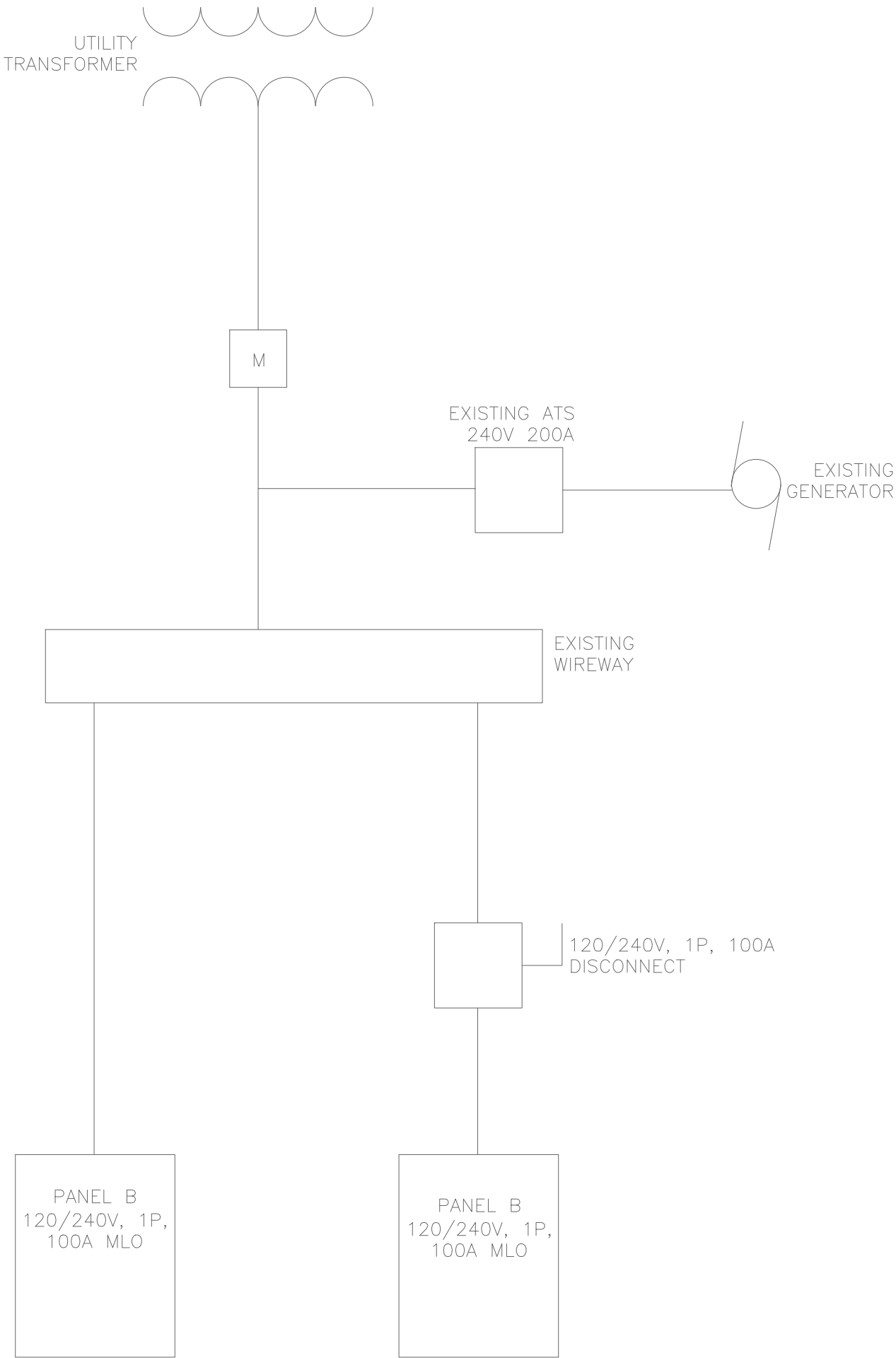
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REVISION	DESCRIPTION	DATE

COBBLESTONE FARM BARN
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DEMOLITION & PROPOSED FIRST FLOOR ELECTRICAL PLANS

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EXISTING PANEL A				DESCRIPTION:EXISTING PANEL SURFACE MOUNT, 240/120V, 3ø, 4W, 200A, MCB, 42 CIRCUIT, 22k SSCR, LOCATED IN XX											
IDENTIFICATION	KVA LOAD			WIRE	POLE	AMP	CIRCUIT	CIRCUIT	AMP	POLE	WIRE	KVA LOAD			IDENTIFICATION
	A	B	C									C	B	A	
SPARE	-			12	1	20	1	2	20	1	12	-			SPARE
		-					3	4					-		
			-				5	6						-	
	-						7	8				-			
		-					9	10					-		
			-				11	12						-	
	-						13	14	20	1	12	-			QUAD RECEPTACLE
		-					15	16	20	1	12		-		QUAD RECEPTACLE
			-				17	18						-	
	-						19	20				-			
		-					21	22					-		
			-				23	24						-	
	-						25	26				-			
		-					27	28					-		
			-				29	30						-	
	-						31	32				-			
		-					33	34					-		
			-				35	36						-	
	-						37	38				-			
		-					39	40					-		
			-				41	42						-	
CONNECTED LOAD															CONNECTED LOAD



ARCHITECTS ENGINEERS PLANNERS

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COBLESTONE FARM BARN

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ELECTRICAL DETAILS AND SCHEDULES

E-501

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